



Job Order Contract Construction Task Catalog®

CSI Divisions 01-40 2025

Natividad Medical Center



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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Natividad Medical Center**, priced locally using current labor, material and equipment costs, and published in May 2025.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Natividad Medical Center**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.



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The Unit Prices Include:

LABOR COSTS:

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

EQUIPMENT COSTS:

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

MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

BUSINESS COSTS:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.
- ☑ Insurance and bonding.
- ☑ Profit.

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- ☑ Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- ☑ Subcontractor's overhead and profit.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

PROJECT RELATED COSTS:

- ☑ Project trailer, equipment and supplies, portable toilets, and hand wash stations for Contractor's use.
- ☑ Project management and project supervision.
- ☑ Services required to complete project filings and obtain permits.
- ☑ Preparation and modification of sketches, drawings, submittals, as-built drawings, project photographs and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner's security requirements.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☑ Sealing windows, doors and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.

- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.

PRICE VARIATIONS:

- ☑ Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.
- ☑ Contractors may experience differences in decimal rounding on unit prices that may vary from unit prices set forth in the CTC.

SUMMARY:

- ☑ This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- ☑ The only compensation to be paid to the Contractor for Tasks will be:

Unit Price	X	Quantity	X	Adjustment Factor
------------	---	----------	---	-------------------

- ☑ No additional payments of any kind whatsoever will be made.
- ☑ All costs in excess of the unit prices, must be included in the Adjustment Factors.

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- ☑ All labor, material, equipment, spare parts, and documents required by a Technical Specification

shall be considered included in the unit price, unless the Task description states otherwise.

- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

DEMOLITION:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

WORKING HEIGHT:

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

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FIELD ENGINEERING:

- ☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

ASSEMBLIES:

- ☑ Assembly Tasks take precedence over individual component Tasks.

RESTRICTED AND CONFINED SPACES:

- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.
- ☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and

services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

Or Equals:

- ☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** – Bank (In-place) Cubic Yards, **BF** – Board Foot, **BOX** – Box (each), **BTU** – British Thermal Unit, **C** – One Hundred, **CCF** – One Hundred Cubic Feet, **CCY** – Compacted Cubic Yards, **CF** – Cubic Foot, **CFM** – Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** – One Hundred Linear Feet, **CSF** – One Hundred Square Feet, **CSY** – Hundred Square Yards, **CWT** – Hundred Weight, **CY** – Cubic Yard, **CYM** – Cubic Yard Mile, **DAY** – Day, **DRM** – Drum (each), **EA** – Each, **FLR** – Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** – Ground Square Foot or Gross Square Foot, **HR** – Hour, **HWT** – Hundred Carton Weight, **HDAY** – Half Day, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** – Loose

(Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** - Liter, **LOT** - Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** - One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** - One Thousand Gallons, **MI** - Mile, **MLF** - One Thousand Linear Feet, **MO** - Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** - Metric Ton, **MTK** - Metric Ton Kilometer, **M2** - Square Meter, **M3K** - Cubic Meter Kilometer, **NTE** - Note, **OPN** - Opening, **OUT** - Outlet or Output (each), **OZ** - Ounce, **PKG** - Package, **PNT** - Point, **PR** - Pair, **QT** - Quart, **ROL** - Roll (each), **ROM** - Room, **ROW** - Row, **RSR** - Riser (Per Rise), **SEA** - Seat, **SET** - Set, **SF** - Square Foot, **SHT** - Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** - Inches per Square Yard, **TNM** - Tons per Mile, **TON** - Ton, **TRK** - Truck Load, **UI** - United Inch, **UNT** - Unit, **VLF** - Vertical Linear Foot, **WK** - Week, **YD** - Yard, **YR** - Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170

Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

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1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

TRADEMARKS

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

STANDARD GEOMETRY:

Circle

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

Cylinder

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

Sphere

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

$\pi = 3.14159$

United Inch

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
------------------------------	---------------------------	-------------------------

01 General Requirements

01 10 Summary ⁽⁰¹⁾

01 11 Summary Of Work ^(01 10)

01 11 13 Work Covered by Contract Documents ^(01 11)

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001	NTE Work Covered by Contract Documents	0.00
------------------	--	------

Note: For specification publishing. Review specifications for requirements.

01 20 Price and Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

01 22 16 Unit Price Payment ^(01 22)

01 22 16 00-0001 Reimbursable Fees ^(01 22 16)

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc., which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002	EA Reimbursable Fees	1.00
------------------	----------------------	------

Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.

01 22 16 00-0003 Negotiated Travel Costs ^(01 22 16)

Note: To be used only at the request of authorized personnel for non-commuting travel costs.

01 22 16 00-0004	EA Negotiated Travel Costs	1.00
------------------	----------------------------	------

Note: Supporting documentation must be included with each Work Order.

01 22 20 Wage Rates ^(01 22)

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

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental. Supervising foreman use the craft performing the operation with the supervising foreman modifier.

01 22 20 00-0002	HR Asbestos Removal Worker	96.21
------------------	----------------------------	-------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Supervising Foreman, Add 4.81

For Apprentice, Deduct -19.24

01 22 20 00-0003	HR Insulator	124.88
------------------	--------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Supervising Foreman, Add 6.24

For Apprentice, Deduct -24.98

01 22 20 00-0004	HR Boilermaker	128.50
------------------	----------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Supervising Foreman, Add 6.43

For Apprentice, Deduct -25.70

01 22 20 00-0005	HR Brick Layer	113.33
------------------	----------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Supervising Foreman, Add 5.67

For Apprentice, Deduct -22.67

01 22 20 00-0006	HR Carpenter	134.38
------------------	--------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Supervising Foreman, Add 6.72

For Apprentice, Deduct -26.88

01 22 20 00-0007	HR Carpet, Linoleum	133.56
------------------	---------------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Supervising Foreman, Add 6.68

For Apprentice, Deduct -26.71

01 22 20 00-0008	HR Cement Mason	100.88
------------------	-----------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Supervising Foreman, Add 5.04

For Apprentice, Deduct -20.18

01 22 20 00-0009	HR Drywall Finisher	127.78
------------------	---------------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Supervising Foreman, Add 6.39

For Apprentice, Deduct -25.56

01 22 20 00-0010	HR Electrician, (Inside Wireman)	128.89
------------------	----------------------------------	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Supervising Foreman, Add 6.44

For Apprentice, Deduct -25.78

01 22 20 00-0011	HR Equipment Operator, Crane (Group 1-A)	135.25
------------------	--	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

01 22 20 00-0012	HR Equipment Operator, Crane (Group 2-A)	132.68
------------------	--	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Supervising Foreman, Add 6.63

01 22 20 00-0013	HR Equipment Operator, Crane (Group 3-A)	130.15
------------------	--	--------

Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0014	HR		Equipment Operator, Medium (Group 3).....	129.58	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	6.48	
			For Apprentice, Deduct	-25.92	
01 22 20 00-0015	HR		Equipment Operator, Medium (Group 4).....	127.56	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0016	HR		Equipment Operator, Medium (Group 5).....	125.71	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0017	HR		Equipment Operator, Light (Group 6).....	123.79	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	6.19	
			For Apprentice, Deduct	-24.76	
01 22 20 00-0018	HR		Equipment Operator, Light (Group 7).....	122.13	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0019	HR		Equipment Operator, Light (Group 8).....	120.46	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0020	HR		Glazier.....	124.73	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	6.24	
			For Apprentice, Deduct	-24.95	
01 22 20 00-0021	HR		Laborer.....	91.77	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0022	HR		Lather.....	126.05	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	6.30	
			For Apprentice, Deduct	-25.21	
01 22 20 00-0023	HR		Marble Setter.....	127.68	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	6.38	
			For Apprentice, Deduct	-25.54	
01 22 20 00-0024	HR		Millwright.....	130.78	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	6.54	
			For Apprentice, Deduct	-26.16	
01 22 20 00-0025	HR		Mold Removal Worker.....	95.85	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	4.79	
			For Apprentice, Deduct	-19.17	
01 22 20 00-0026	HR		Painter.....	109.82	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.49	
			For Apprentice, Deduct	-21.96	
01 22 20 00-0027	HR		Painter, Structural Steel.....	114.13	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.71	
			For Apprentice, Deduct	-22.83	
01 22 20 00-0028	HR		Paperhanger.....	109.82	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.49	
			For Apprentice, Deduct	-21.96	
01 22 20 00-0029	HR		Pile Drivers.....	144.31	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	7.22	
			For Apprentice, Deduct	-28.86	
01 22 20 00-0030	HR		Plasterer.....	121.15	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	6.06	
			For Apprentice, Deduct	-24.23	
01 22 20 00-0031	HR		Plumber.....	128.33	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	6.42	
			For Apprentice, Deduct	-25.67	
01 22 20 00-0032	HR		Powderman.....	96.23	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	4.81	
			For Apprentice, Deduct	-19.25	
01 22 20 00-0033	HR		Rodman (Reinforcing)/Ornamental Steel Worker.....	109.97	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	5.50	
			For Apprentice, Deduct	-21.99	
01 22 20 00-0034	HR		Roofer, Composite.....	141.46	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	7.07	
			For Apprentice, Deduct	-28.29	
01 22 20 00-0035	HR		Roofer, Metal.....	150.23	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	7.51	
			For Apprentice, Deduct	-30.05	
01 22 20 00-0036	HR		Roofer, Tile/Slate.....	137.28	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	6.86	
			For Apprentice, Deduct	-27.46	
01 22 20 00-0037	HR		Sheet Metal Worker.....	137.58	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	6.88	
			For Apprentice, Deduct	-27.52	
01 22 20 00-0038	HR		Sprinkler Installer.....	95.34	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Supervising Foreman, Add	4.77	
			For Apprentice, Deduct	-19.07	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0039	HR	Steam / Pipe Fitter..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. For Supervising Foreman, Add For Apprentice, Deduct	128.33 6.42 -25.67	
01 22 20 00-0040	HR	Stone Mason..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. For Supervising Foreman, Add For Apprentice, Deduct	113.33 5.67 -22.67	
01 22 20 00-0041	HR	Iron Worker (Structural)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. For Supervising Foreman, Add For Apprentice, Deduct	113.33 5.67 -22.67	
01 22 20 00-0042	HR	Tile Layer..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. For Supervising Foreman, Add For Apprentice, Deduct	108.45 5.42 -21.69	
01 22 20 00-0043	HR	Terrazzo Worker..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. For Supervising Foreman, Add For Apprentice, Deduct	120.03 6.00 -24.01	
01 22 20 00-0044	HR	Truck Driver, Light (Group 1)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. For Supervising Foreman, Add For Apprentice, Deduct	99.04 4.95 -19.81	
01 22 20 00-0045	HR	Truck Driver, Medium (Group 2)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	99.49	
01 22 20 00-0046	HR	Truck Driver, Heavy (Group 3)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. For Supervising Foreman, Add For Apprentice, Deduct	99.93 5.00 -19.99	
01 22 20 00-0047	HR	Truck Driver, Heavy (Group 4)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	100.46	
01 22 20 00-0048		Rates For Services (01 22 20)		
01 22 20 00-0049	HR	Watch/Guard Person, Unarmed.....	32.36	
01 22 20 00-0050	HR	Watch/Guard Person, Armed.....	45.82	
01 22 20 00-0051	HR	Senior Surveyor (Party Chief).....	135.19	
01 22 20 00-0052	HR	Surveyor (Instrument person).....	121.97	
01 22 20 00-0053	HR	Surveyor (Rod Person).....	119.83	
01 22 20 00-0054	HR	On-Site Certified Materials Testing Technician.....	97.28	
01 22 20 00-0055	HR	Certified Industrial Hygienist.....	131.08	
01 22 20 00-0056	MI	Mileage For Professional Services (Engineering, Surveying, Etcetera)..... Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.	0.67	
01 22 20 00-0057	HR	Fire Watch Laborer..... Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.	91.77	
01 22 20 00-0058		Rates For Project Management Services (01 22 20) Note: Includes subcontracted rates with burden and mark-up		
01 22 20 00-0059	HR	Senior Project Manager.....	195.84	
01 22 20 00-0060	HR	Project Manager.....	160.00	
01 22 20 00-0061	HR	Project Superintendent.....	129.54	
01 22 20 00-0062		Rates For Architectural And Engineering Services (01 22 20) Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services. Includes subcontracted rates with burden and mark-up		
01 22 20 00-0063	HR	Principal Architect.....	243.20	
01 22 20 00-0064	HR	Senior Architect.....	179.20	
01 22 20 00-0065	HR	Architect.....	140.80	
01 22 20 00-0066	HR	Principal Engineer.....	209.92	
01 22 20 00-0067	HR	Senior Engineer.....	174.08	
01 22 20 00-0068	HR	Engineer.....	136.96	
01 22 20 00-0069	HR	Draft Person.....	71.68	
01 22 20 00-0070	HR	Administration.....	89.60	
01 22 20 00-0071		Rates For Traffic Control (01 22 20)		
01 22 20 00-0072	HR	Flagperson For Traffic Control.....	91.77	
01 22 20 00-0073		Mobilize Equipment (01 22 20)		
01 22 20 00-0074	HR	Escort Vehicle With Driver.....	103.50	
01 22 20 00-0075	HR	Transport Vehicle With Driver.....	139.96	
01 22 23		Equipment Usage (01 22) Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0071 for traffic control (where required), 01 71 13 00-0000		

01	General Requirements
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MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001	Aerial Equipment (01 22 23)		
01 22 23 00-0002	Man Lifts (01 22 23 00-0001)		
	Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003	Telescoping Boom Man Lifts With Platform (01 22 23 00-0002)		
01 22 23 00-0004	Engine Powered, Telescoping Boom Man Lifts With Platform (01 22 23 00-0003)		
	Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005	DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform	463.48	
	For Four-Wheel Drive, Add	104.28	
	For Half Day Usage, Deduct	-144.84	
01 22 23 00-0006	WK 40' Engine Powered, Telescoping Boom Man Lift With Platform	1,166.18	
	For Four-Wheel Drive, Add	262.39	
01 22 23 00-0007	MO 40' Engine Powered, Telescoping Boom Man Lift With Platform	2,616.42	
	For Four-Wheel Drive, Add	588.69	
01 22 23 00-0008	DAY 60' Engine Powered, Telescoping Boom Man Lift With Platform	680.27	
	For Four-Wheel Drive, Add	153.06	
	For Half Day Usage, Deduct	-212.58	
01 22 23 00-0009	WK 60' Engine Powered, Telescoping Boom Man Lift With Platform	1,622.18	
	For Four-Wheel Drive, Add	364.99	
01 22 23 00-0010	MO 60' Engine Powered, Telescoping Boom Man Lift With Platform	3,550.86	
	For Four-Wheel Drive, Add	798.94	
01 22 23 00-0011	DAY 80' Engine Powered, Telescoping Boom Man Lift With Platform	1,323.16	
	For Four-Wheel Drive, Add	297.71	
	For Half Day Usage, Deduct	-413.49	
01 22 23 00-0012	WK 80' Engine Powered, Telescoping Boom Man Lift With Platform	3,206.99	
	For Four-Wheel Drive, Add	721.57	
01 22 23 00-0013	MO 80' Engine Powered, Telescoping Boom Man Lift With Platform	6,727.95	
	For Four-Wheel Drive, Add	1,513.79	
01 22 23 00-0014	DAY 110' Engine Powered, Telescoping Boom Man Lift With Platform	1,883.83	
	For Four-Wheel Drive, Add	423.86	
	For Half Day Usage, Deduct	-588.70	
01 22 23 00-0015	WK 110' Engine Powered, Telescoping Boom Man Lift With Platform	4,536.13	
	For Four-Wheel Drive, Add	1,020.63	
01 22 23 00-0016	MO 110' Engine Powered, Telescoping Boom Man Lift With Platform	11,302.96	
	For Four-Wheel Drive, Add	2,543.17	
01 22 23 00-0017	DAY 120' Engine Powered, Telescoping Boom Man Lift With Platform	2,294.98	
	For Four-Wheel Drive, Add	516.37	
	For Half Day Usage, Deduct	-717.18	
01 22 23 00-0018	WK 120' Engine Powered, Telescoping Boom Man Lift With Platform	5,853.32	
	For Four-Wheel Drive, Add	1,317.00	
01 22 23 00-0019	MO 120' Engine Powered, Telescoping Boom Man Lift With Platform	13,306.39	
	For Four-Wheel Drive, Add	2,993.94	
01 22 23 00-0020	Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0002)		
01 22 23 00-0021	Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)		
	Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022	DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	414.48	
	For Half Day Usage, Deduct	-129.53	
01 22 23 00-0023	WK 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,039.97	
01 22 23 00-0024	MO 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,501.95	
01 22 23 00-0025	DAY 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	527.52	
	For Half Day Usage, Deduct	-164.85	
01 22 23 00-0026	WK 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,153.01	
01 22 23 00-0027	MO 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,862.17	
01 22 23 00-0028	DAY 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	678.24	
	For Half Day Usage, Deduct	-211.95	
01 22 23 00-0029	WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,567.49	
01 22 23 00-0030	MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,504.24	
01 22 23 00-0031	DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,183.15	
	For Half Day Usage, Deduct	-369.73	
01 22 23 00-0032	WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,788.32	
01 22 23 00-0033	MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	6,780.89	
01 22 23 00-0034	DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,298.48	
	For Half Day Usage, Deduct	-718.28	
01 22 23 00-0035	WK 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,425.92	
01 22 23 00-0036	MO 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	13,263.36	
01 22 23 00-0037	Electric, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)		
	Note: For use on paved surfaces.		
01 22 23 00-0038	DAY 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	414.48	
	For Half Day Usage, Deduct	-129.53	
01 22 23 00-0039	WK 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,039.97	
01 22 23 00-0040	MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,501.95	
01 22 23 00-0041	DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	414.48	
	For Half Day Usage, Deduct	-129.53	
01 22 23 00-0042	WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,039.97	
01 22 23 00-0043	MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,501.95	
01 22 23 00-0044	DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	512.45	
	For Half Day Usage, Deduct	-160.14	
01 22 23 00-0045	WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,107.79	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,750.64	
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	512.45	
		<i>For Half Day Usage, Deduct</i>	-160.14	
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,107.79	
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,750.64	
01 22 23 00-0050 Platform Lifts (01 22 23 00-0001)				
Note: Excludes operator, delivery, set-up, and removal.				
01 22 23 00-0051 Electric, Scissor Platform Lifts (01 22 23 00-0050)				
Note: For use on paved surfaces.				
01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift	191.65	
		<i>For Half Day Usage, Deduct</i>	-59.89	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	383.31	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	784.04	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	209.08	
		<i>For Half Day Usage, Deduct</i>	-65.34	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	418.15	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	836.30	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	270.06	
		<i>For Half Day Usage, Deduct</i>	-84.39	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	540.11	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	1,158.63	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	348.46	
		<i>For Half Day Usage, Deduct</i>	-108.89	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	688.21	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,524.51	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	374.59	
		<i>For Half Day Usage, Deduct</i>	-117.06	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	731.77	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,655.18	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	487.84	
		<i>For Half Day Usage, Deduct</i>	-152.45	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	1,210.90	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	3,371.35	
01 22 23 00-0070 Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)				
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.				
01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	475.90	
		<i>For Four-Wheel Drive, Add</i>	95.18	
		<i>For Half Day Usage, Deduct</i>	-148.72	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	930.64	
		<i>For Four-Wheel Drive, Add</i>	186.13	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	2,273.73	
		<i>For Four-Wheel Drive, Add</i>	454.75	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	486.47	
		<i>For Four-Wheel Drive, Add</i>	97.29	
		<i>For Half Day Usage, Deduct</i>	-152.02	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	1,110.43	
		<i>For Four-Wheel Drive, Add</i>	222.09	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	2,432.36	
		<i>For Four-Wheel Drive, Add</i>	486.47	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	539.35	
		<i>For Four-Wheel Drive, Add</i>	107.87	
		<i>For Half Day Usage, Deduct</i>	-168.55	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	1,237.33	
		<i>For Four-Wheel Drive, Add</i>	247.47	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	2,749.63	
		<i>For Four-Wheel Drive, Add</i>	549.93	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	571.08	
		<i>For Four-Wheel Drive, Add</i>	114.22	
		<i>For Half Day Usage, Deduct</i>	-178.46	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	1,332.51	
		<i>For Four-Wheel Drive, Add</i>	266.50	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	3,278.40	
		<i>For Four-Wheel Drive, Add</i>	655.68	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	1,068.13	
		<i>For Four-Wheel Drive, Add</i>	213.63	
		<i>For Half Day Usage, Deduct</i>	-333.79	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	2,347.76	
		<i>For Four-Wheel Drive, Add</i>	469.55	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	5,774.22	
		<i>For Four-Wheel Drive, Add</i>	1,154.84	
01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001)				
Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.				
01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	156.80	
		<i>For Half Day Usage, Deduct</i>	-49.00	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	444.26	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	897.23	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	217.78	
		<i>For Half Day Usage, Deduct</i>	-68.06	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	461.68	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	1,567.98	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift		365.86	
		<i>For Half Day Usage, Deduct</i>		-114.33	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	.....	888.52	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	.....	2,595.88	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	.....	392.00	
		<i>For Half Day Usage, Deduct</i>		-122.50	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	.....	975.63	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	.....	2,935.61	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	.....	209.06	
		<i>For Half Day Usage, Deduct</i>		-65.33	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	.....	418.13	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	.....	836.26	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	.....	209.06	
		<i>For Half Day Usage, Deduct</i>		-65.33	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	.....	418.13	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	.....	869.36	

01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)

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

01 22 23 00-0106	DAY	29' To 33' Bucket Truck With Full-Time Operator	.....	1,410.42	
		<i>For Equipment Without Operator, Deduct</i>		-799.48	
		<i>For Half Day Usage, Deduct</i>		-590.66	
01 22 23 00-0107	WK	29' To 33' Bucket Truck With Full-Time Operator	.....	5,830.21	
		<i>For Equipment Without Operator, Deduct</i>		-3,997.39	
01 22 23 00-0108	MO	29' To 33' Bucket Truck With Full-Time Operator	.....	21,987.38	
		<i>For Equipment Without Operator, Deduct</i>		-17,322.02	
01 22 23 00-0109	DAY	38' To 41' Bucket Truck With Full-Time Operator	.....	1,488.18	
		<i>For Equipment Without Operator, Deduct</i>		-799.48	
		<i>For Half Day Usage, Deduct</i>		-614.96	
01 22 23 00-0110	WK	38' To 41' Bucket Truck With Full-Time Operator	.....	6,080.14	
		<i>For Equipment Without Operator, Deduct</i>		-3,997.39	
01 22 23 00-0111	MO	38' To 41' Bucket Truck With Full-Time Operator	.....	22,653.86	
		<i>For Equipment Without Operator, Deduct</i>		-17,322.02	
01 22 23 00-0112	DAY	45' To 48' Bucket Truck With Full-Time Operator	.....	1,688.12	
		<i>For Equipment Without Operator, Deduct</i>		-799.48	
		<i>For Half Day Usage, Deduct</i>		-677.44	
01 22 23 00-0113	WK	45' To 48' Bucket Truck With Full-Time Operator	.....	6,441.15	
		<i>For Equipment Without Operator, Deduct</i>		-3,997.39	
01 22 23 00-0114	MO	45' To 48' Bucket Truck With Full-Time Operator	.....	23,431.42	
		<i>For Equipment Without Operator, Deduct</i>		-17,322.02	
01 22 23 00-0115	DAY	62' Bucket Truck With Full-Time Operator	.....	2,132.44	
		<i>For Equipment Without Operator, Deduct</i>		-799.48	
		<i>For Half Day Usage, Deduct</i>		-816.29	
01 22 23 00-0116	WK	62' Bucket Truck With Full-Time Operator	.....	7,885.19	
		<i>For Equipment Without Operator, Deduct</i>		-3,997.39	
01 22 23 00-0117	MO	62' Bucket Truck With Full-Time Operator	.....	27,319.22	
		<i>For Equipment Without Operator, Deduct</i>		-17,322.02	
01 22 23 00-0118	DAY	85' Bucket Truck With Full-Time Operator	.....	2,354.60	
		<i>For Equipment Without Operator, Deduct</i>		-799.48	
		<i>For Half Day Usage, Deduct</i>		-885.72	
01 22 23 00-0119	WK	85' Bucket Truck With Full-Time Operator	.....	8,662.75	
		<i>For Equipment Without Operator, Deduct</i>		-3,997.39	
01 22 23 00-0120	MO	85' Bucket Truck With Full-Time Operator	.....	30,096.22	
		<i>For Equipment Without Operator, Deduct</i>		-17,322.02	
01 22 23 00-0121	Day	105' Bucket Truck With Full-Time Operator	.....	2,465.68	
		<i>For Equipment Without Operator, Deduct</i>		-799.48	
		<i>For Half Day Usage, Deduct</i>		-920.43	
01 22 23 00-0122	WK	105' Bucket Truck With Full-Time Operator	.....	8,995.99	
		<i>For Equipment Without Operator, Deduct</i>		-3,997.39	
01 22 23 00-0123	MO	105' Bucket Truck With Full-Time Operator	.....	30,362.81	
		<i>For Equipment Without Operator, Deduct</i>		-17,322.02	

01 22 23 00-0124 Air Equipment (01 22 23)

01 22 23 00-0125 Air Compressors (01 22 23 00-0124)

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

01 22 23 00-0126	DAY	100 CFM Diesel Powered Portable Air Compressor	.....	172.85	
		<i>For Half Day Usage, Deduct</i>		-54.02	
01 22 23 00-0127	WK	100 CFM Diesel Powered Portable Air Compressor	.....	518.56	
01 22 23 00-0128	MO	100 CFM Diesel Powered Portable Air Compressor	.....	1,440.44	
01 22 23 00-0129	DAY	130 CFM Diesel Powered Portable Air Compressor	.....	207.42	
		<i>For Half Day Usage, Deduct</i>		-64.82	
01 22 23 00-0130	WK	130 CFM Diesel Powered Portable Air Compressor	.....	610.75	
01 22 23 00-0131	MO	130 CFM Diesel Powered Portable Air Compressor	.....	1,728.52	
01 22 23 00-0132	DAY	185 CFM Diesel Powered Portable Air Compressor	.....	276.56	
		<i>For Half Day Usage, Deduct</i>		-86.43	
01 22 23 00-0133	WK	185 CFM Diesel Powered Portable Air Compressor	.....	622.27	
01 22 23 00-0134	MO	185 CFM Diesel Powered Portable Air Compressor	.....	1,371.30	
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	.....	391.80	
		<i>For Half Day Usage, Deduct</i>		-122.44	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	.....	991.02	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	.....	2,362.32	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	.....	871.18	
		<i>For Half Day Usage, Deduct</i>		-272.24	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	.....	2,097.28	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor		5,227.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0141	DAY 750 CFM Diesel Powered Portable Air Compressor.....	1,048.64
	<i>For Half Day Usage, Deduct</i>	-327.70
01 22 23 00-0142	WK 750 CFM Diesel Powered Portable Air Compressor.....	2,581.26
01 22 23 00-0143	MO 750 CFM Diesel Powered Portable Air Compressor.....	6,337.92
01 22 23 00-0144	DAY 825 CFM Diesel Powered Portable Air Compressor.....	1,048.64
	<i>For Half Day Usage, Deduct</i>	-327.70
01 22 23 00-0145	WK 825 CFM Diesel Powered Portable Air Compressor.....	2,581.26
01 22 23 00-0146	MO 825 CFM Diesel Powered Portable Air Compressor.....	6,337.92
01 22 23 00-0147	DAY 1,300 CFM Diesel Powered Portable Air Compressor.....	1,221.49
	<i>For Half Day Usage, Deduct</i>	-381.72
01 22 23 00-0148	WK 1,300 CFM Diesel Powered Portable Air Compressor.....	2,737.98
01 22 23 00-0149	MO 1,300 CFM Diesel Powered Portable Air Compressor.....	7,301.29
01 22 23 00-0150	DAY 1,600 CFM Diesel Powered Portable Air Compressor.....	1,521.10
	<i>For Half Day Usage, Deduct</i>	-475.34
01 22 23 00-0151	WK 1,600 CFM Diesel Powered Portable Air Compressor.....	3,422.48
01 22 23 00-0152	MO 1,600 CFM Diesel Powered Portable Air Compressor.....	9,126.61

01 22 23 00-0153 Portable Negative Air Machines (01 22 23 00-0124)

Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.

01 22 23 00-0154	DAY Up To 2,000 CFM, Portable Negative Air Machine.....	109.47
	<i>For Half Day Usage, Deduct</i>	-34.21
01 22 23 00-0155	WK Up To 2,000 CFM, Portable Negative Air Machine.....	449.63
01 22 23 00-0156	MO Up To 2,000 CFM, Portable Negative Air Machine.....	1,358.66
01 22 23 00-0157	EA Replacement Prefilter, Dual Ply Polyester Pad For Negative Air Machine.....	30.70
01 22 23 00-0158	EA First Stage Pre-Filter For Portable Negative Air Machines.....	13.81
01 22 23 00-0159	EA Second Stage Pre-Filter For Portable Negative Air Machines.....	28.29
01 22 23 00-0160	EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines.....	134.97
	Note: For use on monthly rental units over three months	
01 22 23 00-0161	LF Flexible Exhaust Duct For Portable Negative Air Machines.....	2.48
01 22 23 00-0162	EA Move Negative Air Equipment And Discharge Duct.....	36.95

01 22 23 00-0163 Portable Air Scrubbers (01 22 23 00-0124)

Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.

01 22 23 00-0164	DAY Up To 1,000 CFM, Portable Air Scrubber.....	63.25
	<i>For Half Day Usage, Deduct</i>	-19.77
01 22 23 00-0165	WK Up To 1,000 CFM, Portable Air Scrubber.....	262.89
01 22 23 00-0166	MO Up To 1,000 CFM, Portable Air Scrubber.....	727.71
01 22 23 00-0167	DAY >1,000 to 2,000 CFM, Portable Air Scrubber.....	80.01
	<i>For Half Day Usage, Deduct</i>	-25.00
01 22 23 00-0168	WK >1,000 to 2,000 CFM, Portable Air Scrubber.....	331.47
01 22 23 00-0169	MO >1,000 to 2,000 CFM, Portable Air Scrubber.....	971.55
01 22 23 00-0170	DAY >2,000 To 5,000 CFM, Portable Air Scrubber.....	102.87
	<i>For Half Day Usage, Deduct</i>	-32.15
01 22 23 00-0171	WK >2,000 To 5,000 CFM, Portable Air Scrubber.....	438.15
01 22 23 00-0172	MO >2,000 To 5,000 CFM, Portable Air Scrubber.....	1,226.82
01 22 23 00-0173	EA First Stage Pre-Filter For Portable Air Scrubbers.....	18.38
01 22 23 00-0174	EA Second Stage Pre-Filter For Portable Air Scrubbers.....	24.48
01 22 23 00-0175	EA High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers.....	226.41

01 22 23 00-0176 Compaction And Paving Equipment (01 22 23)

01 22 23 00-0177 Pavers And Rollers (01 22 23 00-0176)

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

01 22 23 00-0178 Pavers (01 22 23 00-0177)

01 22 23 00-0179	DAY 10' Wide Paving Machine With Full-Time Operator.....	4,592.19
	<i>For Equipment Without Operator, Deduct</i>	-1,036.62
	<i>For Half Day Usage, Deduct</i>	-1,629.43
01 22 23 00-0180	WK 10' Wide Paving Machine With Full-Time Operator.....	19,405.34
	<i>For Equipment Without Operator, Deduct</i>	-5,183.08
01 22 23 00-0181	MO 10' Wide Paving Machine With Full-Time Operator.....	73,254.70
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03

01 22 23 00-0182 Ride-On Self-Propelled, Rubber Tire Rollers (01 22 23 00-0177)

01 22 23 00-0183	DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,399.00
	<i>For Equipment Without Operator, Deduct</i>	-1,036.62
	<i>For Half Day Usage, Deduct</i>	-631.55
01 22 23 00-0184	WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	6,279.11
	<i>For Equipment Without Operator, Deduct</i>	-5,183.08
01 22 23 00-0185	MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	25,435.34
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03
01 22 23 00-0186	DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,538.86
	<i>For Equipment Without Operator, Deduct</i>	-1,036.62
	<i>For Half Day Usage, Deduct</i>	-675.26
01 22 23 00-0187	WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	7,319.20
	<i>For Equipment Without Operator, Deduct</i>	-5,183.08
01 22 23 00-0188	MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	27,005.64
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03

01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0189	DAY	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,545.22	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-677.25	
01 22 23 00-0190	WK	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	6,905.96	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	
01 22 23 00-0191	MO	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	27,310.80	
		<i>For Equipment Without Operator, Deduct</i>	-22,460.03	

01 22 23 00-0192 Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0177)

01 22 23 00-0193	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,456.22	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-649.44	
01 22 23 00-0194	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,346.50	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	
01 22 23 00-0195	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,823.15	
		<i>For Equipment Without Operator, Deduct</i>	-22,460.03	
01 22 23 00-0196	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,723.23	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-732.88	
01 22 23 00-0197	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,886.89	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	
01 22 23 00-0198	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,526.96	
		<i>For Equipment Without Operator, Deduct</i>	-22,460.03	
01 22 23 00-0199	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,786.80	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-752.74	
01 22 23 00-0200	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,287.41	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	
01 22 23 00-0201	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	28,645.88	
		<i>For Equipment Without Operator, Deduct</i>	-22,460.03	

01 22 23 00-0202 Towed, Padfoot Rollers (01 22 23 00-0177)

01 22 23 00-0203	DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	120.79	
		<i>For Half Day Usage, Deduct</i>	-37.75	
01 22 23 00-0204	WK	48" Wide, 40" Diameter, Towed Padfoot Roller	349.66	
01 22 23 00-0205	MO	48" Wide, 40" Diameter, Towed Padfoot Roller	1,029.92	
01 22 23 00-0206	DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	152.58	
		<i>For Half Day Usage, Deduct</i>	-47.68	
01 22 23 00-0207	WK	60" Wide, 60" Diameter, Towed Padfoot Roller	425.95	
01 22 23 00-0208	MO	60" Wide, 60" Diameter, Towed Padfoot Roller	1,811.89	

01 22 23 00-0209 Static Rollers (01 22 23 00-0177)

01 22 23 00-0210	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	1,488.00	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-659.37	
01 22 23 00-0211	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	6,619.88	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	
01 22 23 00-0212	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator.....	26,719.55	
		<i>For Equipment Without Operator, Deduct</i>	-22,460.03	
01 22 23 00-0213	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,627.87	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-703.08	
01 22 23 00-0214	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	7,001.32	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	
01 22 23 00-0215	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	27,774.90	
		<i>For Equipment Without Operator, Deduct</i>	-22,460.03	

01 22 23 00-0216 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0177)

01 22 23 00-0217	DAY	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,284.56	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-595.79	
01 22 23 00-0218	WK	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,907.84	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	
01 22 23 00-0219	MO	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,367.28	
		<i>For Equipment Without Operator, Deduct</i>	-22,460.03	
01 22 23 00-0220	DAY	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,379.92	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-625.59	
01 22 23 00-0221	WK	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,193.92	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	
01 22 23 00-0222	MO	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,130.18	
		<i>For Equipment Without Operator, Deduct</i>	-22,460.03	
01 22 23 00-0223	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,443.50	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-645.46	
01 22 23 00-0224	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,384.65	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	
01 22 23 00-0225	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,638.78	
		<i>For Equipment Without Operator, Deduct</i>	-22,460.03	
01 22 23 00-0226	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,526.15	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-671.29	
01 22 23 00-0227	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,626.23	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0228	MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,268.17
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03
01 22 23 00-0229	DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,691.44
	<i>For Equipment Without Operator, Deduct</i>	-1,036.62
	<i>For Half Day Usage, Deduct</i>	-722.94
01 22 23 00-0230	WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,109.40
	<i>For Equipment Without Operator, Deduct</i>	-5,183.08
01 22 23 00-0231	MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,546.03
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03

01 22 23 00-0232

Steel Roadway Plates (01 22 23 00-0176)

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0233 for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0233	EA Placement And Removal Of Steel Roadway Plates.....	59.63
01 22 23 00-0234	DAY 1" x 4' x 8' Steel Plate	44.88
01 22 23 00-0235	WK 1" x 4' x 8' Steel Plate	105.98
01 22 23 00-0236	MO 1" x 4' x 8' Steel Plate	139.47
01 22 23 00-0237	DAY 1" x 4' x 10' Steel Plate	59.85
01 22 23 00-0238	WK 1" x 4' x 10' Steel Plate	134.65
01 22 23 00-0239	MO 1" x 4' x 10' Steel Plate	164.58
01 22 23 00-0240	DAY 1" x 5' x 10' Steel Plate	62.34
01 22 23 00-0241	WK 1" x 5' x 10' Steel Plate	140.89
01 22 23 00-0242	MO 1" x 5' x 10' Steel Plate	374.04
01 22 23 00-0243	DAY 1" x 6' x 8' Steel Plate	39.90
01 22 23 00-0244	WK 1" x 6' x 8' Steel Plate	89.77
01 22 23 00-0245	MO 1" x 6' x 8' Steel Plate	239.39
01 22 23 00-0246	DAY 1" x 6' x 10' Steel Plate	74.81
01 22 23 00-0247	WK 1" x 6' x 10' Steel Plate	98.50
01 22 23 00-0248	MO 1" x 6' x 10' Steel Plate	263.07
01 22 23 00-0249	DAY 1" x 6' x 12' Steel Plate	104.73
01 22 23 00-0250	WK 1" x 6' x 12' Steel Plate	134.03
01 22 23 00-0251	MO 1" x 6' x 12' Steel Plate	362.82
01 22 23 00-0252	DAY 1" x 8' x 10' Steel Plate	66.08
01 22 23 00-0253	WK 1" x 8' x 10' Steel Plate	148.37
01 22 23 00-0254	MO 1" x 8' x 10' Steel Plate	395.24
01 22 23 00-0255	DAY 1" x 8' x 12' Steel Plate	119.69
01 22 23 00-0256	WK 1" x 8' x 12' Steel Plate	148.37
01 22 23 00-0257	MO 1" x 8' x 12' Steel Plate	718.16
01 22 23 00-0258	DAY 1" x 8' x 16' Steel Plate	159.59
01 22 23 00-0259	WK 1" x 8' x 16' Steel Plate	359.08
01 22 23 00-0260	MO 1" x 8' x 16' Steel Plate	957.54
01 22 23 00-0261	LF Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	2.61
01 22 23 00-0262	EA Removal And Resetting Of Steel Roadway Plate	33.13

1.13

01 22 23 00-0263

Street Sweepers (01 22 23 00-0176)

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

01 22 23 00-0264	DAY 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	1,210.65
	<i>For Equipment Without Operator, Deduct</i>	-990.30
	<i>For Half Day Usage, Deduct</i>	-564.01
01 22 23 00-0265	WK 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	5,824.65
	<i>For Equipment Without Operator, Deduct</i>	-4,951.50
01 22 23 00-0266	MO 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator	24,567.37
	<i>For Equipment Without Operator, Deduct</i>	-21,456.52
01 22 23 00-0267	DAY Self-Propelled Street Sweeper With Hopper And Full-Time Operator	2,569.05
	Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	
	<i>For Equipment Without Operator, Deduct</i>	-990.30
	<i>For Half Day Usage, Deduct</i>	-988.51
01 22 23 00-0268	WK Self-Propelled Street Sweeper With Hopper And Full-Time Operator	11,275.21
	Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	
	<i>For Equipment Without Operator, Deduct</i>	-4,951.50
01 22 23 00-0269	MO Self-Propelled Street Sweeper With Hopper And Full-Time Operator	44,024.31
	Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	
	<i>For Equipment Without Operator, Deduct</i>	-21,456.52

01 22 23 00-0270

Earthmoving Equipment (01 22 23)

01 22 23 00-0271

Skid-Steer Loaders (01 22 23 00-0270)

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0272	DAY 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,382.98
	<i>For Equipment Without Operator, Deduct</i>	-990.30
	<i>For Half Day Usage, Deduct</i>	-617.86
01 22 23 00-0273	WK 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	5,981.66
	<i>For Equipment Without Operator, Deduct</i>	-4,951.50
01 22 23 00-0274	MO 700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	23,937.45
	<i>For Equipment Without Operator, Deduct</i>	-21,456.52
01 22 23 00-0275	DAY 1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,486.49
	<i>For Equipment Without Operator, Deduct</i>	-990.30
	<i>For Half Day Usage, Deduct</i>	-650.21
01 22 23 00-0276	WK 1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	6,168.96
	<i>For Equipment Without Operator, Deduct</i>	-4,951.50
01 22 23 00-0277	MO 1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	24,348.20
	<i>For Equipment Without Operator, Deduct</i>	-21,456.52

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01 22 23 00-0278	DAY	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator.....	1,516.06	
		<i>For Equipment Without Operator, Deduct</i>	-990.30	
		<i>For Half Day Usage, Deduct</i>	-659.45	
01 22 23 00-0279	WK	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator.....	6,438.42	
		<i>For Equipment Without Operator, Deduct</i>	-4,951.50	
01 22 23 00-0280	MO	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator.....	25,062.90	
		<i>For Equipment Without Operator, Deduct</i>	-21,456.52	
01 22 23 00-0281	DAY	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	1,631.07	
		<i>For Equipment Without Operator, Deduct</i>	-990.30	
		<i>For Half Day Usage, Deduct</i>	-695.39	
01 22 23 00-0282	WK	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	6,816.30	
		<i>For Equipment Without Operator, Deduct</i>	-4,951.50	
01 22 23 00-0283	MO	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	26,311.58	
		<i>For Equipment Without Operator, Deduct</i>	-21,456.52	
01 22 23 00-0284	DAY	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	1,828.23	
		<i>For Equipment Without Operator, Deduct</i>	-990.30	
		<i>For Half Day Usage, Deduct</i>	-757.00	
01 22 23 00-0285	WK	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	7,563.87	
		<i>For Equipment Without Operator, Deduct</i>	-4,951.50	
01 22 23 00-0286	MO	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator.....	28,151.74	
		<i>For Equipment Without Operator, Deduct</i>	-21,456.52	
01 22 23 00-0287	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	328.60	
		<i>For Half Day Usage, Deduct</i>	-102.69	
01 22 23 00-0288	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	1,092.60	
01 22 23 00-0289	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,908.11	
01 22 23 00-0290	DAY	Forklift Attachment For Skid-Steer Loaders	70.65	
		<i>For Half Day Usage, Deduct</i>	-22.08	
01 22 23 00-0291	WK	Forklift Attachment For Skid-Steer Loaders	188.94	
01 22 23 00-0292	MO	Forklift Attachment For Skid-Steer Loaders	533.98	
01 22 23 00-0293	DAY	Backhoe Attachment For Skid-Steer Loaders	156.08	
		<i>For Half Day Usage, Deduct</i>	-48.78	
01 22 23 00-0294	WK	Backhoe Attachment For Skid-Steer Loaders	374.60	
01 22 23 00-0295	MO	Backhoe Attachment For Skid-Steer Loaders	931.58	
01 22 23 00-0296	DAY	Broom Attachment For Skid-Steer Loaders	154.44	
		<i>For Half Day Usage, Deduct</i>	-48.26	
01 22 23 00-0297	WK	Broom Attachment For Skid-Steer Loaders	418.96	
01 22 23 00-0298	MO	Broom Attachment For Skid-Steer Loaders	1,109.02	
01 22 23 00-0299	DAY	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	134.73	
		<i>For Half Day Usage, Deduct</i>	-42.10	
01 22 23 00-0300	WK	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	371.32	
01 22 23 00-0301	MO	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	1,013.73	
01 22 23 00-0302	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	37.13	
		<i>For Half Day Usage, Deduct</i>	-11.60	
01 22 23 00-0303	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	97.15	
01 22 23 00-0304	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	285.73	
01 22 23 00-0305	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	50.00	
		<i>For Half Day Usage, Deduct</i>	-15.63	
01 22 23 00-0306	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	124.29	
01 22 23 00-0307	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	371.47	
01 22 23 00-0308	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	72.85	
		<i>For Half Day Usage, Deduct</i>	-22.77	
01 22 23 00-0309	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	221.46	
01 22 23 00-0310	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	657.20	
01 22 23 00-0311	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	14.79	
		<i>For Half Day Usage, Deduct</i>	-4.62	
01 22 23 00-0312	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	34.50	
01 22 23 00-0313	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	92.01	

01 22 23 00-0314 Bulldozers (01 22 23 00-0270)

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

01 22 23 00-0315	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,442.65	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-645.19	
01 22 23 00-0316	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,784.23	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	
01 22 23 00-0317	MO	70 HP, D3 Bulldozer With Full-Time Operator	27,209.85	
		<i>For Equipment Without Operator, Deduct</i>	-22,460.03	
01 22 23 00-0318	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	1,634.18	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-705.05	
01 22 23 00-0319	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	7,557.99	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	
01 22 23 00-0320	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	29,584.76	
		<i>For Equipment Without Operator, Deduct</i>	-22,460.03	
01 22 23 00-0321	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,178.11	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-875.03	
01 22 23 00-0322	WK	140 HP, D6 Bulldozer With Full-Time Operator	9,733.71	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	
01 22 23 00-0323	MO	140 HP, D6 Bulldozer With Full-Time Operator	36,096.61	
		<i>For Equipment Without Operator, Deduct</i>	-22,460.03	
01 22 23 00-0324	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,660.75	
		<i>For Equipment Without Operator, Deduct</i>	-1,036.62	
		<i>For Half Day Usage, Deduct</i>	-1,025.85	
01 22 23 00-0325	WK	200 HP, D7 Bulldozer With Full-Time Operator	11,671.95	
		<i>For Equipment Without Operator, Deduct</i>	-5,183.08	

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01 22 23 00-0326	MO		200 HP, D7 Bulldozer With Full-Time Operator	41,918.97	
			For Equipment Without Operator, Deduct	-22,460.03	
01 22 23 00-0327	DAY		335 HP, D8 Bulldozer With Full-Time Operator	3,235.33	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-1,205.41	
01 22 23 00-0328	WK		335 HP, D8 Bulldozer With Full-Time Operator	13,970.25	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0329	MO		335 HP, D8 Bulldozer With Full-Time Operator	48,813.87	
			For Equipment Without Operator, Deduct	-22,460.03	
01 22 23 00-0330	DAY		460 HP, D9 Bulldozer With Full-Time Operator	3,557.09	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-1,305.96	
01 22 23 00-0331	WK		460 HP, D9 Bulldozer With Full-Time Operator	15,249.63	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0332	MO		460 HP, D9 Bulldozer With Full-Time Operator	52,644.37	
			For Equipment Without Operator, Deduct	-22,460.03	
01 22 23 00-0333 Hydraulic Excavators (01 22 23 00-0270)					
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0334	DAY		3/8 CY Hydraulic Excavator With Full-Time Operator	1,398.39	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-631.36	
01 22 23 00-0335	WK		3/8 CY Hydraulic Excavator With Full-Time Operator	6,462.68	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0336	MO		3/8 CY Hydraulic Excavator With Full-Time Operator	26,747.71	
			For Equipment Without Operator, Deduct	-22,460.03	
01 22 23 00-0337	DAY		1/2 CY Hydraulic Excavator With Full-Time Operator	1,500.23	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-663.19	
01 22 23 00-0338	WK		1/2 CY Hydraulic Excavator With Full-Time Operator	6,911.55	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0339	MO		1/2 CY Hydraulic Excavator With Full-Time Operator	28,543.18	
			For Equipment Without Operator, Deduct	-22,460.03	
01 22 23 00-0340	DAY		5/8 CY Hydraulic Excavator With Full-Time Operator	1,532.38	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-673.24	
01 22 23 00-0341	WK		5/8 CY Hydraulic Excavator With Full-Time Operator	7,079.04	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0342	MO		5/8 CY Hydraulic Excavator With Full-Time Operator	28,837.95	
			For Equipment Without Operator, Deduct	-22,460.03	
01 22 23 00-0343	DAY		3/4 CY Hydraulic Excavator With Full-Time Operator	1,565.88	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-683.70	
01 22 23 00-0344	WK		3/4 CY Hydraulic Excavator With Full-Time Operator	7,233.13	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0345	MO		3/4 CY Hydraulic Excavator With Full-Time Operator	29,132.73	
			For Equipment Without Operator, Deduct	-22,460.03	
01 22 23 00-0346	DAY		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,592.68	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-692.08	
01 22 23 00-0347	WK		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	7,393.92	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0348	MO		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	29,427.51	
			For Equipment Without Operator, Deduct	-22,460.03	
01 22 23 00-0349	DAY		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,954.45	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-805.13	
01 22 23 00-0350	WK		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	8,834.31	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0351	MO		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	33,413.71	
			For Equipment Without Operator, Deduct	-22,460.03	
01 22 23 00-0352	DAY		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	2,008.05	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-821.88	
01 22 23 00-0353	WK		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	9,068.79	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0354	MO		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	34,117.16	
			For Equipment Without Operator, Deduct	-22,460.03	
01 22 23 00-0355	DAY		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,108.54	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-853.29	
01 22 23 00-0356	WK		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	9,470.76	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0357	MO		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	35,323.07	
			For Equipment Without Operator, Deduct	-22,460.03	
01 22 23 00-0358	DAY		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	2,222.43	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-888.88	
01 22 23 00-0359	WK		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	9,919.63	
			For Equipment Without Operator, Deduct	-5,183.08	
01 22 23 00-0360	MO		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	36,662.97	
			For Equipment Without Operator, Deduct	-22,460.03	
01 22 23 00-0361	DAY		2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,255.93	
			For Equipment Without Operator, Deduct	-1,036.62	
			For Half Day Usage, Deduct	-899.34	
01 22 23 00-0362	WK		2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	10,053.62	
			For Equipment Without Operator, Deduct	-5,183.08	

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0363	MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	37,064.94
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03
01 22 23 00-0364	DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,577.50
	<i>For Equipment Without Operator, Deduct</i>	-1,036.62
	<i>For Half Day Usage, Deduct</i>	-999.84
01 22 23 00-0365	WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	11,346.62
	<i>For Equipment Without Operator, Deduct</i>	-5,183.08
01 22 23 00-0366	MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	40,950.65
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03
01 22 23 00-0367	DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	3,039.77
	<i>For Equipment Without Operator, Deduct</i>	-1,036.62
	<i>For Half Day Usage, Deduct</i>	-1,144.29
01 22 23 00-0368	WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	13,182.28
	<i>For Equipment Without Operator, Deduct</i>	-5,183.08
01 22 23 00-0369	MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	46,444.24
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03
01 22 23 00-0370	DAY Thumbs Or Grapple Attachment For Hydraulic Excavators	93.79
	<i>For Half Day Usage, Deduct</i>	-29.31
01 22 23 00-0371	WK Thumbs Or Grapple Attachment For Hydraulic Excavators	361.77
01 22 23 00-0372	MO Thumbs Or Grapple Attachment For Hydraulic Excavators	1,071.92
01 22 23 00-0373	DAY 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	415.37
	<i>For Half Day Usage, Deduct</i>	-129.80
01 22 23 00-0374	WK 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,098.72
01 22 23 00-0375	MO 1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	3,075.07
01 22 23 00-0376	DAY 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	643.15
	<i>For Half Day Usage, Deduct</i>	-200.98
01 22 23 00-0377	WK 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,641.38
01 22 23 00-0378	MO 1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	4,267.58
01 22 23 00-0379	DAY 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	897.73
	<i>For Half Day Usage, Deduct</i>	-280.54
01 22 23 00-0380	WK 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	2,418.52
01 22 23 00-0381	MO 3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	6,779.89
01 22 23 00-0382	DAY 24" Compaction Wheel Attachment For Hydraulic Excavators	187.59
	<i>For Half Day Usage, Deduct</i>	-58.62
01 22 23 00-0383	WK 24" Compaction Wheel Attachment For Hydraulic Excavators	750.34
01 22 23 00-0384	MO 24" Compaction Wheel Attachment For Hydraulic Excavators	2,251.03
01 22 23 00-0385	DAY 36" Compaction Wheel Attachment For Hydraulic Excavators	267.98
	<i>For Half Day Usage, Deduct</i>	-83.74
01 22 23 00-0386	WK 36" Compaction Wheel Attachment For Hydraulic Excavators	1,071.92
01 22 23 00-0387	MO 36" Compaction Wheel Attachment For Hydraulic Excavators	3,215.76
01 22 23 00-0388	DAY 48" Compaction Wheel Attachment For Hydraulic Excavators	294.78
	<i>For Half Day Usage, Deduct</i>	-92.12
01 22 23 00-0389	WK 48" Compaction Wheel Attachment For Hydraulic Excavators	1,165.71
01 22 23 00-0390	MO 48" Compaction Wheel Attachment For Hydraulic Excavators	3,483.74

01 22 23 00-0391 Mini-Excavators (01 22 23 00-0270)

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

01 22 23 00-0392	DAY 2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,318.00
	<i>For Equipment Without Operator, Deduct</i>	-1,036.62
	<i>For Half Day Usage, Deduct</i>	-606.24
01 22 23 00-0393	WK 2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	5,980.32
	<i>For Equipment Without Operator, Deduct</i>	-5,183.08
01 22 23 00-0394	MO 2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator	24,215.30
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03
01 22 23 00-0395	DAY 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,324.70
	<i>For Equipment Without Operator, Deduct</i>	-1,036.62
	<i>For Half Day Usage, Deduct</i>	-608.34
01 22 23 00-0396	WK 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,000.42
	<i>For Equipment Without Operator, Deduct</i>	-5,183.08
01 22 23 00-0397	MO 3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,637.37
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03
01 22 23 00-0398	DAY 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,358.20
	<i>For Equipment Without Operator, Deduct</i>	-1,036.62
	<i>For Half Day Usage, Deduct</i>	-618.80
01 22 23 00-0399	WK 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,094.21
	<i>For Equipment Without Operator, Deduct</i>	-5,183.08
01 22 23 00-0400	MO 6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,697.66
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03
01 22 23 00-0401	DAY 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,371.60
	<i>For Equipment Without Operator, Deduct</i>	-1,036.62
	<i>For Half Day Usage, Deduct</i>	-622.99
01 22 23 00-0402	WK 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,141.11
	<i>For Equipment Without Operator, Deduct</i>	-5,183.08
01 22 23 00-0403	MO 7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,724.46
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03
01 22 23 00-0404	DAY 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,451.99
	<i>For Equipment Without Operator, Deduct</i>	-1,036.62
	<i>For Half Day Usage, Deduct</i>	-648.11
01 22 23 00-0405	WK 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,208.10
	<i>For Equipment Without Operator, Deduct</i>	-5,183.08
01 22 23 00-0406	MO 9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,501.60
	<i>For Equipment Without Operator, Deduct</i>	-22,460.03
01 22 23 00-0407	DAY 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,458.69
	<i>For Equipment Without Operator, Deduct</i>	-1,036.62
	<i>For Half Day Usage, Deduct</i>	-650.21
01 22 23 00-0408	WK 11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,543.08
	<i>For Equipment Without Operator, Deduct</i>	-5,183.08

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0409	MO	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	25,535.10 -22,460.03	
01 22 23 00-0410 Loader-Backhoes With Standard Bucket (01 22 23 00-0270)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0411	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,485.15 -1,036.62 -658.48	
01 22 23 00-0412	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,248.34 -5,183.08	
01 22 23 00-0413	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	24,967.00 -22,460.03	
01 22 23 00-0414	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,533.21 -1,036.62 -673.49	
01 22 23 00-0415	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,416.54 -5,183.08	
01 22 23 00-0416	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	25,992.22 -22,460.03	
01 22 23 00-0417	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,607.30 -1,036.62 -696.65	
01 22 23 00-0418	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,600.76 -5,183.08	
01 22 23 00-0419	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	26,520.85 -22,460.03	
01 22 23 00-0420	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,937.69 -1,036.62 -799.89	
01 22 23 00-0421	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,585.93 -5,183.08	
01 22 23 00-0422	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	29,340.19 -22,460.03	
01 22 23 00-0423 Heavy-Duty Construction Loaders (01 22 23 00-0270)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0424	DAY	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,524.93 -1,036.62 -670.91	
01 22 23 00-0425	WK	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,113.79 -5,183.08	
01 22 23 00-0426	MO	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	28,244.65 -22,460.03	
01 22 23 00-0427	DAY	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	1,930.61 -1,036.62 -797.68	
01 22 23 00-0428	WK	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,557.03 -5,183.08	
01 22 23 00-0429	MO	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	28,470.03 -22,460.03	
01 22 23 00-0430	DAY	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	2,020.76 -1,036.62 -825.85	
01 22 23 00-0431	WK	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,797.43 -5,183.08	
01 22 23 00-0432	MO	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	29,071.03 -22,460.03	
01 22 23 00-0433	DAY	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	2,268.67 -1,036.62 -903.33	
01 22 23 00-0434	WK	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	8,451.02 -5,183.08	
01 22 23 00-0435	MO	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	30,723.78 -22,460.03	
01 22 23 00-0436	DAY	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	2,907.23 -1,036.62 -1,102.88	
01 22 23 00-0437	WK	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	12,650.50 -5,183.08	
01 22 23 00-0438	MO	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	44,847.28 -22,460.03	
01 22 23 00-0439	DAY	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Half Day Usage, Deduct</i>	7,114.16 -1,036.62 -2,417.54	
01 22 23 00-0440	WK	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	24,918.21 -5,183.08	
01 22 23 00-0441	MO	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	76,243.60 -22,460.03	
01 22 23 00-0442 Tractors (01 22 23 00-0270)				
Note: Excludes operator, delivery, set-up, and removal.				
01 22 23 00-0443	DAY	20 To 29 HP Tractor <i>For Half Day Usage, Deduct</i>	501.41 -156.69	
01 22 23 00-0444	WK	20 To 29 HP Tractor	1,207.10	
01 22 23 00-0445	MO	20 To 29 HP Tractor	3,259.16	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0446	DAY	30 To 35 HP Tractor		519.54	
		For Half Day Usage, Deduct		-162.36	
01 22 23 00-0447	WK	30 To 35 HP Tractor	.....	1,337.53	
01 22 23 00-0448	MO	30 To 35 HP Tractor	.....	3,703.09	
01 22 23 00-0449	DAY	40 To 45 HP Tractor	.....	530.59	
		For Half Day Usage, Deduct	.....	-165.81	
01 22 23 00-0450	WK	40 To 45 HP Tractor	.....	1,425.97	
01 22 23 00-0451	MO	40 To 45 HP Tractor	.....	3,913.12	
01 22 23 00-0452	DAY	80 To 89 HP Tractor	.....	683.14	
		For Half Day Usage, Deduct	.....	-213.48	
01 22 23 00-0453	WK	80 To 89 HP Tractor	.....	1,937.32	
01 22 23 00-0454	MO	80 To 89 HP Tractor	.....	5,547.12	
01 22 23 00-0455	DAY	60" Rotary Mower Attachment For Tractors	.....	214.45	
		For Half Day Usage, Deduct	.....	-67.02	
01 22 23 00-0456	WK	60" Rotary Mower Attachment For Tractors	.....	663.24	
01 22 23 00-0457	DAY	84" Rotary Mower Attachment For Tractors	.....	234.34	
		For Half Day Usage, Deduct	.....	-73.23	
01 22 23 00-0458	WK	84" Rotary Mower Attachment For Tractors	.....	718.51	
01 22 23 00-0459	DAY	Under Deck Rotary Mower Attachment For Tractors	.....	41.39	
		For Half Day Usage, Deduct	.....	-12.93	
01 22 23 00-0460	WK	Under Deck Rotary Mower Attachment For Tractors	.....	165.55	

01 22 23 00-0461 Shoring (01 22 23 00-0270)

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

01 22 23 00-0462 Aluminum Hydraulic Shoring (01 22 23 00-0461)

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

01 22 23 00-0463	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	.....	116.90	
		Note: Up to 88" spread width.			
01 22 23 00-0464	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	.....	344.80	
		Note: Up to 88" spread width.			
01 22 23 00-0465	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	.....	156.82	
		Note: Up to 88" spread width.			
01 22 23 00-0466	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	.....	462.54	
		Note: Up to 88" spread width.			
01 22 23 00-0467	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	.....	290.78	
		Note: Up to 88" spread width.			
01 22 23 00-0468	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	.....	857.79	
		Note: Up to 88" spread width.			
01 22 23 00-0469	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	.....	28.87	
01 22 23 00-0470	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	.....	46.20	
01 22 23 00-0471	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	.....	76.99	

01 22 23 00-0472 Trench Boxes/Trench Shields (01 22 23 00-0270)

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

01 22 23 00-0473	WK	4' x 6' Trench Box With Up To 48" Spreaders	.....	260.32	
01 22 23 00-0474	MO	4' x 6' Trench Box With Up To 48" Spreaders	.....	780.97	
01 22 23 00-0475	WK	6' x 6' Trench Box With Up To 48" Spreaders	.....	293.91	
01 22 23 00-0476	MO	6' x 6' Trench Box With Up To 48" Spreaders	.....	881.74	
01 22 23 00-0477	WK	8' x 6' Trench Box With Up To 48" Spreaders	.....	310.71	
01 22 23 00-0478	MO	8' x 6' Trench Box With Up To 48" Spreaders	.....	932.12	
01 22 23 00-0479	WK	4' x 8' Trench Box With Up To 48" Spreaders	.....	285.52	
01 22 23 00-0480	MO	4' x 8' Trench Box With Up To 48" Spreaders	.....	856.54	
01 22 23 00-0481	WK	6' x 8' Trench Box With Up To 48" Spreaders	.....	335.90	
01 22 23 00-0482	MO	6' x 8' Trench Box With Up To 48" Spreaders	.....	1,007.70	
01 22 23 00-0483	WK	8' x 8' Trench Box With Up To 48" Spreaders	.....	377.89	
01 22 23 00-0484	MO	8' x 8' Trench Box With Up To 48" Spreaders	.....	1,133.66	
01 22 23 00-0485	WK	4' x 10' Trench Box With Up To 48" Spreaders	.....	319.10	
01 22 23 00-0486	MO	4' x 10' Trench Box With Up To 48" Spreaders	.....	957.32	
01 22 23 00-0487	WK	6' x 10' Trench Box With Up To 48" Spreaders	.....	377.89	
01 22 23 00-0488	MO	6' x 10' Trench Box With Up To 48" Spreaders	.....	1,133.66	
01 22 23 00-0489	WK	8' x 10' Trench Box With Up To 48" Spreaders	.....	461.86	
01 22 23 00-0490	MO	8' x 10' Trench Box With Up To 48" Spreaders	.....	1,377.19	
01 22 23 00-0491	WK	4' x 12' Trench Box With Up To 48" Spreaders	.....	377.89	
01 22 23 00-0492	MO	4' x 12' Trench Box With Up To 48" Spreaders	.....	1,133.66	
01 22 23 00-0493	WK	6' x 12' Trench Box With Up To 48" Spreaders	.....	461.86	
01 22 23 00-0494	MO	6' x 12' Trench Box With Up To 48" Spreaders	.....	1,385.59	
01 22 23 00-0495	WK	8' x 12' Trench Box With Up To 48" Spreaders	.....	587.82	
01 22 23 00-0496	MO	8' x 12' Trench Box With Up To 48" Spreaders	.....	1,763.48	
01 22 23 00-0497	WK	4' x 14' Trench Box With Up To 48" Spreaders	.....	419.88	
01 22 23 00-0498	MO	4' x 14' Trench Box With Up To 48" Spreaders	.....	1,259.62	
01 22 23 00-0499	WK	6' x 14' Trench Box With Up To 48" Spreaders	.....	545.84	
01 22 23 00-0500	MO	6' x 14' Trench Box With Up To 48" Spreaders	.....	1,637.51	
01 22 23 00-0501	WK	8' x 14' Trench Box With Up To 48" Spreaders	.....	671.80	
01 22 23 00-0502	MO	8' x 14' Trench Box With Up To 48" Spreaders	.....	2,015.40	
01 22 23 00-0503	WK	4' x 16' Trench Box With Up To 48" Spreaders	.....	461.86	
01 22 23 00-0504	MO	4' x 16' Trench Box With Up To 48" Spreaders	.....	1,385.59	
01 22 23 00-0505	WK	6' x 16' Trench Box With Up To 48" Spreaders	.....	629.81	
01 22 23 00-0506	MO	6' x 16' Trench Box With Up To 48" Spreaders	.....	1,889.44	
01 22 23 00-0507	WK	8' x 16' Trench Box With Up To 48" Spreaders	.....	755.78	
01 22 23 00-0508	MO	8' x 16' Trench Box With Up To 48" Spreaders	.....	2,267.32	
01 22 23 00-0509	WK	4' x 20' Trench Box With Up To 48" Spreaders	.....	545.84	
01 22 23 00-0510	MO	4' x 20' Trench Box With Up To 48" Spreaders	.....	1,637.51	
01 22 23 00-0511	WK	6' x 20' Trench Box With Up To 48" Spreaders		755.78	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0512	MO 6' x 20' Trench Box With Up To 48" Spreaders.....	2,267.32
01 22 23 00-0513	WK 8' x 20' Trench Box With Up To 48" Spreaders.....	881.74
01 22 23 00-0514	MO 8' x 20' Trench Box With Up To 48" Spreaders.....	2,645.21
01 22 23 00-0515	WK 4' x 24' Trench Box With Up To 48" Spreaders.....	755.78
01 22 23 00-0516	MO 4' x 24' Trench Box With Up To 48" Spreaders.....	2,267.32
01 22 23 00-0517	WK 6' x 24' Trench Box With Up To 48" Spreaders.....	923.72
01 22 23 00-0518	MO 6' x 24' Trench Box With Up To 48" Spreaders.....	2,771.18
01 22 23 00-0519	WK 8' x 24' Trench Box With Up To 48" Spreaders.....	1,007.70
01 22 23 00-0520	MO 8' x 24' Trench Box With Up To 48" Spreaders.....	3,023.10
01 22 23 00-0521	WK For Spreaders >48" To 84", Add.....	25.19
01 22 23 00-0522	MO For Spreaders >48" To 84", Add.....	75.58
01 22 23 00-0523	WK For Spreaders >84" To 120", Add.....	151.16
01 22 23 00-0524	MO For Spreaders >84" To 120", Add.....	453.46
01 22 23 00-0525	WK For Spreaders >120", Add.....	319.10
01 22 23 00-0526	MO For Spreaders >120", Add.....	957.32
01 22 23 00-0527	WK 8' x 4' Manhole Box.....	396.78
01 22 23 00-0528	MO 8' x 4' Manhole Box.....	1,190.35
01 22 23 00-0529	WK 8' x 8' Manhole Box.....	566.83
01 22 23 00-0530	MO 8' x 8' Manhole Box.....	1,700.49

01 22 23 00-0531 Trenchers (01 22 23 00-0270)

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

01 22 23 00-0532	DAY 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,344.03
	For Equipment Without Operator, Deduct	-990.30
	For Half Day Usage, Deduct	-605.69
01 22 23 00-0533	WK 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,156.39
	For Equipment Without Operator, Deduct	-4,951.50
01 22 23 00-0534	MO 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	24,772.72
	For Equipment Without Operator, Deduct	-21,456.52
01 22 23 00-0535	DAY 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,940.94
	For Equipment Without Operator, Deduct	-990.30
	For Half Day Usage, Deduct	-792.23
01 22 23 00-0536	WK 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	8,168.21
	For Equipment Without Operator, Deduct	-4,951.50
01 22 23 00-0537	MO 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	30,299.72
	For Equipment Without Operator, Deduct	-21,456.52

01 22 23 00-0538 Heavy Equipment (Ground Protection) Mats (01 22 23 00-0270)

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0270 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0539	DAY 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	28.76
	For Half Day Usage, Deduct	-8.99
01 22 23 00-0540	WK 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	68.47
01 22 23 00-0541	MO 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	143.78
01 22 23 00-0542	DAY 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	30.19
	For Half Day Usage, Deduct	-9.43
01 22 23 00-0543	WK 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	71.89
01 22 23 00-0544	MO 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	150.97
01 22 23 00-0545	Day 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	24.44
	For Half Day Usage, Deduct	-7.64
01 22 23 00-0546	WK 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	57.51
01 22 23 00-0547	MO 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	122.21
01 22 23 00-0548	Day 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	27.32
	For Half Day Usage, Deduct	-8.54
01 22 23 00-0549	WK 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	64.70
01 22 23 00-0550	MO 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	136.59
01 22 23 00-0551	Day 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	30.19
	For Half Day Usage, Deduct	-9.43
01 22 23 00-0552	WK 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	71.89
01 22 23 00-0553	MO 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	150.97
01 22 23 00-0554	Day 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	33.07
	For Half Day Usage, Deduct	-10.33
01 22 23 00-0555	WK 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	78.74
01 22 23 00-0556	MO 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	165.35
01 22 23 00-0557	Day 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	25.88
	For Half Day Usage, Deduct	-8.09
01 22 23 00-0558	WK 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	71.89
01 22 23 00-0559	MO 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	129.40
01 22 23 00-0560	Day 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	30.19
	For Half Day Usage, Deduct	-9.43
01 22 23 00-0561	WK 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	71.89
01 22 23 00-0562	MO 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	150.97
01 22 23 00-0563	Day 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	35.94
	For Half Day Usage, Deduct	-11.23
01 22 23 00-0564	WK 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	79.08
01 22 23 00-0565	MO 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	179.72
01 22 23 00-0566	Day 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	38.82
	For Half Day Usage, Deduct	-12.13
01 22 23 00-0567	WK 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	92.43
01 22 23 00-0568	MO 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	194.10
01 22 23 00-0569	Day 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	41.70
	For Half Day Usage, Deduct	-13.03
01 22 23 00-0570	WK 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	99.28
01 22 23 00-0571	MO 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	208.48

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01 22 23 00-0572	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	43.13	
		<i>For Half Day Usage, Deduct</i>	-13.48	
01 22 23 00-0573	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	102.70	
01 22 23 00-0574	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	215.67	
01 22 23 00-0575	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.83	
		<i>For Half Day Usage, Deduct</i>	-4.32	
01 22 23 00-0576	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	34.58	
01 22 23 00-0577	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	103.74	
01 22 23 00-0578	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.53	
		<i>For Half Day Usage, Deduct</i>	-5.17	
01 22 23 00-0579	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.34	
01 22 23 00-0580	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	124.01	
01 22 23 00-0581	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	18.88	
		<i>For Half Day Usage, Deduct</i>	-5.90	
01 22 23 00-0582	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.21	
01 22 23 00-0583	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	141.62	
01 22 23 00-0584	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	20.13	
		<i>For Half Day Usage, Deduct</i>	-6.29	
01 22 23 00-0585	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	50.32	
01 22 23 00-0586	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	150.97	
01 22 23 00-0587	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	23.00	
		<i>For Half Day Usage, Deduct</i>	-7.19	
01 22 23 00-0588	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	57.51	
01 22 23 00-0589	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	172.54	
01 22 23 00-0590	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	26.44	
		<i>For Half Day Usage, Deduct</i>	-8.26	
01 22 23 00-0591	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	66.09	
01 22 23 00-0592	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	198.27	
01 22 23 00-0593	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	20.34	
		<i>For Half Day Usage, Deduct</i>	-6.36	
01 22 23 00-0594	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	50.85	
01 22 23 00-0595	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	152.55	
01 22 23 00-0596	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	27.54	
		<i>For Half Day Usage, Deduct</i>	-8.61	
01 22 23 00-0597	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	68.85	
01 22 23 00-0598	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	206.54	
01 22 23 00-0599	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	23.81	
		<i>For Half Day Usage, Deduct</i>	-7.44	
01 22 23 00-0600	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	59.52	
01 22 23 00-0601	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	178.57	
01 22 23 00-0602	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	39.71	
		<i>For Half Day Usage, Deduct</i>	-12.41	
01 22 23 00-0603	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	99.28	
01 22 23 00-0604	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	297.83	
01 22 23 00-0605	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	42.33	
		<i>For Half Day Usage, Deduct</i>	-13.23	
01 22 23 00-0606	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	105.82	
01 22 23 00-0607	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	317.47	

01 22 23 00-0608 Electrical Equipment (01 22 23)

01 22 23 00-0609 Tripod Mounted Floodlights (01 22 23 00-0608)

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

01 22 23 00-0610	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.05	
		<i>For Half Day Usage, Deduct</i>	-20.33	
01 22 23 00-0611	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	153.90	
01 22 23 00-0612	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	325.25	
01 22 23 00-0613	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	65.05	
		<i>For Half Day Usage, Deduct</i>	-20.33	
01 22 23 00-0614	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	190.39	
01 22 23 00-0615	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	563.24	
01 22 23 00-0616	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	72.98	
		<i>For Half Day Usage, Deduct</i>	-22.81	
01 22 23 00-0617	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	198.32	
01 22 23 00-0618	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	483.91	

01 22 23 00-0619 Trailer Mounted Floodlights (01 22 23 00-0608)

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

01 22 23 00-0620	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	182.46	
		<i>For Half Day Usage, Deduct</i>	-57.02	
01 22 23 00-0621	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	404.58	
01 22 23 00-0622	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	872.63	

01 22 23 00-0623 Generator Sets (01 22 23 00-0608)

01 22 23 00-0624 Portable, Gas Powered Generator Sets (01 22 23 00-0623)

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0779 for reimbursable fuel fees.

01 22 23 00-0625	DAY	3.6 KW Gas Powered Generator Set	51.27	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	6.41	
		<i>For Half Day Usage, Deduct</i>	-16.02	
01 22 23 00-0626	WK	3.6 KW Gas Powered Generator Set	184.82	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		<i>For LP Or NG Gas, Add</i>	23.10	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0627	MO	3.6 KW Gas Powered Generator Set.....	512.73	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	64.09	
01 22 23 00-0628	DAY	5 KW Gas Powered Generator Set.....	72.74	
		Note: Fuel consumption: 100% load – 0.75 gallons per hour		
		For LP Or NG Gas, Add	9.09	
		For Half Day Usage, Deduct	-22.73	
01 22 23 00-0629	WK	5 KW Gas Powered Generator Set.....	232.52	
		Note: Fuel consumption: 100% load – 0.75 gallons per hour		
		For LP Or NG Gas, Add	29.07	
01 22 23 00-0630	MO	5 KW Gas Powered Generator Set.....	530.62	
		Note: Fuel consumption: 100% load – 0.75 gallons per hour		
		For LP Or NG Gas, Add	66.33	
01 22 23 00-0631	DAY	6.5 KW Gas Powered Generator Set.....	93.01	
		Note: Fuel consumption: 100% load – 0.975 gallons per hour		
		For LP Or NG Gas, Add	11.63	
		For Half Day Usage, Deduct	-29.07	
01 22 23 00-0632	WK	6.5 KW Gas Powered Generator Set.....	250.40	
		Note: Fuel consumption: 100% load – 0.975 gallons per hour		
		For LP Or NG Gas, Add	31.30	
01 22 23 00-0633	MO	6.5 KW Gas Powered Generator Set.....	691.59	
		Note: Fuel consumption: 100% load – 0.975 gallons per hour		
		For LP Or NG Gas, Add	86.45	
01 22 23 00-0634	DAY	10 KW Gas Powered Generator Set.....	103.74	
		Note: Fuel consumption: 100% load – 1.35 gallons per hour		
		For LP Or NG Gas, Add	12.97	
		For Half Day Usage, Deduct	-32.42	
01 22 23 00-0635	WK	10 KW Gas Powered Generator Set.....	280.21	
		Note: Fuel consumption: 100% load – 1.35 gallons per hour		
		For LP Or NG Gas, Add	35.03	
01 22 23 00-0636	MO	10 KW Gas Powered Generator Set.....	804.87	
		Note: Fuel consumption: 100% load – 1.35 gallons per hour		
		For LP Or NG Gas, Add	100.61	
01 22 23 00-0637	DAY	15 KW Gas Powered Generator Set.....	189.95	
		Note: Fuel consumption: 100% load – 1.70 gallons per hour		
		For LP Or NG Gas, Add	23.74	
		For Half Day Usage, Deduct	-59.36	
01 22 23 00-0638	WK	15 KW Gas Powered Generator Set.....	539.61	
		Note: Fuel consumption: 100% load – 1.6 gallons per hour		
		For LP Or NG Gas, Add	67.45	
01 22 23 00-0639	MO	15 KW Gas Powered Generator Set.....	1,165.57	
		Note: Fuel consumption: 100% load – 1.6 gallons per hour		
		For LP Or NG Gas, Add	145.70	
		For >6 Months (>26 Weeks), Deduct	-46.62	
01 22 23 00-0640		Towable, Diesel Powered Generator Sets (01 22 23 00-0623)		
		Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0779 for reimbursable fuel fees.		
01 22 23 00-0641	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set	213.44	
		Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	85.38	
		For >16 To 24 Hours Usage Per Day, Add	170.75	
01 22 23 00-0642	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set	558.04	
		Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	223.22	
		For >80 Hours Usage Per Week, Add	446.43	
01 22 23 00-0643	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set	1,520.31	
		Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	608.12	
		For >320 Hours Usage Per Month, Add	1,216.25	
01 22 23 00-0644	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set	371.13	
		Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	148.45	
		For >16 To 24 Hours Usage Per Day, Add	296.90	
01 22 23 00-0645	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set	1,101.42	
		Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	440.57	
		For >80 Hours Usage Per Week, Add	881.14	
01 22 23 00-0646	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set	2,274.68	
		Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	909.87	
		For >320 Hours Usage Per Month, Add	1,819.74	
01 22 23 00-0647	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set	407.05	
		Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	162.82	
		For >16 To 24 Hours Usage Per Day, Add	325.64	

01 General Requirements
01 20 Price and Payment Procedures
01 22 Unit Prices

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
01 22 23 00-0648	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,137.34	
		Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	454.94	
		For >80 Hours Usage Per Week, Add	909.87	
01 22 23 00-0649	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,514.12	
		Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	1,005.65	
		For >320 Hours Usage Per Month, Add	2,011.30	
01 22 23 00-0650	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	436.98	
		Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	174.79	
		For >16 To 24 Hours Usage Per Day, Add	349.58	
01 22 23 00-0651	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,197.20	
		Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	478.88	
		For >80 Hours Usage Per Week, Add	957.76	
01 22 23 00-0652	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,873.28	
		Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	1,149.31	
		For >320 Hours Usage Per Month, Add	2,298.62	
01 22 23 00-0653	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	478.88	
		Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	191.55	
		For >16 To 24 Hours Usage Per Day, Add	383.10	
01 22 23 00-0654	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,358.82	
		Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	543.53	
		For >80 Hours Usage Per Week, Add	1,087.06	
01 22 23 00-0655	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,232.44	
		Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	1,292.98	
		For >320 Hours Usage Per Month, Add	2,585.95	
01 22 23 00-0656	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	538.74	
		Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	215.50	
		For >16 To 24 Hours Usage Per Day, Add	430.99	
01 22 23 00-0657	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,436.64	
		Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	574.66	
		For >80 Hours Usage Per Week, Add	1,149.31	
01 22 23 00-0658	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,591.60	
		Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	1,436.64	
		For >320 Hours Usage Per Month, Add	2,873.28	
01 22 23 00-0659	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	556.70	
		Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	222.68	
		For >16 To 24 Hours Usage Per Day, Add	445.36	
01 22 23 00-0660	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,496.50	
		Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	598.60	
		For >80 Hours Usage Per Week, Add	1,197.20	
01 22 23 00-0661	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,070.48	
		Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	1,628.19	
		For >320 Hours Usage Per Month, Add	3,256.38	
01 22 23 00-0662	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	628.53	
		Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	251.41	
		For >16 To 24 Hours Usage Per Day, Add	502.82	
01 22 23 00-0663	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,735.94	
		Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	694.38	
		For >80 Hours Usage Per Week, Add	1,388.75	
01 22 23 00-0664	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,669.08	
		Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	1,867.63	
		For >320 Hours Usage Per Month, Add	3,735.26	
01 22 23 00-0665	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	658.46	
		Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	263.38	
		For >16 To 24 Hours Usage Per Day, Add	526.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0666	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,825.73		
		Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	730.29		
		For >80 Hours Usage Per Week, Add	1,460.58		
01 22 23 00-0667	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set	5,147.96		
		Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	2,059.18		
		For >320 Hours Usage Per Month, Add	4,118.37		
01 22 23 00-0668	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set	688.39		
		Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	275.36		
		For >16 To 24 Hours Usage Per Day, Add	550.71		
01 22 23 00-0669	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,975.38		
		Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	790.15		
		For >80 Hours Usage Per Week, Add	1,580.30		
01 22 23 00-0670	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set	5,387.40		
		Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	2,154.96		
		For >320 Hours Usage Per Month, Add	4,309.92		
01 22 23 00-0671	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set	718.32		
		Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	287.33		
		For >16 To 24 Hours Usage Per Day, Add	574.66		
01 22 23 00-0672	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,095.10		
		Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	838.04		
		For >80 Hours Usage Per Week, Add	1,676.08		
01 22 23 00-0673	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set	5,626.84		
		Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	2,250.74		
		For >320 Hours Usage Per Month, Add	4,501.47		
01 22 23 00-0674	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set	718.32		
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	287.33		
		For >16 To 24 Hours Usage Per Day, Add	574.66		
01 22 23 00-0675	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,095.10		
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	838.04		
		For >80 Hours Usage Per Week, Add	1,676.08		
01 22 23 00-0676	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set	5,626.84		
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	2,250.74		
		For >320 Hours Usage Per Month, Add	4,501.47		
01 22 23 00-0677	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set	987.69		
		Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	395.08		
		For >16 To 24 Hours Usage Per Day, Add	790.15		
01 22 23 00-0678	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,454.26		
		Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	981.70		
		For >80 Hours Usage Per Week, Add	1,963.41		
01 22 23 00-0679	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set	7,183.20		
		Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	2,873.28		
		For >320 Hours Usage Per Month, Add	5,746.56		
01 22 23 00-0680	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,047.55		
		Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	419.02		
		For >16 To 24 Hours Usage Per Day, Add	838.04		
01 22 23 00-0681	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,514.12		
		Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.			
		For >40 To 80 Hours Usage Per Week, Add	1,005.65		
		For >80 Hours Usage Per Week, Add	2,011.30		
01 22 23 00-0682	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set	7,422.64		
		Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.			
		For >160 To 320 Hours Usage Per Month, Add	2,969.06		
		For >320 Hours Usage Per Month, Add	5,938.11		
01 22 23 00-0683	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,107.41		
		Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.			
		For >8 To 16 Hours Usage Per Day, Add	442.96		
		For >16 To 24 Hours Usage Per Day, Add	885.93		

01	General Requirements
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0684	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,573.98	
		Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	1,029.59	
		For >80 Hours Usage Per Week, Add	2,059.18	
01 22 23 00-0685	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,662.08	
		Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	3,064.83	
		For >320 Hours Usage Per Month, Add	6,129.66	
01 22 23 00-0686	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,143.33	
		Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	457.33	
		For >16 To 24 Hours Usage Per Day, Add	914.66	
01 22 23 00-0687	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,753.56	
		Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	1,101.42	
		For >80 Hours Usage Per Week, Add	2,202.85	
01 22 23 00-0688	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,140.96	
		Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	3,256.38	
		For >320 Hours Usage Per Month, Add	6,512.77	
01 22 23 00-0689	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,197.20	
		Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	478.88	
		For >16 To 24 Hours Usage Per Day, Add	957.76	
01 22 23 00-0690	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,112.72	
		Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	1,245.09	
		For >80 Hours Usage Per Week, Add	2,490.18	
01 22 23 00-0691	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,979.00	
		Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	3,591.60	
		For >320 Hours Usage Per Month, Add	7,183.20	
01 22 23 00-0692	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,175.85	
		Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	870.34	
		For >16 To 24 Hours Usage Per Day, Add	1,740.68	
01 22 23 00-0693	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,625.59	
		Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	2,250.24	
		For >80 Hours Usage Per Week, Add	4,500.47	
01 22 23 00-0694	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	14,877.60	
		Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	5,951.04	
		For >320 Hours Usage Per Month, Add	11,902.08	
01 22 23 00-0695	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,789.55	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	1,115.82	
		For >16 To 24 Hours Usage Per Day, Add	2,231.64	
01 22 23 00-0696	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	7,252.83	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	2,901.13	
		For >80 Hours Usage Per Week, Add	5,802.26	
01 22 23 00-0697	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	16,737.30	
		Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	6,694.92	
		For >320 Hours Usage Per Month, Add	13,389.84	
01 22 23 00-0698	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	3,449.74	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	1,379.90	
		For >16 To 24 Hours Usage Per Day, Add	2,759.79	
01 22 23 00-0699	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	9,112.53	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	3,645.01	
		For >80 Hours Usage Per Week, Add	7,290.02	
01 22 23 00-0700	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	22,316.40	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	8,926.56	
		For >320 Hours Usage Per Month, Add	17,853.12	
01 22 23 00-0701	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	3,728.70	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	1,491.48	
		For >16 To 24 Hours Usage Per Day, Add	2,982.96	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0702	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	8,591.81 3,436.72 6,873.45	
01 22 23 00-0703	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	25,775.44 10,310.18 20,620.35	
01 22 23 00-0704	DAY	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	4,230.82 1,692.33 3,384.66	
01 22 23 00-0705	WK	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	11,055.92 4,422.37 8,844.74	
01 22 23 00-0706	MO	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	30,285.21 12,114.08 24,228.17 -1,211.41	
01 22 23 00-0707	DAY	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	5,579.10 2,231.64 4,463.28	
01 22 23 00-0708	WK	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	16,737.30 6,694.92 13,389.84	
01 22 23 00-0709	MO	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	47,989.56 19,195.82 38,391.65	
01 22 23 00-0710	DAY	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	7,355.11 2,942.04 5,884.09	
01 22 23 00-0711	WK	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	18,392.43 7,356.97 14,713.94	
01 22 23 00-0712	MO	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks), Deduct	50,211.90 20,084.76 40,169.52 -2,008.48	
01 22 23 00-0713	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,009.61	
01 22 23 00-0714	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,660.07	
01 22 23 00-0715	EA	1,000 To 2,000 KW Generator Set Delivery, Set-Up, Testing And Pick-up	2,841.25	
01 22 23 00-0716		Generator Accessories (01 22 23 00-0623) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0717		Step Down Transformer (01 22 23 00-0716)		
01 22 23 00-0718	WK	75 KVA, 480-208 Volt, Step Down Transformer	353.17	
01 22 23 00-0719	MO	75 KVA, 480-208 Volt, Step Down Transformer	987.69	
		For >6 Months (>26 Weeks), Deduct	-39.51	
01 22 23 00-0720	WK	150 KVA, 480-208 Volt, Step Down Transformer	566.28	
01 22 23 00-0721	MO	150 KVA, 480-208 Volt, Step Down Transformer	1,697.63	
		For >6 Months (>26 Weeks), Deduct	-67.91	
01 22 23 00-0722	WK	225 KVA, 480-208 Volt, Step Down Transformer	754.24	
01 22 23 00-0723	MO	225 KVA, 480-208 Volt, Step Down Transformer	2,262.71	
		For >6 Months (>26 Weeks), Deduct	-90.51	
01 22 23 00-0724	WK	500 KVA, 480-208 Volt, Step Down Transformer	897.90	
01 22 23 00-0725	MO	500 KVA, 480-208 Volt, Step Down Transformer	2,693.70	
		For >6 Months (>26 Weeks), Deduct	-107.75	
01 22 23 00-0726	WK	1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	1,340.86	
01 22 23 00-0727	MO	1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	4,004.63	
		For >6 Months (>26 Weeks), Deduct	-160.19	
01 22 23 00-0728	WK	1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	2,178.90	
01 22 23 00-0729	MO	1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	6,530.73	
		For >6 Months (>26 Weeks), Deduct	-261.23	
01 22 23 00-0730	WK	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	2,514.12	
01 22 23 00-0731	MO	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	7,542.36	
		For >6 Months (>26 Weeks), Deduct	-301.69	
01 22 23 00-0732		Portable Panel (01 22 23 00-0716)		

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
01 22 23 00-0733	WK	100 Amperes, Portable Panel	281.34		
01 22 23 00-0734	MO	100 Amperes, Portable Panel	718.32		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-28.73		
01 22 23 00-0735	WK	200 Amperes, Portable Panel	336.41		
01 22 23 00-0736	MO	200 Amperes, Portable Panel	897.90		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-35.92		
01 22 23 00-0737	WK	400 Amperes, Portable Panel	359.16		
01 22 23 00-0738	MO	400 Amperes, Portable Panel	1,077.48		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-43.10		
01 22 23 00-0739		Portable Fusible Disconnect (01 22 23 00-0716)			
01 22 23 00-0740	WK	100 - 200 Amperes, Portable Fusible Disconnect	125.71		
01 22 23 00-0741	MO	100 - 200 Amperes, Portable Fusible Disconnect	377.12		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-15.08		
01 22 23 00-0742	WK	300 - 400 Amperes, Portable Fusible Disconnect	251.41		
01 22 23 00-0743	MO	300 - 400 Amperes, Portable Fusible Disconnect	754.24		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-30.17		
01 22 23 00-0744		Portable Transfer Switch (01 22 23 00-0716)			
01 22 23 00-0745	WK	100 Amperes, 480 Volt, Portable Transfer Switch	377.12		
01 22 23 00-0746	MO	100 Amperes, 480 Volt, Portable Transfer Switch	1,131.35		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-45.25		
01 22 23 00-0747	WK	200 Amperes, 480 Volt, Portable Transfer Switch	502.82		
01 22 23 00-0748	MO	200 Amperes, 480 Volt, Portable Transfer Switch	1,508.47		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-60.34		
01 22 23 00-0749	WK	400 Amperes, 480 Volt, Portable Transfer Switch	628.53		
01 22 23 00-0750	MO	400 Amperes, 480 Volt, Portable Transfer Switch	1,885.59		
		<i>For >6 Months (>26 Weeks), Deduct</i>	-75.42		
01 22 23 00-0751		Cabling For Generator Sets (01 22 23 00-0623)			
		Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-0752	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	26.34		
		<i>For Half Day Usage, Deduct</i>	-8.23		
01 22 23 00-0753	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	46.09		
01 22 23 00-0754	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	138.28		
01 22 23 00-0755	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	13.17		
		<i>For Half Day Usage, Deduct</i>	-4.12		
01 22 23 00-0756	WK	50', 4/0 Cable With Camlock Ends For Generator Set	38.31		
01 22 23 00-0757	MO	50', 4/0 Cable With Camlock Ends For Generator Set	106.55		
01 22 23 00-0758		Resistive Load Banks For Generator Sets (01 22 23 00-0623)			
		Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0779 for reimbursable fuel fees.			
01 22 23 00-0759	DAY	100 KW A/C Resistive Load Bank	371.52		
01 22 23 00-0760	WK	100 KW A/C Resistive Load Bank	706.62		
01 22 23 00-0761	MO	100 KW A/C Resistive Load Bank	1,930.46		
01 22 23 00-0762	DAY	650 KW A/C Resistive Load Bank	691.12		
01 22 23 00-0763	WK	650 KW A/C Resistive Load Bank	1,848.23		
01 22 23 00-0764	MO	650 KW A/C Resistive Load Bank	4,712.20		
01 22 23 00-0765		Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0623)			
		Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-0766	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	64.65		
		<i>For Half Day Usage, Deduct</i>	-20.20		
01 22 23 00-0767	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	167.61		
01 22 23 00-0768	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	472.89		
01 22 23 00-0769		Portable Distribution Panels For Generator Sets (01 22 23 00-0623)			
		Note: Includes delivery to job site and pick-up when complete.			
01 22 23 00-0770	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	143.66		
		<i>For Half Day Usage, Deduct</i>	-44.89		
01 22 23 00-0771	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	389.09		
01 22 23 00-0772	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	1,089.45		
01 22 23 00-0773	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	117.33		
		<i>For Half Day Usage, Deduct</i>	-36.67		
01 22 23 00-0774	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	305.29		
01 22 23 00-0775	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	867.97		
01 22 23 00-0776	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	149.65		
		<i>For Half Day Usage, Deduct</i>	-46.77		
01 22 23 00-0777	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	377.12		
01 22 23 00-0778	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	1,023.61		
01 22 23 00-0779		Fuel Reimbursement For Generators (01 22 23 00-0623)			
01 22 23 00-0780	EA	Fuel Reimbursement For Generators	1.00		
		Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0781	Welding Machines (01 22 23 00-0808)	
	Note: Includes delivery to job site and pick-up when complete. Excludes operator.	
01 22 23 00-0782	Diesel Powered Towable Welding Machines (01 22 23 00-0781)	
	Note: Includes delivery to job site and pick-up when complete. Excludes operator.	
01 22 23 00-0783	DAY 250 To 299 Amperes, Diesel Powered Towable Welding Machine	138.31
	For Half Day Usage, Deduct	-43.22
01 22 23 00-0784	WK 250 To 299 Amperes, Diesel Powered Towable Welding Machine	338.10
01 22 23 00-0785	MO 250 To 299 Amperes, Diesel Powered Towable Welding Machine	806.82
01 22 23 00-0786	DAY 300 To 349 Amperes, Diesel Powered Towable Welding Machine	184.42
	For Half Day Usage, Deduct	-57.63
01 22 23 00-0787	WK 300 To 349 Amperes, Diesel Powered Towable Welding Machine	361.15
01 22 23 00-0788	MO 300 To 349 Amperes, Diesel Powered Towable Welding Machine	843.70
01 22 23 00-0789	DAY 350 To 399 Amperes, Diesel Powered Towable Welding Machine	192.10
	For Half Day Usage, Deduct	-60.03
01 22 23 00-0790	WK 350 To 399 Amperes, Diesel Powered Towable Welding Machine	384.20
01 22 23 00-0791	MO 350 To 399 Amperes, Diesel Powered Towable Welding Machine	937.45
01 22 23 00-0792	CC/CV Inverter Welder (01 22 23 00-0781)	
	Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0779 for reimbursable fuel fees.	
01 22 23 00-0793	DAY 250 Amperes, CC Inverter Welder	43.03
	For Half Day Usage, Deduct	-13.45
01 22 23 00-0794	WK 250 Amperes, CC Inverter Welder	93.74
01 22 23 00-0795	MO 250 Amperes, CC Inverter Welder	284.31
01 22 23 00-0796	DAY 300 Amperes, CC/CV Inverter Welder	49.18
	For Half Day Usage, Deduct	-15.37
01 22 23 00-0797	WK 300 Amperes, CC/CV Inverter Welder	130.63
01 22 23 00-0798	MO 300 Amperes, CC/CV Inverter Welder	345.78
01 22 23 00-0799	DAY 350 Amperes, CC/CV Inverter Welder	50.71
	For Half Day Usage, Deduct	-15.85
01 22 23 00-0800	WK 350 Amperes, CC/CV Inverter Welder	133.70
01 22 23 00-0801	MO 350 Amperes, CC/CV Inverter Welder	376.52
01 22 23 00-0802	MIG Welder (01 22 23 00-0781)	
	Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0779 for reimbursable fuel fees.	
01 22 23 00-0803	DAY 115 Volt MIG Welder	73.77
	For Half Day Usage, Deduct	-23.05
01 22 23 00-0804	WK 115 Volt MIG Welder	192.10
01 22 23 00-0805	MO 115 Volt MIG Welder	522.51
01 22 23 00-0806	General Equipment (01 22 23)	
01 22 23 00-0807	Jacks And Bracing (01 22 23 00-0806)	
	Note: Includes delivery to job site and pick-up when complete.	
01 22 23 00-0808	Manual Hydraulic Jacks (01 22 23 00-0807)	
01 22 23 00-0809	DAY 12 Ton Manual Hydraulic Bottle Jack	1.67
	For Half Day Usage, Deduct	-0.52
01 22 23 00-0810	WK 12 Ton Manual Hydraulic Bottle Jack	7.93
01 22 23 00-0811	MO 12 Ton Manual Hydraulic Bottle Jack	28.50
01 22 23 00-0812	DAY 20 Ton Manual Hydraulic Bottle Jack	2.92
	For Half Day Usage, Deduct	-0.91
01 22 23 00-0813	WK 20 Ton Manual Hydraulic Bottle Jack	9.18
01 22 23 00-0814	MO 20 Ton Manual Hydraulic Bottle Jack	34.76
01 22 23 00-0815	DAY 50 Ton Manual Hydraulic Bottle Jack	10.43
	For Half Day Usage, Deduct	-3.26
01 22 23 00-0816	WK 50 Ton Manual Hydraulic Bottle Jack	40.49
01 22 23 00-0817	MO 50 Ton Manual Hydraulic Bottle Jack	145.66
01 22 23 00-0818	DAY 100 Ton Manual Hydraulic Bottle Jack	14.61
	For Half Day Usage, Deduct	-4.57
01 22 23 00-0819	WK 100 Ton Manual Hydraulic Bottle Jack	58.43
01 22 23 00-0820	MO 100 Ton Manual Hydraulic Bottle Jack	210.46
01 22 23 00-0821	Manual Screw Jacks (01 22 23 00-0807)	
01 22 23 00-0822	DAY 10 To 20 Ton Manual Screw Jack	19.16
	For Half Day Usage, Deduct	-5.99
01 22 23 00-0823	WK 10 To 20 Ton Manual Screw Jack	50.71
01 22 23 00-0824	MO 10 To 20 Ton Manual Screw Jack	152.12
01 22 23 00-0825	Shores/Braces (01 22 23 00-0807)	
01 22 23 00-0826	MO Up To 5' Height, Adjustable Tubular Steel Shoring	15.78
01 22 23 00-0827	MO Up To 10' Height, Adjustable Tubular Steel Shoring	20.28
01 22 23 00-0828	MO >10' To 16' Height, Adjustable Tubular Steel Shoring	27.04
01 22 23 00-0829	MO Up To 10' Height, Adjustable Wood Shoring	6.57
01 22 23 00-0830	MO >10' To 16' Height, Adjustable Wood Shoring	8.76
01 22 23 00-0831	EA Erect And Strip Shores To 10'	11.55
	For >20 To 50, Deduct	-1.73
	For >50 To 100, Deduct	-4.04
	For >100, Deduct	-6.35

01	General Requirements
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0832	EA		Erect And Strip Shores To 13'.....	13.86	
			For >20 To 50, Deduct	-2.08	
			For >50 To 100, Deduct	-4.85	
			For >100, Deduct	-7.62	
01 22 23 00-0833	EA		Erect And Strip Shores To 16'.....	16.16	
			For >20 To 50, Deduct	-2.42	
			For >50 To 100, Deduct	-5.66	
			For >100, Deduct	-8.89	
01 22 23 00-0834			Pressure Washers (01 22 23 00-0806)		
			Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0835	DAY		2,000 PSI Pressure Washer With Full-Time Operator	843.88	
			For Equipment Without Operator, Deduct	-734.16	
			For Half Day Usage, Deduct	-401.37	
01 22 23 00-0836	WK		2,000 PSI Pressure Washer With Full-Time Operator	3,949.33	
			For Equipment Without Operator, Deduct	-3,670.81	
01 22 23 00-0837	MO		2,000 PSI Pressure Washer With Full-Time Operator	16,615.81	
			For Equipment Without Operator, Deduct	-15,906.85	
01 22 23 00-0838	DAY		2,500 PSI Pressure Washer With Full-Time Operator	843.88	
			For Equipment Without Operator, Deduct	-734.16	
			For Half Day Usage, Deduct	-401.37	
01 22 23 00-0839	WK		2,500 PSI Pressure Washer With Full-Time Operator	3,949.33	
			For Equipment Without Operator, Deduct	-3,670.81	
01 22 23 00-0840	MO		2,500 PSI Pressure Washer With Full-Time Operator	16,615.81	
			For Equipment Without Operator, Deduct	-15,906.85	
01 22 23 00-0841	DAY		3,000 PSI Pressure Washer With Full-Time Operator	843.88	
			For Equipment Without Operator, Deduct	-734.16	
			For Half Day Usage, Deduct	-401.37	
01 22 23 00-0842	WK		3,000 PSI Pressure Washer With Full-Time Operator	3,949.33	
			For Equipment Without Operator, Deduct	-3,670.81	
01 22 23 00-0843	MO		3,000 PSI Pressure Washer With Full-Time Operator	16,615.81	
			For Equipment Without Operator, Deduct	-15,906.85	
01 22 23 00-0844	DAY		3,500 PSI Pressure Washer With Full-Time Operator	852.32	
			For Equipment Without Operator, Deduct	-734.16	
			For Half Day Usage, Deduct	-404.01	
01 22 23 00-0845	WK		3,500 PSI Pressure Washer With Full-Time Operator	3,974.65	
			For Equipment Without Operator, Deduct	-3,670.81	
01 22 23 00-0846	MO		3,500 PSI Pressure Washer With Full-Time Operator	16,683.33	
			For Equipment Without Operator, Deduct	-15,906.85	
01 22 23 00-0847	DAY		4,000 PSI Pressure Washer With Full-Time Operator	886.08	
			For Equipment Without Operator, Deduct	-734.16	
			For Half Day Usage, Deduct	-414.56	
01 22 23 00-0848	WK		4,000 PSI Pressure Washer With Full-Time Operator	4,084.37	
			For Equipment Without Operator, Deduct	-3,670.81	
01 22 23 00-0849	MO		4,000 PSI Pressure Washer With Full-Time Operator	17,063.13	
			For Equipment Without Operator, Deduct	-15,906.85	
01 22 23 00-0850	DAY		5,000 PSI Pressure Washer With Full-Time Operator	902.96	
			For Equipment Without Operator, Deduct	-734.16	
			For Half Day Usage, Deduct	-419.83	
01 22 23 00-0851	WK		5,000 PSI Pressure Washer With Full-Time Operator	4,126.57	
			For Equipment Without Operator, Deduct	-3,670.81	
01 22 23 00-0852	MO		5,000 PSI Pressure Washer With Full-Time Operator	17,189.73	
			For Equipment Without Operator, Deduct	-15,906.85	
01 22 23 00-0853			Confined Space Entry Equipment (01 22 23 00-0806)		
			Note: Includes delivery to job site, set-up, and pick-up when complete.		
01 22 23 00-0854	DAY		Ventilation Equipment For Confined Space	46.63	
			Note: Includes electric or gas blower and ventilation duct up to 25'.		
			For Half Day Usage, Deduct	-14.57	
01 22 23 00-0855	WK		Ventilation Equipment For Confined Space	139.90	
			Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0856	MO		Ventilation Equipment For Confined Space	417.47	
			Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0857	DAY		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	66.13	
			For Half Day Usage, Deduct	-20.67	
01 22 23 00-0858	WK		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	198.38	
01 22 23 00-0859	MO		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	595.14	
01 22 23 00-0860	DAY		Confined Space Air Monitor Personnel	734.16	
			Note: Per person day.		
			For Half Day Usage, Deduct	-367.08	
01 22 23 00-0861			High Volume Vacuums (01 22 23 00-0806)		
			Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.		
01 22 23 00-0862	DAY		500 Gallon High Volume Vacuum With Full-Time Operator	1,577.22	
			For Equipment Without Operator, Deduct	-990.30	
			For Half Day Usage, Deduct	-678.56	
01 22 23 00-0863	WK		500 Gallon High Volume Vacuum With Full-Time Operator	6,594.89	
			For Equipment Without Operator, Deduct	-4,951.50	
01 22 23 00-0864	MO		500 Gallon High Volume Vacuum With Full-Time Operator	27,091.00	
			For >6 Months (>26 Weeks), Deduct	-225.38	
			For Equipment Without Operator, Deduct	-21,456.52	
01 22 23 00-0865			Portable Floor Drying Fans (01 22 23 00-0806)		
			Note: Includes delivery to job site and pick-up when complete. Excludes operator.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0866	DAY	2,250 CFM Portable Floor Drying Fan	23.87	
		<i>For Half Day Usage, Deduct</i>	-7.46	
01 22 23 00-0867	WK	2,250 CFM Portable Floor Drying Fan	110.39	
01 22 23 00-0868	MO	2,250 CFM Portable Floor Drying Fan	365.49	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-14.62	
01 22 23 00-0869 Portable Dehumidifiers (01 22 23 00-0806)				
Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.				
01 22 23 00-0870	DAY	7.5 To 10 Gallons Per Day, Portable Dehumidifier	189.87	
		<i>For Half Day Usage, Deduct</i>	-59.33	
01 22 23 00-0871	WK	7.5 To 10 Gallons Per Day, Portable Dehumidifier	610.29	
01 22 23 00-0872	MO	7.5 To 10 Gallons Per Day, Portable Dehumidifier	1,857.99	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-74.32	
01 22 23 00-0873	DAY	16 To 25 Gallons Per Day, Portable Dehumidifier	339.05	
		<i>For Half Day Usage, Deduct</i>	-105.95	
01 22 23 00-0874	WK	16 To 25 Gallons Per Day, Portable Dehumidifier	1,017.15	
01 22 23 00-0875	MO	16 To 25 Gallons Per Day, Portable Dehumidifier	2,373.35	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-94.93	
01 22 23 00-0876 Portable Fume Extractors (01 22 23 00-0806)				
Note: Includes delivery to job site and pick-up when complete. Excludes operator.				
01 22 23 00-0877	DAY	Portable Fume Extractor	29.98	
		<i>For Half Day Usage, Deduct</i>	-9.37	
01 22 23 00-0878	WK	Portable Fume Extractor	89.93	
01 22 23 00-0879 Direct Fired Space Heaters (01 22 23 00-0806)				
Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.				
01 22 23 00-0880	DAY	150,000 BTU/Hour Space Heater	68.00	
		<i>For Half Day Usage, Deduct</i>	-21.25	
01 22 23 00-0881	WK	150,000 BTU/Hour Space Heater	195.50	
01 22 23 00-0882	MO	150,000 BTU/Hour Space Heater	552.50	
01 22 23 00-0883	DAY	500,000 BTU/Hour Space Heater	144.50	
		<i>For Half Day Usage, Deduct</i>	-45.16	
01 22 23 00-0884	WK	500,000 BTU/Hour Space Heater	357.00	
01 22 23 00-0885	MO	500,000 BTU/Hour Space Heater	902.70	
01 22 23 00-0886 Trailer Mounted Brush Chipper (01 22 23 00-0806)				
Note: Includes delivery to job site and pick-up when complete.				
01 22 23 00-0887	DAY	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	187.47	
		<i>For Half Day Usage, Deduct</i>	-58.58	
01 22 23 00-0888	WK	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	448.30	
01 22 23 00-0889	MO	4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,377.52	
01 22 23 00-0890	DAY	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	244.53	
		<i>For Half Day Usage, Deduct</i>	-76.42	
01 22 23 00-0891	WK	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	551.01	
01 22 23 00-0892	MO	6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,467.18	
01 22 23 00-0893	DAY	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	456.46	
		<i>For Half Day Usage, Deduct</i>	-142.64	
01 22 23 00-0894	WK	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,027.03	
01 22 23 00-0895	MO	9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	2,738.74	
01 22 23 00-0896	DAY	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	540.90	
		<i>For Half Day Usage, Deduct</i>	-169.03	
01 22 23 00-0897	WK	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	1,217.02	
01 22 23 00-0898	MO	12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up	3,245.40	
01 22 23 00-0899 Material Handling Equipment (01 22 23)				
01 22 23 00-0900 Truck Mounted Hydraulic Cranes (01 22 23 00-0899)				
Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.				
01 22 23 00-0901	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,549.74	
		<i>For Equipment Without Operator, Deduct</i>	-1,061.47	
		<i>For Half Day Usage, Deduct</i>	-683.32	
01 22 23 00-0902	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,786.51	
		<i>For Equipment Without Operator, Deduct</i>	-5,307.33	
01 22 23 00-0903	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,450.33	
		<i>For Equipment Without Operator, Deduct</i>	-22,998.42	
01 22 23 00-0904	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,678.99	
		<i>For Equipment Without Operator, Deduct</i>	-1,061.47	
		<i>For Half Day Usage, Deduct</i>	-723.71	
01 22 23 00-0905	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,170.67	
		<i>For Equipment Without Operator, Deduct</i>	-5,307.33	
01 22 23 00-0906	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,599.21	
		<i>For Equipment Without Operator, Deduct</i>	-22,998.42	
01 22 23 00-0907	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,808.24	
		<i>For Equipment Without Operator, Deduct</i>	-1,061.47	
		<i>For Half Day Usage, Deduct</i>	-764.10	
01 22 23 00-0908	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,554.83	
		<i>For Equipment Without Operator, Deduct</i>	-5,307.33	
01 22 23 00-0909	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,748.09	
		<i>For Equipment Without Operator, Deduct</i>	-22,998.42	

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MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
01 22 23 00-0910	DAY 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,980.57		
	<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
	<i>For Half Day Usage, Deduct</i>	-817.95		
01 22 23 00-0911	WK 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,071.82		
	<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-0912	MO 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	31,291.90		
	<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-0913	DAY 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,138.55		
	<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
	<i>For Half Day Usage, Deduct</i>	-867.32		
01 22 23 00-0914	WK 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,141.72		
	<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-0915	MO 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	34,498.71		
	<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-0916	DAY 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,511.93		
	<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
	<i>For Half Day Usage, Deduct</i>	-984.00		
01 22 23 00-0917	WK 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,477.29		
	<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-0918	MO 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	38,508.30		
	<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-0919	DAY 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,748.89		
	<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
	<i>For Half Day Usage, Deduct</i>	-1,058.05		
01 22 23 00-0920	WK 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,310.23		
	<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-0921	MO 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	41,012.86		
	<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-0922	DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,935.58		
	<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
	<i>For Half Day Usage, Deduct</i>	-1,116.39		
01 22 23 00-0923	WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,985.19		
	<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-0924	MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	43,034.89		
	<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-0925	DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,122.27		
	<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
	<i>For Half Day Usage, Deduct</i>	-1,174.74		
01 22 23 00-0926	WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,660.16		
	<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-0927	MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	45,056.92		
	<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-0928	DAY 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,244.34		
	<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
	<i>For Half Day Usage, Deduct</i>	-1,212.88		
01 22 23 00-0929	WK 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,076.63		
	<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-0930	MO 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	46,320.68		
	<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-0931	DAY 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,409.49		
	<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
	<i>For Half Day Usage, Deduct</i>	-1,264.49		
01 22 23 00-0932	WK 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,694.15		
	<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-0933	MO 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	48,158.89		
	<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-0934	DAY 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,940.85		
	<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
	<i>For Half Day Usage, Deduct</i>	-1,430.54		
01 22 23 00-0935	WK 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,385.16		
	<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-0936	MO 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	53,231.92		
	<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-0937	DAY 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,307.06		
	<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
	<i>For Half Day Usage, Deduct</i>	-1,544.98		
01 22 23 00-0938	WK 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,666.88		
	<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-0939	MO 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	57,077.07		
	<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-0940	DAY 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,967.66		
	<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
	<i>For Half Day Usage, Deduct</i>	-1,751.42		
01 22 23 00-0941	WK 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,979.00		
	<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-0942	MO 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	64,013.44		
	<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-0943	DAY 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,427.21		
	<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
	<i>For Half Day Usage, Deduct</i>	-1,895.03		
01 22 23 00-0944	WK 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,587.43		
	<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-0945	MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	68,838.73		
	<i>For Equipment Without Operator, Deduct</i>	-22,998.42		

01 22 23 00-0946 Cable Controlled Lattice Boom, Mechanical Cranes (01 22 23 00-0899)

Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0947	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,784.79 -1,061.47	
01 22 23 00-0948	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,453.84 -5,307.33	
01 22 23 00-0949	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	41,437.94 -22,998.42	
01 22 23 00-0950	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,113.18 -1,061.47	
01 22 23 00-0951	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	13,665.43 -5,307.33	
01 22 23 00-0952	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	48,072.73 -22,998.42	
01 22 23 00-0953	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,328.60 -1,061.47	
01 22 23 00-0954	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,237.96 -5,307.33	
01 22 23 00-0955	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	52,788.88 -22,998.42	
01 22 23 00-0956	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,759.43 -1,061.47	
01 22 23 00-0957	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,810.49 -5,307.33	
01 22 23 00-0958	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	57,499.29 -22,998.42	
01 22 23 00-0959	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,964.07 -1,061.47	
01 22 23 00-0960	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,383.02 -5,307.33	
01 22 23 00-0961	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	62,221.18 -22,998.42	
01 22 23 00-0962	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,168.72 -1,061.47	
01 22 23 00-0963	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,955.55 -5,307.33	
01 22 23 00-0964	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	66,943.08 -22,998.42	
01 22 23 00-0965	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,843.68 -1,061.47	
01 22 23 00-0966	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	22,375.38 -5,307.33	
01 22 23 00-0967	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	74,192.51 -22,998.42	
01 22 23 00-0968	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,994.01 -1,061.47	
01 22 23 00-0969	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	37,167.21 -5,307.33	
01 22 23 00-0970	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	118,585.24 -22,998.42	
01 22 23 00-0971 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts (01 22 23 00-0899)				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0972	DAY	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,647.62 -990.30	
01 22 23 00-0973	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,560.21 -4,951.50	
01 22 23 00-0974	MO	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	24,916.12 -21,456.52	
01 22 23 00-0975	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,716.82 -990.30	
01 22 23 00-0976	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,715.90 -4,951.50	
01 22 23 00-0977	MO	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	25,262.08 -21,456.52	
01 22 23 00-0978	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,699.52 -990.30	
01 22 23 00-0979	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	6,793.74 -4,951.50	
01 22 23 00-0980	MO	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	25,781.02 -21,456.52	
01 22 23 00-0981	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,898.44 -990.30	
01 22 23 00-0982	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,312.68 -4,951.50	
01 22 23 00-0983	MO	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	26,991.88 -21,456.52	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 22 23 00-0984		Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0899)	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0985	DAY	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,417.56
		For Equipment Without Operator, Deduct	-990.30
		For Propane Instead Of Gas Or Diesel, Add	85.45
		For Half Day Usage, Deduct	-628.67
01 22 23 00-0986	WK	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,118.25
		For Equipment Without Operator, Deduct	-4,951.50
		For Propane Instead Of Gas Or Diesel, Add	233.35
01 22 23 00-0987	MO	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,126.90
		For Equipment Without Operator, Deduct	-21,456.52
		For Propane Instead Of Gas Or Diesel, Add	534.08
01 22 23 00-0988	DAY	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,440.05
		For Equipment Without Operator, Deduct	-990.30
		For Propane Instead Of Gas Or Diesel, Add	89.95
		For Half Day Usage, Deduct	-635.70
01 22 23 00-0989	WK	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,179.66
		For Equipment Without Operator, Deduct	-4,951.50
		For Propane Instead Of Gas Or Diesel, Add	245.63
01 22 23 00-0990	MO	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,267.44
		For Equipment Without Operator, Deduct	-21,456.52
		For Propane Instead Of Gas Or Diesel, Add	562.18
01 22 23 00-0991	DAY	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,561.13
		For Equipment Without Operator, Deduct	-990.30
		For Propane Instead Of Gas Or Diesel, Add	114.17
		For Half Day Usage, Deduct	-673.53
01 22 23 00-0992	WK	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,516.97
		For Equipment Without Operator, Deduct	-4,951.50
		For Propane Instead Of Gas Or Diesel, Add	313.09
01 22 23 00-0993	MO	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,045.86
		For Equipment Without Operator, Deduct	-21,456.52
		For Propane Instead Of Gas Or Diesel, Add	717.87
01 22 23 00-0994	DAY	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,627.82
		For Equipment Without Operator, Deduct	-990.30
		For Propane Instead Of Gas Or Diesel, Add	127.50
		For Half Day Usage, Deduct	-694.38
01 22 23 00-0995	WK	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,488.08
		For Equipment Without Operator, Deduct	-4,951.50
		For Propane Instead Of Gas Or Diesel, Add	307.32
01 22 23 00-0996	MO	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,281.63
		For Equipment Without Operator, Deduct	-21,456.52
		For Propane Instead Of Gas Or Diesel, Add	765.02
01 22 23 00-0997		Straight Mast, Industrial Warehouse Forklifts (01 22 23 00-0899)	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0998	DAY	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,353.56
		For Equipment Without Operator, Deduct	-990.30
		For Propane Instead Of Gas Or Diesel, Add	72.65
		For Half Day Usage, Deduct	-608.67
01 22 23 00-0999	WK	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,781.80
		For Equipment Without Operator, Deduct	-4,951.50
		For Propane Instead Of Gas Or Diesel, Add	166.06
01 22 23 00-1000	MO	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,445.79
		For Equipment Without Operator, Deduct	-21,456.52
		For Propane Instead Of Gas Or Diesel, Add	397.85
01 22 23 00-1001	DAY	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,362.21
		For Equipment Without Operator, Deduct	-990.30
		For Propane Instead Of Gas Or Diesel, Add	74.38
		For Half Day Usage, Deduct	-611.37
01 22 23 00-1002	WK	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,807.75
		For Equipment Without Operator, Deduct	-4,951.50
		For Propane Instead Of Gas Or Diesel, Add	171.25
01 22 23 00-1003	MO	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,506.33
		For Equipment Without Operator, Deduct	-21,456.52
		For Propane Instead Of Gas Or Diesel, Add	409.96
01 22 23 00-1004	DAY	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,543.84
		For Equipment Without Operator, Deduct	-990.30
		For Propane Instead Of Gas Or Diesel, Add	110.71
		For Half Day Usage, Deduct	-668.13
01 22 23 00-1005	WK	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,205.60
		For Equipment Without Operator, Deduct	-4,951.50
		For Propane Instead Of Gas Or Diesel, Add	250.82
01 22 23 00-1006	MO	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,483.67
		For Equipment Without Operator, Deduct	-21,456.52
		For Propane Instead Of Gas Or Diesel, Add	605.43
01 22 23 00-1007	DAY	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,561.13
		For Equipment Without Operator, Deduct	-990.30
		For Propane Instead Of Gas Or Diesel, Add	114.17
		For Half Day Usage, Deduct	-673.53
01 22 23 00-1008	WK	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,352.64
		For Equipment Without Operator, Deduct	-4,951.50
		For Propane Instead Of Gas Or Diesel, Add	280.23
01 22 23 00-1009	MO	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,002.61
		For Equipment Without Operator, Deduct	-21,456.52
		For Propane Instead Of Gas Or Diesel, Add	709.22
01 22 23 00-1010	DAY	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,716.82
		For Equipment Without Operator, Deduct	-990.30
		For Propane Instead Of Gas Or Diesel, Add	145.30
		For Half Day Usage, Deduct	-722.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1011	WK	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,603.46		
		<i>For Equipment Without Operator, Deduct</i>	-4,951.50		
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	330.39		
01 22 23 00-1012	MO	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,435.06		
		<i>For Equipment Without Operator, Deduct</i>	-21,456.52		
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	795.71		

01 22 23 00-1013 Chain Hoists (01 22 23 00-0899)

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

01 22 23 00-1014	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52		
		<i>For Half Day Usage, Deduct</i>	-3.91		
01 22 23 00-1015	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55		
01 22 23 00-1016	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40		
01 22 23 00-1017	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06		
		<i>For Half Day Usage, Deduct</i>	-10.96		
01 22 23 00-1018	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63		
01 22 23 00-1019	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62		
01 22 23 00-1020	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07		
		<i>For Half Day Usage, Deduct</i>	-14.08		
01 22 23 00-1021	WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44		
01 22 23 00-1022	MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04		
01 22 23 00-1023	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89		
		<i>For Half Day Usage, Deduct</i>	-27.78		
01 22 23 00-1024	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62		
01 22 23 00-1025	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00		
01 22 23 00-1026	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14		
		<i>For Half Day Usage, Deduct</i>	-28.17		
01 22 23 00-1027	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01		
01 22 23 00-1028	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30		
01 22 23 00-1029	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65		
		<i>For Half Day Usage, Deduct</i>	-28.95		
01 22 23 00-1030	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79		
01 22 23 00-1031	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90		

01 22 23 00-1032 Roof Swing Hoist (01 22 23 00-0899)

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

01 22 23 00-1033	DAY	Up To 400 Lb., Manual Swing Roof Hoist	103.38		
		<i>For Half Day Usage, Deduct</i>	-32.31		
01 22 23 00-1034	WK	Up To 400 Lb., Manual Swing Roof Hoist	361.81		
01 22 23 00-1035	MO	Up To 400 Lb., Manual Swing Roof Hoist	1,240.50		

01 22 23 00-1036 Truck Mounted Digger Derrick (01 22 23 00-0899)

Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.

01 22 23 00-1037	DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,741.29		
		Note: Includes lifting boom, grapple arm and auger drill.			
		<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
		<i>For Half Day Usage, Deduct</i>	-743.18		
01 22 23 00-1038	WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,346.79		
		Note: Includes lifting boom, grapple arm and auger drill.			
		<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-1039	MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	28,436.98		
		Note: Includes lifting boom, grapple arm and auger drill.			
		<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-1040	DAY	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,881.02		
		Note: Includes lifting boom, grapple arm and auger drill.			
		<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
		<i>For Half Day Usage, Deduct</i>	-786.84		
01 22 23 00-1041	WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,765.98		
		Note: Includes lifting boom, grapple arm and auger drill.			
		<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-1042	MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	29,554.83		
		Note: Includes lifting boom, grapple arm and auger drill.			
		<i>For Equipment Without Operator, Deduct</i>	-22,998.42		
01 22 23 00-1043	DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	2,744.48		
		Note: Includes lifting boom, grapple arm and auger drill.			
		<i>For Equipment Without Operator, Deduct</i>	-1,061.47		
		<i>For Half Day Usage, Deduct</i>	-1,056.68		
01 22 23 00-1044	WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	10,356.36		
		Note: Includes lifting boom, grapple arm and auger drill.			
		<i>For Equipment Without Operator, Deduct</i>	-5,307.33		
01 22 23 00-1045	MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	36,462.50		
		Note: Includes lifting boom, grapple arm and auger drill.			
		<i>For Equipment Without Operator, Deduct</i>	-22,998.42		

01 22 23 00-1046 Pumping Equipment (01 22 23)

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 22 23 00-1047 Gas Powered Portable Centrifugal Pumps (01 22 23 00-1046)			
Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1071 for larger diameter pumps.			
01 22 23 00-1048	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	82.98
		For >8 To 16 Hours Usage Per Day, Add	33.19
		For >16 To 24 Hours Usage Per Day, Add	66.38
01 22 23 00-1049	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	186.70
		For >40 To 80 Hours Usage Per Week, Add	74.68
		For >80 Hours Usage Per Week, Add	149.36
01 22 23 00-1050	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	497.88
		For >160 To 320 Hours Usage Per Month, Add	199.15
		For >320 Hours Usage Per Month, Add	398.30
		For >6 Months (>26 Weeks), Deduct	-19.92
01 22 23 00-1051	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	99.58
		For >8 To 16 Hours Usage Per Day, Add	39.83
		For >16 To 24 Hours Usage Per Day, Add	79.66
01 22 23 00-1052	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	224.05
		For >40 To 80 Hours Usage Per Week, Add	89.62
		For >80 Hours Usage Per Week, Add	179.24
01 22 23 00-1053	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	597.46
		For >160 To 320 Hours Usage Per Month, Add	238.98
		For >320 Hours Usage Per Month, Add	477.97
		For >6 Months (>26 Weeks), Deduct	-23.90
01 22 23 00-1054 Gas Powered Portable Diaphragm Pumps (01 22 23 00-1046)			
Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-1055	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	95.43
		For >8 To 16 Hours Usage Per Day, Add	38.17
		For >16 To 24 Hours Usage Per Day, Add	76.34
01 22 23 00-1056	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	269.68
		For >40 To 80 Hours Usage Per Week, Add	107.87
		For >80 Hours Usage Per Week, Add	215.74
01 22 23 00-1057	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	684.58
		For >160 To 320 Hours Usage Per Month, Add	273.83
		For >320 Hours Usage Per Month, Add	547.66
		For >6 Months (>26 Weeks), Deduct	-27.38
01 22 23 00-1058	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	116.17
		For >8 To 16 Hours Usage Per Day, Add	46.47
		For >16 To 24 Hours Usage Per Day, Add	92.94
01 22 23 00-1059	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	311.18
		For >40 To 80 Hours Usage Per Week, Add	124.47
		For >80 Hours Usage Per Week, Add	248.94
01 22 23 00-1060	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	881.66
		For >160 To 320 Hours Usage Per Month, Add	352.66
		For >320 Hours Usage Per Month, Add	705.33
		For >6 Months (>26 Weeks), Deduct	-35.27
01 22 23 00-1061 Gas Powered Portable Trash Pumps (01 22 23 00-1046)			
Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-1062	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	120.32
		For >8 To 16 Hours Usage Per Day, Add	48.13
		For >16 To 24 Hours Usage Per Day, Add	96.26
01 22 23 00-1063	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	248.94
		For >40 To 80 Hours Usage Per Week, Add	99.58
		For >80 Hours Usage Per Week, Add	199.15
01 22 23 00-1064	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	746.82
		For >160 To 320 Hours Usage Per Month, Add	298.73
		For >320 Hours Usage Per Month, Add	597.46
		For >6 Months (>26 Weeks), Deduct	-29.87
01 22 23 00-1065	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	120.32
		For >8 To 16 Hours Usage Per Day, Add	48.13
		For >16 To 24 Hours Usage Per Day, Add	96.26
01 22 23 00-1066	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	321.55
		For >40 To 80 Hours Usage Per Week, Add	128.62
		For >80 Hours Usage Per Week, Add	257.24
01 22 23 00-1067	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	881.66
		For >160 To 320 Hours Usage Per Month, Add	352.66
		For >320 Hours Usage Per Month, Add	705.33
		For >6 Months (>26 Weeks), Deduct	-35.27
01 22 23 00-1068	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	190.85
		For >8 To 16 Hours Usage Per Day, Add	76.34
		For >16 To 24 Hours Usage Per Day, Add	152.68
01 22 23 00-1069	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	539.37
		For >40 To 80 Hours Usage Per Week, Add	215.75
		For >80 Hours Usage Per Week, Add	431.50
01 22 23 00-1070	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,566.25
		For >160 To 320 Hours Usage Per Month, Add	626.50
		For >320 Hours Usage Per Month, Add	1,253.00
		For >6 Months (>26 Weeks), Deduct	-62.65
01 22 23 00-1071 Diesel Powered Portable Trash Pumps (01 22 23 00-1046)			
Note: Includes delivery, set-up, and removal. Excludes operator.			
01 22 23 00-1072	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	373.41
		For >8 To 16 Hours Usage Per Day, Add	149.36
		For >16 To 24 Hours Usage Per Day, Add	298.73

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1073	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	1,016.50	
		For >40 To 80 Hours Usage Per Week, Add	406.60	
		For >80 Hours Usage Per Week, Add	813.20	
01 22 23 00-1074	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,429.06	
		For >160 To 320 Hours Usage Per Month, Add	1,771.62	
		For >320 Hours Usage Per Month, Add	3,543.25	
01 22 23 00-1075	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	570.49	
		For >8 To 16 Hours Usage Per Day, Add	228.20	
		For >16 To 24 Hours Usage Per Day, Add	456.39	
01 22 23 00-1076	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,493.64	
		For >40 To 80 Hours Usage Per Week, Add	597.46	
		For >80 Hours Usage Per Week, Add	1,194.91	
01 22 23 00-1077	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,972.67	
		For >160 To 320 Hours Usage Per Month, Add	1,589.07	
		For >320 Hours Usage Per Month, Add	3,178.14	
01 22 23 00-1078	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	775.86	
		For >8 To 16 Hours Usage Per Day, Add	310.34	
		For >16 To 24 Hours Usage Per Day, Add	620.69	
01 22 23 00-1079	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,076.57	
		For >40 To 80 Hours Usage Per Week, Add	830.63	
		For >80 Hours Usage Per Week, Add	1,661.26	
01 22 23 00-1080	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,555.51	
		For >160 To 320 Hours Usage Per Month, Add	2,222.20	
		For >320 Hours Usage Per Month, Add	4,444.41	
01 22 23 00-1081	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,004.06	
		For >8 To 16 Hours Usage Per Day, Add	401.62	
		For >16 To 24 Hours Usage Per Day, Add	803.25	
01 22 23 00-1082	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,564.08	
		For >40 To 80 Hours Usage Per Week, Add	1,025.63	
		For >80 Hours Usage Per Week, Add	2,051.26	
01 22 23 00-1083	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,530.44	
		For >160 To 320 Hours Usage Per Month, Add	3,012.18	
		For >320 Hours Usage Per Month, Add	6,024.35	
01 22 23 00-1084 Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-1046)				
Note: Includes delivery, set-up, and removal. Excludes operator.				
01 22 23 00-1085	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	533.15	
		For >8 To 16 Hours Usage Per Day, Add	213.26	
		For >16 To 24 Hours Usage Per Day, Add	426.52	
01 22 23 00-1086	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,213.58	
		For >40 To 80 Hours Usage Per Week, Add	485.43	
		For >80 Hours Usage Per Week, Add	970.86	
01 22 23 00-1087	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,783.89	
		For >160 To 320 Hours Usage Per Month, Add	1,513.56	
		For >320 Hours Usage Per Month, Add	3,027.11	
01 22 23 00-1088	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	653.47	
		For >8 To 16 Hours Usage Per Day, Add	261.39	
		For >16 To 24 Hours Usage Per Day, Add	522.78	
01 22 23 00-1089	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,628.48	
		For >40 To 80 Hours Usage Per Week, Add	651.39	
		For >80 Hours Usage Per Week, Add	1,302.78	
01 22 23 00-1090	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,429.06	
		For >160 To 320 Hours Usage Per Month, Add	1,771.62	
		For >320 Hours Usage Per Month, Add	3,543.25	
01 22 23 00-1091	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	788.31	
		For >8 To 16 Hours Usage Per Day, Add	315.32	
		For >16 To 24 Hours Usage Per Day, Add	630.65	
01 22 23 00-1092	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,331.74	
		For >40 To 80 Hours Usage Per Week, Add	932.70	
		For >80 Hours Usage Per Week, Add	1,865.39	
01 22 23 00-1093	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,503.56	
		For >160 To 320 Hours Usage Per Month, Add	2,601.42	
		For >320 Hours Usage Per Month, Add	5,202.85	
01 22 23 00-1094	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,186.61	
		For >8 To 16 Hours Usage Per Day, Add	474.64	
		For >16 To 24 Hours Usage Per Day, Add	949.29	
01 22 23 00-1095	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,030.84	
		For >40 To 80 Hours Usage Per Week, Add	1,212.34	
		For >80 Hours Usage Per Week, Add	2,424.67	
01 22 23 00-1096	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	8,899.60	
		For >160 To 320 Hours Usage Per Month, Add	3,559.84	
		For >320 Hours Usage Per Month, Add	7,119.68	
01 22 23 00-1097 3 Phase Electric Submersible Pumps (01 22 23 00-1046)				
Note: Includes delivery, set-up, and removal. Excludes operator.				
01 22 23 00-1098	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	207.45	
01 22 23 00-1099	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	518.62	
01 22 23 00-1100	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,555.88	
01 22 23 00-1101	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	273.83	
01 22 23 00-1102	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	684.58	
01 22 23 00-1103	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	2,053.76	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 22 23 00-1104 Suction Hose With Couplings (01 22 23 00-1046)

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

01 22 23 00-1105	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.43
		<i>For Half Day Usage, Deduct</i>	-2.01
01 22 23 00-1106	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.08
01 22 23 00-1107	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	49.32
01 22 23 00-1108	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	17.15
		<i>For Half Day Usage, Deduct</i>	-5.36
01 22 23 00-1109	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	43.96
01 22 23 00-1110	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	134.01
01 22 23 00-1111	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	25.73
		<i>For Half Day Usage, Deduct</i>	-8.04
01 22 23 00-1112	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	65.40
01 22 23 00-1113	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	198.34
01 22 23 00-1114	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	32.16
		<i>For Half Day Usage, Deduct</i>	-10.05
01 22 23 00-1115	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	80.41
01 22 23 00-1116	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	235.86
01 22 23 00-1117	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	75.05
		<i>For Half Day Usage, Deduct</i>	-23.45
01 22 23 00-1118	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	192.98
01 22 23 00-1119	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	568.21
01 22 23 00-1120	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	100.78
		<i>For Half Day Usage, Deduct</i>	-31.49
01 22 23 00-1121	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	219.78
01 22 23 00-1122	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	659.34

01 22 23 00-1123 Discharge Hose With Couplings (01 22 23 00-1046)

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

01 22 23 00-1124	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.43
		<i>For Half Day Usage, Deduct</i>	-2.01
01 22 23 00-1125	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.08
01 22 23 00-1126	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	49.32
01 22 23 00-1127	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.50
		<i>For Half Day Usage, Deduct</i>	-2.34
01 22 23 00-1128	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.23
01 22 23 00-1129	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	56.82
01 22 23 00-1130	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.58
		<i>For Half Day Usage, Deduct</i>	-2.68
01 22 23 00-1131	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.44
01 22 23 00-1132	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.40
01 22 23 00-1133	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.51
		<i>For Half Day Usage, Deduct</i>	-7.03
01 22 23 00-1134	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	57.89
01 22 23 00-1135	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	166.18
01 22 23 00-1136	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	27.87
		<i>For Half Day Usage, Deduct</i>	-8.71
01 22 23 00-1137	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	76.12
01 22 23 00-1138	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	209.06
01 22 23 00-1139	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	21.44
		<i>For Half Day Usage, Deduct</i>	-6.70
01 22 23 00-1140	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	53.60
01 22 23 00-1141	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	160.82
01 22 23 00-1142	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	54.68
		<i>For Half Day Usage, Deduct</i>	-17.09
01 22 23 00-1143	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	139.37
01 22 23 00-1144	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	412.76

01 22 23 00-1145 Hydraulic Submersible Pumps (01 22 23 00-1046)

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

01 22 23 00-1146 Hydraulic Submersible Pumps (01 22 23 00-1145)

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

01 22 23 00-1147	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	136.92
		<i>For >8 To 16 Hours Usage Per Day, Add</i>	54.77
		<i>For >16 To 24 Hours Usage Per Day, Add</i>	109.54
01 22 23 00-1148	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	367.19
		<i>For >40 To 80 Hours Usage Per Week, Add</i>	146.88
		<i>For >80 Hours Usage Per Week, Add</i>	293.75
01 22 23 00-1149	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	1,026.88
		<i>For >160 To 320 Hours Usage Per Month, Add</i>	410.75
		<i>For >320 Hours Usage Per Month, Add</i>	821.50
01 22 23 00-1150	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	174.26
		<i>For >8 To 16 Hours Usage Per Day, Add</i>	69.70
		<i>For >16 To 24 Hours Usage Per Day, Add</i>	139.41
01 22 23 00-1151	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	448.09
		<i>For >40 To 80 Hours Usage Per Week, Add</i>	179.24
		<i>For >80 Hours Usage Per Week, Add</i>	358.47
01 22 23 00-1152	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,369.17
		<i>For >160 To 320 Hours Usage Per Month, Add</i>	547.67
		<i>For >320 Hours Usage Per Month, Add</i>	1,095.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1153 Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-1145)

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

01 22 23 00-1154	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	316.36	
		For >8 To 16 Hours Usage Per Day, Add.....	126.54	
		For >16 To 24 Hours Usage Per Day, Add.....	253.09	
01 22 23 00-1155	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	943.90	
		For >40 To 80 Hours Usage Per Week, Add.....	377.56	
		For >80 Hours Usage Per Week, Add.....	755.12	
01 22 23 00-1156	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	2,489.40	
		For >160 To 320 Hours Usage Per Month, Add.....	995.76	
		For >320 Hours Usage Per Month, Add.....	1,991.52	

01 22 23 00-1157 HDPE Pipe With Couplings (01 22 23 00-1046)

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

01 22 23 00-1158	DAY	4" x 50' HDPE Pipe With Couplings.....	18.42	
		For Half Day Usage, Deduct.....	-5.76	
01 22 23 00-1159	WK	4" x 50' HDPE Pipe With Couplings.....	44.21	
01 22 23 00-1160	MO	4" x 50' HDPE Pipe With Couplings.....	136.30	
01 22 23 00-1161	DAY	6" x 50' HDPE Pipe With Couplings.....	29.47	
		For Half Day Usage, Deduct.....	-9.21	
01 22 23 00-1162	WK	6" x 50' HDPE Pipe With Couplings.....	73.68	
01 22 23 00-1163	MO	6" x 50' HDPE Pipe With Couplings.....	224.71	
01 22 23 00-1164	DAY	8" x 50' HDPE Pipe With Couplings.....	47.89	
		For Half Day Usage, Deduct.....	-14.97	
01 22 23 00-1165	WK	8" x 50' HDPE Pipe With Couplings.....	125.25	
01 22 23 00-1166	MO	8" x 50' HDPE Pipe With Couplings.....	372.06	
01 22 23 00-1167	DAY	10" x 50' HDPE Pipe With Couplings.....	58.94	
		For Half Day Usage, Deduct.....	-18.42	
01 22 23 00-1168	WK	10" x 50' HDPE Pipe With Couplings.....	151.04	
01 22 23 00-1169	MO	10" x 50' HDPE Pipe With Couplings.....	460.48	
01 22 23 00-1170	DAY	12" x 20' HDPE Pipe With Couplings.....	44.21	
		For Half Day Usage, Deduct.....	-13.82	
01 22 23 00-1171	WK	12" x 20' HDPE Pipe With Couplings.....	121.57	
01 22 23 00-1172	MO	12" x 20' HDPE Pipe With Couplings.....	368.38	
01 22 23 00-1173	DAY	4" Elbow For HDPE Pipe, Quick Connect.....	44.21	
		For Half Day Usage, Deduct.....	-13.82	
01 22 23 00-1174	WK	4" Elbow For HDPE Pipe, Quick Connect.....	114.20	
01 22 23 00-1175	MO	4" Elbow For HDPE Pipe, Quick Connect.....	338.91	
01 22 23 00-1176	DAY	6" Elbow For HDPE Pipe, Quick Connect.....	51.57	
		For Half Day Usage, Deduct.....	-16.12	
01 22 23 00-1177	WK	6" Elbow For HDPE Pipe, Quick Connect.....	132.62	
01 22 23 00-1178	MO	6" Elbow For HDPE Pipe, Quick Connect.....	405.22	
01 22 23 00-1179	DAY	8" Elbow For HDPE Pipe, Quick Connect.....	58.94	
		For Half Day Usage, Deduct.....	-18.42	
01 22 23 00-1180	WK	8" Elbow For HDPE Pipe, Quick Connect.....	151.04	
01 22 23 00-1181	MO	8" Elbow For HDPE Pipe, Quick Connect.....	460.48	
01 22 23 00-1182	DAY	10" Elbow For HDPE Pipe, Quick Connect.....	73.68	
		For Half Day Usage, Deduct.....	-23.03	
01 22 23 00-1183	WK	10" Elbow For HDPE Pipe, Quick Connect.....	187.87	
01 22 23 00-1184	MO	10" Elbow For HDPE Pipe, Quick Connect.....	570.99	
01 22 23 00-1185	DAY	12" Elbow For HDPE Pipe, Quick Connect.....	73.68	
		For Half Day Usage, Deduct.....	-23.03	
01 22 23 00-1186	WK	12" Elbow For HDPE Pipe, Quick Connect.....	187.87	
01 22 23 00-1187	MO	12" Elbow For HDPE Pipe, Quick Connect.....	570.99	
01 22 23 00-1188	DAY	4" Tee For HDPE Pipe, Quick Connect.....	44.21	
		For Half Day Usage, Deduct.....	-13.82	
01 22 23 00-1189	WK	4" Tee For HDPE Pipe, Quick Connect.....	114.20	
01 22 23 00-1190	MO	4" Tee For HDPE Pipe, Quick Connect.....	338.91	
01 22 23 00-1191	DAY	6" Tee For HDPE Pipe, Quick Connect.....	58.94	
		For Half Day Usage, Deduct.....	-18.42	
01 22 23 00-1192	WK	6" Tee For HDPE Pipe, Quick Connect.....	151.04	
01 22 23 00-1193	MO	6" Tee For HDPE Pipe, Quick Connect.....	460.48	
01 22 23 00-1194	DAY	8" Tee For HDPE Pipe, Quick Connect.....	73.68	
		For Half Day Usage, Deduct.....	-23.03	
01 22 23 00-1195	WK	8" Tee For HDPE Pipe, Quick Connect.....	187.87	
01 22 23 00-1196	MO	8" Tee For HDPE Pipe, Quick Connect.....	570.99	
01 22 23 00-1197	DAY	10" Tee For HDPE Pipe, Quick Connect.....	88.41	
		For Half Day Usage, Deduct.....	-27.63	
01 22 23 00-1198	WK	10" Tee For HDPE Pipe, Quick Connect.....	224.71	
01 22 23 00-1199	MO	10" Tee For HDPE Pipe, Quick Connect.....	681.50	
01 22 23 00-1200	DAY	12" Tee For HDPE Pipe, Quick Connect.....	88.41	
		For Half Day Usage, Deduct.....	-27.63	
01 22 23 00-1201	WK	12" Tee For HDPE Pipe, Quick Connect.....	224.71	
01 22 23 00-1202	MO	12" Tee For HDPE Pipe, Quick Connect.....	681.50	
01 22 23 00-1203	DAY	4" Cap For HDPE Pipe, Quick Connect.....	7.37	
		For Half Day Usage, Deduct.....	-2.30	
01 22 23 00-1204	WK	4" Cap For HDPE Pipe, Quick Connect.....	22.10	
01 22 23 00-1205	MO	4" Cap For HDPE Pipe, Quick Connect.....	66.31	
01 22 23 00-1206	DAY	6" Cap For HDPE Pipe, Quick Connect.....	7.37	
		For Half Day Usage, Deduct.....	-2.30	
01 22 23 00-1207	WK	6" Cap For HDPE Pipe, Quick Connect.....	22.10	
01 22 23 00-1208	MO	6" Cap For HDPE Pipe, Quick Connect.....	66.31	
01 22 23 00-1209	DAY	8" Cap For HDPE Pipe, Quick Connect.....	7.37	
		For Half Day Usage, Deduct.....	-2.30	
01 22 23 00-1210	WK	8" Cap For HDPE Pipe, Quick Connect.....	22.10	
01 22 23 00-1211	MO	8" Cap For HDPE Pipe, Quick Connect.....	66.31	

01	General Requirements
01 20	Price and Payment Procedures
01 22	Unit Prices

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1212	DAY	10" Cap For HDPE Pipe, Quick Connect	7.37	
		<i>For Half Day Usage, Deduct</i>	-2.30	
01 22 23 00-1213	WK	10" Cap For HDPE Pipe, Quick Connect	22.10	
01 22 23 00-1214	MO	10" Cap For HDPE Pipe, Quick Connect	66.31	
01 22 23 00-1215	DAY	12" Cap For HDPE Pipe, Quick Connect	7.37	
		<i>For Half Day Usage, Deduct</i>	-2.30	
01 22 23 00-1216	WK	12" Cap For HDPE Pipe, Quick Connect	22.10	
01 22 23 00-1217	MO	12" Cap For HDPE Pipe, Quick Connect	66.31	
01 22 23 00-1218	DAY	4" Wye For HDPE Pipe, Quick Connect	22.10	
		<i>For Half Day Usage, Deduct</i>	-6.91	
01 22 23 00-1219	WK	4" Wye For HDPE Pipe, Quick Connect	55.26	
01 22 23 00-1220	MO	4" Wye For HDPE Pipe, Quick Connect	169.45	
01 22 23 00-1221	DAY	6" Wye For HDPE Pipe, Quick Connect	25.79	
		<i>For Half Day Usage, Deduct</i>	-8.06	
01 22 23 00-1222	WK	6" Wye For HDPE Pipe, Quick Connect	66.31	
01 22 23 00-1223	MO	6" Wye For HDPE Pipe, Quick Connect	202.61	
01 22 23 00-1224	DAY	8" Wye For HDPE Pipe, Quick Connect	44.21	
		<i>For Half Day Usage, Deduct</i>	-13.82	
01 22 23 00-1225	WK	8" Wye For HDPE Pipe, Quick Connect	114.20	
01 22 23 00-1226	MO	8" Wye For HDPE Pipe, Quick Connect	338.91	
01 22 23 00-1227	DAY	10" Wye For HDPE Pipe, Quick Connect	66.31	
		<i>For Half Day Usage, Deduct</i>	-20.72	
01 22 23 00-1228	WK	10" Wye For HDPE Pipe, Quick Connect	169.45	
01 22 23 00-1229	MO	10" Wye For HDPE Pipe, Quick Connect	515.73	
01 22 23 00-1230	DAY	12" Wye For HDPE Pipe, Quick Connect	66.31	
		<i>For Half Day Usage, Deduct</i>	-20.72	
01 22 23 00-1231	WK	12" Wye For HDPE Pipe, Quick Connect	169.45	
01 22 23 00-1232	MO	12" Wye For HDPE Pipe, Quick Connect	515.73	

01 22 23 00-1233 Temporary Building Services (01 22 23)

01 22 23 00-1234 Boilers (01 22 23 00-1233)

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

01 22 23 00-1235 Electric Boilers (01 22 23 00-1234)

01 22 23 00-1236	MO	40 MBH, 12 KW Electric Boiler Rental	2,871.84	
01 22 23 00-1237	MO	60 MBH, 20 KW Electric Boiler Rental	3,132.95	
01 22 23 00-1238	MO	95 MBH, 30 KW Electric Boiler Rental	3,263.51	
01 22 23 00-1239	MO	135 MBH, 40 KW Electric Boiler Rental	3,655.06	
01 22 23 00-1240	MO	165 MBH, 50 KW Electric Boiler Rental	5,090.98	
01 22 23 00-1241	MO	215 MBH, 60 KW Electric Boiler Rental	5,874.23	
01 22 23 00-1242	MO	365 MBH, 100 KW Electric Boiler Rental	7,701.83	
01 22 23 00-1243	MO	510 MBH, 150 KW Electric Boiler Rental	9,398.85	

01 22 23 00-1244 Oil/Gas Fired Boilers (01 22 23 00-1234)

01 22 23 00-1245	MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental	2,526.50	
01 22 23 00-1246	MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental	3,284.45	
01 22 23 00-1247	MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental	5,305.65	
01 22 23 00-1248	MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental	7,326.85	

01 22 23 00-1249 Oil Fired Boilers (01 22 23 00-1234)

01 22 23 00-1250	MO	250 HP Oil Fired Boiler Rental	8,065.57	
01 22 23 00-1251	MO	350 HP Oil Fired Boiler Rental	10,754.10	
01 22 23 00-1252	MO	500 HP Oil Fired Boiler Rental	13,442.62	
01 22 23 00-1253	MO	600 HP Oil Fired Boiler Rental	14,786.89	

01 22 23 00-1254 Boilers Setup (01 22 23 00-1234)

01 22 23 00-1255	EA	Setup Rental Boiler	8,007.46	
		Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		

01 22 23 00-1256 Chillers (01 22 23 00-1233)

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

01 22 23 00-1257 Air-Cooled Chillers (01 22 23 00-1256)

01 22 23 00-1258	MO	25 Ton Air-Cooled Chiller Rental	2,542.48	
		<i>For >3 To 6 Month Rental, Deduct</i>	-381.37	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-635.62	
01 22 23 00-1259	MO	40 Ton Air-Cooled Chiller Rental	4,067.98	
		<i>For >3 To 6 Month Rental, Deduct</i>	-610.20	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,017.00	
01 22 23 00-1260	MO	60 Ton Air-Cooled Chiller Rental	4,975.60	
		<i>For >3 To 6 Month Rental, Deduct</i>	-746.34	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,243.90	
01 22 23 00-1261	MO	80 Ton Air-Cooled Chiller Rental	5,883.22	
		<i>For >3 To 6 Month Rental, Deduct</i>	-882.48	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,470.81	
01 22 23 00-1262	MO	100 Ton Air-Cooled Chiller Rental	6,790.84	
		<i>For >3 To 6 Month Rental, Deduct</i>	-1,018.63	
		<i>For >6 Months (>26 Weeks), Deduct</i>	-1,697.71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1263	MO	125 Ton Air-Cooled Chiller Rental	7,867.32	
		For >3 To 6 Month Rental, Deduct	-1,180.10	
		For >6 Months (>26 Weeks), Deduct	-1,966.83	
01 22 23 00-1264	MO	155 Ton Air-Cooled Chiller Rental	9,517.53	
		For >3 To 6 Month Rental, Deduct	-1,427.63	
		For >6 Months (>26 Weeks), Deduct	-2,379.38	
01 22 23 00-1265	MO	170 Ton Air-Cooled Chiller Rental	10,177.62	
		For >3 To 6 Month Rental, Deduct	-1,526.64	
		For >6 Months (>26 Weeks), Deduct	-2,544.41	
01 22 23 00-1266	MO	200 Ton Air-Cooled Chiller Rental	11,691.60	
		For >3 To 6 Month Rental, Deduct	-1,753.74	
		For >6 Months (>26 Weeks), Deduct	-2,922.90	
01 22 23 00-1267	MO	250 Ton Air-Cooled Chiller Rental	13,911.73	
		For >3 To 6 Month Rental, Deduct	-2,086.76	
		For >6 Months (>26 Weeks), Deduct	-3,477.93	
01 22 23 00-1268	MO	300 Ton Air-Cooled Chiller Rental	16,233.54	
		Note: Includes trailer.		
		For >3 To 6 Month Rental, Deduct	-2,435.03	
		For >6 Months (>26 Weeks), Deduct	-4,058.39	
01 22 23 00-1269	MO	400 Ton Air-Cooled Chiller Rental	21,414.46	
		Note: Includes trailer, pump and 200' of 6" hose.		
		For >3 To 6 Month Rental, Deduct	-3,212.17	
		For >6 Months (>26 Weeks), Deduct	-5,353.62	
01 22 23 00-1270	MO	500 Ton Air-Cooled Chiller Rental	26,507.11	
		Note: Includes trailer, pump and 200' of 6" hose.		
		For >3 To 6 Month Rental, Deduct	-3,976.07	
		For >6 Months (>26 Weeks), Deduct	-6,626.78	
01 22 23 00-1271	EA	Setup Air-Cooled Chiller Rental Unit.....	5,566.16	
		Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.		
01 22 23 00-1272		Chiller Rental Accessories (01 22 23 00-1256)		
01 22 23 00-1273	MO	4" x 25' Flexible Water Hose For Chiller Rental	45.30	
01 22 23 00-1274	MO	6" x 25' Flexible Water Hose For Chiller Rental	56.63	
01 22 23 00-1275		Cooling Tower (01 22 23 00-1233)		
		Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1276	MO	100 Ton Cooling Tower Rental	3,688.22	
		For >3 To 6 Months Rental, Deduct	-553.23	
		For >6 Months (>26 Weeks), Deduct	-922.06	
01 22 23 00-1277	MO	200 Ton Cooling Tower Rental	6,714.00	
		For >3 To 6 Months Rental, Deduct	-1,007.10	
		For >6 Months (>26 Weeks), Deduct	-1,678.50	
01 22 23 00-1278	MO	250 Ton Cooling Tower Rental	7,603.29	
		For >3 To 6 Months Rental, Deduct	-1,140.49	
		For >6 Months (>26 Weeks), Deduct	-1,900.82	
01 22 23 00-1279	MO	300 Ton Cooling Tower Rental	8,593.92	
		For >3 To 6 Months Rental, Deduct	-1,289.09	
		For >6 Months (>26 Weeks), Deduct	-2,148.48	
01 22 23 00-1280	MO	400 Ton Cooling Tower Rental	10,742.40	
		For >3 To 6 Months Rental, Deduct	-1,611.36	
		For >6 Months (>26 Weeks), Deduct	-2,685.60	
01 22 23 00-1281	MO	500 Ton Cooling Tower Rental	12,559.71	
		For >3 To 6 Months Rental, Deduct	-1,883.96	
		For >6 Months (>26 Weeks), Deduct	-3,139.93	
01 22 23 00-1282	MO	Setup Rental Cooling Tower	5,566.16	
		Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1283		Emergency Cooler/Freezer (01 22 23 00-1233)		
		Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1284	DAY	8 x 6 x 7 Emergency Cooler Rental	147.35	
		For Half Day Usage, Deduct	-46.05	
01 22 23 00-1285	WK	8 x 6 x 7 Emergency Cooler Rental	785.88	
01 22 23 00-1286	DAY	10 x 7 x 7 Emergency Cooler Rental	294.70	
		For Half Day Usage, Deduct	-92.09	
01 22 23 00-1287	WK	10 x 7 x 7 Emergency Cooler Rental	1,178.82	
01 22 23 00-1288	MO	10 x 7 x 7 Emergency Cooler Rental	2,947.05	
01 22 23 00-1289	DAY	10 x 7 x 7 Emergency Freezer Rental	343.82	
		For Half Day Usage, Deduct	-107.44	
01 22 23 00-1290	WK	10 x 7 x 7 Emergency Freezer Rental	1,375.29	
01 22 23 00-1291	MO	10 x 7 x 7 Emergency Freezer Rental	3,536.46	
01 22 23 00-1292	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	392.94	
		For Half Day Usage, Deduct	-122.79	
01 22 23 00-1293	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,571.76	
01 22 23 00-1294	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	3,929.40	
01 22 23 00-1295		Fuel Oil Tank (01 22 23 00-1233)		
		Note: Excludes delivery to job site and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0779 for reimbursable fuel fees.		
01 22 23 00-1296	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	396.94	
01 22 23 00-1297	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	617.46	
01 22 23 00-1298	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,543.66	

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MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 22 23 00-1299	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,572.76
01 22 23 00-1300	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,396.05
01 22 23 00-1301	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,066.82

01 22 23 00-1302 Portable Spot Cooling Units (01 22 23 00-1233)

Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal.

01 22 23 00-1303	DAY	1 Ton Portable Spot Cooling Unit	186.19
		<i>For Half Day Usage, Deduct</i>	-58.18
01 22 23 00-1304	WK	1 Ton Portable Spot Cooling Unit	403.40
01 22 23 00-1305	MO	1 Ton Portable Spot Cooling Unit	953.61
01 22 23 00-1306	DAY	1.5 Ton Portable Spot Cooling Unit	243.47
		<i>For Half Day Usage, Deduct</i>	-76.08
01 22 23 00-1307	WK	1.5 Ton Portable Spot Cooling Unit	500.08
01 22 23 00-1308	MO	1.5 Ton Portable Spot Cooling Unit	1,173.21
01 22 23 00-1309	DAY	2 Ton Portable Spot Cooling Unit	328.21
		<i>For Half Day Usage, Deduct</i>	-102.57
01 22 23 00-1310	WK	2 Ton Portable Spot Cooling Unit	686.26
01 22 23 00-1311	MO	2 Ton Portable Spot Cooling Unit	1,271.08
01 22 23 00-1312	DAY	3 Ton Portable Spot Cooling Unit	343.73
		<i>For Half Day Usage, Deduct</i>	-107.42
01 22 23 00-1313	WK	3 Ton Portable Spot Cooling Unit	728.04
01 22 23 00-1314	MO	3 Ton Portable Spot Cooling Unit	1,608.84
01 22 23 00-1315	DAY	5 Ton Portable Spot Cooling Unit	537.08
		<i>For Half Day Usage, Deduct</i>	-167.84
01 22 23 00-1316	WK	5 Ton Portable Spot Cooling Unit	1,086.08
01 22 23 00-1317	MO	5 Ton Portable Spot Cooling Unit	2,256.91
01 22 23 00-1318	DAY	10 To 12 Ton Portable Spot Cooling Unit	701.78
		<i>For Half Day Usage, Deduct</i>	-219.31
01 22 23 00-1319	WK	10 To 12 Ton Portable Spot Cooling Unit	1,581.39
01 22 23 00-1320	MO	10 To 12 Ton Portable Spot Cooling Unit	3,816.81
01 22 23 00-1321	DAY	20 Ton Portable Spot Cooling Unit	805.61
		<i>For Half Day Usage, Deduct</i>	-251.75
01 22 23 00-1322	WK	20 Ton Portable Spot Cooling Unit	1,849.92
01 22 23 00-1323	MO	20 Ton Portable Spot Cooling Unit	5,155.92
01 22 23 00-1324	DAY	25 Ton Portable Spot Cooling Unit	1,145.76
		<i>For Half Day Usage, Deduct</i>	-358.05
01 22 23 00-1325	WK	25 Ton Portable Spot Cooling Unit	2,321.36
01 22 23 00-1326	MO	25 Ton Portable Spot Cooling Unit	5,400.59
01 22 23 00-1327	EA	Setup Rental Of Up To 5 Ton Portable Spot Cooler	265.16
		Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.	
01 22 23 00-1328	EA	Setup Rental Of 10 To 15 Ton Portable Spot Cooler	610.70
		Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.	
01 22 23 00-1329	EA	Setup Rental Of 20 To 25 Ton Portable Spot Cooler	886.33
		Note: Includes delivery, setup, connection to power outlet and connection to duct and removal. Excludes electrical wiring.	

01 22 23 00-1330 Air Handling Unit (AHU) (01 22 23 00-1233)

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

01 22 23 00-1331 Air Handling Unit (AHU) (01 22 23 00-1330)

01 22 23 00-1332	MO	5,000 CFM Air Handling Unit Rental	3,154.10
		<i>For >6 Months (>26 Weeks), Deduct</i>	-126.16
01 22 23 00-1333	MO	10,000 CFM Air Handling Unit Rental	3,261.42
		<i>For >6 Months (>26 Weeks), Deduct</i>	-130.46
01 22 23 00-1334	MO	25,000 CFM Air Handling Unit Rental	5,359.59
		<i>For >6 Months (>26 Weeks), Deduct</i>	-214.38

01 22 23 00-1335 Air Handling Unit Setup (01 22 23 00-1330)

01 22 23 00-1336	EA	Setup Rental Air Handling Unit	1,113.40
		Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	
01 22 23 00-1337	MO	12" x 100' Flex Duct For AHU Rental	308.67
		Note: Includes four (4) 25' sections.	
01 22 23 00-1338	MO	20" x 100' Flex Duct For AHU Rental	373.23
		Note: Includes four (4) 25' sections.	

01 22 23 00-1339 Truck And Trailer Equipment (01 22 23)

01 22 23 00-1340 Trucks (01 22 23 00-1339)

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

01 22 23 00-1341 Flat Bed Trucks (01 22 23 00-1340)

Note: Includes hydraulic tilt bed.

01 22 23 00-1342	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,103.88
		<i>For Equipment Without Operator, Deduct</i>	-799.48
		<i>For Half Day Usage, Deduct</i>	-494.87
01 22 23 00-1343	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,795.41
		<i>For Equipment Without Operator, Deduct</i>	-3,997.39
01 22 23 00-1344	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	19,337.64
		<i>For Equipment Without Operator, Deduct</i>	-17,322.02

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1345	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,235.51	
		For Equipment Without Operator, Deduct	-799.48	
		For Half Day Usage, Deduct	-536.00	
01 22 23 00-1346	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,132.72	
		For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1347	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	20,201.47	
		For Equipment Without Operator, Deduct	-17,322.02	
01 22 23 00-1348	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,329.96	
		For Equipment Without Operator, Deduct	-799.48	
		For Half Day Usage, Deduct	-565.52	
01 22 23 00-1349	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,493.72	
		For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1350	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	21,575.38	
		For Equipment Without Operator, Deduct	-17,322.02	
01 22 23 00-1351 Boom Trucks (01 22 23 00-1340)				
01 22 23 00-1352	DAY	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	1,366.32	
		For Equipment Without Operator, Deduct	-799.48	
		For High Rail Equipment, Add	198.39	
		For Half Day Usage, Deduct	-576.88	
01 22 23 00-1353	WK	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	5,473.31	
		For Equipment Without Operator, Deduct	-3,997.39	
		For High Rail Equipment, Add	516.57	
01 22 23 00-1354	MO	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	21,065.30	
		For Equipment Without Operator, Deduct	-17,322.02	
		For High Rail Equipment, Add	1,310.15	
01 22 23 00-1355 Light Off-Road Utility Passenger Vehicles (01 22 23 00-1340)				
01 22 23 00-1356	DAY	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	309.84	
		For Half Day Usage, Deduct	-96.83	
01 22 23 00-1357	WK	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	716.50	
01 22 23 00-1358	MO	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	1,549.20	
01 22 23 00-1359	DAY	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	319.52	
		For Half Day Usage, Deduct	-99.85	
01 22 23 00-1360	WK	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	745.55	
01 22 23 00-1361	MO	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	1,646.02	
01 22 23 00-1362 Light And Heavy Duty Trucks (01 22 23 00-1340)				
01 22 23 00-1363	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	1,050.74	
		For Equipment Without Operator, Deduct	-792.29	
		For Half Day Usage, Deduct	-476.91	
01 22 23 00-1364	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	4,809.48	
		For Equipment Without Operator, Deduct	-3,961.45	
01 22 23 00-1365	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	18,943.11	
		For Equipment Without Operator, Deduct	-17,166.28	
01 22 23 00-1366	DAY	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	1,099.20	
		For Equipment Without Operator, Deduct	-792.29	
		For Half Day Usage, Deduct	-492.05	
01 22 23 00-1367	WK	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	4,954.86	
		For Equipment Without Operator, Deduct	-3,961.45	
01 22 23 00-1368	MO	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	19,266.17	
		For Equipment Without Operator, Deduct	-17,166.28	
01 22 23 00-1369 Rear Dump Trucks (01 22 23 00-1340)				
01 22 23 00-1370	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver	1,175.76	
		For Equipment Without Operator, Deduct	-799.48	
		For Half Day Usage, Deduct	-517.33	
01 22 23 00-1371	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver	4,991.26	
		For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1372	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver	20,364.98	
		For Equipment Without Operator, Deduct	-17,322.02	
01 22 23 00-1373	DAY	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	1,300.50	
		For Equipment Without Operator, Deduct	-799.48	
		For Half Day Usage, Deduct	-556.31	
01 22 23 00-1374	WK	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	5,377.77	
		For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1375	MO	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	20,900.77	
		For Equipment Without Operator, Deduct	-17,322.02	
01 22 23 00-1376	DAY	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	1,372.08	
		For Equipment Without Operator, Deduct	-799.48	
		For Half Day Usage, Deduct	-578.68	
01 22 23 00-1377	WK	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	5,531.14	
		For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1378	MO	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	21,003.02	
		For Equipment Without Operator, Deduct	-17,322.02	
01 22 23 00-1379	DAY	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	2,220.76	
		For Equipment Without Operator, Deduct	-799.48	
		For Half Day Usage, Deduct	-843.89	
01 22 23 00-1380	WK	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	7,279.61	
		For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1381	MO	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	25,911.02	
		For Equipment Without Operator, Deduct	-17,322.02	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1382	DAY	18 CY	Rear Dump Truck With Full-Time Truck Driver	2,362.88	
			For Equipment Without Operator, Deduct	-799.48	
			For Half Day Usage, Deduct	-888.30	
01 22 23 00-1383	WK	18 CY	Rear Dump Truck With Full-Time Truck Driver	7,607.84	
			For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1384	MO	18 CY	Rear Dump Truck With Full-Time Truck Driver	26,769.92	
			For Equipment Without Operator, Deduct	-17,322.02	
01 22 23 00-1385	Vacuum Trucks (01 22 23 00-1340)				
01 22 23 00-1386	DAY	5,000 Gallon	Vacuum Truck With Full-Time Truck Driver	2,210.53	
			For Equipment Without Operator, Deduct	-799.48	
			For Half Day Usage, Deduct	-840.69	
01 22 23 00-1387	WK	5,000 Gallon	Vacuum Truck With Full-Time Truck Driver	8,246.90	
			For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1388	MO	5,000 Gallon	Vacuum Truck With Full-Time Truck Driver	29,861.96	
			For Equipment Without Operator, Deduct	-17,322.02	
01 22 23 00-1389	Water Trucks (01 22 23 00-1340)				
	Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1123 for additional discharge hose, 01 22 23 00-1410 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.				
01 22 23 00-1390	DAY	2,000 Gallon	Water Truck With Full-Time Driver	1,439.74	
			For Equipment Without Operator, Deduct	-799.48	
			For Each 1,000 Gallon Of Purchased Water, Add	14.94	
			For Half Day Usage, Deduct	-599.82	
01 22 23 00-1391	WK	2,000 Gallon	Water Truck With Full-Time Driver	5,683.41	
			For Equipment Without Operator, Deduct	-3,997.39	
			For Each 1,000 Gallon Of Purchased Water, Add	14.94	
01 22 23 00-1392	MO	2,000 Gallon	Water Truck With Full-Time Driver	21,305.86	
			For Equipment Without Operator, Deduct	-17,322.02	
			For Each 1,000 Gallon Of Purchased Water, Add	14.94	
01 22 23 00-1393	DAY	3,700 To 4,000 Gallon	Water Truck With Full-Time Truck Driver	1,752.76	
			For Equipment Without Operator, Deduct	-799.48	
			For Each 1,000 Gallon Of Purchased Water, Add	14.94	
			For Half Day Usage, Deduct	-697.64	
01 22 23 00-1394	WK	3,700 To 4,000 Gallon	Water Truck With Full-Time Truck Driver	6,622.46	
			For Equipment Without Operator, Deduct	-3,997.39	
			For Each 1,000 Gallon Of Purchased Water, Add	14.94	
01 22 23 00-1395	MO	3,700 To 4,000 Gallon	Water Truck With Full-Time Truck Driver	23,724.62	
			For Equipment Without Operator, Deduct	-17,322.02	
			For Each 1,000 Gallon Of Purchased Water, Add	14.94	
01 22 23 00-1396	Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board (01 22 23 00-1340)				
01 22 23 00-1397	DAY		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,537.70	
			For Equipment Without Operator, Deduct	-792.29	
			For Half Day Usage, Deduct	-629.09	
01 22 23 00-1398	WK		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	6,161.37	
			For Equipment Without Operator, Deduct	-3,961.45	
01 22 23 00-1399	MO		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	22,508.71	
			For Equipment Without Operator, Deduct	-17,166.28	
01 22 23 00-1400	Straight/Box Trucks (01 22 23 00-1340)				
01 22 23 00-1401	DAY	18,000 Lb. Capacity, 24'	Straight/Box Truck With Full-Time Truck Driver	929.47	
			Note: Includes 2,500 Lb. lift gate.		
			For Equipment Without Operator, Deduct	-799.48	
			For Half Day Usage, Deduct	-440.36	
01 22 23 00-1402	WK	18,000 Lb. Capacity, 24'	Straight/Box Truck With Full-Time Truck Driver	4,647.32	
			Note: Includes 2,500 Lb. lift gate.		
			For Equipment Without Operator, Deduct	-3,997.39	
01 22 23 00-1403	MO	18,000 Lb. Capacity, 24'	Straight/Box Truck With Full-Time Truck Driver	19,240.56	
			Note: Includes 2,500 Lb. lift gate.		
			For Equipment Without Operator, Deduct	-17,322.02	
01 22 23 00-1404	Truck Mounted Accessories (01 22 23 00-1339)				
	Note: Includes delivery to job site and pick-up when complete.				
01 22 23 00-1405	Truck Mounted Arrow Boards (01 22 23 00-1404)				
01 22 23 00-1406	DAY		Truck Mounted Arrow Board	48.88	
			For Half Day Usage, Deduct	-15.28	
01 22 23 00-1407	WK		Truck Mounted Arrow Board	194.39	
01 22 23 00-1408	MO		Truck Mounted Arrow Board	693.14	
01 22 23 00-1409	Trailers (01 22 23 00-1339)				
	Note: Includes delivery to job site and pick-up when complete.				
01 22 23 00-1410	Water Trailers With Pump (01 22 23 00-1409)				
01 22 23 00-1411	DAY	500 To 600 Gallon	Water Trailer With Pump	163.62	
			For Half Day Usage, Deduct	-51.13	

			General Requirements	01	Σ
			Price and Payment Procedures	01 20	
			Unit Prices	01 22	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION
			UNIT COST		UNIT COST

01 22 23 00-1412	WK	500 To 600 Gallon Water Trailer With Pump	419.73		
01 22 23 00-1413	MO	500 To 600 Gallon Water Trailer With Pump	1,124.01		

01 30 Administrative Requirements ⁽⁰¹⁾

01 35 Special Procedures ^(01 30)

01 35 13 Special Project Procedures ^(01 35)

01 35 13 19 Special Project Procedures for Healthcare Facilities ^(01 35 13)

Note: For specification publishing. Review specifications for requirements.

01 35 13 19-0001	NTE	Special Project Procedures for Healthcare Facilities	0.00		
Note: For specification publishing. Review specifications for requirements.					

01 35 29 Health, Safety, and Emergency Response Procedures ^(01 35)

See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response ^(01 35 29)

See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0048 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0015 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	2.70		
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	5.40		

01 35 33 Infection Control Procedures ^(01 35)

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 35 33 00-0001 Infection Control Consumable Materials ^(01 35 33)

01 35 33 00-0002	EA	N95 Rated Masks	4.34		
01 35 33 00-0003	Pair	Black Nitrite Disposable Gloves	0.21		
01 35 33 00-0004	EA	Disposable 3-Ply Face Masks (Blue)	0.65		
01 35 33 00-0005	WK	Portable Hand Washing Station With 2 x Weekly Service	284.45		

01 35 33 00-0006 Infection Control Procedures ^(01 35 33)

Note: Contractors entering and working on job sites may be required to take precautions to prevent the spread of infectious diseases. Those precautions will reduce the amount of productive time during a normal workday. The recommended allowances in this section are intended to provide for the loss of productive time by increasing labor costs. The estimator should be aware that one, many or none of these precautions apply to the line items in an estimate. Job site requirements and sound judgement must be applied. Labor Cost implications are based upon: Temperature checks - Once per day; Donning / Doffing Masks and Gloves - Four times per day (2 times each); Washing hands (additional over normal) - Eight times per day; Informational meetings - Once per day; Maintaining social distance - Throughout the day; Disinfecting tools or equipment - Throughout the day

01 35 33 00-0007	NTE	Infection Control Procedures	0.00		
Note: For specification publishing. Review specifications for requirements.					

01 35 33 00-0008 Infection Prevention Inspection Reports ^(01 35 33)

01 35 33 00-0009	HR	Infection Prevention Inspection Reports	105.00		
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01 40 Quality Requirements ⁽⁰¹⁾

01 41 Regulatory Requirements ^(01 40)

01 41 26 Permit Requirements ^(01 41)

See CSI section 01 22 16 00-0001 for reimbursable fees.

01 42 References ^(01 40)

01 42 13 Abbreviations and Acronyms ^(01 42)

Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001	NTE	Abbreviations And Acronyms	0.00		
Note: For specification publishing. Review specifications for requirements.					

01 42 16 Definitions ^(01 42)

Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001	NTE	Definitions	0.00		
Note: For specification publishing. Review specifications for requirements.					

01 42 19 Reference Standards ^(01 42)

Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001	NTE	Reference Standards	0.00		
Note: For specification publishing. Review specifications for requirements.					

01 42 21 Construction Suppliers or Venor List ^(01 42)

Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001	NTE	Construction Suppliers or Venor List	0.00		
Note: For specification publishing. Review specifications for requirements.					

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
01 45 Quality Control (01 40)

Note: Refer to section specifications for testing included with other sections.

01 45 23 Testing and Inspecting Services (01 45)

Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001 Concrete/Cement/Asphalt Testing (01 45 23)**01 45 23 00-0002 Concrete Testing** (01 45 23 00-0001)

01 45 23 00-0003	EA	Concrete Cores Compression Test, ASTM C-42	148.40
01 45 23 00-0004	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	26.41
01 45 23 00-0005	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	72.55
01 45 23 00-0006	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	216.88
01 45 23 00-0007	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	79.90
01 45 23 00-0008	EA	Concrete Mix Design Review	433.77
01 45 23 00-0009	EA	Trial Concrete Batch Prepared In Laboratory	1,027.35
01 45 23 00-0010	EA	Concrete Shrinkage, ASTM C-157 Modified	799.05
01 45 23 00-0011	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	123.28
01 45 23 00-0012	EA	Concrete Slump Test, ASTM C143	57.08
01 45 23 00-0013	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	57.08

01 45 23 00-0014 Cement Testing (01 45 23 00-0001)

01 45 23 00-0015	EA	Cement Grab Sample (CCR Title 24)	57.08
Note: Includes sealing and storing 1 year.			
01 45 23 00-0016	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	91.32

01 45 23 00-0017 Asphaltic Concrete Testing (01 45 23 00-0001)

01 45 23 00-0018	EA	Hveem Asphaltic Concrete Stability Test, CA 366	114.15
01 45 23 00-0019	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	296.79
01 45 23 00-0020	EA	Stability Tests, Premixed, ASTM D1559	114.15
01 45 23 00-0021	EA	Stability Tests, Lab. Mixed, ASTM D1559	296.79
01 45 23 00-0022	EA	Swell Test, CA 305	136.98
Note: Includes compaction.			
01 45 23 00-0023	EA	% Asphalt Extraction Test, ASTM D-2172 B	342.45
01 45 23 00-0024	EA	Maximum Theoretical Unit Weight, ASTM C2041	217.65
01 45 23 00-0025	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	45.66
01 45 23 00-0026	EA	Asphalt Unit Weight On Core Test, CA 308C	45.66
01 45 23 00-0027	HR	Nuclear Field Density Testing, 4 Hour Minimum	235.15
01 45 23 00-0028	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	117.30
01 45 23 00-0029	EA	Penetration, ASTM D5	164.90

01 45 23 00-0030 Metals Testing (01 45 23)**01 45 23 00-0031 Tank Tightness Testing** (01 45 23 00-0030)

01 45 23 00-0032	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	9.09
01 45 23 00-0033	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	7.79
01 45 23 00-0034	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing	2,336.43
01 45 23 00-0035	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	2,854.72
01 45 23 00-0036	EA	>29,999 Gallons, Tank Volumetric Tightness Testing	3,635.61

01 45 23 00-0037 Tank Line Tightness Testing (01 45 23 00-0030)

01 45 23 00-0038	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	493.00
01 45 23 00-0039	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	547.43
01 45 23 00-0040	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	601.66

01 45 23 00-0041 Other Testing (01 45 23)**01 45 23 00-0042 Special Testing** (01 45 23 00-0041)

01 45 23 00-0043	EA	Asphalt Roofing Cutout Samples, To Determine Unit Weight	171.17
01 45 23 00-0044	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,027.00
01 45 23 00-0045	EA	Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	53.35
01 45 23 00-0046	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	221.30
01 45 23 00-0047	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	221.30
01 45 23 00-0048	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	221.30
01 45 23 00-0049	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,217.15
01 45 23 00-0050	EA	Testing And Certification Of Backflow Valves	596.20

01 45 23 00-0051 Non-destructive Field Testing Services (01 45 23 00-0041)**01 45 23 00-0052 Infrared Thermography** (01 45 23 00-0051)

Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.

01 45 23 00-0053 Roof Investigation And Moisture Survey Using Infrared Thermography (01 45 23 00-0052)

Note: For on the roof surveys.

01 45 23 00-0054	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	3,983.40
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0055 CSF Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography <i>For CADD Drawings, Add</i>	6.64 1.33	
01 45 23 00-0056 CSF >10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography <i>For CADD Drawings, Add</i>	4.43 0.89	
01 45 23 00-0057 CSF >50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography <i>For CADD Drawings, Add</i> <i>For Elevated Infrared Thermography Roof Investigation, Add</i> <i>For Aerial Infrared Thermography Roof Investigation, Add</i>	3.32 0.66 0.83 0.83	
01 45 23 00-0058 CSF >250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography <i>For CADD Drawings, Add</i> <i>For Elevated Infrared Thermography Roof Investigation, Add</i> <i>For Aerial Infrared Thermography Roof Investigation, Add</i>	2.21 0.44 0.55 0.55	
01 45 23 00-0059 Building Moisture Investigation Using Infrared Thermography (01 45 23 00-0052) Note: For finding moisture in walls and windows.		
01 45 23 00-0060 EA Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0061 CSF Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	6.64 3.32	
01 45 23 00-0062 CSF >1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	4.43 2.22	
01 45 23 00-0063 CSF >5,000 SF, Building Moisture Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	2.21 1.11	
01 45 23 00-0064 General Building Investigation Using Infrared Thermography (01 45 23 00-0052) Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0065 EA General Building Investigation Using Infrared Thermography, Mobilization Charge	4,315.35	
01 45 23 00-0066 CSF Up To 1,000 SF, General Building Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	6.64 3.32	
01 45 23 00-0067 CSF >1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	4.43 2.22	
01 45 23 00-0068 CSF >5,000 SF, General Building Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	2.21 1.11	
01 45 23 00-0069 Electrical /Mechanical Equipment Scanning Using Infrared Thermography (01 45 23 00-0052) Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0070 EA Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0071 HR Electrical /Mechanical Equipment Scanning Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	230.79 34.55	
01 45 23 00-0072 Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0052) Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0073 EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0074 CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	6.64 1.00	
01 45 23 00-0075 CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography <i>For Digital Or Analog Recording Of All Items, Add</i>	4.43 0.66	
01 45 23 00-0076 Other Non-destructive Field Testing Services (01 45 23 00-0051)		
01 45 23 00-0077 HR ASNT Certified Level I NDT Consultant	77.78	
01 45 23 00-0078 HR ASNT Certified Level II NDT Consultant	86.88	
01 45 23 00-0079 HR ASNT Certified Level III NDT Consultant	102.18	
01 45 23 00-0080 HR Certified Industrial Radiography Radiation Safety Personnel	117.00	
01 45 23 00-0081 Testing Professional Services (01 45 23 00-0041)		
01 45 23 00-0082 HR Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection	212.32	
01 45 23 00-0083 HR Laboratory Technician	205.47	
01 45 23 00-0084 HR Portable Digital Reinforcement Scanner	296.79	
01 45 23 00-0085 HR Subsurface Detection Radar System	502.26	
01 45 23 00-0086 HR Pavement Rehabilitation Analysis Using Deflectors	570.75	
01 45 23 00-0087 Concrete Slab Moisture Testing (01 45 23 00-0041)		
01 45 23 00-0088 EA Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	162.73	
01 45 23 00-0089 Soils/Aggregate Testing (01 45 23)		
01 45 23 00-0090 Field Soils Tests (01 45 23 00-0089)		
01 45 23 00-0091 EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	353.86	
01 45 23 00-0092 EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	502.26	
01 45 23 00-0093 EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	570.75	
01 45 23 00-0094 EA Resistance (R) Value Soils Test, CA 301, Field Soils Test	456.60	
01 45 23 00-0095 EA Soils Classification Test, ASTM D-2487, Field Soils Test	684.90	
01 45 23 00-0096 SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	1,369.34	
01 45 23 00-0097 EA Moisture Content, Field Soils Test	51.35	
01 45 23 00-0098 EA UBC Or Swell Test, Field Soils Test	136.98	
01 45 23 00-0099 EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	342.33	

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 45 23 00-0100	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	427.92
01 45 23 00-0101	EA	Density And Classification Test, Field Soils Test	104.27
01 45 23 00-0102	EA	Percolation Test, Field Soils Test	260.67
01 45 23 00-0103	EA	Infiltration Test, Field Soils Test	521.35

01 45 23 00-0104 Aggregate Testing (01 45 23 00-0089)

01 45 23 00-0105	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	114.15
01 45 23 00-0106	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	205.47
01 45 23 00-0107	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	285.38
01 45 23 00-0108	EA	Sieve Analysis, Pit Run, ASTM C136	169.44
Note: Includes wash.			
01 45 23 00-0109	EA	Specific Special Gravity, Course, ASTM C127	181.37
Note: Includes absorption test.			
01 45 23 00-0110	EA	Special Gravity, Fine, ASTM C127	162.61
Note: Includes absorption test.			
01 45 23 00-0111	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	241.83
01 45 23 00-0112	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	228.30
01 45 23 00-0113	EA	Aggregate Cleanliness Value, ASTM C-128, CA 227	228.30
01 45 23 00-0114	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	171.22
01 45 23 00-0115	EA	Fine Aggregate Durability Index, CA 229	182.64
01 45 23 00-0116	EA	Sodium And Magnesium Soundness, ASTM C88	479.27
01 45 23 00-0117	EA	Los Angeles Rattler, ASTM C-131, CA 211	365.28
01 45 23 00-0118	EA	Los Angeles Rattler, ASTM C-535	365.28
01 45 23 00-0119	EA	Unit Weight Of Aggregates, ASTM C29	102.74
01 45 23 00-0120	EA	Organic Impurities In Sand, ASTM C40	102.70
01 45 23 00-0121	EA	Crushed Particle, ASTM California Test Method	102.70
01 45 23 00-0122	EA	Clay Lump And Friable Particles, ASTM C142	205.40

01 45 23 00-0123 Permeability Tests (01 45 23 00-0089)**01 45 23 00-0124 In-Place Tests** (01 45 23 00-0123)

01 45 23 00-0125	EA	Double Ring Infiltrometer Test, ASTM D3385	1,813.72
01 45 23 00-0126	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	85.58

01 45 23 00-0127 Lab Tests (01 45 23 00-0123)

01 45 23 00-0128	EA	Falling Head Rigid Wall Consolidometer Technique CAE	846.40
01 45 23 00-0129	EA	Falling Head Permeability Test EPA-9100	846.40
01 45 23 00-0130	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	483.66

01 45 23 00-0131 Masonry/Concrete Block/Tile Testing (01 45 23)**01 45 23 00-0132 Masonry Testing** (01 45 23 00-0131)

01 45 23 00-0133	EA	2" x 4" Cylinder Mortar Compression Test	75.34
01 45 23 00-0134	EA	4" x 4" x 8" Grout Prisms Compression Test	75.34
01 45 23 00-0135	EA	Masonry Cores Compression Test	148.40
01 45 23 00-0136	EA	Composite Grouted Prism Compression Test	285.38

01 45 23 00-0137 Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0131)

01 45 23 00-0138	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	182.64
01 45 23 00-0139	EA	Absorption Test, Moisture Content And Unit Weight	125.56
01 45 23 00-0140	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	479.27
01 45 23 00-0141	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	239.63

01 45 29 Testing Laboratory Services (01 45)

Note: For application to existing materials/site conditions or additional testing over specifications stated tests.

01 45 29 00-0001 Soil Borings Laboratory Tests (01 45 29)

See CSI section 02 32 13 00-0000 for soil borings.

01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	157.19
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	50.15
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	120.92
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	846.40
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	132.70
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	36.27
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	22.53
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test	290.95
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	101.43
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	20.06
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test	1,002.97
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	202.87
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test	250.74
01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	464.14
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883	513.68
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	150.45
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test	167.16
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	358.78
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	76.89

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 50 Temporary Facilities and Controls ⁽⁰¹⁾

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

01 51 Temporary Utilities ^(01 50)

01 51 13 Temporary Electricity ^(01 51)

01 51 13 00-0001 Temporary Service Switch And/or Building Feeder Switch ^(01 51 13)

Note: Includes all connections and removal after use.

01 51 13 00-0002	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,615.41
01 51 13 00-0003	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,510.09
01 51 13 00-0004	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,590.53
01 51 13 00-0005	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	7,506.57

01 51 13 00-0006 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses ^(01 51 13)

Note: Includes mounting on wall and removal after use.

01 51 13 00-0007	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,660.03
01 51 13 00-0008	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	2,333.09
01 51 13 00-0009	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	3,646.30
01 51 13 00-0010	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	5,206.83

01 51 13 00-0011 Temporary Conduit And Cable For Temporary Disconnect (Safety) Switches And Temporary Panelboards ^(01 51 13)

Note: Includes all connections, fittings, supports and removal after use.

01 51 13 00-0012	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	12.18
01 51 13 00-0013	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	13.35

01 51 26 Temporary Lighting ^(01 51)

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

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light.....	294.89
01 51 26 00-0003	EA	Temporary 10 Light String With Cages.....	109.67
01 51 26 00-0004	EA	Temporary High Bay Light	416.90

01 52 Construction Facilities ^(01 50)

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

01 52 13 Field Offices and Sheds ^(01 52)

01 52 13 00-0001 Field Offices and Office Trailers ^(01 52 13)

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet.....	252.05
		For Each Delivery And Removal, Two Round Trips, Add	1,546.19
		For Each Set-Up (Block And Level), Add	831.92
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72
		For Knockdown, Add	772.38
		For Office Trailer Without Toilet, Deduct	-50.41
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet.....	285.65
		For Each Delivery And Removal, Two Round Trips, Add	1,546.19
		For Each Set-Up (Block And Level), Add	831.92
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72
		For Knockdown, Add	772.38
		For Office Trailer Without Toilet, Deduct	-57.13
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet.....	386.47
		For Each Delivery And Removal, Two Round Trips, Add	3,092.39
		For Each Set-Up (Block And Level), Add	1,306.68
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72
		For Knockdown, Add	1,155.43
		For Office Trailer Without Toilet, Deduct	-77.29
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet.....	411.68
		For Each Delivery And Removal, Two Round Trips, Add	3,092.39
		For Each Set-Up (Block And Level), Add	1,306.68
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72
		For Knockdown, Add	1,155.43
		For Office Trailer Without Toilet, Deduct	-82.34
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet.....	453.69
		For Each Delivery And Removal, Two Round Trips, Add	3,092.39
		For Each Set-Up (Block And Level), Add	1,306.68
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72
		For Knockdown, Add	1,155.43

01 General Requirements
01 50 Temporary Facilities and Controls
01 52 Construction Facilities

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet.....	478.89	
		For Each Delivery And Removal, Two Round Trips, Add	3,092.39	
		For Each Set-Up (Block And Level), Add	1,306.68	
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72	
		For Knockdown, Add	1,155.43	
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet.....	389.04	
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72	
		For Knockdown, Add	1,155.43	
		For Each Delivery And Removal, Two Round Trips, Add	758.12	
		For Each Set-Up (Block And Level), Add	587.88	
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet.....	520.13	
		For Each Delivery And Removal, Two Round Trips, Add	3,092.39	
		For Each Set-Up (Block And Level), Add	1,306.68	
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72	
		For Knockdown, Add	1,155.43	
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet.....	619.20	
		For Each Delivery And Removal, Two Round Trips, Add	3,092.39	
		For Each Set-Up (Block And Level), Add	1,306.68	
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72	
		For Knockdown, Add	1,155.43	
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet.....	856.12	
		For Each Delivery And Removal, Two Round Trips, Add	3,092.39	
		For Each Set-Up (Block And Level), Add	1,306.68	
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72	
		For Knockdown, Add	1,155.43	
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet.....	1,344.25	
		For Each Delivery And Removal, Two Round Trips, Add	4,638.58	
		For Each Set-Up (Block And Level), Add	2,331.18	
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72	
		For Knockdown, Add	2,317.15	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet.....	1,613.09	
		For Each Delivery And Removal, Two Round Trips, Add	4,638.58	
		For Each Set-Up (Block And Level), Add	2,331.18	
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72	
		For Knockdown, Add	2,317.15	
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet.....	843.31	
		For Each Delivery And Removal, Two Round Trips, Add	4,638.58	
		For Each Set-Up (Block And Level), Add	2,331.18	
		For Each Anchoring Into Dirt, Add Per Each Anchor	232.53	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	324.72	
		For Knockdown, Add	2,317.15	

01 52 13 00-0015 Storage Containers (01 52 13)

01 52 13 00-0016	MO	8' x 8' x 10' Storage Container	140.03	
		For Each Delivery And Removal, Two Round Trips, Add	116.51	
		For >12 Months, Deduct	-31.51	
01 52 13 00-0017	MO	8' x 8' x 20' Storage Container	146.40	
		For Each Delivery And Removal, Two Round Trips, Add	128.16	
		For >12 Months, Deduct	-32.94	
01 52 13 00-0018	MO	8' x 8' x 40' Storage Container	173.13	
		For Each Delivery And Removal, Two Round Trips, Add	258.11	
		For >12 Months, Deduct	-38.95	

01 52 19 Sanitary Facilities (01 52)

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

Note: Includes servicing once per week (unless task states otherwise).

01 52 19 00-0002	WK	Portable Chemical Toilet.....	70.86	
		For Each Additional Servicing Per Unit Per Week, Add	25.00	
		For Each Delivery And Set-up, Add	47.65	
01 52 19 00-0003	MO	Portable Chemical Toilet.....	212.57	
		For Each Additional Servicing Per Unit Per Week, Add	25.00	
		For Each Delivery And Set-up, Add	47.65	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	84.51	
		For Each Additional Servicing Per Unit Per Week, Add	25.00	
		For Each Delivery And Set-up, Add	47.65	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	248.00	
		For Each Additional Servicing Per Unit Per Week, Add	25.00	
		For Each Delivery And Set-up, Add	47.65	
01 52 19 00-0006	WK	Two Station Portable Handwash.....	56.43	
		For Each Delivery And Set-up, Add	47.65	
01 52 19 00-0007	MO	Two Station Portable Handwash.....	171.18	
		For Each Delivery And Set-up, Add	47.65	
01 52 19 00-0008	MO	6 Station, Portable Toilets, Multi Trailer	6,253.92	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
		For Each Delivery, Set-up And Removal, Two Round Trips, Add	1,222.79	
01 52 19 00-0009	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week.....	2,105.24	
		For One Additional Service Per Week, Add	701.74	
		Note: For one less service per week, UOM to be negative one (-1)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 53 Temporary Construction (01 50)

01 53 16 Temporary Decking (01 53)

01 53 16 00-0001 Temporary Walkways And Railings (01 53 16)

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	8.50	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	38.44	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	15.79	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	28.86	

01 53 23 Temporary Ramps (01 53)

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access (01 53 23)

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access.....	1.81	0.58
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01 54 Construction Aids (01 50)

01 54 09 Personnel Protection Equipment (01 54)

01 54 09 00-0001 Personnel Protection Equipment (01 54 09)

Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.

01 54 09 00-0002	NTE	Personnel Protection Equipment	0.00	
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Note: For specification publishing. Review specifications for requirements.

01 54 23 Temporary Scaffolding and Platforms (01 54)

01 54 23 00-0001 Scaffolding (01 54 23)

Note: Additional scaffolding rental for work above the normal working height.

01 54 23 00-0002 Scaffolding Rental - Rental Only (01 54 23 00-0001)

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month).....	44.13	
		For Up To 25, Add	17.65	
		For >25 To 50, Add	11.03	
		For >50 To 150, Add	4.41	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	49.62	
		For Up To 25, Add	19.85	
		For >25 To 50, Add	12.41	
		For >50 To 150, Add	4.96	
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month).....	66.19	
		For Up To 25, Add	26.48	
		For >25 To 50, Add	16.55	
		For >50 To 150, Add	6.62	

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

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

01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	52.11	
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	68.34	
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	91.20	
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	100.32	
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	115.52	
01 54 23 00-0012	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories	72.97	

01 54 23 00-0013 Heavy-Duty Masonry Scaffolding Rental - Rental Only (01 54 23 00-0001)

Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0014	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	70.43	
01 54 23 00-0015	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month)	129.12	
01 54 23 00-0016	LF	Aluminum Joists (LF / Month).....	11.45	
01 54 23 00-0017	LF	Aluminum Stringers (LF / Month).....	16.42	
01 54 23 00-0018	EA	Screw Jack With U-Plate For Stringers (EA / Month).....	20.69	

01 54 23 00-0019 Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001)

Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.

01 54 23 00-0020	CCF	Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	97.28	
01 54 23 00-0021	CCF	>20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	121.60	

01 General Requirements
01 50 Temporary Facilities and Controls
01 54 Construction Aids

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 54 23 00-0022	CCF	>40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	145.92
01 54 23 00-0023	CCF	>60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	158.08
01 54 23 00-0024	CCF	>80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	176.32

01 54 23 00-0025 Scaffolding Accessories (01 54 23 00-0001)
 See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0026	CSF	Netting for Exterior Building Scaffolding.....	43.63
Note: Includes removal after use.			

01 54 23 00-0027 Rolling Scaffolding (01 54 23)

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

01 54 23 00-0028	DAY	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	14.28
01 54 23 00-0029	WK	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	57.23
01 54 23 00-0030	MO	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	228.90
01 54 23 00-0031	DAY	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	23.91
01 54 23 00-0032	WK	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	95.76
01 54 23 00-0033	MO	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	383.07
01 54 23 00-0034	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	115.40
01 54 23 00-0035	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	144.25

01 54 23 00-0036 Shoring Posts (01 54 23)

01 54 23 00-0037	DAY	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post.....	2.15
01 54 23 00-0038	WK	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post.....	8.60
01 54 23 00-0039	MO	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post.....	25.81
01 54 23 00-0040	EA	Initial Erection And Final Dismantling For Each Shoring Post.....	9.24
For >20 To 50, Deduct			-1.39
For >50 To 100, Deduct			-3.23
For >100, Deduct			-5.08

01 54 23 00-0041 Temporary Lumber, Single Use (01 54 23)

Note: Includes removal after use.

01 54 23 00-0042	SF	5/16" CD Grade Plywood, Temporary Lumber.....	2.83
01 54 23 00-0043	SF	1/2" CD Grade Plywood, Temporary Lumber.....	3.20
01 54 23 00-0044	SF	5/8" CD Grade Plywood, Temporary Lumber.....	3.51
01 54 23 00-0045	SF	3/4" CD Grade Plywood, Temporary Lumber.....	3.86
01 54 23 00-0046	SF	1" CD Grade Plywood, Temporary Lumber.....	5.60
01 54 23 00-0047	LF	2" x 4" Temporary Lumber.....	3.63
01 54 23 00-0048	LF	2" x 6" Temporary Lumber.....	4.58
01 54 23 00-0049	LF	2" x 8" Temporary Lumber.....	5.54
01 54 23 00-0050	LF	2" x 10" Temporary Lumber.....	6.49
01 54 23 00-0051	LF	2" x 12" Temporary Lumber.....	7.45
01 54 23 00-0052	LF	3" x 8" Temporary Lumber.....	7.45
01 54 23 00-0053	LF	3" x 10" Temporary Lumber.....	8.88
01 54 23 00-0054	LF	3" x 12" Temporary Lumber.....	10.33
01 54 23 00-0055	LF	4" x 4" Temporary Lumber.....	4.86
01 54 23 00-0056	LF	4" x 6" Temporary Lumber.....	6.96
01 54 23 00-0057	LF	6" x 6" Temporary Lumber.....	9.05
01 54 23 00-0058	LF	6" x 8" Temporary Lumber.....	11.73
01 54 23 00-0059	LF	12" x 12" Temporary Lumber.....	28.51

01 54 23 00-0060 Temporary Precast Concrete Blocks (01 54 23)

Note: Includes removal after use.

01 54 23 00-0061	EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block	128.75
Note: Includes removal after use.			
01 54 23 00-0062	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block	160.94
Note: Includes removal after use.			
01 54 23 00-0063	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block	211.71
Note: Includes removal after use.			

01 54 26 Temporary Swing Staging (01 54)

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

01 54 26 00-0001 Swing Stage (01 54 26)

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

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	3,095.78
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	3,250.57
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	3,405.36
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	3,560.15
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	3,714.94
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	3,869.73
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	4,024.52
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated.....	892.71
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated.....	1,115.89

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling.....	4,919.49	
Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.				
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling	6,836.47	
Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.				
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof.....	2,586.78	
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof.....	3,603.01	

01 55 Vehicular Access and Parking (01 50)

01 55 23 Temporary Roads (01 55)

01 55 23 00-0001		Temporary Stabilized Construction Entrance (01 55 23)		
Note: As per Caltrans detail.				
01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly	3.35	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.				
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly	4.37	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.				

01 55 23 00-0004 Rumble Trench Plate (01 55 23)

01 55 23 00-0005	MO	8' x 10' Steel Rumble Trench Plate Rental	413.50	
01 55 23 00-0006	EA	Placement And Removal Of Rumble Plate	101.78	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.				
01 55 23 00-0007	EA	Relocate And Adjust Location Of Rumble Plate.....	25.44	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.				

01 55 23 00-0008 Temporary Road Ramps (Godwin) (01 55 23)

Note: Excludes asphalt and gravel.				
01 55 23 00-0009	EA	4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	5,078.29	228.91
01 55 23 00-0010	EA	6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	6,914.32	343.37
01 55 23 00-0011	EA	8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	9,553.92	457.82
01 55 23 00-0012	EA	12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	19,827.33	572.28
01 55 23 00-0013	EA	24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin).....	29,096.29	686.73

01 55 26 Traffic Control (01 55)

01 55 26 00-0001 Temporary Pedestrian Traffic Control (01 55 26)

01 55 26 00-0002	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	11.21	
01 55 26 00-0003	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	14.71	
01 55 26 00-0004	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	8.70	
01 55 26 00-0005	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	10.70	
01 55 26 00-0006	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	11.68	
01 55 26 00-0007	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	16.11	
01 55 26 00-0008	CLF	1" Exterior Vinyl Tape (Warning Tape)	13.36	
01 55 26 00-0009	CLF	2" Exterior Vinyl Tape (Warning Tape)	18.80	
01 55 26 00-0010	CLF	3" Exterior Vinyl Tape (Warning Tape)	23.69	
01 55 26 00-0011	CLF	4" Exterior Vinyl Tape (Warning Tape)	27.72	

01 55 26 00-0012 Temporary Removable Preformed Traffic Black Line Mask (01 55 26)

Note: Includes installation and removal after use.				
01 55 26 00-0013	LF	6" Removable Traffic Black Line Mask	5.39	
01 55 26 00-0014	LF	8" Removable Traffic Black Line Mask	6.51	

01 55 26 00-0015 Temporary Preformed Traffic Line Tape (01 55 26)

Note: Includes installation and removal after use.				
01 55 26 00-0016	LF	4" Reflective Removable Traffic Line Tape.....	5.45	
01 55 26 00-0017	LF	6" Reflective Removable Traffic Line Tape.....	7.43	
01 55 26 00-0018	LF	8" Reflective Removable Traffic Line Tape.....	9.33	

01 55 26 00-0019 Temporary Painted Traffic Lines (01 55 26)

Note: Includes installation and removal after use.				
01 55 26 00-0020	LF	4" Temporary Painted Traffic Lines	2.51	
Note: Includes removal after use				
For Not Removed, Deduct			-1.68	
01 55 26 00-0021	LF	6" Temporary Painted Traffic Lines	3.30	
Note: Includes removal after use				
For Not Removed, Deduct			-2.27	
01 55 26 00-0022	LF	8" Temporary Painted Traffic Lines	4.14	
Note: Includes removal after use				
For Not Removed, Deduct			-2.91	
01 55 26 00-0023	EA	2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	3.44	
01 55 26 00-0024	EA	2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad.....	3.47	

01 55 26 00-0025 Linear Delineation System, Temporary Or Permanent (01 55 26)

Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.				
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01 General Requirements
01 50 Temporary Facilities and Controls
01 55 Vehicular Access and Parking

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 55 26 00-0026	LF	4" Linear Delineation System.....	11.69
01 55 26 00-0027	LF	6" Linear Delineation System.....	15.83

01 55 26 00-0028 Temporary Traffic Protection (01 55 26)

01 55 26 00-0029 Temporary Portable Traffic Control Device Usage (01 55 26 00-0028)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0140 for delivery, placing and removal.

01 55 26 00-0030	DAY	28" Cone With Reflective Collar.....	0.89
01 55 26 00-0031	WK	28" Cone With Reflective Collar.....	2.66
01 55 26 00-0032	MO	28" Cone With Reflective Collar.....	7.99
01 55 26 00-0033	DAY	Vertical Panel.....	2.68
01 55 26 00-0034	WK	Vertical Panel.....	8.04
01 55 26 00-0035	MO	Vertical Panel.....	24.13
01 55 26 00-0036	DAY	Channelizer Drum.....	2.91
01 55 26 00-0037	WK	Channelizer Drum.....	8.73
01 55 26 00-0038	MO	Channelizer Drum.....	26.20
01 55 26 00-0039	DAY	Stackable Channelizer Panel.....	1.38
01 55 26 00-0040	WK	Stackable Channelizer Panel.....	4.13
01 55 26 00-0041	MO	Stackable Channelizer Panel.....	12.39
01 55 26 00-0042	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	1.91
01 55 26 00-0043	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	5.72
01 55 26 00-0044	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	17.16
01 55 26 00-0045	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	4.23
01 55 26 00-0046	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	12.68
01 55 26 00-0047	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	38.03
01 55 26 00-0048	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	4.82
01 55 26 00-0049	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	14.45
01 55 26 00-0050	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	43.34
01 55 26 00-0051	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	8.81
01 55 26 00-0052	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	26.43
01 55 26 00-0053	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	79.28
01 55 26 00-0054	DAY	Up To 10' Wide A Frame Barricade.....	4.83
01 55 26 00-0055	WK	Up To 10' Wide A Frame Barricade.....	14.49
01 55 26 00-0056	MO	Up To 10' Wide A Frame Barricade.....	43.48
01 55 26 00-0057	DAY	Type A Or C Flasher.....	0.98
01 55 26 00-0058	WK	Type A Or C Flasher.....	2.95
01 55 26 00-0059	MO	Type A Or C Flasher.....	8.86
01 55 26 00-0060	DAY	Type B Flasher (High Intensity).....	5.34
01 55 26 00-0061	WK	Type B Flasher (High Intensity).....	16.02
01 55 26 00-0062	MO	Type B Flasher (High Intensity).....	48.07

01 55 26 00-0063 Temporary Traffic Barriers Usage (01 55 26 00-0028)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0140 for delivery, placing and removal.

01 55 26 00-0064	DAY	6' Long Portable Parking Curbs.....	2.30
01 55 26 00-0065	WK	6' Long Portable Parking Curbs.....	6.90
01 55 26 00-0066	MO	6' Long Portable Parking Curbs.....	20.71
01 55 26 00-0067	DAY	6' Long Portable Speed Bumps.....	6.81
01 55 26 00-0068	WK	6' Long Portable Speed Bumps.....	20.42
01 55 26 00-0069	MO	6' Long Portable Speed Bumps.....	61.28
01 55 26 00-0070	DAY	8' To 12.5' Concrete Traffic Barrier.....	16.36
01 55 26 00-0071	WK	8' To 12.5' Concrete Traffic Barrier.....	49.07
01 55 26 00-0072	MO	8' To 12.5' Concrete Traffic Barrier.....	147.21
01 55 26 00-0073	DAY	>12.5' To 20' Concrete Traffic Barrier.....	32.71
01 55 26 00-0074	WK	>12.5' To 20' Concrete Traffic Barrier.....	98.14
01 55 26 00-0075	MO	>12.5' To 20' Concrete Traffic Barrier.....	294.42
01 55 26 00-0076	DAY	6' x 32" Tall Plastic Water Barrier.....	19.53
01 55 26 00-0077	WK	6' x 32" Tall Plastic Water Barrier.....	58.60
01 55 26 00-0078	MO	6' x 32" Tall Plastic Water Barrier.....	175.80
01 55 26 00-0079	DAY	6' x 46" Tall Plastic Water Barrier.....	27.89
01 55 26 00-0080	WK	6' x 46" Tall Plastic Water Barrier.....	83.67
01 55 26 00-0081	MO	6' x 46" Tall Plastic Water Barrier.....	251.02
01 55 26 00-0082	DAY	Sand Filled Crash Attenuator Barrels.....	10.92
01 55 26 00-0083	WK	Sand Filled Crash Attenuator Barrels.....	32.75
01 55 26 00-0084	MO	Sand Filled Crash Attenuator Barrels.....	98.25

01 55 26 00-0085 Temporary Portable Signs And Message Displays Usage (01 55 26 00-0028)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0140 for delivery, placing and removal.

01 55 26 00-0086	DAY	Mesh Or Vinyl Roll-up Sign With Stand.....	8.57
01 55 26 00-0087	WK	Mesh Or Vinyl Roll-up Sign With Stand.....	25.71
01 55 26 00-0088	MO	Mesh Or Vinyl Roll-up Sign With Stand.....	77.14
01 55 26 00-0089	DAY	18" x 18" Aluminum Construction Sign, With Portable Stand.....	3.33
01 55 26 00-0090	WK	18" x 18" Aluminum Construction Sign, With Portable Stand.....	9.98
01 55 26 00-0091	MO	18" x 18" Aluminum Construction Sign, With Portable Stand.....	29.95
01 55 26 00-0092	DAY	30" x 24" Aluminum Construction Sign, With Portable Stand.....	4.58
01 55 26 00-0093	WK	30" x 24" Aluminum Construction Sign, With Portable Stand.....	13.74
01 55 26 00-0094	MO	30" x 24" Aluminum Construction Sign, With Portable Stand.....	41.21
01 55 26 00-0095	DAY	30" x 30" Aluminum Construction Sign, With Portable Stand.....	4.07
01 55 26 00-0096	WK	30" x 30" Aluminum Construction Sign, With Portable Stand.....	12.20
01 55 26 00-0097	MO	30" x 30" Aluminum Construction Sign, With Portable Stand.....	36.59
01 55 26 00-0098	DAY	48" x 18" Aluminum Construction Sign, With Portable Stand.....	5.00

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0099	WK	48" x 18" Aluminum Construction Sign, With Portable Stand.....	14.99	
01 55 26 00-0100	MO	48" x 18" Aluminum Construction Sign, With Portable Stand.....	44.98	
01 55 26 00-0101	DAY	48" x 24" Aluminum Construction Sign, With Portable Stand.....	5.84	
01 55 26 00-0102	WK	48" x 24" Aluminum Construction Sign, With Portable Stand.....	17.51	
01 55 26 00-0103	MO	48" x 24" Aluminum Construction Sign, With Portable Stand.....	52.53	
01 55 26 00-0104	DAY	48" x 30" Aluminum Construction Sign, With Portable Stand.....	6.68	
01 55 26 00-0105	WK	48" x 30" Aluminum Construction Sign, With Portable Stand.....	20.03	
01 55 26 00-0106	MO	48" x 30" Aluminum Construction Sign, With Portable Stand.....	60.08	
01 55 26 00-0107	DAY	48" x 36" Aluminum Construction Sign, With Portable Stand.....	7.52	
01 55 26 00-0108	WK	48" x 36" Aluminum Construction Sign, With Portable Stand.....	22.55	
01 55 26 00-0109	MO	48" x 36" Aluminum Construction Sign, With Portable Stand.....	67.64	
01 55 26 00-0110	DAY	48" x 48" Aluminum Construction Sign, With Portable Stand.....	9.19	
01 55 26 00-0111	WK	48" x 48" Aluminum Construction Sign, With Portable Stand.....	27.58	
01 55 26 00-0112	MO	48" x 48" Aluminum Construction Sign, With Portable Stand.....	82.74	
01 55 26 00-0113	DAY	60" x 24" Aluminum Construction Sign, With Portable Stand.....	9.16	
01 55 26 00-0114	WK	60" x 24" Aluminum Construction Sign, With Portable Stand.....	27.47	
01 55 26 00-0115	MO	60" x 24" Aluminum Construction Sign, With Portable Stand.....	82.41	
01 55 26 00-0116	DAY	60" x 30" Aluminum Construction Sign, With Portable Stand.....	10.21	
01 55 26 00-0117	WK	60" x 30" Aluminum Construction Sign, With Portable Stand.....	30.62	
01 55 26 00-0118	MO	60" x 30" Aluminum Construction Sign, With Portable Stand.....	91.85	
01 55 26 00-0119	DAY	60" x 36" Aluminum Construction Sign, With Portable Stand.....	11.25	
01 55 26 00-0120	WK	60" x 36" Aluminum Construction Sign, With Portable Stand.....	33.76	
01 55 26 00-0121	MO	60" x 36" Aluminum Construction Sign, With Portable Stand.....	101.29	
01 55 26 00-0122	DAY	Aluminum Sign And Post.....	4.76	
01 55 26 00-0123	WK	Aluminum Sign And Post.....	14.28	
01 55 26 00-0124	MO	Aluminum Sign And Post.....	42.84	
01 55 26 00-0125	DAY	4' x 8' Construction Identification Sign, No. 2 Or 3.....	18.39	
01 55 26 00-0126	WK	4' x 8' Construction Identification Sign, No. 2 Or 3.....	55.16	
01 55 26 00-0127	MO	4' x 8' Construction Identification Sign, No. 2 Or 3.....	165.48	
01 55 26 00-0128	DAY	12' x 6' Interstate Construction Identification Sign, No. 1.....	35.17	
01 55 26 00-0129	WK	12' x 6' Interstate Construction Identification Sign, No. 1.....	105.50	
01 55 26 00-0130	MO	12' x 6' Interstate Construction Identification Sign, No. 1.....	316.50	
01 55 26 00-0131	DAY	Trailer Mounted Flashing Arrow Board.....	180.33	
01 55 26 00-0132	WK	Trailer Mounted Flashing Arrow Board.....	499.12	
01 55 26 00-0133	MO	Trailer Mounted Flashing Arrow Board.....	1,320.24	
01 55 26 00-0134	DAY	Trailer Mounted Portable Variable Message Sign (PVMS).....	300.66	
01 55 26 00-0135	WK	Trailer Mounted Portable Variable Message Sign (PVMS).....	801.76	
01 55 26 00-0136	MO	Trailer Mounted Portable Variable Message Sign (PVMS).....	1,603.52	
01 55 26 00-0137	DAY	Two Head, Trailer Mounted Traffic Signal System (Set Of Two)..... Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	1,457.96	
01 55 26 00-0138	WK	Two Head, Trailer Mounted Traffic Signal System (Set Of Two)..... Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,373.88	
01 55 26 00-0139	MO	Two Head, Trailer Mounted Traffic Signal System (Set Of Two)..... Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	13,121.64	
01 55 26 00-0140 Place And Remove Temporary Traffic Protection Using Truck (01 55 26 00-0028)				
Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0039 for delivery >15 miles.				
01 55 26 00-0141	EA	Placement And Removal Of Up To 250 Cones Using Truck.....	4.01	
01 55 26 00-0142	EA	Placement And Removal Of >250 Cones Using Truck.....	3.50	
01 55 26 00-0143	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck.....	6.61	
01 55 26 00-0144	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck.....	5.51	
01 55 26 00-0145	EA	Placement And Removal Of Up To 250 Barricades Using Truck.....	10.01	
01 55 26 00-0146	EA	Placement And Removal Of >250 Barricades Using Truck.....	8.01	
01 55 26 00-0147	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck.....	10.01	
01 55 26 00-0148	EA	Placement And Removal Of Portable Sign And Stand Using Truck.....	6.01	
01 55 26 00-0149	EA	Placement And Removal Of Aluminum Sign And Post Using Truck.....	25.03	
01 55 26 00-0150	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck.....	75.09	
01 55 26 00-0151	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	101.78	
		For 1 Barrier, Add	254.45	
		For 2 Barriers, Add	91.60	
		For 3 Barriers, Add	30.53	
01 55 26 00-0152	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	152.67	
		For 1 Barrier, Add	381.68	
		For 2 Barriers, Add	137.40	
		For 3 Barriers, Add	45.80	
01 55 26 00-0153	EA	Placement And Removal Of Plastic Water Barrier..... Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.	58.36	
		For 1 Barrier, Add	127.23	
		For 2 Barriers, Add	45.80	
		For 3 Barriers, Add	15.27	
01 55 26 00-0154	EA	Placement And Removal Of Crash Attenuator Barrels..... Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	76.33	
		For 1 Barrier, Add	190.83	
		For 2 Barriers, Add	68.70	
		For 3 Barriers, Add	22.90	

01	General Requirements
01 50	Temporary Facilities and Controls
01 55	Vehicular Access and Parking

MINOR	
CSI UOM DESCRIPTION	

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 55 26 00-0155		Place And Remove Temporary Traffic Protection From Roadside (Daily) (01 55 26 00-0028)	
01 55 26 00-0156	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside.....	2.51
01 55 26 00-0157	EA	Placement And Removal Of >250 Cones By Hand From Roadside	2.00
01 55 26 00-0158	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside	3.34
01 55 26 00-0159	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside.....	2.65
01 55 26 00-0160	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside.....	5.00
01 55 26 00-0161	EA	Placement And Removal Of >250 Barricades By Hand From Roadside	4.01
01 55 26 00-0162	EA	Placement And Removal Of Portable Sign And Stand From Roadside.....	2.96
01 55 26 00-0163	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside.....	37.54
01 55 26 00-0164	EA	Roadside Relocation Of Concrete Traffic Barrier.....	50.89
Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.			
01 55 26 00-0165		Place And Remove Temporary Signs For Detours (01 55 26 00-0028)	
01 55 26 00-0166		Temporary Reflectorized Signs For Detours (01 55 26 00-0165)	
Note: Excludes posts.			
01 55 26 00-0167		Temporary Aluminum Engineer Grade Stop Signs For Detours (01 55 26 00-0166)	
01 55 26 00-0168	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours.....	94.11
		For Hi-Intensity Grade, Add	9.53
		For Diamond Grade, Add	18.10
01 55 26 00-0169	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours.....	107.34
		For Hi-Intensity Grade, Add	12.46
		For Diamond Grade, Add	23.67
01 55 26 00-0170	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours.....	115.70
		For Hi-Intensity Grade, Add	19.03
		For Diamond Grade, Add	30.17
01 55 26 00-0171	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours.....	132.20
		For Hi-Intensity Grade, Add	7.13
		For Diamond Grade, Add	38.64
01 55 26 00-0172	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours.....	171.48
		For Hi-Intensity Grade, Add	20.96
		For Diamond Grade, Add	65.73
01 55 26 00-0173		Other Temporary Reflectorized Traffic Signs For Detours (01 55 26 00-0166)	
Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.			
01 55 26 00-0174		Temporary Aluminum Engineer Grade Traffic Signs For Detours (01 55 26 00-0173)	
01 55 26 00-0175	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours.....	63.30
		For Hi-Intensity Grade, Add	2.36
01 55 26 00-0176	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours.....	67.23
		For Hi-Intensity Grade, Add	3.54
01 55 26 00-0177	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours.....	67.23
		For Hi-Intensity Grade, Add	3.54
01 55 26 00-0178	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours.....	70.18
		For Hi-Intensity Grade, Add	4.43
01 55 26 00-0179	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours.....	73.13
		For Hi-Intensity Grade, Add	5.31
01 55 26 00-0180	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours.....	82.49
		For Hi-Intensity Grade, Add	7.08
01 55 26 00-0181	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours.....	106.09
		For Hi-Intensity Grade, Add	14.16
01 55 26 00-0182	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours.....	71.16
		For Hi-Intensity Grade, Add	4.72
01 55 26 00-0183	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours.....	82.49
		For Hi-Intensity Grade, Add	7.08
01 55 26 00-0184	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours.....	90.35
		For Hi-Intensity Grade, Add	9.44
01 55 26 00-0185	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours.....	98.22
		For Hi-Intensity Grade, Add	11.80
01 55 26 00-0186	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours.....	106.09
		For Hi-Intensity Grade, Add	14.16
01 55 26 00-0187	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours.....	94.29
		For Hi-Intensity Grade, Add	10.62
01 55 26 00-0188	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours.....	106.09
		For Hi-Intensity Grade, Add	14.16
01 55 26 00-0189	EA	Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours.....	121.36
		For Hi-Intensity Grade, Add	17.70
01 55 26 00-0190	EA	Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours.....	133.16
		For Hi-Intensity Grade, Add	21.24
01 55 26 00-0191	EA	Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours.....	182.41
		For Hi-Intensity Grade, Add	31.86
01 55 26 00-0192	EA	Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours.....	125.29
		For Hi-Intensity Grade, Add	18.88
01 55 26 00-0193	EA	Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours.....	141.02
		For Hi-Intensity Grade, Add	23.60
01 55 26 00-0194	EA	Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours.....	156.75
		For Hi-Intensity Grade, Add	28.32
01 55 26 00-0195	EA	Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours.....	186.35
		For Hi-Intensity Grade, Add	33.04
01 55 26 00-0196	EA	Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours.....	202.08
		For Hi-Intensity Grade, Add	37.76
01 55 26 00-0197	EA	Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours.....	217.81
		For Hi-Intensity Grade, Add	42.48

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0198	EA	Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	160.69 29.50	
01 55 26 00-0199	EA	Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	194.21 35.40	
01 55 26 00-0200	EA	Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	213.88 41.30	
01 55 26 00-0201	EA	Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	247.40 47.20	
01 55 26 00-0202	EA	Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	300.58 59.00	
01 55 26 00-0203	EA	Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	217.81 42.48	
01 55 26 00-0204	EA	Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	255.27 49.56	
01 55 26 00-0205	EA	Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	292.72 56.64	
01 55 26 00-0206	EA	Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	316.32 63.72	
01 55 26 00-0207	EA	Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	353.78 70.80	
01 55 26 00-0208	EA	Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	418.77 86.14	
01 55 26 00-0209	EA	Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	438.43 92.03	
01 55 26 00-0210	EA	Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	577.21 127.43	
01 55 26 00-0211	EA	Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	296.65 57.82	
01 55 26 00-0212	EA	Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	369.51 75.52	
01 55 26 00-0213	EA	Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	414.83 84.95	
01 55 26 00-0214	EA	Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	446.30 94.40	
01 55 26 00-0215	EA	Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	498.55 103.83	
01 55 26 00-0216	EA	Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	530.02 113.27	
01 55 26 00-0217	EA	Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	606.81 132.15	
01 55 26 00-0218	EA	Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	669.74 151.03	
01 55 26 00-0219	EA	Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	701.20 160.47	
01 55 26 00-0220	EA	Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	739.59 169.91	
01 55 26 00-0221	EA	Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	638.27 141.59	
01 55 26 00-0222	EA	Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours <i>For Hi-Intensity Grade, Add</i>	991.30 245.42	
01 55 26 00-0223		Temporary Overhead Sign Structures For Detours (01 55 26 00-0165) Note: Including horizontal Z-bars.		
01 55 26 00-0224	SF	From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours <i>For Over 10' High, Add</i>	22.50 13.00	
01 55 26 00-0225		Temporary Sign Posts For Detours (01 55 26 00-0165) Note: Excludes sign.		
01 55 26 00-0226		Temporary U-Channel Sign Posts For Detours (01 55 26 00-0225) Note: Excludes digging and concrete.		
01 55 26 00-0227		Temporary Baked Enamel U-Channel Sign Posts For Detours (01 55 26 00-0226)		
01 55 26 00-0228	EA	Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	83.79	
01 55 26 00-0229	EA	Temporary 6' Baked Enamel U-Channel Sign Post For Detours	108.98	
01 55 26 00-0230	EA	Temporary 7' Baked Enamel U-Channel Sign Post For Detours	130.24	
01 55 26 00-0231	EA	Temporary 8' Baked Enamel U-Channel Sign Post For Detours	152.40	
01 55 26 00-0232	EA	Temporary 10' Baked Enamel U-Channel Sign Post For Detours	184.11	
01 55 26 00-0233	EA	Temporary 12' Baked Enamel U-Channel Sign Post For Detours	195.54	
01 55 26 00-0234		Temporary Galvanized Steel U-Channel Sign Posts For Detours (01 55 26 00-0226)		
01 55 26 00-0235	EA	Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours	89.39	
01 55 26 00-0236	EA	Temporary 6' Galvanized Steel U-Channel Sign Post For Detours	117.86	
01 55 26 00-0237	EA	Temporary 7' Galvanized Steel U-Channel Sign Post For Detours	150.33	
01 55 26 00-0238	EA	Temporary 8' Galvanized Steel U-Channel Sign Post For Detours	174.60	
01 55 26 00-0239	EA	Temporary 10' Galvanized Steel U-Channel Sign Post For Detours	200.28	
01 55 26 00-0240	EA	Temporary 12' Galvanized Steel U-Channel Sign Post For Detours	209.60	
01 55 26 00-0241		Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours (01 55 26 00-0226)		
01 55 26 00-0242	EA	Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours	82.47	
01 55 26 00-0243	EA	Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	106.11	
01 55 26 00-0244	EA	Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	126.78	
01 55 26 00-0245	EA	Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	148.27	

01	General Requirements
01 50	Temporary Facilities and Controls
01 55	Vehicular Access and Parking

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0246	EA	Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	176.62	
01 55 26 00-0247	EA	Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	191.10	

01 55 26 00-0248 Temporary Tubular Sign Posts For Detours (01 55 26 00-0225)
Note: Excludes digging and concrete.

01 55 26 00-0249 Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours (01 55 26 00-0248)

01 55 26 00-0250	EA	Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	118.78	
01 55 26 00-0251	EA	Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	141.21	
01 55 26 00-0252	EA	Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	166.46	
01 55 26 00-0253	EA	Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	212.43	
01 55 26 00-0254	EA	Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	230.03	

01 55 26 00-0255 Temporary Square Sign Posts For Detours (01 55 26 00-0225)
Note: Excludes digging and concrete.

01 55 26 00-0256 Temporary Galvanized Steel Square Sign Posts For Detours (01 55 26 00-0255)

01 55 26 00-0257	EA	Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	90.63	
01 55 26 00-0258	EA	Temporary 6' Galvanized Steel Square Sign Post For Detours	138.90	
01 55 26 00-0259	EA	Temporary 7' Galvanized Steel Square Sign Post For Detours	163.42	
01 55 26 00-0260	EA	Temporary 8' Galvanized Steel Square Sign Post For Detours	190.62	
01 55 26 00-0261	EA	Temporary 10' Galvanized Steel Square Sign Post For Detours	232.60	
01 55 26 00-0262	EA	Temporary 12' Galvanized Steel Square Sign Post For Detours	250.31	

01 55 26 00-0263 Temporary Breakaway Sign Posts And Bases For Detours (01 55 26 00-0165)

Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.

01 55 26 00-0264 Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours

01 55 26 00-0265 Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours

01 55 26 00-0266	EA	Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours	105.23	
01 55 26 00-0267	EA	Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours	65.97	

01 55 26 00-0268 Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours (01 55 26 00-0264)

01 55 26 00-0269	LF	Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours.....	12.34	
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01 55 26 00-0270 Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0263)

01 55 26 00-0271 Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours (01 55 26 00-0270)

01 55 26 00-0272	EA	Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	108.71	
01 55 26 00-0273	EA	Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours	65.97	

01 55 26 00-0274 Temporary Breakaway Sign Posts, 4 Lb./LF For Detours (01 55 26 00-0270)

01 55 26 00-0275	LF	Temporary Breakaway Sign Post, 4 Lb./LF For Detours.....	14.50	
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01 55 26 00-0276 Temporary Driven Sign Posts For Detours (01 55 26 00-0263)

01 55 26 00-0277 Temporary Driven Posts, 2.5 Lb./LF For Detours (01 55 26 00-0276)

01 55 26 00-0278	LF	Temporary Driven Post, 2.5 Lb./LF For Detours	14.18	
		For Each Soil Plate, Add	3.00	

01 55 26 00-0279 Temporary Driven Posts, 4 Lb./LF For Detours (01 55 26 00-0276)

01 55 26 00-0280	LF	Temporary Driven Post, 4 Lb./LF For Detours	17.28	
		For Each Soil Plate, Add	3.00	

01 55 26 00-0281 Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours (01 55 26 00-0263)

01 55 26 00-0282 Temporary Omni-Directional Breakaway Systems For Signs For Detours (01 55 26 00-0281)

Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.

01 55 26 00-0283	EA	Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Transpo B525)	1,188.76	
01 55 26 00-0284	EA	Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Transpo B650)	1,266.82	
01 55 26 00-0285	EA	Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Transpo A14 And A16)	868.47	
01 55 26 00-0286	EA	Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Transpo A3 And A4.5)	760.66	
01 55 26 00-0287	EA	Temporary Omni-Directional Breakaway System For Square Tube (Transpo AS3 And AS4)	862.49	
01 55 26 00-0288	EA	Temporary Omni-Directional Breakaway System For U-Channels (Transpo AU4 To AU6)	820.57	
01 55 26 00-0289	EA	Temporary Omni-Directional Breakaway System For U-Channels Embedded (Transpo AUX4 To AUX6)	772.49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0290	Temporary Omni-Directional Breakaway Systems For Poles For Detours (01 55 26 00-0290)	
	Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.	
01 55 26 00-0291	EA Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	425.56
01 55 26 00-0292	EA Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	446.20
01 55 26 00-0293	EA Temporary Omni-Directional Breakaway System For Poles With 1" Couplings.....	463.35
01 55 26 00-0294	EA Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	703.56
01 55 26 00-0295	EA Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15".....	61.78
01 55 26 00-0296	EA Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20".....	82.37

01 55 26 00-0297	Temporary Rumble Strips (01 55 26 00-0297)	
	Note: Includes removal after use.	
01 55 26 00-0298	LF 1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....	13.96
01 55 26 00-0299	LF 1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip.....	10.04

01 56 Temporary Barriers and Enclosures (01 56)

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers (01 56 16)

01 56 16 00-0001	Temporary Sheeting For Protection (01 56 16 00-0001)	
	Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.	
01 56 16 00-0002	SF 6 Mil, Plastic Sheeting, Applied To Floors.....	0.40
	Note: Includes removal after use.	
01 56 16 00-0003	SF 6 Mil, Plastic Sheeting, Applied To Walls.....	0.51
	Note: Includes removal after use.	
01 56 16 00-0004	SF 6 Mil, Plastic Sheeting, Applied To Ceilings.....	0.68
	Note: Includes removal after use.	
01 56 16 00-0005	SF 6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.67
	Note: Includes removal after use.	
01 56 16 00-0006	SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.49
	Note: Includes removal after use.	
01 56 16 00-0007	SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.60
	Note: Includes removal after use.	
01 56 16 00-0008	SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.77
	Note: Includes removal after use.	
01 56 16 00-0009	SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding.....	0.72
	Note: Includes removal after use.	
01 56 16 00-0010	SF 10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.94
	Note: Includes removal after use.	
01 56 16 00-0011	SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors.....	0.52
	Note: Includes removal after use.	
01 56 16 00-0012	SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls.....	0.63
	Note: Includes removal after use.	
01 56 16 00-0013	SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings.....	0.80
	Note: Includes removal after use.	
01 56 16 00-0014	SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding.....	0.75
	Note: Includes removal after use.	
01 56 16 00-0015	SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Floors.....	0.51
	Note: Includes removal after use.	
01 56 16 00-0016	SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Walls.....	0.62
	Note: Includes removal after use.	
01 56 16 00-0017	SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.79
	Note: Includes removal after use.	
01 56 16 00-0018	SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.74
	Note: Includes removal after use.	
01 56 16 00-0019	SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors.....	0.58
	Note: Includes removal after use.	
01 56 16 00-0020	SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls.....	0.69
	Note: Includes removal after use.	
01 56 16 00-0021	SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.86
	Note: Includes removal after use.	
01 56 16 00-0022	SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.81
	Note: Includes removal after use.	

01 56 16 00-0023 Accessories For Temporary Sheeting (01 56 16 00-0023)

Note: Includes removal after use.

01 56 16 00-0024	EA 7" Zipper Door For Plastic Sheeting.....	25.20
	Note: Includes removal after use.	
01 56 16 00-0025	LF Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall).....	10.03
	Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.	

01 56 16 00-0026 Magnetic Barriers For Temporary Sheeting (01 56 16 00-0026)

01 56 16 00-0027	EA Magnetic Dust Barrier Door System For Plastic Sheeting.....	26.86
	Note: Multi use. Excludes spring poles and magnetic strips.	
01 56 16 00-0028	EA 29" To 50", Dust Barrier Spring Pole For Door System.....	7.25
	Note: Multi use.	
01 56 16 00-0029	EA Magnetic Strip For Door System.....	3.76
	Note: Multi use.	

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

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 56 16 00-0030		Temporary Critical Barriers For Protection (01 56 16)	
		Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.	
01 56 16 00-0031	EA	Up To 1 SF Individual Critical Barriers For Outlets And Receptacles	13.74
		Note: Includes removal after use.	
01 56 16 00-0032	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc.	20.82
		Note: Includes removal after use.	
01 56 16 00-0033	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc.	27.98
		Note: Includes removal after use.	
01 56 16 00-0034	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc.	43.72
		Note: Includes removal after use.	
01 56 16 00-0035		Temporary Stud Wall (01 56 16)	
		Note: Includes removal after use.	
01 56 16 00-0036		Temporary Stud Wall With Drywall (01 56 16 00-0035)	
		Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.	
01 56 16 00-0037		Temporary Stud Wall With Drywall (01 56 16 00-0036)	
01 56 16 00-0038	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.29
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.04
01 56 16 00-0039	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.29
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.04
01 56 16 00-0040	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.42
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.04
01 56 16 00-0041	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.12
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16
01 56 16 00-0042	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.12
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16
01 56 16 00-0043	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.36
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16
01 56 16 00-0044		Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0036)	
01 56 16 00-0045	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.43
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.04
01 56 16 00-0046	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.47
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.04
01 56 16 00-0047	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	7.40
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.04
01 56 16 00-0048	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center	8.35
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.04
01 56 16 00-0049	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.40
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16
01 56 16 00-0050	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.48
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16
01 56 16 00-0051	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.34
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16
01 56 16 00-0052	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	12.22
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16
01 56 16 00-0053		Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0035)	
		Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.	
01 56 16 00-0054	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.11
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.04
01 56 16 00-0055	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.15
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.04
01 56 16 00-0056	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.29
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.04
01 56 16 00-0057	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.37
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.04
01 56 16 00-0058	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	9.74
		Note: Includes removal after use.	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.16

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0059	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.84 1.16	
01 56 16 00-0060	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.12 1.16	
01 56 16 00-0061	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.27 1.16	
01 56 16 00-0062 Temporary Stud Wall With BC Plywood (01 56 16 00-0035)				
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.				
01 56 16 00-0063	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.44 1.04	
01 56 16 00-0064	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.62 1.04	
01 56 16 00-0065	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.82 1.04	
01 56 16 00-0066	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.98 1.04	
01 56 16 00-0067	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.40 1.16	
01 56 16 00-0068	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.76 1.16	
01 56 16 00-0069	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	11.18 1.16	
01 56 16 00-0070	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	11.49 1.16	
01 56 16 00-0071 Temporary Stud Wall With Plastic Sheeting (01 56 16 00-0035)				
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.				
01 56 16 00-0072	SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	4.17 0.91	
01 56 16 00-0073	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	4.25 0.91	
01 56 16 00-0074	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	4.28 0.91	
01 56 16 00-0075	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	4.27 0.91	
01 56 16 00-0076	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	4.35 0.91	
01 56 16 00-0077 Temporary Doors (01 56 16 00-0035)				
Note: For temporary stud walls. Includes removal after use.				
01 56 16 00-0078	EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	672.25	
01 56 16 00-0079 Temporary Floor Protection (01 56 16)				
Note: Includes removal after use.				
01 56 16 00-0080	SF	1/2" Thick, Plywood For Temporary Floor Protection..... Note: Includes removal after use.	1.97	
01 56 16 00-0081	SF	3/4" Thick, Plywood For Temporary Floor Protection..... Note: Includes removal after use.	2.22	
01 56 16 00-0082	LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection..... Note: Includes removal after use.	0.90	
01 56 16 00-0083	LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection Note: Includes removal after use.	0.35	
01 56 16 00-0084	CSF	3 Mil, Temporary Self-adhesive Carpet Protection Film..... Note: Includes removal after use.	28.02	
01 56 16 00-0085	LF	36" Wide, 10 Mil, Non-Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.64	
<i>For Seam Tape, Add Per LF</i>			0.27	
01 56 16 00-0086	LF	36" Wide, 10 Mil, Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.74	
<i>For Seam Tape, Add Per LF</i>			0.27	

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

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 56 16 00-0087		Sticky Mats (01 56 16)	
		Note: Includes removal after use.	
01 56 16 00-0088	EA	18" x 36", 30 Layer Sticky Mat	38.73
		Note: Includes removal after use.	
		For 60 Layers Instead Of 30, Add	25.58
01 56 16 00-0089	EA	18" x 46", 30 Layer Sticky Mat	44.42
		Note: Includes removal after use.	
		For 60 Layers Instead Of 30, Add	29.85
01 56 16 00-0090	EA	24" x 36", 30 Layer Sticky Mat	44.42
		Note: Includes removal after use.	
		For 60 Layers Instead Of 30, Add	29.85
01 56 16 00-0091	EA	25" x 45", 30 Layer Sticky Mat	58.63
		Note: Includes removal after use.	
		For 60 Layers Instead Of 30, Add	40.51
01 56 16 00-0092	EA	36" x 36", 30 Layer Sticky Mat	64.32
		Note: Includes removal after use.	
		For 60 Layers Instead Of 30, Add	44.78
01 56 16 00-0093	EA	36" x 46", 30 Layer Sticky Mat	70.00
		Note: Includes removal after use.	
		For 60 Layers Instead Of 30, Add	49.04
01 56 16 00-0094	EA	36" x 60", 30 Layer Sticky Mat	141.08
		Note: Includes removal after use.	
		For 60 Layers Instead Of 30, Add	102.35
01 56 16 00-0095	EA	36" x 72", 30 Layer Sticky Mat	168.37
		Note: Includes removal after use.	
01 56 16 00-0096	EA	18" x 36", 60 Layer Clean Mat With Frame	148.33
01 56 16 00-0097	EA	24" x 36", 60 Layer Clean Mat With Frame	192.07
01 56 16 00-0098	EA	18" x 36", 60 Layer Clean Mat Replacement Pads	106.68
01 56 16 00-0099	EA	24" x 36", 60 Layer Clean Mat Replacement Pads	133.75

01 56 16 00-0100 **Temporary Panel Assembly Rentals (Edge Guard)** (01 56 16)

01 56 16 00-0101		Barrier System Panels (01 56 16 00-0100)	
		Note: Panels are adjustable from 7'-8" to 10'-0" height and includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.	
01 56 16 00-0102	WK	4' Panel Assembly Rental (Edge Guard 4000)	84.74
01 56 16 00-0103	MO	4' Panel Assembly Rental (Edge Guard 4000)	388.57
01 56 16 00-0104	WK	3' Panel Assembly Rental (Edge Guard 4001)	79.89
01 56 16 00-0105	MO	3' Panel Assembly Rental (Edge Guard 4001)	370.41
01 56 16 00-0106	WK	2' Panel Assembly Rental (Edge Guard 4002)	62.95
01 56 16 00-0107	MO	2' Panel Assembly Rental (Edge Guard 4002)	292.34
01 56 16 00-0108	WK	2' Panel Assembly With HEPA Filtered Air Discharge Port Rental (Edge Guard 4002.1)	108.92
01 56 16 00-0109	MO	2' Panel Assembly With HEPA Filtered Air Discharge Port Rental (Edge Guard 4002.1)	502.28
01 56 16 00-0110	WK	4' Panel Assembly Rental With 44" Door (Edge Guard 4003)	168.26
01 56 16 00-0111	MO	4' Panel Assembly Rental With 44" Door (Edge Guard 4003)	775.33
01 56 16 00-0112	WK	Hinged Corner Assembly Rental (Edge Guard 4004)	29.05
01 56 16 00-0113	MO	Hinged Corner Assembly Rental (Edge Guard 4004)	130.73
01 56 16 00-0114	WK	6" Panel Assembly Rental (Edge Guard 4005)	59.41
01 56 16 00-0115	MO	6" Panel Assembly Rental (Edge Guard 4005)	275.45
01 56 16 00-0116	WK	12" Panel Assembly Rental (Edge Guard 4006)	44.79
01 56 16 00-0117	MO	12" Panel Assembly Rental (Edge Guard 4006)	205.18
01 56 16 00-0118	WK	Outside Corner Post Rental (Edge Guard 4007)	24.21
01 56 16 00-0119	MO	Outside Corner Post Rental (Edge Guard 4007)	108.94
01 56 16 00-0120	WK	52" Panel Assembly Rental With 48" Door (Edge Guard 4008)	459.08
01 56 16 00-0121	MO	52" Panel Assembly Rental With 48" Door (Edge Guard 4008)	2,117.15
01 56 16 00-0122	WK	T Post Rental (Edge Guard 4009)	24.21
01 56 16 00-0123	MO	T Post Rental (Edge Guard 4009)	108.94
01 56 16 00-0124	WK	36" Panel Assembly Rental With 32" Door (Edge Guard 4010)	232.24
01 56 16 00-0125	MO	36" Panel Assembly Rental With 32" Door (Edge Guard 4010)	1,247.61

01 56 16 00-0126 **Installation Of Barrier System Panels** (01 56 16 00-0100)

		Note: Includes removal after use.	
01 56 16 00-0127	LF	Installation Of Panel Assembly Rental (Edge Guard)	74.12
		Note: Includes panels and corners	

01 56 26 Temporary Fencing (01 56)

01 56 26 00-0001		Temporary Fencing (01 56 26)	
		Note: Per ASTM A392-06 Standards	
01 56 26 00-0002		Temporary Chain Link Fence (01 56 26 00-0001)	
		Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.	
01 56 26 00-0003		Temporary Chain Link Fence, Up To 6 Months (01 56 26 00-0002)	
01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	7.04
		For >100 To 250, Deduct	-0.17
		For >250 To 500, Deduct	-0.34
		For >500, Deduct	-0.50
		For Each LF Shade Cloth, Add	1.60
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	7.84
		For >100 To 250, Deduct	-0.19
		For >250 To 500, Deduct	-0.38
		For >500, Deduct	-0.57
		For Each LF Shade Cloth, Add	2.55

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0006 LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	10.82	
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.96	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0007 LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	23.86	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.90	
For >500, Deduct	-2.84	
For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0008 Temporary Chain Link Fence, >6 To 12 Months (01 56 26 00-0002)		
01 56 26 00-0009 LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	7.38	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.37	
For >500, Deduct	-0.55	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0010 LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	8.21	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.62	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0011 LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	11.45	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.70	
For >500, Deduct	-1.05	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0012 LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	25.75	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-3.13	
For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)		
01 56 26 00-0014 LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	7.75	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.61	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0015 LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	8.64	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.69	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0016 LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	12.16	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.16	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0017 LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	27.84	
For >100 To 250, Deduct	-1.15	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-3.44	
For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0018 Temporary Chain Link Fence, >18 Months (01 56 26 00-0002)		
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	8.15	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.45	
For >500, Deduct	-0.67	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	9.06	
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.50	
For >500, Deduct	-0.75	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	12.92	
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.27	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	30.12	
For >100 To 250, Deduct	-1.26	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.78	
For Each LF Shade Cloth, Add	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)		
Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	282.45	
For Each LF Shade Cloth, Add	15.92	

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	479.40	
		<i>For Each LF Shade Cloth, Add</i>	39.79	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	536.94	
		<i>For Each LF Shade Cloth, Add</i>	47.75	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	611.09	
		<i>For Each LF Shade Cloth, Add</i>	59.69	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	732.15	
		<i>For Each LF Shade Cloth, Add</i>	79.58	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	814.75	
		<i>For Each LF Shade Cloth, Add</i>	95.50	

01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)

01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	302.31	
		<i>For Each LF Shade Cloth, Add</i>	25.37	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	517.56	
		<i>For Each LF Shade Cloth, Add</i>	63.42	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	580.94	
		<i>For Each LF Shade Cloth, Add</i>	76.10	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	672.97	
		<i>For Each LF Shade Cloth, Add</i>	95.12	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	813.59	
		<i>For Each LF Shade Cloth, Add</i>	126.83	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	922.79	
		<i>For Each LF Shade Cloth, Add</i>	152.20	

01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)

01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	337.52	
		<i>For Each LF Shade Cloth, Add</i>	35.81	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	592.88	
		<i>For Shade Cloth, Add</i>	89.53	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	663.25	
		<i>For Shade Cloth, Add</i>	107.43	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	759.11	
		<i>For Shade Cloth, Add</i>	134.29	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	927.74	
		<i>For Shade Cloth, Add</i>	179.06	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,075.99	
		<i>For Shade Cloth, Add</i>	214.87	

01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)

01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	409.06	
		<i>For Each LF Shade Cloth, Add</i>	47.25	
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	711.32	
		<i>For Each LF Shade Cloth, Add</i>	118.13	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	797.33	
		<i>For Each LF Shade Cloth, Add</i>	141.75	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	911.25	
		<i>For Each LF Shade Cloth, Add</i>	177.19	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,113.95	
		<i>For Each LF Shade Cloth, Add</i>	236.26	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,286.07	
		<i>For Each LF Shade Cloth, Add</i>	283.51	

01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)**01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)**

01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	293.11	
		<i>For Each LF Shade Cloth, Add</i>	15.92	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	495.98	
		<i>For Each LF Shade Cloth, Add</i>	39.79	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	555.88	
		<i>For Each LF Shade Cloth, Add</i>	47.75	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	632.41	
		<i>For Each LF Shade Cloth, Add</i>	59.69	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	758.21	
		<i>For Each LF Shade Cloth, Add</i>	79.58	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	843.17	
		<i>For Each LF Shade Cloth, Add</i>	95.50	

01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)

01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	313.45	
		<i>For Each LF Shade Cloth, Add</i>	25.37	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	534.89	
		<i>For Each LF Shade Cloth, Add</i>	63.42	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	600.75	
		<i>For Each LF Shade Cloth, Add</i>	76.10	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	695.26	
		<i>For Each LF Shade Cloth, Add</i>	95.12	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	840.83	
		<i>For Each LF Shade Cloth, Add</i>	126.83	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	952.50	
		<i>For Each LF Shade Cloth, Add</i>	152.20	

			General Requirements		01	Σ
			Temporary Facilities and Controls		01 50	
			Temporary Barriers and Enclosures		01 56	
MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST		DEMOLITION UNIT COST	
01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)						
01 56 26 00-0069 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months			349.77			
For Each LF Shade Cloth, Add			35.81			
01 56 26 00-0070 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months			611.95			
For Shade Cloth, Add			89.53			
01 56 26 00-0071 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months			685.04			
For Shade Cloth, Add			107.43			
01 56 26 00-0072 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months			783.63			
For Shade Cloth, Add			134.29			
01 56 26 00-0073 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months			957.71			
For Shade Cloth, Add			179.06			
01 56 26 00-0074 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months			1,108.67			
For Shade Cloth, Add			214.87			
01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)						
01 56 26 00-0076 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months			424.38			
For Each LF Shade Cloth, Add			47.25			
01 56 26 00-0077 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months			735.15			
For Each LF Shade Cloth, Add			118.13			
01 56 26 00-0078 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months			824.57			
For Each LF Shade Cloth, Add			141.75			
01 56 26 00-0079 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months			941.90			
For Each LF Shade Cloth, Add			177.19			
01 56 26 00-0080 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months			1,151.40			
For Each LF Shade Cloth, Add			236.26			
01 56 26 00-0081 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months			1,326.93			
For Each LF Shade Cloth, Add			283.51			
01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)						
01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)						
01 56 26 00-0084 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months			304.30			
For Each LF Shade Cloth, Add			15.92			
01 56 26 00-0085 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months			513.39			
For Each LF Shade Cloth, Add			39.79			
01 56 26 00-0086 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months			575.78			
For Each LF Shade Cloth, Add			47.75			
01 56 26 00-0087 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months			654.79			
For Each LF Shade Cloth, Add			59.69			
01 56 26 00-0088 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months			785.56			
For Each LF Shade Cloth, Add			79.58			
01 56 26 00-0089 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months			873.01			
For Each LF Shade Cloth, Add			95.50			
01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)						
01 56 26 00-0091 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months			325.15			
For Each LF Shade Cloth, Add			25.37			
01 56 26 00-0092 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months			553.09			
For Each LF Shade Cloth, Add			63.42			
01 56 26 00-0093 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months			621.55			
For Each LF Shade Cloth, Add			76.10			
01 56 26 00-0094 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months			718.66			
For Each LF Shade Cloth, Add			95.12			
01 56 26 00-0095 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months			869.43			
For Each LF Shade Cloth, Add			126.83			
01 56 26 00-0096 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months			983.70			
For Each LF Shade Cloth, Add			152.20			
01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)						
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months			362.64			
For Each LF Shade Cloth, Add			35.81			
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months			631.97			
For Shade Cloth, Add			89.53			
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months			707.92			
For Shade Cloth, Add			107.43			
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months			809.37			
For Shade Cloth, Add			134.29			
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months			989.16			
For Shade Cloth, Add			179.06			
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months			1,142.99			
For Shade Cloth, Add			214.87			
01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)						
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months			440.47			
For Each LF Shade Cloth, Add			47.25			
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months			760.17			
For Each LF Shade Cloth, Add			118.13			
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months			853.17			
For Each LF Shade Cloth, Add			141.75			

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	.....	974.07	
		For Each LF Shade Cloth, Add	.....	177.19	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	.....	1,190.73	
		For Each LF Shade Cloth, Add	.....	236.26	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	.....	1,369.83	
		For Each LF Shade Cloth, Add	.....	283.51	
01 56 26 00-0111		Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)			
01 56 26 00-0112		4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)			
01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	.....	315.49	
		For Each LF Shade Cloth, Add	.....	15.92	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	.....	530.80	
		For Each LF Shade Cloth, Add	.....	39.79	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	.....	595.67	
		For Each LF Shade Cloth, Add	.....	47.75	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	.....	677.17	
		For Each LF Shade Cloth, Add	.....	59.69	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	.....	812.92	
		For Each LF Shade Cloth, Add	.....	79.58	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	.....	902.86	
		For Each LF Shade Cloth, Add	.....	95.50	
01 56 26 00-0119		6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)			
01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	.....	336.85	
		For Each LF Shade Cloth, Add	.....	25.37	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	.....	571.29	
		For Each LF Shade Cloth, Add	.....	63.42	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	.....	642.35	
		For Each LF Shade Cloth, Add	.....	76.10	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	.....	742.06	
		For Each LF Shade Cloth, Add	.....	95.12	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	.....	898.03	
		For Each LF Shade Cloth, Add	.....	126.83	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	.....	1,014.90	
		For Each LF Shade Cloth, Add	.....	152.20	
01 56 26 00-0126		8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)			
01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	.....	375.51	
		For Each LF Shade Cloth, Add	.....	35.81	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	.....	651.99	
		For Shade Cloth, Add	.....	89.53	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	.....	730.80	
		For Shade Cloth, Add	.....	107.43	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	.....	835.11	
		For Shade Cloth, Add	.....	134.29	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	.....	1,020.62	
		For Shade Cloth, Add	.....	179.06	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	.....	1,177.31	
		For Shade Cloth, Add	.....	214.87	
01 56 26 00-0133		10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)			
01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	.....	456.56	
		For Each LF Shade Cloth, Add	.....	47.25	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	.....	785.20	
		For Each LF Shade Cloth, Add	.....	118.13	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	.....	881.77	
		For Each LF Shade Cloth, Add	.....	141.75	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	.....	1,006.24	
		For Each LF Shade Cloth, Add	.....	177.19	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	.....	1,230.05	
		For Each LF Shade Cloth, Add	.....	236.26	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	.....	1,412.73	
		For Each LF Shade Cloth, Add	.....	283.51	
01 56 26 00-0140		Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)			
		Note: Includes delivery, set-up and removal. Excludes sandbags.			
01 56 26 00-0141		Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)			
01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	.....	7.69	
		For >100 To 250, Deduct	.....	-0.20	
		For >250 To 500, Deduct	.....	-0.40	
		For >500, Deduct	.....	-0.60	
		For Each LF Shade Cloth, Add	.....	1.60	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	.....	8.55	
		For >100 To 250, Deduct	.....	-0.22	
		For >250 To 500, Deduct	.....	-0.45	
		For >500, Deduct	.....	-0.67	
		For Each LF Shade Cloth, Add	.....	2.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0144	LF		Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	11.68	
			For >100 To 250, Deduct	-0.36	
			For >250 To 500, Deduct	-0.72	
			For >500, Deduct	-1.09	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0145			Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)		
01 56 26 00-0146	LF		Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.04	
			For >100 To 250, Deduct	-0.22	
			For >250 To 500, Deduct	-0.44	
			For >500, Deduct	-0.65	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0147	LF		Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.92	
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.49	
			For >500, Deduct	-0.73	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0148	LF		Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	12.30	
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.79	
			For >500, Deduct	-1.18	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0149			Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)		
01 56 26 00-0150	LF		Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.38	
			For >100 To 250, Deduct	-0.23	
			For >250 To 500, Deduct	-0.47	
			For >500, Deduct	-0.70	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0151	LF		Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	9.35	
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.53	
			For >500, Deduct	-0.79	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0152	LF		Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	13.02	
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.86	
			For >500, Deduct	-1.29	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0153			Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)		
01 56 26 00-0154	LF		Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	8.81	
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.51	
			For >500, Deduct	-0.77	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0155	LF		Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	9.78	
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.57	
			For >500, Deduct	-0.86	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0156	LF		Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	13.76	
			For >100 To 250, Deduct	-0.47	
			For >250 To 500, Deduct	-0.93	
			For >500, Deduct	-1.40	
			For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0157			Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)		
01 56 26 00-0158	BAG		Temporary Chain Link Fence Panels (Portable) Sandbag.....	6.97	
			Note: Includes placement and removal.		
01 56 26 00-0159			Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001)		
			Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160			Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)		
01 56 26 00-0161	LF		Relocate Temporary 4' High Chain Link Fence And Posts	3.97	
01 56 26 00-0162	LF		Relocate Temporary 6' High Chain Link Fence And Posts	5.96	
01 56 26 00-0163	LF		Relocate Temporary 8' High Chain Link Fence And Posts	8.60	
01 56 26 00-0164	LF		Relocate Temporary 10' High Chain Link Fence And Posts	10.58	
01 56 26 00-0165			Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)		
01 56 26 00-0166	LF		Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.92	
01 56 26 00-0167	LF		Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	1.10	
01 56 26 00-0168	LF		Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	1.24	
01 56 26 00-0169			Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)		
01 56 26 00-0170	EA		Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	120.08	
01 56 26 00-0171	EA		Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	138.56	
01 56 26 00-0172	EA		Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	170.89	
01 56 26 00-0173	EA		Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	184.75	

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

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

01 56 26 00-0174	Temporary Safety Fence (01 56 26)		
	Note: Includes removal after use.		
01 56 26 00-0175	LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence		3.58

01 56 29 Temporary Protective Walkways (01 56)

01 56 29 00-0001	Temporary Sidewalk Bridge Protection (01 56 29)		
01 56 29 00-0002	Installation of Sidewalk Bridge (01 56 29 00-0001)		
	Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.		
01 56 29 00-0003	LF Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly		194.56
	Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
	For 3 Post System, Add		6.00
	For Each Additional Foot Over 8' Wide, Add		3.00
	For Each Additional Foot Over 8' High, Add		2.00
01 56 29 00-0004	LF Installation of Netting for Sidewalk Bridge.....		4.95

01 56 29 00-0005 Monthly Rental of Sidewalk Bridge (01 56 29 00-0001)

	Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.		
01 56 29 00-0006	LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly.....		15.49
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add		2.32
01 56 29 00-0007	LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly.....		17.45
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add		2.62
01 56 29 00-0008	LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly.....		19.38
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add		2.91
01 56 29 00-0009	LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly.....		19.38
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add		2.91
01 56 29 00-0010	LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly.....		21.30
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add		3.20
01 56 29 00-0011	LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly.....		25.21
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add		3.78
01 56 29 00-0012	LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly.....		23.28
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add		3.49
01 56 29 00-0013	LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly.....		27.15
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add		4.07
01 56 29 00-0014	LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly.....		29.05
	Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
	For 3 Post System, Add		4.36
01 56 29 00-0015	LF Monthly Rental of Netting for Sidewalk Bridge.....		2.90

01 56 29 00-0016 Removal of Sidewalk Bridge (01 56 29 00-0001)

01 56 29 00-0017	LF Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly		40.50
	Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
	For 3 Post System, Add		2.50
	For Each Additional Foot Over 8' Wide, Add		1.25
	For Each Additional Foot Over 8' High, Add		0.75
01 56 29 00-0018	LF Removal Of Netting For Sidewalk Bridge.....		1.38

01 56 29 00-0019 Temporary Safety Nets (01 56 29)

	Note: Includes removal after use.		
01 56 29 00-0020	SF Small Mesh Debris Netting		2.90
	Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		

01 56 33 Temporary Security Barriers (01 56)

01 56 33 00-0001	Board-up Opening With Plywood (01 56 33)		
	Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002	OPNG Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....		13.86
01 56 33 00-0003	SF 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening		8.86
01 56 33 00-0004	SF 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening		10.25

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 33 00-0005	Temporary Pedestrian Barricade (01 56 33)	
	Note: Portable, interlocking galvanized steel fence with pivoting legs.	
01 56 33 00-0006	DAY 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	14.47
01 56 33 00-0007	WK 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	35.15
01 56 33 00-0008	MO 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	105.44

01 56 39 Temporary Tree and Plant Protection (01 56)

01 56 39 00-0001	Temporary Tree Guards (01 56 39)	
	Note: Includes digging holes and removal after use.	
01 56 39 00-0002	EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	203.64
01 56 39 00-0003	EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	242.10
01 56 39 00-0004	EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	263.26

01 57 Temporary Controls (01 50)

01 57 13 Temporary Erosion and Sediment Control (01 57)

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control (01 57)

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001	Temporary Drain Guard (01 57 23)	
	Note: Includes removal after use.	
01 57 23 00-0002	EA 36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	112.18
01 57 23 00-0003	EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217).....	110.06
	Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.	
01 57 23 00-0004	EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219).....	140.01
	Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.	
01 57 23 00-0005	EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356).....	137.86
	Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.	
01 57 23 00-0006	EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358).....	169.97
	Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.	

01 58 Project Identification (01 50)

Note: Includes removal after use.

01 58 13 Temporary Project Signage (01 58)

01 58 13 00-0001	Project Sign (01 58 13)	
01 58 13 00-0002	MDO Plywood Signs (01 58 13 00-0001)	
	Note: Excludes posts.	
01 58 13 00-0003	Reflectorized, MDO Plywood Signs (01 58 13 00-0002)	
01 58 13 00-0004	Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)	
01 58 13 00-0005	EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	162.25
	For High-Intensity Grade, Add	39.00
	For Diamond Grade, Add	75.22
01 58 13 00-0006	EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	275.99
	For High-Intensity Grade, Add	78.00
	For Diamond Grade, Add	150.44
01 58 13 00-0007	EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	389.74
	For High-Intensity Grade, Add	117.01
	For Diamond Grade, Add	225.66
01 58 13 00-0008	EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	503.48
	For High-Intensity Grade, Add	156.01
	For Diamond Grade, Add	300.87
01 58 13 00-0009	SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	15.78
	For High-Intensity Grade, Add	4.88
	For Diamond Grade, Add	9.40

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)

01 58 13 00-0011	One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)	
01 58 13 00-0012	EA Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	208.87
01 58 13 00-0013	EA >8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	248.91
01 58 13 00-0014	EA >16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	311.38
01 58 13 00-0015	EA >24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	370.38
01 58 13 00-0016	SF >32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	11.62

01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)

01 58 13 00-0018	EA Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	213.32
01 58 13 00-0019	EA >8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	272.90
01 58 13 00-0020	EA >16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	335.76
01 58 13 00-0021	EA >24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	391.27
01 58 13 00-0022	SF >32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	12.27

01	General Requirements
01 50	Temporary Facilities and Controls
01 58	Project Identification

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 58 13 00-0023		Fabricate And Install New Posts (01 58 13 00-0001) Note: Includes excavation, backfill and compaction. Excludes core drilling.	
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts.....	19.23
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts.....	14.85
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts.....	17.84
01 58 13 00-0027		Owner Supplied Signs (01 58 13 00-0001)	
01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign.....	92.38

01 60 Product Requirements (01)

01 66 Product Storage and Handling Requirements (01 60)

01 66 19 Product Handling Requirements (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001		Transfer Delivered Materials Between Floors (01 66 19) Note: For moving delivered, owner supplied or existing materials in a building.	
01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor..... Note: Quantity equals volume of materials multiplied by number of floors traveled.	17.77
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip..... Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	11.55
01 66 19 00-0004	CY	Transfer Delivered Material Between Floors Via Freight Elevator, Per Trip..... Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	16.82
01 66 19 00-0005		Transfer Delivered Materials Distances Greater Than 125' (01 66 19) Note: For moving delivered, owner supplied or existing materials in a building.	
01 66 19 00-0006	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'.....	7.21
01 66 19 00-0007	CY	Transfer Delivered Material With 2 CY Cart Greater Than 125', Per CY Of Material Per 125'..... Note: For delivery, demo or miscellaneous moving required by owner. Includes wrapping of cart and two person for movement.	14.44
01 66 19 00-0008		Transfer Demolition Debris Between Floors (01 66 19) Note: Only for use with demolition tasks.	
01 66 19 00-0009	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor..... Note: Quantity equals material volume times bulk factor times number of floors traveled.	17.77
01 66 19 00-0010	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip..... Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	11.55
01 66 19 00-0011	CY	Rubbish Handling Via Freight Elevator, Per CY Of Material Per Trip.....	15.15
01 66 19 00-0012		Transfer Demolition Debris Distances Greater Than 125' (01 66 19) Note: Only for use with demolition tasks.	
01 66 19 00-0013	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'.....	7.21
01 66 19 00-0014		Moving Furniture And Furnishings (01 66 19) Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.	
01 66 19 00-0015	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings..... Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.15

01 70 Execution and Closeout Requirements (01)

01 71 Examination and Preparation (01 70)

01 71 13 Mobilization (01 71)

01 71 13 00-0001		Equipment Delivery, Pickup, Mobilization And Demobilization (01 71 13) Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.	
01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	492.62
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed..... Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,536.72
01 71 13 00-0004		Crane Delivery, Pickup, Mobilization And Demobilization (01 71 13) Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0005 EA Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane.....	525.45	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	131.36	
For >60 To 100 Miles Radius, Add	210.18	
01 71 13 00-0006 EA >20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane	853.86	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	213.47	
For >60 To 100 Miles Radius, Add	341.54	
01 71 13 00-0007 EA >40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane	1,182.27	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	295.57	
For >60 To 100 Miles Radius, Add	472.91	
01 71 13 00-0008 EA >70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane	1,904.76	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	476.19	
For >60 To 100 Miles Radius, Add	761.90	
01 71 13 00-0009 EA >110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane	2,390.81	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	597.70	
For >60 To 100 Miles Radius, Add	956.32	
01 71 13 00-0010 EA >125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane	2,975.37	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	743.84	
For >60 To 100 Miles Radius, Add	1,190.15	
01 71 13 00-0011 EA >150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane	3,428.57	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	857.14	
For >60 To 100 Miles Radius, Add	1,371.43	
01 71 13 00-0012 EA >185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane	3,835.80	
Note: Includes delivery and pickup.		
For >30 To 60 Miles Radius, Add	958.95	
For >60 To 100 Miles Radius, Add	1,534.32	
01 71 13 00-0013 EA 75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	2,036.13	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	509.03	
For >60 To 100 Miles Radius, Add	814.45	
01 71 13 00-0014 EA 100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	3,218.40	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	804.60	
For >60 To 100 Miles Radius, Add	1,287.36	
01 71 13 00-0015 EA 125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	4,072.25	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,018.06	
For >60 To 100 Miles Radius, Add	1,628.90	
01 71 13 00-0016 EA 150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	5,057.47	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,264.37	
For >60 To 100 Miles Radius, Add	2,022.99	
01 71 13 00-0017 EA 200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	6,305.43	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,576.36	
For >60 To 100 Miles Radius, Add	2,522.17	
01 71 13 00-0018 EA 250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	7,356.33	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	1,839.08	
For >60 To 100 Miles Radius, Add	2,942.53	
01 71 13 00-0019 EA 300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	10,509.04	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	2,627.26	
For >60 To 100 Miles Radius, Add	4,203.62	
01 71 13 00-0020 EA 500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	14,410.52	
Note: Includes delivery, rigging and pickup.		
For >30 To 60 Miles Radius, Add	3,602.63	
For >60 To 100 Miles Radius, Add	5,764.21	

01 71 23 Field Engineering (01 71)

01 71 23 16 Construction Surveying (01 71 23)

01 71 23 16-0001 Conventional Topographic Survey (01 71 23 16)

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

01 71 23 16-0002 ACR Conventional Topographic Survey Of Clear Area With Few To No Obstacles	1,314.98
01 71 23 16-0003 ACR Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	3,671.65
01 71 23 16-0004 ACR Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings)	5,274.55
01 71 23 16-0005 ACR Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	7,916.54
01 71 23 16-0006 ACR Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings)	9,905.61

01 71 23 16-0007 Property Lines Survey (01 71 23 16)

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

01 71 23 16-0008 LF Survey Property Lines On Cleared Land	2.91
01 71 23 16-0009 LF Survey Property Lines On Slightly Wooded Land	3.36
01 71 23 16-0010 LF Survey Property Lines On Wooded Land	3.94

01 71 23 16-0011 Survey Monument (01 71 23 16)

01 General Requirements**01 70 Execution and Closeout Requirements****01 71 Examination and Preparation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

01 71 23 16-0012	EA	3' Precast Survey Monument.....	207.63
		<i>For Owner Furnished Monument, Deduct</i>	-82.09
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover.....	311.10
01 71 23 16-0014	EA	Riser Ring For Survey Monument.....	160.64
01 71 23 16-0015	EA	Adjust Survey Monument Cover To Grade.....	246.26

01 71 23 16-0016 Facade Surveying (01 71 23 16)

01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	8.00
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01 71 36 Non-Destructive Concrete Examination (01 71)**01 71 36 00-0001 Electromagnetic Survey (01 71 36)**

Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).

01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)

01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,161.90
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,742.85
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	3,485.70

01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys (01 71 36 00-0001)

01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	387.30
		Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	774.60
		Note: Includes GPS coordinates of located items and reference items.	
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,742.85
		Note: Includes additions to the owner provided CAD drawing.	

01 74 Cleaning and Waste Management (01 70)**01 74 13 Progress Cleaning (01 74)**

Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

01 74 13 00-0001 General (01 74 13)

01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	23.12
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster	27.07
		Note: Per CY of debris removed.	
01 74 13 00-0004	CSF	Wet Mop, Disinfect And High Efficiency Particulate Air (HEPA) Vacuum Floors (Three Step Process)	21.65
		Note: For use in contained areas for Class III or IV infection control.	

01 74 16 Site Maintenance (01 74)**01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance (01 74 16)**

Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.

01 74 16 00-0002 Parking Lot, Road, And Street Sweeping (01 74 16 00-0001)

01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	24.46
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	29.37

01 74 19 Construction Waste Management and Disposal (01 74)

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

01 74 19 00-0001 Debris Chutes (01 74 19)

Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

01 74 19 00-0002 Steel Temporary Debris Chutes (01 74 19 00-0001)

01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute.....	44.30
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute.....	67.08

01 74 19 00-0005 Plastic Temporary Debris Chutes (01 74 19 00-0001)

01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	17.53
		<i>For Steel Liner, Add</i>	3.43
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	20.10
		<i>For Steel Liner, Add</i>	3.94
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	22.66
		<i>For Steel Liner, Add</i>	4.45

01 74 19 00-0009 Wood Temporary Debris Chutes (01 74 19 00-0001)

01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute	34.47
		Note: Includes fabrication and installation.	

01 74 19 00-0011		Construction Dumpsters Rental (01 74 19)	
		Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.	
01 74 19 00-0012	EA	10 CY Dumpster (1 Ton) "Construction Debris".....	534.09
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		For Each Ton Over Indicated Amount, Add	98.50
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris".....	596.85
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		For Each Ton Over Indicated Amount, Add	98.50
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris".....	617.85
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		For Each Ton Over Indicated Amount, Add	98.50
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris".....	745.13
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		For Each Ton Over Indicated Amount, Add	98.50
01 74 19 00-0016	EA	40 CY Dumpster (6 Ton) "Construction Debris".....	896.35
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		For Each Ton Over Indicated Amount, Add	98.50
01 74 19 00-0017	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only".....	786.23
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	
01 74 19 00-0018	EA	15 CY Low-Boy Dumpster Clean Recyclable.....	857.94
		Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Mixed Recyclable.....	921.96
		Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	

01 74 19 00-0020		Concrete Washout Service (01 74 19)	
01 74 19 00-0021	MO	Rampless Concrete Washout Bin.....	531.71
		Note: Includes delivery.	
01 74 19 00-0022	MO	Ramped Concrete Washout Bin.....	638.06
		Note: Includes delivery.	
01 74 19 00-0023	EA	Interim Vacuum Service, Concrete Washout Bin.....	640.17
		Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	
01 74 19 00-0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin.....	1,387.04
		Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	

01 74 19 00-0025		Debris Processing Fee (01 74 19)	
01 74 19 00-0026		Material Recycling Fees (01 74 19 00-0025)	
		Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.	
01 74 19 00-0027	CY	Drop-Off Asphalt At Recycling Center.....	18.24
01 74 19 00-0028	CY	Drop-Off Non-Reinforced Concrete At Recycling Center.....	24.44
01 74 19 00-0029	CY	Drop-Off Reinforced Concrete At Recycling Center.....	36.66
01 74 19 00-0030	CY	Drop-Off Brick Or Block At Recycling Center.....	31.77
01 74 19 00-0031	CY	Drop-Off Dirt At Recycling Center.....	35.44
01 74 19 00-0032	CY	Drop-Off Dimensional Lumber At Recycling Center.....	17.11

01 74 19 00-0033		Landfill Dump Fees (01 74 19 00-0025)	
		Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.	
01 74 19 00-0034	CY	Traditional Building Construction Materials Landfill Dump Fee.....	16.26
01 74 19 00-0035	TON	Traditional Building Construction Materials, Landfill Dump Fee.....	70.88
01 74 19 00-0036	CY	Trees, Stumps And Brush, Landfill Dump Fee.....	19.58
01 74 19 00-0037	CY	Hazardous Materials And Rubbish Landfill Dump Fee.....	46.68
		Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	
01 74 19 00-0038	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee.....	33.17

01 74 19 00-0039		Hauling (01 74 19)	
		Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.	
01 74 19 00-0040	CYM	Hauling On Paved Roads, First 15 Miles.....	1.02
01 74 19 00-0041	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.68
01 74 19 00-0042	CYM	Hauling On Unimproved Roads, First 15 Miles.....	1.57
01 74 19 00-0043	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	1.23

01 74 23		Final Cleaning (01 74)	
01 74 23 00-0001		Cleaning Of Glass (01 74 23)	

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



MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST	

01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces	31.57
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01 90 Life Cycle Activities (01)

01 91 Commissioning (01 90)

01 91 13 General Commissioning Requirements (01 91)

01 91 13 00-0001	Commissioning Of Systems (01 91 13)		
	Note: For use with commissioning of mechanical and electrical systems.		
01 91 13 00-0002	HR	Commissioning - Fire Protection Sprinkler Systems	190.69
01 91 13 00-0003	HR	Commissioning - Plumbing Systems	256.65
01 91 13 00-0004	HR	Commissioning - HVAC/Mechanical Systems	288.73
01 91 13 00-0005	HR	Commissioning - Electrical/Fire Alarms/Security Systems	257.78

END OF SECTION 01

02 Existing Conditions

02 20 Assessment⁽⁰²⁾

02 25 Existing Material Assessment^(02 20)

02 25 16 Existing Concrete, Masonry or Asphalt Assessment^(02 25)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling^(02 25 16)

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation⁽⁰²⁾

02 32 Geotechnical Investigations^(02 30)

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

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

02 32 13 00-0001 Mobilization Of Drilling Crew^(02 32 13)

02 32 13 00-0002	EA	Mobilization Of Drilling Crew	1,232.71
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02 32 13 00-0003 Auger Borings^(02 32 13)

02 32 13 00-0004	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals	37.12
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02 32 13 00-0005 Cased Borings In Earth, With Samples^(02 32 13)

Note: All types of soils.

02 32 13 00-0006	LF	2-1/2" Diameter Cased Borings In Earth, With Samples	96.78
02 32 13 00-0007	LF	4" Diameter Cased Borings In Earth, With Samples	165.53

02 32 13 00-0008 Drilling In Rock, BW Core (2.125")^(02 32 13)

02 32 13 00-0009	LF	Drill In Rock, BW Core, With Casing	102.15
Note: Includes sampling.			
02 32 13 00-0010	EA	Drill In Rock, With BW Core Boxes	9.73

02 32 13 00-0011 Drilling In Rock, NW Core (2.98")^(02 32 13)

02 32 13 00-0012	LF	Drill In Rock, NW Core, With Casing	132.14
Note: Includes sampling.			
02 32 13 00-0013	EA	Drill In Rock, With NW Core Boxes	11.19

02 32 13 00-0014 Test Pits For Boring Activities^(02 32 13)

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits^(02 32 13 00-0014)

02 32 13 00-0016	CY	Excavation For Test Pit, Light Material, Backhoe Excavation	74.15
02 32 13 00-0017	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation	86.50
02 32 13 00-0018	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation	115.34

02 32 13 00-0019 Shelby Tube Sampling^(02 32 13)

02 32 13 00-0020	EA	Shelby Tube Sampling	55.95
02 32 13 00-0021	EA	Penetration Test	45.59

02 32 13 00-0022 Grouting^(02 32 13)

02 32 13 00-0023	VLF	Boreholes	10.61
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02 32 19 Exploratory Excavations^(02 32)

02 32 19 00-0001 Hydro Excavation^(02 32 19)

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1389 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0033 for off-site disposal fee of material, 01 74 19 00-0039 for hauling excavated soil from site.

02 32 19 00-0002	EA	Hydro Excavation, Minimum Charge	1,646.35
Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
02 32 19 00-0003	EA	600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day	940.77
Note: Includes initial water.			
02 32 19 00-0004	EA	1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day	1,175.97
Note: Includes initial water			
02 32 19 00-0005	EA	Move And Reset Up At Different Access/Location, Hydro Excavation	117.60
02 32 19 00-0006	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck)	98.08
Note: Normal soil conditions consist of silt, sand and gravel.			
02 32 19 00-0007	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck)	156.88
Note: Adverse soil conditions consist of clay, glacial till and rocks.			

02 Existing Conditions**02 40 Demolition and Structure Moving****02 32 Geotechnical Investigations**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
02 40 Demolition and Structure Moving (02)**02 41 Demolition** (02 40)**02 41 13 Selective Site Demolition** (02 41)**02 41 13 13 Paving Removal** (02 41 13)**02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete****Paving** (02 41 13 13)

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

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	7.79
		For >500 To 1,000, Deduct	-0.78
		For >1,000 To 2,500, Deduct	-1.40
		For >2,500 To 5,000, Deduct	-2.03
		For >5,000 To 10,000, Deduct	-2.65
		For >10,000, Deduct	-3.27
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	11.68
		For >500 To 1,000, Deduct	-1.17
		For >1,000 To 2,500, Deduct	-2.10
		For >2,500 To 5,000, Deduct	-3.04
		For >5,000 To 10,000, Deduct	-3.97
		For >10,000, Deduct	-4.91
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	15.58
		For >500 To 1,000, Deduct	-1.56
		For >1,000 To 2,500, Deduct	-2.80
		For >2,500 To 5,000, Deduct	-4.05
		For >5,000 To 10,000, Deduct	-5.30
		For >10,000, Deduct	-6.54
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	14.87
		For >500 To 1,000, Deduct	-1.49
		For >1,000 To 2,500, Deduct	-2.68
		For >2,500 To 5,000, Deduct	-3.87
		For >5,000 To 10,000, Deduct	-5.06
		For >10,000, Deduct	-6.25
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	20.99
		For >500 To 1,000, Deduct	-2.10
		For >1,000 To 2,500, Deduct	-3.78
		For >2,500 To 5,000, Deduct	-5.46
		For >5,000 To 10,000, Deduct	-7.14
		For >10,000, Deduct	-8.82
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	29.74
		For >500 To 1,000, Deduct	-2.97
		For >1,000 To 2,500, Deduct	-5.35
		For >2,500 To 5,000, Deduct	-7.73
		For >5,000 To 10,000, Deduct	-10.11
		For >10,000, Deduct	-12.49
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	41.98
		For >500 To 1,000, Deduct	-4.20
		For >1,000 To 2,500, Deduct	-7.56
		For >2,500 To 5,000, Deduct	-10.91
		For >5,000 To 10,000, Deduct	-14.27
		For >10,000, Deduct	-17.63
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	54.90
		For >500 To 1,000, Deduct	-5.49
		For >1,000 To 2,500, Deduct	-9.88
		For >2,500 To 5,000, Deduct	-14.27
		For >5,000 To 10,000, Deduct	-18.67
		For >10,000, Deduct	-23.06
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	71.37
		For >500 To 1,000, Deduct	-7.14
		For >1,000 To 2,500, Deduct	-12.85
		For >2,500 To 5,000, Deduct	-18.56
		For >5,000 To 10,000, Deduct	-24.27
		For >10,000, Deduct	-29.98

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

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0037 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.90
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.40
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	3.19
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.38
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	3.02
02 41 13 13-0017	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	3.98

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0018		By Machine, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)		
		¹³⁾ Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.		
02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	16.60	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.98	
		For Elevated Slab, Add	8.30	
		For >500 To 1,000, Deduct	-1.66	
		For >1,000 To 2,500, Deduct	-2.99	
		For >2,500 To 5,000, Deduct	-4.32	
		For >5,000 To 10,000, Deduct	-5.64	
		For >10,000, Deduct	-6.97	
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	22.65	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.80	
		For Elevated Slab, Add	11.33	
		For >500 To 1,000, Deduct	-2.27	
		For >1,000 To 2,500, Deduct	-4.08	
		For >2,500 To 5,000, Deduct	-5.89	
		For >5,000 To 10,000, Deduct	-7.70	
		For >10,000, Deduct	-9.51	
02 41 13 13-0021	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving	31.44	
		For Elevated Slab, Add	15.72	
		For >500 To 1,000, Deduct	-3.14	
		For >1,000 To 2,500, Deduct	-5.66	
		For >2,500 To 5,000, Deduct	-8.17	
		For >5,000 To 10,000, Deduct	-10.69	
		For >10,000, Deduct	-13.20	
02 41 13 13-0022	SY	>9" To 12" By Machine, Break-up And Remove Bituminous Paving	41.02	
		For Elevated Slab, Add	20.51	
		For >500 To 1,000, Deduct	-4.10	
		For >1,000 To 2,500, Deduct	-7.38	
		For >2,500 To 5,000, Deduct	-10.67	
		For >5,000 To 10,000, Deduct	-13.95	
		For >10,000, Deduct	-17.23	
02 41 13 13-0023	SY	>12" To 15" By Machine, Break-up And Remove Bituminous Paving	57.10	
		For Elevated Slab, Add	28.55	
		For >500 To 1,000, Deduct	-5.71	
		For >1,000 To 2,500, Deduct	-10.28	
		For >2,500 To 5,000, Deduct	-14.85	
		For >5,000 To 10,000, Deduct	-19.41	
		For >10,000, Deduct	-23.98	
02 41 13 13-0024	SY	Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	19.09	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.73	
		For Elevated Slab, Add	9.55	
		For >500 To 1,000, Deduct	-1.91	
		For >1,000 To 2,500, Deduct	-3.44	
		For >2,500 To 5,000, Deduct	-4.96	
		For >5,000 To 10,000, Deduct	-6.49	
		For >10,000, Deduct	-8.02	
02 41 13 13-0025	SY	>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	24.98	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.49	
		For Elevated Slab, Add	12.49	
		For >500 To 1,000, Deduct	-2.50	
		For >1,000 To 2,500, Deduct	-4.50	
		For >2,500 To 5,000, Deduct	-6.49	
		For >5,000 To 10,000, Deduct	-8.49	
		For >10,000, Deduct	-10.49	
02 41 13 13-0026	SY	>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	44.61	
		For Elevated Slab, Add	22.31	
		For >500 To 1,000, Deduct	-4.46	
		For >1,000 To 2,500, Deduct	-8.03	
		For >2,500 To 5,000, Deduct	-11.60	
		For >5,000 To 10,000, Deduct	-15.17	
		For >10,000, Deduct	-18.74	
02 41 13 13-0027	SY	>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	58.28	
		For Elevated Slab, Add	29.14	
		For >500 To 1,000, Deduct	-5.83	
		For >1,000 To 2,500, Deduct	-10.49	
		For >2,500 To 5,000, Deduct	-15.15	
		For >5,000 To 10,000, Deduct	-19.82	
		For >10,000, Deduct	-24.48	
02 41 13 13-0028	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	25.34	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.60	
		For Elevated Slab, Add	12.67	
		For >500 To 1,000, Deduct	-2.53	
		For >1,000 To 2,500, Deduct	-4.56	
		For >2,500 To 5,000, Deduct	-6.59	
		For >5,000 To 10,000, Deduct	-8.62	
		For >10,000, Deduct	-10.64	
02 41 13 13-0029	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	32.83	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	9.85	
		For Elevated Slab, Add	16.42	
		For >500 To 1,000, Deduct	-3.28	
		For >1,000 To 2,500, Deduct	-5.91	
		For >2,500 To 5,000, Deduct	-8.54	
		For >5,000 To 10,000, Deduct	-11.16	
		For >10,000, Deduct	-13.79	

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 41 13 13-0030	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	54.43
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	16.33
		For Elevated Slab, Add	27.22
		For >500 To 1,000, Deduct	-5.44
		For >1,000 To 2,500, Deduct	-9.80
		For >2,500 To 5,000, Deduct	-14.15
		For >5,000 To 10,000, Deduct	-18.51
		For >10,000, Deduct	-22.86
02 41 13 13-0031	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	27.47
		For Elevated Slab, Add	13.74
		For >500 To 1,000, Deduct	-2.75
		For >1,000 To 2,500, Deduct	-4.94
		For >2,500 To 5,000, Deduct	-7.14
		For >5,000 To 10,000, Deduct	-9.34
		For >10,000, Deduct	-11.54
02 41 13 13-0032	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	35.33
		For Elevated Slab, Add	17.67
		For >500 To 1,000, Deduct	-3.53
		For >1,000 To 2,500, Deduct	-6.36
		For >2,500 To 5,000, Deduct	-9.19
		For >5,000 To 10,000, Deduct	-12.01
		For >10,000, Deduct	-14.84
02 41 13 13-0033	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	63.17
		For Elevated Slab, Add	31.59
		For >500 To 1,000, Deduct	-6.32
		For >1,000 To 2,500, Deduct	-11.37
		For >2,500 To 5,000, Deduct	-16.42
		For >5,000 To 10,000, Deduct	-21.48
		For >10,000, Deduct	-26.53
02 41 13 13-0034	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	82.43
		For Elevated Slab, Add	41.22
		For >500 To 1,000, Deduct	-8.24
		For >1,000 To 2,500, Deduct	-14.84
		For >2,500 To 5,000, Deduct	-21.43
		For >5,000 To 10,000, Deduct	-28.03
		For >10,000, Deduct	-34.62
02 41 13 13-0035	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	107.78
		For Elevated Slab, Add	53.89
		For >500 To 1,000, Deduct	-10.78
		For >1,000 To 2,500, Deduct	-19.40
		For >2,500 To 5,000, Deduct	-28.02
		For >5,000 To 10,000, Deduct	-36.65
		For >10,000, Deduct	-45.27
02 41 13 13-0036	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	130.79
		For Elevated Slab, Add	65.40
		For >500 To 1,000, Deduct	-13.08
		For >1,000 To 2,500, Deduct	-23.54
		For >2,500 To 5,000, Deduct	-34.01
		For >5,000 To 10,000, Deduct	-44.47
		For >10,000, Deduct	-54.93

02 41 13 13-0037 By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 13 13-0038	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	4.23
02 41 13 13-0039	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	5.58
02 41 13 13-0040	SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving	7.24
02 41 13 13-0041	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving	5.29
02 41 13 13-0042	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving	7.31
02 41 13 13-0043	SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving	9.37
02 41 13 13-0044	SF	Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	7.42
02 41 13 13-0045	SF	>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	10.23
02 41 13 13-0046	SF	>6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving	13.11

02 41 13 13-0047 Grind Concrete (02 41 13 13)

02 41 13 13-0048	EA	Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard)	265.61
		Note: For each location up to 5' wide, feather up to 12" each direction.	
		For >1/2" To 1" Depth Of Grinding, Add	39.84
		For >1" To 1-1/2" Depth Of Grinding, Add	66.40
		For Up To 5, Add	53.12
		For >5 To 10, Add	26.56
		For >25 To 50, Deduct	-26.56
		For >50 To 250, Deduct	-39.84
		For >250, Deduct	-53.12
		For Sidewalks >5', Add	26.56
		For Up To 12" Additional Feathering Per Side, Add	26.56

02 41 13 15 Hydro Demolition (02 41 13)
02 41 13 15-0001 Hydro Demolition Of Concrete Pavement (02 41 13 15)

Note: Includes removal but excludes disposal of concrete.

02 41 13 15-0002	SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	8.25
02 41 13 15-0003	SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	10.30
02 41 13 15-0004	SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	13.79

			Existing Conditions	02	02
			Demolition and Structure Moving	02 40	
			Demolition	02 41	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 13 15-0005 SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....27.45

02 41 16 Structure Demolition (02 41)

02 41 16 13 Building Demolition (02 41 16)

02 41 16 13-0001	Building Interior Demolition (02 41 16 13)	
Note: Guttled and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.		
02 41 16 13-0002	GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	8.24
02 41 16 13-0003	GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	12.46
02 41 16 13-0004	GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	10.20
02 41 16 13-0005	GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	9.06

02 41 16 13-0006 Commercial And Residential Structures Demolition (02 41 16 13)

Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.

02 41 16 13-0007 Steel Framed Building Demolition (02 41 16 13-0006)

Note: Includes masonry partitions and concrete decks.

02 41 16 13-0008	CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition	77.58
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-5.82
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-11.64
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-17.46
	For Up To 500, Add	23.27
	For >500 To 1,000, Add	15.52
	For >1,000 To 2,000, Add	7.76
	For Volume Of Area Within 15' To An Adjacent Building, Add	25.60
	For No Interior Partitions, Deduct	-19.40
02 41 16 13-0009	CCF By Machine, Steel Framed Building Demolition	49.02
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-3.68
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-7.35
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-11.03
	For Up To 500, Add	14.71
	For >500 To 1,000, Add	9.80
	For >1,000 To 2,000, Add	4.90
	For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	7.35
	For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	12.26
	For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	17.16
	For Volume Of Area Within 15' To An Adjacent Building, Add	16.18
	For No Interior Partitions, Deduct	-12.26

02 41 16 13-0010 Reinforced Concrete Building Demolition (02 41 16 13-0006)

02 41 16 13-0011	CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition	97.36
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-7.30
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-14.60
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-21.91
	For Up To 500, Add	29.21
	For >500 To 1,000, Add	19.47
	For >1,000 To 2,000, Add	9.74
	For Volume Of Area Within 15' To An Adjacent Building, Add	32.13
	For No Interior Partitions, Deduct	-24.34
02 41 16 13-0012	CCF By Machine, Reinforced Concrete Building Demolition	64.72
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct	-4.85
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct	-9.71
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct	-14.56
	For Up To 500, Add	19.42
	For >500 To 1,000, Add	12.94
	For >1,000 To 2,000, Add	6.47
	For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	9.71
	For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	16.18
	For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	22.65
	For Volume Of Area Within 15' To An Adjacent Building, Add	21.36
	For No Interior Partitions, Deduct	-16.18

02 41 16 13-0013 Reinforced Block Masonry Building Demolition (02 41 16 13-0006)

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition	82.89		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-6.22		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-12.43		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-18.65		
		For Up To 500, Add	24.87		
		For >500 To 1,000, Add	16.58		
		For >1,000 To 2,000, Add	8.29		
		For Volume Of Area Within 15' To An Adjacent Building, Add	27.35		
		For No Interior Partitions, Deduct	-20.72		
02 41 16 13-0015	CCF	By Machine, Reinforced Block Masonry Building Demolition	54.35		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.08		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-8.15		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-12.23		
		For Up To 500, Add	16.31		
		For >500 To 1,000, Add	10.87		
		For >1,000 To 2,000, Add	5.44		
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	8.15		
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	13.59		
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	19.02		
		For Volume Of Area Within 15' To An Adjacent Building, Add	17.94		
		For No Interior Partitions, Deduct	-13.59		
02 41 16 13-0016		Masonry Construction Building Demolition (02 41 16 13-0006)			
02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition	68.42		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-5.13		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-10.26		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-15.39		
		For Up To 500, Add	20.53		
		For >500 To 1,000, Add	13.68		
		For >1,000 To 2,000, Add	6.84		
		For Volume Of Area Within 15' To An Adjacent Building, Add	22.58		
		For No Interior Partitions, Deduct	-17.11		
02 41 16 13-0018	CCF	By Machine, Masonry Construction Building Demolition	43.98		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.30		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-6.60		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-9.90		
		For Up To 500, Add	13.19		
		For >500 To 1,000, Add	8.80		
		For >1,000 To 2,000, Add	4.40		
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	6.60		
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	11.00		
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	15.39		
		For Volume Of Area Within 15' To An Adjacent Building, Add	14.51		
		For No Interior Partitions, Deduct	-11.00		
02 41 16 13-0019		Wood Frame Construction Building Demolition (02 41 16 13-0006)			
02 41 16 13-0020	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	59.46		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-4.46		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-8.92		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-13.38		
		For Up To 500, Add	17.84		
		For >500 To 1,000, Add	11.89		
		For >1,000 To 2,000, Add	5.95		
		For Volume Of Area Within 15' To An Adjacent Building, Add	19.62		
		For No Interior Partitions, Deduct	-14.87		
02 41 16 13-0021	CCF	By Machine, Wood Frame Construction Building Demolition	37.64		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.82		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-5.65		
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-8.47		
		For Up To 500, Add	11.29		
		For >500 To 1,000, Add	7.53		
		For >1,000 To 2,000, Add	3.76		
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	5.65		
		For Volume Of Area Within 15' To An Adjacent Building, Add	12.42		
		For No Interior Partitions, Deduct	-9.41		
02 41 16 13-0022		Sorting Of Material Debris For Recycling Prior To Hauling Off (02 41 16 13-0006)			
		Note: Per building volume.			
02 41 16 13-0023	CCF	Sorting Of Material Debris For Recycling Prior To Hauling Off	10.15		
		For Up To 500, Add	3.05		
		For >500 To 1,000, Add	2.03		
		For >1,000 To 2,000, Add	1.02		
02 41 16 13-0024		Foundation Demolition (02 41 16 13)			
		Note: Excludes earthwork. See CSI section 31 00 00 00-0000 for earthwork.			
02 41 16 13-0025		Concrete Foundation Demolition (02 41 16 13-0024)			
02 41 16 13-0026	CF	Non-Reinforced Concrete Foundation Demolition	16.02		
		For >135 To 405, Deduct	-1.40		
		For >405 To 810, Deduct	-2.80		
		For >810 To 2025, Deduct	-4.01		
		For >2025, Deduct	-6.41		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0027	CF		Reinforced Concrete Foundation Demolition	19.23	
			For >135 To 405, Deduct	-1.68	
			For >405 To 810, Deduct	-3.37	
			For >810 To 2025, Deduct	-4.81	
			For >2025, Deduct	-7.69	
02 41 16 13-0028 Concrete Foundation Wall Demolition (02 41 16 13-0024)					
02 41 16 13-0029	SF	4"	Thick Non-Reinforced Concrete Foundation Wall Demolition	6.87	
			For >500 To 2,000, Deduct	-0.52	
			For >2,000 To 6,000, Deduct	-1.37	
			For >6,000 To 8,000, Deduct	-2.40	
			For >8,000, Deduct	-3.78	
02 41 16 13-0030	SF	6"	Thick Non-Reinforced Concrete Foundation Wall Demolition	9.16	
			For >500 To 2,000, Deduct	-0.69	
			For >2,000 To 6,000, Deduct	-1.83	
			For >6,000 To 8,000, Deduct	-3.21	
			For >8,000, Deduct	-5.04	
02 41 16 13-0031	SF	8"	Thick Non-Reinforced Concrete Foundation Wall Demolition	11.44	
			For >500 To 2,000, Deduct	-0.86	
			For >2,000 To 6,000, Deduct	-2.29	
			For >6,000 To 8,000, Deduct	-4.00	
			For >8,000, Deduct	-6.29	
02 41 16 13-0032	SF	10"	Thick Non-Reinforced Concrete Foundation Wall Demolition	13.73	
			For >500 To 2,000, Deduct	-1.03	
			For >2,000 To 6,000, Deduct	-2.75	
			For >6,000 To 8,000, Deduct	-4.81	
			For >8,000, Deduct	-7.55	
02 41 16 13-0033	SF	12"	Thick Non-Reinforced Concrete Foundation Wall Demolition	16.02	
			For >500 To 2,000, Deduct	-1.20	
			For >2,000 To 6,000, Deduct	-3.20	
			For >6,000 To 8,000, Deduct	-5.61	
			For >8,000, Deduct	-8.81	
02 41 16 13-0034	SF	16"	Thick Non-Reinforced Concrete Foundation Wall Demolition	18.31	
			For >500 To 2,000, Deduct	-1.37	
			For >2,000 To 6,000, Deduct	-3.66	
			For >6,000 To 8,000, Deduct	-6.41	
			For >8,000, Deduct	-10.07	
02 41 16 13-0035	SF	4"	Thick Reinforced Concrete Foundation Wall Demolition	8.24	
			For >500 To 2,000, Deduct	-0.62	
			For >2,000 To 6,000, Deduct	-1.65	
			For >6,000 To 8,000, Deduct	-2.88	
			For >8,000, Deduct	-4.53	
02 41 16 13-0036	SF	6"	Thick Reinforced Concrete Foundation Wall Demolition	10.99	
			For >500 To 2,000, Deduct	-0.82	
			For >2,000 To 6,000, Deduct	-2.20	
			For >6,000 To 8,000, Deduct	-3.85	
			For >8,000, Deduct	-6.04	
02 41 16 13-0037	SF	8"	Thick Reinforced Concrete Foundation Wall Demolition	13.73	
			For >500 To 2,000, Deduct	-1.03	
			For >2,000 To 6,000, Deduct	-2.75	
			For >6,000 To 8,000, Deduct	-4.81	
			For >8,000, Deduct	-7.55	
02 41 16 13-0038	SF	10"	Thick Reinforced Concrete Foundation Wall Demolition	16.25	
			For >500 To 2,000, Deduct	-1.22	
			For >2,000 To 6,000, Deduct	-3.25	
			For >6,000 To 8,000, Deduct	-5.69	
			For >8,000, Deduct	-8.94	
02 41 16 13-0039	SF	12"	Thick Reinforced Concrete Foundation Wall Demolition	19.23	
			For >500 To 2,000, Deduct	-1.44	
			For >2,000 To 6,000, Deduct	-3.85	
			For >6,000 To 8,000, Deduct	-6.73	
			For >8,000, Deduct	-10.58	
02 41 16 13-0040	SF	16"	Thick Reinforced Concrete Foundation Wall Demolition	21.98	
			For >500 To 2,000, Deduct	-1.65	
			For >2,000 To 6,000, Deduct	-4.40	
			For >6,000 To 8,000, Deduct	-7.69	
			For >8,000, Deduct	-12.09	
02 41 16 13-0041 Concrete Block Foundation Wall Demolition (02 41 16 13-0024)					
02 41 16 13-0042	SF	4"	Thick Non-Reinforced Concrete Block Foundation Wall Demolition	5.03	
			For >500 To 2,000, Deduct	-0.38	
			For >2,000 To 6,000, Deduct	-1.01	
			For >6,000 To 8,000, Deduct	-1.76	
			For >8,000, Deduct	-2.77	
02 41 16 13-0043	SF	6"	Thick Non-Reinforced Concrete Block Foundation Wall Demolition	5.38	
			For >500 To 2,000, Deduct	-0.40	
			For >2,000 To 6,000, Deduct	-1.08	
			For >6,000 To 8,000, Deduct	-1.88	
			For >8,000, Deduct	-2.96	
02 41 16 13-0044	SF	8"	Thick Non-Reinforced Concrete Block Foundation Wall Demolition	6.07	
			For >500 To 2,000, Deduct	-0.46	
			For >2,000 To 6,000, Deduct	-1.21	
			For >6,000 To 8,000, Deduct	-2.12	
			For >8,000, Deduct	-3.34	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
02 41 16 13-0045	SF	10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	6.98		
		For >500 To 2,000, Deduct	-0.52		
		For >2,000 To 6,000, Deduct	-1.40		
		For >6,000 To 8,000, Deduct	-2.44		
		For >8,000, Deduct	-3.84		
02 41 16 13-0046	SF	12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	7.78		
		For >500 To 2,000, Deduct	-0.58		
		For >2,000 To 6,000, Deduct	-1.56		
		For >6,000 To 8,000, Deduct	-2.72		
		For >8,000, Deduct	-4.28		
02 41 16 13-0047	SF	16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition	9.73		
		For >500 To 2,000, Deduct	-0.73		
		For >2,000 To 6,000, Deduct	-1.95		
		For >6,000 To 8,000, Deduct	-3.41		
		For >8,000, Deduct	-5.35		
02 41 16 13-0048	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition	6.05		
		For >500 To 2,000, Deduct	-0.45		
		For >2,000 To 6,000, Deduct	-1.21		
		For >6,000 To 8,000, Deduct	-2.12		
		For >8,000, Deduct	-3.33		
02 41 16 13-0049	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition	6.46		
		For >500 To 2,000, Deduct	-0.48		
		For >2,000 To 6,000, Deduct	-1.29		
		For >6,000 To 8,000, Deduct	-2.26		
		For >8,000, Deduct	-3.55		
02 41 16 13-0050	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition	7.28		
		For >500 To 2,000, Deduct	-0.55		
		For >2,000 To 6,000, Deduct	-1.46		
		For >6,000 To 8,000, Deduct	-2.55		
		For >8,000, Deduct	-4.00		
02 41 16 13-0051	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition	8.38		
		For >500 To 2,000, Deduct	-0.63		
		For >2,000 To 6,000, Deduct	-1.68		
		For >6,000 To 8,000, Deduct	-2.93		
		For >8,000, Deduct	-4.61		
02 41 16 13-0052	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition	9.34		
		For >500 To 2,000, Deduct	-0.70		
		For >2,000 To 6,000, Deduct	-1.87		
		For >6,000 To 8,000, Deduct	-3.27		
		For >8,000, Deduct	-5.14		
02 41 16 13-0053	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition	11.68		
		For >500 To 2,000, Deduct	-0.88		
		For >2,000 To 6,000, Deduct	-2.34		
		For >6,000 To 8,000, Deduct	-4.09		
		For >8,000, Deduct	-6.42		
02 41 16 13-0054 Brick Foundation Wall Demolition (02 41 16 13-0024)					
02 41 16 13-0055	SF	4" Thick Brick Foundation Wall Demolition	5.03		
		For >500 To 2,000, Deduct	-0.38		
		For >2,000 To 6,000, Deduct	-1.01		
		For >6,000 To 8,000, Deduct	-1.76		
		For >8,000, Deduct	-2.77		
02 41 16 13-0056	SF	6" Thick Brick Foundation Wall Demolition	5.38		
		For >500 To 2,000, Deduct	-0.40		
		For >2,000 To 6,000, Deduct	-1.08		
		For >6,000 To 8,000, Deduct	-1.88		
		For >8,000, Deduct	-2.96		
02 41 16 13-0057	SF	8" Thick Brick Foundation Wall Demolition	6.07		
		For >500 To 2,000, Deduct	-0.46		
		For >2,000 To 6,000, Deduct	-1.21		
		For >6,000 To 8,000, Deduct	-2.12		
		For >8,000, Deduct	-3.34		
02 41 16 13-0058	SF	10" Thick Brick Foundation Wall Demolition	6.98		
		For >500 To 2,000, Deduct	-0.52		
		For >2,000 To 6,000, Deduct	-1.40		
		For >6,000 To 8,000, Deduct	-2.44		
		For >8,000, Deduct	-3.84		
02 41 16 13-0059	SF	12" Thick Brick Foundation Wall Demolition	7.78		
		For >500 To 2,000, Deduct	-0.58		
		For >2,000 To 6,000, Deduct	-1.56		
		For >6,000 To 8,000, Deduct	-2.72		
		For >8,000, Deduct	-4.28		
02 41 16 13-0060	SF	16" Thick Brick Foundation Wall Demolition	9.73		
		For >500 To 2,000, Deduct	-0.73		
		For >2,000 To 6,000, Deduct	-1.95		
		For >6,000 To 8,000, Deduct	-3.41		
		For >8,000, Deduct	-5.35		
02 41 16 13-0061 Stone Foundation Demolition (02 41 16 13-0024)					
02 41 16 13-0062	CF	Stone Footing Or Foundation Wall Demolition	16.02		
		For >135 To 405, Deduct	-1.40		
		For >405 To 810, Deduct	-2.80		
		For >810 To 2025, Deduct	-4.01		
		For >2025, Deduct	-6.41		
02 41 16 13-0063 Other Foundation Demolition (02 41 16 13-0024)					

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 16 13-0064	CF	Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition	16.85	
		Note: Includes excavation.		
		For >135 To 405, Deduct		-1.47
		For >405 To 810, Deduct		-2.95
		For >810 To 2025, Deduct		-4.21
		For >2025, Deduct		-6.74

02 41 19 Selective Demolition (02 41)

02 41 19 13 Selective Building Demolition (02 41 19)

02 41 19 13-0001	EA	Saw Cutting (02 41 19 13) Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0002	EA	Saw Cut Minimum Charge	1,160.49	
		Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0003	LF	Bituminous Paving Up To 4" Depth, Saw Cut	2.58	
		For Each Additional Pass (Depth To 3"), Add	0.99	
		For >250, Deduct	-0.24	
02 41 19 13-0004	LF	Brick Masonry Up To 4" Depth, Saw Cut	9.47	
		For Each Additional Pass (Depth To 3"), Add	3.73	
		For >250, Deduct	-0.93	
02 41 19 13-0005	LF	Concrete Block Up To 4" Depth, Saw Cut	8.58	
		For Each Additional Pass (Depth To 3"), Add	3.38	
		For >250, Deduct	-0.84	
02 41 19 13-0006	LF	Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	2.98	
		For Each Additional Pass (Depth To 3"), Add	1.13	
		For >250, Deduct	-0.28	
02 41 19 13-0007	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	3.91	
		For Each Additional Pass (Depth To 3"), Add	1.49	
		For >250, Deduct	-0.37	
02 41 19 13-0008	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	6.39	
		For Each Additional Pass (Depth To 3"), Add	2.48	
		For >250, Deduct	-0.61	
02 41 19 13-0009	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut	12.09	
		For Each Additional Pass (Depth To 3"), Add	4.77	
		For >250, Deduct	-1.19	
02 41 19 13-0010	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	16.25	
		For Each Additional Pass (Depth To 3"), Add	6.42	
		For >250, Deduct	-1.60	
02 41 19 13-0011	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets	3.25	
		For Each Additional Pass (Depth To 3"), Add	1.17	
		For >250, Deduct	-0.28	
02 41 19 13-0012	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut	8.62	
		For Each Additional Pass (Depth To 3"), Add	3.39	
		For >250, Deduct	-0.84	
02 41 19 13-0013	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	8.62	
		For Each Additional Pass (Depth To 3"), Add	3.39	
		For >250, Deduct	-0.84	
02 41 19 13-0014	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	8.62	
		For Each Additional Pass (Depth To 3"), Add	3.39	
		For >250, Deduct	-0.84	
02 41 19 13-0015	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	8.62	
		For Each Additional Pass (Depth To 3"), Add	3.39	
		For >250, Deduct	-0.84	

02 41 19 13-0016 Torch Cutting (02 41 19 13)

		Note: Includes grinding edge		
02 41 19 13-0017	LF	Up To 1/2", Torch Cut Steel Plate	3.18	
02 41 19 13-0018	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	6.37	
02 41 19 13-0019	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	9.55	
02 41 19 13-0020	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	12.73	
02 41 19 13-0021	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	15.93	
02 41 19 13-0022	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	19.11	
02 41 19 13-0023	EA	Torch Cutting Minimum Charge	1,044.85	
		Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

02 41 19 13-0024 Drilling In Existing Materials (02 41 19 13)

Note: Includes drill bit wear, water, layout, set-up and clean-up.

02 41 19 13-0025 Concrete Core Drilling (02 41 19 13-0024)

02 41 19 13-0026 Up To 4" Thick Concrete Core Drilling (02 41 19 13-0025)

02 41 19 13-0027	EA	Drill 1" Diameter Core In Up To 4" Concrete	45.76	
		For Horizontal Cores, Add	9.05	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.10	
02 41 19 13-0028	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	50.77	
		For Horizontal Cores, Add	10.05	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.10	
02 41 19 13-0029	EA	Drill 2" Diameter Core In Up To 4" Concrete	56.38	
		For Horizontal Cores, Add	11.17	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.35	

02 Existing Conditions**02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
02 41 19 13-0030	EA Drill 3" Diameter Core In Up To 4" Concrete.....	80.49		
	For Horizontal Cores, Add	15.96		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.92		
02 41 19 13-0031	EA Drill 4" Diameter Core In Up To 4" Concrete.....	107.86		
	For Horizontal Cores, Add	21.39		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	42.77		
02 41 19 13-0032	EA Drill 6" Diameter Core In Up To 4" Concrete.....	120.87		
	For Horizontal Cores, Add	23.94		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.88		
02 41 19 13-0033	EA Drill 8" Diameter Core In Up To 4" Concrete.....	193.13		
	For Horizontal Cores, Add	38.31		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	76.61		
02 41 19 13-0034	EA Drill 10" Diameter Core In Up To 4" Concrete.....	241.59		
	For Horizontal Cores, Add	47.88		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	95.76		
02 41 19 13-0035	EA Drill 12" Diameter Core In Up To 4" Concrete.....	281.94		
	For Horizontal Cores, Add	55.86		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	111.73		
02 41 19 13-0036	EA Drill 14" Diameter Core In Up To 4" Concrete.....	322.30		
	For Horizontal Cores, Add	63.84		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	127.67		
02 41 19 13-0037	EA Drill 18" Diameter Core In Up To 4" Concrete.....	363.07		
	For Horizontal Cores, Add	71.81		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	143.62		
02 41 19 13-0038 >4" To 6" Thick Concrete Core Drilling (02 41 19 13-0025)				
02 41 19 13-0039	EA Drill 1" Diameter Core In >4" To 6" Concrete.....	65.42		
	For Horizontal Cores, Add	12.93		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.85		
02 41 19 13-0040	EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	72.60		
	For Horizontal Cores, Add	14.36		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.72		
02 41 19 13-0041	EA Drill 2" Diameter Core In >4" To 6" Concrete.....	80.58		
	For Horizontal Cores, Add	15.96		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.92		
02 41 19 13-0042	EA Drill 3" Diameter Core In >4" To 6" Concrete.....	96.85		
	For Horizontal Cores, Add	19.15		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.31		
02 41 19 13-0043	EA Drill 4" Diameter Core In >4" To 6" Concrete.....	121.13		
	For Horizontal Cores, Add	23.94		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.88		
02 41 19 13-0044	EA Drill 6" Diameter Core In >4" To 6" Concrete.....	161.38		
	For Horizontal Cores, Add	31.92		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	63.84		
02 41 19 13-0045	EA Drill 8" Diameter Core In >4" To 6" Concrete.....	241.83		
	For Horizontal Cores, Add	47.88		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	95.76		
02 41 19 13-0046	EA Drill 10" Diameter Core In >4" To 6" Concrete.....	282.59		
	For Horizontal Cores, Add	55.86		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	111.73		
02 41 19 13-0047	EA Drill 12" Diameter Core In >4" To 6" Concrete.....	323.10		
	For Horizontal Cores, Add	63.84		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	127.67		
02 41 19 13-0048	EA Drill 14" Diameter Core In >4" To 6" Concrete.....	363.82		
	For Horizontal Cores, Add	71.81		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	143.62		
02 41 19 13-0049	EA Drill 18" Diameter Core In >4" To 6" Concrete.....	405.15		
	For Horizontal Cores, Add	79.80		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	159.59		
02 41 19 13-0050 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)				
02 41 19 13-0051	EA Drill 1" Diameter Core In >6" To 8" Concrete.....	72.17		
	For Horizontal Cores, Add	14.22		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.44		
02 41 19 13-0052	EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	80.08		
	For Horizontal Cores, Add	15.80		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.60		
02 41 19 13-0053	EA Drill 2" Diameter Core In >6" To 8" Concrete.....	88.85		
	For Horizontal Cores, Add	17.56		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.11		
02 41 19 13-0054	EA Drill 3" Diameter Core In >6" To 8" Concrete.....	105.21		
	For Horizontal Cores, Add	20.75		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.50		
02 41 19 13-0055	EA Drill 4" Diameter Core In >6" To 8" Concrete.....	137.58		
	For Horizontal Cores, Add	27.13		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.26		
02 41 19 13-0056	EA Drill 6" Diameter Core In >6" To 8" Concrete.....	193.91		
	For Horizontal Cores, Add	38.31		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	76.61		
02 41 19 13-0057	EA Drill 8" Diameter Core In >6" To 8" Concrete.....	322.43		
	For Horizontal Cores, Add	63.84		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	127.67		
02 41 19 13-0058	EA Drill 10" Diameter Core In >6" To 8" Concrete.....	363.41		
	For Horizontal Cores, Add	71.81		
	For Overhead Ceiling Cores (Where Not Accessible From Above), Add	143.62		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
02 41 19 13-0059	EA		Drill 12" Diameter Core In >6" To 8" Concrete.....	404.20	
			For Horizontal Cores, Add	79.80	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	159.59	
02 41 19 13-0060	EA		Drill 14" Diameter Core In >6" To 8" Concrete.....	445.22	
			For Horizontal Cores, Add	87.76	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	175.52	
02 41 19 13-0061	EA		Drill 18" Diameter Core In >6" To 8" Concrete.....	487.15	
			For Horizontal Cores, Add	95.76	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	191.52	
02 41 19 13-0062 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0025)					
02 41 19 13-0063	EA		Drill 1" Diameter Core In >8" To 10" Concrete.....	85.37	
			For Horizontal Cores, Add	16.80	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.61	
02 41 19 13-0064	EA		Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	94.71	
			For Horizontal Cores, Add	18.67	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	37.34	
02 41 19 13-0065	EA		Drill 2" Diameter Core In >8" To 10" Concrete.....	105.09	
			For Horizontal Cores, Add	20.75	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.50	
02 41 19 13-0066	EA		Drill 3" Diameter Core In >8" To 10" Concrete.....	121.56	
			For Horizontal Cores, Add	23.94	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.88	
02 41 19 13-0067	EA		Drill 4" Diameter Core In >8" To 10" Concrete.....	138.08	
			For Horizontal Cores, Add	27.13	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.26	
02 41 19 13-0068	EA		Drill 6" Diameter Core In >8" To 10" Concrete.....	194.52	
			For Horizontal Cores, Add	38.31	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	76.61	
02 41 19 13-0069	EA		Drill 8" Diameter Core In >8" To 10" Concrete.....	323.25	
			For Horizontal Cores, Add	63.84	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	127.67	
02 41 19 13-0070	EA		Drill 10" Diameter Core In >8" To 10" Concrete.....	364.50	
			For Horizontal Cores, Add	71.81	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	143.62	
02 41 19 13-0071	EA		Drill 12" Diameter Core In >8" To 10" Concrete.....	405.43	
			For Horizontal Cores, Add	79.78	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	159.56	
02 41 19 13-0072	EA		Drill 14" Diameter Core In >8" To 10" Concrete.....	446.87	
			For Horizontal Cores, Add	87.76	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	175.52	
02 41 19 13-0073	EA		Drill 18" Diameter Core In >8" To 10" Concrete.....	489.19	
			For Horizontal Cores, Add	95.74	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	191.48	
02 41 19 13-0074 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0025)					
02 41 19 13-0075	EA		Drill 1" Diameter Core In >10" To 12" Concrete.....	92.13	
			For Horizontal Cores, Add	18.10	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.20	
02 41 19 13-0076	EA		Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	102.18	
			For Horizontal Cores, Add	20.11	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.22	
02 41 19 13-0077	EA		Drill 2" Diameter Core In >10" To 12" Concrete.....	113.35	
			For Horizontal Cores, Add	22.34	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	44.69	
02 41 19 13-0078	EA		Drill 3" Diameter Core In >10" To 12" Concrete.....	121.95	
			For Horizontal Cores, Add	23.94	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.88	
02 41 19 13-0079	EA		Drill 4" Diameter Core In >10" To 12" Concrete.....	162.52	
			For Horizontal Cores, Add	31.92	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	63.84	
02 41 19 13-0080	EA		Drill 6" Diameter Core In >10" To 12" Concrete.....	211.09	
			For Horizontal Cores, Add	41.50	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.00	
02 41 19 13-0081	EA		Drill 8" Diameter Core In >10" To 12" Concrete.....	340.05	
			For Horizontal Cores, Add	67.03	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	134.06	
02 41 19 13-0082	EA		Drill 10" Diameter Core In >10" To 12" Concrete.....	365.58	
			For Horizontal Cores, Add	71.81	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	143.62	
02 41 19 13-0083	EA		Drill 12" Diameter Core In >10" To 12" Concrete.....	422.82	
			For Horizontal Cores, Add	83.00	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	166.00	
02 41 19 13-0084 >12" Thick Concrete Core Drilling (02 41 19 13-0025)					
02 41 19 13-0085	IN		Drill 1" Diameter Core In >12" Concrete.....	11.20	
			For Horizontal Cores, Add	2.21	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.42	
02 41 19 13-0086	IN		Drill 1-1/2" Diameter Core In >12" Concrete.....	12.44	
			For Horizontal Cores, Add	2.46	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.92	
02 41 19 13-0087	IN		Drill 2" Diameter Core In >12" Concrete.....	13.80	
			For Horizontal Cores, Add	2.73	
			For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.46	

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 41 19 13-0088	IN	Drill 3" Diameter Core In >12" Concrete	15.15
		<i>For Horizontal Cores, Add</i>	2.99
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.98
02 41 19 13-0089	IN	Drill 4" Diameter Core In >12" Concrete	20.18
		<i>For Horizontal Cores, Add</i>	3.99
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	7.98
02 41 19 13-0090	IN	Drill 6" Diameter Core In >12" Concrete	26.25
		<i>For Horizontal Cores, Add</i>	5.19
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	10.38
02 41 19 13-0091	IN	Drill 8" Diameter Core In >12" Concrete	42.34
		<i>For Horizontal Cores, Add</i>	8.39
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.77
02 41 19 13-0092	IN	Drill 10" Diameter Core In >12" Concrete	45.61
		<i>For Horizontal Cores, Add</i>	9.01
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.03
02 41 19 13-0093	IN	Drill 12" Diameter Core In >12" Concrete	52.55
		<i>For Horizontal Cores, Add</i>	10.38
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.76

02 41 19 13-0094 Brick/Concrete Block Core Drilling (02 41 19 13-0024)**02 41 19 13-0095 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)**

02 41 19 13-0096	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	36.71
		<i>For Horizontal Cores, Add</i>	7.24
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.48
02 41 19 13-0097	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	40.72
		<i>For Horizontal Cores, Add</i>	8.04
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.08
02 41 19 13-0098	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	45.20
		<i>For Horizontal Cores, Add</i>	8.94
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.88
02 41 19 13-0099	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	64.53
		<i>For Horizontal Cores, Add</i>	12.77
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.54
02 41 19 13-0100	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	86.48
		<i>For Horizontal Cores, Add</i>	17.11
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.22
02 41 19 13-0101	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	96.94
		<i>For Horizontal Cores, Add</i>	19.15
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.31
02 41 19 13-0102	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	154.82
		<i>For Horizontal Cores, Add</i>	30.64
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	61.29
02 41 19 13-0103	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	193.71
		<i>For Horizontal Cores, Add</i>	38.30
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	76.61
02 41 19 13-0104	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	226.07
		<i>For Horizontal Cores, Add</i>	44.69
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.38
02 41 19 13-0105	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	258.46
		<i>For Horizontal Cores, Add</i>	51.07
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	102.14
02 41 19 13-0106	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	291.26
		<i>For Horizontal Cores, Add</i>	57.45
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	114.90

02 41 19 13-0107 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)

02 41 19 13-0108	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	52.50
		<i>For Horizontal Cores, Add</i>	10.34
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.68
02 41 19 13-0109	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	58.23
		<i>For Horizontal Cores, Add</i>	11.49
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.98
02 41 19 13-0110	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	64.62
		<i>For Horizontal Cores, Add</i>	12.77
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.53
02 41 19 13-0111	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	77.68
		<i>For Horizontal Cores, Add</i>	15.32
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.64
02 41 19 13-0112	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	97.20
		<i>For Horizontal Cores, Add</i>	19.15
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.31
02 41 19 13-0113	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	129.46
		<i>For Horizontal Cores, Add</i>	25.54
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	51.07
02 41 19 13-0114	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	193.95
		<i>For Horizontal Cores, Add</i>	38.30
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	76.61
02 41 19 13-0115	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	226.72
		<i>For Horizontal Cores, Add</i>	44.69
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	89.38
02 41 19 13-0116	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	259.26
		<i>For Horizontal Cores, Add</i>	51.07
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	102.14
02 41 19 13-0117	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	292.01
		<i>For Horizontal Cores, Add</i>	57.45
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	114.90

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0118	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	325.36	
		For Horizontal Cores, Add	63.84	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	127.68	
02 41 19 13-0119 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)				
02 41 19 13-0120	EA	Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	57.96	
		For Horizontal Cores, Add	11.38	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.76	
02 41 19 13-0121	EA	Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	64.27	
		For Horizontal Cores, Add	12.64	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.28	
02 41 19 13-0122	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	71.29	
		For Horizontal Cores, Add	14.04	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.09	
02 41 19 13-0123	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	84.47	
		For Horizontal Cores, Add	16.60	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.20	
02 41 19 13-0124	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	110.44	
		For Horizontal Cores, Add	21.70	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.41	
02 41 19 13-0125	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	155.60	
		For Horizontal Cores, Add	30.64	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	61.29	
02 41 19 13-0126	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	258.59	
		For Horizontal Cores, Add	51.07	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	102.14	
02 41 19 13-0127	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	291.60	
		For Horizontal Cores, Add	57.45	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	114.90	
02 41 19 13-0128	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	324.41	
		For Horizontal Cores, Add	63.84	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	127.68	
02 41 19 13-0129	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	357.46	
		For Horizontal Cores, Add	70.21	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	140.42	
02 41 19 13-0130	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	391.38	
		For Horizontal Cores, Add	76.61	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	153.22	
02 41 19 13-0131 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)				
02 41 19 13-0132	EA	Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	68.58	
		For Horizontal Cores, Add	13.45	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.89	
02 41 19 13-0133	EA	Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	76.04	
		For Horizontal Cores, Add	14.94	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.88	
02 41 19 13-0134	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	84.34	
		For Horizontal Cores, Add	16.60	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	33.20	
02 41 19 13-0135	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	97.63	
		For Horizontal Cores, Add	19.15	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.31	
02 41 19 13-0136	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	110.94	
		For Horizontal Cores, Add	21.70	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.41	
02 41 19 13-0137	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	156.21	
		For Horizontal Cores, Add	30.64	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	61.29	
02 41 19 13-0138	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	259.41	
		For Horizontal Cores, Add	51.07	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	102.14	
02 41 19 13-0139	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	292.69	
		For Horizontal Cores, Add	57.45	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	114.90	
02 41 19 13-0140	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	325.65	
		For Horizontal Cores, Add	63.83	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	127.65	
02 41 19 13-0141	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	359.11	
		For Horizontal Cores, Add	70.21	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	140.42	
02 41 19 13-0142	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	393.46	
		For Horizontal Cores, Add	76.59	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	153.18	
02 41 19 13-0143 >10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)				
02 41 19 13-0144	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	74.03	
		For Horizontal Cores, Add	14.48	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.96	
02 41 19 13-0145	EA	Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	82.07	
		For Horizontal Cores, Add	16.09	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.18	
02 41 19 13-0146	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	91.01	
		For Horizontal Cores, Add	17.88	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.75	

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 41 19 13-0147	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	98.02
		<i>For Horizontal Cores, Add</i>	19.15
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.31
02 41 19 13-0148	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	130.60
		<i>For Horizontal Cores, Add</i>	25.54
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	51.07
02 41 19 13-0149	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	169.59
		<i>For Horizontal Cores, Add</i>	33.20
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	66.40
02 41 19 13-0150	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	273.01
		<i>For Horizontal Cores, Add</i>	53.62
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	107.25
02 41 19 13-0151	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	293.77
		<i>For Horizontal Cores, Add</i>	57.45
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	114.90
02 41 19 13-0152	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	339.82
		<i>For Horizontal Cores, Add</i>	66.40
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	132.80

02 41 19 13-0153 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)

02 41 19 13-0154	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	8.99
		<i>For Horizontal Cores, Add</i>	1.77
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.54
02 41 19 13-0155	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	9.97
		<i>For Horizontal Cores, Add</i>	1.97
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.93
02 41 19 13-0156	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	11.07
		<i>For Horizontal Cores, Add</i>	2.19
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.37
02 41 19 13-0157	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	12.15
		<i>For Horizontal Cores, Add</i>	2.39
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.78
02 41 19 13-0158	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	16.19
		<i>For Horizontal Cores, Add</i>	3.19
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	6.38
02 41 19 13-0159	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	21.06
		<i>For Horizontal Cores, Add</i>	4.15
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	8.30
02 41 19 13-0160	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	33.95
		<i>For Horizontal Cores, Add</i>	6.71
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.42
02 41 19 13-0161	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	36.59
		<i>For Horizontal Cores, Add</i>	7.21
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.42
02 41 19 13-0162	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	42.17
		<i>For Horizontal Cores, Add</i>	8.30
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.61

02 41 19 13-0163 Asphalt Core Drilling (02 41 19 13-0024)**02 41 19 13-0164 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0163)**

02 41 19 13-0165	EA	Drill 1" Diameter Core In Up To 2" Asphalt	21.96
02 41 19 13-0166	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	27.44
02 41 19 13-0167	EA	Drill 2" Diameter Core In Up To 2" Asphalt	34.30
02 41 19 13-0168	EA	Drill 3" Diameter Core In Up To 2" Asphalt	42.56
02 41 19 13-0169	EA	Drill 4" Diameter Core In Up To 2" Asphalt	53.55
02 41 19 13-0170	EA	Drill 6" Diameter Core In Up To 2" Asphalt	67.29
02 41 19 13-0171	EA	Drill 8" Diameter Core In Up To 2" Asphalt	83.81
02 41 19 13-0172	EA	Drill 10" Diameter Core In Up To 2" Asphalt	104.37
02 41 19 13-0173	EA	Drill 12" Diameter Core In Up To 2" Asphalt	130.42

02 41 19 13-0174 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0163)

02 41 19 13-0175	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	27.43
02 41 19 13-0176	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	35.66
02 41 19 13-0177	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	43.89
02 41 19 13-0178	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	54.89
02 41 19 13-0179	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	68.62
02 41 19 13-0180	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	86.46
02 41 19 13-0181	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	107.10
02 41 19 13-0182	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	134.50
02 41 19 13-0183	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	167.42

02 41 19 13-0184 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0163)

02 41 19 13-0185	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	35.67
02 41 19 13-0186	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	45.29
02 41 19 13-0187	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	56.26
02 41 19 13-0188	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	70.01
02 41 19 13-0189	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	87.88
02 41 19 13-0190	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	109.85
02 41 19 13-0191	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	137.39
02 41 19 13-0192	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	171.66
02 41 19 13-0193	EA	Drill 12" Diameter Core In >3" To 4" Asphalt	214.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

02 41 19 13-0194			>4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0163)		
02 41 19 13-0195	EA		Drill 1" Diameter Core In >4" To 6" Asphalt	46.69	
02 41 19 13-0196	EA		Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	57.69	
02 41 19 13-0197	EA		Drill 2" Diameter Core In >4" To 6" Asphalt	71.42	
02 41 19 13-0198	EA		Drill 3" Diameter Core In >4" To 6" Asphalt	90.69	
02 41 19 13-0199	EA		Drill 4" Diameter Core In >4" To 6" Asphalt	112.71	
02 41 19 13-0200	EA		Drill 6" Diameter Core In >4" To 6" Asphalt	140.21	
02 41 19 13-0201	EA		Drill 8" Diameter Core In >4" To 6" Asphalt	176.04	
02 41 19 13-0202	EA		Drill 10" Diameter Core In >4" To 6" Asphalt	219.94	
02 41 19 13-0203	EA		Drill 12" Diameter Core In >4" To 6" Asphalt	274.85	

02 41 19 13-0204			Manhole Core Drilling (02 41 19 13-0024)		
02 41 19 13-0205	EA		Drill 4" Diameter Core In 6" Brick Manhole	240.36	
02 41 19 13-0206	EA		Drill 5" Diameter Core In 6" Brick Manhole	274.69	
02 41 19 13-0207	EA		Drill 6" Diameter Core In 6" Brick Manhole	320.37	
02 41 19 13-0208	EA		Drill 8" Diameter Core In 6" Brick Manhole	480.43	
02 41 19 13-0209	EA		Drill 2" Diameter Core In 8" Concrete Manhole	322.05	
02 41 19 13-0210	EA		Drill 3" Diameter Core In 8" Concrete Manhole	342.94	
02 41 19 13-0211	EA		Drill 4" Diameter Core In 8" Concrete Manhole	377.53	
02 41 19 13-0212	EA		Drill 5" Diameter Core In 8" Concrete Manhole	405.08	
02 41 19 13-0213	EA		Drill 6" Diameter Core In 8" Concrete Manhole	480.43	
02 41 19 13-0214	EA		Drill 8" Diameter Core In 8" Concrete Manhole	686.19	
02 41 19 13-0215	EA		Drill 2" Diameter Core In Fiberglass Manhole	31.95	
02 41 19 13-0216	EA		Drill 3" Diameter Core In Fiberglass Manhole	36.87	
02 41 19 13-0217	EA		Drill 4" Diameter Core In Fiberglass Manhole	39.95	
02 41 19 13-0218	EA		Drill 5" Diameter Core In Fiberglass Manhole	43.59	
02 41 19 13-0219	EA		Drill 6" Diameter Core In Fiberglass Manhole	47.94	
02 41 19 13-0220	EA		Drill 8" Diameter Core In Fiberglass Manhole	53.28	

02 41 19 13-0221			Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)		
			Note: Includes layout.		
02 41 19 13-0222	IN		1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.22	
02 41 19 13-0223	IN		5/16" Diameter Drilling In Concrete Per Inch Of Depth	2.36	
02 41 19 13-0224	IN		3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.49	
02 41 19 13-0225	IN		1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.68	
02 41 19 13-0226	IN		5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.84	
02 41 19 13-0227	IN		3/4" Diameter Drilling In Concrete Per Inch Of Depth	3.13	
02 41 19 13-0228	IN		7/8" Diameter Drilling In Concrete Per Inch Of Depth	3.38	
02 41 19 13-0229	IN		1" Diameter Drilling In Concrete Per Inch Of Depth	3.55	
02 41 19 13-0230	IN		1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	4.18	
02 41 19 13-0231	IN		1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	3.93	
02 41 19 13-0232	IN		1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	4.18	
02 41 19 13-0233	IN		1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	4.45	
02 41 19 13-0234	IN		1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	4.93	
02 41 19 13-0235	IN		2" Diameter Drilling In Concrete Per Inch Of Depth	5.74	

02 41 19 13-0236			Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)		
			Note: Includes layout.		
02 41 19 13-0237	IN		1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.86	
02 41 19 13-0238	IN		5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.97	
02 41 19 13-0239	IN		3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.08	
02 41 19 13-0240	IN		1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.22	
02 41 19 13-0241	IN		5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.37	
02 41 19 13-0242	IN		3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.60	
02 41 19 13-0243	IN		7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.82	
02 41 19 13-0244	IN		1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.96	
02 41 19 13-0245	IN		1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.13	
02 41 19 13-0246	IN		1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.27	
02 41 19 13-0247	IN		1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.50	
02 41 19 13-0248	IN		1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.71	
02 41 19 13-0249	IN		1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.13	
02 41 19 13-0250	IN		2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.79	

02 41 19 13-0251			Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0024)		
			Note: Includes layout.		
02 41 19 13-0252	IN		1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.92	
02 41 19 13-0253	IN		5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.98	
02 41 19 13-0254	IN		3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.04	
02 41 19 13-0255	IN		1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.11	
02 41 19 13-0256	IN		5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.18	
02 41 19 13-0257	IN		3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.30	
02 41 19 13-0258	IN		7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.40	
02 41 19 13-0259	IN		1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.48	
02 41 19 13-0260	IN		1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.55	
02 41 19 13-0261	IN		1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.63	
02 41 19 13-0262	IN		1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.73	
02 41 19 13-0263	IN		1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.85	
02 41 19 13-0264	IN		1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.06	
02 41 19 13-0265	IN		2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.39	

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 41 19 13-0266		Minimum Charge For Core Drilling (02 41 19 13-0024)	
02 41 19 13-0267	EA	Core Drill Minimum Charge.....	934.07
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".			
02 41 19 13-0268		Cutouts (02 41 19 13)	
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.			
02 41 19 13-0269		Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0268)	
02 41 19 13-0270	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	52.40
02 41 19 13-0271	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	55.58
02 41 19 13-0272	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	58.76
02 41 19 13-0273	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	61.93
02 41 19 13-0274	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	63.51
02 41 19 13-0275		Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0268)	
Note: Includes cutting and removing steel decking.			
02 41 19 13-0276	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	63.87
02 41 19 13-0277	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	67.74
02 41 19 13-0278	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	71.61
02 41 19 13-0279	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	75.48
02 41 19 13-0280	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	77.41
02 41 19 13-0281		Reinforced Concrete Wall Cutouts (02 41 19 13-0268)	
02 41 19 13-0282	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	65.50
02 41 19 13-0283	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	69.47
02 41 19 13-0284	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	73.44
02 41 19 13-0285	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	77.41
02 41 19 13-0286	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	79.40
02 41 19 13-0287		Brick Wall Cutouts (02 41 19 13-0268)	
Note: Excludes toothing.			
02 41 19 13-0288	SF	4" Thick Brick Wall Cutouts, <24 SF	19.84
02 41 19 13-0289	SF	6" Thick Brick Wall Cutouts, <24 SF	32.75
02 41 19 13-0290	SF	8" Thick Brick Wall Cutouts, <24 SF	45.61
02 41 19 13-0291	SF	10" Thick Brick Wall Cutouts, <24 SF	55.58
02 41 19 13-0292	SF	12" Thick Brick Wall Cutouts, <24 SF	66.50
02 41 19 13-0293	SF	16" Thick Brick Wall Cutouts, <24 SF	78.41
02 41 19 13-0294		Concrete Block Wall Cutouts (02 41 19 13-0268)	
Note: Excludes toothing.			
02 41 19 13-0295	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	32.83
02 41 19 13-0296	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	34.77
02 41 19 13-0297	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	36.72
02 41 19 13-0298	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	38.71
02 41 19 13-0299	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	39.70
02 41 19 13-0300	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	41.68
02 41 19 13-0301		Limestone Cutouts (02 41 19 13-0268)	
02 41 19 13-0302	SF	2" Thick Limestone Cutouts, <24 SF	55.58
02 41 19 13-0303	SF	4" Thick Limestone Cutouts, <24 SF	67.49
02 41 19 13-0304	SF	6" Thick Limestone Cutouts, <24 SF	71.46
02 41 19 13-0305	SF	8" Thick Limestone Cutouts, <24 SF	75.42
02 41 19 13-0306	SF	10" Thick Limestone Cutouts, <24 SF	79.40
02 41 19 13-0307	SF	12" Thick Limestone Cutouts, <24 SF	83.37
02 41 19 13-0308		Toothting Masonry Cutouts (02 41 19 13-0268)	
Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.			
02 41 19 13-0309	VLF	Brick, Soft Old Mortar, Toothting Masonry Cutouts.....	19.84
02 41 19 13-0310	VLF	Brick, Hard Mortar, Toothting Masonry Cutouts.....	26.80
02 41 19 13-0311	VLF	Concrete Block, Soft Old Mortar, Toothting Masonry Cutouts	11.91
02 41 19 13-0312	VLF	Concrete Block, Hard Mortar, Toothting Masonry Cutouts.....	15.88
02 41 19 13-0313		Minimum Charge For Cutouts (02 41 19 13-0268)	
Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
02 41 19 13-0314	EA	Cutouts Minimum Charge	396.98
02 41 19 13-0315		Exterior Masonry Removal (02 41 19 13)	
02 41 19 13-0316		Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0315)	
02 41 19 13-0317	VLF	8" x 8" Masonry Column Removal	15.50
02 41 19 13-0318	VLF	10" x 10" Masonry Column Removal	24.22

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0319	VLF	12" x 12" Masonry Column Removal	31.03	
02 41 19 13-0320	VLF	14" x 14" Masonry Column Removal	38.84	
02 41 19 13-0321	VLF	16" x 16" Masonry Column Removal	47.72	
02 41 19 13-0322	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	26.79	
02 41 19 13-0323 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0315)				
Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.				
02 41 19 13-0324	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	22.04	
02 41 19 13-0325	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	32.78	
02 41 19 13-0326	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	62.33	
02 41 19 13-0327 Facade Removal (02 41 19 13-0315)				
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.				
02 41 19 13-0328	SF	Stone Or Brick Veneer Facade Removal	5.90	
		For Cleaning and Storage For Reuse, Add	8.85	
02 41 19 13-0329 Exterior Masonry Removal (02 41 19 13-0315)				
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.				
02 41 19 13-0330	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall	5.19	
02 41 19 13-0331	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall	5.85	
02 41 19 13-0332	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall	7.09	
02 41 19 13-0333	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall	7.74	
02 41 19 13-0334	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall	8.50	
02 41 19 13-0335	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall	10.63	
02 41 19 13-0336	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	6.13	
02 41 19 13-0337	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	7.02	
02 41 19 13-0338	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	8.50	
02 41 19 13-0339	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	9.29	
02 41 19 13-0340	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	10.19	
02 41 19 13-0341	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	12.76	
02 41 19 13-0342	SF	Demolish 4" Thick Brick Exterior Wall	5.19	
		For Cleaning and Storage For Reuse, Add	7.79	
02 41 19 13-0343	SF	Demolish 6" Thick Brick Exterior Wall	5.85	
		For Cleaning and Storage For Reuse, Add	8.78	
02 41 19 13-0344	SF	Demolish 8" Thick Brick Exterior Wall	7.09	
		For Cleaning and Storage For Reuse, Add	10.64	
02 41 19 13-0345	SF	Demolish 10" Thick Brick Exterior Wall	7.74	
		For Cleaning and Storage For Reuse, Add	11.61	
02 41 19 13-0346	SF	Demolish 12" Thick Brick Exterior Wall	8.50	
		For Cleaning and Storage For Reuse, Add	12.75	
02 41 19 13-0347	SF	Demolish 16" Thick Brick Exterior Wall	10.63	
		For Cleaning and Storage For Reuse, Add	15.95	
02 41 19 13-0348	CF	Exterior Brick, Concrete Block Or Composite Removal	15.10	
		For Cleaning and Storage For Reuse, Add	22.65	
02 41 19 13-0349 Lintel Removal (02 41 19 13-0315)				
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.				
02 41 19 13-0350	LF	Demolish Steel Lintel	14.36	
02 41 19 13-0351	LF	Demolish Concrete Or Stone Lintel	19.15	
02 41 19 13-0352	LF	Demolish Steel Shelf Angle	15.15	
02 41 19 13-0353 Reinstall Lintel (02 41 19 13-0315)				
Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.				
02 41 19 13-0354	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel	9.68	
02 41 19 13-0355	LF	Reinstall Existing Concrete Or Stone Lintel	19.15	
02 41 19 13-0356	LF	Reinstall Existing Steel Shelf Angle	51.77	
		Note: Includes fasteners.		
02 41 19 13-0357	LF	Reinstall Existing Steel Lintel	21.27	
02 41 19 13-0358	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls	85.68	
02 41 19 13-0359	LF	Removal And Replacement Of Steel Lintel Over Window Openings	148.30	
02 41 19 13-0360 Exterior Concrete Wall Removal (02 41 19 13)				
02 41 19 13-0361	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall	7.13	
02 41 19 13-0362	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall	12.94	
02 41 19 13-0363	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall	16.25	
02 41 19 13-0364	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall	19.17	
02 41 19 13-0365	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall	22.67	
02 41 19 13-0366 Elevated Concrete Removal (02 41 19 13)				

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 41 19 13-0367 CF Elevated Concrete Beam/Slab/Steps Removal, Reinforced 13.30

02 41 19 16 Selective Interior Demolition (02 41 19)
 Note: Includes HEPA vacuum for dust control, break-up of material, loading into truck or dumpster and clean-up.
 Excludes temporary plastic barrier See CSI section 01 56 16 00-0000 for temporary dust barrier.

02 41 19 16-0001 Floor Removal (02 41 19 16)

02 41 19 16-0002 Scarify Concrete (02 41 19 16-0001)

Note: Up to 1/4" removal per pass.

02 41 19 16-0003 SF Scarify Concrete Floor 0.33

02 41 19 16-0004 SF Scarify Concrete Tread And Riser 2.79

02 41 19 16-0005 SF Scarify Concrete Wall 2.54

02 41 19 16-0006 Fireproofing Removal (02 41 19 16)

02 41 19 16-0007 SF Removal Of Fireproofing From Concrete Or Steel 1.32

02 41 19 16-0008 Demolish Ceiling (02 41 19 16)

02 41 19 16-0009 SF Demolish Drywall Ceiling 1.01

02 41 19 16-0010 SF Demolish Furred Plastered Ceiling 2.36

02 41 19 16-0011 SF Demolish Suspended Plastered Ceiling And Suspension System 1.81

02 41 19 16-0012 Demolish Concrete Stair (02 41 19 16)

02 41 19 16-0013 CF Demolish Interior Reinforced Concrete Stairs 8.50

02 41 19 16-0014 CF Demolish Exterior Reinforced Concrete Stairs 7.44

02 41 19 16-0015 Demolish Interior Partition/Wall (02 41 19 16)

Note: Price includes knock down, loading, clean-up.

02 41 19 16-0016 Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0015)

Note: Includes saw cutting, knock down, loading and clean-up.

02 41 19 16-0017 Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0016)

02 41 19 16-0018 SF Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall 5.51

02 41 19 16-0019 SF Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall 5.88

02 41 19 16-0020 SF Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall 6.62

02 41 19 16-0021 SF Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall 8.51

02 41 19 16-0022 SF Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall 10.63

02 41 19 16-0023 SF Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall 6.60

02 41 19 16-0024 SF Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall 7.05

02 41 19 16-0025 SF Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall 7.96

02 41 19 16-0026 SF Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall 10.20

02 41 19 16-0027 SF Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall 12.76

02 41 19 16-0028 Demolish Brick Interior Partition/Walls (02 41 19 16-0016)

02 41 19 16-0029 SF Demolish 4" Thick Brick Interior Partition/Wall 5.51

02 41 19 16-0030 SF Demolish 8" Thick Brick Interior Partition/Wall 6.62

02 41 19 16-0031 SF Demolish 12" Thick Brick Interior Partition/Wall 8.50

02 41 19 16-0032 SF Demolish 16" Thick Brick Interior Partition/Wall 10.63

02 41 19 16-0033 Demolish Glass Block Interior Partition/Walls (02 41 19 16-0016)

02 41 19 16-0034 SF Demolish Glass Block Interior Partition/Walls 4.72

02 41 19 16-0035 Demolish Concrete Interior Partition/Walls (02 41 19 16-0016)

See CSI section 02 41 16 13-0024 for concrete foundation demolition.

02 41 19 16-0036 SF Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall 10.01

02 41 19 16-0037 SF Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall 12.51

02 41 19 16-0038 SF Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall 17.51

02 41 19 16-0039 SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall 12.01

02 41 19 16-0040 SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall 15.10

02 41 19 16-0041 SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall 21.01

02 41 19 16-0042 Demolish Terra-Cotta Block Interior Partition/Walls (02 41 19 16-0016)

02 41 19 16-0043 SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster 1.89

02 41 19 16-0044 Demolish Stud Framed Interior Partition/Walls (02 41 19 16-0015)

Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.

02 41 19 16-0045 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side 3.34

For Heights >14' To 20', Add

0.50

For Heights >20', Add

0.67

02 41 19 16-0046 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides 3.89

For Heights >14' To 20', Add

0.58

For Heights >20', Add

0.78

02 41 19 16-0047 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side 4.27

For Heights >14' To 20', Add

0.64

For Heights >20', Add

0.85

			Existing Conditions	02	02
			Demolition and Structure Moving	02 40	
			Demolition	02 41	
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02 41 19 16-0048	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides.....	5.94		
		For Heights >14' To 20', Add	0.89		
		For Heights >20', Add	1.19		
02 41 19 16-0049	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....	1.76		
		For Heights >14' To 20', Add	0.26		
		For Heights >20', Add	0.35		
02 41 19 16-0050	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall.....	2.10		
		For Heights >14' To 20', Add	0.32		
		For Heights >20', Add	0.42		

02 42 Removal and Salvage of Construction Materials (02 40)

02 42 21 Salvage of Construction Materials (02 42)

Note: Includes placement on pallets and storage on site.

02 42 21 35 Roofing Salvage (02 42 21)

02 42 21 35-0001 Clay Tile Roofing Remove And Salvage For Re-use (02 42 21 35)

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use.....	307.64		
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02 42 21 47 Flooring Salvage (02 42 21)

02 42 21 47-0001 Flooring Remove And Salvage For Re-Use (02 42 21 47)

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002	SF	Removal Of Brick Flooring And Salvage.....	2.80		
02 42 21 47-0003	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage	2.80		
02 42 21 47-0004	SF	Removal Of Terrazzo Flooring And Salvage	3.87		
02 42 21 47-0005	SF	Removal Of Wood Strip Flooring And Salvage	2.26		
02 42 21 47-0006	SF	Removal Of Wood Parquet Flooring And Salvage.....	1.19		
02 42 21 47-0007	SF	Removal Of Resilient/Linoleum Flooring And Salvage	0.86		

02 43 Structure Moving (02 40)

02 43 13 Structure Relocation (02 43)

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

02 43 13 13 Building Relocation (02 43 13)

02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13)

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	37.92		
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building.....	35.84		
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building.....	33.54		
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	30.43		
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building.....	28.44		
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	25.16		
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....	36.86		
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	33.54		
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	28.44		

02 60 Contaminated Site Material Removal (02)

02 61 Removal and Disposal of Contaminated Soils (02 60)

02 61 13 Excavation and Handling of Contaminated Material (02 61)

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

02 61 13 00-0001 Excavate Petroleum Contaminated Soil (02 61 13)

02 61 13 00-0002	CY	Excavate Petroleum Contaminated Soil	14.58		
		Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.			
02 61 13 00-0003	CY	Load Excavated Petroleum Contaminated Soil.....	8.44		
02 61 13 00-0004	CY	Disposal Fees Of Petroleum Contaminated Soil.....	74.79		

02 61 13 00-0005 Accessories For Contaminated Soil Stockpile (02 61 13)

See CSI section 31 25 14 23-0024 for sand bags.

02 61 13 00-0006	SF	30 Mil Liner For Contaminated Soil Storage	1.57		
		Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.			
02 61 13 00-0007	SF	10 Mil Liner For Contaminated Soil Storage	0.93		
		Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.			

02 61 26 Removal and Disposal of Asbestos Contaminated Soils (02 61)

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 61 Removal and Disposal of Contaminated Soils**
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than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 61 26 00-0001	Removal and Disposal of Asbestos Contaminated Soils (02 61 26)	
	Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.	
02 61 26 00-0002	EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	1,236.12
	For Work In Restricted Working Space, Add	370.84
02 61 26 00-0003	CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	81.94
	For Work In Restricted Working Space, Add	24.58
02 61 26 00-0004	CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	54.62
	For Work In Restricted Working Space, Add	16.39
02 61 26 00-0005	CF >250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	41.03
	For Work In Restricted Working Space, Add	12.31
02 61 26 00-0006	CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	32.77
	For Work In Restricted Working Space, Add	9.83
02 61 26 00-0007	CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	27.86
	For Work In Restricted Working Space, Add	8.36
02 61 26 00-0008	CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	25.07
	For Work In Restricted Working Space, Add	7.52

02 65 Underground Storage Tank Removal (02 60)

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0039 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001	Monitoring, Sampling, Testing And Analysis (02 65)	
02 65 00 00-0002	Field Samples For Testing Underground Storage Tank (02 65 00 00-0001)	
02 65 00 00-0003	EA Collection Of Sludge Sample For Underground Storage Tank	26.59
02 65 00 00-0004	EA Collection Of Pumpable Liquids Sample For Underground Storage Tank	26.59
02 65 00 00-0005	EA Collection Of Contaminated Soil Sample	26.59
02 65 00 00-0006	Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001)	
	Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.	
02 65 00 00-0007	EA Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test	208.77
	Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	
02 65 00 00-0008	EA Flashpoint, Lab Test	81.19
	Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	
02 65 00 00-0009	EA TOX 9020, Lab Test	195.30
	Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	
02 65 00 00-0010	EA TPH 8015 Modified, Lab Test	208.77
	Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	
02 65 00 00-0011	EA TRPH 418.1, Lab Test	162.38
	Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	
02 65 00 00-0012	EA VOC, Lab Test	440.74
	Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	
02 65 00 00-0013	EA Semi-Volatile Organic, Lab Test	811.90
	Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	
02 65 00 00-0014	EA Oil And Grease 413.1, Lab Test	97.65
	Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	
02 65 00 00-0015	EA TCLP (Extraction) - Metals, Lab Test	173.98
	Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	
02 65 00 00-0016	EA TCLP (Extraction) - Semi-Volatile Organic, Lab Test	231.97
	Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	
02 65 00 00-0017	EA Metals 6010 RCRA, Lab Test	259.81
	Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	
02 65 00 00-0018	EA Metals (Arsenic) 7060, Lab Test	34.80
	Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	
02 65 00 00-0019	EA Metals (Selenium) 7740, Lab Test	34.80
	Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	
02 65 00 00-0020	EA Metals (Lead) 7421, Lab Test	34.80
	Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	
02 65 00 00-0021	EA Metals (Mercury) 7470, Lab Test	64.95
	Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	
02 65 00 00-0022	EA PNA/PAH 8100, Lab Test	371.15
	Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	
02 65 00 00-0023	EA Fuel Id ASTM D3328-78, Lab Test	134.27
	Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	
02 65 00 00-0024	EA pH, Lab Test	27.84
02 65 00 00-0025	EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	347.96
02 65 00 00-0026	EA Methyl Tertiary Butyl Ether (MTBE), Lab Test	208.77

02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)		
02 65 00 00-0028 EA	Site Survey For AST/UST Location By Certified Tank Installer	1,203.58
Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.		
02 65 00 00-0029 EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems	208.57
Note: By Certified Technician. Write report of findings for action if needed		
02 65 00 00-0030 EA	Check And Report On Monitor Probes	48.27
Note: By Certified Technician		
02 65 00 00-0031 EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report.....	339.54
Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.		
02 65 00 00-0032 EA	Removal And Replacement Of Anode On Impressed System.....	165.36
02 65 00 00-0033 EA	Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank	237.99
02 65 00 00-0034 EA	Removal And Replacement Of Monitor Probes On Underground Storage Tank	342.98
02 65 00 00-0035 EA	Ultrasonic Test On Underground Storage Tank.....	216.49
02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)		
02 65 00 00-0037 HR	Certified Tank Installer For Underground Storage Tank	126.57
02 65 00 00-0038 HR	Certified Geologist/Environmentalist.....	131.08
02 65 00 00-0039 HR	Hourly Office Work For Reports Required For EPA On Underground Storage Tank.....	140.38
Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.		
02 65 00 00-0040 Remove Tank Contents (02 65)		
02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040)		
Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL	Transfer Reusable Liquid To Different Tank	0.65
Note: Per gallon of material transferred.		
02 65 00 00-0043 Remove And Dispose Of Liquid From Tank (02 65 00 00-0040)		
02 65 00 00-0044 GAL	Removal and Disposal Of Hazardous Liquids From Tank	1.87
02 65 00 00-0045 GAL	Removal and Disposal Of Non-Hazardous Liquid From Tank	0.83
02 65 00 00-0046 Remove And Dispose Of Solids Or Sludge (02 65 00 00-0040)		
Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank.....	6.85
02 65 00 00-0048 GAL	Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	1.53
02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)		
02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)		
02 65 00 00-0051 LB	Purge Tank Using Dry Ice.....	4.60
Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.		
02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)		
Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053 EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	353.86
02 65 00 00-0054 EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	464.04
02 65 00 00-0055 EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	601.79
02 65 00 00-0056 EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	813.68
02 65 00 00-0057 EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,576.07
02 65 00 00-0058 EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,895.18
02 65 00 00-0059 EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,172.75
02 65 00 00-0060 EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,625.78
02 65 00 00-0061 EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,383.06
02 65 00 00-0062 EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	4,067.46
02 65 00 00-0063 EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	5,153.60
02 65 00 00-0064 EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	6,350.13
02 65 00 00-0065 EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	7,775.04
02 65 00 00-0066 Scrape Clean Tank Exterior (02 65 00 00-0049)		
02 65 00 00-0067 EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	259.99
02 65 00 00-0068 EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	346.21
02 65 00 00-0069 EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	453.66
02 65 00 00-0070 EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	628.22
02 65 00 00-0071 EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,391.21
02 65 00 00-0072 EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,761.57
02 65 00 00-0073 EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	2,061.35
02 65 00 00-0074 EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,591.41
02 65 00 00-0075 EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,368.20
02 65 00 00-0076 EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,227.75
02 65 00 00-0077 EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,504.89
02 65 00 00-0078 EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,605.87
02 65 00 00-0079 EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	8,257.33

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**
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02 65 00 00-0080		Tank And Piping Removal (02 65) Note: Excludes excavation.	
02 65 00 00-0081		Removal And Disposal Of Piping (02 65 00 00-0080) Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.	
02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	20.70
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	27.60
02 65 00 00-0084		Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080) Note: Excludes excavation or backfill.	
02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	722.70
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	877.56
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,032.43
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,290.53
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,806.73
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,271.32
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,581.05
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,097.27
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,129.68
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,950.58
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,801.06
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	6,786.75
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	8,483.43
02 65 00 00-0098		Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080) Note: Includes 1 lengthwise at every 4' on-center height wise.	
02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	876.08
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,633.77
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,965.25
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,190.20
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,628.24
02 65 00 00-0104	EA	>10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,267.53
02 65 00 00-0105	EA	>15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,930.51
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,913.14
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	6,141.44
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	7,676.78
02 65 00 00-0109		Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0080) Note: Includes disposal fee.	
02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	311.17
		For Each Additional Mile >15 Miles, Add	4.77
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	421.59
		For Each Additional Mile >15 Miles, Add	6.02
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	662.49
		For Each Additional Mile >15 Miles, Add	9.03
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,023.90
		For Each Additional Mile >15 Miles, Add	10.54
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,806.89
		For Each Additional Mile >15 Miles, Add	18.57
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,867.11
		For Each Additional Mile >15 Miles, Add	20.07
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,967.47
		For Each Additional Mile >15 Miles, Add	22.58
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,850.86
		For Each Additional Mile >15 Miles, Add	30.11
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,914.87
		For Each Additional Mile >15 Miles, Add	45.16
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,577.41
		For Each Additional Mile >15 Miles, Add	50.18
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	5,661.56
		For Each Additional Mile >15 Miles, Add	60.22
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	7,910.27
		For Each Additional Mile >15 Miles, Add	72.26
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	9,548.58
		For Each Additional Mile >15 Miles, Add	83.10
02 65 00 00-0123		Other Storage Tank Removals (02 65 00 00-0080) Note: Based on tank gallon size	
02 65 00 00-0124	GAL	Removal Of Cement Lining	0.62
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.22
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	1.33
02 65 00 00-0127		Tank Closure Report (02 65 00 00-0080) Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.	
02 65 00 00-0128	EA	Prepare Tank Closure Report	3,520.58

			Existing Conditions	02	02
			Contaminated Site Material Removal	02 60	
			Underground Storage Tank Removal	02 65	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 65 00 00-0129		Temporary Tanks (02 65)			
02 65 00 00-0130		Temporary Holding Tanks (02 65 00 00-0129)			
02 65 00 00-0131		Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)			
02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25		
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25		
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,930.49		
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,447.87		
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,378.36		
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	2,413.12		
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	5,255.58		
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	6,298.36		
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	10,636.30		
02 65 00 00-0141		Secondary Containment Berm (02 65 00 00-0129)			
02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	2,091.37		

02 80 Facility Remediation (02)

02 81 Transportation and Disposal of Hazardous Materials (02 80)

02 81 00 00-0001		Equipment Oil Drain And Disposal (02 81)			
02 81 00 00-0002	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site	677.78		
		Note: Excludes Disposal Cost.			
02 81 00 00-0003	DRM	Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum	106.51		
		Note: Excludes draining, placing in approved container, and transporting to disposal site.			
02 81 00 00-0004	DRM	Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum	484.12		
		Note: Excludes draining, placing in approved container, and transporting to disposal site.			
02 81 00 00-0005	DRM	Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum	871.42		
		Note: Excludes draining, placing in approved container, and transporting to disposal site.			
02 81 00 00-0006	CF	Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site	116.24		
		Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.			

02 82 Asbestos Remediation (02 80)

See CSI section 01 56 16 00-0035 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 82 13 Asbestos Abatement (02 82)

02 82 13 00-0001		Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)			
		Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.			
02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	99.79		
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	63.06		
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	73.93		
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	117.42		
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	202.22		
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	245.71		
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	50.01		
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	60.88		
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	82.63		
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	63.06		
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	73.93		
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	117.42		
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	202.22		
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	232.66		
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	323.99		

02 82 16 Engineering Control of Asbestos Containing Materials (02 82)

02 82 16 00-0001		Asbestos Encapsulation (Lock-Down) (02 82 16)			
02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.71		
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	2.34		
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	2.54		
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.75		
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	8.56		
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	9.70		

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

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. The SET task includes portion for set-up and mobilization. For those tasks the contractor will be paid the first task of SET with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001	Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)
02 82 33 00-0002	Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001) Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.
02 82 33 00-0003	Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) See CSI section 02 82 33 00-0031 for projects with less than 10 LF.
02 82 33 00-0004	SET >10 To 25 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal 1,253.41 For Work In Restricted Working Space, Add 370.84
02 82 33 00-0005	LF >25 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 43.00 For Work In Restricted Working Space, Add 12.64
02 82 33 00-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 32.47 For Work In Restricted Working Space, Add 9.48
02 82 33 00-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 24.57 For Work In Restricted Working Space, Add 7.11
02 82 33 00-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 18.64 For Work In Restricted Working Space, Add 5.33
02 82 33 00-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 16.32 For Work In Restricted Working Space, Add 4.64
02 82 33 00-0010	>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) See CSI section 02 82 33 00-0031 for projects with less than 10 LF.
02 82 33 00-0011	SET >10 To 25 LF, >6" Diameter Pipe Insulation, Asbestos Abatement And Disposal 1,270.70 For Work In Restricted Working Space, Add 370.84
02 82 33 00-0012	LF >25 To 250 LF, >6" Diameter Pipe Insulation, Asbestos Abatement And Disposal 50.20 For Work In Restricted Working Space, Add 14.54
02 82 33 00-0013	LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 38.08 For Work In Restricted Working Space, Add 10.91
02 82 33 00-0014	LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 28.99 For Work In Restricted Working Space, Add 8.18
02 82 33 00-0015	LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 22.16 For Work In Restricted Working Space, Add 6.13
02 82 33 00-0016	LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 19.51 For Work In Restricted Working Space, Add 5.33
02 82 33 00-0017	>12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) See CSI section 02 82 33 00-0031 for projects with less than 10 LF.
02 82 33 00-0018	SET Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal 1,287.99 For Work In Restricted Working Space, Add 370.84
02 82 33 00-0019	LF >20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 66.93 For Work In Restricted Working Space, Add 19.39
02 82 33 00-0020	LF >250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 50.77 For Work In Restricted Working Space, Add 14.54
02 82 33 00-0021	LF >500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 38.66 For Work In Restricted Working Space, Add 10.91
02 82 33 00-0022	LF >2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 29.56 For Work In Restricted Working Space, Add 8.18
02 82 33 00-0023	LF >10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 26.02 For Work In Restricted Working Space, Add 7.11
02 82 33 00-0024	>18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) See CSI section 02 82 33 00-0031 for projects with less than 10 LF.
02 82 33 00-0025	SET Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal 1,305.28 For Work In Restricted Working Space, Add 370.84
02 82 33 00-0026	LF >20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 92.03 For Work In Restricted Working Space, Add 26.66
02 82 33 00-0027	LF >250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 69.79 For Work In Restricted Working Space, Add 19.99
02 82 33 00-0028	LF >500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 53.14 For Work In Restricted Working Space, Add 14.99
02 82 33 00-0029	LF >2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 40.64 For Work In Restricted Working Space, Add 11.24
02 82 33 00-0030	LF >10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... 35.76 For Work In Restricted Working Space, Add 9.78
02 82 33 00-0031	Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002) Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.
02 82 33 00-0032	SET Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal 803.56 For Work In Restricted Working Space, Add 239.51
02 82 33 00-0033	LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation 134.79 For Work In Restricted Working Space, Add 39.92
02 82 33 00-0034	LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation 53.38 For Work In Restricted Working Space, Add 15.50
02 82 33 00-0035	LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation 40.47 For Work In Restricted Working Space, Add 11.62
02 82 33 00-0036	LF >500 LF Additional Glove Bag Work for Pipe Insulation 30.78 For Work In Restricted Working Space, Add 8.72

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0037		Thermal Insulation, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0038		Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal (02 82 33 00-0037) Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0039	SET	Up To 20 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,246.93	
02 82 33 00-0040	SF	>20 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	42.57	
02 82 33 00-0041	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	33.62	
02 82 33 00-0042	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	25.32	
02 82 33 00-0043	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	19.09	
02 82 33 00-0044		Surfacing Material, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0045		Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0044) Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0047 for areas > 1 SF see CSI section.		
02 82 33 00-0046	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal..... Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	206.45	
02 82 33 00-0047		Fireproofing, Asbestos Abatement And Disposal (02 82 33 00-0044) Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0048	SET	Up To 20 SF, Fireproofing, Asbestos Abatement And Disposal	1,246.93	
02 82 33 00-0049	SF	>20 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	50.99	
02 82 33 00-0050	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal.....	38.33	
02 82 33 00-0051	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	28.86	
02 82 33 00-0052	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	21.75	
02 82 33 00-0053		Acoustical Plaster, Asbestos Abatement And Disposal (02 82 33 00-0044) Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0054	SET	Up To 20 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,243.33	
02 82 33 00-0055	SF	>20 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	21.41	
02 82 33 00-0056	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	16.26	
02 82 33 00-0057	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	12.14	
02 82 33 00-0058	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	9.05	
02 82 33 00-0059		Gypsum Wall Board, Asbestos Abatement And Disposal (02 82 33 00-0044)		
02 82 33 00-0060	SET	Up To 20 SF, Gypsum Wall Board, Asbestos Abatement And Disposal..... For Additional Layer, Add	1,250.53 339.93	
02 82 33 00-0061	SF	>20 To 500 SF, Gypsum Wall Board, Asbestos Abatement And Disposal	16.51	
02 82 33 00-0062	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	12.14	
02 82 33 00-0063	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.56	
02 82 33 00-0064	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.50	
02 82 33 00-0065	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	5.95	
02 82 33 00-0066	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	4.82	
02 82 33 00-0067		Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal (02 82 33 00-0044)		
02 82 33 00-0068	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	1,243.33	
02 82 33 00-0069	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	31.09	
02 82 33 00-0070	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	22.85	
02 82 33 00-0071	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	17.91	
02 82 33 00-0072	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	13.99	
02 82 33 00-0073	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	10.08	
02 82 33 00-0074		Stucco, Asbestos Abatement And Disposal (02 82 33 00-0044)		
02 82 33 00-0075	SET	Up To 20 SF, Stucco, Asbestos Abatement And Disposal	1,250.53	
02 82 33 00-0076	SF	>20 To 500 SF, Stucco, Asbestos Abatement And Disposal	27.17	
02 82 33 00-0077	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal.....	20.41	
02 82 33 00-0078	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal.....	15.41	
02 82 33 00-0079	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	11.62	
02 82 33 00-0080		Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0044)		
02 82 33 00-0081	SET	Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	1,250.53	
02 82 33 00-0082	SF	>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	14.03	
02 82 33 00-0083	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	10.88	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 82 33 00-0084	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	8.02
02 82 33 00-0085	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	6.07

02 82 33 00-0086 Flooring Material, Asbestos Abatement And Disposal (02 82 33)**02 82 33 00-0087 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0086)****02 82 33 00-0088 Floor Tile, Asbestos Abatement And Disposal (02 82 33 00-0087)**

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0089	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	1,239.00
		For Each Additional Layer, Add.....	185.85
02 82 33 00-0090	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	8.72
		For Each Additional Layer, Add.....	1.31
02 82 33 00-0091	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	7.14
		For Each Additional Layer, Add.....	1.07
02 82 33 00-0092	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	5.70
		For Each Additional Layer, Add.....	0.86
02 82 33 00-0093	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	3.95
		For Each Additional Layer, Add.....	0.59

02 82 33 00-0094 Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal (02 82 33 00-0087)

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0095	SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	1,239.00
		For Each Additional Layer, Add.....	185.85
02 82 33 00-0096	SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	8.72
		For Each Additional Layer, Add.....	1.31
02 82 33 00-0097	SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	7.17
		For Each Additional Layer, Add.....	1.08
02 82 33 00-0098	SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	6.51
		For Each Additional Layer, Add.....	0.98
02 82 33 00-0099	SF	>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	5.26
		For Each Additional Layer, Add.....	0.79

02 82 33 00-0100 Carpet, Asbestos Abatement And Disposal (02 82 33 00-0087)

02 82 33 00-0101	SET	Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	1,239.00
02 82 33 00-0102	SF	>100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	6.83
02 82 33 00-0103	SF	>500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	5.54
02 82 33 00-0104	SF	>2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	4.06
02 82 33 00-0105	SF	>10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	3.09

02 82 33 00-0106 Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0087)

Note: Up to 12".

02 82 33 00-0107	SET	Up To 50 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	415.64
02 82 33 00-0108	LF	>50 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	5.63
02 82 33 00-0109	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	3.44
02 82 33 00-0110	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.20
02 82 33 00-0111	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.59

02 82 33 00-0112 Mastic, Asbestos Abatement And Disposal (02 82 33 00-0086)

Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.

02 82 33 00-0113	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal.....	1,243.33
		Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0114	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	3.15
		Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0115	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	2.33
		Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0116	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	1.81
		Note: Applies to bottom layer only if multiple layers.	
02 82 33 00-0117	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal.....	1.46
		Note: Applies to bottom layer only if multiple layers.	

02 82 33 00-0118 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0086)

Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.

02 82 33 00-0119	SET	Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	1,264.94
02 82 33 00-0120	SF	>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	10.03
02 82 33 00-0121	SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	7.39
02 82 33 00-0122	SF	>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	5.86
02 82 33 00-0123	SF	>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.62

02 82 33 00-0124 Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal (02 82 33 00-0086)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0125	SET	Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	1,250.52	
02 82 33 00-0126	SF	>100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	11.17	
02 82 33 00-0127	SF	>500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	7.35	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0128	SF	>2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	5.80	
02 82 33 00-0129	SF	>10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal.....	4.78	
02 82 33 00-0130		Roofing, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0131		Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0130)		
		Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0132		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0131)		
02 82 33 00-0133	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,272.15	
02 82 33 00-0134	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.19	
02 82 33 00-0135	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.61	
02 82 33 00-0136	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.35	
02 82 33 00-0137	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.08	
02 82 33 00-0138	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.14	
02 82 33 00-0139		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0131)		
02 82 33 00-0140	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,299.52	
02 82 33 00-0141	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	9.58	
02 82 33 00-0142	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.75	
02 82 33 00-0143	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.36	
02 82 33 00-0144	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.91	
02 82 33 00-0145	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.81	
02 82 33 00-0146		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0131)		
02 82 33 00-0147	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,331.22	
02 82 33 00-0148	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	10.85	
02 82 33 00-0149	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.83	
02 82 33 00-0150	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.28	
02 82 33 00-0151	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.67	
02 82 33 00-0152	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.45	
02 82 33 00-0153		Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0130)		
02 82 33 00-0154		Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0153)		
02 82 33 00-0155	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	1,245.13	
		Note: Single or first of multiple layers.		
02 82 33 00-0156	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	7.97	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	1.59	
02 82 33 00-0157	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	6.39	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	1.28	
02 82 33 00-0158	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	5.13	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	1.03	
02 82 33 00-0159	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	3.86	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	0.77	
02 82 33 00-0160	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	2.92	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	0.58	
02 82 33 00-0161		Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0130)		
02 82 33 00-0162	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	412.76	
02 82 33 00-0163	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	3.16	
02 82 33 00-0164	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	2.61	
02 82 33 00-0165	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	2.11	
02 82 33 00-0166	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.55	
02 82 33 00-0167		Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0130)		
02 82 33 00-0168	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	412.76	
02 82 33 00-0169	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	9.34	
02 82 33 00-0170	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	7.48	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 82 33 00-0171	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	6.26
02 82 33 00-0172	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	4.52

02 82 33 00-0173 Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)**02 82 33 00-0174 Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0173)**

Note: Includes detachment of mounted objects before removal.

02 82 33 00-0175	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,250.52
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0176	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	8.57
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0177	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.35
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0178	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.51
		Note: Includes detachment of mounted objects before removal.	
02 82 33 00-0179	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.06
		Note: Includes detachment of mounted objects before removal.	

02 82 33 00-0180 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0173)

02 82 33 00-0181	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,250.52
02 82 33 00-0182	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	7.46
02 82 33 00-0183	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.88
02 82 33 00-0184	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.14
02 82 33 00-0185	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.74

02 82 33 00-0186 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0173)

02 82 33 00-0187	SET	Up To 20 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,047.39
02 82 33 00-0188	LF	>20 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	43.87
02 82 33 00-0189	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	33.34
02 82 33 00-0190	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.44
02 82 33 00-0191	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.51
02 82 33 00-0192	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.06
02 82 33 00-0193	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.75

02 82 33 00-0194 Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0173)

02 82 33 00-0195	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1,260.54
		Note: Single or first of multiple layers.	
02 82 33 00-0196	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	6.73
		Note: Single or first of multiple layers.	
02 82 33 00-0197	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	5.41
		Note: Single or first of multiple layers.	
02 82 33 00-0198	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	4.35
		Note: Single or first of multiple layers.	
02 82 33 00-0199	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	3.30
		Note: Single or first of multiple layers.	
02 82 33 00-0200	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.51
		Note: Single or first of multiple layers.	

02 82 33 00-0201 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)**02 82 33 00-0202 Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal (02 82 33 00-0201)**

Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.

02 82 33 00-0203	SET	Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	619.50
02 82 33 00-0204	SF	>10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	1.15
02 82 33 00-0205	SF	>100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.75
02 82 33 00-0206	SF	>500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.62
02 82 33 00-0207	SF	>1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.53

02 82 33 00-0208 Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal (02 82 33 00-0201)

02 82 33 00-0209	SET	Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	829.84
02 82 33 00-0210	SF	>10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	21.18
		For Batt Insulation Removal, Add	2.00
		For Encapsulated Soil, Add	1.00
		For Work In Restricted Working Space, Add	1.00
02 82 33 00-0211	SF	>100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	14.49
		For Batt Insulation Removal, Add	2.00
		For Encapsulated Soil, Add	1.00
		For Work In Restricted Working Space, Add	1.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0212	SF		>250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	10.88	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0213	SF		>500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	8.82	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0214	SF		>2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	7.79	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0215	SF		>10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	6.77	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0216	SET		Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	1,040.19	
02 82 33 00-0217	SF		>10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	41.95	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0218	SF		>100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	28.32	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0219	SF		>250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	21.53	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0220	SF		>500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	17.40	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0221	SF		>2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	14.94	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0222	SF		>10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	13.55	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0223	SET		Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	1,253.41	
02 82 33 00-0224	SF		>10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	83.67	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0225	SF		>100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	56.35	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0226	SF		>250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	42.76	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0227	SF		>500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	34.50	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0228	SF		>2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	29.59	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0229	SF		>10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	26.80	
			For Batt Insulation Removal, Add	2.00	
			For Encapsulated Soil, Add	1.00	
			For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0230			Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33 00-0201)		
02 82 33 00-0231	SET		Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	841.37	
			For Work In Restricted Working Space, Add	247.22	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 82 33 00-0232	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	83.67
		<i>For Work In Restricted Working Space, Add</i>	24.58
02 82 33 00-0233	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	56.35
		<i>For Work In Restricted Working Space, Add</i>	16.39
02 82 33 00-0234	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	42.76
		<i>For Work In Restricted Working Space, Add</i>	12.31
02 82 33 00-0235	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	34.50
		<i>For Work In Restricted Working Space, Add</i>	9.83
02 82 33 00-0236	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	29.59
		<i>For Work In Restricted Working Space, Add</i>	8.36
02 82 33 00-0237	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	26.80
		<i>For Work In Restricted Working Space, Add</i>	7.52

02 82 33 00-0238 Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82 33 00-0238)
02 82 33 00-0239 30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 33 00-0239)

02 82 33 00-0240	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	419.82
02 82 33 00-0241	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	156.12
02 82 33 00-0242	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	141.28

02 82 33 00-0243 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal (02 82 33 00-0238)

02 82 33 00-0244	SET	Up To 25 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	412.40
02 82 33 00-0245	LF	>25 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	8.47
02 82 33 00-0246	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.36
02 82 33 00-0247	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.48
02 82 33 00-0248	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.72
02 82 33 00-0249	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.04
02 82 33 00-0250	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.50

02 82 33 00-0251 Grout, Asbestos Abatement And Disposal (02 82 33 00-0238)

Note: e.g. flue grout.

02 82 33 00-0252	SET	Up To 20 LF, Grout, Asbestos Abatement And Disposal.....	412.28
02 82 33 00-0253	LF	>20 To 50 LF, Grout, Asbestos Abatement And Disposal	16.24
02 82 33 00-0254	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	11.19
02 82 33 00-0255	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	9.59
02 82 33 00-0256	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal.....	8.24
02 82 33 00-0257	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	7.10
02 82 33 00-0258	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal.....	6.09

02 82 33 00-0259 Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0238)

Note: e.g. rope, web cloth, flat.

02 82 33 00-0260	SET	Up To 15 LF, Gaskets, Asbestos Abatement And Disposal.....	412.40
02 82 33 00-0261	LF	>15 To 50 LF, Gaskets, Asbestos Abatement And Disposal	21.89
02 82 33 00-0262	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	16.43
02 82 33 00-0263	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	14.00
02 82 33 00-0264	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	12.60
02 82 33 00-0265	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.33
02 82 33 00-0266	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	10.78

02 82 33 00-0267 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 33 00-0238)

Note: e.g. grid, spline, or glued on.

02 82 33 00-0268	SET	Up To 40 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	831.28
		<i>Note: Including Glue Removal</i>	
02 82 33 00-0269	SF	>40 To 1,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal	17.65
		<i>Note: Including Glue Removal</i>	
02 82 33 00-0270	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal	8.57
		<i>Note: Including Glue Removal</i>	
02 82 33 00-0271	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	5.82
		<i>Note: Including Glue Removal</i>	
02 82 33 00-0272	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal	4.98
		<i>Note: Including Glue Removal</i>	

02 82 33 00-0273 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0238)

Note: Includes ceiling tile, asbestos barrier paper, and furring strips.

02 82 33 00-0274	SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	827.97
02 82 33 00-0275	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	17.65
02 82 33 00-0276	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	8.57
02 82 33 00-0277	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.82
02 82 33 00-0278	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.98

02 82 33 00-0279 Caulking, Asbestos Abatement And Disposal (02 82 33 00-0238)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 33 00-0280	Non-Friable Caulking, Asbestos Abatement And Disposal (02 82 33 00-0279)	
02 82 33 00-0281	SET	Up To 25 LF, Non-Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal .....412.28
02 82 33 00-0282	LF	>25 To 50 LF, Non-Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal .....12.18
02 82 33 00-0283	LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....8.59
02 82 33 00-0284	LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....6.40
02 82 33 00-0285	LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....4.81
02 82 33 00-0286	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....3.81
02 82 33 00-0287	LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....3.30

02 82 33 00-0288	Wire Insulation, Asbestos Abatement And Disposal (02 82 33 00-0238)	
02 82 33 00-0289	Wire Insulation, Asbestos Abatement And Disposal (02 82 33 00-0288)	
02 82 33 00-0290	SET	Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal .....412.28
02 82 33 00-0291	LF	>10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal .....4.58
02 82 33 00-0292	LF	>50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal .....3.23
02 82 33 00-0293	LF	>100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal .....2.41
02 82 33 00-0294	LF	>250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal .....1.81
02 82 33 00-0295	LF	>1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal .....1.44
02 82 33 00-0296	LF	>2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal .....1.26

02 82 33 00-0297	Asbestos Contaminated Paint, Asbestos Abatement And Disposal (02 82 33 00-0238)	
	Note: Exposed surface area, includes associated overspray.	
02 82 33 00-0298	SET	Up To 10 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal .....515.77
02 82 33 00-0299	SF	>10 To 500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal .....50.63
02 82 33 00-0300	SF	>500 To 2,500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal .....37.97
02 82 33 00-0301	SF	>2,500 To 10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal .....28.50
02 82 33 00-0302	SF	>10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal .....21.39

02 82 33 00-0303	Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal (02 82 33 00-0238)	
02 82 33 00-0304	SF	Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal .....5.29
02 82 33 00-0305	SF	Mastic On Walls, Asbestos Abatement And Disposal .....20.67

02 82 33 00-0306	Window Putty, Asbestos Abatement And Disposal (02 82 33 00-0238)	
02 82 33 00-0307	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal .....412.28
02 82 33 00-0308	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal .....16.24
02 82 33 00-0309	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal .....11.19
02 82 33 00-0310	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal .....9.59
02 82 33 00-0311	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal .....8.24
02 82 33 00-0312	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal .....7.10

02 82 33 00-0313	Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0238)	
02 82 33 00-0314	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....857.28
02 82 33 00-0315	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....82.05
02 82 33 00-0316	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....57.46
02 82 33 00-0317	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....45.23
02 82 33 00-0318	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....37.80
02 82 33 00-0319	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....33.37
02 82 33 00-0320	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....30.86

02 82 33 00-0321	Other Material, Asbestos Abatement And Disposal (02 82 33 00-0238)	
02 82 33 00-0322	LF	Chemical Countertops, Asbestos Abatement And Disposal .....28.05
02 82 33 00-0323	EA	Chemical Fume Hood, Asbestos Abatement And Disposal .....1,586.64

02 83 Lead Remediation (02 80)

See CSI section 01 56 16 00-0035 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation (02 83)

02 83 19 13 Lead-Based Paint Abatement (02 83 19)

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0035 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.

02 83 19 13-0001	Scrape And Sand Lead Paint (02 83 19 13)	
02 83 19 13-0002	SF	Hand Scrape Lead Paint From Concrete Or Masonry Surfaces .....1.36
02 83 19 13-0003	SF	Scrape Lead Paint, Repair And Sand Severely Damaged Drywall Surfaces .....1.41
02 83 19 13-0004	SF	Hand Scrape Lead Paint From Wood Surfaces .....1.86
02 83 19 13-0005	SF	Hand Scraping And Sanding Lead Paint From Metal Surfaces1.90

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 83 19 13-0006		Lead Sampling And Testing (02 83 19 13)	
		Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.	
02 83 19 13-0007	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	93.81
02 83 19 13-0008	EA	X-Ray Fluorescence (XRF) Lead Testing	74.96
		Note: Including Technician, 3 Readings Per Surface And Lab Fee	
02 83 19 13-0009	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	71.76
02 83 19 13-0010	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	108.72
02 83 19 13-0011	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	152.21
02 83 19 13-0012	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	28.27
02 83 19 13-0013	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	43.49
02 83 19 13-0014	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	54.36
02 83 19 13-0015	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	71.76
02 83 19 13-0016	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	108.72
02 83 19 13-0017	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	11.96
02 83 19 13-0018	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	16.31
02 83 19 13-0019	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	23.92
02 83 19 13-0020	EA	5 Day Turnaround Lead Air Samples And Lab Fee	11.96
02 83 19 13-0021	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	16.31
02 83 19 13-0022	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	23.92
02 83 19 13-0023	EA	5 Day Turnaround Lead Water Test and Lab Fee	43.49
02 83 19 13-0024	EA	24 Hour Turnaround Lead Water Test and Lab Fee	65.23
02 83 19 13-0025	EA	8 Hour Turnaround Lead Water Test and Lab Fee	86.98
02 83 19 13-0026	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	44.97
02 83 19 13-0027	EA	5 Day Turnaround Lead Soil Test and Lab Fee	89.95
02 83 19 13-0028		Minimum Charge For Lead-Based Paint Remediation (02 83 19 13)	
02 83 19 13-0029	EA	Lead-Based Paint Remediation Minimum Show Up Charge	1,272.73
		Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	
02 83 19 13-0030		Chemical Stripping Of Lead Contaminated Material (02 83 19 13)	
		Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.	
02 83 19 13-0031	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	36.00
		For 0.025" (25 mil) Application, Add	2.05
		For 0.03" (30 mil) Application, Add	3.23
02 83 19 13-0032	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	53.37
		For 0.025" (25 mil) Application, Add	2.92
		For 0.03" (30 mil) Application, Add	4.53
02 83 19 13-0033	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	15.46
		For 0.025" (25 mil) Application, Add	0.92
		For 0.03" (30 mil) Application, Add	1.48
		For 0.125" (125 mil) Application, Add	8.37
02 83 19 13-0034	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	31.55
		For 0.025" (25 mil) Application, Add	1.73
		For 0.03" (30 mil) Application, Add	2.69
		For 0.125" (125 mil) Application, Add	12.39
02 83 19 13-0035	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	16.82
		For 0.025" (25 mil) Application, Add	1.09
		For 0.03" (30 mil) Application, Add	1.79
02 83 19 13-0036	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	47.58
		For 0.025" (25 mil) Application, Add	2.63
		For 0.03" (30 mil) Application, Add	4.10
02 83 19 13-0037	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	10.38
		For 0.025" (25 mil) Application, Add	0.72
		For 0.03" (30 mil) Application, Add	1.20
		For 0.125" (125 mil) Application, Add	8.60
02 83 19 13-0038	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	30.09
		For 0.025" (25 mil) Application, Add	1.70
		For 0.03" (30 mil) Application, Add	2.68
02 83 19 13-0039	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	38.33
		For 0.025" (25 mil) Application, Add	2.12
		For 0.03" (30 mil) Application, Add	3.30
02 83 19 13-0040	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	14.30
		For 0.025" (25 mil) Application, Add	0.92
		For 0.03" (30 mil) Application, Add	1.50
02 83 19 13-0041	SF	Columns, Chemical Stripping Of Lead Contaminated Material	13.75
		For 0.025" (25 mil) Application, Add	0.94
		For 0.03" (30 mil) Application, Add	1.56
		For 0.125" (125 mil) Application, Add	10.94
02 83 19 13-0042	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	12.12
		For 0.025" (25 mil) Application, Add	0.81
		For 0.03" (30 mil) Application, Add	1.33
02 83 19 13-0043	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	14.88
		For 0.025" (25 mil) Application, Add	0.94
		For 0.03" (30 mil) Application, Add	1.54
02 83 19 13-0044	SF	Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	21.93
		For 0.025" (25 mil) Application, Add	1.35
		For 0.03" (30 mil) Application, Add	2.18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0045	EA		Electrical Devices, Chemical Stripping Of Lead Contaminated Material.....	62.62	
			For 0.025" (25 mil) Application, Add	3.53	
			For 0.03" (30 mil) Application, Add	5.55	
02 83 19 13-0046	LF		Door Frames, Chemical Stripping Of Lead Contaminated Material	15.54	
			For 0.025" (25 mil) Application, Add	0.98	
			For 0.03" (30 mil) Application, Add	1.59	
02 83 19 13-0047	SF		Wood Floors, Chemical Stripping Of Lead Contaminated Material.....	8.56	
			For 0.025" (25 mil) Application, Add	0.63	
			For 0.03" (30 mil) Application, Add	1.07	
02 83 19 13-0048	SF		HVAC Grilles, Chemical Stripping Of Lead Contaminated Material.....	32.15	
			For 0.025" (25 mil) Application, Add	1.81	
			For 0.03" (30 mil) Application, Add	2.84	
02 83 19 13-0049	SF		HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	38.33	
			For 0.025" (25 mil) Application, Add	2.12	
			For 0.03" (30 mil) Application, Add	3.30	
02 83 19 13-0050	EA		Hinges, Chemical Stripping Of Lead Contaminated Material	20.17	
			For 0.025" (25 mil) Application, Add	1.31	
			For 0.03" (30 mil) Application, Add	2.15	
02 83 19 13-0051	EA		Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	24.84	
			For 0.025" (25 mil) Application, Add	1.54	
			For 0.03" (30 mil) Application, Add	2.50	
			For 0.125" (125 mil) Application, Add	15.21	
02 83 19 13-0052	LF		Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	6.94	
			For 0.025" (25 mil) Application, Add	0.50	
			For 0.03" (30 mil) Application, Add	0.84	
			For 0.125" (125 mil) Application, Add	6.24	
02 83 19 13-0053	LF		>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	11.13	
			For 0.025" (25 mil) Application, Add	0.71	
			For 0.03" (30 mil) Application, Add	1.15	
			For 0.125" (125 mil) Application, Add	7.28	
02 83 19 13-0054	LF		>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	19.92	
			For 0.025" (25 mil) Application, Add	1.25	
			For 0.03" (30 mil) Application, Add	2.03	
			For 0.125" (125 mil) Application, Add	12.48	
02 83 19 13-0055	LF		>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	27.29	
			For 0.025" (25 mil) Application, Add	1.66	
			For 0.03" (30 mil) Application, Add	2.68	
			For 0.125" (125 mil) Application, Add	15.82	
02 83 19 13-0056	LF		>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material.....	48.92	
			For 0.025" (25 mil) Application, Add	2.90	
			For 0.03" (30 mil) Application, Add	4.63	
			For 0.125" (125 mil) Application, Add	25.73	
02 83 19 13-0057	SF		>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	14.61	
			For 0.025" (25 mil) Application, Add	0.84	
			For 0.03" (30 mil) Application, Add	1.33	
			For 0.125" (125 mil) Application, Add	6.89	
02 83 19 13-0058	EA		Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	290.44	
			For 0.025" (25 mil) Application, Add	15.97	
			For 0.03" (30 mil) Application, Add	24.87	
02 83 19 13-0059	SF		Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material.....	20.41	
			For 0.025" (25 mil) Application, Add	1.58	
			For 0.03" (30 mil) Application, Add	2.73	
02 83 19 13-0060	SF		Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	22.33	
			For 0.025" (25 mil) Application, Add	1.68	
			For 0.03" (30 mil) Application, Add	2.87	
02 83 19 13-0061	SF		Siding, Chemical Stripping Of Lead Contaminated Material	11.63	
			For 0.025" (25 mil) Application, Add	0.83	
			For 0.03" (30 mil) Application, Add	1.40	
			For 0.125" (125 mil) Application, Add	10.41	
02 83 19 13-0062	SF		Soffit, Chemical Stripping Of Lead Contaminated Material	24.34	
			For 0.025" (25 mil) Application, Add	1.42	
			For 0.03" (30 mil) Application, Add	2.25	
			For 0.125" (125 mil) Application, Add	12.09	
02 83 19 13-0063	SF		Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material.....	11.21	
			For 0.025" (25 mil) Application, Add	0.76	
			For 0.03" (30 mil) Application, Add	1.27	
			For 0.125" (125 mil) Application, Add	8.80	
02 83 19 13-0064	SF		Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	12.73	
			For 0.025" (25 mil) Application, Add	0.84	
			For 0.03" (30 mil) Application, Add	1.38	
			For 0.125" (125 mil) Application, Add	9.18	
02 83 19 13-0065	SF		Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material.....	12.69	
			For 0.025" (25 mil) Application, Add	0.83	
			For 0.03" (30 mil) Application, Add	1.38	
			For 0.125" (125 mil) Application, Add	9.17	
02 83 19 13-0066	SF		Steel Trusses, Chemical Stripping Of Lead Contaminated Material	17.97	
			For 0.025" (25 mil) Application, Add	1.10	
			For 0.03" (30 mil) Application, Add	1.77	
			For 0.125" (125 mil) Application, Add	10.49	
02 83 19 13-0067	SF		Wood Surfaces, Chemical Stripping Of Lead Contaminated Material.....	12.69	
			For 0.025" (25 mil) Application, Add	0.83	
			For 0.03" (30 mil) Application, Add	1.38	
			For 0.125" (125 mil) Application, Add	9.17	
02 83 19 13-0068	SF		Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material.....	29.21	
			For 0.025" (25 mil) Application, Add	1.66	
			For 0.03" (30 mil) Application, Add	2.62	
02 83 19 13-0069	SF		Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	31.96	
			For 0.025" (25 mil) Application, Add	1.80	
			For 0.03" (30 mil) Application, Add	2.82	

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 83 19 13-0070	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material.....	33.82
		For 0.025" (25 mil) Application, Add	1.89
		For 0.03" (30 mil) Application, Add	2.96
02 83 19 13-0071	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material.....	35.69
		For 0.025" (25 mil) Application, Add	1.98
		For 0.03" (30 mil) Application, Add	3.10
02 83 19 13-0072	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material.....	37.56
		For 0.025" (25 mil) Application, Add	2.08
		For 0.03" (30 mil) Application, Add	3.24
02 83 19 13-0073	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material.....	39.50
		For 0.025" (25 mil) Application, Add	2.18
		For 0.03" (30 mil) Application, Add	3.39
02 83 19 13-0074	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material.....	41.31
		For 0.025" (25 mil) Application, Add	2.27
		For 0.03" (30 mil) Application, Add	3.52
02 83 19 13-0075	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material.....	42.25
		For 0.025" (25 mil) Application, Add	2.31
		For 0.03" (30 mil) Application, Add	3.59
02 83 19 13-0076	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material.....	43.20
		For 0.025" (25 mil) Application, Add	2.36
		For 0.03" (30 mil) Application, Add	3.67
02 83 19 13-0077	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material.....	44.10
		For 0.025" (25 mil) Application, Add	2.41
		For 0.03" (30 mil) Application, Add	3.73
02 83 19 13-0078	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	58.29
		For 0.025" (25 mil) Application, Add	3.31
		For 0.03" (30 mil) Application, Add	5.22
		For 0.125" (125 mil) Application, Add	26.57
02 83 19 13-0079	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material.....	10.13
		For 0.025" (25 mil) Application, Add	0.66
		For 0.03" (30 mil) Application, Add	1.08
		For 0.125" (125 mil) Application, Add	7.03
02 83 19 13-0080	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	29.65
		Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	
		For 0.025" (25 mil) Application, Add	1.78
		For 0.03" (30 mil) Application, Add	2.86
		For 0.125" (125 mil) Application, Add	16.41
02 83 19 13-0081	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material.....	32.40
		Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	
		For 0.025" (25 mil) Application, Add	1.87
		For 0.03" (30 mil) Application, Add	2.96
		For 0.125" (125 mil) Application, Add	15.60

02 83 19 13-0082**Demolish Lead Contaminated Material** (02 83 19 13)

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0083	SF	Demolish Ceiling Suspension System, Lead Contaminated Material	2.56
02 83 19 13-0084	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.49
02 83 19 13-0085	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.95
02 83 19 13-0086	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	1.48
02 83 19 13-0087	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	71.43
02 83 19 13-0088	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	94.75
02 83 19 13-0089	SF	Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	10.58
02 83 19 13-0090	SF	Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	5.92
02 83 19 13-0091	SF	Demolish Brick, Lead Contaminated Material	4.46
02 83 19 13-0092	SF	Demolish Concrete Block, Lead Contaminated Material.....	5.74
02 83 19 13-0093	SF	Demolish Tile, Lead Contaminated Material	4.33
02 83 19 13-0094	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	6.51
02 83 19 13-0095	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	5.07
02 83 19 13-0096	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth.....	6.76
02 83 19 13-0097	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material.....	7.40
02 83 19 13-0098	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material.....	1.92
02 83 19 13-0099	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material.....	2.41
02 83 19 13-0100	LF	Demolish Base Shoe Molding, Lead Contaminated Material	1.57
02 83 19 13-0101	SF	Demolish Concrete, Lead Contaminated Material	14.73
02 83 19 13-0102	LF	Demolish Cabinets, Lead Contaminated Material	34.32
02 83 19 13-0103	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.95
02 83 19 13-0104	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	19.01
02 83 19 13-0105	SF	Demolish Cornice, Lead Contaminated Material.....	2.52
02 83 19 13-0106	EA	Demolish Doors, Lead Contaminated Material	74.45
02 83 19 13-0107	LF	Demolish Door And Window Wood Trim Or Wood Frames, Lead Contaminated Material	2.26
02 83 19 13-0108	EA	Demolish Electrical Devices, Lead Contaminated Material.....	22.84
02 83 19 13-0109	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material.....	2.93
02 83 19 13-0110	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	4.88
02 83 19 13-0111	SF	Demolish Wood Floors, Lead Contaminated Material.....	3.51
02 83 19 13-0112	SF	Demolish Grilles, Lead Contaminated Material.....	4.13
02 83 19 13-0113	EA	Demolish Hinges, Lead Contaminated Material.....	8.31
02 83 19 13-0114	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	17.85
02 83 19 13-0115	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material.....	7.32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0116	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	10.67	
02 83 19 13-0117	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	16.13	
02 83 19 13-0118	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material.....	29.75	
02 83 19 13-0119	EA	Demolish Radiators, Lead Contaminated Material.....	128.50	
02 83 19 13-0120	EA	Demolish Shutters, Lead Contaminated Material.....	50.08	
02 83 19 13-0121	SF	Demolish Siding, Lead Contaminated Material.....	1.99	
02 83 19 13-0122	SF	Demolish Soffit, Lead Contaminated Material.....	1.69	
02 83 19 13-0123	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material.....	4.63	
02 83 19 13-0124	SF	Demolish Steel Beams, Lead Contaminated Material.....	5.46	
02 83 19 13-0125	SF	Demolish Trusses, Lead Contaminated Material.....	7.15	
02 83 19 13-0126	SF	Demolish Walls, Wood, Lead Contaminated Material.....	5.29	
02 83 19 13-0127	SF	Demolish Windows, Lead Contaminated Material.....	17.77	
02 83 19 13-0128	SF	Demolish Metal Stair, Lead Contaminated Material.....	8.51	
02 83 19 13-0129	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material.....	6.26	
02 83 19 13-0130	LF	Demolish Metal Railing And Posts, Lead Contaminated Material.....	10.21	
02 83 19 13-0131	SF	Demolish Metal Picket Fence, Lead Contaminated Material.....	2.81	
02 83 19 13-0132	SF	Demolish Plywood, Lead Contaminated Material.....	7.69	
02 83 19 13-0133	SF	Demolish Planks (Various Sizes), Lead Contaminated Material.....	3.75	
02 83 19 13-0134	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	23.45	
02 83 19 13-0135	SF	Demolish Ceramic Tile Block, Lead Contaminated Material.....	5.12	
02 83 19 13-0136	LF	Demolish Metal Guard Rails, Lead Contaminated Material.....	14.07	
02 83 19 13-0137	LF	Demolish Roof Metal Trim, Lead Contaminated Material.....	3.00	
02 83 19 13-0138	LF	Demolish Rain Gutters, Lead Contaminated Material.....	5.16	
02 83 19 13-0139	LF	Demolish Downspouts, Lead Contaminated Material.....	4.22	
02 83 19 13-0140	SF	Demolish Corrugated Metal Roofing, Lead Contaminated Material.....	5.21	
02 83 19 13-0141	LF	Demolish Roof Metal Flashing, Lead Contaminated Material.....	3.00	
02 83 19 13-0142	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material.....	7.51	
02 83 19 13-0143	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material.....	7.51	
02 83 19 13-0144	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material.....	5.39	
02 83 19 13-0145	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	4.22	
02 83 19 13-0146	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material.....	3.28	
02 83 19 13-0147	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material..... Note: Includes lath on plaster and backing insulation on stucco.	23.45	
02 83 19 13-0148	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material..... Note: Includes lath on plaster and backing insulation on stucco.	16.68	
02 83 19 13-0149	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material..... Note: Includes lath on plaster and backing insulation on stucco.	12.50	
02 83 19 13-0150	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material..... Note: Includes lath on plaster and backing insulation on stucco.	9.38	
02 83 19 13-0151		Wet Sanding/Light Scraping Of Lead Contaminated Material (02 83 19 13) Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0152	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting.....	3.58	
02 83 19 13-0153		Lead Abatement Encapsulation (02 83 19 13) Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0154	SF	Balustrades, Lead Abatement Encapsulation.....	6.51	
02 83 19 13-0155	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation.....	6.43	
02 83 19 13-0156	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation.....	8.74	
02 83 19 13-0157	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	4.19	
02 83 19 13-0158	SF	Ornate Cabinets, Lead Abatement Encapsulation.....	9.41	
02 83 19 13-0159	SF	Simple Design Cabinets, Lead Abatement Encapsulation.....	7.67	
02 83 19 13-0160	SF	Drywall Ceilings, Lead Abatement Encapsulation.....	2.64	
02 83 19 13-0161	SF	Wood Ceilings, Lead Abatement Encapsulation.....	3.20	
02 83 19 13-0162	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation.....	2.97	
02 83 19 13-0163	SF	Columns, Lead Abatement Encapsulation.....	5.06	
02 83 19 13-0164	SF	Doors, Lead Abatement Encapsulation.....	9.63	
02 83 19 13-0165	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation.....	4.25	
02 83 19 13-0166	SF	Picket Fence (Brush), Lead Abatement Encapsulation.....	3.03	
02 83 19 13-0167	SF	Wood Floors (Roller), Lead Abatement Encapsulation.....	2.54	
02 83 19 13-0168	SF	Grilles, Vents, Lead Abatement Encapsulation.....	7.02	
02 83 19 13-0169	LF	Gutters And Downspouts, Lead Abatement Encapsulation.....	6.51	
02 83 19 13-0170	EA	Hangers, Lead Abatement Encapsulation.....	55.23	
02 83 19 13-0171	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	3.95	
02 83 19 13-0172	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	5.71	
02 83 19 13-0173	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	8.86	
02 83 19 13-0174	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	13.08	
02 83 19 13-0175	EA	Radiators, Lead Abatement Encapsulation.....	143.49	
02 83 19 13-0176	EA	Up To 6' Shutters, Lead Abatement Encapsulation.....	204.84	
02 83 19 13-0177	SF	Siding, Lead Abatement Encapsulation.....	3.61	
02 83 19 13-0178	SF	Up To 12" Soffit, Lead Abatement Encapsulation.....	5.06	
02 83 19 13-0179	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation.....	4.19	
02 83 19 13-0180	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	5.47	
02 83 19 13-0181	SF	Trusses, Lead Abatement Encapsulation.....	5.47	
02 83 19 13-0182	SF	Drywall Walls, Lead Abatement Encapsulation.....	2.36	
02 83 19 13-0183	SF	Wood Walls, Lead Abatement Encapsulation.....	2.89	
02 83 19 13-0184	EA	Window Without Grille, Lead Abatement Encapsulation.....	121.65	
02 83 19 13-0185	EA	Window With Grille, Lead Abatement Encapsulation.....	156.34	
02 83 19 13-0186	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation.....	3.71	
02 83 19 13-0187	LF	Steel Lintels, Lead Abatement Encapsulation.....	4.27	

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

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)

02 83 33 13-0001	Remove Loose Dirt And Debris Containing Lead (02 83 33 13)	
02 83 33 13-0002	SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.30
02 83 33 13-0003	SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.29
02 83 33 13-0004	SF High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.48

02 84 Polychlorinated Biphenyl Remediation (02 80)**02 84 16 Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury (02 84)**

02 84 16 00-0001	Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)	
	Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.	
02 84 16 00-0002	EA Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling.....	10.39

02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)

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

02 84 16 00-0004	EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	3.31
02 84 16 00-0005	EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	4.21
02 84 16 00-0006	EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	9.96
02 84 16 00-0007	EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	20.84

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

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

02 84 16 00-0009	EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	6.03
02 84 16 00-0010	EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	8.30
02 84 16 00-0011	EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	25.59
02 84 16 00-0012	EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	49.70

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

02 84 33 00-0001	Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers (02 84 33)	
	Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.	
02 84 33 00-0002	EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB).....	3,900.21
	Note: Includes disposal costs.	
02 84 33 00-0003	EA Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB).....	6,121.83
	Note: Includes disposal costs.	
02 84 33 00-0004	EA Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB).....	1,696.65
02 84 33 00-0005	EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB).....	7,356.13
	Note: Includes disposal costs.	
02 84 33 00-0006	EA Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	2,996.80
02 84 33 00-0007	EA Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB).....	11,592.00
	Note: Includes disposal costs.	

02 86 Hazardous Waste Drum Handling (02 80)

02 86 00 00-0001	Hazardous Waste Packaging (02 86)	
02 86 00 00-0002	Overpacks (02 86 00 00-0001)	
02 86 00 00-0003	Steel Salvage Drums, 16 Gauge (02 86 00 00-0002)	
02 86 00 00-0004	EA 110 Gallon, 30" Diameter X 41" High.....	515.13
02 86 00 00-0005	EA 85 Gallon, 26" Diameter X 38" High.....	293.23
02 86 00 00-0006	EA 83 Gallon, 26" Diameter X 36" High.....	283.01
02 86 00 00-0007	EA 55 Gallon, DOT 17C, 18" Diameter X 34" High.....	177.06
02 86 00 00-0008	EA 30 Gallon, DOT 17C, 18" Diameter X 28" High.....	139.48
02 86 00 00-0009	EA 22 Gallon, 16" Diameter X 25" High.....	93.97
02 86 00 00-0010	EA 15 Gallon, DOT 17C, 14" Diameter X 24" High.....	84.97
02 86 00 00-0011	EA 10 Gallon, 13.8" Diameter X 15" High.....	74.87
02 86 00 00-0012	Polyethylene Overpacks (02 86 00 00-0002)	
02 86 00 00-0013	EA 95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High	581.87
02 86 00 00-0014	EA 20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High	107.53
02 86 00 00-0015	EA 85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High	526.52
02 86 00 00-0016	Composite Overpacks (02 86 00 00-0002)	
02 86 00 00-0017	EA 55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums.....	285.72
02 86 00 00-0018	EA 55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums.....	392.08
02 86 00 00-0019	EA 85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums	531.82

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0020		DOT E-9168 Exempt Packaging (02 86 00 00-0002)		
02 86 00 00-0021	EA	32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	49.55	
02 86 00 00-0022	EA	950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	52.28	
02 86 00 00-0023	EA	500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	51.11	
02 86 00 00-0024	EA	250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	25.31	
02 86 00 00-0025	EA	Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	15.31	
02 86 00 00-0026	EA	16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	8.10	
02 86 00 00-0027	EA	32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	10.53	
02 86 00 00-0028		Steel Drums (02 86 00 00-0001)		
02 86 00 00-0029		UN Rated Steel Drums (02 86 00 00-0028)		
02 86 00 00-0030	EA	UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	135.52	
02 86 00 00-0031	EA	UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum	128.09	
02 86 00 00-0032	EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	103.86	
02 86 00 00-0033	EA	UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum	81.85	
02 86 00 00-0034	EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum	94.88	
02 86 00 00-0035	EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	80.65	
02 86 00 00-0036	EA	30 Gallon, 17E, Open, Steel Drum	58.51	
02 86 00 00-0037	EA	20 Gallon, 17C, Open, Steel Drum	82.23	
02 86 00 00-0038	EA	20 Gallon, 17E, Open, Steel Drum	55.35	
02 86 00 00-0039	EA	8 Gallon, 17C, Open, Steel Drum	95.94	
02 86 00 00-0040	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,598.52	
02 86 00 00-0041	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,568.59	
02 86 00 00-0042	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+)	1,412.93	
02 86 00 00-0043	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	1,508.72	
02 86 00 00-0044	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	1,472.80	
02 86 00 00-0045	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	1,445.85	
02 86 00 00-0046	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	1,302.17	
02 86 00 00-0047	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	1,140.52	
02 86 00 00-0048	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	1,113.58	
02 86 00 00-0049	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	1,092.62	
02 86 00 00-0050	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	984.86	
02 86 00 00-0051	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	927.98	
02 86 00 00-0052	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	892.06	
02 86 00 00-0053	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	853.14	
02 86 00 00-0054	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	823.21	
02 86 00 00-0055	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,559.61	
02 86 00 00-0056	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,529.67	
02 86 00 00-0057	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	1,380.00	
02 86 00 00-0058	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	1,308.15	
02 86 00 00-0059	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9)	1,445.85	
02 86 00 00-0060	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24)	1,418.91	
02 86 00 00-0061	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49)	1,278.22	
02 86 00 00-0062	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+)	1,212.36	
02 86 00 00-0063	EA	55 Gallon Reconditioned Steel 17h Drum (1-9)	137.65	
02 86 00 00-0064	EA	55 Gallon Reconditioned Steel 17h Drum (10-24)	122.00	
02 86 00 00-0065	EA	55 Gallon Reconditioned Steel 17h Drum (25-49)	106.36	
02 86 00 00-0066	EA	55 Gallon Reconditioned Steel 17h Drum (50+)	93.85	
02 86 00 00-0067		Plastic Drums (02 86 00 00-0001)		
02 86 00 00-0068		Polyethylene Closed Head Drums (02 86 00 00-0067)		
		Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.		
02 86 00 00-0069	EA	55 Gallon Polyethylene Closed Head Drums	85.08	
02 86 00 00-0070	EA	35 Gallon Polyethylene Closed Head Drums	65.31	
02 86 00 00-0071	EA	30 Gallon Polyethylene Closed Head Drums	59.30	
02 86 00 00-0072	EA	20 Gallon Polyethylene Closed Head Drums	41.43	
02 86 00 00-0073	EA	15 Gallon Polyethylene Closed Head Drums	40.64	
02 86 00 00-0074		Polyethylene Open Head Drums (02 86 00 00-0067)		
		Note: Open head drums are primarily used for solids and sludge.		
02 86 00 00-0075	EA	55 Gallon Polyethylene Open Head Drums	107.53	
02 86 00 00-0076	EA	35 Gallon Polyethylene Open Head Drums	79.07	
02 86 00 00-0077	EA	30 Gallon Polyethylene Open Head Drums	75.11	
02 86 00 00-0078	EA	20 Gallon Polyethylene Open Head Drums	55.35	
02 86 00 00-0079	EA	15 Gallon Polyethylene Open Head Drums	47.44	
02 86 00 00-0080		Fiber Drums (02 86 00 00-0001)		
02 86 00 00-0081		Steel Top/Fiber Bottom Drums, Hazardous (02 86 00 00-0080)		
		Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.		
02 86 00 00-0082	EA	30 Gallon Fiber Drum DOT-21C (1-9)	65.15	
02 86 00 00-0083	EA	30 Gallon Fiber Drum DOT-21C (10-24)	61.04	
02 86 00 00-0084	EA	30 Gallon Fiber Drum DOT-21C (25-49)	55.66	
02 86 00 00-0085	EA	30 Gallon Fiber Drum DOT-21C (50+)	55.03	
02 86 00 00-0086	EA	55 Gallon Fiber Drum DOT-21C (1-9)	67.05	
02 86 00 00-0087	EA	55 Gallon Fiber Drum DOT-21C (10-24)	63.25	
02 86 00 00-0088	EA	55 Gallon Fiber Drum DOT-21C (25-49)	58.51	
02 86 00 00-0089	EA	55 Gallon Fiber Drum DOT-21C (50-99)	56.61	
02 86 00 00-0090	EA	55 Gallon Fiber Drum DOT-21C (100+)	49.02	

02 Existing Conditions**02 80 Facility Remediation****02 86 Hazardous Waste Drum Handling**
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 86 00 00-0091	EA	10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	41.75
02 86 00 00-0092	EA	20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	45.54
02 86 00 00-0093	EA	20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	53.13

02 86 00 00-0094 Loading Hazardous Waste For Shipment (02 86 00 00-0001)

02 86 00 00-0095	EA	Load Drums On Disposal Truck	12.00
02 86 00 00-0096	EA	Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	1,250.54

02 86 00 00-0097 Transport Drums To Landfill (02 86 00 00-0001)

Note: Includes transportation for up to 25 miles.

02 86 00 00-0098	EA	Transport Drum To Landfill	102.29
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Note: Includes transportation for up to 25 miles.

02 87 Bio-Hazard Material Remediation (02 80)**02 87 13 Mold Remediation (02 87)**

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0035 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0015 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)**02 87 13 33-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)**

Note: Treat fittings as additional lf of insulation.

02 87 13 33-0002 Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)

Note: Diameter is outer size of insulation.

02 87 13 33-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)

Note: Excludes encased fittings.

02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	832.73
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	32.30
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.33
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.36
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	13.87
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.12

02 87 13 33-0010 >6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)

02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	858.66
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	38.37
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	29.21
02 87 13 33-0014	LF	>500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.34
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.18
02 87 13 33-0016	LF	>10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.18

02 87 13 33-0017 Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)**02 87 13 33-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)**

02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	845.69
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	18.74
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	14.17
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	10.73
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.32

02 87 13 33-0024 Surfacing Material, Mold Abatement And Disposal (02 87 13 33)

Note: e.g. fireproofing, acoustical plaster, etc.

02 87 13 33-0025 Stucco, Mold Abatement And Disposal (02 87 13 33-0024)

Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	838.49
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	18.60
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	14.03
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	10.59
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	8.03

02 87 13 33-0031 Acoustical Plaster, Mold Abatement And Disposal (02 87 13 33-0024)

Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	838.49
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	18.60
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	14.03
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	10.59
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	8.03

		Existing Conditions	02	02
		Facility Remediation	02 80	
		Bio-Hazard Material Remediation	02 87	
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		UNIT COST	UNIT COST	

02 87 13 33-0037	Gypsum Board, Mold Abatement And Disposal (02 87 13 33-0024)			
02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	852.90	
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	6.21	
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	4.93	
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.89	
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.86	
02 87 13 33-0043	Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024)			
	Note: Exposed surface area, includes associated overspray.			
02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	845.69	
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal	25.66	
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	19.38	
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	14.65	
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	11.09	
02 87 13 33-0049	Flooring, Mold Abatement And Disposal (02 87 13 33)			
	Note: Includes cove base.			
02 87 13 33-0050	Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0049)			
02 87 13 33-0051	Floor Tile Or Linoleum, Mold Abatement And Disposal (02 87 13 33-0050)			
	Note: Single layer or first of multiple layers.			
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	852.90	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	6.18	
	For Each Additional Layer, Add		1.55	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.46	
	For Each Additional Layer, Add		0.87	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	2.01	
	For Each Additional Layer, Add		0.50	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.56	
	For Each Additional Layer, Add		0.39	
02 87 13 33-0057	Carpet, Mold Abatement And Disposal (02 87 13 33-0049)			
02 87 13 33-0058	Carpet, Glue Down, Mold Abatement And Disposal (02 87 13 33-0057)			
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	852.90	
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	5.14	
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.23	
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.17	
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.67	
02 87 13 33-0064	Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 87 13 33-0057)			
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	852.90	
	Note: Includes tack strips.			
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	5.78	
	Note: Includes tack strips.			
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	4.21	
	Note: Includes tack strips.			
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal	3.34	
	Note: Includes tack strips.			
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal	2.58	
	Note: Includes tack strips.			
02 87 13 33-0070	Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)			
02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	845.69	
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	7.10	
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	4.56	
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.75	
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.76	
02 87 13 33-0076	Siding, Mold Abatement And Disposal (02 87 13 33)			
02 87 13 33-0077	Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076)			
	Note: Includes detachment of mounted objects before removal.			
02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal	852.90	
	Note: Includes detachment of mounted objects before removal.			
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal	6.16	
	Note: Includes detachment of mounted objects before removal.			
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal	4.33	
	Note: Includes detachment of mounted objects before removal.			
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal	2.53	
	Note: Includes detachment of mounted objects before removal.			
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal	1.94	
	Note: Includes detachment of mounted objects before removal.			
02 87 13 33-0083	Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)			
02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	852.90	
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	7.65	

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02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.31
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.59
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.23

02 87 13 33-0089 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)**02 87 13 33-0090 Contaminated Debris, Mold Abatement And Disposal** (02 87 13 33-0089)

02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	858.66
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	30.23
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	20.73
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	15.98
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	13.13
02 87 13 33-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.96
02 87 13 33-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.33

02 87 13 33-0098 Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)**02 87 13 33-0099 Wood Studs, Mold Abatement And Disposal** (02 87 13 33-0098)

Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.

02 87 13 33-0100	SET	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	426.44
02 87 13 33-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.46
02 87 13 33-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.57
02 87 13 33-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	2.01
02 87 13 33-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.52

02 87 13 33-0105 Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)

Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.

02 87 13 33-0106	SET	Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	852.90
02 87 13 33-0107	SF	>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	10.59
02 87 13 33-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	4.98
02 87 13 33-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.59
02 87 13 33-0110	SF	>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.53
02 87 13 33-0111	SF	>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.46
02 87 13 33-0112	SF	>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.04
02 87 13 33-0113	SF	>100,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.65

02 87 13 33-0114 Caulking, Mold Abatement And Disposal (02 87 13 33-0098)

02 87 13 33-0115	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal	206.50
02 87 13 33-0116	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal	4.14
02 87 13 33-0117	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	2.96
02 87 13 33-0118	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	2.25
02 87 13 33-0119	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.67
02 87 13 33-0120	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.35
02 87 13 33-0121	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	1.16

02 87 13 33-0122 Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)

02 87 13 33-0123	CSF	Wipe Down Floors With Mild Bleach Solution	22.90
		For >25 To 50, Deduct	-2.29
		For >50 To 200, Deduct	-5.72
		For >200, Deduct	-9.16
02 87 13 33-0124	CSF	Wipe Down Walls With Mild Bleach Solution	26.94
		For >25 To 50, Deduct	-2.69
		For >50 To 200, Deduct	-6.73
		For >200, Deduct	-10.77
02 87 13 33-0125	CSF	Wipe Down Ceilings With Mild Bleach Solution	30.65
		For >25 To 50, Deduct	-3.06
		For >50 To 200, Deduct	-7.66
		For >200, Deduct	-12.26
02 87 13 33-0126	CSF	Wipe Down Countertops With Mild Bleach Solution	24.99
		For >25 To 50, Deduct	-2.50
02 87 13 33-0127	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	31.71
		For >25 To 50, Deduct	-3.17
		For >50 To 200, Deduct	-7.93
		For >200, Deduct	-12.68

02 87 13 33-0128 Cabinets (02 87 13 33-0098)

02 87 13 33-0129	SET	Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	902.11
02 87 13 33-0130	LF	>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	95.20
02 87 13 33-0131	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	70.25
02 87 13 33-0132	SET	Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	850.24
02 87 13 33-0133	LF	>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	80.04
02 87 13 33-0134	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	55.09

02 87 16 Excrement Removal (02 87)

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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the total quantity for the entire project, not a particular work area.

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

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

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

02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	824.08
		<i>For Work In Restricted Working Space, Add</i>	247.22
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	13.74
		<i>For Work In Restricted Working Space, Add</i>	4.12
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	12.49
		<i>For Work In Restricted Working Space, Add</i>	3.75
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	11.35
		<i>For Work In Restricted Working Space, Add</i>	3.41
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	10.32
		<i>For Work In Restricted Working Space, Add</i>	3.10

02 87 19 Bio-Hazard and Infectious Disease Control Remediation (02 87)

02 87 19 00-0001 Barriers For Bio-Hazard And Infectious Disease Control (02 87 19)

02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	725.40
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	689.09
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	543.83
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	628.56
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,227.76
		Note: Includes a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	250.12
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	332.43
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	356.64
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	207.76
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)	1,469.86
		Note: Includes a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	207.76
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010)	1,106.71
		Note: Includes a hydraulic closer and a lever style lockset standard.	
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003)	15.44
		Note: To seal panels to existing walls	
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	339.43

02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Includes removal and disposal in approved landfill after use.

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.64
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.85
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.14
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.76
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.97
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.26

02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Includes removal after use.

02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.09
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.11
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.49

02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

Note: Includes removal after use.

02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.08
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	9.83
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.26
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	10.19
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	4.10

02 87 19 00-0034 Isolation Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)

02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control	26.66
		Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.	
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	3.27

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 87 19 00-0037		Plexiglass Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)		
02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	22.58	
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	26.42	
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	36.87	
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control.....	1,535.22	
		Note: Excludes gloves.		
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	550.08	
		Note: For installation in glove iris port.		
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	875.54	
		Note: For installation in glove iris port.		
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease.....	162.40	
		Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).		
02 87 19 00-0045		Temporary Portable And Mobile Trailers (02 87 19)		
02 87 19 00-0046		Trailer Delivery (02 87 19 00-0045)		
02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles	1,240.13	
02 87 19 00-0048		Portable And Mobile Trailers, Purchase (02 87 19 00-0045)		
		Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase	13,423.93	
		For Tie-Downs, Add	133.31	
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase	18,962.33	
		For Tie-Downs, Add	133.31	
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase	27,051.84	
		For Tie-Downs, Add	133.31	
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase	33,800.05	
		For Tie-Downs, Add	133.31	
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase	38,426.20	
		For Tie-Downs, Add	133.31	
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase	40,399.67	
		For Tie-Downs, Add	133.31	
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase	44,952.45	
		For Tie-Downs, Add	133.31	
02 87 19 00-0056		Accessories For Portable And Mobile Trailers (02 87 19 00-0045)		
02 87 19 00-0057		Skirting (02 87 19 00-0056)		
		Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058	SF	1'-8" High Vinyl Covered Skirt.....	5.79	2.32
02 87 19 00-0059	SF	3' High Vinyl Covered Skirt	8.53	3.82
02 87 19 00-0060		Aluminum Modular Access Ramp (02 87 19 00-0056)		
		Note: Includes picketed guardrails, inside grab rails, legs and hardware.		
02 87 19 00-0061	EA	Up To 35" High, Aluminum Modular Access Ramp.....	3,930.56	44.35
02 87 19 00-0062		Aluminum Modular Stairs (02 87 19 00-0056)		
		Note: Excludes earthwork		
02 87 19 00-0063	EA	Aluminum Steps For Mobile Trailers	1,087.54	
02 87 19 00-0064		Decontamination Chambers For Bio-Hazard And Infectious Disease Control (02 87 19)		
		Note: Includes removal after use.		
02 87 19 00-0065	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control	1,067.82	
		Note: Includes connection to negative air system.		
02 87 19 00-0066	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control	1,259.15	
		Note: Includes connection to negative air system.		
02 87 19 00-0067	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control.....	656.64	
		Note: Includes connection to negative air system.		
02 87 19 00-0068		Bio-Hazard And Infectious Disease Control Cleaning, Level 2 (02 87 19)		
		Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.		
02 87 19 00-0069		Bio-Hazard And Infectious Disease Control Cleaning Mobilization (02 87 19 00-0068)		
02 87 19 00-0070	EA	Bio-Hazard And Infectious Disease Control Mobilization And Set-Up.....	427.81	
		Note: Mobilization and set-up minimum for each site location, for levels 1, 2 or 3.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

02 87 19 00-0071	Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces (02 87 19 00-0068) Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces				
02 87 19 00-0072	CSF		Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	31.71	
			For >25 To 50, Deduct	-3.17	
			For >50 To 200, Deduct	-6.34	
			For >200, Deduct	-9.51	
			For Cleaning Surfaces With Goldshield® GS5, Add	14.99	
			For Level 1 Biohazard Cleaning, Deduct	-6.34	
			For Level 3 Biohazard Cleaning, Add	10.46	
02 87 19 00-0073	CSF		Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	37.31	
			For >25 To 50, Deduct	-3.73	
			For >50 To 200, Deduct	-7.46	
			For >200, Deduct	-11.19	
			For Cleaning Surfaces With Goldshield® GS5, Add	14.99	
			For Level 1 Biohazard Cleaning, Deduct	-7.46	
			For Level 3 Biohazard Cleaning, Add	12.31	
02 87 19 00-0074	CSF		Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	42.43	
			For >25 To 50, Deduct	-4.24	
			For >50 To 200, Deduct	-8.48	
			For >200, Deduct	-12.72	
			For Cleaning Surfaces With Goldshield® GS5, Add	14.99	
			For Level 1 Biohazard Cleaning, Deduct	-8.48	
			For Level 3 Biohazard Cleaning, Add	14.00	
02 87 19 00-0075	CSF		Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	34.59	
			For Cleaning Surfaces With Goldshield® GS5, Add	14.99	
			For >5 To 10, Deduct	-1.73	
			For >10 To 50, Deduct	-3.46	
			For >50, Deduct	-6.91	
			For Level 1 Biohazard Cleaning, Deduct	-6.91	
			For Level 3 Biohazard Cleaning, Add	11.41	
02 87 19 00-0076	CSF		Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	43.89	
			For >25 To 50, Deduct	-4.39	
			For >50 To 200, Deduct	-8.77	
			For >200, Deduct	-13.16	
			For Cleaning Surfaces With Goldshield® GS5, Add	14.99	
			For Level 1 Biohazard Cleaning, Deduct	-8.77	
			For Level 3 Biohazard Cleaning, Add	14.48	

02 87 19 00-0077	Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials (02 87 19 00-0068) Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect				
02 87 19 00-0078	EA		Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	81.97	
			For Level 1 Biohazard Cleaning, Deduct	-16.39	
			For Level 3 Biohazard Cleaning, Add	27.04	
			For Cleaning Surfaces With Goldshield® GS5, Add	7.50	
02 87 19 00-0079	EA		Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	37.62	
			For Level 1 Biohazard Cleaning, Deduct	-7.52	
			For Level 3 Biohazard Cleaning, Add	12.41	
			For Cleaning Surfaces With Goldshield® GS5, Add	5.00	
02 87 19 00-0080	EA		Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	132.05	
			For Level 1 Biohazard Cleaning, Deduct	-26.41	
			For Level 3 Biohazard Cleaning, Add	43.57	
			For Cleaning Surfaces With Goldshield® GS5, Add	7.50	
02 87 19 00-0081	EA		Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	8.14	
			For Level 1 Biohazard Cleaning, Deduct	-1.62	
			For Level 3 Biohazard Cleaning, Add	2.68	
			For Cleaning Surfaces With Goldshield® GS5, Add	1.50	
02 87 19 00-0082	EA		Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	121.72	
			Clean-up		
			Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
			For Level 1 Biohazard Cleaning, Deduct	-24.34	
			For Level 3 Biohazard Cleaning, Add	40.16	
			For Cleaning Surfaces With Goldshield® GS5, Add	7.50	
02 87 19 00-0083	EA		Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	13.00	
			Clean-up		
			For Level 1 Biohazard Cleaning, Deduct	-2.60	
			For Level 3 Biohazard Cleaning, Add	4.28	
			For Cleaning Surfaces With Goldshield® GS5, Add	1.50	

02 87 19 00-0084	Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork (02 87 19 00-0068)				
02 87 19 00-0085	LF		Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control	4.78	
			Cleaning		
			For Level 1 Biohazard Cleaning, Deduct	-0.95	
			For Level 3 Biohazard Cleaning, Add	1.57	
02 87 19 00-0086	LF		>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control	6.00	
			Cleaning		
			For Level 1 Biohazard Cleaning, Deduct	-1.19	
			For Level 3 Biohazard Cleaning, Add	1.96	
02 87 19 00-0087	LF		>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control	8.04	
			Cleaning		
			For Level 1 Biohazard Cleaning, Deduct	-1.58	
			For Level 3 Biohazard Cleaning, Add	2.61	

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 87 19 00-0088	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	11.39
		For Level 1 Biohazard Cleaning, Deduct	-2.23
		For Level 3 Biohazard Cleaning, Add	3.68
02 87 19 00-0089	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	213.93
		For Level 1 Biohazard Cleaning, Deduct	-42.78
		For Level 3 Biohazard Cleaning, Add	70.59
02 87 19 00-0090	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	14.87
		For Level 1 Biohazard Cleaning, Deduct	-2.97
		For Level 3 Biohazard Cleaning, Add	4.90
02 87 19 00-0091	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	142.63
		For Level 1 Biohazard Cleaning, Deduct	-28.52
		For Level 3 Biohazard Cleaning, Add	47.06
02 87 19 00-0092	EA	Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning.....	427.83
		For Level 1 Biohazard Cleaning, Deduct	-85.56
		For Level 3 Biohazard Cleaning, Add	141.18
02 87 19 00-0093	EA	Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning	35.67
		Note: Includes removal and reinstallation.	
		For Level 1 Biohazard Cleaning, Deduct	-7.13
		For Level 3 Biohazard Cleaning, Add	11.76
02 87 19 00-0094	SF	Apply Sporidicin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....	0.64
		For Level 1 Biohazard Cleaning, Deduct	-0.11
		For Level 3 Biohazard Cleaning, Add	0.19
02 87 19 00-0095	SF	Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....	0.72
		For Level 1 Biohazard Cleaning, Deduct	-0.11
		For Level 3 Biohazard Cleaning, Add	0.19

02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental (02 87 19)

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0097	DAY	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	102.87
02 87 19 00-0098	WK	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	438.15
02 87 19 00-0099	MO	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up	1,228.82
02 87 19 00-0100	DAY	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean- up.....	160.68
02 87 19 00-0101	WK	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean- up.....	441.86
02 87 19 00-0102	MO	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean- up.....	1,205.08
02 87 19 00-0103	DAY	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	34.77
02 87 19 00-0104	WK	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	95.61
02 87 19 00-0105	MO	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up	260.76
02 87 19 00-0106	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	109.47
02 87 19 00-0107	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	449.63
02 87 19 00-0108	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	1,358.66
02 87 19 00-0109	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio- Hazard And Infectious Disease Control Clean-up	125.73
		Note: Required if over 800 hours operation.	
02 87 19 00-0110	DAY	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	342.34
02 87 19 00-0111	WK	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	684.68
02 87 19 00-0112	MO	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,369.37
02 87 19 00-0113	DAY	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	456.46
02 87 19 00-0114	WK	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	912.91
02 87 19 00-0115	MO	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,825.82
02 87 19 00-0116	DAY	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,008.89
02 87 19 00-0117	WK	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,017.78
02 87 19 00-0118	MO	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	4,035.55
02 87 19 00-0119	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,345.18
02 87 19 00-0120	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,690.37
02 87 19 00-0121	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	5,380.74
02 87 19 00-0122	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,681.48
02 87 19 00-0123	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	3,362.96
02 87 19 00-0124	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	6,725.92
02 87 19 00-0125	EA	Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	130.92
		Note: Includes staking down tent.	
02 87 19 00-0126	EA	Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	261.85
		Note: Includes staking down tent.	
02 87 19 00-0127	EA	Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	785.53
		Note: Includes staking down tent.	
02 87 19 00-0128	EA	Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,571.07
		Note: Includes staking down tent.	
02 87 19 00-0129	EA	Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,618.45
		Note: Includes staking down tent.	
02 87 19 00-0130	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	74.86
02 87 19 00-0131	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	205.86
02 87 19 00-0132	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up	561.44

02 87 19 00-0133 Bio-Hazard And Infectious Disease Control Hauling By Truck (02 87 19)

Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0134	EA		Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up.....	114.59	
			Note: Each first 15 miles per trip		
			For Each Additional Mile Over First 15 Miles, Add Per Mile	1.43	
02 87 19 00-0135	EA		Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up.....	168.83	
			Note: Each first 15 miles per trip		
			For Each Additional Mile Over First 15 Miles, Add Per Mile	2.11	
02 87 19 00-0136	EA		Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up.....	174.75	
			Note: Each first 15 miles per trip		
			For Each Additional Mile Over First 15 Miles, Add Per Mile	2.18	
02 87 19 00-0137	EA		Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up	182.66	
			Note: Each first 15 miles per trip		
			For Each Additional Mile Over First 15 Miles, Add Per Mile	2.28	
02 87 19 00-0138			Bio-Hazard And Infectious Disease Control Disposal (02 87 19)		
			Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0139	CY		Bio-Hazard And Infectious Disease Control Landfill Dump Fee.....	46.68	
02 87 19 00-0140			BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters (02 87 19)		
			Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		
02 87 19 00-0141	EA		20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	46,694.26	
02 87 19 00-0142	EA		7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST).....	4,488.88	
02 87 19 00-0143	EA		Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04).....	7,427.28	
02 87 19 00-0144	SF		Sub Flooring For Medical Shelter (AKS-AB846).....	6.94	
02 87 19 00-0145	EA		Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5).....	2,038.62	
02 87 19 00-0146	EA		Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5).....	33,390.25	
02 87 19 00-0147	EA		3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915).....	1,163.84	
02 87 19 00-0148	EA		Negative Pressure Isolation (NPI) System (AK-NPIS-5).....	52,555.71	
			Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case		
02 87 19 00-0149	EA		6' Step Ladder (AKS-AC595).....	317.30	
02 87 19 00-0150	EA		10 Lb. Sledgehammer (AKS-AA268).....	95.96	
02 87 19 00-0151			Bio-Hazard And Infectious Disease Time And Material Tasks (02 87 19)		
			Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0152			Bio-Hazard And Infectious Disease Control Labor (02 87 19 00-0151)		
			Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0153	HR		General Laborer For Bio-Hazard And Infectious Disease Control Clean Up	110.12	
02 87 19 00-0154	HR		Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up.....	161.25	
02 87 19 00-0155	HR		Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up	103.65	
02 87 19 00-0156	HR		Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up	124.63	
02 87 19 00-0157	HR		Project Manager For Bio-Hazard And Infectious Disease Control Clean Up	137.06	
02 87 19 00-0158			Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment (02 87 19 00-0151)		
			Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0159	EA		Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	11.51	
02 87 19 00-0160	EA		Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	18.61	
02 87 19 00-0161	PR		Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	12.06	
02 87 19 00-0162	EA		Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	129.50	
02 87 19 00-0163	EA		Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	40.21	
02 87 19 00-0164	EA		Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	395.08	
			Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension		
02 87 19 00-0165	EA		14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	54.01	
			Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010		
02 87 19 00-0166	EA		19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....	98.12	
			Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.		
02 87 19 00-0167	BOX		Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	20.86	
02 87 19 00-0168	EA		Gloves - Rubber (Heavy-Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	17.81	
02 87 19 00-0169	EA		Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment	2,640.77	
			Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75-Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afi), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly		

02 Existing Conditions**02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 87 19 00-0170	Bio-Hazard And Infectious Disease Control Expendables (02 87 19 00-0151)	
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0035 for temporary walls.		
02 87 19 00-0171	GAL Bleach For Bio-Hazard And Infectious Disease Control Clean-up.....	8.97
02 87 19 00-0172	EA N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up.....	4.34
02 87 19 00-0173	GAL Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Clean Up	87.93
02 87 19 00-0174	GAL Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up	359.84
Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days		
02 87 19 00-0175	QT Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up.....	9.21
02 87 19 00-0176	EA Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up.....	5.76
02 87 19 00-0177	ROL Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up	11.44
02 87 19 00-0178	EA UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up	78.62
02 87 19 00-0179	ROL Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up	46.12
02 87 19 00-0180	LB Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up	6.72
02 87 19 00-0181	EA Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up.....	18.00
02 87 19 00-0182	ROL 6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up	141.99

02 89 Hazmat Ancillary Tasks and Support (02 80)

02 89 00 00-0001	Barriers And Protection (02 89)	
Note: Includes removal and disposal after use.		
02 89 00 00-0002	Isolation Barriers/Infectious Control (02 89 00 00-0001)	
See CSI section 01 56 16 00-0035 for temporary stud walls.		
02 89 00 00-0003	Hazmat Containment Construction Plastic Sheetting (02 89 00 00-0001)	
02 89 00 00-0004	SF	6 Mil Plastic Sheetting, Applied To Floors, Hazmat Containment Construction .....0.51
02 89 00 00-0005	SF	6 Mil Plastic Sheetting, Applied To Walls, Hazmat Containment Construction .....0.67
02 89 00 00-0006	SF	6 Mil Plastic Sheetting, Applied To Ceilings, Hazmat Containment Construction .....0.88
02 89 00 00-0007	SF	6 Mil Plastic Fire Retardant, Anti-static Sheetting, Applied To Floors, Hazmat Containment Construction.....0.79
02 89 00 00-0008	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheetting, Applied To Walls, Hazmat Containment Construction .....0.99
02 89 00 00-0009	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheetting, Applied To Ceilings, Hazmat Containment Construction .....1.30
02 89 00 00-0010	Cleaning Surfaces (02 89 00 00-0001)	
Note: Other surfaces outside contamination area but not contaminated by, or part of removal.		
02 89 00 00-0011	SF	Up To 100 SF, Clean Non-Asbestos Surface .....2.02
02 89 00 00-0012	SF	>100 To 500 SF, Clean Non-Asbestos Surface .....1.42
02 89 00 00-0013	SF	>500 To 1,000 SF, Clean Non-Asbestos Surface .....0.93
02 89 00 00-0014	SF	>1,000 SF, Clean Non-Asbestos Surface .....0.73
02 89 00 00-0015	Decontamination Chambers (02 89)	
Note: Includes removal after use.		
02 89 00 00-0016	EA	3 Stage Portable Personnel Decontamination Wash Facility .....1,082.45
Note: Includes connection to negative air system.		
02 89 00 00-0017	EA	5 Stage Portable Personnel Decontamination Wash Facility .....1,276.71
Note: Includes connection to negative air system.		
02 89 00 00-0018	EA	Portable Waste Decontamination Unit .....668.35
Note: Includes connection to negative air system.		
For Dismantling And Relocation To A Different Area, Add		437.81

02 90 Disaster Recovery (02)

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning and Disaster Clean-up (02 90)

02 90 50 00-0001	Non-Mold Contaminated Wet Material Removal (02 90 50)		
	Note: For materials not requiring mold abatement.		
02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Disaster Clean-up	27.16
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Disaster Clean-up.....	6.61
02 90 50 00-0004	SF	Wet Batt Insulation Removal For Disaster Clean-up.....	0.55
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Disaster Clean-up.....	0.66
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Disaster Clean-up.....	0.64
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	1.01
02 90 50 00-0008	Cleaning (02 90 50)		
	Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
02 90 50 00-0009	Clean Furnishings (02 90 50 00-0008)		
02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Disaster Clean-up.....	28.40
		For Medium Clean, Add	11.93
		For Heavy Clean, Add	36.92
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.58
		For Medium Clean, Add	0.66
		For Heavy Clean, Add	2.05

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0012	LF	Shelving, Light Clean For Disaster Clean-up	2.84	
		For Medium Clean, Add	1.19	
		For Heavy Clean, Add	3.69	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.20	
		For Medium Clean, Add	3.44	
		For Heavy Clean, Add	10.66	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	26.51	
		For Medium Clean, Add	11.13	
		For Heavy Clean, Add	34.46	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up	163.47	
		For Medium Clean, Add	68.66	
		For Heavy Clean, Add	212.51	
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up	33.45	
		For Medium Clean, Add	14.05	
		For Heavy Clean, Add	43.49	
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up	31.56	
		For Medium Clean, Add	13.26	
		For Heavy Clean, Add	41.03	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up	6.92	
		For Medium Clean, Add	2.91	
		For Heavy Clean, Add	9.00	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up	8.85	
		For Medium Clean, Add	3.72	
		For Heavy Clean, Add	11.51	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.26	
		For Medium Clean, Add	3.05	
		For Heavy Clean, Add	9.44	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.20	
		For Medium Clean, Add	5.96	
		For Heavy Clean, Add	18.46	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.26	
		For Medium Clean, Add	3.05	
		For Heavy Clean, Add	9.44	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	12.62	
		For Medium Clean, Add	5.30	
		For Heavy Clean, Add	16.41	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.03	
		For Medium Clean, Add	1.27	
		For Heavy Clean, Add	3.94	
02 90 50 00-0025 Clean Hard Surfaces (02 90 50 00-0008)				
02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.41	
		For Medium Clean, Add	0.17	
		For Heavy Clean, Add	0.53	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.37	
		For Medium Clean, Add	2.26	
		For Heavy Clean, Add	6.98	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.08	
		For Medium Clean, Add	2.55	
		For Heavy Clean, Add	7.90	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up	0.43	
		For Medium Clean, Add	0.18	
		For Heavy Clean, Add	0.56	
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	0.13	
		For Heavy Clean, Add	0.42	
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up	0.93	
		For Medium Clean, Add	0.39	
		For Heavy Clean, Add	1.21	
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up	0.83	
		For Medium Clean, Add	0.35	
		For Heavy Clean, Add	1.08	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up	0.45	
		For Medium Clean, Add	0.19	
		For Heavy Clean, Add	0.59	
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up	0.37	
		For Medium Clean, Add	0.16	
		For Heavy Clean, Add	0.48	
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up	0.38	
		For Medium Clean, Add	0.16	
		For Heavy Clean, Add	0.49	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up	0.29	
		For Medium Clean, Add	0.12	
		For Heavy Clean, Add	0.38	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	0.13	
		For Heavy Clean, Add	0.42	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.26	
		For Medium Clean, Add	0.11	
		For Heavy Clean, Add	0.34	
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up	0.19	
		For Medium Clean, Add	0.08	
		For Heavy Clean, Add	0.25	
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Disaster Clean-up	0.26	
		For Medium Clean, Add	0.11	
		For Heavy Clean, Add	0.34	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	66.57
		Note: Includes removal from site, cleaning, and return.	
		For Medium Clean, Add	27.96
		For Heavy Clean, Add	86.54
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	83.20
		Note: Includes removal from site, cleaning, and return.	
		For Medium Clean, Add	34.94
		For Heavy Clean, Add	108.16
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	99.84
		Note: Includes removal from site, cleaning, and return.	
		For Medium Clean, Add	41.93
		For Heavy Clean, Add	129.79
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	116.48
		For Medium Clean, Add	48.92
		For Heavy Clean, Add	151.42

02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)

02 90 50 00-0046	SF	Window Blind, Light Clean For Disaster Clean-up	0.73
		For Medium Clean, Add	0.31
		For Heavy Clean, Add	0.95
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.48
		For Medium Clean, Add	0.62
		For Heavy Clean, Add	1.92
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.71
		For Medium Clean, Add	0.72
		For Heavy Clean, Add	2.22
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.55
		For Medium Clean, Add	0.65
		For Heavy Clean, Add	2.02
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.78
		For Medium Clean, Add	0.75
		For Heavy Clean, Add	2.31
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.90
		For Medium Clean, Add	0.80
		For Heavy Clean, Add	2.47
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	2.19
		For Medium Clean, Add	0.92
		For Heavy Clean, Add	2.85

02 90 50 00-0053 Clean Appliances (02 90 50 00-0008)

02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean For Disaster Clean-up	13.08
		For Medium Clean, Add	5.49
		For Heavy Clean, Add	17.00
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean For Disaster Clean-up.....	30.81
		For Medium Clean, Add	12.94
		For Heavy Clean, Add	40.05
02 90 50 00-0056	EA	Range, Outside, Light Clean For Disaster Clean-up.....	26.63
		For Medium Clean, Add	11.18
		For Heavy Clean, Add	34.62

02 90 50 00-0057 Clean Plumbing (02 90 50 00-0008)

02 90 50 00-0058	EA	Water Heater, Light Clean For Disaster Clean-up	18.94
		For Medium Clean, Add	7.95
		For Heavy Clean, Add	24.62
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean For Disaster Clean-up	19.12
		For Medium Clean, Add	8.03
		For Heavy Clean, Add	24.86
02 90 50 00-0060	EA	Restroom Accessory, Light Clean For Disaster Clean-up.....	8.78
		For Medium Clean, Add	3.69
		For Heavy Clean, Add	11.41

02 90 50 00-0061 Clean HVAC (02 90 50 00-0008)

02 90 50 00-0062	LF	Baseboard Heater, Light Clean For Disaster Clean-up.....	5.66
		For Medium Clean, Add	2.38
		For Heavy Clean, Add	7.36
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up	15.78
		For Medium Clean, Add	6.63
		For Heavy Clean, Add	20.51
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up	60.59
		For Medium Clean, Add	25.45
		For Heavy Clean, Add	78.77
02 90 50 00-0065	EA	Grille/Register, Light Clean For Disaster Clean-up	5.68
		For Medium Clean, Add	2.39
		For Heavy Clean, Add	7.38
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up	39.34
		For Medium Clean, Add	16.52
		For Heavy Clean, Add	51.14
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean For Disaster Clean-up	35.03
		For Medium Clean, Add	14.71
		For Heavy Clean, Add	45.54

02 90 50 00-0068 Clean Electrical (02 90 50 00-0008)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
02 90 50 00-0069	EA		Electric Fan, Light Clean For Disaster Clean-up.....	23.36	
			For Medium Clean, Add	9.81	
			For Heavy Clean, Add	30.37	
02 90 50 00-0070	EA		Ceiling Fan, Light Clean For Disaster Clean-up	25.25	
			For Medium Clean, Add	10.61	
			For Heavy Clean, Add	32.83	
02 90 50 00-0071	EA		Ceiling Fan And Light, Light Clean For Disaster Clean-up	32.82	
			For Medium Clean, Add	13.78	
			For Heavy Clean, Add	42.67	
02 90 50 00-0072	EA		Ceiling Exhaust Fan, Light Clean For Disaster Clean-up.....	23.04	
			For Medium Clean, Add	9.68	
			For Heavy Clean, Add	29.95	
02 90 50 00-0073	EA		2' x 4' Light Fixture, Light Clean For Disaster Clean-up.....	15.15	
			For Medium Clean, Add	6.36	
			For Heavy Clean, Add	19.70	
02 90 50 00-0074	EA		Light Fixture, Light Clean For Disaster Clean-up.....	6.94	
			For Medium Clean, Add	2.91	
			For Heavy Clean, Add	9.02	
02 90 50 00-0075	EA		Smoke Detector, Light Clean For Disaster Clean-up.....	5.37	
			For Medium Clean, Add	2.26	
			For Heavy Clean, Add	6.98	
02 90 50 00-0076	EA		Thermostat, Light Clean For Disaster Clean-up	1.89	
			For Medium Clean, Add	0.79	
			For Heavy Clean, Add	2.46	
02 90 50 00-0077			Thermal Fog (02 90 50 00-0008)		
02 90 50 00-0078	CF		Clean And Deodorize Building With Thermal Fog For Disaster Clean-up.....	0.02	
02 90 50 00-0079			Contents Manipulation (02 90 50)		
02 90 50 00-0080	SF		Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up.....	0.25	
02 90 50 00-0081	SF		Floor Protection, Adhesive Film For Disaster Clean-up.....	0.30	
02 90 50 00-0082	SF		Move Contents Out And Later Reset For Disaster Clean-up	0.50	
02 90 50 00-0083	MO		20' Long Job Site Storage Trailer For Disaster Clean-up.....	151.93	
02 90 50 00-0084	MO		40' Long Job Site Storage Trailer For Disaster Clean-up.....	201.49	
02 90 50 00-0085	EA		Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up.....	146.80	
02 90 50 00-0086			Water Disaster Clean-up (02 90 50)		
02 90 50 00-0087	LF		Detach Baseboard For Disaster Clean-up	0.68	
02 90 50 00-0088	LF		Detach And Later Reset Baseboard For Disaster Clean-up	1.22	
02 90 50 00-0089	EA		Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up.....	4.49	
02 90 50 00-0090	SF		Water Extraction From Floor For Disaster Clean-up.....	0.47	
02 90 50 00-0091	SF		Gray Water Extraction From Floor For Disaster Clean-up	0.75	
02 90 50 00-0092	SF		Black Water Extraction From Floor For Disaster Clean-up	1.19	
02 90 50 00-0093	SF		Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up	0.37	
02 90 50 00-0094	SF		Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up	0.44	
02 90 50 00-0095	SF		Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up	0.66	
02 90 50 00-0096	SF		Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.97	
02 90 50 00-0097	SF		Tear Out Vinyl Flooring For Disaster Clean-up	0.92	
02 90 50 00-0098	SF		Tear Out Vinyl Flooring, Black Water For Disaster Clean-up.....	1.34	
02 90 50 00-0099	SF		Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.48	
02 90 50 00-0100	SF		Tear Out Laminated Wood Flooring For Disaster Clean-up.....	1.71	
02 90 50 00-0101	SF		Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.51	
02 90 50 00-0102	SF		Tear Out Wet Ceiling Tile For Disaster Clean-up.....	0.28	
02 90 50 00-0103	SF		Tear Out Batt Insulation For Disaster Clean-up.....	0.28	
02 90 50 00-0104	SF		Tear Out Wet Gypsum Board For Disaster Clean-up	0.48	
02 90 50 00-0105	SF		Apply Anti-microbial Agent For Disaster Clean-up.....	0.29	
02 90 50 00-0106	SF		High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up.....	0.36	
02 90 50 00-0107			Board Up And Tarp Up (02 90 50)		
02 90 50 00-0108	SF		Polyethylene Tarp On Roof For Disaster Clean-up.....	0.24	
02 90 50 00-0109	SF		1/2" Temporary Plywood On Roof For Disaster Clean-up	1.52	
02 90 50 00-0110	SF		5/8" Temporary Plywood On Roof For Disaster Clean-up	1.72	
02 90 50 00-0111	SF		3/4" Temporary Plywood On Roof For Disaster Clean-up	1.87	
02 90 50 00-0112	SF		1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	1.90	
02 90 50 00-0113	SF		5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.10	
02 90 50 00-0114	SF		3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.25	
02 90 50 00-0115			Minimum Charges (02 90 50)		
02 90 50 00-0116	EA		Disaster Cleaning Minimum Charge	1,447.55	
02 90 50 00-0117	EA		Disaster Water Extraction Minimum Charge	279.05	
02 90 50 00-0118	EA		Disaster Carpet Cleaning Minimum Charge	195.62	
02 90 50 00-0119			Document Restoration (02 90 50)		
02 90 50 00-0120	EA		Book Rebinding, Each For Document Restoration	101.02	
02 90 50 00-0121	EA		Book Recasing, Each For Document Restoration.....	50.50	
02 90 50 00-0122	EA		Boxes-MCS, 1.2 CF For Document Restoration	9.41	
02 90 50 00-0123	EA		Boxes-MCS, 2.0 CF For Document Restoration	10.38	
02 90 50 00-0124	EA		Boxes Bankers For Document Restoration.....	16.14	
02 90 50 00-0125	EA		Boxes Standard Packout For Document Restoration	6.02	

02 Existing Conditions**02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

02 90 50 00-0126	EA	Boxes X Ray For Document Restoration	10.11
02 90 50 00-0127	EA	CD Scanning and Diagnostics, Each For Document Restoration	10.11
02 90 50 00-0128	EA	Cleaning Antique Books, Each For Document Restoration.....	303.05
02 90 50 00-0129	EA	Cleaning Catheter Roll, Per Roll For Document Restoration	40.40
02 90 50 00-0130	EA	Cleaning CD And DVD, Per Disc For Document Restoration	4.06
02 90 50 00-0131	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.21
02 90 50 00-0132	CF	Cleaning Level 1 - Document Per CF For Document Restoration	130.36
02 90 50 00-0133	EA	Cleaning Level 1 - Linen, Each For Document Restoration	4.21
02 90 50 00-0134	EA	Cleaning Level 1 - Mylar, Each For Document Restoration	4.21
02 90 50 00-0135	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration	5.23
02 90 50 00-0136	CF	Cleaning Level 2 - Document Per CF For Document Restoration	195.37
02 90 50 00-0137	EA	Cleaning Level 2 - Linen, Each For Document Restoration	5.23
02 90 50 00-0138	EA	Cleaning Level 2 - Mylar, Each For Document Restoration	5.23
02 90 50 00-0139	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration	7.41
02 90 50 00-0140	CF	Cleaning Level 3 - Document Per CF For Document Restoration	260.68
02 90 50 00-0141	EA	Cleaning Level 3 - Linen, Each For Document Restoration	7.41
02 90 50 00-0142	EA	Cleaning Level 3 - Mylar, Each For Document Restoration	7.41
02 90 50 00-0143	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.39
02 90 50 00-0144	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	10.39
02 90 50 00-0145	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	10.39
02 90 50 00-0146	CF	Cleaning Level 4 - Light Fire-Documet Per CF For Document Restoration	325.79
02 90 50 00-0147	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration	11.52
02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Documet Per CF For Document Restoration.....	488.83
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.52
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	11.52
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration	4.09
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration	0.95
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	101.02
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	141.44
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration	4.09
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration	0.95
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration	4.06
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	10.11
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	40.40
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration.....	5.58
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration	4.76
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration	3.74
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration	0.54
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration	1.09
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration	7.03
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration	14.17
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration	54.65
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration	14.91
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration	181.83
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration	141.44
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration	121.22
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration	161.63
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration	303.05
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration	185.91
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration	40.40
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration	5.05
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration	10.11
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration.....	135.56
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration.....	116.19
02 90 50 00-0180	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration	3,195.22
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	29.05
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration.....	1,345.87
02 90 50 00-0183	EA	Monthly Storage For Document Restoration	225.04
02 90 50 00-0184	EA	Mylar Prints For Document Restoration	10.11
02 90 50 00-0185	CF	Ozoning For Document Restoration	6.32
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.70
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.10
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration.....	32.51

02 90 55 Emergency Clean-up (02 90)**02 90 55 00-0001 Emergency Clean-up (02 90 55)**

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0002 Emergency Clean-up Labor (02 90 55 00-0001)

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Clean Up.....	62.16
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Clean Up.....	43.51
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Clean Up.....	59.83
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Clean Up.....	97.90
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Clean Up.....	81.58
02 90 55 00-0008	HR	Senior Project Manager For Emergency Clean Up	114.22
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Clean Up	163.17
02 90 55 00-0010	HR	Equipment Technician For Emergency Clean Up	119.66
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Clean Up	59.57
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Clean Up.....	81.58
02 90 55 00-0013	HR	Administrative Personnel For Emergency Clean Up	38.07

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0014	HR	Project Accountant For Emergency Clean Up	62.16	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Clean Up	86.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Clean Up	103.86	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Clean Up	93.24	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Clean Up	67.34	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Clean Up	65.27	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Clean Up	53.87	
02 90 55 00-0021	HR	Mobilization Support For Emergency Clean Up	33.15	
02 90 55 00-0022		Emergency Clean-up Equipment (02 90 55 00-0001)		
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.				
02 90 55 00-0023		General Emergency Clean-up Equipment (02 90 55 00-0022)		
02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	102.87	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	392.43	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,074.42	
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	39.42	
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	88.86	
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	245.29	
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	61.32	
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	156.44	
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	369.19	
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	337.90	
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	907.34	
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,528.03	
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	763.42	
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	2,014.92	
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	5,431.51	
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	71.73	
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	203.78	
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	700.99	
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	66.84	
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	179.32	
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	464.61	
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	106.94	
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	305.17	
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	852.92	
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	994.41	
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	2,983.22	
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	8,949.65	
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up	78.25	
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up	176.06	
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up	469.50	
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up	97.81	
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up	220.08	
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up	586.87	
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	73.36	
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	104.33	
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	285.28	
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	798.80	
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	127.16	
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	432.00	
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	823.25	
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	118.21	
02 90 55 00-0065	WK	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	325.08	
02 90 55 00-0066	MO	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	886.59	
02 90 55 00-0067	DAY	Extension Cords - 220 Volt For Emergency Clean-up	40.76	
02 90 55 00-0068	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	24.45	
02 90 55 00-0069	DAY	Demolition Cart, 1 Yard For Emergency Clean-up	65.21	
02 90 55 00-0070	WK	Demolition Cart, 1 Yard For Emergency Clean-up	179.32	
02 90 55 00-0071	MO	Demolition Cart, 1 Yard For Emergency Clean-up	489.06	
02 90 55 00-0072	DAY	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	81.51	
02 90 55 00-0073	WK	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	224.15	
02 90 55 00-0074	MO	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	611.32	
02 90 55 00-0075	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	122.26	
02 90 55 00-0076	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,752.59	
02 90 55 00-0077	DAY	Fogger - Mist For Emergency Clean-up	34.77	
02 90 55 00-0078	WK	Fogger - Mist For Emergency Clean-up	95.61	
02 90 55 00-0079	MO	Fogger - Mist For Emergency Clean-up	260.76	
02 90 55 00-0080	DAY	Fogger - Electric Thermal For Emergency Clean-up	50.07	
02 90 55 00-0081	WK	Fogger - Electric Thermal For Emergency Clean-up	137.68	
02 90 55 00-0082	MO	Fogger - Electric Thermal For Emergency Clean-up	375.50	
02 90 55 00-0083	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	196.82	
02 90 55 00-0084	WK	Fogger - Gas Power Thermal For Emergency Clean-up	541.27	
02 90 55 00-0085	MO	Fogger - Gas Power Thermal For Emergency Clean-up	1,476.18	
02 90 55 00-0086	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	165.56	
02 90 55 00-0087	WK	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	455.30	
02 90 55 00-0088	MO	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,241.72	
02 90 55 00-0089	DAY	Hand Trucks/Dollies For Emergency Clean-up	19.56	
02 90 55 00-0090	WK	Hand Trucks/Dollies For Emergency Clean-up	53.80	
02 90 55 00-0091	MO	Hand Trucks/Dollies For Emergency Clean-up	146.72	
02 90 55 00-0092	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	135.02	
02 90 55 00-0093	WK	Heat Gun - Shrinkwrap For Emergency Clean-up	371.31	
02 90 55 00-0094	MO	Heat Gun - Shrinkwrap For Emergency Clean-up	1,012.67	

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 55 00-0095	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up.....	145.70
		Note: Includes all filters.	
02 90 55 00-0096	DAY	Ladder For Emergency Clean-up.....	27.71
02 90 55 00-0097	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	25.03
02 90 55 00-0098	DAY	Lights - Wobble For Emergency Clean-up.....	30.60
02 90 55 00-0099	DAY	Moisture Meter For Emergency Clean-up	41.72
02 90 55 00-0100	WK	Moisture Meter For Emergency Clean-up	114.73
02 90 55 00-0101	MO	Moisture Meter For Emergency Clean-up	312.91
02 90 55 00-0102	DAY	Nail Gun For Emergency Clean-up.....	73.36
02 90 55 00-0103	WK	Nail Gun For Emergency Clean-up.....	201.74
02 90 55 00-0104	MO	Nail Gun For Emergency Clean-up.....	550.19
02 90 55 00-0105	DAY	Ozone Generator For Emergency Clean-up	173.84
02 90 55 00-0106	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	97.81
02 90 55 00-0107	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	139.07
02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up.....	208.61
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up.....	139.07
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up	105.96
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up.....	40.76
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up.....	1,739.09
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up.....	13.04
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up.....	35.86
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up.....	97.81
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	88.10
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	259.20
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	887.19
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	173.71
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	409.47
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,141.56
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	186.12
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	465.31
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,253.23
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up.....	4.69
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up.....	34.77
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	250.24
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	124.22
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up.....	202.53
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up	273.37
		Note: Includes Mileage	
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up.....	269.14
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up.....	224.14
		Note: Includes Mileage	
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	1,010.87
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	34.77
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	95.61
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	260.76
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	118.21
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	325.08
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	886.59
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up	29.70
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up.....	81.69
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up.....	222.79
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	50.54
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	125.53
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	301.59
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	50.54
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	125.53
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	317.89
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	115.74
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	309.74
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	864.01
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	34.77
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	95.61
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	260.76
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up	102.70
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up	205.41
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up	410.81
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up	205.41
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up	410.81
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up	821.62
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up	257.57
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up	515.14
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up	1,030.29
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up	342.34
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up	684.68
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up	1,369.37
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up	391.25
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up	782.50
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up	1,564.99
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up	456.46
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up	912.91
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up	1,825.82
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up.....	246.49
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up.....	677.84
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up.....	1,848.65
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up.....	74.86
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up.....	205.86

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up.....	561.44	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up	40.67	
02 90 55 00-0180 Technical/Electronics Restoration Equipment (02 90 55 00-0022)				
02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up	40.76	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up	112.08	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up	305.66	
02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up	785.83	
02 90 55 00-0185	WK	Convection Oven - Large For Emergency Clean-up	2,161.04	
02 90 55 00-0186	MO	Convection Oven - Large For Emergency Clean-up	5,893.73	
02 90 55 00-0187	DAY	Convection Oven - Small For Emergency Clean-up	146.72	
02 90 55 00-0188	WK	Convection Oven - Small For Emergency Clean-up	403.47	
02 90 55 00-0189	MO	Convection Oven - Small For Emergency Clean-up	1,100.38	
02 90 55 00-0190	DAY	Convection Oven - Vacuum For Emergency Clean-up.....	1,121.59	
02 90 55 00-0191	WK	Convection Oven - Vacuum For Emergency Clean-up.....	3,084.36	
02 90 55 00-0192	MO	Convection Oven - Vacuum For Emergency Clean-up.....	8,411.90	
02 90 55 00-0193	DAY	Decontamination Booth For Emergency Clean-up.....	927.15	
02 90 55 00-0194	WK	Decontamination Booth For Emergency Clean-up.....	2,549.67	
02 90 55 00-0195	MO	Decontamination Booth For Emergency Clean-up.....	6,953.66	
02 90 55 00-0196	DAY	DI Water System For Emergency Clean-up.....	72.01	
02 90 55 00-0197	WK	DI Water System For Emergency Clean-up.....	198.03	
02 90 55 00-0198	MO	DI Water System For Emergency Clean-up.....	540.09	
02 90 55 00-0199	DAY	ESD Bench Workstation For Emergency Clean-up	44.11	
02 90 55 00-0200	WK	ESD Bench Workstation For Emergency Clean-up	121.30	
02 90 55 00-0201	MO	ESD Bench Workstation For Emergency Clean-up	330.81	
02 90 55 00-0202	DAY	Heater/Enclosure Control System For Emergency Clean-up	24.45	
02 90 55 00-0203	WK	Heater/Enclosure Control System For Emergency Clean-up	67.25	
02 90 55 00-0204	MO	Heater/Enclosure Control System For Emergency Clean-up	183.40	
02 90 55 00-0205	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	113.42	
02 90 55 00-0206	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	311.90	
02 90 55 00-0207	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	850.64	
02 90 55 00-0208	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	366.80	
02 90 55 00-0209	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,008.69	
02 90 55 00-0210	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,750.96	
02 90 55 00-0211	DAY	Mobile Laboratory For Emergency Clean-up	1,018.88	
02 90 55 00-0212	WK	Mobile Laboratory For Emergency Clean-up	2,801.91	
02 90 55 00-0213	MO	Mobile Laboratory For Emergency Clean-up	7,641.56	
02 90 55 00-0214	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	19.56	
02 90 55 00-0215	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	53.80	
02 90 55 00-0216	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	146.72	
02 90 55 00-0217	DAY	Odell Cleaning Station For Emergency Clean-up	570.57	
02 90 55 00-0218	WK	Odell Cleaning Station For Emergency Clean-up	1,569.07	
02 90 55 00-0219	MO	Odell Cleaning Station For Emergency Clean-up	4,279.28	
02 90 55 00-0220	DAY	Parts Washer For Emergency Clean-up	40.76	
02 90 55 00-0221	WK	Parts Washer For Emergency Clean-up	112.08	
02 90 55 00-0222	MO	Parts Washer For Emergency Clean-up	305.66	
02 90 55 00-0223	DAY	Ultrasonic Cleaning System For Emergency Clean-up.....	337.56	
02 90 55 00-0224	WK	Ultrasonic Cleaning System For Emergency Clean-up.....	928.28	
02 90 55 00-0225	MO	Ultrasonic Cleaning System For Emergency Clean-up.....	2,531.67	
02 90 55 00-0226	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	160.68	
02 90 55 00-0227	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	441.86	
02 90 55 00-0228	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,205.08	
02 90 55 00-0229 Drying/Dehumidification Equipment (02 90 55 00-0022)				
02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	173.84	
		Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	478.06	
		Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	1,303.80	
		Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.		
02 90 55 00-0233	DAY	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	59.36	
02 90 55 00-0234	WK	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	163.24	
02 90 55 00-0235	MO	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	445.20	
02 90 55 00-0236	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	98.93	
02 90 55 00-0237	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	272.07	
02 90 55 00-0238	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	742.00	
02 90 55 00-0239	DAY	Injectidry System For Emergency Clean-up	215.56	
02 90 55 00-0240	WK	Injectidry System For Emergency Clean-up	592.80	
02 90 55 00-0241	MO	Injectidry System For Emergency Clean-up	1,616.72	
02 90 55 00-0242	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	139.07	
02 90 55 00-0243	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	382.45	
02 90 55 00-0244	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,043.04	
02 90 55 00-0245	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	165.56	
02 90 55 00-0246	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	455.30	
02 90 55 00-0247	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,241.72	
02 90 55 00-0248	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	192.05	
02 90 55 00-0249	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	528.14	
02 90 55 00-0250	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,440.39	
02 90 55 00-0251	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	205.30	
02 90 55 00-0252	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	564.57	
02 90 55 00-0253	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73	
02 90 55 00-0254	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	205.30	
02 90 55 00-0255	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	564.57	

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 55 00-0256	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73
02 90 55 00-0257	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	231.79
02 90 55 00-0258	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	637.42
02 90 55 00-0259	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	1,738.41
02 90 55 00-0260	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	486.75
02 90 55 00-0261	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,338.57
02 90 55 00-0262	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	3,650.65
02 90 55 00-0263	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	834.44
02 90 55 00-0264	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	2,294.70
02 90 55 00-0265	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	6,258.26
02 90 55 00-0266	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,284.76
02 90 55 00-0267	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	3,533.10
02 90 55 00-0268	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	9,635.74
02 90 55 00-0269	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,284.76
02 90 55 00-0270	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	3,533.10
02 90 55 00-0271	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	9,635.74
02 90 55 00-0272	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,341.72
02 90 55 00-0273	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,689.73
02 90 55 00-0274	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	10,062.89
02 90 55 00-0275	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,668.87
02 90 55 00-0276	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	4,589.39
02 90 55 00-0277	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	12,516.52
02 90 55 00-0278	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,877.48
02 90 55 00-0279	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	5,163.07
02 90 55 00-0280	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	14,081.09
02 90 55 00-0281	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,016.55
02 90 55 00-0282	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	5,545.52
02 90 55 00-0283	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	15,124.13
02 90 55 00-0284	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,649.00
02 90 55 00-0285	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	7,284.75
02 90 55 00-0286	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	19,867.50
02 90 55 00-0287	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,781.45
02 90 55 00-0288	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	7,648.99
02 90 55 00-0289	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	20,860.88
02 90 55 00-0290	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	660.83
02 90 55 00-0291	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,817.28
02 90 55 00-0292	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,956.23
02 90 55 00-0293	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	915.00
02 90 55 00-0294	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,516.24
02 90 55 00-0295	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,862.47
02 90 55 00-0296	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	834.44
02 90 55 00-0297	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,294.70
02 90 55 00-0298	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,258.26
02 90 55 00-0299	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,112.58
02 90 55 00-0300	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,059.60
02 90 55 00-0301	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,344.35
02 90 55 00-0302	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,877.48
02 90 55 00-0303	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,163.07
02 90 55 00-0304	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	14,081.09
02 90 55 00-0305	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,086.09
02 90 55 00-0306	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,736.74
02 90 55 00-0307	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	15,645.66
02 90 55 00-0308	DAY	25' Flex Duct For Emergency Clean-up	27.81
02 90 55 00-0309	WK	25' Flex Duct For Emergency Clean-up	76.49
02 90 55 00-0310	MO	25' Flex Duct For Emergency Clean-up	208.61
02 90 55 00-0311	DAY	Hygrothermograph For Emergency Clean-up	40.76
02 90 55 00-0312	WK	Hygrothermograph For Emergency Clean-up	112.08
02 90 55 00-0313	MO	Hygrothermograph For Emergency Clean-up	305.66
02 90 55 00-0314	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	9,567.86
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.			
02 90 55 00-0315	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	26,311.62
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.			
02 90 55 00-0316	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	71,758.97
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.			

02 90 55 00-0317 Power Equipment (02 90 55 00-0022)

02 90 55 00-0318	WK	Up to 65 KVA Generator For Emergency Clean-up	1,258.72
02 90 55 00-0319	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,130.15
02 90 55 00-0320	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,077.59
02 90 55 00-0321	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,582.52
02 90 55 00-0322	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,841.25
02 90 55 00-0323	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,289.80
02 90 55 00-0324	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,455.52
02 90 55 00-0325	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	9,972.98
02 90 55 00-0326	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	15,007.88
02 90 55 00-0327	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	32.53
02 90 55 00-0328	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	155.89
02 90 55 00-0329	EA	Electrical Distribution Panel For Emergency Clean-up	337.56
02 90 55 00-0330	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	58.58
02 90 55 00-0331	EA	50' Power Cord For Spider Box For Emergency Clean-up	54.22
02 90 55 00-0332	EA	Pig Tails (Per Each) For Emergency Clean-up	4.08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 90 55 00-0333	Freight Charges (02 90 55 00-0022)	
02 90 55 00-0334 MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.04
02 90 55 00-0335 MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.67
02 90 55 00-0336 MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.67
02 90 55 00-0337 MI	Freight Tractor Trailer For Emergency Clean-up Equipment	5.30

02 90 55 00-0338	Emergency Clean-up Personal Protection Equipment (02 90 55 00-0001)	
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0339 EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	11.51
02 90 55 00-0340 EA	Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.08
02 90 55 00-0341 EA	Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.76
02 90 55 00-0342 EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	18.61
02 90 55 00-0343 EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	129.50
02 90 55 00-0344 EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.04
02 90 55 00-0345 EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	5.89
02 90 55 00-0346 PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54
02 90 55 00-0347 EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	31.64
02 90 55 00-0348 PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54
02 90 55 00-0349 EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	40.21
02 90 55 00-0350 BOX	Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment	44.83
02 90 55 00-0351 PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.05
02 90 55 00-0352 BOX	5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	20.86
02 90 55 00-0353 PR	4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.44
02 90 55 00-0354 PR	5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment	0.37
02 90 55 00-0355 PR	17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	1.76
02 90 55 00-0356 PR	15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	4.19
02 90 55 00-0357 PR	Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	5.74
02 90 55 00-0358 PR	30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	6.43
02 90 55 00-0359 PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	10.44
02 90 55 00-0360 EA	Heavy-Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	17.81
02 90 55 00-0361 PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	12.06
02 90 55 00-0362 PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	19.89
02 90 55 00-0363 PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	5.28
02 90 55 00-0364 EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	6.95

02 90 55 00-0365	Emergency Clean-up Expendables (02 90 55 00-0001)	
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0366	General Materials (02 90 55 00-0365)	
02 90 55 00-0367 GAL	Adhesive Remover For Emergency Clean-up	83.44
02 90 55 00-0368 GAL	Bioside-HS Cleaning Solution For Emergency Clean-up	27.79
02 90 55 00-0369 GAL	Biocide Mold Cleaning Solution For Emergency Clean-up	35.46
02 90 55 00-0370 EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.40
02 90 55 00-0371 EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.68
02 90 55 00-0372 EA	10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	6.68
02 90 55 00-0373 GAL	Bleach For Emergency Clean-up	8.97
02 90 55 00-0374 EA	Small Stainless Brush For Emergency Clean-up	7.20
02 90 55 00-0375 EA	2-1/2 Gallon Buckets For Emergency Clean-up	6.89
02 90 55 00-0376 EA	5 Gallon Bucket For Emergency Clean-up	10.43
02 90 55 00-0377 GAL	Carpet Defoamer For Emergency Clean-up	26.84
02 90 55 00-0378 GAL	Carpet Pre-treat For Emergency Clean-up	26.64
02 90 55 00-0379 GAL	Carpet Spotter For Emergency Clean-up	44.65
02 90 55 00-0380 GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	36.01
02 90 55 00-0381 ROL	Carpet Masking/Shield For Emergency Clean-up	111.47
02 90 55 00-0382 EA	Chemical Sponge For Emergency Clean-up	3.28
02 90 55 00-0383 GAL	Clear Seal For Emergency Clean-up	112.19
02 90 55 00-0384 GAL	Coil Cleaner For Emergency Clean-up	76.74
02 90 55 00-0385 EA	Decontamination Chamber For Emergency Clean-up	333.47
02 90 55 00-0386 GAL	All Purpose Degreaser For Emergency Clean-up	36.72
02 90 55 00-0387 GAL	De-Foamer Liquid For Emergency Clean-up	48.25
02 90 55 00-0388 EA	Deodorization Membrane For Emergency Clean-up	93.46
02 90 55 00-0389 GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	144.24
02 90 55 00-0390 LB	Deodorizing Gel For Emergency Clean-up	33.89
02 90 55 00-0391 GAL	Deodorizing Liquid For Emergency Clean-up	49.56
02 90 55 00-0392 PAIL	Deodorizing Block For Emergency Clean-up	8.52
02 90 55 00-0393 GAL	Disinfectant/Anti-microbial For Emergency Clean-up	87.93
02 90 55 00-0394 GAL	BruClean Disinfectant For Emergency Clean-up	39.04
02 90 55 00-0395 GAL	Dryclean For Emergency Clean-up	38.94
02 90 55 00-0396 GAL	Duct Sealant Spray For Emergency Clean-up	58.69
02 90 55 00-0397 GAL	Antifungal Duct Sealant For Emergency Clean-up	84.77
02 90 55 00-0398 GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	130.08
02 90 55 00-0399 PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.53
02 90 55 00-0400 GAL	Encapsulant For Emergency Clean-up	118.10
02 90 55 00-0401 GAL	Aftershock Fiberlocke For Emergency Clean-up	103.70
02 90 55 00-0402 GAL	IAQ 2500 Fiberlocke For Emergency Clean-up	100.66
02 90 55 00-0403 GAL	IAS 6000 Fiberlocke For Emergency Clean-up	103.52
02 90 55 00-0404 ROL	Filter Material For Emergency Clean-up	299.07

02 Existing Conditions**02 90 Disaster Recovery****02 90 55 Emergency Clean-up**

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 90 55 00-0405	EA	Blue Paper Collection Bag Filter For Emergency Clean-up.....	8.06
02 90 55 00-0406	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	639.66
02 90 55 00-0407	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up.....	3.07
02 90 55 00-0408	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up.....	13.66
02 90 55 00-0409	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up.....	48.64
02 90 55 00-0410	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up.....	462.65
02 90 55 00-0411	EA	Pleated Dehumidifier Filter For Emergency Clean-up.....	12.21
02 90 55 00-0412	GAL	Floor Stripper For Emergency Clean-up.....	18.26
02 90 55 00-0413	GAL	Floor Wax For Emergency Clean-up.....	26.08
02 90 55 00-0414	GAL	Fogger (Thermal) For Emergency Clean-up.....	152.98
02 90 55 00-0415	BOX	Furniture Blocks For Emergency Clean-up.....	123.22
02 90 55 00-0416	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up.....	16.60
02 90 55 00-0417	GAL	Glass Cleaner For Emergency Clean-up.....	11.07
02 90 55 00-0418	EA	Goof Off Spray, 12 Oz For Emergency Clean-up.....	19.36
02 90 55 00-0419	EA	Halogen Light Bulbs For Emergency Clean-up.....	18.62
02 90 55 00-0420	QT	Hand Sanitizer For Emergency Clean-up.....	9.21
02 90 55 00-0421	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment.....	7.58
02 90 55 00-0422	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up.....	23.59
02 90 55 00-0423	GAL	HVAC Coal Cleaner For Emergency Clean-up.....	68.77
02 90 55 00-0424	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up.....	165.97
02 90 55 00-0425	EA	Utility Knives For Emergency Clean-up.....	14.35
02 90 55 00-0426	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	142.37
02 90 55 00-0427	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	150.30
02 90 55 00-0428	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	299.26
02 90 55 00-0429	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up.....	432.55
02 90 55 00-0430	GAL	Lemon Oil For Emergency Clean-up.....	44.50
02 90 55 00-0431	GAL	LPS 1/Mecca Lube For Emergency Clean-up.....	47.39
02 90 55 00-0432	GAL	LPS 2 For Emergency Clean-up.....	50.16
02 90 55 00-0433	GAL	LPS Contact Cleaner For Emergency Clean-up.....	49.92
02 90 55 00-0434	GAL	Light Lubricant Preserve For Emergency Clean-up.....	173.25
02 90 55 00-0435	GAL	Heavy Lubricant Preserver For Emergency Clean-up.....	26.08
02 90 55 00-0436	GAL	Machinery Cleaning Solvent For Emergency Clean-up.....	213.06
02 90 55 00-0437	GAL	Metal Polishing Paste For Emergency Clean-up.....	32.07
02 90 55 00-0438	GAL	MediClean® Disinfectant For Emergency Clean-up.....	52.71
02 90 55 00-0439	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up.....	64.70
02 90 55 00-0440	EA	Mop Heads For Emergency Clean-up.....	7.90
02 90 55 00-0441	EA	Nylon Scouring Pads For Emergency Clean-up.....	1.43
02 90 55 00-0442	GAL	Odor Neutralizer For Emergency Clean-up.....	44.65
02 90 55 00-0443	EA	Packing Paper, 25 Lb. Bundle For Emergency Clean-up.....	86.31
02 90 55 00-0444	EA	Paint Brushes For Emergency Clean-up.....	6.52
02 90 55 00-0445	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up.....	201.27
02 90 55 00-0446	EA	Putty Knives For Emergency Clean-up.....	5.91
02 90 55 00-0447	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up.....	43.92
02 90 55 00-0448	GAL	Reodorant For Emergency Clean-up.....	110.85
02 90 55 00-0449	GAL	Restoracide For Emergency Clean-up.....	52.00
02 90 55 00-0450	GAL	Rust Remover For Emergency Clean-up.....	77.88
02 90 55 00-0451	EA	Saltesmo Test Samples For Emergency Clean-up.....	7.24
02 90 55 00-0452	EA	Sand Bag For Emergency Clean-up.....	1.90
Note: Excludes sand material			
02 90 55 00-0453	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up.....	34.56
02 90 55 00-0454	EA	Small Scrub Brushes For Emergency Clean-up.....	16.56
02 90 55 00-0455	GAL	Clear Soot Sealant For Emergency Clean-up.....	90.32
02 90 55 00-0456	GAL	Pigmented Soot Sealant For Emergency Clean-up.....	243.58
02 90 55 00-0457	ROL	Shrinkwrap Plastic For Emergency Clean-up.....	56.07
02 90 55 00-0458	EA	Dry Sponges For Emergency Clean-up.....	5.76
02 90 55 00-0459	EA	Spray Adhesive, Per Can For Emergency Clean-up.....	5.85
02 90 55 00-0460	EA	Spray Bot./Trigger For Emergency Clean-up.....	5.03
02 90 55 00-0461	GAL	Stain Remover For Emergency Clean-up.....	40.33
02 90 55 00-0462	GAL	Stainless Steel Cleaner For Emergency Clean-up.....	11.02
02 90 55 00-0463	EA	Stainless Steel Polish, Per Can For Emergency Clean-up.....	14.46
02 90 55 00-0464	LB	Sweeping Compound For Emergency Clean-up.....	0.71
02 90 55 00-0465	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up.....	11.44
02 90 55 00-0466	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up.....	10.77
02 90 55 00-0467	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up.....	28.69
02 90 55 00-0468	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up.....	15.32
02 90 55 00-0469	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up.....	4.73
02 90 55 00-0470	LB	Terry Towels For Emergency Clean-up.....	6.72
02 90 55 00-0471	GAL	Thermal Fog For Emergency Clean-up.....	90.74
02 90 55 00-0472	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up.....	35.60
02 90 55 00-0473	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up.....	86.40
02 90 55 00-0474	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up.....	110.85
02 90 55 00-0475	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up.....	141.99
02 90 55 00-0476	EA	Trisodium Phosphate, 20 Lb. Pail For Emergency Clean-up.....	47.59
02 90 55 00-0477	EA	Backpack Vacuum Bags For Emergency Clean-up.....	1.60
02 90 55 00-0478	EA	Upright Vacuum Bags For Emergency Clean-up.....	2.14
02 90 55 00-0479	GAL	Vinyl And Leather Cleaner For Emergency Clean-up.....	36.01
02 90 55 00-0480	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up.....	46.12
02 90 55 00-0481	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up.....	125.24
02 90 55 00-0482	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up.....	170.89
02 90 55 00-0483	LB	Wipes, Cotton Cloth For Emergency Clean-up.....	4.84
02 90 55 00-0484	ROL	12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up.....	140.66
02 90 55 00-0485	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up.....	18.00
02 90 55 00-0486	EA	Zip Wall Zippers For Emergency Clean-up.....	21.35
02 90 55 00-0487	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll.....	34.77
Note: 3.3 gallon volume absorption capacity per roll			

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
02 90 55 00-0488	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100	52.17	
		Note: 26 OZ volume absorption capacity per pad		
02 90 55 00-0489	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100.....	54.96	
		Note: 33 OZ volume absorption capacity per pad		
02 90 55 00-0490	EA	Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100	89.74	
		Note: 45 OZ volume absorption capacity per pad		
02 90 55 00-0491	Technical/Electronics Restoration Materials (02 90 55 00-0365)			
02 90 55 00-0492	EA	Brush - Brass For Emergency Clean-up	4.89	
02 90 55 00-0493	EA	1" Brush, Natural Bristle For Emergency Clean-up.....	1.56	
02 90 55 00-0494	EA	1/2" Brush, Natural Bristle For Emergency Clean-up.....	1.30	
02 90 55 00-0495	EA	1/4" Brush, Natural Bristle For Emergency Clean-up.....	1.11	
02 90 55 00-0496	EA	Brush - Parts For Emergency Clean-up.....	6.78	
02 90 55 00-0497	EA	Brush - Plastic For Emergency Clean-up.....	3.52	
02 90 55 00-0498	EA	Brush - Wire Grout For Emergency Clean-up	9.45	
02 90 55 00-0499	EA	Brushing Tool For Emergency Clean-up.....	18.23	
02 90 55 00-0500	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.33	
02 90 55 00-0501	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up.....	0.39	
02 90 55 00-0502	EA	Contact Restorer, Per Can For Emergency Clean-up.....	29.65	
02 90 55 00-0503	EA	Contact Spray, Per Can For Emergency Clean-up	20.17	
02 90 55 00-0504	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.13	
02 90 55 00-0505	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	8.97	
02 90 55 00-0506	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	11.62	
02 90 55 00-0507	LB	Cotton Cleaning Cloths For Emergency Clean-up.....	18.34	
02 90 55 00-0508	EA	12" x 17" Dust Cloths For Emergency Clean-up.....	0.29	
02 90 55 00-0509	EA	24" x 24" Dust Cloths For Emergency Clean-up	0.80	
02 90 55 00-0510	EA	Deoxidizing Agent, Per Can For Emergency Clean-up.....	14.37	
02 90 55 00-0511	GAL	Electronic Grade Detergent For Emergency Clean-up	40.51	
02 90 55 00-0512	SHT	Inventory Labels For Emergency Clean-up	0.22	
02 90 55 00-0513	GAL	Isopropyl Alcohol For Emergency Clean-up	107.34	
02 90 55 00-0514	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	174.69	
02 90 55 00-0515	GAL	PC Board Detergent For Emergency Clean-up.....	83.75	
02 90 55 00-0516	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up.....	137.68	
02 90 55 00-0517	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	138.71	
02 90 55 00-0518	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	148.27	
02 90 55 00-0519	LB	Wipes, Lint Free Cloths For Emergency Clean-up.....	7.61	
02 90 55 00-0520	EA	Wire Marker Card For Emergency Clean-up.....	2.28	
02 90 55 00-0521	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.53	

END OF SECTION 02

02	02	Existing Conditions	
	02 90	Disaster Recovery	
	02 90 55	Emergency Clean-up	



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST

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		Concrete	03	CS
		Maintenance of Concrete	03 01	
		Maintenance of Cast-In-Place Concrete	03 01 30	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

03 Concrete

03 01 Maintenance of Concrete ⁽⁰³⁾

03 01 30 Maintenance of Cast-In-Place Concrete ^(03 01)

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

See CSI section 09 01 90 52-0002 for cleaning of concrete surfaces.

03 01 30 51-0001	Abrasive Blasting ^(03 01 30 51)		
	Note: Includes containment and clean-up of all material. Includes steel ball media.		
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot (Bead) Blasting.....	3.97	
	For Up To 100, Add	3.36	
	For >100 To 250, Add	0.84	
	For >250 To 500, Add	0.42	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000, Deduct	-0.17	
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot (Bead) Blasting.....	5.65	
	For Up To 100, Add	6.72	
	For >100 To 250, Add	1.68	
	For >250 To 500, Add	0.84	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000, Deduct	-0.34	

03 01 30 71 Rehabilitation of Cast-In-Place Concrete ^(03 01 30)

03 01 30 71-0001 Concrete Resurfacing/Repair ^(03 01 30 71)

See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002	Concrete Floor Resurfacing ^(03 01 30 71-0001)		
03 01 30 71-0003	SF 1/4" Interior Floor Self-leveling, Colored Cementitious Topping	5.29	
03 01 30 71-0004	SF 1/2" Interior Floor Self-leveling, Colored Cementitious Topping	7.24	
03 01 30 71-0005	SF 1" Interior Floor Self-leveling, Colored Cementitious Topping	13.44	

03 01 30 71-0006 Concrete Repair ^(03 01 30 71-0001)

03 01 30 71-0007 Decks Or Floors ^(03 01 30 71-0006)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0008	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar	7.25	
03 01 30 71-0009	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	23.03	
03 01 30 71-0010	SF Patch Decks Or Floors With White Aluminum Oxide Grit (Non-Slip Aggregate)	0.65	

03 01 30 71-0011 Verticals Or Overheads ^(03 01 30 71-0006)

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0012	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar	10.86	
03 01 30 71-0013	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	31.45	
03 01 30 71-0014	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar	35.44	
03 01 30 71-0015	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound	9.56	
03 01 30 71-0016	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound	16.90	
	Note: Rapid Set - WunderFixx		

03 01 30 71-0017 Circular Piers ^(03 01 30 71-0006)

03 01 30 71-0018	SF Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound	13.37	
03 01 30 71-0019	SF Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound	23.00	
	Note: Rapid Set - WunderFixx		

03 01 30 71-0020 Bridge Deck Treatment ^(03 01 30 71-0006)

03 01 30 71-0021	SF Sweep Bridge Deck	0.02	
03 01 30 71-0022	SF Clean Bridge Deck	0.02	
03 01 30 71-0023	SF Treat Bridge Deck With Methacrylate Resin Sealant	2.36	

03 01 30 71-0024 Concrete Finishes ^(03 01 30 71-0001)

03 01 30 71-0025 Concrete Patching ^(03 01 30 71-0024)

03 01 30 71-0026 Walls ^(03 01 30 71-0025)

03 01 30 71-0027	BAG Sika Top 111 Plus.....	182.40	
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar.		
	Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 Lb. of 3/8" pea gravel).		
	For Up To 10, Add	65.81	
	For >10 To 25, Add	39.49	
	For >25 To 50, Add	26.32	
	For >50 To 75, Add	13.16	
03 01 30 71-0028	BAG Sika Grout 212, 50 Lb. Bag	125.65	
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.		
	For Up To 10, Add	41.67	
	For >10 To 25, Add	25.00	
	For >25 To 50, Add	16.67	
	For >50 To 75, Add	8.33	

03 Concrete**03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 01 30 71-0029	EA	Sika Flex 1A, 10.3 Ounce Tube .....43.45 Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	
03 01 30 71-0030	BAG	Pea Gravel.....32.57	

03 01 30 71-0031 Spall Concrete Repair (03 01 30 71-0001)

Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.

03 01 30 71-0032	SF	Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces.....95.66 For Up To 100, Add 67.64 For >100 To 250, Add 33.82	
03 01 30 71-0033	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces.....111.15 For Up To 100, Add 75.15 For >100 To 250, Add 37.58	
03 01 30 71-0034	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces.....166.74 For Up To 100, Add 112.73 For >100 To 250, Add 56.37	
03 01 30 71-0035	SF	Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces.....217.31 For Up To 100, Add 146.55 For >100 To 250, Add 73.28	
03 01 30 71-0036	SF	Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces .....68.61 For Up To 100, Add 47.35 For >100 To 250, Add 23.67	
03 01 30 71-0037	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces .....81.09 For Up To 100, Add 52.61 For >100 To 250, Add 26.30	
03 01 30 71-0038	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces .....121.64 For Up To 100, Add 78.91 For >100 To 250, Add 39.45	
03 01 30 71-0039	SF	Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces .....158.69 For Up To 100, Add 102.59 For >100 To 250, Add 51.29	

03 01 30 71-0040 Concrete Cleaning (03 01 30 71-0001)

See CSI section 09 01 90 52-0002 for pressure washing concrete.

03 01 30 71-0041	SF	Up To 10 SF, Clean Calcite/Staining On Concrete With Brush.....22.53	
03 01 30 71-0042	SF	>10 To 100 SF, Clean Calcite/Staining On Concrete With Brush .....15.82	
03 01 30 71-0043	SF	>100 To 500 SF, Clean Calcite/Staining On Concrete With Brush .....11.11	
03 01 30 71-0044	SF	>500 To 1,000 SF, Clean Calcite/Staining On Concrete With Brush .....7.79	
03 01 30 71-0045	SF	>1,000 To 2,500 SF, Clean Calcite/Staining On Concrete With Brush .....5.49	
03 01 30 71-0046	SF	>2,500 SF, Clean Calcite/Staining On Concrete With Brush3.86	

03 01 30 71-0047 Crack Repair For Concrete (03 01 30 71-0001)**03 01 30 71-0048 Non-Structural Crack Repair For Concrete** (03 01 30 71-0047)**03 01 30 71-0049 Surface Applied, Non-Structural Crack Repair For Concrete** (03 01 30 71-0048)

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.

03 01 30 71-0050	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....6.67 For V-Grooving Crack With Grinder, Add 5.32	
03 01 30 71-0051	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....8.74 For V-Grooving Crack With Grinder, Add 5.20	
03 01 30 71-0052	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....6.81 For V-Grooving Crack With Grinder, Add 5.32	
03 01 30 71-0053	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....9.03 For V-Grooving Crack With Grinder, Add 5.20	
03 01 30 71-0054	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant) .....7.34 For V-Grooving Crack With Grinder, Add 5.32	
03 01 30 71-0055	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant) .....10.07 For V-Grooving Crack With Grinder, Add 5.20	
03 01 30 71-0056	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix) .....7.72 For V-Grooving Crack With Grinder, Add 5.32	
03 01 30 71-0057	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix) .....10.83 For V-Grooving Crack With Grinder, Add 5.20	

03 01 30 71-0058 Pressure Injected, Non-Structural Crack Repair For Concrete (03 01 30 71-0048)

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.

03 01 30 71-0059	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)30.75 For Cracks Accessible From Both Sides, Add 6.27	
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03 01 30 71-0060		Structural Crack Repair For Concrete (03 01 30 71-0047)			
03 01 30 71-0061		Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0060) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.			
03 01 30 71-0062	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	7.81		
		For V-Grooving Crack With Grinder, Add	5.32		
03 01 30 71-0063	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	11.03		
		For V-Grooving Crack With Grinder, Add	5.20		
03 01 30 71-0064	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	7.61		
		For V-Grooving Crack With Grinder, Add	5.32		
03 01 30 71-0065	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	10.62		
		For V-Grooving Crack With Grinder, Add	5.20		
03 01 30 71-0066	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	9.31		
		For V-Grooving Crack With Grinder, Add	5.32		
03 01 30 71-0067	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	14.02		
		For V-Grooving Crack With Grinder, Add	5.20		
03 01 30 71-0068		Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0060) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.			
03 01 30 71-0069	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	26.67		
		For Cracks Accessible From Both Sides, Add	6.27		
03 01 30 71-0070	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	26.46		
		For Cracks Accessible From Both Sides, Add	6.27		
03 01 30 71-0071		Carbon Fiber Strengthening System (03 01 30 71-0001) Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.			
03 01 30 71-0072	SF	Carbon Fiber Strengthening System For Concrete Beams, Per Layer.....	93.93		
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0073	SF	Carbon Fiber Strengthening System For Concrete Columns, Per Layer.....	83.02		
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0074	SF	Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer.....	76.88		
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0075	SF	Carbon Fiber Strengthening System For Concrete Walls, Per Layer.....	73.46		
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0076	SF	Carbon Fiber Strengthening System For Concrete Slab, Per Layer.....	68.69		
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.			
03 01 30 71-0077		Fiber Reinforced Polymer (FRP) Strengthening System (03 01 30 71-0001) Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.			
03 01 30 71-0078	SF	Composite Strengthening System - Exterior, Per Layer.....	61.10		
		Note: Includes composite fabric SCH fiber, SEH fiber, epoxy saturant, primer, filler for voids, anchors, finish. TYFO Fibwrap System by Fyfe Company			
		For Floor Surfaces, Deduct	-9.54		
03 01 30 71-0079	SF	Composite Strengthening Fire Resistant System - Interior, Per Layer.....	74.14		
		Note: Includes composite fabric SCH fiber, SEH fiber, epoxy saturant, primer, filler for voids, anchors, finish and fire coating. TYFO Fibwrap System by Fyfe Company			
		For Floor Surfaces, Deduct	-11.70		
03 01 30 72		Strengthening Of Cast-in-Place Concrete (03 01 30)			
03 01 30 72-0001		Concrete Surface Repairs (03 01 30 72)			
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas.....	0.41		

03 05 Common Work Results For Concrete (03)

03 05 13 Concrete Admixtures (03 05)

03 05 13 00-0001		Concrete Admixtures (03 05 13)			
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture.....	8.24		
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture.....	5.70		
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	8.87		
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	17.75		
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture.....	15.85		
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture.....	31.69		
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture.....	6.85		
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture.....	13.35		
03 05 13 00-0010	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture.....	9.51		
03 05 13 00-0011	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture.....	19.02		
03 05 13 00-0012	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture.....	6.34		

03 Concrete**03 05 Common Work Results For Concrete****03 05 13 Concrete Admixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 05 13 00-0013	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	15.21
03 05 13 00-0014	CY	1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	13.52
03 05 13 00-0015	CY	1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	20.28
03 05 13 00-0016	CY	25 Lb./CY Steel Fibers, Concrete Admixture	40.18
03 05 13 00-0017	CY	10% Microsilica (Silica Fume), Concrete Admixture	101.42
03 05 13 00-0018	CY	Corrosion Inhibiting Concrete Admixture	38.03
03 05 13 00-0019	CY	Winter Service Or Heat, Concrete Add	20.28
03 05 13 00-0020	CY	Chilled Water, Concrete Add	20.28
03 05 13 00-0021	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	39.57
03 05 13 00-0022	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	65.94
03 05 13 00-0023	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	126.61
03 05 13 00-0024	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture.....	175.85
03 05 13 00-0025	CY	XYPEX Concrete Additive C-500, C-1000 or C-2000	70.43

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

Note: Per square foot of formwork.

03 11 13 00-0001		Wood Formwork (03 11 13)	
Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.			
03 11 13 00-0002		Foundation Wood Formwork (03 11 13 00-0001)	
Note: For foundation work below or at grade.			
03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	9.51
		For <1,000, Add	1.78
		For Foundations >8' Below Grade, Add	1.72
		For Curved Formwork, Add	3.44
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	11.33
		For <1,000, Add	2.14
		For Foundations >8' Below Grade, Add	2.07
		For Curved Formwork, Add	4.15
03 11 13 00-0005	SF	Mat Foundation Wood Formwork.....	13.04
		For <1,000, Add	2.50
		For Foundations >8' Below Grade, Add	2.44
		For Curved Formwork, Add	4.88
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	10.89
		For <1,000, Add	2.07
		For Foundations >8' Below Grade, Add	2.01
		For Curved Formwork, Add	4.02
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork	15.48
		Note: Excludes footing	
		For <1,000, Add	2.93
		For Foundations >8' Below Grade, Add	2.85
		For Curved Formwork, Add	5.69
03 11 13 00-0008		Slab Edge And Block-Out Wood Formwork (03 11 13 00-0001)	
03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	7.34
		For Foundations >8' Below Grade, Add	1.37
		For Curved Formwork, Add	2.74
		For Up To 250, Add	1.40
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	10.52
		For Foundations >8' Below Grade, Add	1.91
		For Curved Formwork, Add	3.82
		For Up To 250, Add	1.98
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork.....	13.45
		For Foundations >8' Below Grade, Add	2.47
		For Curved Formwork, Add	4.95
		For <1,000, Add	2.55
03 11 13 00-0012		Column Wood Formwork (03 11 13 00-0001)	
03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork.....	56.79
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork.....	82.43
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	103.51
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	148.50
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	213.07
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	281.48
03 11 13 00-0019		Above Grade Wall Wood Formwork (03 11 13 00-0001)	
03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork.....	17.32
		For Curved Formwork, Add	6.43
		For <1,000, Add	3.30
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	20.52
		For Curved Formwork, Add	7.63
		For <1,000, Add	3.91
03 11 13 00-0022		Elevated Beam Wood Formwork (03 11 13 00-0001)	
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.			

		Concrete	03	3
		Concrete Forming and Accessories	03 10	
		Concrete Forming	03 11	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork.....	22.71	
		For Curved Formwork, Add	8.38	
		For <1,000, Add	4.31	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	14.35	
		For Curved Formwork, Add	5.34	
		For <1,000, Add	2.74	
03 11 13 00-0025		Elevated Slab Wood Formwork (03 11 13 00-0001)		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF	Elevated Slab Wood Formwork	13.38	
		For <1,000, Add	2.46	
03 11 13 00-0027		Metal Framed Formwork (03 11 13)		
		Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028		Foundation Metal Framed Formwork (03 11 13 00-0027)		
		Note: For foundation work below or at grade.		
03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	9.44	
		For <1,000, Add	1.69	
		For Foundations >8' Below Grade, Add	1.58	
		For Curved Formwork, Add	3.17	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	10.42	
		For <1,000, Add	1.88	
		For Foundations >8' Below Grade, Add	1.78	
		For Curved Formwork, Add	3.55	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork.....	11.76	
		For <1,000, Add	2.09	
		For Foundations >8' Below Grade, Add	1.96	
		For Curved Formwork, Add	3.92	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	9.94	
		For <1,000, Add	1.76	
		For Foundations >8' Below Grade, Add	1.65	
		For Curved Formwork, Add	3.30	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork	14.95	
		Note: Excludes footing.		
		For <1,000, Add	2.71	
		For Foundations >8' Below Grade, Add	2.57	
		For Curved Formwork, Add	5.15	
03 11 13 00-0034		Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	6.37	
		For Foundations >8' Below Grade, Add	1.23	
		For Curved Formwork, Add	2.46	
		For <250, Add	1.25	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	8.00	
		For Foundations >8' Below Grade, Add	1.53	
		For Curved Formwork, Add	3.07	
		For <250, Add	1.56	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	8.87	
		For Foundations >8' Below Grade, Add	1.69	
		For Curved Formwork, Add	3.39	
		For <1,000, Add	1.72	
03 11 13 00-0038		Column Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0039		Square Columns (03 11 13 00-0038)		
03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork.....	58.31	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	70.72	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	83.17	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	99.24	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	119.69	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	143.97	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	184.89	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	228.41	
03 11 13 00-0048		Round Columns (03 11 13 00-0038)		
03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	64.85	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	71.52	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	81.43	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	93.78	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	109.95	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	125.36	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	165.37	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	222.83	
03 11 13 00-0057		Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	9.51	
		For Curved Formwork, Add	2.97	
		For <1,000, Add	1.62	

03 Concrete**03 10 Concrete Forming and Accessories****03 11 Concrete Forming**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
03 11 13 00-0059	SF >8' High Above Grade Wall Metal Framed Formwork..... <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	11.68 3.59 1.97		
03 11 13 00-0060	Elevated Beam Metal Framed Formwork (03 11 13 00-0027) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.			
03 11 13 00-0061	SF Bottom of Elevated Beam Metal Framed Formwork <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	9.32 2.77 1.54		
03 11 13 00-0062	SF Vertical Sides of Elevated Beam Metal Framed Formwork..... <i>For Curved Formwork, Add</i> <i>For <1,000, Add</i>	7.14 2.18 1.20		
03 11 13 00-0063	Elevated Slab Metal Framed Formwork (03 11 13 00-0027) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.			
03 11 13 00-0064	SF Elevated Slab Metal Framed Formwork..... <i>For <1,000, Add</i>	12.38 1.85		
03 11 13 00-0065	Fiber Tube Formwork (03 11 13) Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.			
03 11 13 00-0066	Round Column Fiber Tube Formwork (03 11 13 00-0065)			
03 11 13 00-0067	LF 6" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	22.43 0.88 2.24		
03 11 13 00-0068	LF 8" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	23.71 1.04 2.37		
03 11 13 00-0069	LF 10" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	26.36 1.25 2.64		
03 11 13 00-0070	LF 12" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	32.65 2.23 3.27		
03 11 13 00-0071	LF 14" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	36.70 2.82 3.67		
03 11 13 00-0072	LF 16" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	39.99 3.51 4.00		
03 11 13 00-0073	LF 18" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	43.07 4.11 4.31		
03 11 13 00-0074	LF 20" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	49.09 5.58 4.91		
03 11 13 00-0075	LF 22" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	51.37 5.81 5.14		
03 11 13 00-0076	LF 24" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	53.96 6.13 5.40		
03 11 13 00-0077	LF 26" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	56.19 6.62 5.62		
03 11 13 00-0078	LF 28" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	58.41 7.10 5.84		
03 11 13 00-0079	LF 30" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	60.63 7.59 6.06		
03 11 13 00-0080	LF 36" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	70.08 9.76 7.01		
03 11 13 00-0081	LF 42" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	110.45 21.40 11.05		
03 11 13 00-0082	LF 48" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	134.58 28.16 13.46		
03 11 13 00-0083	LF 54" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	242.82 59.87 24.28		
03 11 13 00-0084	LF 60" Diameter Round Fiber Tube Formwork <i>For Plastic Lined, Add</i> <i>For Columns >12' In Length, Add</i>	270.43 67.56 27.04		
03 11 13 00-0085	Accessories For Formwork (03 11 13)			
03 11 13 00-0086	Keyway Forms, All Materials (03 11 13 00-0085)			
03 11 13 00-0087	LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.70		
03 11 13 00-0088	Chamfer Strips, All Materials (03 11 13 00-0085)			
03 11 13 00-0089	LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.86		

				Concrete	03	3
				Concrete Forming and Accessories	03 10	
				Concrete Forming	03 11	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
				UNIT COST	UNIT COST	
03 11 13 00-0090	LF		3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	3.31		
03 11 13 00-0091	LF		1" Wide Chamfer Strips for Concrete Formwork, All Materials	3.82		
03 11 13 00-0092			Strip Out Reglets For Concrete Formwork (03 11 13 00-0085)			
03 11 13 00-0093	LF		24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork.....	13.87		
03 11 13 00-0094			Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0085)			
03 11 13 00-0095	EA		2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	16.16		
03 11 13 00-0096	EA		4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	19.48		
03 11 13 00-0097	EA		6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	23.55		
03 11 13 00-0098	EA		8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	26.61		
03 11 13 00-0099	EA		12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	34.26		
03 11 13 00-0100	EA		18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	74.01		
03 11 16			Architectural Cast-In-Place Concrete Forming (03 11)			
03 11 16 13			Concrete Form Liners (03 11 16)			
03 11 16 13-0001			Concrete Form Liners (03 11 16 13)			
03 11 16 13-0002	SF		Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	6.55		
03 11 16 13-0003	SF		Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork.....	8.73		
03 11 16 13-0004	SF		Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	11.47		
03 11 23			Permanent Stair Forming (03 11)			
03 11 23 00-0001			Stairway Wood Formwork (03 11 23)			
03 11 23 00-0002	SF		Cast On Grade Stairway Wood Formwork.....	22.01		
			For Curved Formwork, Add	8.48		
			For <1,000, Add	4.29		
03 11 23 00-0003	SF		Elevated Stairway Wood Formwork	43.59		
			Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.			
			For Curved Formwork, Add	16.60		
			For <1,000, Add	8.44		
03 11 23 00-0004			Stairway Metal Framed Formwork (03 11 23)			
03 11 23 00-0005	SF		Cast On Grade Stairway Metal Framed Formwork.....	19.00		
			For Curved Formwork, Add	7.03		
			For <1,000, Add	3.61		
03 11 23 00-0006	SF		Elevated Stairway Metal Framed Formwork	34.83		
			Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.			
			For Curved Formwork, Add	13.02		
			For <1,000, Add	6.66		
03 15			Concrete Accessories (03 10)			
03 15 13			Waterstops (03 15)			
03 15 13 13			Non-Expanding Waterstops (03 15 13)			
03 15 13 13-0001			Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)			
03 15 13 13-0002	LF		3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.45		
03 15 13 13-0003	LF		3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	11.68		
03 15 13 13-0004	LF		3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	13.90		
03 15 13 13-0005	LF		3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	15.19		
03 15 13 13-0006	LF		1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	22.09		
03 15 13 13-0007	LF		3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	11.11		
03 15 13 13-0008	LF		3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	14.01		
03 15 13 13-0009	LF		3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	24.00		
03 15 13 13-0010	LF		3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	19.26		
03 15 13 13-0011			Rubber Waterstops (03 15 13 13)			
03 15 13 13-0012	LF		3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	11.53		
03 15 13 13-0013	LF		3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	13.11		
03 15 13 13-0014	LF		1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	11.75		
03 15 13 13-0015	LF		1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	15.73		
03 15 13 13-0016	LF		3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	13.41		
03 15 13 13-0017	LF		3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	16.84		
03 15 13 16			Expanding Waterstops (03 15 13)			
03 15 13 16-0001			Bentonite Waterstops (03 15 13 16)			
03 15 13 16-0002	LF		3/4" x 3/8" Bentonite Waterstop.....	9.13		
03 15 13 16-0003	LF		1-1/4" x 1/2" Bentonite Waterstop.....	13.79		
03 15 13 16-0004	LF		1" x 3/4" Bentonite Waterstop.....	15.42		
03 15 13 16-0005	LF		1" x 1" Bentonite Waterstop.....	17.35		
03 15 16			Concrete Construction Joints (03 15)			

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
03 15 16 00-0001 Poured Expansion Joint (03 15 16)

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	3.39	0.92
		<i>For Installation In Walls, Add</i>	1.55	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	7.69	0.92
		<i>For Installation In Walls, Add</i>	1.73	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	3.67	0.92
		<i>For Installation In Walls, Add</i>	1.55	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	8.78	0.92
		<i>For Installation In Walls, Add</i>	1.73	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	5.30	0.92
		<i>For Installation In Walls, Add</i>	1.73	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, 2 Parts	9.70	0.92
		<i>For Installation In Walls, Add</i>	2.81	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	3.78	0.92
		<i>For Installation In Walls, Add</i>	1.55	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	4.67	0.92
		<i>For Installation In Walls, Add</i>	1.55	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	12.29	0.92
		<i>For Installation In Walls, Add</i>	1.73	

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

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.91	1.36
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.31	1.43
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.56	1.49
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.82	1.56
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.15	1.36
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.49	1.43
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.91	1.49
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.48	1.56
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	2.86	1.29
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.11	1.36
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.40	1.43
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.65	1.49
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.94	1.56
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.36	1.63
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	4.67	1.70
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	5.22	1.76
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.42	1.43
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.89	1.49
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.71	1.63
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	8.01	2.24

03 15 16 00-0033 Cork, Premolded Expansion Joints (03 15 16 00-0011)

03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	4.76	1.43
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	5.34	1.56
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	5.79	1.63
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	7.97	1.70
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	8.48	1.76
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	9.43	2.24
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	10.85	2.24
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	11.50	2.24

03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)

03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.15	1.43
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.29	1.49
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.46	1.56
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.98	1.63
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.23	1.43
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.38	1.49
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.52	1.56
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.85	1.63

03 15 16 00-0051 Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)

03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	3.18	1.43
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	3.46	1.49
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	3.84	1.63

03 15 16 00-0055 Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)

03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	5.11	1.36
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	6.13	1.36

03 15 16 00-0058 Asphalt Felt Control Joints Or Bond Breaker (03 15 16)

03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker	1.53	1.02
		>1,250, Deduct	-0.08	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker	1.44	1.02
		>1,250, Deduct	-0.07	

		Concrete		03	CS
		Concrete Forming and Accessories		03 10	
		Concrete Accessories		03 15	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 15 16 00-0061		Keyed Cold Expansion And Control Joints (03 15 16)			
03 15 16 00-0062		24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)			
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....	7.62		
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....	7.74		
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	8.02		
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	8.47		
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	10.40		
03 15 16 00-0068		Expansion Control Systems (03 15 16)			
03 15 16 00-0069		Wabo Jeene "FW" Traffic Series Expansion Control System (03 15 16 00-0068)			
Note: Jeene® is a patented structural sealing joint system comprised of a neoprene profile, which is air-pressurized and bonded in place with a specially formulated epoxy adhesive. Complete adhesion of the epoxy to the profile and joint wall is achieved due to the air inflation during installation.					
03 15 16 00-0070	LF	1" x 1-1/4" Jeene "FW" Expansion Joint System	101.96		8.19
Note: Jeene 25FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.					
03 15 16 00-0071	LF	1-5/8" x 2" Jeene "FW" Expansion Joint System	125.31		9.28
Note: Jeene 40FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.					
03 15 16 00-0072	LF	2" x 2-1/2" Jeene "FW" Expansion Joint System	145.01		10.24
Note: Jeene 50FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.					
03 15 16 00-0073	LF	2-1/2" x 3-1/4" Jeene "FW" Expansion Joint System.....	172.17		11.33
Note: Jeene 65FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.					
03 15 16 00-0074	LF	3" x 3-3/4" Jeene "FW" Expansion Joint System	215.05		12.41
Note: Jeene 75FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.					
03 15 16 00-0075	LF	3-7/8" x 5" Jeene "FW" Expansion Joint System	253.45		13.38
Note: Jeene 100FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.					
03 15 16 00-0076	LF	5" x 6-1/8" Jeene "FW" Expansion Joint System	408.63		14.46
Note: Jeene 125FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.					
03 15 16 00-0077		Wabo ElastoFlex "EFJ" High Impact Load Expansion Joint System (03 15 16 00-0068)			
Note: Wabo®ElastoFlex is a watertight continuous membrane system for joints with movements up to four inches in parking decks, loading docks, elevated roadways and other vehicle and forklift traffic. It uses mechanically fastened ethylene propylene diene monomer (EPDM) anchor blocks with molded-in steel inserts to support heavy-duty and high impact loads. The winged flap of the durable elastomeric seal is locked between the anchor block and concrete slab. An epoxy paste bedding adhesive is applied between the winged flap and concrete slab to enhance the product's watertightness. The exposed surfaces are non-metallic and skid resistant while resisting UV deterioration and most chemicals.					
03 15 16 00-0078	LF	1-1/2" ElastoFlex "EFJ" Expansion Joint System	189.58		10.85
Note: ElastoFlex EFJ-225 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.					
03 15 16 00-0079	LF	2-1/2" ElastoFlex "EFJ" Expansion Joint System	235.68		13.57
Note: ElastoFlex EFJ-400 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.					
03 15 16 00-0080	LF	3-3/4" ElastoFlex "EFJ" Expansion Joint System	295.36		16.28
Note: ElastoFlex EFJ-600 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.					
03 15 16 00-0081	LF	1-1/2" ElastoFlex "EFJ-C" Expansion Joint System.....	146.75		10.85
Note: ElastoFlex EFJ-225C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.					
03 15 16 00-0082	LF	2-1/2" ElastoFlex "EFJ-C" Expansion Joint System.....	190.35		13.57
Note: ElastoFlex EFJ-400C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.					
03 15 16 00-0083	LF	3-3/4" ElastoFlex "EFJ-C" Expansion Joint System.....	252.53		16.28
Note: ElastoFlex EFJ-600C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.					
03 15 16 00-0084		Emseal Seismic Colorseal Expansion Joint System (03 15 16 00-0068)			
Note: For high-movement and seismic structural expansion joints, panel joints, window perimeter joints, joints around other penetrations of the building envelope such as store-fronts, curtain walls, EIFS panel joints etc, seal shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system. Seal shall combine factory-applied, 15 Shore-A hardness, low-modulus silicone, and a backing of acrylic-impregnated expanding foam into a unified binary sealant system.					
03 15 16 00-0085	LF	1" Seismic Colorseal Expansion Joint System.....	64.39		5.46
Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.					
03 15 16 00-0086	LF	1-1/2" Seismic Colorseal Expansion Joint System	93.93		6.27
Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.					
03 15 16 00-0087	LF	2" Seismic Colorseal Expansion Joint System.....	128.60		7.09
Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.					
03 15 16 00-0088	LF	2-1/2" Seismic Colorseal Expansion Joint System	158.64		7.78
Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.					
03 15 16 00-0089	LF	3" Seismic Colorseal Expansion Joint System.....	194.58		8.59
Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.					

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
03 15 16 00-0090	LF 3-1/2" Seismic Colorseal Expansion Joint System..... Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	238.83		9.41
03 15 16 00-0091	LF 4" Seismic Colorseal Expansion Joint System..... Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	285.64		10.24
03 15 16 00-0092	LF 4-1/2" Seismic Colorseal Expansion Joint System..... Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	327.85		10.91
03 15 16 00-0093	LF 5" Seismic Colorseal Expansion Joint System..... Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	372.10		11.74
03 15 16 00-0094	Emseal Thermaflex Watertight Expansion Joint System (03 15 16 00-0068) Note: Thermaflex consists of extruded thermo-plastic Santoprene rubber sealing glands with punched flanges embedded in a high-strength, flexible, impact-absorbing elastomeric concrete nosing. The thermo-plastic Santoprene sealing glands are heat-weldable making transitions through changes in direction and plane not only practical but watertight. The elastomeric concrete is two-part polyurethane reinforced with silica sand and fiberglass.			
03 15 16 00-0095	LF 1-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	108.49		8.14
03 15 16 00-0096	LF 2-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	116.56		9.49
03 15 16 00-0097	EA Thermaflex TM Fittings Expansion Joint System Note: For direction changes, tees and crosses. Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	543.73		27.13
03 15 19	Cast-In Concrete Anchors (03 15)			
03 15 19 00-0001	Cast In Place Anchors (03 15 19) Note: For cast in place installations. Includes nut and washer.			
03 15 19 00-0002	J-Type Anchor Bolts (03 15 19 00-0001) See CSI section 03 11 13 00-0002 for template.			
03 15 19 00-0003	1/2" And 5/8" Diameter (03 15 19 00-0002)			
03 15 19 00-0004	EA 1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt For Galvanized, Add For Stainless Steel, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	13.83 3.07 21.46 -0.39 -0.92 -1.85		
03 15 19 00-0005	EA 1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt For Galvanized, Add For Stainless Steel, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	16.11 3.91 27.34 -0.42 -1.03 -2.05		
03 15 19 00-0006	EA 1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt For Galvanized, Add For Stainless Steel, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	19.75 5.38 37.66 -0.45 -1.17 -2.34		
03 15 19 00-0007	EA 5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt For Galvanized, Add For Stainless Steel, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	23.05 7.03 49.21 -0.45 -1.25 -2.50		
03 15 19 00-0008	EA 5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt For Galvanized, Add For Stainless Steel, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	28.58 9.39 65.70 -0.49 -1.45 -2.90		
03 15 19 00-0009	EA 5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt For Galvanized, Add For Stainless Steel, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	32.24 10.73 75.08 -0.54 -1.62 -3.23		
03 15 19 00-0010	3/4" And 7/8" Diameter (03 15 19 00-0002)			
03 15 19 00-0011	EA 3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt For Galvanized, Add For Stainless Steel, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	32.09 10.65 74.55 -0.54 -1.61 -3.22		
03 15 19 00-0012	EA 3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt For Galvanized, Add For Stainless Steel, Add For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	36.81 12.41 86.87 -0.60 -1.82 -3.64		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0013 EA 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	45.28	
For Galvanized, Add	15.90	
For Stainless Steel, Add	111.27	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-2.14	
For >100, Deduct	-4.29	
03 15 19 00-0014 EA 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	55.19	
For Galvanized, Add	20.04	
For Stainless Steel, Add	140.25	
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-2.51	
For >100, Deduct	-5.03	
03 15 19 00-0015 EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	42.60	
For Galvanized, Add	14.56	
For Stainless Steel, Add	101.89	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-2.08	
For >100, Deduct	-4.15	
03 15 19 00-0016 EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	50.28	
For Galvanized, Add	17.43	
For Stainless Steel, Add	122.01	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-2.41	
For >100, Deduct	-4.83	
03 15 19 00-0017 EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.44	
For Galvanized, Add	23.23	
For Stainless Steel, Add	162.61	
For >10 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-2.96	
For >100, Deduct	-5.92	
03 15 19 00-0018 1" And 1-1/8" Diameter (03 15 19 00-0002)		
03 15 19 00-0019 EA 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	53.07	
For Galvanized, Add	18.83	
For Stainless Steel, Add	131.78	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-2.48	
For >100, Deduct	-4.97	
03 15 19 00-0020 EA 1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	63.29	
For Galvanized, Add	22.66	
For Stainless Steel, Add	158.59	
For >10 To 50, Deduct	-0.90	
For >50 To 100, Deduct	-2.93	
For >100, Deduct	-5.86	
03 15 19 00-0021 EA 1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	78.39	
For Galvanized, Add	28.41	
For Stainless Steel, Add	198.84	
For >10 To 50, Deduct	-1.08	
For >50 To 100, Deduct	-3.58	
For >100, Deduct	-7.16	
03 15 19 00-0022 EA 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	96.39	
For Galvanized, Add	34.71	
For Stainless Steel, Add	242.94	
For >10 To 50, Deduct	-1.35	
For >50 To 100, Deduct	-4.43	
For >100, Deduct	-8.87	
03 15 19 00-0023 EA 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.01	
For Galvanized, Add	23.54	
For Stainless Steel, Add	164.78	
For >10 To 50, Deduct	-0.85	
For >50 To 100, Deduct	-2.87	
For >100, Deduct	-5.74	
03 15 19 00-0024 EA 1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	76.39	
For Galvanized, Add	28.33	
For Stainless Steel, Add	198.28	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-3.39	
For >100, Deduct	-6.78	
03 15 19 00-0025 EA 1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	94.71	
For Galvanized, Add	35.51	
For Stainless Steel, Add	248.57	
For >10 To 50, Deduct	-1.18	
For >50 To 100, Deduct	-4.14	
For >100, Deduct	-8.29	
03 15 19 00-0026 EA 1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	116.38	
For Galvanized, Add	43.38	
For Stainless Steel, Add	303.66	
For >10 To 50, Deduct	-1.48	
For >50 To 100, Deduct	-5.13	
For >100, Deduct	-10.26	
03 15 19 00-0027 1-1/4" And 1-1/2" Diameter (03 15 19 00-0002)		
03 15 19 00-0028 EA 1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	77.59	
For Galvanized, Add	29.42	
For Stainless Steel, Add	205.94	
For >10 To 50, Deduct	-0.94	
For >50 To 100, Deduct	-3.35	
For >100, Deduct	-6.69	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	92.69	
		For Galvanized, Add	35.42	
		For Stainless Steel, Add	247.91	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-3.96	
		For >100, Deduct	-7.91	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	115.04	
		For Galvanized, Add	44.40	
		For Stainless Steel, Add	310.77	
		For >10 To 50, Deduct	-1.31	
		For >50 To 100, Deduct	-4.84	
		For >100, Deduct	-9.69	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	141.24	
		For Galvanized, Add	54.22	
		For Stainless Steel, Add	379.54	
		For >10 To 50, Deduct	-1.64	
		For >50 To 100, Deduct	-5.99	
		For >100, Deduct	-11.98	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	94.57	
		For Galvanized, Add	36.78	
		For Stainless Steel, Add	257.43	
		For >10 To 50, Deduct	-1.05	
		For >50 To 100, Deduct	-3.94	
		For >100, Deduct	-7.88	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	113.05	
		For Galvanized, Add	44.26	
		For Stainless Steel, Add	309.82	
		For >10 To 50, Deduct	-1.23	
		For >50 To 100, Deduct	-4.67	
		For >100, Deduct	-9.33	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	140.45	
		For Galvanized, Add	55.51	
		For Stainless Steel, Add	388.54	
		For >10 To 50, Deduct	-1.47	
		For >50 To 100, Deduct	-5.72	
		For >100, Deduct	-11.44	
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	172.34	
		For Galvanized, Add	67.78	
		For Stainless Steel, Add	474.46	
		For >10 To 50, Deduct	-1.84	
		For >50 To 100, Deduct	-7.07	
		For >100, Deduct	-14.13	

03 15 19 00-0036 **L-Type Anchor Bolts** (03 15 19 00-0001)
 See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0037 **3/4" And 7/8" Diameter** (03 15 19 00-0036)

03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.27	
		For Galvanized, Add	8.14	
		For Stainless Steel, Add	56.98	
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.61	
		For >100, Deduct	-3.21	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.60	
		For Galvanized, Add	10.06	
		For Stainless Steel, Add	70.39	
		For >10 To 50, Deduct	-0.67	
		For >50 To 100, Deduct	-1.85	
		For >100, Deduct	-3.70	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.48	
		For Galvanized, Add	11.53	
		For Stainless Steel, Add	80.71	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-2.12	
		For >100, Deduct	-4.24	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.92	
		For Galvanized, Add	11.97	
		For Stainless Steel, Add	83.79	
		For >10 To 50, Deduct	-0.90	
		For >50 To 100, Deduct	-2.40	
		For >100, Deduct	-4.79	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.71	
		For Galvanized, Add	12.57	
		For Stainless Steel, Add	87.96	
		For >10 To 50, Deduct	-1.08	
		For >50 To 100, Deduct	-2.79	
		For >100, Deduct	-5.57	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.68	
		For Galvanized, Add	10.10	
		For Stainless Steel, Add	70.67	
		For >10 To 50, Deduct	-0.67	
		For >50 To 100, Deduct	-1.85	
		For >100, Deduct	-3.71	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.94	
		For Galvanized, Add	11.76	
		For Stainless Steel, Add	82.32	
		For >10 To 50, Deduct	-0.77	
		For >50 To 100, Deduct	-2.13	
		For >100, Deduct	-4.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0045	EA		7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.95	
			For Galvanized, Add	13.49	
			For Stainless Steel, Add	94.40	
			For >10 To 50, Deduct	-0.90	
			For >50 To 100, Deduct	-2.47	
			For >100, Deduct	-4.94	
03 15 19 00-0046	EA		7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.58	
			For Galvanized, Add	14.00	
			For Stainless Steel, Add	98.00	
			For >10 To 50, Deduct	-1.08	
			For >50 To 100, Deduct	-2.86	
			For >100, Deduct	-5.72	
03 15 19 00-0047	EA		7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.40	
			For Galvanized, Add	14.71	
			For Stainless Steel, Add	102.97	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-3.43	
			For >100, Deduct	-6.87	
03 15 19 00-0048 1" And 1-1/8" Diameter (03 15 19 00-0036)					
03 15 19 00-0049	EA		1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.31	
			For Galvanized, Add	12.95	
			For Stainless Steel, Add	90.62	
			For >10 To 50, Deduct	-0.77	
			For >50 To 100, Deduct	-2.19	
			For >100, Deduct	-4.38	
03 15 19 00-0050	EA		1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	47.09	
			For Galvanized, Add	14.56	
			For Stainless Steel, Add	101.89	
			For >10 To 50, Deduct	-0.90	
			For >50 To 100, Deduct	-2.53	
			For >100, Deduct	-5.05	
03 15 19 00-0051	EA		1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.14	
			For Galvanized, Add	16.28	
			For Stainless Steel, Add	113.96	
			For >10 To 50, Deduct	-1.08	
			For >50 To 100, Deduct	-2.97	
			For >100, Deduct	-5.94	
03 15 19 00-0052	EA		1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.55	
			For Galvanized, Add	17.05	
			For Stainless Steel, Add	119.32	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-3.20	
			For >100, Deduct	-6.40	
03 15 19 00-0053	EA		1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.68	
			For Galvanized, Add	17.85	
			For Stainless Steel, Add	124.95	
			For >10 To 50, Deduct	-1.35	
			For >50 To 100, Deduct	-3.59	
			For >100, Deduct	-7.18	
03 15 19 00-0054	EA		1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	71.35	
			For Galvanized, Add	20.69	
			For Stainless Steel, Add	144.80	
			For >10 To 50, Deduct	-1.50	
			For >50 To 100, Deduct	-4.03	
			For >100, Deduct	-8.06	
03 15 19 00-0055	EA		1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	84.39	
			For Galvanized, Add	24.21	
			For Stainless Steel, Add	169.47	
			For >10 To 50, Deduct	-1.80	
			For >50 To 100, Deduct	-4.61	
			For >100, Deduct	-9.62	
03 15 19 00-0056	EA		1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.03	
			For Galvanized, Add	17.03	
			For Stainless Steel, Add	119.18	
			For >10 To 50, Deduct	-0.90	
			For >50 To 100, Deduct	-2.65	
			For >100, Deduct	-5.30	
03 15 19 00-0057	EA		1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.69	
			For Galvanized, Add	19.06	
			For Stainless Steel, Add	133.39	
			For >10 To 50, Deduct	-1.08	
			For >50 To 100, Deduct	-3.11	
			For >100, Deduct	-6.22	
03 15 19 00-0058	EA		1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.34	
			For Galvanized, Add	19.94	
			For Stainless Steel, Add	139.58	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-3.34	
			For >100, Deduct	-6.69	
03 15 19 00-0059 1-1/4" And 1-3/8" Diameter (03 15 19 00-0036)					
03 15 19 00-0060	EA		1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.76	
			For Galvanized, Add	20.59	
			For Stainless Steel, Add	144.13	
			For >10 To 50, Deduct	-1.08	
			For >50 To 100, Deduct	-3.19	
			For >100, Deduct	-6.38	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	75.17	
		For Galvanized, Add	24.10	
		For Stainless Steel, Add	168.67	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-3.90	
		For >100, Deduct	-7.81	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	82.98	
		For Galvanized, Add	27.29	
		For Stainless Steel, Add	191.03	
		For >10 To 50, Deduct	-1.42	
		For >50 To 100, Deduct	-4.20	
		For >100, Deduct	-8.41	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	91.61	
		For Galvanized, Add	30.82	
		For Stainless Steel, Add	215.71	
		For >10 To 50, Deduct	-1.50	
		For >50 To 100, Deduct	-4.54	
		For >100, Deduct	-9.08	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	100.75	
		For Galvanized, Add	33.52	
		For Stainless Steel, Add	234.61	
		For >10 To 50, Deduct	-1.69	
		For >50 To 100, Deduct	-5.05	
		For >100, Deduct	-10.10	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	110.32	
		For Galvanized, Add	35.89	
		For Stainless Steel, Add	251.23	
		For >10 To 50, Deduct	-1.93	
		For >50 To 100, Deduct	-5.65	
		For >100, Deduct	-11.30	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	121.80	
		For Galvanized, Add	38.42	
		For Stainless Steel, Add	268.94	
		For >10 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.42	
		For >100, Deduct	-12.83	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	138.92	
		For Galvanized, Add	42.48	
		For Stainless Steel, Add	297.36	
		For >10 To 50, Deduct	-2.70	
		For >50 To 100, Deduct	-7.52	
		For >100, Deduct	-15.04	
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	73.06	
		For Galvanized, Add	25.74	
		For Stainless Steel, Add	180.18	
		For >10 To 50, Deduct	-1.08	
		For >50 To 100, Deduct	-3.45	
		For >100, Deduct	-6.89	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	87.23	
		For Galvanized, Add	30.13	
		For Stainless Steel, Add	210.88	
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-4.20	
		For >100, Deduct	-8.41	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	96.62	
		For Galvanized, Add	34.11	
		For Stainless Steel, Add	238.77	
		For >10 To 50, Deduct	-1.42	
		For >50 To 100, Deduct	-4.55	
		For >100, Deduct	-9.09	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	107.01	
		For Galvanized, Add	38.52	
		For Stainless Steel, Add	269.61	
		For >10 To 50, Deduct	-1.50	
		For >50 To 100, Deduct	-4.92	
		For >100, Deduct	-9.85	
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	117.53	
		For Galvanized, Add	41.91	
		For Stainless Steel, Add	293.34	
		For >10 To 50, Deduct	-1.69	
		For >50 To 100, Deduct	-5.47	
		For >100, Deduct	-10.93	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	128.29	
		For Galvanized, Add	44.88	
		For Stainless Steel, Add	314.13	
		For >10 To 50, Deduct	-1.93	
		For >50 To 100, Deduct	-6.10	
		For >100, Deduct	-12.20	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	141.80	
		For Galvanized, Add	48.42	
		For Stainless Steel, Add	338.94	
		For >10 To 50, Deduct	-2.25	
		For >50 To 100, Deduct	-6.92	
		For >100, Deduct	-13.83	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	160.18	
		For Galvanized, Add	53.11	
		For Stainless Steel, Add	371.77	
		For >10 To 50, Deduct	-2.70	
		For >50 To 100, Deduct	-8.05	
		For >100, Deduct	-16.10	

		Concrete	03	CS
		Concrete Forming and Accessories	03 10	
		Concrete Accessories	03 15	
MINOR	TOTAL DIRECT	DEMOLITION		
CSI UOM DESCRIPTION	UNIT COST	UNIT COST		

03 15 19 00-0076	1-1/2", 1-3/4", And 2" Diameter (03 15 19 00-0036)		
03 15 19 00-0077	EA 1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	95.89	
	For Galvanized, Add	35.68	
	For Stainless Steel, Add	249.76	
	For >10 To 50, Deduct	-1.23	
	For >50 To 100, Deduct	-4.24	
	For >100, Deduct	-8.47	
03 15 19 00-0078	EA 1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	103.25	
	For Galvanized, Add	37.43	
	For Stainless Steel, Add	261.98	
	For >10 To 50, Deduct	-1.42	
	For >50 To 100, Deduct	-4.71	
	For >100, Deduct	-9.42	
03 15 19 00-0079	EA 1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	114.10	
	For Galvanized, Add	41.18	
	For Stainless Steel, Add	288.26	
	For >10 To 50, Deduct	-1.59	
	For >50 To 100, Deduct	-5.23	
	For >100, Deduct	-10.47	
03 15 19 00-0080	EA 1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	123.70	
	For Galvanized, Add	44.99	
	For Stainless Steel, Add	314.93	
	For >10 To 50, Deduct	-1.69	
	For >50 To 100, Deduct	-5.62	
	For >100, Deduct	-11.24	
03 15 19 00-0081	EA 1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	133.57	
	For Galvanized, Add	48.80	
	For Stainless Steel, Add	341.60	
	For >10 To 50, Deduct	-1.80	
	For >50 To 100, Deduct	-6.04	
	For >100, Deduct	-12.07	
03 15 19 00-0082	EA 1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	146.47	
	For Galvanized, Add	52.48	
	For Stainless Steel, Add	367.36	
	For >10 To 50, Deduct	-2.08	
	For >50 To 100, Deduct	-6.78	
	For >100, Deduct	-13.55	
03 15 19 00-0083	EA 1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	162.59	
	For Galvanized, Add	56.77	
	For Stainless Steel, Add	397.39	
	For >10 To 50, Deduct	-2.45	
	For >50 To 100, Deduct	-7.74	
	For >100, Deduct	-15.49	
03 15 19 00-0084	EA 1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	185.86	
	For Galvanized, Add	62.96	
	For Stainless Steel, Add	440.69	
	For >10 To 50, Deduct	-3.00	
	For >50 To 100, Deduct	-9.14	
	For >100, Deduct	-18.29	
03 15 19 00-0085	EA 1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	134.35	
	For Galvanized, Add	53.69	
	For Stainless Steel, Add	375.80	
	For >10 To 50, Deduct	-1.35	
	For >50 To 100, Deduct	-5.38	
	For >100, Deduct	-10.76	
03 15 19 00-0086	EA 1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.69	
	For Galvanized, Add	54.86	
	For Stainless Steel, Add	383.99	
	For >10 To 50, Deduct	-1.50	
	For >50 To 100, Deduct	-5.74	
	For >100, Deduct	-11.48	
03 15 19 00-0087	EA 1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	143.21	
	For Galvanized, Add	55.74	
	For Stainless Steel, Add	390.15	
	For >10 To 50, Deduct	-1.59	
	For >50 To 100, Deduct	-5.96	
	For >100, Deduct	-11.92	
03 15 19 00-0088	EA 1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	162.46	
	For Galvanized, Add	64.37	
	For Stainless Steel, Add	450.59	
	For >10 To 50, Deduct	-1.69	
	For >50 To 100, Deduct	-6.59	
	For >100, Deduct	-13.18	
03 15 19 00-0089	EA 1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	187.16	
	For Galvanized, Add	74.31	
	For Stainless Steel, Add	520.17	
	For >10 To 50, Deduct	-1.93	
	For >50 To 100, Deduct	-7.57	
	For >100, Deduct	-15.14	
03 15 19 00-0090	EA 1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	195.54	
	For Galvanized, Add	75.29	
	For Stainless Steel, Add	527.03	
	For >10 To 50, Deduct	-2.25	
	For >50 To 100, Deduct	-8.26	
	For >100, Deduct	-16.52	
03 15 19 00-0091	EA 1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	216.56	
	For Galvanized, Add	81.30	
	For Stainless Steel, Add	569.10	
	For >10 To 50, Deduct	-2.70	
	For >50 To 100, Deduct	-9.46	
	For >100, Deduct	-18.92	

03 Concrete**03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	242.57	
		For Galvanized, Add	87.57	
		For Stainless Steel, Add	612.96	
		For >10 To 50, Deduct	-3.37	
		For >50 To 100, Deduct	-11.12	
		For >100, Deduct	-22.24	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	195.19	
		For Galvanized, Add	81.73	
		For Stainless Steel, Add	572.08	
		For >10 To 50, Deduct	-1.59	
		For >50 To 100, Deduct	-7.26	
		For >100, Deduct	-14.52	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	212.67	
		For Galvanized, Add	88.35	
		For Stainless Steel, Add	618.45	
		For >10 To 50, Deduct	-1.80	
		For >50 To 100, Deduct	-8.01	
		For >100, Deduct	-16.03	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	234.11	
		For Galvanized, Add	96.30	
		For Stainless Steel, Add	674.10	
		For >10 To 50, Deduct	-2.08	
		For >50 To 100, Deduct	-8.97	
		For >100, Deduct	-17.93	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	253.02	
		For Galvanized, Add	101.99	
		For Stainless Steel, Add	713.90	
		For >10 To 50, Deduct	-2.45	
		For >50 To 100, Deduct	-10.00	
		For >100, Deduct	-20.01	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	273.14	
		For Galvanized, Add	109.59	
		For Stainless Steel, Add	767.13	
		For >10 To 50, Deduct	-2.70	
		For >50 To 100, Deduct	-10.88	
		For >100, Deduct	-21.75	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	293.99	
		For Galvanized, Add	117.02	
		For Stainless Steel, Add	819.14	
		For >10 To 50, Deduct	-3.00	
		For >50 To 100, Deduct	-11.85	
		For >100, Deduct	-23.69	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	328.44	
		For Galvanized, Add	125.68	
		For Stainless Steel, Add	879.76	
		For >10 To 50, Deduct	-3.85	
		For >50 To 100, Deduct	-13.99	
		For >100, Deduct	-27.98	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	353.41	
		For Galvanized, Add	138.17	
		For Stainless Steel, Add	967.16	
		For >10 To 50, Deduct	-3.85	
		For >50 To 100, Deduct	-14.62	
		For >100, Deduct	-29.23	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	397.10	
		For Galvanized, Add	153.59	
		For Stainless Steel, Add	1,075.10	
		For >10 To 50, Deduct	-4.50	
		For >50 To 100, Deduct	-16.67	
		For >100, Deduct	-33.34	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter (03 15 19 00-0036)

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	394.87	
		For Galvanized, Add	181.57	
		For Stainless Steel, Add	1,270.96	
		For >10 To 50, Deduct	-1.59	
		For >50 To 100, Deduct	-12.25	
		For >100, Deduct	-24.50	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	415.53	
		For Galvanized, Add	189.78	
		For Stainless Steel, Add	1,328.46	
		For >10 To 50, Deduct	-1.80	
		For >50 To 100, Deduct	-13.09	
		For >100, Deduct	-26.17	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	453.14	
		For Galvanized, Add	205.82	
		For Stainless Steel, Add	1,440.71	
		For >10 To 50, Deduct	-2.08	
		For >50 To 100, Deduct	-14.44	
		For >100, Deduct	-28.88	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	482.85	
		For Galvanized, Add	216.90	
		For Stainless Steel, Add	1,518.30	
		For >10 To 50, Deduct	-2.45	
		For >50 To 100, Deduct	-15.75	
		For >100, Deduct	-31.50	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0107 EA 2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	511.02	
For Galvanized, Add	228.53	
For Stainless Steel, Add	1,599.71	
For >10 To 50, Deduct	-2.70	
For >50 To 100, Deduct	-16.82	
For >100, Deduct	-33.65	
03 15 19 00-0108 EA 2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	543.05	
For Galvanized, Add	241.55	
For Stainless Steel, Add	1,690.85	
For >10 To 50, Deduct	-3.00	
For >50 To 100, Deduct	-18.07	
For >100, Deduct	-36.15	
03 15 19 00-0109 EA 2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	586.84	
For Galvanized, Add	254.88	
For Stainless Steel, Add	1,784.16	
For >10 To 50, Deduct	-3.85	
For >50 To 100, Deduct	-20.45	
For >100, Deduct	-40.90	
03 15 19 00-0110 EA 2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	444.81	
For Galvanized, Add	205.55	
For Stainless Steel, Add	1,438.82	
For >10 To 50, Deduct	-1.69	
For >50 To 100, Deduct	-13.65	
For >100, Deduct	-27.30	
03 15 19 00-0111 EA 2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	478.28	
For Galvanized, Add	219.87	
For Stainless Steel, Add	1,539.09	
For >10 To 50, Deduct	-1.93	
For >50 To 100, Deduct	-14.85	
For >100, Deduct	-29.70	
03 15 19 00-0112 EA 2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	513.62	
For Galvanized, Add	234.33	
For Stainless Steel, Add	1,640.31	
For >10 To 50, Deduct	-2.25	
For >50 To 100, Deduct	-16.21	
For >100, Deduct	-32.43	
03 15 19 00-0113 EA 2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	548.67	
For Galvanized, Add	247.36	
For Stainless Steel, Add	1,731.49	
For >10 To 50, Deduct	-2.70	
For >50 To 100, Deduct	-17.76	
For >100, Deduct	-35.53	
03 15 19 00-0114 EA 2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	583.12	
For Galvanized, Add	261.59	
For Stainless Steel, Add	1,831.10	
For >10 To 50, Deduct	-3.00	
For >50 To 100, Deduct	-19.07	
For >100, Deduct	-38.15	
03 15 19 00-0115 EA 2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	631.02	
For Galvanized, Add	281.79	
For Stainless Steel, Add	1,972.53	
For >10 To 50, Deduct	-3.37	
For >50 To 100, Deduct	-20.83	
For >100, Deduct	-41.67	
03 15 19 00-0116 EA 2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	684.50	
For Galvanized, Add	297.29	
For Stainless Steel, Add	2,081.00	
For >10 To 50, Deduct	-4.50	
For >50 To 100, Deduct	-23.86	
For >100, Deduct	-47.71	

03 20 Concrete Reinforcing ⁽⁰³⁾

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

03 21 Reinforcement Bars ^(03 20)

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

03 21 11 Plain Steel Reinforcement Bars ^(03 21)

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

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

03 21 11 00-0002 LF #3, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	0.83	
For Up To 100, Add	0.57	
For >100 To 200, Add	0.31	
For >200 To 500, Add	0.12	
03 21 11 00-0003 LF #4, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.41	
For Up To 100, Add	0.99	
For >100 To 200, Add	0.53	
For >200 To 500, Add	0.21	
03 21 11 00-0004 LF #5, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.12	
For Up To 100, Add	1.51	
For >100 To 200, Add	0.81	
For >200 To 500, Add	0.32	
03 21 11 00-0005 LF #6, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.94	
For Up To 100, Add	2.14	
For >100 To 200, Add	1.14	
For >200 To 500, Add	0.45	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 11 00-0006	LF #3, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	0.85	
	For Up To 100, Add	0.59	
	For >100 To 200, Add	0.32	
	For >200 To 500, Add	0.13	
03 21 11 00-0007	LF #4, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.45	
	For Up To 100, Add	1.03	
	For >100 To 200, Add	0.55	
	For >200 To 500, Add	0.22	
03 21 11 00-0008	LF #5, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	2.17	
	For Up To 100, Add	1.56	
	For >100 To 200, Add	0.83	
	For >200 To 500, Add	0.33	
03 21 11 00-0009	LF #6, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	3.02	
	For Up To 100, Add	2.22	
	For >100 To 200, Add	1.18	
	For >200 To 500, Add	0.47	
03 21 11 00-0010	LF #3, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	0.88	
	For Up To 100, Add	0.62	
	For >100 To 200, Add	0.33	
	For >200 To 500, Add	0.13	
03 21 11 00-0011	LF #4, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.50	
	For Up To 100, Add	1.08	
	For >100 To 200, Add	0.58	
	For >200 To 500, Add	0.23	
03 21 11 00-0012	LF #5, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	2.26	
	For Up To 100, Add	1.65	
	For >100 To 200, Add	0.88	
	For >200 To 500, Add	0.35	
03 21 11 00-0013	LF #6, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	3.14	
	For Up To 100, Add	2.34	
	For >100 To 200, Add	1.24	
	For >200 To 500, Add	0.49	
03 21 11 00-0014	LF #7, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	4.08	
	For Up To 100, Add	2.40	
	For >100 To 200, Add	1.39	
	For >200 To 400, Add	0.65	
03 21 11 00-0015	LF #8, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	5.12	
	For Up To 100, Add	3.07	
	For >100 To 200, Add	1.76	
	For >200 To 400, Add	0.83	
03 21 11 00-0016	LF #9, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	6.33	
	For Up To 100, Add	3.84	
	For >100 To 200, Add	2.19	
	For >200 To 400, Add	1.04	
03 21 11 00-0017	LF #10, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	7.78	
	For Up To 100, Add	3.88	
	For >100 To 200, Add	2.07	
	For >200 To 300, Add	1.04	
03 21 11 00-0018	LF #11, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	9.30	
	For Up To 100, Add	4.70	
	For >100 To 200, Add	2.50	
	For >200 To 300, Add	1.25	
03 21 11 00-0019	LF #14, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	12.97	
	For Up To 100, Add	6.64	
	For >100 To 200, Add	3.51	
	For >200 To 300, Add	1.75	
03 21 11 00-0020	LF #18, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	22.30	
	For Up To 100, Add	11.57	
	For >100 To 200, Add	6.09	
	For >200 To 300, Add	3.04	
03 21 11 00-0021	LF #6, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	3.26	
	For Up To 100, Add	2.46	
	For >100 To 200, Add	1.30	
	For >200 To 500, Add	0.52	
03 21 11 00-0022	LF #7, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	4.25	
	For Up To 100, Add	2.53	
	For >100 To 200, Add	1.45	
	For >200 To 400, Add	0.69	
03 21 11 00-0023	LF #8, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	5.34	
	For Up To 100, Add	3.23	
	For >100 To 200, Add	1.85	
	For >200 To 400, Add	0.88	
03 21 11 00-0024	LF #9, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	6.60	
	For Up To 100, Add	4.05	
	For >100 To 200, Add	2.30	
	For >200 To 400, Add	1.09	
03 21 11 00-0025	LF #10, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	8.12	
	For Up To 100, Add	4.08	
	For >100 To 200, Add	2.17	
	For >200 To 300, Add	1.09	
03 21 11 00-0026	LF #11, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	9.73	
	For Up To 100, Add	4.95	
	For >100 To 200, Add	2.62	
	For >200 To 300, Add	1.31	
03 21 11 00-0027	LF #14, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	13.58	
	For Up To 100, Add	7.00	
	For >100 To 200, Add	3.69	
	For >200 To 300, Add	1.85	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	23.38	
		For Up To 100, Add	12.22	
		For >100 To 200, Add	6.41	
		For >200 To 300, Add	3.21	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.90	
		For Up To 100, Add	0.64	
		For >100 To 200, Add	0.34	
		For >200 To 500, Add	0.14	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.54	
		For Up To 100, Add	1.12	
		For >100 To 200, Add	0.60	
		For >200 To 500, Add	0.24	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.32	
		For Up To 100, Add	1.71	
		For >100 To 200, Add	0.91	
		For >200 To 500, Add	0.36	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.23	
		For Up To 100, Add	2.43	
		For >100 To 200, Add	1.28	
		For >200 To 500, Add	0.51	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.21	
		For Up To 100, Add	2.50	
		For >100 To 200, Add	1.44	
		For >200 To 400, Add	0.68	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.28	
		For Up To 100, Add	3.19	
		For >100 To 200, Add	1.82	
		For >200 To 400, Add	0.86	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.53	
		For Up To 100, Add	3.99	
		For >100 To 200, Add	2.27	
		For >200 To 400, Add	1.08	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	8.03	
		For Up To 100, Add	4.03	
		For >100 To 200, Add	2.15	
		For >200 To 300, Add	1.07	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	9.62	
		For Up To 100, Add	4.89	
		For >100 To 200, Add	2.59	
		For >200 To 300, Add	1.30	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	13.42	
		For Up To 100, Add	6.91	
		For >100 To 200, Add	3.64	
		For >200 To 300, Add	1.82	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	23.11	
		For Up To 100, Add	12.05	
		For >100 To 200, Add	6.33	
		For >200 To 300, Add	3.16	
03 21 11 00-0040 Columns, Steel Reinforcement Bar (03 21 11)				
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.				
03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar.....	0.86	
		For Up To 100, Add	0.58	
		For >100 To 200, Add	0.32	
		For >200 To 500, Add	0.13	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar.....	1.48	
		For Up To 100, Add	1.02	
		For >100 To 200, Add	0.55	
		For >200 To 500, Add	0.22	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar.....	2.21	
		For Up To 100, Add	1.55	
		For >100 To 200, Add	0.83	
		For >200 To 500, Add	0.33	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar.....	3.07	
		For Up To 100, Add	2.19	
		For >100 To 200, Add	1.17	
		For >200 To 500, Add	0.47	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar.....	0.88	
		For Up To 100, Add	0.60	
		For >100 To 200, Add	0.33	
		For >200 To 500, Add	0.13	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar.....	1.52	
		For Up To 100, Add	1.06	
		For >100 To 200, Add	0.57	
		For >200 To 500, Add	0.23	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar.....	2.26	
		For Up To 100, Add	1.60	
		For >100 To 200, Add	0.86	
		For >200 To 500, Add	0.34	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar.....	3.15	
		For Up To 100, Add	2.27	
		For >100 To 200, Add	1.21	
		For >200 To 500, Add	0.48	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar.....	0.91	
		For Up To 100, Add	0.63	
		For >100 To 200, Add	0.34	
		For >200 To 500, Add	0.14	

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

03 21 11 00-0050	LF #4, Grade 60, Columns, Steel Reinforcement Bar.....	1.57	
	For Up To 100, Add	1.11	
	For >100 To 200, Add	0.59	
	For >200 To 500, Add	0.24	
03 21 11 00-0051	LF #5, Grade 60, Columns, Steel Reinforcement Bar.....	2.35	
	For Up To 100, Add	1.69	
	For >100 To 200, Add	0.90	
	For >200 To 500, Add	0.36	
03 21 11 00-0052	LF #6, Grade 60, Columns, Steel Reinforcement Bar.....	3.27	
	For Up To 100, Add	2.39	
	For >100 To 200, Add	1.27	
	For >200 To 500, Add	0.51	
03 21 11 00-0053	LF #7, Grade 60, Columns, Steel Reinforcement Bar.....	4.25	
	For Up To 100, Add	2.46	
	For >100 To 200, Add	1.43	
	For >200 To 400, Add	0.67	
03 21 11 00-0054	LF #8, Grade 60, Columns, Steel Reinforcement Bar.....	5.31	
	For Up To 100, Add	3.13	
	For >100 To 200, Add	1.81	
	For >200 To 400, Add	0.85	
03 21 11 00-0055	LF #9, Grade 60, Columns, Steel Reinforcement Bar.....	6.55	
	For Up To 100, Add	3.92	
	For >100 To 200, Add	2.25	
	For >200 To 400, Add	1.06	
03 21 11 00-0056	LF #10, Grade 60, Columns, Steel Reinforcement Bar.....	8.03	
	For Up To 100, Add	3.95	
	For >100 To 200, Add	2.12	
	For >200 To 300, Add	1.06	
03 21 11 00-0057	LF #11, Grade 60, Columns, Steel Reinforcement Bar.....	9.59	
	For Up To 100, Add	4.78	
	For >100 To 200, Add	2.55	
	For >200 To 300, Add	1.28	
03 21 11 00-0058	LF #14, Grade 60, Columns, Steel Reinforcement Bar.....	13.36	
	For Up To 100, Add	6.75	
	For >100 To 200, Add	3.59	
	For >200 To 300, Add	1.79	
03 21 11 00-0059	LF #18, Grade 60, Columns, Steel Reinforcement Bar.....	22.90	
	For Up To 100, Add	11.75	
	For >100 To 200, Add	6.21	
	For >200 To 300, Add	3.10	
03 21 11 00-0060	LF #6, Grade 75, Columns, Steel Reinforcement Bar.....	3.39	
	For Up To 100, Add	2.51	
	For >100 To 200, Add	1.33	
	For >200 To 500, Add	0.53	
03 21 11 00-0061	LF #7, Grade 75, Columns, Steel Reinforcement Bar.....	4.42	
	For Up To 100, Add	2.59	
	For >100 To 200, Add	1.50	
	For >200 To 400, Add	0.70	
03 21 11 00-0062	LF #8, Grade 75, Columns, Steel Reinforcement Bar.....	5.53	
	For Up To 100, Add	3.30	
	For >100 To 200, Add	1.89	
	For >200 To 400, Add	0.89	
03 21 11 00-0063	LF #9, Grade 75, Columns, Steel Reinforcement Bar.....	6.82	
	For Up To 100, Add	4.12	
	For >100 To 200, Add	2.36	
	For >200 To 400, Add	1.12	
03 21 11 00-0064	LF #10, Grade 75, Columns, Steel Reinforcement Bar.....	8.37	
	For Up To 100, Add	4.16	
	For >100 To 200, Add	2.22	
	For >200 To 300, Add	1.11	
03 21 11 00-0065	LF #11, Grade 75, Columns, Steel Reinforcement Bar.....	10.02	
	For Up To 100, Add	5.04	
	For >100 To 200, Add	2.68	
	For >200 To 300, Add	1.34	
03 21 11 00-0066	LF #14, Grade 75, Columns, Steel Reinforcement Bar.....	13.97	
	For Up To 100, Add	7.12	
	For >100 To 200, Add	3.77	
	For >200 To 300, Add	1.89	
03 21 11 00-0067	LF #18, Grade 75, Columns, Steel Reinforcement Bar.....	23.98	
	For Up To 100, Add	12.40	
	For >100 To 200, Add	6.53	
	For >200 To 300, Add	3.27	
03 21 11 00-0068	LF #3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.93	
	For Up To 100, Add	0.65	
	For >100 To 200, Add	0.35	
	For >200 To 500, Add	0.14	
03 21 11 00-0069	LF #4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.61	
	For Up To 100, Add	1.15	
	For >100 To 200, Add	0.61	
	For >200 To 500, Add	0.25	
03 21 11 00-0070	LF #5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.41	
	For Up To 100, Add	1.75	
	For >100 To 200, Add	0.93	
	For >200 To 500, Add	0.37	
03 21 11 00-0071	LF #6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.36	
	For Up To 100, Add	2.48	
	For >100 To 200, Add	1.31	
	For >200 To 500, Add	0.53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0072 LF #7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.38	
For Up To 100, Add	2.56	
For >100 To 200, Add	1.48	
For >200 To 400, Add	0.70	
03 21 11 00-0073 LF #8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.47	
For Up To 100, Add	3.25	
For >100 To 200, Add	1.87	
For >200 To 400, Add	0.88	
03 21 11 00-0074 LF #9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.75	
For Up To 100, Add	4.07	
For >100 To 200, Add	2.33	
For >200 To 400, Add	1.10	
03 21 11 00-0075 LF #10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	8.28	
For Up To 100, Add	4.10	
For >100 To 200, Add	2.20	
For >200 To 300, Add	1.10	
03 21 11 00-0076 LF #11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	9.91	
For Up To 100, Add	4.97	
For >100 To 200, Add	2.65	
For >200 To 300, Add	1.32	
03 21 11 00-0077 LF #14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	13.81	
For Up To 100, Add	7.02	
For >100 To 200, Add	3.72	
For >200 To 300, Add	1.86	
03 21 11 00-0078 LF #18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	23.71	
For Up To 100, Add	12.23	
For >100 To 200, Add	6.45	
For >200 To 300, Add	3.22	
 03 21 11 00-0079 Footings, Steel Reinforcement Bar (03 21 11)		
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0080 LF #3, Grade 40, Footings, Steel Reinforcement Bar	0.76	
For Up To 100, Add	0.54	
For >100 To 200, Add	0.29	
For >200 To 500, Add	0.12	
03 21 11 00-0081 LF #4, Grade 40, Footings, Steel Reinforcement Bar	1.31	
For Up To 100, Add	0.95	
For >100 To 200, Add	0.51	
For >200 To 500, Add	0.20	
03 21 11 00-0082 LF #5, Grade 40, Footings, Steel Reinforcement Bar	1.97	
For Up To 100, Add	1.45	
For >100 To 200, Add	0.77	
For >200 To 500, Add	0.31	
03 21 11 00-0083 LF #6, Grade 40, Footings, Steel Reinforcement Bar	2.74	
For Up To 100, Add	2.06	
For >100 To 200, Add	1.09	
For >200 To 500, Add	0.43	
03 21 11 00-0084 LF #3, Grade 50, Footings, Steel Reinforcement Bar	0.78	
For Up To 100, Add	0.56	
For >100 To 200, Add	0.30	
For >200 To 500, Add	0.12	
03 21 11 00-0085 LF #4, Grade 50, Footings, Steel Reinforcement Bar	1.35	
For Up To 100, Add	0.99	
For >100 To 200, Add	0.53	
For >200 To 500, Add	0.21	
03 21 11 00-0086 LF #5, Grade 50, Footings, Steel Reinforcement Bar	2.02	
For Up To 100, Add	1.50	
For >100 To 200, Add	0.80	
For >200 To 500, Add	0.32	
03 21 11 00-0087 LF #6, Grade 50, Footings, Steel Reinforcement Bar	2.82	
For Up To 100, Add	2.14	
For >100 To 200, Add	1.13	
For >200 To 500, Add	0.45	
03 21 11 00-0088 LF #3, Grade 60, Footings, Steel Reinforcement Bar	0.81	
For Up To 100, Add	0.59	
For >100 To 200, Add	0.32	
For >200 To 500, Add	0.13	
03 21 11 00-0089 LF #4, Grade 60, Footings, Steel Reinforcement Bar	1.40	
For Up To 100, Add	1.04	
For >100 To 200, Add	0.55	
For >200 To 500, Add	0.22	
03 21 11 00-0090 LF #5, Grade 60, Footings, Steel Reinforcement Bar	2.11	
For Up To 100, Add	1.59	
For >100 To 200, Add	0.84	
For >200 To 500, Add	0.34	
03 21 11 00-0091 LF #6, Grade 60, Footings, Steel Reinforcement Bar	2.94	
For Up To 100, Add	2.26	
For >100 To 200, Add	1.19	
For >200 To 500, Add	0.47	
03 21 11 00-0092 LF #7, Grade 60, Footings, Steel Reinforcement Bar	3.84	
For Up To 100, Add	2.32	
For >100 To 200, Add	1.33	
For >200 To 400, Add	0.63	
03 21 11 00-0093 LF #8, Grade 60, Footings, Steel Reinforcement Bar	4.83	
For Up To 100, Add	2.97	
For >100 To 200, Add	1.69	
For >200 To 400, Add	0.80	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 11 00-0094	LF #9, Grade 60, Footings, Steel Reinforcement Bar	5.99	
	For Up To 100, Add	3.72	
	For >100 To 200, Add	2.11	
	For >200 To 400, Add	1.01	
03 21 11 00-0095	LF #10, Grade 60, Footings, Steel Reinforcement Bar	7.38	
	For Up To 100, Add	4.64	
	For >100 To 200, Add	2.62	
	For >200 To 400, Add	1.25	
	For Up To 100, Add	3.76	
	For >100 To 200, Add	1.99	
	For >200 To 300, Add	1.00	
03 21 11 00-0096	LF #11, Grade 60, Footings, Steel Reinforcement Bar	8.86	
	For Up To 100, Add	5.64	
	For >100 To 200, Add	3.17	
	For >200 To 400, Add	1.52	
	For Up To 100, Add	4.56	
	For >100 To 200, Add	2.41	
	For >200 To 300, Add	1.20	
03 21 11 00-0097	LF #14, Grade 60, Footings, Steel Reinforcement Bar	12.40	
	For Up To 100, Add	8.00	
	For >100 To 200, Add	4.47	
	For >200 To 400, Add	2.16	
	For Up To 100, Add	6.47	
	For >100 To 200, Add	3.40	
	For >200 To 300, Add	1.70	
03 21 11 00-0098	LF #18, Grade 60, Footings, Steel Reinforcement Bar	21.38	
	For Up To 100, Add	13.99	
	For >100 To 200, Add	7.78	
	For >200 To 400, Add	3.76	
	For Up To 100, Add	11.29	
	For >100 To 200, Add	5.90	
	For >200 To 300, Add	2.95	
03 21 11 00-0099	LF #6, Grade 75, Footings, Steel Reinforcement Bar	3.06	
	For Up To 100, Add	2.38	
	For >100 To 200, Add	1.25	
	For >200 To 500, Add	0.50	
	For Up To 100, Add	1.84	
	For >100 To 200, Add	1.05	
	For >200 To 400, Add	0.50	
03 21 11 00-0100	LF #7, Grade 75, Footings, Steel Reinforcement Bar	4.01	
	For Up To 100, Add	2.45	
	For >100 To 200, Add	1.39	
	For >200 To 400, Add	0.66	
03 21 11 00-0101	LF #8, Grade 75, Footings, Steel Reinforcement Bar	5.05	
	For Up To 100, Add	3.13	
	For >100 To 200, Add	1.77	
	For >200 To 400, Add	0.85	
03 21 11 00-0102	LF #9, Grade 75, Footings, Steel Reinforcement Bar	6.26	
	For Up To 100, Add	3.93	
	For >100 To 200, Add	2.22	
	For >200 To 400, Add	1.06	
03 21 11 00-0103	LF #10, Grade 75, Footings, Steel Reinforcement Bar	7.72	
	For Up To 100, Add	3.96	
	For >100 To 200, Add	2.09	
	For >200 To 300, Add	1.05	
03 21 11 00-0104	LF #11, Grade 75, Footings, Steel Reinforcement Bar	9.29	
	For Up To 100, Add	4.82	
	For >100 To 200, Add	2.54	
	For >200 To 300, Add	1.27	
03 21 11 00-0105	LF #14, Grade 75, Footings, Steel Reinforcement Bar	13.01	
	For Up To 100, Add	6.83	
	For >100 To 200, Add	3.58	
	For >200 To 300, Add	1.79	
03 21 11 00-0106	LF #18, Grade 75, Footings, Steel Reinforcement Bar	22.46	
	For Up To 100, Add	11.94	
	For >100 To 200, Add	6.23	
	For >200 To 300, Add	3.11	
03 21 11 00-0107	LF #3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.83	
	For Up To 100, Add	0.61	
	For >100 To 200, Add	0.33	
	For >200 To 500, Add	0.13	
03 21 11 00-0108	LF #4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.44	
	For Up To 100, Add	1.08	
	For >100 To 200, Add	0.57	
	For >200 To 500, Add	0.23	
03 21 11 00-0109	LF #5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.17	
	For Up To 100, Add	1.65	
	For >100 To 200, Add	0.87	
	For >200 To 500, Add	0.35	
03 21 11 00-0110	LF #6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.03	
	For Up To 100, Add	2.35	
	For >100 To 200, Add	1.23	
	For >200 To 500, Add	0.49	
03 21 11 00-0111	LF #7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.97	
	For Up To 100, Add	2.42	
	For >100 To 200, Add	1.38	
	For >200 To 400, Add	0.65	
03 21 11 00-0112	LF #8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.99	
	For Up To 100, Add	3.09	
	For >100 To 200, Add	1.75	
	For >200 To 400, Add	0.83	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0113 LF #9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	6.19	
For Up To 100, Add	3.87	
For >100 To 200, Add	2.19	
For >200 To 400, Add	1.05	
03 21 11 00-0114 LF #10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	7.63	
For Up To 100, Add	3.91	
For >100 To 200, Add	2.07	
For >200 To 300, Add	1.03	
03 21 11 00-0115 LF #11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	9.18	
For Up To 100, Add	4.76	
For >100 To 200, Add	2.50	
For >200 To 300, Add	1.25	
03 21 11 00-0116 LF #14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	12.85	
For Up To 100, Add	6.74	
For >100 To 200, Add	3.53	
For >200 To 300, Add	1.77	
03 21 11 00-0117 LF #18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	22.19	
For Up To 100, Add	11.78	
For >100 To 200, Add	6.15	
For >200 To 300, Add	3.07	
 03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar (03 21 11)		
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0119 LF #3, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	0.74	
For Up To 100, Add	0.54	
For >100 To 200, Add	0.29	
For >200 To 500, Add	0.11	
03 21 11 00-0120 LF #4, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	1.27	
For Up To 100, Add	0.93	
For >100 To 200, Add	0.50	
For >200 To 500, Add	0.20	
03 21 11 00-0121 LF #5, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	1.92	
For Up To 100, Add	1.43	
For >100 To 200, Add	0.76	
For >200 To 500, Add	0.30	
03 21 11 00-0122 LF #6, Grade 40, Slab On Grade, Steel Reinforcement Bar.....	2.66	
For Up To 100, Add	2.02	
For >100 To 200, Add	1.07	
For >200 To 500, Add	0.43	
03 21 11 00-0123 LF #3, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	0.76	
For Up To 100, Add	0.56	
For >100 To 200, Add	0.30	
For >200 To 500, Add	0.12	
03 21 11 00-0124 LF #4, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	1.31	
For Up To 100, Add	0.97	
For >100 To 200, Add	0.52	
For >200 To 500, Add	0.21	
03 21 11 00-0125 LF #5, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	1.97	
For Up To 100, Add	1.48	
For >100 To 200, Add	0.78	
For >200 To 500, Add	0.31	
03 21 11 00-0126 LF #6, Grade 50, Slab On Grade, Steel Reinforcement Bar.....	2.74	
For Up To 100, Add	2.10	
For >100 To 200, Add	1.11	
For >200 To 500, Add	0.44	
03 21 11 00-0127 LF #3, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	0.79	
For Up To 100, Add	0.59	
For >100 To 200, Add	0.31	
For >200 To 500, Add	0.12	
03 21 11 00-0128 LF #4, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	1.36	
For Up To 100, Add	1.02	
For >100 To 200, Add	0.54	
For >200 To 500, Add	0.22	
03 21 11 00-0129 LF #5, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	2.06	
For Up To 100, Add	1.57	
For >100 To 200, Add	0.83	
For >200 To 500, Add	0.33	
03 21 11 00-0130 LF #6, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	2.86	
For Up To 100, Add	2.22	
For >100 To 200, Add	1.17	
For >200 To 500, Add	0.47	
03 21 11 00-0131 LF #7, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	3.76	
For Up To 100, Add	2.29	
For >100 To 200, Add	1.31	
For >200 To 400, Add	0.62	
03 21 11 00-0132 LF #8, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	4.74	
For Up To 100, Add	2.94	
For >100 To 200, Add	1.66	
For >200 To 400, Add	0.79	
03 21 11 00-0133 LF #9, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	5.88	
For Up To 100, Add	3.69	
For >100 To 200, Add	2.08	
For >200 To 400, Add	1.00	
03 21 11 00-0134 LF #10, Grade 60, Slab On Grade, Steel Reinforcement Bar.....	7.25	
For Up To 100, Add	3.72	
For >100 To 200, Add	1.97	
For >200 To 300, Add	0.98	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 11 00-0135	LF #11, Grade 60, Slab On Grade, Steel Reinforcement Bar	8.71	
	For Up To 100, Add	4.52	
	For >100 To 200, Add	2.38	
	For >200 To 300, Add	1.19	
03 21 11 00-0136	LF #14, Grade 60, Slab On Grade, Steel Reinforcement Bar	12.20	
	For Up To 100, Add	6.41	
	For >100 To 200, Add	3.36	
	For >200 To 300, Add	1.68	
03 21 11 00-0137	LF #18, Grade 60, Slab On Grade, Steel Reinforcement Bar	21.09	
	For Up To 100, Add	11.21	
	For >100 To 200, Add	5.84	
	For >200 To 300, Add	2.92	
03 21 11 00-0138	LF #6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.98	
	For Up To 100, Add	2.34	
	For >100 To 200, Add	1.23	
	For >200 To 500, Add	0.49	
03 21 11 00-0139	LF #7, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.93	
	For Up To 100, Add	2.42	
	For >100 To 200, Add	1.37	
	For >200 To 400, Add	0.65	
03 21 11 00-0140	LF #8, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.96	
	For Up To 100, Add	3.10	
	For >100 To 200, Add	1.75	
	For >200 To 400, Add	0.84	
03 21 11 00-0141	LF #9, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.15	
	For Up To 100, Add	3.89	
	For >100 To 200, Add	2.19	
	For >200 To 400, Add	1.05	
03 21 11 00-0142	LF #10, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.59	
	For Up To 100, Add	3.92	
	For >100 To 200, Add	2.07	
	For >200 To 300, Add	1.03	
03 21 11 00-0143	LF #11, Grade 75, Slab On Grade, Steel Reinforcement Bar	9.14	
	For Up To 100, Add	4.78	
	For >100 To 200, Add	2.51	
	For >200 To 300, Add	1.25	
03 21 11 00-0144	LF #14, Grade 75, Slab On Grade, Steel Reinforcement Bar	12.81	
	For Up To 100, Add	6.77	
	For >100 To 200, Add	3.54	
	For >200 To 300, Add	1.77	
03 21 11 00-0145	LF #18, Grade 75, Slab On Grade, Steel Reinforcement Bar	22.17	
	For Up To 100, Add	11.85	
	For >100 To 200, Add	6.17	
	For >200 To 300, Add	3.08	
03 21 11 00-0146	LF #3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.81	
	For Up To 100, Add	0.61	
	For >100 To 200, Add	0.32	
	For >200 To 500, Add	0.13	
03 21 11 00-0147	LF #4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.40	
	For Up To 100, Add	1.06	
	For >100 To 200, Add	0.56	
	For >200 To 500, Add	0.22	
03 21 11 00-0148	LF #5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.12	
	For Up To 100, Add	1.63	
	For >100 To 200, Add	0.86	
	For >200 To 500, Add	0.34	
03 21 11 00-0149	LF #6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.95	
	For Up To 100, Add	2.31	
	For >100 To 200, Add	1.21	
	For >200 To 500, Add	0.48	
03 21 11 00-0150	LF #7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.89	
	For Up To 100, Add	2.39	
	For >100 To 200, Add	1.36	
	For >200 To 400, Add	0.65	
03 21 11 00-0151	LF #8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.90	
	For Up To 100, Add	3.06	
	For >100 To 200, Add	1.73	
	For >200 To 400, Add	0.83	
03 21 11 00-0152	LF #9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.08	
	For Up To 100, Add	3.84	
	For >100 To 200, Add	2.16	
	For >200 To 400, Add	1.04	
03 21 11 00-0153	LF #10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.50	
	For Up To 100, Add	3.87	
	For >100 To 200, Add	2.04	
	For >200 To 300, Add	1.02	
03 21 11 00-0154	LF #11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	9.03	
	For Up To 100, Add	4.71	
	For >100 To 200, Add	2.47	
	For >200 To 300, Add	1.24	
03 21 11 00-0155	LF #14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	12.65	
	For Up To 100, Add	6.68	
	For >100 To 200, Add	3.49	
	For >200 To 300, Add	1.75	
03 21 11 00-0156	LF #18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	21.90	
	For Up To 100, Add	11.69	
	For >100 To 200, Add	6.09	
	For >200 To 300, Add	3.04	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar (03 21 11)				
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.				
03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.70	
		For Up To 100, Add	0.52	
		For >100 To 200, Add	0.28	
		For >200 To 500, Add	0.11	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.20	
		For Up To 100, Add	0.91	
		For >100 To 200, Add	0.48	
		For >200 To 500, Add	0.19	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.82	
		For Up To 100, Add	1.39	
		For >100 To 200, Add	0.73	
		For >200 To 500, Add	0.29	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	2.53	
		For Up To 100, Add	1.97	
		For >100 To 200, Add	1.03	
		For >200 To 500, Add	0.41	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.72	
		For Up To 100, Add	0.54	
		For >100 To 200, Add	0.29	
		For >200 To 500, Add	0.11	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.24	
		For Up To 100, Add	0.95	
		For >100 To 200, Add	0.50	
		For >200 To 500, Add	0.20	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.87	
		For Up To 100, Add	1.44	
		For >100 To 200, Add	0.76	
		For >200 To 500, Add	0.30	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	2.61	
		For Up To 100, Add	2.05	
		For >100 To 200, Add	1.07	
		For >200 To 500, Add	0.43	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.75	
		For Up To 100, Add	0.57	
		For >100 To 200, Add	0.30	
		For >200 To 500, Add	0.12	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.29	
		For Up To 100, Add	1.00	
		For >100 To 200, Add	0.52	
		For >200 To 500, Add	0.21	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.96	
		For Up To 100, Add	1.53	
		For >100 To 200, Add	0.80	
		For >200 To 500, Add	0.32	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.73	
		For Up To 100, Add	2.17	
		For >100 To 200, Add	1.13	
		For >200 To 500, Add	0.45	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.60	
		For Up To 100, Add	2.24	
		For >100 To 200, Add	1.27	
		For >200 To 400, Add	0.60	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.54	
		For Up To 100, Add	2.87	
		For >100 To 200, Add	1.61	
		For >200 To 400, Add	0.77	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.66	
		For Up To 100, Add	3.61	
		For >100 To 200, Add	2.03	
		For >200 To 400, Add	0.97	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.99	
		For Up To 100, Add	3.64	
		For >100 To 200, Add	1.91	
		For >200 To 300, Add	0.96	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	8.41	
		For Up To 100, Add	4.43	
		For >100 To 200, Add	2.32	
		For >200 To 300, Add	1.16	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	11.82	
		For Up To 100, Add	6.29	
		For >100 To 200, Add	3.28	
		For >200 To 300, Add	1.64	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	20.49	
		For Up To 100, Add	11.03	
		For >100 To 200, Add	5.72	
		For >200 To 300, Add	2.86	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.85	
		For Up To 100, Add	2.29	
		For >100 To 200, Add	1.19	
		For >200 To 500, Add	0.48	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.77	
		For Up To 100, Add	2.36	
		For >100 To 200, Add	1.33	
		For >200 To 400, Add	0.64	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.76	
		For Up To 100, Add	3.03	
		For >100 To 200, Add	1.70	
		For >200 To 400, Add	0.82	

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 11 00-0180	LF #9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.93	
	For Up To 100, Add	3.81	
	For >100 To 200, Add	2.13	
	For >200 To 400, Add	1.03	
03 21 11 00-0181	LF #10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	7.33	
	For Up To 100, Add	3.85	
	For >100 To 200, Add	2.02	
	For >200 To 300, Add	1.01	
03 21 11 00-0182	LF #11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	8.84	
	For Up To 100, Add	4.69	
	For >100 To 200, Add	2.45	
	For >200 To 300, Add	1.22	
03 21 11 00-0183	LF #14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	12.43	
	For Up To 100, Add	6.66	
	For >100 To 200, Add	3.46	
	For >200 To 300, Add	1.73	
03 21 11 00-0184	LF #18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	21.57	
	For Up To 100, Add	11.67	
	For >100 To 200, Add	6.05	
	For >200 To 300, Add	3.02	
03 21 11 00-0185	LF #3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.77	
	For Up To 100, Add	0.59	
	For >100 To 200, Add	0.31	
	For >200 To 500, Add	0.12	
03 21 11 00-0186	LF #4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.33	
	For Up To 100, Add	1.04	
	For >100 To 200, Add	0.54	
	For >200 To 500, Add	0.22	
03 21 11 00-0187	LF #5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.02	
	For Up To 100, Add	1.59	
	For >100 To 200, Add	0.83	
	For >200 To 500, Add	0.33	
03 21 11 00-0188	LF #6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.82	
	For Up To 100, Add	2.26	
	For >100 To 200, Add	1.18	
	For >200 To 500, Add	0.47	
03 21 11 00-0189	LF #7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.73	
	For Up To 100, Add	2.33	
	For >100 To 200, Add	1.32	
	For >200 To 400, Add	0.63	
03 21 11 00-0190	LF #8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.70	
	For Up To 100, Add	2.99	
	For >100 To 200, Add	1.68	
	For >200 To 400, Add	0.81	
03 21 11 00-0191	LF #9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.86	
	For Up To 100, Add	3.76	
	For >100 To 200, Add	2.11	
	For >200 To 400, Add	1.01	
03 21 11 00-0192	LF #10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	7.24	
	For Up To 100, Add	3.79	
	For >100 To 200, Add	1.99	
	For >200 To 300, Add	0.99	
03 21 11 00-0193	LF #11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	8.73	
	For Up To 100, Add	4.62	
	For >100 To 200, Add	2.41	
	For >200 To 300, Add	1.21	
03 21 11 00-0194	LF #14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	12.27	
	For Up To 100, Add	6.56	
	For >100 To 200, Add	3.41	
	For >200 To 300, Add	1.71	
03 21 11 00-0195	LF #18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	21.30	
	For Up To 100, Add	11.51	
	For >100 To 200, Add	5.97	
	For >200 To 300, Add	2.98	

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

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

03 21 11 00-0197	LF #3, Grade 40, Walls, Steel Reinforcement Bar	0.68	
	For Up To 100, Add	0.51	
	For >100 To 200, Add	0.27	
	For >200 To 500, Add	0.11	
03 21 11 00-0198	LF #4, Grade 40, Walls, Steel Reinforcement Bar	1.16	
	For Up To 100, Add	0.89	
	For >100 To 200, Add	0.47	
	For >200 To 500, Add	0.19	
03 21 11 00-0199	LF #5, Grade 40, Walls, Steel Reinforcement Bar	1.76	
	For Up To 100, Add	1.37	
	For >100 To 200, Add	0.72	
	For >200 To 500, Add	0.29	
03 21 11 00-0200	LF #6, Grade 40, Walls, Steel Reinforcement Bar	2.46	
	For Up To 100, Add	1.94	
	For >100 To 200, Add	1.02	
	For >200 To 500, Add	0.41	
03 21 11 00-0201	LF #3, Grade 50, Walls, Steel Reinforcement Bar	0.70	
	For Up To 100, Add	0.53	
	For >100 To 200, Add	0.28	
	For >200 To 500, Add	0.11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0202 LF #4, Grade 50, Walls, Steel Reinforcement Bar	1.20	
For Up To 100, Add	0.93	
For >100 To 200, Add	0.49	
For >200 To 500, Add	0.20	
03 21 11 00-0203 LF #5, Grade 50, Walls, Steel Reinforcement Bar	1.81	
For Up To 100, Add	1.42	
For >100 To 200, Add	0.74	
For >200 To 500, Add	0.30	
03 21 11 00-0204 LF #6, Grade 50, Walls, Steel Reinforcement Bar	2.54	
For Up To 100, Add	2.02	
For >100 To 200, Add	1.06	
For >200 To 500, Add	0.42	
03 21 11 00-0205 LF #3, Grade 60, Walls, Steel Reinforcement Bar	0.73	
For Up To 100, Add	0.56	
For >100 To 200, Add	0.30	
For >200 To 500, Add	0.12	
03 21 11 00-0206 LF #4, Grade 60, Walls, Steel Reinforcement Bar	1.25	
For Up To 100, Add	0.98	
For >100 To 200, Add	0.51	
For >200 To 500, Add	0.21	
03 21 11 00-0207 LF #5, Grade 60, Walls, Steel Reinforcement Bar	1.90	
For Up To 100, Add	1.51	
For >100 To 200, Add	0.79	
For >200 To 500, Add	0.32	
03 21 11 00-0208 LF #6, Grade 60, Walls, Steel Reinforcement Bar	2.66	
For Up To 100, Add	2.14	
For >100 To 200, Add	1.12	
For >200 To 500, Add	0.45	
03 21 11 00-0209 LF #7, Grade 60, Walls, Steel Reinforcement Bar	3.50	
For Up To 100, Add	2.20	
For >100 To 200, Add	1.24	
For >200 To 400, Add	0.59	
03 21 11 00-0210 LF #8, Grade 60, Walls, Steel Reinforcement Bar	4.45	
For Up To 100, Add	2.83	
For >100 To 200, Add	1.59	
For >200 To 400, Add	0.76	
03 21 11 00-0211 LF #9, Grade 60, Walls, Steel Reinforcement Bar	5.55	
For Up To 100, Add	3.57	
For >100 To 200, Add	2.00	
For >200 To 400, Add	0.96	
03 21 11 00-0212 LF #10, Grade 60, Walls, Steel Reinforcement Bar	6.86	
For Up To 100, Add	3.60	
For >100 To 200, Add	1.89	
For >200 To 300, Add	0.94	
03 21 11 00-0213 LF #11, Grade 60, Walls, Steel Reinforcement Bar	8.27	
For Up To 100, Add	4.39	
For >100 To 200, Add	2.29	
For >200 To 300, Add	1.14	
03 21 11 00-0214 LF #14, Grade 60, Walls, Steel Reinforcement Bar	11.63	
For Up To 100, Add	6.23	
For >100 To 200, Add	3.24	
For >200 To 300, Add	1.62	
03 21 11 00-0215 LF #18, Grade 60, Walls, Steel Reinforcement Bar	20.19	
For Up To 100, Add	10.94	
For >100 To 200, Add	5.66	
For >200 To 300, Add	2.83	
03 21 11 00-0216 LF #6, Grade 75, Walls, Steel Reinforcement Bar	2.78	
For Up To 100, Add	2.26	
For >100 To 200, Add	1.18	
For >200 To 500, Add	0.47	
03 21 11 00-0217 LF #7, Grade 75, Walls, Steel Reinforcement Bar	3.67	
For Up To 100, Add	2.33	
For >100 To 200, Add	1.31	
For >200 To 400, Add	0.63	
03 21 11 00-0218 LF #8, Grade 75, Walls, Steel Reinforcement Bar	4.67	
For Up To 100, Add	3.00	
For >100 To 200, Add	1.68	
For >200 To 400, Add	0.81	
03 21 11 00-0219 LF #9, Grade 75, Walls, Steel Reinforcement Bar	5.82	
For Up To 100, Add	3.77	
For >100 To 200, Add	2.11	
For >200 To 400, Add	1.02	
03 21 11 00-0220 LF #10, Grade 75, Walls, Steel Reinforcement Bar	7.20	
For Up To 100, Add	3.81	
For >100 To 200, Add	1.99	
For >200 To 300, Add	0.99	
03 21 11 00-0221 LF #11, Grade 75, Walls, Steel Reinforcement Bar	8.70	
For Up To 100, Add	4.64	
For >100 To 200, Add	2.42	
For >200 To 300, Add	1.21	
03 21 11 00-0222 LF #14, Grade 75, Walls, Steel Reinforcement Bar	12.24	
For Up To 100, Add	6.60	
For >100 To 200, Add	3.42	
For >200 To 300, Add	1.71	
03 21 11 00-0223 LF #18, Grade 75, Walls, Steel Reinforcement Bar	21.27	
For Up To 100, Add	11.58	
For >100 To 200, Add	5.99	
For >200 To 300, Add	2.99	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
03 21 11 00-0224	LF #3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	0.75 0.58 0.31 0.12		
03 21 11 00-0225	LF #4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.29 1.02 0.53 0.21		
03 21 11 00-0226	LF #5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.96 1.57 0.82 0.33		
03 21 11 00-0227	LF #6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	2.75 2.23 1.16 0.46		
03 21 11 00-0228	LF #7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	3.63 2.30 1.29 0.62		
03 21 11 00-0229	LF #8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	4.61 2.95 1.66 0.80		
03 21 11 00-0230	LF #9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	5.75 3.72 2.08 1.00		
03 21 11 00-0231	LF #10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	7.11 3.75 1.96 0.98		
03 21 11 00-0232	LF #11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	8.59 4.58 2.39 1.19		
03 21 11 00-0233	LF #14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	12.08 6.50 3.38 1.69		
03 21 11 00-0234	LF #18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	21.00 11.42 5.91 2.95		
03 21 11 00-0235	Mechanical Joint Connection (03 21 11)			
03 21 11 00-0236	Thermal Type Mechanical Joint Connection (03 21 11 00-0235)			
03 21 11 00-0237	EA Thermal Type Mechanical Joint Connection, Add Per Splice	293.79		
03 21 11 00-0238	Screwed Type Mechanical Joint Connection (03 21 11 00-0235)			
03 21 11 00-0239	EA Screwed Type Mechanical Joint Connection, Add Per Splice.....	159.01		
03 21 11 00-0240	Deformed Straight Dowels (03 21 11) Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.			
03 21 11 00-0241	EA 3/8" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	3.65 -0.51 -0.26		
03 21 11 00-0242	EA 1/2" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	4.40 -0.67 -0.34		
03 21 11 00-0243	EA 5/8" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	5.51 -1.06 -0.53		
03 21 11 00-0244	EA 3/4" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	6.84 -1.53 -0.76		
03 21 11 00-0245	EA 7/8" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	8.25 -2.13 -1.06		
03 21 11 00-0246	EA 1" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	10.44 -2.73 -1.36		
03 21 11 00-0247	EA 1-1/8" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	12.38 -3.36 -1.68		
03 21 11 00-0248	EA 1-1/4" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	15.33 -4.40 -2.20		
03 21 11 00-0249	EA 1-3/8" Diameter x 24" Long, Deformed Straight Dowel For Up To 12" Length, Deduct For >12" To <24" Length, Deduct	18.31 -5.43 -2.71		
03 21 11 00-0250	Spirals, Reinforcing Steel (03 21 11)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel		3,708.82	
		For Grade 75, Add		141.73	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,665.16	
		For Grade 75, Add		141.73	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,631.87	
		For Grade 75, Add		141.73	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,577.40	
		For Grade 75, Add		141.73	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,503.76	
		For Grade 75, Add		141.73	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,477.40	
		For Grade 75, Add		145.22	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	.....	3,415.75	
		For Grade 75, Add		145.22	

03 21 13 Galvanized Reinforcement Steel Bars (03 21)

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	1.03	
		For Up To 100, Add		0.77	
		For >100 To 200, Add		0.41	
		For >200 To 500, Add		0.16	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	1.77	
		For Up To 100, Add		1.35	
		For >100 To 200, Add		0.71	
		For >200 To 500, Add		0.28	
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	2.69	
		For Up To 100, Add		2.08	
		For >100 To 200, Add		1.09	
		For >200 To 500, Add		0.44	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	3.75	
		For Up To 100, Add		2.95	
		For >100 To 200, Add		1.54	
		For >200 To 500, Add		0.62	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	1.05	
		For Up To 100, Add		0.79	
		For >100 To 200, Add		0.42	
		For >200 To 500, Add		0.17	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	1.81	
		For Up To 100, Add		1.39	
		For >100 To 200, Add		0.73	
		For >200 To 500, Add		0.29	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	2.74	
		For Up To 100, Add		2.13	
		For >100 To 200, Add		1.12	
		For >200 To 500, Add		0.45	
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	3.83	
		For Up To 100, Add		3.03	
		For >100 To 200, Add		1.58	
		For >200 To 500, Add		0.63	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	1.08	
		For Up To 100, Add		0.82	
		For >100 To 200, Add		0.43	
		For >200 To 500, Add		0.17	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	1.86	
		For Up To 100, Add		1.44	
		For >100 To 200, Add		0.76	
		For >200 To 500, Add		0.30	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	2.82	
		For Up To 100, Add		2.21	
		For >100 To 200, Add		1.16	
		For >200 To 500, Add		0.46	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	3.95	
		For Up To 100, Add		3.15	
		For >100 To 200, Add		1.64	
		For >200 To 500, Add		0.66	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	5.20	
		For Up To 100, Add		3.24	
		For >100 To 200, Add		1.83	
		For >200 To 400, Add		0.88	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	6.58	
		For Up To 100, Add		4.16	
		For >100 To 200, Add		2.34	
		For >200 To 400, Add		1.12	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	8.18	
		For Up To 100, Add		5.23	
		For >100 To 200, Add		2.93	
		For >200 To 400, Add		1.41	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	10.12	
		For Up To 100, Add		5.28	
		For >100 To 200, Add		2.77	
		For >200 To 300, Add		1.39	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	.....	12.19	
		For Up To 100, Add		6.43	
		For >100 To 200, Add		3.36	
		For >200 To 300, Add		1.68	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 13 00-0019	LF #14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	17.13
	For Up To 100, Add	9.13
	For >100 To 200, Add	4.76
	For >200 To 300, Add	2.38
03 21 13 00-0020	LF #18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	29.70
	For Up To 100, Add	16.01
	For >100 To 200, Add	8.31
	For >200 To 300, Add	4.15
03 21 13 00-0021	LF #6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.07
	For Up To 100, Add	3.27
	For >100 To 200, Add	1.70
	For >200 To 500, Add	0.68
03 21 13 00-0022	LF #7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.36
	For Up To 100, Add	3.36
	For >100 To 200, Add	1.90
	For >200 To 400, Add	0.91
03 21 13 00-0023	LF #8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.79
	For Up To 100, Add	4.32
	For >100 To 200, Add	2.43
	For >200 To 400, Add	1.17
03 21 13 00-0024	LF #9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.45
	For Up To 100, Add	5.43
	For >100 To 200, Add	3.04
	For >200 To 400, Add	1.46
03 21 13 00-0025	LF #10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	10.46
	For Up To 100, Add	5.49
	For >100 To 200, Add	2.88
	For >200 To 300, Add	1.44
03 21 13 00-0026	LF #11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	12.62
	For Up To 100, Add	6.69
	For >100 To 200, Add	3.49
	For >200 To 300, Add	1.75
03 21 13 00-0027	LF #14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	17.74
	For Up To 100, Add	9.50
	For >100 To 200, Add	4.94
	For >200 To 300, Add	2.47
03 21 13 00-0028	LF #18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	30.78
	For Up To 100, Add	16.66
	For >100 To 200, Add	8.63
	For >200 To 300, Add	4.32

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

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF #3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.06
	For Up To 100, Add	0.78
	For >100 To 200, Add	0.42
	For >200 To 500, Add	0.17
03 21 13 00-0031	LF #4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.84
	For Up To 100, Add	1.38
	For >100 To 200, Add	0.73
	For >200 To 500, Add	0.29
03 21 13 00-0032	LF #5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.78
	For Up To 100, Add	2.12
	For >100 To 200, Add	1.12
	For >200 To 500, Add	0.45
03 21 13 00-0033	LF #6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	3.88
	For Up To 100, Add	3.00
	For >100 To 200, Add	1.57
	For >200 To 500, Add	0.63
03 21 13 00-0034	LF #3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.08
	For Up To 100, Add	0.80
	For >100 To 200, Add	0.43
	For >200 To 500, Add	0.17
03 21 13 00-0035	LF #4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.88
	For Up To 100, Add	1.42
	For >100 To 200, Add	0.75
	For >200 To 500, Add	0.30
03 21 13 00-0036	LF #5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.83
	For Up To 100, Add	2.17
	For >100 To 200, Add	1.14
	For >200 To 500, Add	0.46
03 21 13 00-0037	LF #6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	3.96
	For Up To 100, Add	3.08
	For >100 To 200, Add	1.61
	For >200 To 500, Add	0.65
03 21 13 00-0038	LF #3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.11
	For Up To 100, Add	0.83
	For >100 To 200, Add	0.44
	For >200 To 500, Add	0.18
03 21 13 00-0039	LF #4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.93
	For Up To 100, Add	1.47
	For >100 To 200, Add	0.77
	For >200 To 500, Add	0.31
03 21 13 00-0040	LF #5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.91
	For Up To 100, Add	2.25
	For >100 To 200, Add	1.18
	For >200 To 500, Add	0.47

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	4.08	
		For Up To 100, Add	3.20	
		For >100 To 200, Add	1.67	
		For >200 To 500, Add	0.67	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	5.37	
		For Up To 100, Add	3.30	
		For >100 To 200, Add	1.88	
		For >200 To 400, Add	0.89	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	6.77	
		For Up To 100, Add	4.23	
		For >100 To 200, Add	2.39	
		For >200 To 400, Add	1.14	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	8.40	
		For Up To 100, Add	5.31	
		For >100 To 200, Add	2.99	
		For >200 To 400, Add	1.43	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	10.37	
		For Up To 100, Add	5.36	
		For >100 To 200, Add	2.82	
		For >200 To 300, Add	1.41	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	12.48	
		For Up To 100, Add	6.52	
		For >100 To 200, Add	3.42	
		For >200 To 300, Add	1.71	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	17.52	
		For Up To 100, Add	9.25	
		For >100 To 200, Add	4.84	
		For >200 To 300, Add	2.42	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	30.30	
		For Up To 100, Add	16.19	
		For >100 To 200, Add	8.43	
		For >200 To 300, Add	4.21	
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	4.20	
		For Up To 100, Add	3.32	
		For >100 To 200, Add	1.73	
		For >200 To 500, Add	0.69	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	5.53	
		For Up To 100, Add	3.42	
		For >100 To 200, Add	1.94	
		For >200 To 400, Add	0.93	
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	6.98	
		For Up To 100, Add	4.39	
		For >100 To 200, Add	2.47	
		For >200 To 400, Add	1.18	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	8.67	
		For Up To 100, Add	5.51	
		For >100 To 200, Add	3.10	
		For >200 To 400, Add	1.49	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	10.71	
		For Up To 100, Add	5.56	
		For >100 To 200, Add	2.93	
		For >200 To 300, Add	1.46	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	12.91	
		For Up To 100, Add	6.77	
		For >100 To 200, Add	3.55	
		For >200 To 300, Add	1.77	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	18.13	
		For Up To 100, Add	9.62	
		For >100 To 200, Add	5.02	
		For >200 To 300, Add	2.51	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	31.38	
		For Up To 100, Add	16.84	
		For >100 To 200, Add	8.75	
		For >200 To 300, Add	4.38	
03 21 13 00-0057		Footings, Galvanized Steel Reinforcement Bar (03 21 13)		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	0.96	
		For Up To 100, Add	0.74	
		For >100 To 200, Add	0.39	
		For >200 To 500, Add	0.16	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	1.67	
		For Up To 100, Add	1.31	
		For >100 To 200, Add	0.69	
		For >200 To 500, Add	0.27	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	2.54	
		For Up To 100, Add	2.02	
		For >100 To 200, Add	1.06	
		For >200 To 500, Add	0.42	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	3.55	
		For Up To 100, Add	2.87	
		For >100 To 200, Add	1.49	
		For >200 To 500, Add	0.60	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar.....	0.98	
		For Up To 100, Add	0.76	
		For >100 To 200, Add	0.40	
		For >200 To 500, Add	0.16	

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
03 21 13 00-0063	LF #4, Grade 50, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.71 1.35 0.71 0.28		
03 21 13 00-0064	LF #5, Grade 50, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	2.59 2.07 1.08 0.43		
03 21 13 00-0065	LF #6, Grade 50, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	3.63 2.95 1.53 0.61		
03 21 13 00-0066	LF #3, Grade 60, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.01 0.79 0.42 0.17		
03 21 13 00-0067	LF #4, Grade 60, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.76 1.40 0.73 0.29		
03 21 13 00-0068	LF #5, Grade 60, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	2.67 2.15 1.12 0.45		
03 21 13 00-0069	LF #6, Grade 60, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	3.75 3.07 1.59 0.64		
03 21 13 00-0070	LF #7, Grade 60, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	4.96 3.16 1.77 0.85		
03 21 13 00-0071	LF #8, Grade 60, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	6.29 4.06 2.27 1.09		
03 21 13 00-0072	LF #9, Grade 60, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	7.84 5.11 2.85 1.38		
03 21 13 00-0073	LF #10, Grade 60, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	9.72 5.16 2.69 1.35		
03 21 13 00-0074	LF #11, Grade 60, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	11.75 6.30 3.27 1.64		
03 21 13 00-0075	LF #14, Grade 60, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	16.56 8.96 4.64 2.32		
03 21 13 00-0076	LF #18, Grade 60, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	28.78 15.73 8.12 4.06		
03 21 13 00-0077	LF #6, Grade 75, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	3.87 3.19 1.65 0.66		
03 21 13 00-0078	LF #7, Grade 75, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	5.12 3.28 1.84 0.88		
03 21 13 00-0079	LF #8, Grade 75, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	6.50 4.22 2.35 1.14		
03 21 13 00-0080	LF #9, Grade 75, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	8.11 5.31 2.96 1.43		
03 21 13 00-0081	LF #10, Grade 75, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	10.06 5.37 2.80 1.40		
03 21 13 00-0082	LF #11, Grade 75, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	12.18 6.56 3.40 1.70		
03 21 13 00-0083	LF #14, Grade 75, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	17.17 9.33 4.83 2.41		
03 21 13 00-0084	LF #18, Grade 75, Footings, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	29.86 16.38 8.45 4.22		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

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

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.94	
		For Up To 100, Add	0.74	
		For >100 To 200, Add	0.39	
		For >200 To 500, Add	0.15	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.63	
		For Up To 100, Add	1.29	
		For >100 To 200, Add	0.68	
		For >200 To 500, Add	0.27	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.49	
		For Up To 100, Add	2.00	
		For >100 To 200, Add	1.04	
		For >200 To 500, Add	0.42	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	3.47	
		For Up To 100, Add	2.83	
		For >100 To 200, Add	1.47	
		For >200 To 500, Add	0.59	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.96	
		For Up To 100, Add	0.76	
		For >100 To 200, Add	0.40	
		For >200 To 500, Add	0.16	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.67	
		For Up To 100, Add	1.33	
		For >100 To 200, Add	0.70	
		For >200 To 500, Add	0.28	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.54	
		For Up To 100, Add	2.05	
		For >100 To 200, Add	1.07	
		For >200 To 500, Add	0.43	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	3.55	
		For Up To 100, Add	2.91	
		For >100 To 200, Add	1.51	
		For >200 To 500, Add	0.60	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.99	
		For Up To 100, Add	0.79	
		For >100 To 200, Add	0.41	
		For >200 To 500, Add	0.16	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.72	
		For Up To 100, Add	1.38	
		For >100 To 200, Add	0.72	
		For >200 To 500, Add	0.29	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.62	
		For Up To 100, Add	2.13	
		For >100 To 200, Add	1.11	
		For >200 To 500, Add	0.44	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.67	
		For Up To 100, Add	3.03	
		For >100 To 200, Add	1.57	
		For >200 To 500, Add	0.63	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.88	
		For Up To 100, Add	3.13	
		For >100 To 200, Add	1.75	
		For >200 To 400, Add	0.84	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.20	
		For Up To 100, Add	4.03	
		For >100 To 200, Add	2.25	
		For >200 To 400, Add	1.09	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.73	
		For Up To 100, Add	5.07	
		For >100 To 200, Add	2.82	
		For >200 To 400, Add	1.37	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	9.59	
		For Up To 100, Add	5.12	
		For >100 To 200, Add	2.67	
		For >200 To 300, Add	1.33	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	11.60	
		For Up To 100, Add	6.25	
		For >100 To 200, Add	3.24	
		For >200 To 300, Add	1.62	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	16.36	
		For Up To 100, Add	8.90	
		For >100 To 200, Add	4.60	
		For >200 To 300, Add	2.30	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	28.49	
		For Up To 100, Add	15.65	
		For >100 To 200, Add	8.06	
		For >200 To 300, Add	4.03	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.79	
		For Up To 100, Add	3.15	
		For >100 To 200, Add	1.63	
		For >200 To 500, Add	0.65	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.04	
		For Up To 100, Add	3.25	
		For >100 To 200, Add	1.82	
		For >200 To 400, Add	0.88	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.41	
		For Up To 100, Add	4.19	
		For >100 To 200, Add	2.33	
		For >200 To 400, Add	1.13	

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.00	
		For Up To 100, Add	5.28	
		For >100 To 200, Add	2.93	
		For >200 To 400, Add	1.42	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.93	
		For Up To 100, Add	5.33	
		For >100 To 200, Add	2.77	
		For >200 To 300, Add	1.38	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	12.03	
		For Up To 100, Add	6.51	
		For >100 To 200, Add	3.37	
		For >200 To 300, Add	1.69	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	16.97	
		For Up To 100, Add	9.27	
		For >100 To 200, Add	4.79	
		For >200 To 300, Add	2.39	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	29.57	
		For Up To 100, Add	16.29	
		For >100 To 200, Add	8.39	
		For >200 To 300, Add	4.19	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.90	
		For Up To 100, Add	0.72	
		For >100 To 200, Add	0.38	
		For >200 To 500, Add	0.15	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.56	
		For Up To 100, Add	1.27	
		For >100 To 200, Add	0.66	
		For >200 To 500, Add	0.26	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.39	
		For Up To 100, Add	1.96	
		For >100 To 200, Add	1.02	
		For >200 To 500, Add	0.41	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.34	
		For Up To 100, Add	2.78	
		For >100 To 200, Add	1.44	
		For >200 To 500, Add	0.58	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.92	
		For Up To 100, Add	0.74	
		For >100 To 200, Add	0.39	
		For >200 To 500, Add	0.15	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.60	
		For Up To 100, Add	1.31	
		For >100 To 200, Add	0.68	
		For >200 To 500, Add	0.27	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.44	
		For Up To 100, Add	2.01	
		For >100 To 200, Add	1.04	
		For >200 To 500, Add	0.42	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.42	
		For Up To 100, Add	2.86	
		For >100 To 200, Add	1.48	
		For >200 To 500, Add	0.59	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.95	
		For Up To 100, Add	0.77	
		For >100 To 200, Add	0.40	
		For >200 To 500, Add	0.16	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.65	
		For Up To 100, Add	1.36	
		For >100 To 200, Add	0.70	
		For >200 To 500, Add	0.28	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.52	
		For Up To 100, Add	2.09	
		For >100 To 200, Add	1.08	
		For >200 To 500, Add	0.43	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.54	
		For Up To 100, Add	2.98	
		For >100 To 200, Add	1.54	
		For >200 To 500, Add	0.62	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.72	
		For Up To 100, Add	3.08	
		For >100 To 200, Add	1.71	
		For >200 To 400, Add	0.83	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.00	
		For Up To 100, Add	3.96	
		For >100 To 200, Add	2.20	
		For >200 To 400, Add	1.07	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.51	
		For Up To 100, Add	5.00	
		For >100 To 200, Add	2.77	
		For >200 To 400, Add	1.34	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.33	
		For Up To 100, Add	5.05	
		For >100 To 200, Add	2.62	
		For >200 To 300, Add	1.31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0130 LF #11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	11.30 6.16 3.18 1.59	
03 21 13 00-0131 LF #14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	15.98 8.79 4.53 2.26	
03 21 13 00-0132 LF #18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	27.89 15.47 7.94 3.97	
03 21 13 00-0133 LF #6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	3.66 3.10 1.60 0.64	
03 21 13 00-0134 LF #7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	4.88 3.20 1.78 0.86	
03 21 13 00-0135 LF #8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	6.21 4.12 2.28 1.11	
03 21 13 00-0136 LF #9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	7.78 5.20 2.87 1.40	
03 21 13 00-0137 LF #10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	9.67 5.25 2.72 1.36	
03 21 13 00-0138 LF #11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	11.73 6.42 3.31 1.66	
03 21 13 00-0139 LF #14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	16.59 9.15 4.71 2.36	
03 21 13 00-0140 LF #18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	28.97 16.11 8.27 4.13	
03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar (03 21 13)		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0142 LF #3, Grade 40, Walls, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	0.88 0.71 0.37 0.15	
03 21 13 00-0143 LF #4, Grade 40, Walls, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.52 1.25 0.65 0.26	
03 21 13 00-0144 LF #5, Grade 40, Walls, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	2.33 1.94 1.00 0.40	
03 21 13 00-0145 LF #6, Grade 40, Walls, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	3.27 2.75 1.42 0.57	
03 21 13 00-0146 LF #3, Grade 50, Walls, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	0.90 0.73 0.38 0.15	
03 21 13 00-0147 LF #4, Grade 50, Walls, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.56 1.29 0.67 0.27	
03 21 13 00-0148 LF #5, Grade 50, Walls, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	2.38 1.99 1.03 0.41	
03 21 13 00-0149 LF #6, Grade 50, Walls, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	3.35 2.83 1.46 0.58	
03 21 13 00-0150 LF #3, Grade 60, Walls, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	0.93 0.76 0.40 0.16	
03 21 13 00-0151 LF #4, Grade 60, Walls, Galvanized Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	1.61 1.34 0.69 0.28	

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.46	
		For Up To 100, Add	2.07	
		For >100 To 200, Add	1.07	
		For >200 To 500, Add	0.43	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.47	
		For Up To 100, Add	2.95	
		For >100 To 200, Add	1.52	
		For >200 To 500, Add	0.61	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.62	
		For Up To 100, Add	3.04	
		For >100 To 200, Add	1.69	
		For >200 To 400, Add	0.82	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.91	
		For Up To 100, Add	3.93	
		For >100 To 200, Add	2.18	
		For >200 To 400, Add	1.06	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.40	
		For Up To 100, Add	4.96	
		For >100 To 200, Add	2.74	
		For >200 To 400, Add	1.33	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	9.20	
		For Up To 100, Add	5.01	
		For >100 To 200, Add	2.59	
		For >200 To 300, Add	1.29	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	11.16	
		For Up To 100, Add	6.12	
		For >100 To 200, Add	3.16	
		For >200 To 300, Add	1.58	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	15.79	
		For Up To 100, Add	8.73	
		For >100 To 200, Add	4.49	
		For >200 To 300, Add	2.24	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	27.59	
		For Up To 100, Add	15.38	
		For >100 To 200, Add	7.88	
		For >200 To 300, Add	3.94	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.59	
		For Up To 100, Add	3.07	
		For >100 To 200, Add	1.58	
		For >200 To 500, Add	0.63	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.78	
		For Up To 100, Add	3.16	
		For >100 To 200, Add	1.75	
		For >200 To 400, Add	0.85	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	6.12	
		For Up To 100, Add	4.09	
		For >100 To 200, Add	2.26	
		For >200 To 400, Add	1.10	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.67	
		For Up To 100, Add	5.16	
		For >100 To 200, Add	2.85	
		For >200 To 400, Add	1.39	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	9.54	
		For Up To 100, Add	5.21	
		For >100 To 200, Add	2.69	
		For >200 To 300, Add	1.35	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	11.59	
		For Up To 100, Add	6.38	
		For >100 To 200, Add	3.29	
		For >200 To 300, Add	1.64	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	16.40	
		For Up To 100, Add	9.10	
		For >100 To 200, Add	4.67	
		For >200 To 300, Add	2.34	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	28.67	
		For Up To 100, Add	16.02	
		For >100 To 200, Add	8.21	
		For >200 To 300, Add	4.10	

03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)**03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar (03 21 16)**

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.01	
		For Up To 100, Add	0.75	
		For >100 To 200, Add	0.40	
		For >200 To 500, Add	0.16	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.73	
		For Up To 100, Add	1.31	
		For >100 To 200, Add	0.69	
		For >200 To 500, Add	0.28	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.62	
		For Up To 100, Add	2.01	
		For >100 To 200, Add	1.06	
		For >200 To 500, Add	0.42	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.66	
		For Up To 100, Add	2.86	
		For >100 To 200, Add	1.50	
		For >200 To 500, Add	0.60	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0006 LF #3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....1.03 For Up To 100, Add 0.77 For >100 To 200, Add 0.41 For >200 To 500, Add 0.16		
03 21 16 00-0007 LF #4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....1.77 For Up To 100, Add 1.35 For >100 To 200, Add 0.71 For >200 To 500, Add 0.28		
03 21 16 00-0008 LF #5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....2.68 For Up To 100, Add 2.07 For >100 To 200, Add 1.09 For >200 To 500, Add 0.44		
03 21 16 00-0009 LF #6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....3.74 For Up To 100, Add 2.94 For >100 To 200, Add 1.54 For >200 To 500, Add 0.61		
03 21 16 00-0010 LF #3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....1.06 For Up To 100, Add 0.80 For >100 To 200, Add 0.42 For >200 To 500, Add 0.17		
03 21 16 00-0011 LF #4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....1.82 For Up To 100, Add 1.40 For >100 To 200, Add 0.74 For >200 To 500, Add 0.29		
03 21 16 00-0012 LF #5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....2.76 For Up To 100, Add 2.15 For >100 To 200, Add 1.13 For >200 To 500, Add 0.45		
03 21 16 00-0013 LF #6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....3.86 For Up To 100, Add 3.06 For >100 To 200, Add 1.60 For >200 To 500, Add 0.64		
03 21 16 00-0014 LF #7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....5.08 For Up To 100, Add 3.15 For >100 To 200, Add 1.79 For >200 To 400, Add 0.85		
03 21 16 00-0015 LF #8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....6.42 For Up To 100, Add 4.04 For >100 To 200, Add 2.28 For >200 To 400, Add 1.09		
03 21 16 00-0016 LF #9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....7.97 For Up To 100, Add 5.07 For >100 To 200, Add 2.85 For >200 To 400, Add 1.37		
03 21 16 00-0017 LF #10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....9.86 For Up To 100, Add 5.13 For >100 To 200, Add 2.70 For >200 To 300, Add 1.35		
03 21 16 00-0018 LF #11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....11.88 For Up To 100, Add 6.24 For >100 To 200, Add 3.27 For >200 To 300, Add 1.63		
03 21 16 00-0019 LF #14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....16.68 For Up To 100, Add 8.86 For >100 To 200, Add 4.62 For >200 To 300, Add 2.31		
03 21 16 00-0020 LF #18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....28.90 For Up To 100, Add 15.53 For >100 To 200, Add 8.07 For >200 To 300, Add 4.03		
03 21 16 00-0021 LF #6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....3.98 For Up To 100, Add 3.18 For >100 To 200, Add 1.66 For >200 To 500, Add 0.66		
03 21 16 00-0022 LF #7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....5.24 For Up To 100, Add 3.27 For >100 To 200, Add 1.85 For >200 To 400, Add 0.88		
03 21 16 00-0023 LF #8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....6.63 For Up To 100, Add 4.20 For >100 To 200, Add 2.36 For >200 To 400, Add 1.13		
03 21 16 00-0024 LF #9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....8.24 For Up To 100, Add 5.28 For >100 To 200, Add 2.96 For >200 To 400, Add 1.42		
03 21 16 00-0025 LF #10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....10.20 For Up To 100, Add 5.33 For >100 To 200, Add 2.80 For >200 To 300, Add 1.40		
03 21 16 00-0026 LF #11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....12.30 For Up To 100, Add 6.50 For >100 To 200, Add 3.40 For >200 To 300, Add 1.70		
03 21 16 00-0027 LF #14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....17.28 For Up To 100, Add 9.22 For >100 To 200, Add 4.80 For >200 To 300, Add 2.40		

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 16 00-0028	LF #18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	29.98
	For Up To 100, Add	16.18
	For >100 To 200, Add	8.39
	For >200 To 300, Add	4.20

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF #3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.04
	For Up To 100, Add	0.76
	For >100 To 200, Add	0.41
	For >200 To 500, Add	0.16
03 21 16 00-0031	LF #4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.80
	For Up To 100, Add	1.34
	For >100 To 200, Add	0.71
	For >200 To 500, Add	0.28
03 21 16 00-0032	LF #5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.71
	For Up To 100, Add	2.05
	For >100 To 200, Add	1.08
	For >200 To 500, Add	0.43
03 21 16 00-0033	LF #6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.79
	For Up To 100, Add	2.91
	For >100 To 200, Add	1.53
	For >200 To 500, Add	0.61
03 21 16 00-0034	LF #3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.06
	For Up To 100, Add	0.78
	For >100 To 200, Add	0.42
	For >200 To 500, Add	0.17
03 21 16 00-0035	LF #4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.84
	For Up To 100, Add	1.38
	For >100 To 200, Add	0.73
	For >200 To 500, Add	0.29
03 21 16 00-0036	LF #5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.77
	For Up To 100, Add	2.11
	For >100 To 200, Add	1.11
	For >200 To 500, Add	0.44
03 21 16 00-0037	LF #6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.87
	For Up To 100, Add	2.99
	For >100 To 200, Add	1.57
	For >200 To 500, Add	0.63
03 21 16 00-0038	LF #3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.09
	For Up To 100, Add	0.81
	For >100 To 200, Add	0.43
	For >200 To 500, Add	0.17
03 21 16 00-0039	LF #4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.89
	For Up To 100, Add	1.43
	For >100 To 200, Add	0.75
	For >200 To 500, Add	0.30
03 21 16 00-0040	LF #5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.85
	For Up To 100, Add	2.19
	For >100 To 200, Add	1.15
	For >200 To 500, Add	0.46
03 21 16 00-0041	LF #6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.99
	For Up To 100, Add	3.11
	For >100 To 200, Add	1.63
	For >200 To 500, Add	0.65
03 21 16 00-0042	LF #7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.25
	For Up To 100, Add	3.21
	For >100 To 200, Add	1.83
	For >200 To 400, Add	0.87
03 21 16 00-0043	LF #8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.61
	For Up To 100, Add	4.11
	For >100 To 200, Add	2.33
	For >200 To 400, Add	1.11
03 21 16 00-0044	LF #9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.19
	For Up To 100, Add	5.15
	For >100 To 200, Add	2.90
	For >200 To 400, Add	1.39
03 21 16 00-0045	LF #10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	10.11
	For Up To 100, Add	5.20
	For >100 To 200, Add	2.75
	For >200 To 300, Add	1.37
03 21 16 00-0046	LF #11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	12.17
	For Up To 100, Add	6.33
	For >100 To 200, Add	3.33
	For >200 To 300, Add	1.66
03 21 16 00-0047	LF #14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	17.07
	For Up To 100, Add	8.98
	For >100 To 200, Add	4.70
	For >200 To 300, Add	2.35
03 21 16 00-0048	LF #18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	29.50
	For Up To 100, Add	15.71
	For >100 To 200, Add	8.19
	For >200 To 300, Add	4.09
03 21 16 00-0049	LF #6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.11
	For Up To 100, Add	3.23
	For >100 To 200, Add	1.69
	For >200 To 500, Add	0.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	5.41	
		For Up To 100, Add		3.33	
		For >100 To 200, Add		1.89	
		For >200 To 400, Add		0.90	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	6.82	
		For Up To 100, Add		4.27	
		For >100 To 200, Add		2.41	
		For >200 To 400, Add		1.15	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	8.46	
		For Up To 100, Add		5.35	
		For >100 To 200, Add		3.01	
		For >200 To 400, Add		1.44	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	10.45	
		For Up To 100, Add		5.41	
		For >100 To 200, Add		2.85	
		For >200 To 300, Add		1.42	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	12.59	
		For Up To 100, Add		6.58	
		For >100 To 200, Add		3.45	
		For >200 To 300, Add		1.73	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	17.67	
		For Up To 100, Add		9.34	
		For >100 To 200, Add		4.88	
		For >200 To 300, Add		2.44	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	.....	30.58	
		For Up To 100, Add		16.36	
		For >100 To 200, Add		8.51	
		For >200 To 300, Add		4.26	
03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)					
Note: ASTM A-775 Epoxy Coated Steel.					
03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....	0.94	
		For Up To 100, Add		0.72	
		For >100 To 200, Add		0.38	
		For >200 To 500, Add		0.15	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....	1.63	
		For Up To 100, Add		1.27	
		For >100 To 200, Add		0.67	
		For >200 To 500, Add		0.27	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.47	
		For Up To 100, Add		1.95	
		For >100 To 200, Add		1.02	
		For >200 To 500, Add		0.41	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	.....	3.46	
		For Up To 100, Add		2.78	
		For >100 To 200, Add		1.45	
		For >200 To 500, Add		0.58	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....	0.96	
		For Up To 100, Add		0.74	
		For >100 To 200, Add		0.39	
		For >200 To 500, Add		0.16	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....	1.67	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.53	
		For Up To 100, Add		2.01	
		For >100 To 200, Add		1.05	
		For >200 To 500, Add		0.42	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	.....	3.54	
		For Up To 100, Add		2.86	
		For >100 To 200, Add		1.49	
		For >200 To 500, Add		0.59	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	0.99	
		For Up To 100, Add		0.77	
		For >100 To 200, Add		0.41	
		For >200 To 500, Add		0.16	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	1.72	
		For Up To 100, Add		1.36	
		For >100 To 200, Add		0.71	
		For >200 To 500, Add		0.28	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	2.61	
		For Up To 100, Add		2.09	
		For >100 To 200, Add		1.09	
		For >200 To 500, Add		0.44	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	3.66	
		For Up To 100, Add		2.98	
		For >100 To 200, Add		1.55	
		For >200 To 500, Add		0.62	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	4.84	
		For Up To 100, Add		3.07	
		For >100 To 200, Add		1.73	
		For >200 To 400, Add		0.83	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	6.13	
		For Up To 100, Add		3.94	
		For >100 To 200, Add		2.21	
		For >200 To 400, Add		1.06	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	.....	7.63	
		For Up To 100, Add		4.95	
		For >100 To 200, Add		2.76	
		For >200 To 400, Add		1.33	

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	9.46	
		For Up To 100, Add	5.01	
		For >100 To 200, Add	2.62	
		For >200 To 300, Add	1.31	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	11.44	
		For Up To 100, Add	6.11	
		For >100 To 200, Add	3.18	
		For >200 To 300, Add	1.59	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	16.11	
		For Up To 100, Add	8.69	
		For >100 To 200, Add	4.51	
		For >200 To 300, Add	2.25	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	27.98	
		For Up To 100, Add	15.25	
		For >100 To 200, Add	7.88	
		For >200 To 300, Add	3.94	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.78	
		For Up To 100, Add	3.10	
		For >100 To 200, Add	1.61	
		For >200 To 500, Add	0.64	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	5.00	
		For Up To 100, Add	3.19	
		For >100 To 200, Add	1.79	
		For >200 To 400, Add	0.86	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	6.34	
		For Up To 100, Add	4.10	
		For >100 To 200, Add	2.29	
		For >200 To 400, Add	1.10	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	7.90	
		For Up To 100, Add	5.16	
		For >100 To 200, Add	2.87	
		For >200 To 400, Add	1.39	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	9.80	
		For Up To 100, Add	5.21	
		For >100 To 200, Add	2.72	
		For >200 To 300, Add	1.36	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	11.86	
		For Up To 100, Add	6.36	
		For >100 To 200, Add	3.31	
		For >200 To 300, Add	1.65	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	16.71	
		For Up To 100, Add	9.05	
		For >100 To 200, Add	4.69	
		For >200 To 300, Add	2.34	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	29.06	
		For Up To 100, Add	15.90	
		For >100 To 200, Add	8.21	
		For >200 To 300, Add	4.10	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.92	
		For Up To 100, Add	0.72	
		For >100 To 200, Add	0.38	
		For >200 To 500, Add	0.15	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.59	
		For Up To 100, Add	1.25	
		For >100 To 200, Add	0.66	
		For >200 To 500, Add	0.26	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.42	
		For Up To 100, Add	1.93	
		For >100 To 200, Add	1.01	
		For >200 To 500, Add	0.40	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.38	
		For Up To 100, Add	2.74	
		For >100 To 200, Add	1.43	
		For >200 To 500, Add	0.57	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.94	
		For Up To 100, Add	0.74	
		For >100 To 200, Add	0.39	
		For >200 To 500, Add	0.15	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.63	
		For Up To 100, Add	1.29	
		For >100 To 200, Add	0.68	
		For >200 To 500, Add	0.27	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.48	
		For Up To 100, Add	1.99	
		For >100 To 200, Add	1.04	
		For >200 To 500, Add	0.42	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.46	
		For Up To 100, Add	2.82	
		For >100 To 200, Add	1.47	
		For >200 To 500, Add	0.59	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.97	
		For Up To 100, Add	0.77	
		For >100 To 200, Add	0.40	
		For >200 To 500, Add	0.16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0095 LF #4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.68	
For Up To 100, Add	1.34	
For >100 To 200, Add	0.70	
For >200 To 500, Add	0.28	
03 21 16 00-0096 LF #5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.56	
For Up To 100, Add	2.07	
For >100 To 200, Add	1.08	
For >200 To 500, Add	0.43	
03 21 16 00-0097 LF #6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.58	
For Up To 100, Add	2.94	
For >100 To 200, Add	1.53	
For >200 To 500, Add	0.61	
03 21 16 00-0098 LF #7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.76	
For Up To 100, Add	3.04	
For >100 To 200, Add	1.71	
For >200 To 400, Add	0.82	
03 21 16 00-0099 LF #8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.04	
For Up To 100, Add	3.91	
For >100 To 200, Add	2.18	
For >200 To 400, Add	1.05	
03 21 16 00-0100 LF #9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.52	
For Up To 100, Add	4.92	
For >100 To 200, Add	2.74	
For >200 To 400, Add	1.32	
03 21 16 00-0101 LF #10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	9.33	
For Up To 100, Add	4.97	
For >100 To 200, Add	2.59	
For >200 To 300, Add	1.29	
03 21 16 00-0102 LF #11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	11.29	
For Up To 100, Add	6.07	
For >100 To 200, Add	3.15	
For >200 To 300, Add	1.58	
03 21 16 00-0103 LF #14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	15.91	
For Up To 100, Add	8.63	
For >100 To 200, Add	4.47	
For >200 To 300, Add	2.23	
03 21 16 00-0104 LF #18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	27.69	
For Up To 100, Add	15.17	
For >100 To 200, Add	7.82	
For >200 To 300, Add	3.91	
03 21 16 00-0105 LF #6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.70	
For Up To 100, Add	3.06	
For >100 To 200, Add	1.59	
For >200 To 500, Add	0.63	
03 21 16 00-0106 LF #7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.92	
For Up To 100, Add	3.16	
For >100 To 200, Add	1.77	
For >200 To 400, Add	0.85	
03 21 16 00-0107 LF #8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.25	
For Up To 100, Add	4.07	
For >100 To 200, Add	2.27	
For >200 To 400, Add	1.10	
03 21 16 00-0108 LF #9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.79	
For Up To 100, Add	5.12	
For >100 To 200, Add	2.84	
For >200 To 400, Add	1.38	
03 21 16 00-0109 LF #10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	9.67	
For Up To 100, Add	5.17	
For >100 To 200, Add	2.69	
For >200 To 300, Add	1.35	
03 21 16 00-0110 LF #11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	11.71	
For Up To 100, Add	6.32	
For >100 To 200, Add	3.28	
For >200 To 300, Add	1.64	
03 21 16 00-0111 LF #14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	16.51	
For Up To 100, Add	8.99	
For >100 To 200, Add	4.65	
For >200 To 300, Add	2.32	
03 21 16 00-0112 LF #18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	28.77	
For Up To 100, Add	15.81	
For >100 To 200, Add	8.15	
For >200 To 300, Add	4.07	
 03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)		
Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0114 LF #3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.88	
For Up To 100, Add	0.70	
For >100 To 200, Add	0.37	
For >200 To 500, Add	0.15	
03 21 16 00-0115 LF #4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.52	
For Up To 100, Add	1.23	
For >100 To 200, Add	0.64	
For >200 To 500, Add	0.26	
03 21 16 00-0116 LF #5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.32	
For Up To 100, Add	1.89	
For >100 To 200, Add	0.98	
For >200 To 500, Add	0.39	

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 16 00-0117	LF #6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.25	
	For Up To 100, Add	2.69	
	For >100 To 200, Add	1.39	
	For >200 To 500, Add	0.56	
03 21 16 00-0118	LF #3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.90	
	For Up To 100, Add	0.72	
	For >100 To 200, Add	0.38	
	For >200 To 500, Add	0.15	
03 21 16 00-0119	LF #4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.56	
	For Up To 100, Add	1.27	
	For >100 To 200, Add	0.66	
	For >200 To 500, Add	0.26	
03 21 16 00-0120	LF #5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.38	
	For Up To 100, Add	1.95	
	For >100 To 200, Add	1.01	
	For >200 To 500, Add	0.41	
03 21 16 00-0121	LF #6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.33	
	For Up To 100, Add	2.77	
	For >100 To 200, Add	1.43	
	For >200 To 500, Add	0.57	
03 21 16 00-0122	LF #3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.93	
	For Up To 100, Add	0.75	
	For >100 To 200, Add	0.39	
	For >200 To 500, Add	0.16	
03 21 16 00-0123	LF #4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.61	
	For Up To 100, Add	1.32	
	For >100 To 200, Add	0.68	
	For >200 To 500, Add	0.27	
03 21 16 00-0124	LF #5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.46	
	For Up To 100, Add	2.03	
	For >100 To 200, Add	1.05	
	For >200 To 500, Add	0.42	
03 21 16 00-0125	LF #6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.45	
	For Up To 100, Add	2.89	
	For >100 To 200, Add	1.49	
	For >200 To 500, Add	0.60	
03 21 16 00-0126	LF #7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.60	
	For Up To 100, Add	2.99	
	For >100 To 200, Add	1.67	
	For >200 To 400, Add	0.80	
03 21 16 00-0127	LF #8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.84	
	For Up To 100, Add	3.84	
	For >100 To 200, Add	2.13	
	For >200 To 400, Add	1.03	
03 21 16 00-0128	LF #9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.30	
	For Up To 100, Add	4.84	
	For >100 To 200, Add	2.68	
	For >200 To 400, Add	1.30	
03 21 16 00-0129	LF #10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	9.07	
	For Up To 100, Add	4.89	
	For >100 To 200, Add	2.54	
	For >200 To 300, Add	1.27	
03 21 16 00-0130	LF #11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	10.99	
	For Up To 100, Add	5.98	
	For >100 To 200, Add	3.09	
	For >200 To 300, Add	1.55	
03 21 16 00-0131	LF #14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	15.53	
	For Up To 100, Add	8.52	
	For >100 To 200, Add	4.39	
	For >200 To 300, Add	2.20	
03 21 16 00-0132	LF #18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	27.09	
	For Up To 100, Add	14.99	
	For >100 To 200, Add	7.70	
	For >200 To 300, Add	3.85	
03 21 16 00-0133	LF #6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.57	
	For Up To 100, Add	3.01	
	For >100 To 200, Add	1.55	
	For >200 To 500, Add	0.62	
03 21 16 00-0134	LF #7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.76	
	For Up To 100, Add	3.11	
	For >100 To 200, Add	1.73	
	For >200 To 400, Add	0.84	
03 21 16 00-0135	LF #8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.05	
	For Up To 100, Add	4.00	
	For >100 To 200, Add	2.22	
	For >200 To 400, Add	1.08	
03 21 16 00-0136	LF #9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.57	
	For Up To 100, Add	5.04	
	For >100 To 200, Add	2.79	
	For >200 To 400, Add	1.36	
03 21 16 00-0137	LF #10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	9.41	
	For Up To 100, Add	5.09	
	For >100 To 200, Add	2.64	
	For >200 To 300, Add	1.32	
03 21 16 00-0138	LF #11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	11.41	
	For Up To 100, Add	6.23	
	For >100 To 200, Add	3.22	
	For >200 To 300, Add	1.61	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0139 LF #14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	16.13	
For Up To 100, Add	8.88	
For >100 To 200, Add	4.57	
For >200 To 300, Add	2.29	
03 21 16 00-0140 LF #18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	28.17	
For Up To 100, Add	15.63	
For >100 To 200, Add	8.03	
For >200 To 300, Add	4.01	
03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)		
Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0142 LF #3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.86	
For Up To 100, Add	0.69	
For >100 To 200, Add	0.36	
For >200 To 500, Add	0.14	
03 21 16 00-0143 LF #4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.48	
For Up To 100, Add	1.21	
For >100 To 200, Add	0.63	
For >200 To 500, Add	0.25	
03 21 16 00-0144 LF #5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.26	
For Up To 100, Add	1.87	
For >100 To 200, Add	0.97	
For >200 To 500, Add	0.39	
03 21 16 00-0145 LF #6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.18	
For Up To 100, Add	2.66	
For >100 To 200, Add	1.38	
For >200 To 500, Add	0.55	
03 21 16 00-0146 LF #3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.88	
For Up To 100, Add	0.71	
For >100 To 200, Add	0.37	
For >200 To 500, Add	0.15	
03 21 16 00-0147 LF #4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.52	
For Up To 100, Add	1.25	
For >100 To 200, Add	0.65	
For >200 To 500, Add	0.26	
03 21 16 00-0148 LF #5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.32	
For Up To 100, Add	1.93	
For >100 To 200, Add	1.00	
For >200 To 500, Add	0.40	
03 21 16 00-0149 LF #6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.26	
For Up To 100, Add	2.74	
For >100 To 200, Add	1.42	
For >200 To 500, Add	0.57	
03 21 16 00-0150 LF #3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.91	
For Up To 100, Add	0.74	
For >100 To 200, Add	0.39	
For >200 To 500, Add	0.15	
03 21 16 00-0151 LF #4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.57	
For Up To 100, Add	1.30	
For >100 To 200, Add	0.67	
For >200 To 500, Add	0.27	
03 21 16 00-0152 LF #5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.40	
For Up To 100, Add	2.01	
For >100 To 200, Add	1.04	
For >200 To 500, Add	0.42	
03 21 16 00-0153 LF #6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.38	
For Up To 100, Add	2.86	
For >100 To 200, Add	1.48	
For >200 To 500, Add	0.59	
03 21 16 00-0154 LF #7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.50	
For Up To 100, Add	2.95	
For >100 To 200, Add	1.64	
For >200 To 400, Add	0.79	
03 21 16 00-0155 LF #8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.75	
For Up To 100, Add	3.81	
For >100 To 200, Add	2.11	
For >200 To 400, Add	1.02	
03 21 16 00-0156 LF #9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.19	
For Up To 100, Add	4.80	
For >100 To 200, Add	2.65	
For >200 To 400, Add	1.29	
03 21 16 00-0157 LF #10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	8.94	
For Up To 100, Add	4.85	
For >100 To 200, Add	2.51	
For >200 To 300, Add	1.26	
03 21 16 00-0158 LF #11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	10.85	
For Up To 100, Add	5.93	
For >100 To 200, Add	3.06	
For >200 To 300, Add	1.53	
03 21 16 00-0159 LF #14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	15.34	
For Up To 100, Add	8.46	
For >100 To 200, Add	4.35	
For >200 To 300, Add	2.18	
03 21 16 00-0160 LF #18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	26.79	
For Up To 100, Add	14.90	
For >100 To 200, Add	7.64	
For >200 To 300, Add	3.82	

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 16 00-0161	LF #6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.50
	For Up To 100, Add	2.98
	For >100 To 200, Add	1.54
	For >200 To 500, Add	0.61
03 21 16 00-0162	LF #7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.66
	For Up To 100, Add	3.07
	For >100 To 200, Add	1.71
	For >200 To 400, Add	0.83
03 21 16 00-0163	LF #8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.96
	For Up To 100, Add	3.97
	For >100 To 200, Add	2.20
	For >200 To 400, Add	1.07
03 21 16 00-0164	LF #9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.46
	For Up To 100, Add	5.00
	For >100 To 200, Add	2.76
	For >200 To 400, Add	1.34
03 21 16 00-0165	LF #10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	9.28
	For Up To 100, Add	5.06
	For >100 To 200, Add	2.61
	For >200 To 300, Add	1.31
03 21 16 00-0166	LF #11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	11.27
	For Up To 100, Add	6.19
	For >100 To 200, Add	3.19
	For >200 To 300, Add	1.59
03 21 16 00-0167	LF #14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	15.94
	For Up To 100, Add	8.82
	For >100 To 200, Add	4.53
	For >200 To 300, Add	2.27
03 21 16 00-0168	LF #18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	27.87
	For Up To 100, Add	15.54
	For >100 To 200, Add	7.97
	For >200 To 300, Add	3.98

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

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 16 00-0170	EA 3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.98
	For Up To 12" Length, Deduct	-0.71
	For >12" To <24" Length, Deduct	-0.36
03 21 16 00-0171	EA 1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	7.18
	For Up To 12" Length, Deduct	-1.08
	For >12" To <24" Length, Deduct	-0.54
03 21 16 00-0172	EA 5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	9.04
	For Up To 12" Length, Deduct	-1.61
	For >12" To <24" Length, Deduct	-0.80
03 21 16 00-0173	EA 3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	11.31
	For Up To 12" Length, Deduct	-2.14
	For >12" To <24" Length, Deduct	-1.07
03 21 16 00-0174	EA 7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	13.79
	For Up To 12" Length, Deduct	-2.91
	For >12" To <24" Length, Deduct	-1.46
03 21 16 00-0175	EA 1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	16.15
	For Up To 12" Length, Deduct	-3.58
	For >12" To <24" Length, Deduct	-1.79
03 21 16 00-0176	EA 1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	19.12
	For Up To 12" Length, Deduct	-4.34
	For >12" To <24" Length, Deduct	-2.17
03 21 16 00-0177	EA 1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	23.05
	For Up To 12" Length, Deduct	-5.26
	For >12" To <24" Length, Deduct	-2.63

03 21 19 Stainless Steel Reinforcement Bars (03 21)**03 21 19 00-0001 Beams And Girders, Stainless Steel Reinforcement Bar (03 21 19)**

Note: ASTM A-955.

03 21 19 00-0002	LF #3, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar.....	2.04
	For Up To 100, Add	1.78
	For >100 To 200, Add	0.91
	For >200 To 500, Add	0.37
03 21 19 00-0003	LF #4, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar.....	3.62
	For Up To 100, Add	3.20
	For >100 To 200, Add	1.64
	For >200 To 500, Add	0.65
03 21 19 00-0004	LF #5, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar.....	5.51
	For Up To 100, Add	4.90
	For >100 To 200, Add	2.50
	For >200 To 500, Add	1.00
03 21 19 00-0005	LF #6, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar.....	7.76
	For Up To 100, Add	6.96
	For >100 To 200, Add	3.55
	For >200 To 500, Add	1.42
03 21 19 00-0006	LF #3, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	2.25
	For Up To 100, Add	1.99
	For >100 To 200, Add	1.02
	For >200 To 500, Add	0.41
03 21 19 00-0007	LF #4, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	4.00
	For Up To 100, Add	3.58
	For >100 To 200, Add	1.83
	For >200 To 500, Add	0.73

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0008 LF #5, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	6.09 5.48 2.79 1.12	
03 21 19 00-0009 LF #6, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	8.60 7.80 3.97 1.59	
03 21 19 00-0010 LF #7, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	11.53 7.99 4.37 2.14	
03 21 19 00-0011 LF #8, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	14.97 10.46 5.70 2.80	
03 21 19 00-0012 LF #9, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	18.80 13.20 7.18 3.53	
03 21 19 00-0013 LF #10, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	23.57 13.35 6.81 3.40	
03 21 19 00-0014 LF #11, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	28.67 16.32 8.31 4.15	
03 21 19 00-0015 LF #14, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	40.92 23.41 11.89 5.95	
03 21 19 00-0016 LF #18, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	71.97 41.37 20.99 10.49	
03 21 19 00-0017 LF #6, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	9.02 8.22 4.18 1.67	
03 21 19 00-0018 LF #7, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	12.11 8.43 4.60 2.26	
03 21 19 00-0019 LF #8, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	15.72 11.02 6.00 2.95	
03 21 19 00-0020 LF #9, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 400, Add	19.75 13.91 7.56 3.72	
03 21 19 00-0021 LF #10, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	24.78 14.08 7.17 3.59	
03 21 19 00-0022 LF #11, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	30.15 17.21 8.75 4.38	
03 21 19 00-0023 LF #14, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	43.06 24.69 12.54 6.27	
03 21 19 00-0024 LF #18, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 300, Add	75.78 43.66 22.13 11.07	
 03 21 19 00-0025 Columns, Stainless Steel Reinforcement Bar (03 21 19) Note: ASTM A-955.		
03 21 19 00-0026 LF #3, Grade 40, Columns, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	2.07 1.79 0.92 0.37	
03 21 19 00-0027 LF #4, Grade 40, Columns, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	3.69 3.23 1.65 0.66	
03 21 19 00-0028 LF #5, Grade 40, Columns, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	5.60 4.94 2.53 1.01	
03 21 19 00-0029 LF #6, Grade 40, Columns, Stainless Steel Reinforcement Bar For Up To 100, Add For >100 To 200, Add For >200 To 500, Add	7.89 7.01 3.58 1.43	

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 19 00-0030	LF #3, Grade 60, Columns, Stainless Steel Reinforcement Bar	2.28	
	For Up To 100, Add	2.00	
	For >100 To 200, Add	1.03	
	For >200 To 500, Add	0.41	
03 21 19 00-0031	LF #4, Grade 60, Columns, Stainless Steel Reinforcement Bar	4.07	
	For Up To 100, Add	3.61	
	For >100 To 200, Add	1.84	
	For >200 To 500, Add	0.74	
03 21 19 00-0032	LF #5, Grade 60, Columns, Stainless Steel Reinforcement Bar	6.18	
	For Up To 100, Add	5.52	
	For >100 To 200, Add	2.82	
	For >200 To 500, Add	1.13	
03 21 19 00-0033	LF #6, Grade 60, Columns, Stainless Steel Reinforcement Bar	8.73	
	For Up To 100, Add	7.85	
	For >100 To 200, Add	4.00	
	For >200 To 500, Add	1.60	
03 21 19 00-0034	LF #7, Grade 60, Columns, Stainless Steel Reinforcement Bar	11.70	
	For Up To 100, Add	8.05	
	For >100 To 200, Add	4.41	
	For >200 To 400, Add	2.16	
03 21 19 00-0035	LF #8, Grade 60, Columns, Stainless Steel Reinforcement Bar	15.16	
	For Up To 100, Add	10.52	
	For >100 To 200, Add	5.75	
	For >200 To 400, Add	2.82	
03 21 19 00-0036	LF #9, Grade 60, Columns, Stainless Steel Reinforcement Bar	19.02	
	For Up To 100, Add	13.27	
	For >100 To 200, Add	7.24	
	For >200 To 400, Add	3.56	
03 21 19 00-0037	LF #10, Grade 60, Columns, Stainless Steel Reinforcement Bar	23.82	
	For Up To 100, Add	13.43	
	For >100 To 200, Add	6.86	
	For >200 To 300, Add	3.43	
03 21 19 00-0038	LF #11, Grade 60, Columns, Stainless Steel Reinforcement Bar	28.96	
	For Up To 100, Add	16.40	
	For >100 To 200, Add	8.36	
	For >200 To 300, Add	4.18	
03 21 19 00-0039	LF #14, Grade 60, Columns, Stainless Steel Reinforcement Bar	41.31	
	For Up To 100, Add	23.52	
	For >100 To 200, Add	11.97	
	For >200 To 300, Add	5.99	
03 21 19 00-0040	LF #18, Grade 60, Columns, Stainless Steel Reinforcement Bar	72.57	
	For Up To 100, Add	41.55	
	For >100 To 200, Add	21.11	
	For >200 To 300, Add	10.55	
03 21 19 00-0041	LF #6, Grade 75, Columns, Stainless Steel Reinforcement Bar	9.15	
	For Up To 100, Add	8.27	
	For >100 To 200, Add	4.21	
	For >200 To 500, Add	1.68	
03 21 19 00-0042	LF #7, Grade 75, Columns, Stainless Steel Reinforcement Bar	12.28	
	For Up To 100, Add	8.49	
	For >100 To 200, Add	4.64	
	For >200 To 400, Add	2.28	
03 21 19 00-0043	LF #8, Grade 75, Columns, Stainless Steel Reinforcement Bar	15.91	
	For Up To 100, Add	11.08	
	For >100 To 200, Add	6.05	
	For >200 To 400, Add	2.97	
03 21 19 00-0044	LF #9, Grade 75, Columns, Stainless Steel Reinforcement Bar	19.97	
	For Up To 100, Add	13.99	
	For >100 To 200, Add	7.62	
	For >200 To 400, Add	3.75	
03 21 19 00-0045	LF #10, Grade 75, Columns, Stainless Steel Reinforcement Bar	25.03	
	For Up To 100, Add	14.15	
	For >100 To 200, Add	7.22	
	For >200 To 300, Add	3.61	
03 21 19 00-0046	LF #11, Grade 75, Columns, Stainless Steel Reinforcement Bar	30.44	
	For Up To 100, Add	17.29	
	For >100 To 200, Add	8.81	
	For >200 To 300, Add	4.40	
03 21 19 00-0047	LF #14, Grade 75, Columns, Stainless Steel Reinforcement Bar	43.45	
	For Up To 100, Add	24.81	
	For >100 To 200, Add	12.61	
	For >200 To 300, Add	6.31	
03 21 19 00-0048	LF #18, Grade 75, Columns, Stainless Steel Reinforcement Bar	76.38	
	For Up To 100, Add	43.84	
	For >100 To 200, Add	22.25	
	For >200 To 300, Add	11.13	

03 21 19 00-0049 Footings, Stainless Steel Reinforcement Bar (03 21 19)

Note: ASTM A-955.

03 21 19 00-0050	LF #3, Grade 40, Footings, Stainless Steel Reinforcement Bar	1.97	
	For Up To 100, Add	1.75	
	For >100 To 200, Add	0.90	
	For >200 To 500, Add	0.36	
03 21 19 00-0051	LF #4, Grade 40, Footings, Stainless Steel Reinforcement Bar	3.52	
	For Up To 100, Add	3.16	
	For >100 To 200, Add	1.61	
	For >200 To 500, Add	0.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0052	LF	#5, Grade 40, Footings, Stainless Steel Reinforcement Bar	.....	5.36	
		For Up To 100, Add	.....	4.84	
		For >100 To 200, Add	.....	2.47	
		For >200 To 500, Add	.....	0.99	
03 21 19 00-0053	LF	#6, Grade 40, Footings, Stainless Steel Reinforcement Bar	.....	7.56	
		For Up To 100, Add	.....	6.88	
		For >100 To 200, Add	.....	3.50	
		For >200 To 500, Add	.....	1.40	
03 21 19 00-0054	LF	#3, Grade 60, Footings, Stainless Steel Reinforcement Bar	.....	2.18	
		For Up To 100, Add	.....	1.96	
		For >100 To 200, Add	.....	1.00	
		For >200 To 500, Add	.....	0.40	
03 21 19 00-0055	LF	#4, Grade 60, Footings, Stainless Steel Reinforcement Bar	.....	3.90	
		For Up To 100, Add	.....	3.54	
		For >100 To 200, Add	.....	1.80	
		For >200 To 500, Add	.....	0.72	
03 21 19 00-0056	LF	#5, Grade 60, Footings, Stainless Steel Reinforcement Bar	.....	5.94	
		For Up To 100, Add	.....	5.42	
		For >100 To 200, Add	.....	2.76	
		For >200 To 500, Add	.....	1.10	
03 21 19 00-0057	LF	#6, Grade 60, Footings, Stainless Steel Reinforcement Bar	.....	8.40	
		For Up To 100, Add	.....	7.72	
		For >100 To 200, Add	.....	3.92	
		For >200 To 500, Add	.....	1.57	
03 21 19 00-0058	LF	#7, Grade 60, Footings, Stainless Steel Reinforcement Bar	.....	11.29	
		For Up To 100, Add	.....	7.91	
		For >100 To 200, Add	.....	4.31	
		For >200 To 400, Add	.....	2.12	
03 21 19 00-0059	LF	#8, Grade 60, Footings, Stainless Steel Reinforcement Bar	.....	14.68	
		For Up To 100, Add	.....	10.35	
		For >100 To 200, Add	.....	5.63	
		For >200 To 400, Add	.....	2.77	
03 21 19 00-0060	LF	#9, Grade 60, Footings, Stainless Steel Reinforcement Bar	.....	18.46	
		For Up To 100, Add	.....	13.08	
		For >100 To 200, Add	.....	7.10	
		For >200 To 400, Add	.....	3.50	
03 21 19 00-0061	LF	#10, Grade 60, Footings, Stainless Steel Reinforcement Bar	.....	23.17	
		For Up To 100, Add	.....	13.23	
		For >100 To 200, Add	.....	6.73	
		For >200 To 300, Add	.....	3.36	
03 21 19 00-0062	LF	#11, Grade 60, Footings, Stainless Steel Reinforcement Bar	.....	28.23	
		For Up To 100, Add	.....	16.19	
		For >100 To 200, Add	.....	8.22	
		For >200 To 300, Add	.....	4.11	
03 21 19 00-0063	LF	#14, Grade 60, Footings, Stainless Steel Reinforcement Bar	.....	40.35	
		For Up To 100, Add	.....	23.24	
		For >100 To 200, Add	.....	11.78	
		For >200 To 300, Add	.....	5.89	
03 21 19 00-0064	LF	#18, Grade 60, Footings, Stainless Steel Reinforcement Bar	.....	71.05	
		For Up To 100, Add	.....	41.09	
		For >100 To 200, Add	.....	20.80	
		For >200 To 300, Add	.....	10.40	
03 21 19 00-0065	LF	#6, Grade 75, Footings, Stainless Steel Reinforcement Bar	.....	8.82	
		For Up To 100, Add	.....	8.14	
		For >100 To 200, Add	.....	4.13	
		For >200 To 500, Add	.....	1.65	
03 21 19 00-0066	LF	#7, Grade 75, Footings, Stainless Steel Reinforcement Bar	.....	11.87	
		For Up To 100, Add	.....	8.34	
		For >100 To 200, Add	.....	4.54	
		For >200 To 400, Add	.....	2.23	
03 21 19 00-0067	LF	#8, Grade 75, Footings, Stainless Steel Reinforcement Bar	.....	15.43	
		For Up To 100, Add	.....	10.92	
		For >100 To 200, Add	.....	5.93	
		For >200 To 400, Add	.....	2.92	
03 21 19 00-0068	LF	#9, Grade 75, Footings, Stainless Steel Reinforcement Bar	.....	19.41	
		For Up To 100, Add	.....	13.79	
		For >100 To 200, Add	.....	7.48	
		For >200 To 400, Add	.....	3.69	
03 21 19 00-0069	LF	#10, Grade 75, Footings, Stainless Steel Reinforcement Bar	.....	24.38	
		For Up To 100, Add	.....	13.96	
		For >100 To 200, Add	.....	7.09	
		For >200 To 300, Add	.....	3.55	
03 21 19 00-0070	LF	#11, Grade 75, Footings, Stainless Steel Reinforcement Bar	.....	29.71	
		For Up To 100, Add	.....	17.07	
		For >100 To 200, Add	.....	8.66	
		For >200 To 300, Add	.....	4.33	
03 21 19 00-0071	LF	#14, Grade 75, Footings, Stainless Steel Reinforcement Bar	.....	42.49	
		For Up To 100, Add	.....	24.52	
		For >100 To 200, Add	.....	12.42	
		For >200 To 300, Add	.....	6.21	
03 21 19 00-0072	LF	#18, Grade 75, Footings, Stainless Steel Reinforcement Bar	.....	74.86	
		For Up To 100, Add	.....	43.38	
		For >100 To 200, Add	.....	21.95	
		For >200 To 300, Add	.....	10.97	

03 21 19 00-0073 Slab On Grade, Stainless Steel Reinforcement Bar (03 21 19)
Note: ASTM A-955.

03 Concrete
03 20 Concrete Reinforcing
03 21 Reinforcement Bars

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 19 00-0074	LF #3, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar.....	1.95	
	For Up To 100, Add	1.75	
	For >100 To 200, Add	0.89	
	For >200 To 500, Add	0.36	
03 21 19 00-0075	LF #4, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar.....	3.48	
	For Up To 100, Add	3.14	
	For >100 To 200, Add	1.60	
	For >200 To 500, Add	0.64	
03 21 19 00-0076	LF #5, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar.....	5.31	
	For Up To 100, Add	4.82	
	For >100 To 200, Add	2.45	
	For >200 To 500, Add	0.98	
03 21 19 00-0077	LF #6, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar.....	7.48	
	For Up To 100, Add	6.84	
	For >100 To 200, Add	3.48	
	For >200 To 500, Add	1.39	
03 21 19 00-0078	LF #3, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar.....	2.16	
	For Up To 100, Add	1.96	
	For >100 To 200, Add	1.00	
	For >200 To 500, Add	0.40	
03 21 19 00-0079	LF #4, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar.....	3.86	
	For Up To 100, Add	3.52	
	For >100 To 200, Add	1.79	
	For >200 To 500, Add	0.72	
03 21 19 00-0080	LF #5, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar.....	5.89	
	For Up To 100, Add	5.40	
	For >100 To 200, Add	2.74	
	For >200 To 500, Add	1.10	
03 21 19 00-0081	LF #6, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar.....	8.32	
	For Up To 100, Add	7.68	
	For >100 To 200, Add	3.90	
	For >200 To 500, Add	1.56	
03 21 19 00-0082	LF #7, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar.....	11.21	
	For Up To 100, Add	7.88	
	For >100 To 200, Add	4.29	
	For >200 To 400, Add	2.11	
03 21 19 00-0083	LF #8, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar.....	14.59	
	For Up To 100, Add	10.32	
	For >100 To 200, Add	5.60	
	For >200 To 400, Add	2.76	
03 21 19 00-0084	LF #9, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar.....	18.35	
	For Up To 100, Add	13.04	
	For >100 To 200, Add	7.07	
	For >200 To 400, Add	3.49	
03 21 19 00-0085	LF #10, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar.....	23.04	
	For Up To 100, Add	13.19	
	For >100 To 200, Add	6.70	
	For >200 To 300, Add	3.35	
03 21 19 00-0086	LF #11, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar.....	28.08	
	For Up To 100, Add	16.14	
	For >100 To 200, Add	8.19	
	For >200 To 300, Add	4.09	
03 21 19 00-0087	LF #14, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar.....	40.15	
	For Up To 100, Add	23.18	
	For >100 To 200, Add	11.74	
	For >200 To 300, Add	5.87	
03 21 19 00-0088	LF #18, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar.....	70.76	
	For Up To 100, Add	41.01	
	For >100 To 200, Add	20.75	
	For >200 To 300, Add	10.37	
03 21 19 00-0089	LF #6, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar.....	8.74	
	For Up To 100, Add	8.10	
	For >100 To 200, Add	4.11	
	For >200 To 500, Add	1.64	
03 21 19 00-0090	LF #7, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar.....	11.79	
	For Up To 100, Add	8.31	
	For >100 To 200, Add	4.52	
	For >200 To 400, Add	2.23	
03 21 19 00-0091	LF #8, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar.....	15.34	
	For Up To 100, Add	10.89	
	For >100 To 200, Add	5.90	
	For >200 To 400, Add	2.91	
03 21 19 00-0092	LF #9, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar.....	19.30	
	For Up To 100, Add	13.75	
	For >100 To 200, Add	7.45	
	For >200 To 400, Add	3.68	
03 21 19 00-0093	LF #10, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar.....	24.25	
	For Up To 100, Add	13.92	
	For >100 To 200, Add	7.07	
	For >200 To 300, Add	3.53	
03 21 19 00-0094	LF #11, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar.....	29.56	
	For Up To 100, Add	17.03	
	For >100 To 200, Add	8.63	
	For >200 To 300, Add	4.32	
03 21 19 00-0095	LF #14, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar.....	42.29	
	For Up To 100, Add	24.46	
	For >100 To 200, Add	12.38	
	For >200 To 300, Add	6.19	

			Concrete	03	CS
			Concrete Reinforcing	03 20	
			Reinforcement Bars	03 21	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 21 19 00-0096	LF	#18, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar.....	74.57		
		For Up To 100, Add	43.29		
		For >100 To 200, Add	21.89		
		For >200 To 300, Add	10.94		
03 21 19 00-0097 Elevated Slabs, Stainless Steel Reinforcement Bar (03 21 19)					
Note: ASTM A-955.					
03 21 19 00-0098	LF	#3, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar.....	1.91		
		For Up To 100, Add	1.73		
		For >100 To 200, Add	0.88		
		For >200 To 500, Add	0.35		
03 21 19 00-0099	LF	#4, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar.....	3.41		
		For Up To 100, Add	3.12		
		For >100 To 200, Add	1.58		
		For >200 To 500, Add	0.63		
03 21 19 00-0100	LF	#5, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar.....	5.21		
		For Up To 100, Add	4.78		
		For >100 To 200, Add	2.43		
		For >200 To 500, Add	0.97		
03 21 19 00-0101	LF	#6, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar.....	7.35		
		For Up To 100, Add	6.79		
		For >100 To 200, Add	3.44		
		For >200 To 500, Add	1.38		
03 21 19 00-0102	LF	#3, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar.....	2.12		
		For Up To 100, Add	1.94		
		For >100 To 200, Add	0.99		
		For >200 To 500, Add	0.39		
03 21 19 00-0103	LF	#4, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar.....	3.79		
		For Up To 100, Add	3.50		
		For >100 To 200, Add	1.77		
		For >200 To 500, Add	0.71		
03 21 19 00-0104	LF	#5, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar.....	5.79		
		For Up To 100, Add	5.36		
		For >100 To 200, Add	2.72		
		For >200 To 500, Add	1.09		
03 21 19 00-0105	LF	#6, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar.....	8.19		
		For Up To 100, Add	7.63		
		For >100 To 200, Add	3.86		
		For >200 To 500, Add	1.55		
03 21 19 00-0106	LF	#7, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar.....	11.05		
		For Up To 100, Add	7.82		
		For >100 To 200, Add	4.25		
		For >200 To 400, Add	2.09		
03 21 19 00-0107	LF	#8, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar.....	14.39		
		For Up To 100, Add	10.25		
		For >100 To 200, Add	5.55		
		For >200 To 400, Add	2.74		
03 21 19 00-0108	LF	#9, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar.....	18.13		
		For Up To 100, Add	12.96		
		For >100 To 200, Add	7.01		
		For >200 To 400, Add	3.47		
03 21 19 00-0109	LF	#10, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar.....	22.78		
		For Up To 100, Add	13.12		
		For >100 To 200, Add	6.65		
		For >200 To 300, Add	3.33		
03 21 19 00-0110	LF	#11, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar.....	27.78		
		For Up To 100, Add	16.05		
		For >100 To 200, Add	8.13		
		For >200 To 300, Add	4.06		
03 21 19 00-0111	LF	#14, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar.....	39.77		
		For Up To 100, Add	23.06		
		For >100 To 200, Add	11.66		
		For >200 To 300, Add	5.83		
03 21 19 00-0112	LF	#18, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar.....	70.16		
		For Up To 100, Add	40.83		
		For >100 To 200, Add	20.63		
		For >200 To 300, Add	10.31		
03 21 19 00-0113	LF	#6, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	8.61		
		For Up To 100, Add	8.05		
		For >100 To 200, Add	4.07		
		For >200 To 500, Add	1.63		
03 21 19 00-0114	LF	#7, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	11.63		
		For Up To 100, Add	8.26		
		For >100 To 200, Add	4.48		
		For >200 To 400, Add	2.21		
03 21 19 00-0115	LF	#8, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	15.14		
		For Up To 100, Add	10.82		
		For >100 To 200, Add	5.85		
		For >200 To 400, Add	2.89		
03 21 19 00-0116	LF	#9, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	19.08		
		For Up To 100, Add	13.67		
		For >100 To 200, Add	7.39		
		For >200 To 400, Add	3.66		
03 21 19 00-0117	LF	#10, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	23.99		
		For Up To 100, Add	13.84		
		For >100 To 200, Add	7.01		
		For >200 To 300, Add	3.51		

03 Concrete**03 20 Concrete Reinforcing****03 21 Reinforcement Bars**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 21 19 00-0118	LF	#11, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	29.26	
		For Up To 100, Add	16.94	
		For >100 To 200, Add	8.57	
		For >200 To 300, Add	4.29	
03 21 19 00-0119	LF	#14, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	41.91	
		For Up To 100, Add	24.35	
		For >100 To 200, Add	12.31	
		For >200 To 300, Add	6.15	
03 21 19 00-0120	LF	#18, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	73.97	
		For Up To 100, Add	43.11	
		For >100 To 200, Add	21.77	
		For >200 To 300, Add	10.88	

03 21 19 00-0121 Walls, Stainless Steel Reinforcement Bar (03 21 19)

Note: ASTM A-955.

03 21 19 00-0122	LF	#3, Grade 40, Walls, Stainless Steel Reinforcement Bar.....	1.89	
		For Up To 100, Add	1.72	
		For >100 To 200, Add	0.88	
		For >200 To 500, Add	0.35	
03 21 19 00-0123	LF	#4, Grade 40, Walls, Stainless Steel Reinforcement Bar.....	3.37	
		For Up To 100, Add	3.10	
		For >100 To 200, Add	1.57	
		For >200 To 500, Add	0.63	
03 21 19 00-0124	LF	#5, Grade 40, Walls, Stainless Steel Reinforcement Bar.....	5.15	
		For Up To 100, Add	4.76	
		For >100 To 200, Add	2.41	
		For >200 To 500, Add	0.97	
03 21 19 00-0125	LF	#6, Grade 40, Walls, Stainless Steel Reinforcement Bar.....	7.28	
		For Up To 100, Add	6.76	
		For >100 To 200, Add	3.43	
		For >200 To 500, Add	1.37	
03 21 19 00-0126	LF	#3, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	2.10	
		For Up To 100, Add	1.93	
		For >100 To 200, Add	0.98	
		For >200 To 500, Add	0.39	
03 21 19 00-0127	LF	#4, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	3.75	
		For Up To 100, Add	3.48	
		For >100 To 200, Add	1.76	
		For >200 To 500, Add	0.71	
03 21 19 00-0128	LF	#5, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	5.73	
		For Up To 100, Add	5.34	
		For >100 To 200, Add	2.70	
		For >200 To 500, Add	1.08	
03 21 19 00-0129	LF	#6, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	8.12	
		For Up To 100, Add	7.60	
		For >100 To 200, Add	3.85	
		For >200 To 500, Add	1.54	
03 21 19 00-0130	LF	#7, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	10.95	
		For Up To 100, Add	7.79	
		For >100 To 200, Add	4.22	
		For >200 To 400, Add	2.08	
03 21 19 00-0131	LF	#8, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	14.30	
		For Up To 100, Add	10.22	
		For >100 To 200, Add	5.53	
		For >200 To 400, Add	2.73	
03 21 19 00-0132	LF	#9, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	18.02	
		For Up To 100, Add	12.92	
		For >100 To 200, Add	6.99	
		For >200 To 400, Add	3.46	
03 21 19 00-0133	LF	#10, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	22.65	
		For Up To 100, Add	13.08	
		For >100 To 200, Add	6.62	
		For >200 To 300, Add	3.31	
03 21 19 00-0134	LF	#11, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	27.64	
		For Up To 100, Add	16.01	
		For >100 To 200, Add	8.10	
		For >200 To 300, Add	4.05	
03 21 19 00-0135	LF	#14, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	39.58	
		For Up To 100, Add	23.00	
		For >100 To 200, Add	11.63	
		For >200 To 300, Add	5.81	
03 21 19 00-0136	LF	#18, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	69.86	
		For Up To 100, Add	40.74	
		For >100 To 200, Add	20.57	
		For >200 To 300, Add	10.28	
03 21 19 00-0137	LF	#6, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	8.54	
		For Up To 100, Add	8.02	
		For >100 To 200, Add	4.06	
		For >200 To 500, Add	1.62	
03 21 19 00-0138	LF	#7, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	11.53	
		For Up To 100, Add	8.22	
		For >100 To 200, Add	4.45	
		For >200 To 400, Add	2.20	
03 21 19 00-0139	LF	#8, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	15.05	
		For Up To 100, Add	10.78	
		For >100 To 200, Add	5.83	
		For >200 To 400, Add	2.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 19 00-0140	LF	#9, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	18.97		
		For Up To 100, Add	13.64		
		For >100 To 200, Add	7.37		
		For >200 To 400, Add	3.65		
03 21 19 00-0141	LF	#10, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	23.86		
		For Up To 100, Add	13.80		
		For >100 To 200, Add	6.99		
		For >200 To 300, Add	3.49		
03 21 19 00-0142	LF	#11, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	29.12		
		For Up To 100, Add	16.90		
		For >100 To 200, Add	8.54		
		For >200 To 300, Add	4.27		
03 21 19 00-0143	LF	#14, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	41.72		
		For Up To 100, Add	24.29		
		For >100 To 200, Add	12.27		
		For >200 To 300, Add	6.13		
03 21 19 00-0144	LF	#18, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	73.67		
		For Up To 100, Add	43.02		
		For >100 To 200, Add	21.71		
		For >200 To 300, Add	10.85		

03 22 Fabric and Grid Reinforcing (03 20)

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

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

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

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

03 22 11 00-0002	SF	6" x 6" x #10, 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.88		
		For >5 Ton, Deduct	-0.13		
03 22 11 00-0003	SF	6" x 6" x #8, 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.00		
		For >5 Ton, Deduct	-0.15		
03 22 11 00-0004	SF	6" x 6" x #6, 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.14		
		For >5 Ton, Deduct	-0.17		
03 22 11 00-0005	SF	6" x 6" x #4, 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.35		
		For >5 Ton, Deduct	-0.19		
03 22 11 00-0006	SF	4" x 4" x #10, 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.05		
		For >5 Ton, Deduct	-0.15		
03 22 11 00-0007	SF	4" x 4" x #8, 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.18		
		For >5 Ton, Deduct	-0.17		
03 22 11 00-0008	SF	4" x 4" x #6, 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.50		
		For >5 Ton, Deduct	-0.21		
03 22 11 00-0009	SF	4" x 4" x #4, 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.74		
		For >5 Ton, Deduct	-0.24		
03 22 11 00-0010	SF	2" x 2" x #10, 60 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	2.24		
		For >5 Ton, Deduct	-0.28		
		For Galvanized, Add	0.56		
		For Epoxy Coated, Add	1.13		
03 22 11 00-0011	SF	2" x 2" x #12, 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9).....	1.62		
		For >5 Ton, Deduct	-0.21		
03 22 11 00-0012	SF	2" x 2" x #8, 88 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	3.01		
		For >5 Ton, Deduct	-0.36		

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

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

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.97		
		For >5 Ton, Deduct	-0.14		
03 22 13 00-0003	SF	6" x 6" x #8, 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.12		
		For >5 Ton, Deduct	-0.16		
03 22 13 00-0004	SF	6" x 6" x #6, 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.29		
		For >5 Ton, Deduct	-0.18		
03 22 13 00-0005	SF	6" x 6" x #4, 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.57		
		For >5 Ton, Deduct	-0.21		
03 22 13 00-0006	SF	4" x 4" x #10, 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.18		
		For >5 Ton, Deduct	-0.17		
03 22 13 00-0007	SF	4" x 4" x #8, 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.35		
		For >5 Ton, Deduct	-0.19		
03 22 13 00-0008	SF	4" x 4" x #6, 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.77		
		For >5 Ton, Deduct	-0.23		
03 22 13 00-0009	SF	4" x 4" x #4, 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	2.08		
		For >5 Ton, Deduct	-0.27		

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5).....	3.43		
		For >5 Ton, Deduct	-0.53		

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

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 16)

Note: Includes bar chairs. Under 5 tons.

03 Concrete**03 20 Concrete Reinforcing****03 22 Fabric and Grid Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 22 16 00-0002	SF	6" x 6" x #10, 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.96	
		For >5 Ton, Deduct.....	-0.14	
03 22 16 00-0003	SF	6" x 6" x #8, 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.10	
		For >5 Ton, Deduct.....	-0.16	
03 22 16 00-0004	SF	6" x 6" x #6, 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.27	
		For >5 Ton, Deduct.....	-0.18	
03 22 16 00-0005	SF	6" x 6" x #4, 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.54	
		For >5 Ton, Deduct.....	-0.21	
03 22 16 00-0006	SF	4" x 4" x #10, 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.17	
		For >5 Ton, Deduct.....	-0.17	
03 22 16 00-0007	SF	4" x 4" x #8, 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.33	
		For >5 Ton, Deduct.....	-0.19	
03 22 16 00-0008	SF	4" x 4" x #6, 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.74	
		For >5 Ton, Deduct.....	-0.23	
03 22 16 00-0009	SF	4" x 4" x #4, 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	2.03	
		For >5 Ton, Deduct.....	-0.26	

03 30 Cast-In-Place Concrete (03)**03 30 53 Miscellaneous Cast-in-Place Concrete** (03 30)**03 30 53 00-0001 Place Concrete Duct Bank** (03 30 53)

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank.....	219.23	
		For 2,000 PSI Concrete, Deduct.....	-9.86	
		For 2,500 PSI Concrete, Deduct.....	-4.93	
		For 3,500 PSI Concrete, Add.....	9.13	
		For 3,750 PSI Concrete, Add.....	12.41	
		For 4,000 PSI Concrete, Add.....	15.70	
		For 4,500 PSI Concrete, Add.....	18.26	
		For 5,000 PSI Concrete, Add.....	20.81	
		For 6,000 PSI Concrete, Add.....	49.29	
		For 7,500 PSI Concrete, Add.....	122.40	
		For White Cement Concrete, Add.....	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add.....	23.73	
		For High Early Strength, Type 3 ASTM C150, Add.....	18.26	
		For Lightweight Aggregate, ASTM C330, Add.....	63.89	
		For Up To 20, Add.....	14.67	
		For >20 To 50, Add.....	5.50	
		For >100 To 200, Deduct.....	-4.38	
		For >200 To 400, Deduct.....	-8.77	
		For >400, Deduct.....	-13.15	

03 30 53 00-0003 Place Concrete Thrust Blocks And Backfill (03 30 53)

03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks.....	265.37	
		For 2,000 PSI Concrete, Deduct.....	-9.86	
		For 2,500 PSI Concrete, Deduct.....	-4.93	
		For 3,500 PSI Concrete, Add.....	9.13	
		For 3,750 PSI Concrete, Add.....	12.41	
		For 4,000 PSI Concrete, Add.....	15.70	
		For 4,500 PSI Concrete, Add.....	18.26	
		For 5,000 PSI Concrete, Add.....	20.81	
		For 6,000 PSI Concrete, Add.....	49.29	
		For 7,500 PSI Concrete, Add.....	122.40	
		For White Cement Concrete, Add.....	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add.....	23.73	
		For High Early Strength, Type 3 ASTM C150, Add.....	18.26	
		For Lightweight Aggregate, ASTM C330, Add.....	63.89	

03 30 53 00-0005 Place Concrete Slurry (03 30 53)

03 30 53 00-0006	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry.....	203.57	
		Note: Two 94# sack cement per CY.		
03 30 53 00-0007	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry.....	196.27	
		Note: Two 94# sack cement per CY. Excludes pumping equipment.		

03 30 53 00-0008 Hand Mix And Place Concrete (03 30 53)

03 30 53 00-0009	CF	Hand Mix And Place 3,000 PSI Concrete.....	21.32	
		Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.		
		For Up To 25 CF, Add.....	2.52	
		For 2,000 PSI Concrete, Deduct.....	-0.42	
		For 2,500 PSI Concrete, Deduct.....	-0.21	
		For 3,500 PSI Concrete, Add.....	0.39	

03 31 Structural Concrete (03 30)**03 31 13 Heavyweight Structural Concrete** (03 31)

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0092 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Equipment Pads (03 31 13)

		Concrete	03	CS
		Cast-In-Place Concrete	03 30	
		Structural Concrete	03 31	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

03 31 13 00-0002		Small Concrete Equipment Housekeeping Pad Assemblies (03 31 13 00-0001)		
		Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0008 for >50 SF concrete pads.		
03 31 13 00-0003	SF 4" Equipment Pad With Welded Wire Reinforcement Assembly.....	20.67		
	For >5 To 20 Pads, Deduct	-2.57		
	For >20 To 50 Pads, Deduct	-4.72		
	For >50 Pads, Deduct	-6.86		
03 31 13 00-0004	SF 4" Equipment Pad With Rebar Assembly.....	26.76		
	For >5 To 20 Pads, Deduct	-2.97		
	For >20 To 50 Pads, Deduct	-5.44		
	For >50 Pads, Deduct	-7.91		
03 31 13 00-0005	SF 6" Equipment Pad With Rebar Assembly.....	33.42		
	For >5 To 20 Pads, Deduct	-3.73		
	For >20 To 50 Pads, Deduct	-6.84		
	For >50 Pads, Deduct	-9.94		
03 31 13 00-0006	SF 8" Equipment Pad With Rebar Assembly.....	41.72		
	For >5 To 20 Pads, Deduct	-4.74		
	For >20 To 50 Pads, Deduct	-8.69		
	For >50 Pads, Deduct	-12.64		

03 31 13 00-0007 **Concrete Slab Assemblies** (03 31 13)

03 31 13 00-0008		3,000 PSI Slab On Grade Concrete Slabs Assemblies (03 31 13 00-0007)		
		Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0009	SF 4" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	8.62		
	For 2,000 PSI Concrete, Deduct	-0.24		
	For 2,500 PSI Concrete, Deduct	-0.12		
	For 3,500 PSI Concrete, Add	0.08		
	For 4,000 PSI Concrete, Add	0.28		
	For 4,500 PSI Concrete, Add	0.35		
	For 5,000 PSI Concrete, Add	0.40		
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.60		
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.89		
	For Up To 500, Add	3.40		
	For >500 To 1,000, Add	2.34		
	For >1,000 To 2,000, Add	1.28		
	For >2,000 To 5,000, Add	0.64		
	For >10,000 To 20,000, Deduct	-0.22		
	For >20,000 To 35,000, Deduct	-0.44		
	For >35,000 To 50,000, Deduct	-0.65		
	For >50,000 To 70,000, Deduct	-0.87		
	For >70,000, Deduct	-1.08		
03 31 13 00-0010	SF 5" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	9.41		
	For 2,000 PSI Concrete, Deduct	-0.27		
	For 2,500 PSI Concrete, Deduct	-0.14		
	For 3,500 PSI Concrete, Add	0.10		
	For 4,000 PSI Concrete, Add	0.32		
	For 4,500 PSI Concrete, Add	0.40		
	For 5,000 PSI Concrete, Add	0.46		
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.60		
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.89		
	For Up To 500, Add	3.63		
	For >500 To 1,000, Add	2.51		
	For >1,000 To 2,000, Add	1.38		
	For >2,000 To 5,000, Add	0.69		
	For >10,000 To 20,000, Deduct	-0.25		
	For >20,000 To 35,000, Deduct	-0.49		
	For >35,000 To 50,000, Deduct	-0.72		
	For >50,000 To 70,000, Deduct	-0.96		
	For >70,000, Deduct	-1.19		
03 31 13 00-0011	SF 6" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	10.56		
	For 2,000 PSI Concrete, Deduct	-0.32		
	For 2,500 PSI Concrete, Deduct	-0.16		
	For 3,500 PSI Concrete, Add	0.11		
	For 4,000 PSI Concrete, Add	0.37		
	For 4,500 PSI Concrete, Add	0.46		
	For 5,000 PSI Concrete, Add	0.54		
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.60		
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.89		
	For Up To 500, Add	3.98		
	For >500 To 1,000, Add	2.75		
	For >1,000 To 2,000, Add	1.52		
	For >2,000 To 5,000, Add	0.76		
	For >10,000 To 20,000, Deduct	-0.29		
	For >20,000 To 35,000, Deduct	-0.56		
	For >35,000 To 50,000, Deduct	-0.82		
	For >50,000 To 70,000, Deduct	-1.09		
	For >70,000, Deduct	-1.35		

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0012	SF	7" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	11.64	
		For 2,000 PSI Concrete, Deduct	-0.37	
		For 2,500 PSI Concrete, Deduct	-0.18	
		For 3,500 PSI Concrete, Add	0.13	
		For 4,000 PSI Concrete, Add	0.43	
		For 4,500 PSI Concrete, Add	0.53	
		For 5,000 PSI Concrete, Add	0.62	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.60	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.89	
		For Up To 500, Add	4.28	
		For >500 To 1,000, Add	2.96	
		For >1,000 To 2,000, Add	1.65	
		For >2,000 To 5,000, Add	0.83	
		For >10,000 To 20,000, Deduct	-0.34	
		For >20,000 To 35,000, Deduct	-0.63	
		For >35,000 To 50,000, Deduct	-0.92	
		For >50,000 To 70,000, Deduct	-1.21	
		For >70,000, Deduct	-1.50	
03 31 13 00-0013	SF	8" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	12.56	
		For 2,000 PSI Concrete, Deduct	-0.40	
		For 2,500 PSI Concrete, Deduct	-0.20	
		For 3,500 PSI Concrete, Add	0.14	
		For 4,000 PSI Concrete, Add	0.47	
		For 4,500 PSI Concrete, Add	0.59	
		For 5,000 PSI Concrete, Add	0.68	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.60	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.89	
		For Up To 500, Add	4.54	
		For >500 To 1,000, Add	3.15	
		For >1,000 To 2,000, Add	1.76	
		For >2,000 To 5,000, Add	0.88	
		For >10,000 To 20,000, Deduct	-0.37	
		For >20,000 To 35,000, Deduct	-0.69	
		For >35,000 To 50,000, Deduct	-1.00	
		For >50,000 To 70,000, Deduct	-1.32	
		For >70,000, Deduct	-1.63	
03 31 13 00-0014	SF	10" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	14.93	
		For 2,000 PSI Concrete, Deduct	-0.51	
		For 2,500 PSI Concrete, Deduct	-0.26	
		For 3,500 PSI Concrete, Add	0.18	
		For 4,000 PSI Concrete, Add	0.60	
		For 4,500 PSI Concrete, Add	0.75	
		For 5,000 PSI Concrete, Add	0.86	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.60	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.89	
		For Up To 500, Add	5.17	
		For >500 To 1,000, Add	3.60	
		For >1,000 To 2,000, Add	2.04	
		For >2,000 To 5,000, Add	1.02	
		For >10,000 To 20,000, Deduct	-0.47	
		For >20,000 To 35,000, Deduct	-0.85	
		For >35,000 To 50,000, Deduct	-1.22	
		For >50,000 To 70,000, Deduct	-1.59	
		For >70,000, Deduct	-1.97	
03 31 13 00-0015	SF	12" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	16.76	
		For 2,000 PSI Concrete, Deduct	-0.59	
		For 2,500 PSI Concrete, Deduct	-0.29	
		For 3,500 PSI Concrete, Add	0.21	
		For 4,000 PSI Concrete, Add	0.69	
		For 4,500 PSI Concrete, Add	0.86	
		For 5,000 PSI Concrete, Add	0.99	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.60	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.89	
		For Up To 500, Add	5.69	
		For >500 To 1,000, Add	3.98	
		For >1,000 To 2,000, Add	2.26	
		For >2,000 To 5,000, Add	1.13	
		For >10,000 To 20,000, Deduct	-0.55	
		For >20,000 To 35,000, Deduct	-0.96	
		For >35,000 To 50,000, Deduct	-1.38	
		For >50,000 To 70,000, Deduct	-1.80	
		For >70,000, Deduct	-2.22	

03 31 13 00-0016 Concrete Delivery And Placement (03 31 13)

Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.

03 31 13 00-0017 Place Concrete By Method Indicated (03 31 13 00-0016)

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0018 Place Concrete Pile Caps (03 31 13 00-0017)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0019	CY		Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	319.34	
			For 2,000 PSI Concrete, Deduct	-9.86	
			For 2,500 PSI Concrete, Deduct	-4.93	
			For 3,500 PSI Concrete, Add	9.13	
			For 3,750 PSI Concrete, Add	12.41	
			For 4,000 PSI Concrete, Add	15.70	
			For 4,500 PSI Concrete, Add	18.26	
			For 5,000 PSI Concrete, Add	20.81	
			For 6,000 PSI Concrete, Add	49.29	
			For 7,500 PSI Concrete, Add	122.40	
			For White Cement Concrete, Add	21.91	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
			For High Early Strength, Type 3 ASTM C150, Add	18.26	
			For Lightweight Aggregate, ASTM C330, Add	63.89	
			For Up To 20, Add	54.72	
			For >20 To 50, Add	20.52	
			For >100 To 200, Deduct	-6.39	
			For >200 To 400, Deduct	-12.77	
			For >400, Deduct	-19.16	
03 31 13 00-0020	CY		Direct Chute, Place 3,000 PSI Concrete Pile Caps	243.44	
			For 2,000 PSI Concrete, Deduct	-9.86	
			For 2,500 PSI Concrete, Deduct	-4.93	
			For 3,500 PSI Concrete, Add	9.13	
			For 3,750 PSI Concrete, Add	12.41	
			For 4,000 PSI Concrete, Add	15.70	
			For 4,500 PSI Concrete, Add	18.26	
			For 5,000 PSI Concrete, Add	20.81	
			For 6,000 PSI Concrete, Add	49.29	
			For 7,500 PSI Concrete, Add	122.40	
			For White Cement Concrete, Add	21.91	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
			For High Early Strength, Type 3 ASTM C150, Add	18.26	
			For Lightweight Aggregate, ASTM C330, Add	63.89	
			For Up To 20, Add	24.36	
			For >20 To 50, Add	9.13	
			For >100 To 200, Deduct	-4.87	
			For >200 To 400, Deduct	-9.74	
			For >400, Deduct	-14.61	
03 31 13 00-0021	CY		Concrete Pump, Place 3,000 PSI Concrete Pile Caps	255.76	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.68	
			For 2,500 PSI Concrete, Deduct	-5.34	
			For 3,500 PSI Concrete, Add	9.89	
			For 3,750 PSI Concrete, Add	13.45	
			For 4,000 PSI Concrete, Add	17.01	
			For 4,500 PSI Concrete, Add	19.78	
			For 5,000 PSI Concrete, Add	22.54	
			For 6,000 PSI Concrete, Add	53.40	
			For 7,500 PSI Concrete, Add	132.60	
			For White Cement Concrete, Add	23.73	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
			For High Early Strength, Type 3 ASTM C150, Add	19.78	
			For Lightweight Aggregate, ASTM C330, Add	69.22	
			For Up To 20, Add	23.20	
			For >20 To 50, Add	8.70	
			For >100 To 200, Deduct	-5.12	
			For >200 To 400, Deduct	-10.23	
			For >400, Deduct	-15.35	

03 31 13 00-0022 Place Concrete Continuous Footings (03 31 13 00-0017)

03 31 13 00-0023	CY		Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	304.14	
			For 2,000 PSI Concrete, Deduct	-9.86	
			For 2,500 PSI Concrete, Deduct	-4.93	
			For 3,500 PSI Concrete, Add	9.13	
			For 3,750 PSI Concrete, Add	12.41	
			For 4,000 PSI Concrete, Add	15.70	
			For 4,500 PSI Concrete, Add	18.26	
			For 5,000 PSI Concrete, Add	20.81	
			For 6,000 PSI Concrete, Add	49.29	
			For 7,500 PSI Concrete, Add	122.40	
			For White Cement Concrete, Add	21.91	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
			For High Early Strength, Type 3 ASTM C150, Add	18.26	
			For Lightweight Aggregate, ASTM C330, Add	63.89	
			For Up To 20, Add	48.64	
			For >20 To 50, Add	18.24	
			For >100 To 200, Deduct	-6.08	
			For >200 To 400, Deduct	-12.17	
			For >400, Deduct	-18.25	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0024	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	236.68	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	21.65	
		For >20 To 50, Add	8.12	
		For >100 To 200, Deduct	-4.73	
		For >200 To 400, Deduct	-9.47	
		For >400, Deduct	-14.20	
03 31 13 00-0025	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings	249.31	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	20.62	
		For >20 To 50, Add	7.73	
		For >100 To 200, Deduct	-4.99	
		For >200 To 400, Deduct	-9.97	
		For >400, Deduct	-14.96	

03 31 13 00-0026 Place Concrete Spread Footings (03 31 13 00-0017)

03 31 13 00-0027	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	387.74	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	82.08	
		For >20 To 50, Add	30.78	
		For >100 To 200, Deduct	-7.75	
		For >200 To 400, Deduct	-15.51	
		For >400, Deduct	-23.26	
03 31 13 00-0028	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings.....	273.89	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	36.54	
		For >20 To 50, Add	13.70	
		For >100 To 200, Deduct	-5.48	
		For >200 To 400, Deduct	-10.96	
		For >400, Deduct	-16.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0029	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings		284.76	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-10.68	
		For 2,500 PSI Concrete, Deduct		-5.34	
		For 3,500 PSI Concrete, Add		9.89	
		For 3,750 PSI Concrete, Add		13.45	
		For 4,000 PSI Concrete, Add		17.01	
		For 4,500 PSI Concrete, Add		19.78	
		For 5,000 PSI Concrete, Add		22.54	
		For 6,000 PSI Concrete, Add		53.40	
		For 7,500 PSI Concrete, Add		132.60	
		For White Cement Concrete, Add		23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		25.71	
		For High Early Strength, Type 3 ASTM C150, Add		19.78	
		For Lightweight Aggregate, ASTM C330, Add		69.22	
		For Up To 20, Add		34.80	
		For >20 To 50, Add		13.05	
		For >100 To 200, Deduct		-5.70	
		For >200 To 400, Deduct		-11.39	
		For >400, Deduct		-17.09	

03 31 13 00-0030 Place Concrete Mat Foundation (03 31 13 00-0017)

03 31 13 00-0031	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation.....		219.03	
		For 2,000 PSI Concrete, Deduct		-9.86	
		For 2,500 PSI Concrete, Deduct		-4.93	
		For 3,500 PSI Concrete, Add		9.13	
		For 3,750 PSI Concrete, Add		12.41	
		For 4,000 PSI Concrete, Add		15.70	
		For 4,500 PSI Concrete, Add		18.26	
		For 5,000 PSI Concrete, Add		20.81	
		For 6,000 PSI Concrete, Add		49.29	
		For 7,500 PSI Concrete, Add		122.40	
		For White Cement Concrete, Add		21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		23.73	
		For High Early Strength, Type 3 ASTM C150, Add		18.26	
		For Lightweight Aggregate, ASTM C330, Add		63.89	
		For Up To 20, Add		14.59	
		For >20 To 50, Add		5.47	
		For >100 To 200, Deduct		-4.38	
		For >200 To 400, Deduct		-8.76	
		For >400, Deduct		-13.14	

03 31 13 00-0032	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....		198.79	
		For 2,000 PSI Concrete, Deduct		-9.86	
		For 2,500 PSI Concrete, Deduct		-4.93	
		For 3,500 PSI Concrete, Add		9.13	
		For 3,750 PSI Concrete, Add		12.41	
		For 4,000 PSI Concrete, Add		15.70	
		For 4,500 PSI Concrete, Add		18.26	
		For 5,000 PSI Concrete, Add		20.81	
		For 6,000 PSI Concrete, Add		49.29	
		For 7,500 PSI Concrete, Add		122.40	
		For White Cement Concrete, Add		21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		23.73	
		For High Early Strength, Type 3 ASTM C150, Add		18.26	
		For Lightweight Aggregate, ASTM C330, Add		63.89	
		For Up To 20, Add		6.50	
		For >20 To 50, Add		2.44	
		For >100 To 200, Deduct		-3.98	
		For >200 To 400, Deduct		-7.95	
		For >400, Deduct		-11.93	

03 31 13 00-0033	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....		211.30	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-10.68	
		For 2,500 PSI Concrete, Deduct		-5.34	
		For 3,500 PSI Concrete, Add		9.89	
		For 3,750 PSI Concrete, Add		13.45	
		For 4,000 PSI Concrete, Add		17.01	
		For 4,500 PSI Concrete, Add		19.78	
		For 5,000 PSI Concrete, Add		22.54	
		For 6,000 PSI Concrete, Add		53.40	
		For 7,500 PSI Concrete, Add		132.60	
		For White Cement Concrete, Add		23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		25.71	
		For High Early Strength, Type 3 ASTM C150, Add		19.78	
		For Lightweight Aggregate, ASTM C330, Add		69.22	
		For Up To 20, Add		5.42	
		For >20 To 50, Add		2.03	
		For >100 To 200, Deduct		-4.23	
		For >200 To 400, Deduct		-8.45	
		For >400, Deduct		-12.68	

03 31 13 00-0034 Place Concrete Grade Beams (03 31 13 00-0017)

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0035	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	279.82	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	38.91	
		For >20 To 50, Add	14.59	
		For >100 To 200, Deduct	-5.60	
		For >200 To 400, Deduct	-11.19	
		For >400, Deduct	-16.79	
03 31 13 00-0036	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	225.85	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	17.32	
		For >20 To 50, Add	6.50	
		For >100 To 200, Deduct	-4.52	
		For >200 To 400, Deduct	-9.03	
		For >400, Deduct	-13.55	
03 31 13 00-0037	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	239.00	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	16.50	
		For >20 To 50, Add	6.19	
		For >100 To 200, Deduct	-4.78	
		For >200 To 400, Deduct	-9.56	
		For >400, Deduct	-14.34	

03 31 13 00-0038 Place Concrete Slab On Grade (03 31 13 00-0017)

03 31 13 00-0039	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	282.11	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	39.82	
		For >20 To 50, Add	14.93	
		For >100 To 200, Deduct	-5.64	
		For >200 To 400, Deduct	-11.28	
		For >400, Deduct	-16.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0040	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	258.10		
		For 2,000 PSI Concrete, Deduct	-9.86		
		For 2,500 PSI Concrete, Deduct	-4.93		
		For 3,500 PSI Concrete, Add	9.13		
		For 3,750 PSI Concrete, Add	12.41		
		For 4,000 PSI Concrete, Add	15.70		
		For 4,500 PSI Concrete, Add	18.26		
		For 5,000 PSI Concrete, Add	20.81		
		For 6,000 PSI Concrete, Add	49.29		
		For 7,500 PSI Concrete, Add	122.40		
		For White Cement Concrete, Add	21.91		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73		
		For High Early Strength, Type 3 ASTM C150, Add	18.26		
		For Lightweight Aggregate, ASTM C330, Add	63.89		
		For Up To 20, Add	30.22		
		For >20 To 50, Add	11.33		
		For >100 To 200, Deduct	-5.16		
		For >200 To 400, Deduct	-10.32		
		For >400, Deduct	-15.49		
03 31 13 00-0041	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	226.87		
		For 2,000 PSI Concrete, Deduct	-9.86		
		For 2,500 PSI Concrete, Deduct	-4.93		
		For 3,500 PSI Concrete, Add	9.13		
		For 3,750 PSI Concrete, Add	12.41		
		For 4,000 PSI Concrete, Add	15.70		
		For 4,500 PSI Concrete, Add	18.26		
		For 5,000 PSI Concrete, Add	20.81		
		For 6,000 PSI Concrete, Add	49.29		
		For 7,500 PSI Concrete, Add	122.40		
		For White Cement Concrete, Add	21.91		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73		
		For High Early Strength, Type 3 ASTM C150, Add	18.26		
		For Lightweight Aggregate, ASTM C330, Add	63.89		
		For Up To 20, Add	17.73		
		For >20 To 50, Add	6.65		
		For >100 To 200, Deduct	-4.54		
		For >200 To 400, Deduct	-9.07		
		For >400, Deduct	-13.61		
03 31 13 00-0042	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	216.17		
		For 2,000 PSI Concrete, Deduct	-9.86		
		For 2,500 PSI Concrete, Deduct	-4.93		
		For 3,500 PSI Concrete, Add	9.13		
		For 3,750 PSI Concrete, Add	12.41		
		For 4,000 PSI Concrete, Add	15.70		
		For 4,500 PSI Concrete, Add	18.26		
		For 5,000 PSI Concrete, Add	20.81		
		For 6,000 PSI Concrete, Add	49.29		
		For 7,500 PSI Concrete, Add	122.40		
		For White Cement Concrete, Add	21.91		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73		
		For High Early Strength, Type 3 ASTM C150, Add	18.26		
		For Lightweight Aggregate, ASTM C330, Add	63.89		
		For Up To 20, Add	13.45		
		For >20 To 50, Add	5.04		
		For >100 To 200, Deduct	-4.32		
		For >200 To 400, Deduct	-8.65		
		For >400, Deduct	-12.97		
03 31 13 00-0043	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	234.70		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-10.68		
		For 2,500 PSI Concrete, Deduct	-5.34		
		For 3,500 PSI Concrete, Add	9.89		
		For 3,750 PSI Concrete, Add	13.45		
		For 4,000 PSI Concrete, Add	17.01		
		For 4,500 PSI Concrete, Add	19.78		
		For 5,000 PSI Concrete, Add	22.54		
		For 6,000 PSI Concrete, Add	53.40		
		For 7,500 PSI Concrete, Add	132.60		
		For White Cement Concrete, Add	23.73		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71		
		For High Early Strength, Type 3 ASTM C150, Add	19.78		
		For Lightweight Aggregate, ASTM C330, Add	69.22		
		For Up To 20, Add	14.78		
		For >20 To 50, Add	5.54		
		For >100 To 200, Deduct	-4.69		
		For >200 To 400, Deduct	-9.39		
		For >400, Deduct	-14.08		

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0044	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	225.78	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	11.21	
		For >20 To 50, Add	4.20	
		For >100 To 200, Deduct	-4.52	
		For >200 To 400, Deduct	-9.03	
		For >400, Deduct	-13.55	

03 31 13 00-0045 Place Concrete Stairs (03 31 13 00-0017)

03 31 13 00-0046	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs.....	630.50	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	179.18	
		For >20 To 50, Add	67.19	
		For >100 To 200, Deduct	-12.61	
		For >200 To 400, Deduct	-25.22	
		For >400, Deduct	-37.83	
03 31 13 00-0047	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs.....	382.00	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	79.78	
		For >20 To 50, Add	29.92	
		For >100 To 200, Deduct	-7.64	
		For >200 To 400, Deduct	-15.28	
		For >400, Deduct	-22.92	
03 31 13 00-0048	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs	363.98	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	66.49	
		For >20 To 50, Add	24.93	
		For >100 To 200, Deduct	-7.28	
		For >200 To 400, Deduct	-14.56	
		For >400, Deduct	-21.84	

03 31 13 00-0049 Place Concrete Superstructure By Method Indicated (03 31 13 00-0016)

See CSI section 03 37 16 00-0001 for concrete pump truck.

03 31 13 00-0050 Place Elevated Concrete Beams (03 31 13 00-0049)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0051	CY		Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	425.74	
			For 2,000 PSI Concrete, Deduct	-9.86	
			For 2,500 PSI Concrete, Deduct	-4.93	
			For 3,500 PSI Concrete, Add	9.13	
			For 3,750 PSI Concrete, Add	12.41	
			For 4,000 PSI Concrete, Add	15.70	
			For 4,500 PSI Concrete, Add	18.26	
			For 5,000 PSI Concrete, Add	20.81	
			For 6,000 PSI Concrete, Add	49.29	
			For 7,500 PSI Concrete, Add	122.40	
			For White Cement Concrete, Add	21.91	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
			For High Early Strength, Type 3 ASTM C150, Add	18.26	
			For Lightweight Aggregate, ASTM C330, Add	63.89	
			For Up To 20, Add	97.28	
			For >20 To 50, Add	36.48	
			For >100 To 200, Deduct	-8.51	
			For >200 To 400, Deduct	-17.03	
			For >400, Deduct	-25.54	
03 31 13 00-0052	CY		Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	300.87	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.68	
			For 2,500 PSI Concrete, Deduct	-5.34	
			For 3,500 PSI Concrete, Add	9.89	
			For 3,750 PSI Concrete, Add	13.45	
			For 4,000 PSI Concrete, Add	17.01	
			For 4,500 PSI Concrete, Add	19.78	
			For 5,000 PSI Concrete, Add	22.54	
			For 6,000 PSI Concrete, Add	53.40	
			For 7,500 PSI Concrete, Add	132.60	
			For White Cement Concrete, Add	23.73	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
			For High Early Strength, Type 3 ASTM C150, Add	19.78	
			For Lightweight Aggregate, ASTM C330, Add	69.22	
			For Up To 20, Add	41.24	
			For >20 To 50, Add	15.47	
			For >100 To 200, Deduct	-6.02	
			For >200 To 400, Deduct	-12.03	
			For >400, Deduct	-18.05	

03 31 13 00-0053 Place Elevated Concrete Slab (03 31 13 00-0049)

03 31 13 00-0054	CY		Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	297.04	
			For 2,000 PSI Concrete, Deduct	-9.86	
			For 2,500 PSI Concrete, Deduct	-4.93	
			For 3,500 PSI Concrete, Add	9.13	
			For 3,750 PSI Concrete, Add	12.41	
			For 4,000 PSI Concrete, Add	15.70	
			For 4,500 PSI Concrete, Add	18.26	
			For 5,000 PSI Concrete, Add	20.81	
			For 6,000 PSI Concrete, Add	49.29	
			For 7,500 PSI Concrete, Add	122.40	
			For White Cement Concrete, Add	21.91	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
			For High Early Strength, Type 3 ASTM C150, Add	18.26	
			For Lightweight Aggregate, ASTM C330, Add	63.89	
			For Up To 20, Add	45.80	
			For >20 To 50, Add	17.17	
			For >100 To 200, Deduct	-5.94	
			For >200 To 400, Deduct	-11.88	
			For >400, Deduct	-17.82	
03 31 13 00-0055	CY		>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	269.42	
			For 2,000 PSI Concrete, Deduct	-9.86	
			For 2,500 PSI Concrete, Deduct	-4.93	
			For 3,500 PSI Concrete, Add	9.13	
			For 3,750 PSI Concrete, Add	12.41	
			For 4,000 PSI Concrete, Add	15.70	
			For 4,500 PSI Concrete, Add	18.26	
			For 5,000 PSI Concrete, Add	20.81	
			For 6,000 PSI Concrete, Add	49.29	
			For 7,500 PSI Concrete, Add	122.40	
			For White Cement Concrete, Add	21.91	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
			For High Early Strength, Type 3 ASTM C150, Add	18.26	
			For Lightweight Aggregate, ASTM C330, Add	63.89	
			For Up To 20, Add	34.75	
			For >20 To 50, Add	13.03	
			For >100 To 200, Deduct	-5.39	
			For >200 To 400, Deduct	-10.78	
			For >400, Deduct	-16.17	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0056	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab.....	246.30	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	19.42	
		For >20 To 50, Add	7.28	
		For >100 To 200, Deduct	-4.93	
		For >200 To 400, Deduct	-9.85	
		For >400, Deduct	-14.78	
03 31 13 00-0057	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	234.59	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	14.73	
		For >20 To 50, Add	5.52	
		For >100 To 200, Deduct	-4.69	
		For >200 To 400, Deduct	-9.38	
		For >400, Deduct	-14.08	

03 31 13 00-0058 Place Concrete Columns (03 31 13 00-0049)

03 31 13 00-0059	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	445.19	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	105.06	
		For >20 To 50, Add	39.40	
		For >100 To 200, Deduct	-8.90	
		For >200 To 400, Deduct	-17.81	
		For >400, Deduct	-26.71	
03 31 13 00-0060	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	373.45	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	76.36	
		For >20 To 50, Add	28.64	
		For >100 To 200, Deduct	-7.47	
		For >200 To 400, Deduct	-14.94	
		For >400, Deduct	-22.41	

		Concrete	03	CS
		Cast-In-Place Concrete	03 30	
		Structural Concrete	03 31	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
				DEMOLITION UNIT COST

03 31 13 00-0061	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	322.14	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	55.84	
		For >20 To 50, Add	20.94	
		For >100 To 200, Deduct	-6.44	
		For >200 To 400, Deduct	-12.89	
		For >400, Deduct	-19.33	
03 31 13 00-0062	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	299.28	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	46.69	
		For >20 To 50, Add	17.51	
		For >100 To 200, Deduct	-5.99	
		For >200 To 400, Deduct	-11.97	
		For >400, Deduct	-17.96	
03 31 13 00-0063	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	309.12	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	44.54	
		For >20 To 50, Add	16.70	
		For >100 To 200, Deduct	-6.18	
		For >200 To 400, Deduct	-12.36	
		For >400, Deduct	-18.55	
03 31 13 00-0064	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	278.70	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	32.38	
		For >20 To 50, Add	12.14	
		For >100 To 200, Deduct	-5.57	
		For >200 To 400, Deduct	-11.15	
		For >400, Deduct	-16.72	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0065	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	256.94	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	23.67	
		For >20 To 50, Add	8.88	
		For >100 To 200, Deduct	-5.14	
		For >200 To 400, Deduct	-10.28	
		For >400, Deduct	-15.42	
03 31 13 00-0066	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	247.24	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	19.79	
		For >20 To 50, Add	7.42	
		For >100 To 200, Deduct	-4.94	
		For >200 To 400, Deduct	-9.89	
		For >400, Deduct	-14.83	

03 31 13 00-0067 Place Concrete Walls (03 31 13 00-0049)

03 31 13 00-0068	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	428.78	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	98.49	
		For >20 To 50, Add	36.93	
		For >100 To 200, Deduct	-8.58	
		For >200 To 400, Deduct	-17.15	
		For >400, Deduct	-25.73	
03 31 13 00-0069	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	408.36	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	90.32	
		For >20 To 50, Add	33.87	
		For >100 To 200, Deduct	-8.17	
		For >200 To 400, Deduct	-16.33	
		For >400, Deduct	-24.50	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0070 CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	354.91	
For 2,000 PSI Concrete, Deduct	-9.86	
For 2,500 PSI Concrete, Deduct	-4.93	
For 3,500 PSI Concrete, Add	9.13	
For 3,750 PSI Concrete, Add	12.41	
For 4,000 PSI Concrete, Add	15.70	
For 4,500 PSI Concrete, Add	18.26	
For 5,000 PSI Concrete, Add	20.81	
For 6,000 PSI Concrete, Add	49.29	
For 7,500 PSI Concrete, Add	122.40	
For White Cement Concrete, Add	21.91	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
For High Early Strength, Type 3 ASTM C150, Add	18.26	
For Lightweight Aggregate, ASTM C330, Add	63.89	
For Up To 20, Add	68.94	
For >20 To 50, Add	25.85	
For >100 To 200, Deduct	-7.10	
For >200 To 400, Deduct	-14.20	
For >400, Deduct	-21.29	
03 31 13 00-0071 CY Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	292.16	
For 2,000 PSI Concrete, Deduct	-9.86	
For 2,500 PSI Concrete, Deduct	-4.93	
For 3,500 PSI Concrete, Add	9.13	
For 3,750 PSI Concrete, Add	12.41	
For 4,000 PSI Concrete, Add	15.70	
For 4,500 PSI Concrete, Add	18.26	
For 5,000 PSI Concrete, Add	20.81	
For 6,000 PSI Concrete, Add	49.29	
For 7,500 PSI Concrete, Add	122.40	
For White Cement Concrete, Add	21.91	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
For High Early Strength, Type 3 ASTM C150, Add	18.26	
For Lightweight Aggregate, ASTM C330, Add	63.89	
For Up To 20, Add	43.84	
For >20 To 50, Add	16.44	
For >100 To 200, Deduct	-5.84	
For >200 To 400, Deduct	-11.69	
For >400, Deduct	-17.53	
03 31 13 00-0072 CY 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	270.24	
For 2,000 PSI Concrete, Deduct	-9.86	
For 2,500 PSI Concrete, Deduct	-4.93	
For 3,500 PSI Concrete, Add	9.13	
For 3,750 PSI Concrete, Add	12.41	
For 4,000 PSI Concrete, Add	15.70	
For 4,500 PSI Concrete, Add	18.26	
For 5,000 PSI Concrete, Add	20.81	
For 6,000 PSI Concrete, Add	49.29	
For 7,500 PSI Concrete, Add	122.40	
For White Cement Concrete, Add	21.91	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
For High Early Strength, Type 3 ASTM C150, Add	18.26	
For Lightweight Aggregate, ASTM C330, Add	63.89	
For Up To 20, Add	35.08	
For >20 To 50, Add	13.15	
For >100 To 200, Deduct	-5.40	
For >200 To 400, Deduct	-10.81	
For >400, Deduct	-16.21	
03 31 13 00-0073 CY 15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	259.28	
For 2,000 PSI Concrete, Deduct	-9.86	
For 2,500 PSI Concrete, Deduct	-4.93	
For 3,500 PSI Concrete, Add	9.13	
For 3,750 PSI Concrete, Add	12.41	
For 4,000 PSI Concrete, Add	15.70	
For 4,500 PSI Concrete, Add	18.26	
For 5,000 PSI Concrete, Add	20.81	
For 6,000 PSI Concrete, Add	49.29	
For 7,500 PSI Concrete, Add	122.40	
For White Cement Concrete, Add	21.91	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
For High Early Strength, Type 3 ASTM C150, Add	18.26	
For Lightweight Aggregate, ASTM C330, Add	63.89	
For Up To 20, Add	30.69	
For >20 To 50, Add	11.51	
For >100 To 200, Deduct	-5.19	
For >200 To 400, Deduct	-10.37	
For >400, Deduct	-15.56	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0074	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	302.15	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	41.76	
		For >20 To 50, Add	15.66	
		For >100 To 200, Deduct	-6.04	
		For >200 To 400, Deduct	-12.09	
		For >400, Deduct	-18.13	
03 31 13 00-0075	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	281.27	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	33.40	
		For >20 To 50, Add	12.53	
		For >100 To 200, Deduct	-5.63	
		For >200 To 400, Deduct	-11.25	
		For >400, Deduct	-16.88	
03 31 13 00-0076	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	270.84	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	29.23	
		For >20 To 50, Add	10.96	
		For >100 To 200, Deduct	-5.42	
		For >200 To 400, Deduct	-10.83	
		For >400, Deduct	-16.25	

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

03 31 13 00-0078	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs.....	680.33	
		For 2,000 PSI Concrete, Deduct	-9.86	
		For 2,500 PSI Concrete, Deduct	-4.93	
		For 3,500 PSI Concrete, Add	9.13	
		For 3,750 PSI Concrete, Add	12.41	
		For 4,000 PSI Concrete, Add	15.70	
		For 4,500 PSI Concrete, Add	18.26	
		For 5,000 PSI Concrete, Add	20.81	
		For 6,000 PSI Concrete, Add	49.29	
		For 7,500 PSI Concrete, Add	122.40	
		For White Cement Concrete, Add	21.91	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
		For High Early Strength, Type 3 ASTM C150, Add	18.26	
		For Lightweight Aggregate, ASTM C330, Add	63.89	
		For Up To 20, Add	199.11	
		For >20 To 50, Add	74.67	
		For >100 To 200, Deduct	-13.61	
		For >200 To 400, Deduct	-27.21	
		For >400, Deduct	-40.82	

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

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0079	CY		Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	404.15	
			For 2,000 PSI Concrete, Deduct	-9.86	
			For 2,500 PSI Concrete, Deduct	-4.93	
			For 3,500 PSI Concrete, Add	9.13	
			For 3,750 PSI Concrete, Add	12.41	
			For 4,000 PSI Concrete, Add	15.70	
			For 4,500 PSI Concrete, Add	18.26	
			For 5,000 PSI Concrete, Add	20.81	
			For 6,000 PSI Concrete, Add	49.29	
			For 7,500 PSI Concrete, Add	122.40	
			For White Cement Concrete, Add	21.91	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
			For High Early Strength, Type 3 ASTM C150, Add	18.26	
			For Lightweight Aggregate, ASTM C330, Add	63.89	
			For Up To 20, Add	88.64	
			For >20 To 50, Add	33.24	
			For >100 To 200, Deduct	-8.08	
			For >200 To 400, Deduct	-16.17	
			For >400, Deduct	-24.25	
03 31 13 00-0080	CY		Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	382.43	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-10.68	
			For 2,500 PSI Concrete, Deduct	-5.34	
			For 3,500 PSI Concrete, Add	9.89	
			For 3,750 PSI Concrete, Add	13.45	
			For 4,000 PSI Concrete, Add	17.01	
			For 4,500 PSI Concrete, Add	19.78	
			For 5,000 PSI Concrete, Add	22.54	
			For 6,000 PSI Concrete, Add	53.40	
			For 7,500 PSI Concrete, Add	132.60	
			For White Cement Concrete, Add	23.73	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
			For High Early Strength, Type 3 ASTM C150, Add	19.78	
			For Lightweight Aggregate, ASTM C330, Add	69.22	
			For Up To 20, Add	73.87	
			For >20 To 50, Add	27.70	
			For >100 To 200, Deduct	-7.65	
			For >200 To 400, Deduct	-15.30	
			For >400, Deduct	-22.95	

03 31 13 00-0081 Place Concrete Coping (03 31 13 00-0049)

03 31 13 00-0082	CY		Crane And Bucket, Place 3,000 PSI Concrete Coping	697.54	
			For 2,000 PSI Concrete, Deduct	-9.86	
			For 2,500 PSI Concrete, Deduct	-4.93	
			For 3,500 PSI Concrete, Add	9.13	
			For 3,750 PSI Concrete, Add	12.41	
			For 4,000 PSI Concrete, Add	15.70	
			For 4,500 PSI Concrete, Add	18.26	
			For 5,000 PSI Concrete, Add	20.81	
			For 6,000 PSI Concrete, Add	49.29	
			For 7,500 PSI Concrete, Add	122.40	
			For White Cement Concrete, Add	21.91	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
			For High Early Strength, Type 3 ASTM C150, Add	18.26	
			For Lightweight Aggregate, ASTM C330, Add	63.89	
			For Up To 20, Add	206.00	
			For >20 To 50, Add	77.25	
			For >100 To 200, Deduct	-13.95	
			For >200 To 400, Deduct	-27.90	
			For >400, Deduct	-41.85	
03 31 13 00-0083	CY		Direct Chute, Place 3,000 PSI Concrete Coping	402.66	
			For 2,000 PSI Concrete, Deduct	-9.86	
			For 2,500 PSI Concrete, Deduct	-4.93	
			For 3,500 PSI Concrete, Add	9.13	
			For 3,750 PSI Concrete, Add	12.41	
			For 4,000 PSI Concrete, Add	15.70	
			For 4,500 PSI Concrete, Add	18.26	
			For 5,000 PSI Concrete, Add	20.81	
			For 6,000 PSI Concrete, Add	49.29	
			For 7,500 PSI Concrete, Add	122.40	
			For White Cement Concrete, Add	21.91	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	23.73	
			For High Early Strength, Type 3 ASTM C150, Add	18.26	
			For Lightweight Aggregate, ASTM C330, Add	63.89	
			For Up To 20, Add	88.04	
			For >20 To 50, Add	33.02	
			For >100 To 200, Deduct	-8.05	
			For >200 To 400, Deduct	-16.11	
			For >400, Deduct	-24.16	

03 Concrete**03 30 Cast-In-Place Concrete****03 31 Structural Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 31 13 00-0084	CY	Concrete Pump, Place 3,000 PSI Concrete Coping	531.15	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-10.68	
		For 2,500 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Add	9.89	
		For 3,750 PSI Concrete, Add	13.45	
		For 4,000 PSI Concrete, Add	17.01	
		For 4,500 PSI Concrete, Add	19.78	
		For 5,000 PSI Concrete, Add	22.54	
		For 6,000 PSI Concrete, Add	53.40	
		For 7,500 PSI Concrete, Add	132.60	
		For White Cement Concrete, Add	23.73	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.71	
		For High Early Strength, Type 3 ASTM C150, Add	19.78	
		For Lightweight Aggregate, ASTM C330, Add	69.22	
		For Up To 20, Add	133.36	
		For >20 To 50, Add	50.01	
		For >100 To 200, Deduct	-10.62	
		For >200 To 400, Deduct	-21.25	
		For >400, Deduct	-31.87	

03 31 13 00-0085 Concrete Carts (03 31 13 00-0016)

Note: Used to place concrete were necessary.

03 31 13 00-0086	CY	50' Haul, Non-Motorized, Concrete Buggy	25.87	
03 31 13 00-0087	CY	150' Haul, Non-Motorized, Concrete Buggy	34.64	
03 31 13 00-0088	CY	250' Haul, Non-Motorized, Concrete Buggy	46.19	
03 31 13 00-0089	CY	50' Haul, Motorized, Concrete Buggy	11.67	
03 31 13 00-0090	CY	150' Haul, Motorized, Concrete Buggy	15.65	
03 31 13 00-0091	CY	250' Haul, Motorized, Concrete Buggy	20.86	

03 31 13 00-0092 Delivery Fee For Small Concrete Purchases (Short Load) (03 31 13)

03 31 13 00-0093	CY	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY	27.00	
		Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.		

03 31 13 00-0094 Delivery Fee For Concrete, Per Truck Load (03 31 13)

03 31 13 00-0095	EA	Concrete Delivery Fee, Per Truck	40.00	
		Note: To be added to all concrete leaving concrete yard		

03 31 16 Lightweight Structural Concrete (03 31)**03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill (03 31 16)**

03 31 16 00-0002	CY	Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range	321.24	
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03 35 Concrete Finishing (03 30)**03 35 13 High-Tolerance Concrete Floor Finishing (03 35)****03 35 13 00-0001 Floor Finishes (03 35 13)**

Note: Task is for final finish type and includes all required prior finishes.

03 35 13 00-0002	SF	Screed, Concrete Floor Finish	1.13	
		For Up To 100, Add	2.26	
		For >100 To 250, Add	0.57	
		For >250 To 500, Add	0.28	
		For >5,000 To 10,000, Deduct	-0.06	
		For >10,000, Deduct	-0.11	
03 35 13 00-0003	SF	Darby, Concrete Floor Finish	1.35	
		For Up To 100, Add	2.70	
		For >100 To 250, Add	0.68	
		For >250 To 500, Add	0.34	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000, Deduct	-0.14	
03 35 13 00-0004	SF	Broom, Concrete Floor Finish	1.49	
		For Up To 100, Add	2.98	
		For >100 To 250, Add	0.75	
		For >250 To 500, Add	0.37	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000, Deduct	-0.15	
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish	1.73	
		For Up To 100, Add	3.46	
		For >100 To 250, Add	0.87	
		For >250 To 500, Add	0.43	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000, Deduct	-0.17	
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish	1.95	
		For Up To 100, Add	3.90	
		For >100 To 250, Add	0.98	
		For >250 To 500, Add	0.49	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000, Deduct	-0.20	

03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)

			Concrete03		03
			Cast-In-Place Concrete	03 30	
			Concrete Finishing	03 35	
MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
03 35 16 00-0001			Shake On Floor Hardeners (03 35 16)		
03 35 16 00-0002 SF			0.3 Lb./SF, Metallic, Shake On Floor Hardener 1.39		
03 35 16 00-0003 SF			0.65 Lb./SF, Metallic, Shake On Floor Hardener 2.12		
03 35 16 00-0004 SF			0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener 1.32		
03 35 16 00-0005 SF			0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener 1.58		
03 35 19			Colored Concrete Finishing (03 35)		
03 35 19 00-0001			Concrete Surface Treatments (03 35 19)		
03 35 19 00-0002 SF			Acrylic Latex Bonding Agent..... 0.57		
03 35 19 00-0003 SF			Epoxy Resin Bonding Agent..... 3.38		
03 35 19 00-0004 SF			Clear Acrylic Sealer, Hardener And Dustproofers 0.40		
03 35 19 00-0005 SF			Colored Acrylic Sealer, Hardener And Dustproofers 0.42		
03 35 23			Exposed Aggregate Concrete Finishing (03 35)		
03 35 23 00-0001			Exposed Aggregate, Concrete Finish (03 35 23)		
03 35 23 00-0002 SF			Exposed Aggregate, Concrete Floor Finish 4.19		
03 35 26			Grooved Concrete Surface Finishing (03 35)		
03 35 26 00-0001			Ramp, Grooved Concrete Surface Finishing (03 35 26)		
03 35 26 00-0002 SF			Ramp, Grooved Concrete Surface Finishing 4.81		
03 35 29			Tooled Concrete Finishing (03 35)		
03 35 29 00-0001			Solid Board Concrete Finish (03 35 29)		
03 35 29 00-0002 SF			Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork 19.02		
03 35 29 00-0003			Marblecrete Finishes (03 35 29)		
03 35 29 00-0004 SF			2" Thick Marblecrete And Finish 44.26		
03 35 29 00-0005 SF			4" Thick Marblecrete And Finish 59.36		
03 35 33			Stamped Concrete Finishing (03 35)		
03 35 33 00-0001			Stamped Concrete Finishes (03 35 33)		
03 35 33 00-0002 SF			Up To 2,500 SF Stamped Concrete Finish 4.51		
03 35 33 00-0003 SF			>2,500 To 10,000 SF Stamped Concrete Finish..... 4.09		
03 35 33 00-0004 SF			>10,000 SF Stamped Concrete Finish..... 3.91		
03 35 43			Polished Concrete Finishing (03 35)		
03 35 43 00-0001			Concrete Floor Polishing System (03 35 43)		
Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.					
03 35 43 00-0002 SF			Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels..... 2.13		
			For Up To 500, Add 4.04		
			For >500 To 1,000, Add 3.74		
			For >1,000 To 2,500, Add 2.48		
			For >2,500 To 4,000, Add 1.29		
			For >4,000 To 15,000, Deduct -0.50		
			For >15,000 To 25,000, Deduct -0.63		
			For >25,000, Deduct -0.89		
03 35 43 00-0003 SF			Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels..... 1.71		
			For Up To 500, Add 3.22		
			For >500 To 1,000, Add 2.99		
			For >1,000 To 2,500, Add 1.98		
			For >2,500 To 4,000, Add 1.03		
			For >4,000 To 15,000, Deduct -0.40		
			For >15,000 To 25,000, Deduct -0.51		
			For >25,000, Deduct -0.71		
03 35 43 00-0004 SF			Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels 1.43		
			For Up To 500, Add 2.68		
			For >500 To 1,000, Add 2.48		
			For >1,000 To 2,500, Add 1.64		
			For >2,500 To 4,000, Add 0.86		
			For >4,000 To 15,000, Deduct -0.33		
			For >15,000 To 25,000, Deduct -0.42		
			For >25,000, Deduct -0.59		
03 35 43 00-0005 SF			Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels..... 1.33		
			For Up To 500, Add 2.48		
			For >500 To 1,000, Add 2.30		
			For >1,000 To 2,500, Add 1.52		
			For >2,500 To 4,000, Add 0.79		
			For >4,000 To 15,000, Deduct -0.31		
			For >15,000 To 25,000, Deduct -0.39		
			For >25,000, Deduct -0.55		

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	1.23
		For Up To 500, Add	2.29
		For >500 To 1,000, Add	2.12
		For >1,000 To 2,500, Add	1.40
		For >2,500 To 4,000, Add	0.73
		For >8,000 To 15,000, Deduct	-0.28
		For >15,000 To 25,000, Deduct	-0.36
		For >25,000, Deduct	-0.51
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	1.23
		For Up To 500, Add	2.29
		For >500 To 1,000, Add	2.12
		For >1,000 To 2,500, Add	1.40
		For >2,500 To 4,000, Add	0.73
		For >8,000 To 15,000, Deduct	-0.28
		For >15,000 To 25,000, Deduct	-0.36
		For >25,000, Deduct	-0.51
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	1.23
		For Up To 500, Add	2.29
		For >500 To 1,000, Add	2.12
		For >1,000 To 2,500, Add	1.40
		For >2,500 To 4,000, Add	0.73
		For >8,000 To 15,000, Deduct	-0.28
		For >15,000 To 25,000, Deduct	-0.36
		For >25,000, Deduct	-0.51
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	1.23
		For Up To 500, Add	2.29
		For >500 To 1,000, Add	2.12
		For >1,000 To 2,500, Add	1.40
		For >2,500 To 4,000, Add	0.73
		For >8,000 To 15,000, Deduct	-0.28
		For >15,000 To 25,000, Deduct	-0.36
		For >25,000, Deduct	-0.51
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads.....	0.31
		For Up To 500, Add	0.50
		For >500 To 1,000, Add	0.47
		For >1,000 To 2,500, Add	0.31
		For >2,500 To 4,000, Add	0.16
		For >8,000 To 15,000, Deduct	-0.06
		For >15,000 To 25,000, Deduct	-0.08
		For >25,000, Deduct	-0.11
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.62
		For Up To 500, Add	0.62
		For >500 To 1,000, Add	0.58
		For >1,000 To 2,500, Add	0.38
		For >2,500 To 4,000, Add	0.20
		For >8,000 To 15,000, Deduct	-0.08
		For >15,000 To 25,000, Deduct	-0.10
		For >25,000, Deduct	-0.14
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing.....	1.08
		For Up To 500, Add	0.91
		For >500 To 1,000, Add	0.85
		For >1,000 To 2,500, Add	0.56
		For >2,500 To 4,000, Add	0.29
		For >8,000 To 15,000, Deduct	-0.11
		For >15,000 To 25,000, Deduct	-0.14
		For >25,000, Deduct	-0.20
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up.....	0.16
		For Up To 500, Add	0.31
		For >500 To 1,000, Add	0.29
		For >1,000 To 2,500, Add	0.19
		For >2,500 To 4,000, Add	0.10
		For >8,000 To 15,000, Deduct	-0.04
		For >15,000 To 25,000, Deduct	-0.05
		For >25,000, Deduct	-0.07

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

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 Lb./SF	1.73
		For Up To 100, Add	2.16
		For >100 To 250, Add	0.54
		For >250 To 500, Add	0.27
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000, Deduct	-0.11
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 Lb./SF	1.58
		For Up To 100, Add	2.16
		For >100 To 250, Add	0.54
		For >250 To 500, Add	0.27
		For >5,000 To 10,000, Deduct	-0.05
		For >10,000, Deduct	-0.11

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

			Concrete	03	CS
			Cast-In-Place Concrete	03 30	
			Concrete Finishing	03 35	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION
			UNIT COST		UNIT COST

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	1.10	
		For Up To 100, Add	1.04	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.13	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000, Deduct	-0.05	

03 35 83 Concrete Wall Finishing (03 35)

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

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	2.00	
		For Up To 100, Add	3.78	
		For >100 To 250, Add	0.95	
		For >250 To 500, Add	0.47	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000, Deduct	-0.19	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	2.98	
		For Up To 100, Add	5.64	
		For >100 To 250, Add	1.41	
		For >250 To 500, Add	0.71	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000, Deduct	-0.28	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	1.20	
		For Up To 100, Add	1.24	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.16	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000, Deduct	-0.06	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	6.03	
		For Up To 100, Add	11.96	
		For >100 To 250, Add	2.99	
		For >250 To 500, Add	1.50	
		For >5,000 To 10,000, Deduct	-0.30	
		For >10,000, Deduct	-0.60	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	9.35	
		For Up To 100, Add	18.48	
		For >100 To 250, Add	4.62	
		For >250 To 500, Add	2.31	
		For >5,000 To 10,000, Deduct	-0.46	
		For >10,000, Deduct	-0.92	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	1.14	
		For Up To 100, Add	2.02	
		For >100 To 250, Add	0.51	
		For >250 To 500, Add	0.25	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000, Deduct	-0.10	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	3.89	
		For Up To 100, Add	7.52	
		For >100 To 250, Add	1.88	
		For >250 To 500, Add	0.94	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000, Deduct	-0.38	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	5.94	
		For Up To 100, Add	11.62	
		For >100 To 250, Add	2.91	
		For >250 To 500, Add	1.45	
		For >5,000 To 10,000, Deduct	-0.29	
		For >10,000, Deduct	-0.58	
03 35 83 00-0010	SF	Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes	5.91	
		Note: 4.5 Lb. of sand or abrasive media material per SF		
		For Up To 100, Add	9.52	
		For >100 To 250, Add	2.38	
		For >250 To 500, Add	1.19	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000, Deduct	-0.48	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes	11.81	
		Note: 9 Lb. of sand abrasive media material per SF		
		For Up To 100, Add	19.04	
		For >100 To 250, Add	4.76	
		For >250 To 500, Add	2.38	
		For >5,000 To 10,000, Deduct	-0.48	
		For >10,000, Deduct	-0.95	

03 37 Specialty Placed Concrete (03 30)

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

03 37 13 Shotcrete (03 37)

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

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	3.70	
		For Up To 25, Add	0.70	
		For >25 To 50, Add	0.41	
		For >50 To 150, Add	0.17	
		For High Strength Shotcrete Repair, Add	1.18	
		For Polymer Modified Shotcrete, Add	0.89	

03 Concrete**03 30 Cast-In-Place Concrete****03 37 Specialty Placed Concrete**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 37 13 00-0003	SF	1-1/2" Thick Shotcrete, Fiber Reinforced	5.10	
		For Up To 25, Add	0.94	
		For >25 To 50, Add	0.54	
		For >50 To 150, Add	0.22	
		For High Strength Shotcrete Repair, Add	1.59	
		For Polymer Modified Shotcrete, Add	1.24	
03 37 13 00-0004	SF	2" Thick Shotcrete, Fiber Reinforced	6.94	
		For Up To 25, Add	1.29	
		For >25 To 50, Add	0.74	
		For >50 To 150, Add	0.30	
		For High Strength Shotcrete Repair, Add	2.18	
		For Polymer Modified Shotcrete, Add	1.69	
03 37 13 00-0005	SF	2-1/2" Thick Shotcrete, Fiber Reinforced	8.14	
		For Up To 25, Add	1.48	
		For >25 To 50, Add	0.85	
		For >50 To 150, Add	0.33	
		For High Strength Shotcrete Repair, Add	2.51	
		For Polymer Modified Shotcrete, Add	2.00	
03 37 13 00-0006	SF	3" Thick Shotcrete, Fiber Reinforced	9.82	
		For Up To 25, Add	1.79	
		For >25 To 50, Add	1.03	
		For >50 To 150, Add	0.40	
		For High Strength Shotcrete Repair, Add	3.04	
		For Polymer Modified Shotcrete, Add	2.41	
03 37 13 00-0007	SF	4" Thick Shotcrete, Fiber Reinforced	12.37	
		For Up To 25, Add	2.20	
		For >25 To 50, Add	1.26	
		For >50 To 150, Add	0.48	
		For High Strength Shotcrete Repair, Add	3.76	
		For Polymer Modified Shotcrete, Add	3.07	
03 37 13 00-0008	SF	6" Thick Shotcrete, Fiber Reinforced	16.73	
		For Up To 25, Add	2.84	
		For >25 To 50, Add	1.62	
		For >50 To 150, Add	0.59	
		For High Strength Shotcrete Repair, Add	4.91	
		For Polymer Modified Shotcrete, Add	4.24	

03 37 13 00-0009 Gunitite (Dry Mix Shotcrete), Sprayed (03 37 13)

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

03 37 13 00-0010	SF	1" Thick Gunitite (Dry Mix Shotcrete), Sprayed	4.06	
		For Radius Or Irregular Surface, Add	1.22	
		For Up To 25, Add	0.86	
		For >25 To 50, Add	0.51	
		For >50 To 150, Add	0.23	
03 37 13 00-0011	SF	2" Thick Gunitite (Dry Mix Shotcrete), Sprayed	7.48	
		For Radius Or Irregular Surface, Add	2.18	
		For Up To 25, Add	1.57	
		For >25 To 50, Add	0.92	
		For >50 To 150, Add	0.41	
03 37 13 00-0012	SF	3" Thick Gunitite (Dry Mix Shotcrete), Sprayed	10.40	
		For Radius Or Irregular Surface, Add	2.95	
		For Up To 25, Add	2.15	
		For >25 To 50, Add	1.26	
		For >50 To 150, Add	0.55	
03 37 13 00-0013	SF	4" Thick Gunitite (Dry Mix Shotcrete), Sprayed	12.89	
		For Radius Or Irregular Surface, Add	3.54	
		For Up To 25, Add	2.62	
		For >25 To 50, Add	1.53	
		For >50 To 150, Add	0.66	
03 37 13 00-0014	SF	5" Thick Gunitite (Dry Mix Shotcrete), Sprayed	15.01	
		For Radius Or Irregular Surface, Add	3.98	
		For Up To 25, Add	2.99	
		For >25 To 50, Add	1.75	
		For >50 To 150, Add	0.75	
03 37 13 00-0015	SF	6" Thick Gunitite (Dry Mix Shotcrete), Sprayed	16.82	
		For Radius Or Irregular Surface, Add	4.30	
		For Up To 25, Add	3.29	
		For >25 To 50, Add	1.92	
		For >50 To 150, Add	0.81	
03 37 13 00-0016	SF	8" Thick Gunitite (Dry Mix Shotcrete), Sprayed	20.98	
		For Radius Or Irregular Surface, Add	5.16	
		For Up To 25, Add	4.03	
		For >25 To 50, Add	2.34	
		For >50 To 150, Add	0.97	
03 37 13 00-0017	SF	10" Thick Gunitite (Dry Mix Shotcrete), Sprayed	24.62	
		For Radius Or Irregular Surface, Add	5.80	
		For Up To 25, Add	4.64	
		For >25 To 50, Add	2.68	
		For >50 To 150, Add	1.09	
03 37 13 00-0018	SF	12" Thick Gunitite (Dry Mix Shotcrete), Sprayed	27.80	
		For Radius Or Irregular Surface, Add	6.26	
		For Up To 25, Add	5.13	
		For >25 To 50, Add	2.96	
		For >50 To 150, Add	1.17	

03 37 16 Pumped Concrete (03 37)

Concrete			03	03
Cast-In-Place Concrete			03 30	
Specialty Placed Concrete			03 37	
TOTAL DIRECT UNIT COST			DEMOLITION UNIT COST	

03 37 16 00-0001			Concrete Pumping With Boom Truck (03 37 16)		
			Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0016 for concrete placement.		
03 37 16 00-0002	HR		55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	249.87	
03 37 16 00-0003	HR		70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	269.35	
03 37 16 00-0004	HR		90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	339.70	
03 37 16 00-0005	HR		105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	383.50	
03 37 16 00-0006	HR		120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	428.70	
03 37 16 00-0007	HR		135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	524.42	
03 37 16 00-0008	HR		148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	581.53	
03 37 16 00-0009	HR		170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	719.86	
03 37 16 00-0010	HR		35 CY/HR, 66 HP Trailer Mounted Concrete Pump	166.95	
			Note: Includes hoses		

03 39 Concrete Curing (03 39)

03 39 13 Water Concrete Curing (03 39)

03 39 13 00-0001			Water Concrete Curing (03 39 13)		
03 39 13 00-0002	SF		Water Based Curing, Sealing, Hardening And Dustproofing Compound	0.37	
			Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.		

03 39 23 Membrane Concrete Curing (03 39)

03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)

03 39 23 23-0001			Warm Weather Concrete Curing Blankets (03 39 23 23)		
03 39 23 23-0002	CSF		Warm Weather Concrete Curing Blankets	35.34	

03 39 23 23-0003 Cold Weather Concrete Curing Blankets (03 39 23 23)

03 39 23 23-0004	CSF		Electric, Cold Weather Concrete Curing Blanket	183.53	
03 39 23 23-0005	CSF		Non-Electric, Cold Weather Concrete Curing Blanket	39.34	

03 40 Precast Concrete (03)

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

03 41 Precast Structural Concrete (03 40)

03 41 16 Precast Concrete Slabs (03 41)

03 41 16 00-0001			Flat Floor Slab/Floor Plank (03 41 16)		
03 41 16 00-0002			Erection Costs For Using A 90 Ton Crawler Crane (03 41 16 00-0001)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0003	EA		Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	378.74	303.02
03 41 16 00-0004	EA		Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	421.03	336.77
03 41 16 00-0005	EA		Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	447.07	357.64
03 41 16 00-0006	EA		Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	473.95	379.18
03 41 16 00-0007	EA		Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	507.20	405.74
03 41 16 00-0008	EA		Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	542.07	433.66
03 41 16 00-0009	EA		Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	582.09	465.64
03 41 16 00-0010	EA		Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	633.08	506.43
03 41 16 00-0011	EA		Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	688.35	550.74

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

			Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.		
03 41 16 00-0013	SF		4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	34.65	
			For 3,500 PSI Concrete, Add	0.69	
			For 4,000 PSI Concrete, Add	1.04	
			For 4,500 PSI Concrete, Add	1.39	
			For 5,000 PSI Concrete, Add	2.08	
03 41 16 00-0014	SF		5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	41.58	
			For 3,500 PSI Concrete, Add	0.83	
			For 4,000 PSI Concrete, Add	1.25	
			For 4,500 PSI Concrete, Add	1.66	
			For 5,000 PSI Concrete, Add	2.49	
03 41 16 00-0015	SF		6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	50.82	
			For 3,500 PSI Concrete, Add	1.02	
			For 4,000 PSI Concrete, Add	1.52	
			For 4,500 PSI Concrete, Add	2.03	
			For 5,000 PSI Concrete, Add	3.05	
03 41 16 00-0016	SF		8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	67.45	
			For 3,500 PSI Concrete, Add	1.35	
			For 4,000 PSI Concrete, Add	2.02	
			For 4,500 PSI Concrete, Add	2.70	
			For 5,000 PSI Concrete, Add	4.05	

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 41 16 00-0017	Floor Units, Combination Beam And Slab (03 41 16)		
03 41 16 00-0018	Erection Costs For Using 90 Ton Crawler Crane (03 41 16 00-0017)		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019	EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	465.48	372.37
03 41 16 00-0020	EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	507.35	405.93
03 41 16 00-0021	EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	560.76	448.55
03 41 16 00-0022	EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	622.66	498.09
03 41 16 00-0023	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	699.93	559.89
03 41 16 00-0024	Erection Costs Using A 125 Ton Crawler Crane (03 41 16 00-0017)		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025	EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane.....	585.79	468.67
03 41 16 00-0026	EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane.....	638.48	510.75
03 41 16 00-0027	EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	705.69	564.60
03 41 16 00-0028	EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	783.60	626.90
03 41 16 00-0029	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	880.83	704.74
03 41 16 00-0030	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	957.72	766.13
03 41 16 00-0031	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	1,058.54	846.83
03 41 16 00-0032	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	1,171.58	937.33
03 41 16 00-0033	EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	1,326.07	1,060.87
03 41 16 00-0034	Material Cost (03 41 16 00-0017)		
	Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035	4" Slab (03 41 16 00-0034)		
03 41 16 00-0036	CY Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,649.76	
	For 3,500 PSI Concrete, Add	73.00	
	For 4,000 PSI Concrete, Add	109.49	
	For 4,500 PSI Concrete, Add	145.99	
	For 5,000 PSI Concrete, Add	218.99	
03 41 16 00-0037	CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,695.96	
	For 3,500 PSI Concrete, Add	73.92	
	For 4,000 PSI Concrete, Add	110.88	
	For 4,500 PSI Concrete, Add	147.84	
	For 5,000 PSI Concrete, Add	221.76	
03 41 16 00-0038	CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,157.96	
	For 3,500 PSI Concrete, Add	83.16	
	For 4,000 PSI Concrete, Add	124.74	
	For 4,500 PSI Concrete, Add	166.32	
	For 5,000 PSI Concrete, Add	249.48	
03 41 16 00-0039	5" Slab (03 41 16 00-0034)		
03 41 16 00-0040	CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,742.16	
	For 3,500 PSI Concrete, Add	74.84	
	For 4,000 PSI Concrete, Add	112.26	
	For 4,500 PSI Concrete, Add	149.69	
	For 5,000 PSI Concrete, Add	224.53	
03 41 16 00-0041	CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,880.76	
	For 3,500 PSI Concrete, Add	77.62	
	For 4,000 PSI Concrete, Add	116.42	
	For 4,500 PSI Concrete, Add	155.23	
	For 5,000 PSI Concrete, Add	232.85	
03 41 16 00-0042	CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,943.35	
	For 3,500 PSI Concrete, Add	98.87	
	For 4,000 PSI Concrete, Add	148.30	
	For 4,500 PSI Concrete, Add	197.73	
	For 5,000 PSI Concrete, Add	296.60	
03 41 16 00-0043	6" Slab (03 41 16 00-0034)		
03 41 16 00-0044	CY Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,880.76	
	For 3,500 PSI Concrete, Add	77.62	
	For 4,000 PSI Concrete, Add	116.42	
	For 4,500 PSI Concrete, Add	155.23	
	For 5,000 PSI Concrete, Add	232.85	
03 41 16 00-0045	CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	4,619.96	
	For 3,500 PSI Concrete, Add	92.40	
	For 4,000 PSI Concrete, Add	138.60	
	For 4,500 PSI Concrete, Add	184.80	
	For 5,000 PSI Concrete, Add	277.20	
03 41 16 00-0046	CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	5,636.35	
	For 3,500 PSI Concrete, Add	112.73	
	For 4,000 PSI Concrete, Add	169.09	
	For 4,500 PSI Concrete, Add	225.45	
	For 5,000 PSI Concrete, Add	338.18	

03 41 19 Precast Concrete Wall Panels (03 41)

		Concrete		03	CS
		Precast Concrete		03 40	
		Precast Structural Concrete		03 41	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION	
		UNIT COST		UNIT COST	
03 41 19 00-0001	Structural Wall Panels (03 41 19)				
	Note: Gray, smooth form or board finish one side.				
03 41 19 00-0002	Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001)				
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.				
03 41 19 00-0003	EA Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	374.02		299.24	
03 41 19 00-0004	EA Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	415.78		332.57	
03 41 19 00-0005	EA Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	468.04		374.45	
03 41 19 00-0006	EA Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	500.87		400.68	
03 41 19 00-0007	EA Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	535.31		428.25	
03 41 19 00-0008	EA Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	574.83		459.83	
03 41 19 00-0009	EA Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	625.19		500.11	
03 41 19 00-0010	EA Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	679.76		543.87	
03 41 19 00-0011	Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001)				
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.				
03 41 19 00-0012	EA Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	418.73		334.94	
03 41 19 00-0013	EA Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	465.48		372.37	
03 41 19 00-0014	EA Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	523.98		419.25	
03 41 19 00-0015	EA Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	560.76		448.55	
03 41 19 00-0016	EA Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	599.31		479.45	
03 41 19 00-0017	EA Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	643.55		514.87	
03 41 19 00-0018	EA Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	699.93		559.89	
03 41 19 00-0019	EA Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	761.02		608.76	
03 41 19 00-0020	EA Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	841.14		672.96	
03 41 19 00-0021	EA Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	930.97		744.74	
03 41 19 00-0022	EA Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,053.73		843.02	
03 41 19 00-0023	EA Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,198.62		958.89	
03 41 19 00-0024	EA Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	1,389.70		1,111.78	
03 41 19 00-0025	Material Cost (03 41 19 00-0001)				
	Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.				
03 41 19 00-0026	SF 4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	46.20			
	For 3,500 PSI Concrete, Add	0.92			
	For 4,000 PSI Concrete, Add	1.39			
	For 4,500 PSI Concrete, Add	1.85			
	For 5,000 PSI Concrete, Add	2.77			
	For White Facing, Add	9.24			
	For Solid White Through Thickness, Add	9.24			
	For Broken Rib Finish, Add	4.62			
	For Fluted Surface, Add	4.62			
	For Exposed Aggregate, Add	9.24			
	For Sandblasting Of Surface, Add	4.62			
	For 2" Polystyrene Insulation, Add	2.19			
03 41 19 00-0027	SF 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	56.82			
	For 3,500 PSI Concrete, Add	1.14			
	For 4,000 PSI Concrete, Add	1.70			
	For 4,500 PSI Concrete, Add	2.27			
	For 5,000 PSI Concrete, Add	3.41			
	For White Facing, Add	11.36			
	For Solid White Through Thickness, Add	11.36			
	For Broken Rib Finish, Add	5.68			
	For Fluted Surface, Add	5.68			
	For Exposed Aggregate, Add	11.36			
	For Sandblasting Of Surface, Add	5.68			
	For 2" Polystyrene Insulation, Add	2.19			
03 41 19 00-0028	SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	68.38			
	For 3,500 PSI Concrete, Add	1.37			
	For 4,000 PSI Concrete, Add	2.05			
	For 4,500 PSI Concrete, Add	2.74			
	For 5,000 PSI Concrete, Add	4.10			
	For White Facing, Add	13.68			
	For Solid White Through Thickness, Add	13.68			
	For Broken Rib Finish, Add	6.84			
	For Fluted Surface, Add	6.84			
	For Exposed Aggregate, Add	13.68			
	For Sandblasting Of Surface, Add	6.84			
	For 2" Polystyrene Insulation, Add	2.19			
03 41 19 00-0029	SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	90.09			
	For 3,500 PSI Concrete, Add	1.80			
	For 4,000 PSI Concrete, Add	2.70			
	For 4,500 PSI Concrete, Add	3.60			
	For 5,000 PSI Concrete, Add	5.41			
	For White Facing, Add	18.02			
	For Solid White Through Thickness, Add	18.02			
	For Broken Rib Finish, Add	9.01			
	For Fluted Surface, Add	9.01			
	For Exposed Aggregate, Add	18.02			
	For Sandblasting Of Surface, Add	9.01			
	For 2" Polystyrene Insulation, Add	2.19			
03 41 19 00-0030	Partition Panels (03 41 19)				

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
03 41 19 00-0031**Erection Costs Using 20 Ton Hydraulic Crane** (03 41 19 00-0030)

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

03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	298.74	238.95
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	332.10	265.71
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	373.84	299.05
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	427.58	342.07
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	459.14	367.34
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	499.36	399.48
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	542.95	434.42
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	600.11	480.11

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

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

03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	374.02	299.24
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	415.78	332.57
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	468.04	374.45
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	535.31	428.25
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	574.83	459.83
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	625.19	500.11
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	679.76	543.87
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	751.32	601.03
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	831.55	665.25
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	941.21	752.92
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	1,070.63	856.50
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	1,241.30	993.01

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

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

03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	43.89	
		For 4,000 PSI Concrete, Add	1.32	
		For 4,500 PSI Concrete, Add	1.76	
		For 5,000 PSI Concrete, Add	2.63	
		For White Facing, Add	8.78	
		For Solid White Through Thickness, Add	8.78	
		For Broken Rib Finish, Add	4.39	
		For Fluted Surface, Add	4.39	
		For Exposed Aggregate, Add	8.78	
		For Sandblasting Of Surface, Add	4.39	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	54.05	
		For 4,000 PSI Concrete, Add	1.62	
		For 4,500 PSI Concrete, Add	2.16	
		For 5,000 PSI Concrete, Add	3.24	
		For White Facing, Add	10.81	
		For Solid White Through Thickness, Add	10.81	
		For Broken Rib Finish, Add	5.41	
		For Fluted Surface, Add	5.41	
		For Exposed Aggregate, Add	10.81	
		For Sandblasting Of Surface, Add	5.41	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	64.68	
		For 4,000 PSI Concrete, Add	1.94	
		For 4,500 PSI Concrete, Add	2.59	
		For 5,000 PSI Concrete, Add	3.88	
		For White Facing, Add	12.94	
		For Solid White Through Thickness, Add	12.94	
		For Broken Rib Finish, Add	6.47	
		For Fluted Surface, Add	6.47	
		For Exposed Aggregate, Add	12.94	
		For Sandblasting Of Surface, Add	6.47	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	85.47	
		For 4,000 PSI Concrete, Add	2.56	
		For 4,500 PSI Concrete, Add	3.42	
		For 5,000 PSI Concrete, Add	5.13	
		For White Facing, Add	17.09	
		For Solid White Through Thickness, Add	17.09	
		For Broken Rib Finish, Add	8.55	
		For Fluted Surface, Add	8.55	
		For Exposed Aggregate, Add	17.09	
		For Sandblasting Of Surface, Add	8.55	

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

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

03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	394.70	315.70
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	441.49	353.18
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	500.87	400.68
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	535.31	428.25
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	574.83	459.83
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	625.19	500.11
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	679.76	543.87
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	751.32	601.03

			Concrete	03	3
			Precast Concrete	03 40	
			Precast Structural Concrete	03 41	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 41 19 00-0068

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

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

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	441.88	353.46
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	494.28	395.41
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	560.76	448.55
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	599.31	479.45
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	643.55	514.87
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	699.93	559.89
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	761.02	608.76
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	841.14	672.96
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	930.97	744.74
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	1,053.73	843.02
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,198.62	958.89
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,389.70	1,111.78

03 41 19 00-0081

Material Cost (03 41 19 00-0058)

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

03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	43.89	
		For 3,500 PSI Concrete, Add	0.88	
		For 4,000 PSI Concrete, Add	1.32	
		For 4,500 PSI Concrete, Add	1.76	
		For 5,000 PSI Concrete, Add	2.63	
		For White Facing, Add	8.78	
		For Solid White Through Thickness, Add	8.78	
		For Broken Rib Finish, Add	4.39	
		For Fluted Surface, Add	4.39	
		For Exposed Aggregate, Add	8.78	
		For Sandblasting Of Surface, Add	4.39	
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	54.05	
		For 3,500 PSI Concrete, Add	1.08	
		For 4,000 PSI Concrete, Add	1.62	
		For 4,500 PSI Concrete, Add	2.16	
		For 5,000 PSI Concrete, Add	3.24	
		For White Facing, Add	10.81	
		For Solid White Through Thickness, Add	10.81	
		For Broken Rib Finish, Add	5.41	
		For Fluted Surface, Add	5.41	
		For Exposed Aggregate, Add	10.81	
		For Sandblasting Of Surface, Add	5.41	
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	64.68	
		For 3,500 PSI Concrete, Add	1.29	
		For 4,000 PSI Concrete, Add	1.94	
		For 4,500 PSI Concrete, Add	2.59	
		For 5,000 PSI Concrete, Add	3.88	
		For White Facing, Add	12.94	
		For Solid White Through Thickness, Add	12.94	
		For Broken Rib Finish, Add	6.47	
		For Fluted Surface, Add	6.47	
		For Exposed Aggregate, Add	12.94	
		For Sandblasting Of Surface, Add	6.47	
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	85.47	
		For 3,500 PSI Concrete, Add	1.71	
		For 4,000 PSI Concrete, Add	2.56	
		For 4,500 PSI Concrete, Add	3.42	
		For 5,000 PSI Concrete, Add	5.13	
		For White Facing, Add	17.09	
		For Solid White Through Thickness, Add	17.09	
		For Broken Rib Finish, Add	8.55	
		For Fluted Surface, Add	8.55	
		For Exposed Aggregate, Add	17.09	
		For Sandblasting Of Surface, Add	8.55	

03 41 19 00-0086

Sandwich Panel (03 41 19)

03 41 19 00-0087

Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0086)

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

03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	394.70	315.70
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	441.49	353.18
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	500.87	400.68
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	535.31	428.25
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	574.83	459.83
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	625.19	500.11
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	679.76	543.87
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	751.32	601.03

03 41 19 00-0096

Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0086)

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

03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	399.69	319.69
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	447.07	357.64
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	507.20	405.74

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	542.07	433.66
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	582.09	465.64
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	633.08	506.43
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	688.35	550.74
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	760.81	608.62
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	842.05	673.66
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	953.10	762.43
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,084.15	867.32
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,256.98	1,005.55

03 41 19 00-0109**Material Cost** (03 41 19 00-0086)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	60.06	
		For 3,500 PSI Concrete, Add	1.20	
		For 4,000 PSI Concrete, Add	1.80	
		For 4,500 PSI Concrete, Add	2.40	
		For 5,000 PSI Concrete, Add	3.60	
		For White Facing, Add	12.01	
		For Solid White Through Thickness, Add	12.01	
		For Broken Rib Finish, Add	6.01	
		For Fluted Surface, Add	6.01	
		For Exposed Aggregate, Add	12.01	
		For Sandblasting Of Surface, Add	6.01	
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	70.69	
		For 3,500 PSI Concrete, Add	1.41	
		For 4,000 PSI Concrete, Add	2.12	
		For 4,500 PSI Concrete, Add	2.83	
		For 5,000 PSI Concrete, Add	4.24	
		For White Facing, Add	14.14	
		For Solid White Through Thickness, Add	14.14	
		For Broken Rib Finish, Add	7.07	
		For Fluted Surface, Add	7.07	
		For Exposed Aggregate, Add	14.14	
		For Sandblasting Of Surface, Add	7.07	
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	82.24	
		For 3,500 PSI Concrete, Add	1.64	
		For 4,000 PSI Concrete, Add	2.47	
		For 4,500 PSI Concrete, Add	3.29	
		For 5,000 PSI Concrete, Add	4.93	
		For White Facing, Add	16.45	
		For Solid White Through Thickness, Add	16.45	
		For Broken Rib Finish, Add	8.22	
		For Fluted Surface, Add	8.22	
		For Exposed Aggregate, Add	16.45	
		For Sandblasting Of Surface, Add	8.22	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	103.95	
		For 3,500 PSI Concrete, Add	2.08	
		For 4,000 PSI Concrete, Add	3.12	
		For 4,500 PSI Concrete, Add	4.16	
		For 5,000 PSI Concrete, Add	6.24	
		For White Facing, Add	20.79	
		For Solid White Through Thickness, Add	20.79	
		For Broken Rib Finish, Add	10.40	
		For Fluted Surface, Add	10.40	
		For Exposed Aggregate, Add	20.79	
		For Sandblasting Of Surface, Add	10.40	

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

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

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	415.78	332.57
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	441.49	353.18
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	468.04	374.45
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	500.87	400.68
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	535.31	428.25
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	574.83	459.83
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	625.19	500.11
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	679.76	543.87

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

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

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	415.78	332.57
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	441.49	353.18
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	468.04	374.45
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	500.87	400.68
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	535.31	428.25
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	574.83	459.83
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	625.19	500.11
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	679.76	543.87

		Concrete 03		CS
		Precast Concrete	03 40	
		Precast Structural Concrete	03 41	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
03 41 23 00-0019	Material Cost (03 41 23) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.			
03 41 23 00-0020	EA 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	925.89		
	For 3,500 PSI Concrete, Add	120.83		
	For 4,000 PSI Concrete, Add	227.03		
	For 4,500 PSI Concrete, Add	333.69		
	For 5,000 PSI Concrete, Add	453.96		
03 41 26	Precast Concrete Structural Sections (03 41)			
03 41 26 00-0001	Precast Beams, Girder And Joists (03 41 26)			
03 41 26 00-0002	Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.			
03 41 26 00-0003	EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	523.98	419.25	
03 41 26 00-0004	EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	560.76	448.55	
03 41 26 00-0005	EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	599.31	479.45	
03 41 26 00-0006	EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	643.55	514.87	
03 41 26 00-0007	Erection Costs Using A 125 Ton Crawler Crane (03 41 26 00-0001) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.			
03 41 26 00-0008	EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	659.42	527.49	
03 41 26 00-0009	EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	705.69	564.60	
03 41 26 00-0010	EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	754.21	603.37	
03 41 26 00-0011	EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	809.89	647.87	
03 41 26 00-0012	EA Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	880.83	704.74	
03 41 26 00-0013	EA Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	957.72	766.13	
03 41 26 00-0014	EA Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,058.54	846.83	
03 41 26 00-0015	EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,171.58	937.33	
03 41 26 00-0016	Material Cost (03 41 26 00-0001) Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.			
03 41 26 00-0017	1,000 Lb./LF Live Load (03 41 26 00-0016)			
03 41 26 00-0018	LF Precast Structural Sections, 1,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	185.15		
	For 3,500 PSI Concrete, Add	5.05		
	For 4,000 PSI Concrete, Add	7.59		
	For 4,500 PSI Concrete, Add	10.11		
	For 5,000 PSI Concrete, Add	15.18		
03 41 26 00-0019	LF Precast Structural Sections, 1,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	231.44		
	For 3,500 PSI Concrete, Add	6.32		
	For 4,000 PSI Concrete, Add	9.49		
	For 4,500 PSI Concrete, Add	12.64		
	For 5,000 PSI Concrete, Add	18.98		
03 41 26 00-0020	LF Precast Structural Sections, 1,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	277.73		
	For 3,500 PSI Concrete, Add	7.58		
	For 4,000 PSI Concrete, Add	11.39		
	For 4,500 PSI Concrete, Add	15.16		
	For 5,000 PSI Concrete, Add	22.77		
03 41 26 00-0021	3,000 Lb./LF Live Load (03 41 26 00-0016)			
03 41 26 00-0022	LF Precast Structural Sections, 3,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	231.44		
	For 3,500 PSI Concrete, Add	6.32		
	For 4,000 PSI Concrete, Add	9.49		
	For 4,500 PSI Concrete, Add	12.64		
	For 5,000 PSI Concrete, Add	18.98		
03 41 26 00-0023	LF Precast Structural Sections, 3,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	277.73		
	For 3,500 PSI Concrete, Add	7.58		
	For 4,000 PSI Concrete, Add	11.39		
	For 4,500 PSI Concrete, Add	15.16		
	For 5,000 PSI Concrete, Add	22.77		
03 41 26 00-0024	LF Precast Structural Sections, 3,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	370.30		
	For 3,500 PSI Concrete, Add	10.11		
	For 4,000 PSI Concrete, Add	15.18		
	For 4,500 PSI Concrete, Add	20.22		
	For 5,000 PSI Concrete, Add	30.36		
03 41 26 00-0025	5,000 Lb./LF Live Load (03 41 26 00-0016)			
03 41 26 00-0026	LF Precast Structural Sections, 5,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	324.01		
	For 3,500 PSI Concrete, Add	8.85		
	For 4,000 PSI Concrete, Add	13.28		
	For 4,500 PSI Concrete, Add	17.69		
	For 5,000 PSI Concrete, Add	26.57		
03 41 26 00-0027	LF Precast Structural Sections, 5,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	370.30		
	For 3,500 PSI Concrete, Add	10.11		
	For 4,000 PSI Concrete, Add	15.18		
	For 4,500 PSI Concrete, Add	20.22		
	For 5,000 PSI Concrete, Add	30.36		

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 41 26 00-0028	LF	Precast Structural Sections, 5,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	462.87	
		<i>For 3,500 PSI Concrete, Add</i>	12.64	
		<i>For 4,000 PSI Concrete, Add</i>	18.98	
		<i>For 4,500 PSI Concrete, Add</i>	25.27	
		<i>For 5,000 PSI Concrete, Add</i>	37.96	

03 41 26 00-0029 Precast Concrete Columns (03 41 26)**03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0029)**

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

03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	303.26	242.57
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	322.43	257.89
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	345.54	276.46
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	370.65	296.51
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	399.69	319.69
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	433.66	346.93
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	473.95	379.18

03 41 26 00-0038 Material Cost (03 41 26 00-0029)

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

03 41 26 00-0039 12" x 12" Column, Square, Tied (03 41 26 00-0038)

03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 Lb./CY	958.30	
		<i>For 3,500 PSI Concrete, Add</i>	71.87	
		<i>For 4,000 PSI Concrete, Add</i>	135.12	
		<i>For 4,500 PSI Concrete, Add</i>	199.33	
		<i>For 5,000 PSI Concrete, Add</i>	271.20	

03 41 26 00-0041 16" x 16" Column, Square, Tied (03 41 26 00-0038)

03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 Lb./CY	981.97	
		<i>For 3,500 PSI Concrete, Add</i>	73.65	
		<i>For 4,000 PSI Concrete, Add</i>	138.46	
		<i>For 4,500 PSI Concrete, Add</i>	204.25	
		<i>For 5,000 PSI Concrete, Add</i>	277.90	

03 41 26 00-0043 20" x 20" Column, Square, Tied (03 41 26 00-0038)

03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 Lb./CY	983.86	
		<i>For 3,500 PSI Concrete, Add</i>	73.79	
		<i>For 4,000 PSI Concrete, Add</i>	138.72	
		<i>For 4,500 PSI Concrete, Add</i>	204.64	
		<i>For 5,000 PSI Concrete, Add</i>	278.43	

03 41 26 00-0045 24" x 24" Column, Square, Tied (03 41 26 00-0038)

03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 Lb./CY	983.86	
		<i>For 3,500 PSI Concrete, Add</i>	73.79	
		<i>For 4,000 PSI Concrete, Add</i>	138.72	
		<i>For 4,500 PSI Concrete, Add</i>	204.64	
		<i>For 5,000 PSI Concrete, Add</i>	278.43	

03 41 26 00-0047 28" x 28" Column, Square, Tied (03 41 26 00-0038)

03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 Lb./CY	983.86	
		<i>For 3,500 PSI Concrete, Add</i>	73.79	
		<i>For 4,000 PSI Concrete, Add</i>	138.72	
		<i>For 4,500 PSI Concrete, Add</i>	204.64	
		<i>For 5,000 PSI Concrete, Add</i>	278.43	

03 41 26 00-0049 32" x 32" Column, Square, Tied (03 41 26 00-0038)

03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 Lb./CY	981.97	
		<i>For 3,500 PSI Concrete, Add</i>	73.65	
		<i>For 4,000 PSI Concrete, Add</i>	138.46	
		<i>For 4,500 PSI Concrete, Add</i>	204.25	
		<i>For 5,000 PSI Concrete, Add</i>	277.90	

03 41 26 00-0051 36" x 36" Column, Square, Tied (03 41 26 00-0038)

03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 Lb./CY	983.86	
		<i>For 3,500 PSI Concrete, Add</i>	73.79	
		<i>For 4,000 PSI Concrete, Add</i>	138.72	
		<i>For 4,500 PSI Concrete, Add</i>	204.64	
		<i>For 5,000 PSI Concrete, Add</i>	278.43	

03 41 33 Precast Structural Pretensioned Concrete (03 41)**03 41 33 00-0001 Slabs, Roof And Floor Members (03 41 33)**

03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	19.50	2.48
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	24.31	2.48
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	29.14	2.60
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	33.98	2.73

		Concrete	03	CS
		Precast Concrete	03 40	
		Precast Structural Concrete	03 41	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

03 41 33 00-0006	Tee Members (03 41 33)			
03 41 33 00-0007	Multiple Tee, Roof And Floor (03 41 33 00-0006)			
03 41 33 00-0008	SF Prestressed Multiple Tee, Roof And Floor Members	43.88		3.23
03 41 33 00-0009	Double Tee Wall Member (03 41 33 00-0006)			
03 41 33 00-0010	SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span	61.96		8.82
03 41 33 00-0011	Single Tee, Short Span, Roof Members (03 41 33 00-0006)			
03 41 33 00-0012	SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	51.53		5.34
03 41 33 00-0013	Single Tee, Long Span, Roof Members (03 41 33 00-0006)			
03 41 33 00-0014	SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	61.89		4.60
03 41 33 00-0015	Prestressed Concrete Items (03 41 33)			
03 41 33 00-0016	Prestressed Quad Tee (03 41 33 00-0015)			
03 41 33 00-0017	SF Tees, Prestressed Quad Tee, Short Spans, Roof	31.81		1.00
03 41 33 00-0018	SF Tees, Prestressed Quad Tee, Short Spans, Floor	33.20		1.00
03 41 33 00-0019	Prestressed Double Tee (03 41 33 00-0015)			
03 41 33 00-0020	SF Tees, Double Tee, Floor Members , 60' Span	52.91		0.87
03 41 33 00-0021	SF Tees, Double Tee, Floor Members , 80' Span	72.88		0.87
03 41 33 00-0022	SF Tees, Double Tee, Roof Members, 30' Span	36.08		1.49
03 41 33 00-0023	SF Tees, Double Tee, Roof Members, 50' Span	55.94		1.00
03 41 33 00-0024	SF Tees, Double Tee, Wall Members, Up To 55' High	39.08		1.98
03 41 33 00-0025	Prestressed Single Tee (03 41 33 00-0015)			
03 41 33 00-0026	SF Tees, Single Tee Roof Members, 40' Span	62.57		2.23
03 41 33 00-0027	SF Tees, Single Tee Roof Members, 80' Span	72.53		1.37
03 41 33 00-0028	SF Tees, Single Tee Roof Members, 100' Span	95.97		1.25
03 41 33 00-0029	SF Tees, Single Tee Roof Members, 120' Span	101.06		1.25
03 41 33 00-0030	Prestressed Double Tee Floor Members (03 41 33 00-0015)			
03 41 33 00-0031	EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	16,187.04		357.65
03 41 33 00-0032	EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	17,625.49		397.38
03 41 33 00-0033	EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	29,492.47		447.05
03 41 33 00-0034	EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	6,332.11		325.23
03 41 33 00-0035	EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	8,317.07		357.65
03 41 33 00-0036	EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	10,631.77		357.65
03 41 33 00-0037	EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	11,838.75		397.38
03 41 33 00-0038	EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	15,141.35		447.05
03 41 33 00-0039	EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	27,257.90		511.13
03 41 33 00-0040	Prestressed Double Tee Roof Members (03 41 33 00-0015)			
03 41 33 00-0041	EA Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	12,715.00		357.65
03 41 33 00-0042	EA Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	16,699.61		397.38
03 41 33 00-0043	EA Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	27,409.24		447.05
03 41 33 00-0044	EA Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	8,507.92		325.23
03 41 33 00-0045	EA Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	8,965.19		357.65
03 41 33 00-0046	EA Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	9,937.36		357.65
03 41 33 00-0047	EA Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	10,218.46		397.38
03 41 33 00-0048	EA Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	13,521.06		447.05
03 41 33 00-0049	EA Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	23,322.92		511.13
03 41 33 00-0050	Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab (03 41 33)			
03 41 33 00-0051	SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	33.62		
03 41 33 00-0052	SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	35.00		
03 41 33 00-0053	SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	36.62		
03 41 33 00-0054	SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	37.81		
03 41 33 00-0055	SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	40.39		
03 41 33 00-0056	Double And Single Tees (03 41 33)			
03 41 33 00-0057	Double And Single Tees With 16" Roof And Floor Loading (03 41 33 00-0056)			
03 41 33 00-0058	SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	40.61		
03 41 33 00-0059	SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	39.65		
03 41 33 00-0060	SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	37.45		
03 41 33 00-0061	SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	40.61		
03 41 33 00-0062	SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.49		
03 41 33 00-0063	SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	62.28		
03 41 33 00-0064	SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	60.90		

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

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	57.03	
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	62.28	
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	58.40	

03 41 33 00-0068 Double And Single Tees With 24" Roof And Floor Loading (03 41 33 00-0056)

03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	41.86	
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	40.90	
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	39.53	
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	41.86	
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.49	
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	63.94	
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	62.57	
03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	60.37	
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	63.94	
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	62.16	

03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0056)

03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	44.11	
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	42.73	
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	41.35	
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	67.86	
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	65.65	
03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	63.02	

03 48 Precast Concrete Specialties (03 40)**03 48 16 Precast Concrete Splash Blocks (03 48)****03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)**

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3"	42.82	4.15
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03 48 21 Precast Concrete Handrails (03 48)**03 48 21 00-0001 Installation Cost (03 48 21)**

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

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	170.34	76.69
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	204.29	91.90

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

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

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,657.34	
		For 3,500 PSI Concrete, Add	238.64	
		For 4,000 PSI Concrete, Add	448.39	
		For 4,500 PSI Concrete, Add	659.05	
		For 5,000 PSI Concrete, Add	896.60	
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,796.23	
		For 3,500 PSI Concrete, Add	247.70	
		For 4,000 PSI Concrete, Add	465.42	
		For 4,500 PSI Concrete, Add	684.08	
		For 5,000 PSI Concrete, Add	930.65	
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,935.12	
		For 3,500 PSI Concrete, Add	256.77	
		For 4,000 PSI Concrete, Add	482.45	
		For 4,500 PSI Concrete, Add	709.11	
		For 5,000 PSI Concrete, Add	964.69	
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	4,120.30	
		For 3,500 PSI Concrete, Add	268.85	
		For 4,000 PSI Concrete, Add	505.15	
		For 4,500 PSI Concrete, Add	742.48	
		For 5,000 PSI Concrete, Add	1,010.09	

03 48 22 Precast Concrete Sun Screen and Trellis (03 48)**03 48 22 00-0001 Sun Screen Blades (03 48 22)****03 48 22 00-0002 Installation Cost (03 48 22 00-0001)**

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

03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	85.17	38.35
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	102.33	46.01
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	127.85	57.57

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

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

03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,888.82	
		For 3,500 PSI Concrete, Add	253.75	
		For 4,000 PSI Concrete, Add	476.77	
		For 4,500 PSI Concrete, Add	700.77	
		For 5,000 PSI Concrete, Add	953.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0008	CY		5" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	4,027.71	
			For 3,500 PSI Concrete, Add	262.81	
			For 4,000 PSI Concrete, Add	493.80	
			For 4,500 PSI Concrete, Add	725.79	
			For 5,000 PSI Concrete, Add	987.39	
03 48 22 00-0009	CY		6" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	4,212.89	
			For 3,500 PSI Concrete, Add	274.89	
			For 4,000 PSI Concrete, Add	516.50	
			For 4,500 PSI Concrete, Add	759.16	
			For 5,000 PSI Concrete, Add	1,032.79	
03 48 22 00-0010	CY		8" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....	4,398.07	
			For 3,500 PSI Concrete, Add	286.97	
			For 4,000 PSI Concrete, Add	539.20	
			For 4,500 PSI Concrete, Add	792.53	
			For 5,000 PSI Concrete, Add	1,078.19	
03 48 22 00-0011			Sun Screen/Trellis Units (03 48 22)		
03 48 22 00-0012			Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA		Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane.....	394.70	177.59
03 48 22 00-0014	EA		Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane.....	441.49	198.73
03 48 22 00-0015	EA		Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane.....	500.87	225.36
03 48 22 00-0016	EA		Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane.....	535.31	240.89
03 48 22 00-0017			Material Cost (03 48 22 00-0011)		
			Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY		4" Thick 3,000 PSI Concrete Precast Trellises Blades.....	4,490.66	
			For 3,500 PSI Concrete, Add	293.02	
			For 4,000 PSI Concrete, Add	550.55	
			For 4,500 PSI Concrete, Add	809.22	
			For 5,000 PSI Concrete, Add	1,100.89	
03 48 22 00-0019	CY		5" Thick 3,000 PSI Concrete Precast Trellises Blades.....	4,629.55	
			For 3,500 PSI Concrete, Add	302.08	
			For 4,000 PSI Concrete, Add	567.58	
			For 4,500 PSI Concrete, Add	834.24	
			For 5,000 PSI Concrete, Add	1,134.93	
03 48 22 00-0020	CY		6" Thick 3,000 PSI Concrete Precast Trellises Blades.....	4,814.73	
			For 3,500 PSI Concrete, Add	314.16	
			For 4,000 PSI Concrete, Add	590.29	
			For 4,500 PSI Concrete, Add	867.61	
			For 5,000 PSI Concrete, Add	1,180.33	
03 48 22 00-0021	CY		8" Thick 3,000 PSI Concrete Precast Trellises Blades.....	5,046.21	
			For 3,500 PSI Concrete, Add	329.27	
			For 4,000 PSI Concrete, Add	618.67	
			For 4,500 PSI Concrete, Add	909.33	
			For 5,000 PSI Concrete, Add	1,237.08	
03 48 24			Precast Minaret Segments (03 48)		
03 48 24 00-0001			Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002			L - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0003	EA		Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	384.08	307.26
03 48 24 00-0004	EA		Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	430.40	344.33
03 48 24 00-0005	EA		Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	486.65	389.31
03 48 24 00-0006	EA		Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	519.09	415.26
03 48 24 00-0007			O - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0008	EA		Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	405.93	324.81
03 48 24 00-0009	EA		Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	455.58	364.42
03 48 24 00-0010	EA		Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	515.96	412.72
03 48 24 00-0011	EA		Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	552.58	442.03
03 48 24 00-0012			Platform Segment (03 48 24 00-0001)		
03 48 24 00-0013	EA		Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	778.63	622.97
03 48 24 00-0014	EA		Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	941.21	752.92
03 48 24 00-0015	EA		Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	1,044.52	835.63
03 48 24 00-0016	EA		Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	1,173.28	938.67
03 48 24 00-0017			Cap Segment (03 48 24 00-0001)		
03 48 24 00-0018	EA		Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	426.12	340.86
03 48 24 00-0019	EA		Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	475.83	380.61
03 48 24 00-0020	EA		Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	542.09	433.60
03 48 24 00-0021	EA		Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	578.72	462.91
03 48 24 00-0022			Installation Costs Using A 90 Ton Crawler Crane (03 48 24)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		

03 Concrete**03 40 Precast Concrete****03 48 Precast Concrete Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 48 24 00-0023 L - Shaped Segments (03 48 24 00-0022)			
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	388.93 311.15
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	435.84 348.68
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	492.80 394.23
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	525.65 420.51
03 48 24 00-0028 O - Shaped Segment (03 48 24 00-0022)			
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	411.05 328.91
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	461.34 369.02
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	522.48 417.94
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	559.56 447.62
03 48 24 00-0033 Platform Segment (03 48 24 00-0022)			
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	628.49 502.78
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	760.81 608.62
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	842.05 673.66
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	953.10 762.43
03 48 24 00-0038 Cap Segment (03 48 24 00-0022)			
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	431.50 345.16
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	481.84 385.42
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	548.94 439.08
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	586.03 468.76
03 48 24 00-0043 Material Costs (03 48 24)			
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.			
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete	11,110.30
Note: Including Post Tension Cost			
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete	11,110.30
Note: Including Post Tension Cost			
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete	11,110.30
Note: Including Post Tension Cost			
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete	11,110.30
Note: Including Post Tension Cost			
03 48 29 Precast Accessories (03 48)			
Note: Includes installation labor, material and equipment.			
03 48 29 00-0001 Bearing Pads For Precast Members (03 48 29)			
03 48 29 00-0002 Continuous 2" Wide Strips (03 48 29 00-0001)			
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips	1.48
Note: For precast members			
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips	2.10
Note: For precast members			
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips	3.47
Note: For precast members			
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips	4.88
Note: For precast members			
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips	6.33
Note: For precast members			
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips	9.09
Note: For precast members			
03 48 29 00-0009 Bearing Pad Pipe Supports (03 48 29)			
03 48 29 00-0010	LF	4" x 4" Precast Pipe Support	13.96
03 48 46 Precast Skylight Shells (03 48)			
03 48 46 00-0001 Installation Cost Using A 90 Ton Crawler Crane (03 48 46)			
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.			
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	560.76 252.38
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	622.66 280.21
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	699.93 314.97
03 48 46 00-0005 Material Cost (03 48 46)			
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.			
03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,648.20
03 48 49 Precast Landings (03 48)			
03 48 49 00-0001	SF	3" Thick Precast Landing	114.22
03 48 49 00-0002	SF	4" Thick Precast Landing	133.28
03 48 49 00-0003	SF	5" Thick Precast Landing	151.29
03 48 49 00-0004	SF	6" Thick Precast Landing	174.38

		Concrete	03	CS
		Precast Concrete	03 40	
		Precast Concrete Specialties	03 48	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

03 48 54 Precast Concrete Blocks (03 48)

03 48 54 00-0001 Precast Interlocking Concrete Blocks (03 48 54)

Note: Includes lifting loop

03 48 54 00-0002	EA	2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	163.06	45.78
03 48 54 00-0003	EA	2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	194.17	51.50
03 48 54 00-0004	EA	2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	225.29	57.23
03 48 54 00-0005	EA	2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	304.32	62.96
03 48 54 00-0006	EA	2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	366.19	68.67

03 50 Cast Decks and Underlayment (03)

03 51 Cast Roof Decks (03 50)

03 51 13 Cementitious Wood Fiber Decks (03 51)

03 51 13 00-0001 Cement Fiber Tongue And Groove Planks (03 51 13)

03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.27	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.43	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.64	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.23	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.89	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.64	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	7.55	

03 51 16 Gypsum Concrete Roof Decks (03 51)

03 51 16 00-0001 Class A Gypsum Fill Concrete Deck (03 51 16)

03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	12.79	0.62
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	15.86	0.73
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	18.94	0.83
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	22.05	0.93
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	25.18	1.03

03 51 16 00-0007 Form Board For Lightweight Deck (03 51 16)

03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	2.60	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	3.46	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	7.16	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	2.88	0.69
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	3.50	0.69
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck	3.88	0.69
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck	4.81	0.69

03 51 16 00-0015 Gypsum Plank (03 51 16)

03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck	4.35	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck	5.72	

03 53 Concrete Topping (03 50)

Note: Installed over new or existing concrete.

03 53 14 Granolithic Concrete Topping (03 53)

03 53 14 00-0001 Granolithic Topping Laid After (03 53 14)

Note: Using 1:1:1-1/2 mix.

03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.74	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	5.11	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	6.42	

03 53 19 Concrete Overlayment (03 53)

03 53 19 00-0001 Integral Topping Including Hard Trowel Finish (03 53 19)

Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.81	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.15	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.68	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.37	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	6.20	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.29	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.92	

03 54 Cast Underlayment (03 50)

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

03 54 16 Hydraulic Cement Underlayment (03 54)

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16)

Note: Includes primer.

03 Concrete**03 50 Cast Decks and Underlayment****03 54 Cast Underlayment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors	2.08	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.16	
		For >100 To 250 SF, Add	0.08	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors	3.62	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.16	
		For >100 To 250 SF, Add	0.08	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors	5.16	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.16	
		For >100 To 250 SF, Add	0.08	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors	6.70	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.16	
		For >100 To 250 SF, Add	0.08	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors	8.24	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.16	
		For >100 To 250 SF, Add	0.08	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors	9.83	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.18	
		For >100 To 250 SF, Add	0.09	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors	12.91	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.18	
		For >100 To 250 SF, Add	0.09	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors	16.04	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.21	
		For >100 To 250 SF, Add	0.10	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors	19.13	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.21	
		For >100 To 250 SF, Add	0.10	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors	22.32	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.26	
		For >100 To 250 SF, Add	0.13	

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

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

03 61 16 Cementitious Flowable Grout ^(03 61)

03 61 16 00-0001		Cementitious Flowable Grout ^(03 61 16)		
03 61 16 00-0002	CY	Cementitious Flowable Grout	499.14	

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

03 62 13 00-0001		Fluid Type, Non-Metallic Non-Shrink Grouting For Bases ^(03 62 13)		
03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	29.80	
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	44.35	
03 62 13 00-0004		Non-Metallic Non-Shrink Grouting For Bases ^(03 62 13)		
03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	44.23	
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	70.64	
03 62 13 00-0007		Non-Metallic Non-Shrink Grouting For Joints ^(03 62 13)		
03 62 13 00-0008		1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints ^(03 62 13 00-0007)		
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.29	
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.99	
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.95	
03 62 13 00-0012		1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints ^(03 62 13 00-0007)		
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.37	
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.47	
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	5.95	

03 62 16 Metallic Non-Shrink Grouting ^(03 62)

03 62 16 00-0001		Metallic Non-Shrink Grouting For Bases ^(03 62 16)		
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	37.64	
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	57.86	

			Concrete	03	03
			Grouting	03 60	
			Non-Shrink Grouting	03 62	
MINOR	CSI	UOM	TOTAL DIRECT		DEMOLITION
		DESCRIPTION	UNIT COST		UNIT COST

03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints (03 62 16)		
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)		
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	1.88	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	2.37	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	3.15	
03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)		
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	2.57	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	3.23	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	4.31	

03 63 Epoxy Grouting (03 60)

03 63 00 00-0001		Spray On Concrete Epoxy Grout (03 63)		
		Note: (Sika 224) per thickness per coat.		
03 63 00 00-0002	SF	1/4" Thick Coat Spray On Concrete Epoxy Grout.....	4.33	
		For Color, Add	1.14	
03 63 00 00-0003	SF	3/8" Thick Coat Spray On Concrete Epoxy Grout.....	5.98	
		For Color, Add	1.70	
03 63 00 00-0004	SF	1/2" Thick Coat Spray On Concrete Epoxy Grout.....	7.67	
		For Color, Add	2.27	
03 63 00 00-0005	SF	5/8" Thick Coat Spray On Concrete Epoxy Grout.....	9.20	
		For Color, Add	2.84	
03 63 00 00-0006	SF	3/4" Thick Coat Spray On Concrete Epoxy Grout.....	10.73	
		For Color, Add	3.41	
03 63 00 00-0007	SF	1" Thick Coat Spray On Concrete Epoxy Grout.....	13.90	
		For Color, Add	4.55	

03 64 Injection Grouting (03 60)

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

03 64 23 Epoxy Injection Grouting (03 64)

03 64 23 00-0001		Pressure Injected Epoxy Grout (03 64 23)		
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout.....	1,377.57	
		For >4, Deduct	-145.67	

03 64 26 Cementitious Injection Grouting (03 64)

03 64 26 00-0001		Pressure Injected Cementitious Grout (03 64 26)		
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout.....	241.49	
		For >4, Deduct	-62.50	

03 80 Concrete Cutting and Boring (03)

03 81 Concrete Cutting (03 80)

03 81 13		Flat Concrete Sawing (03 81)		
		See CSI section 02 41 19 13-0001 for saw cutting.		
03 81 16		Track Mounted Concrete Wall Sawing (03 81)		
		See CSI section 02 41 19 13-0001 for saw cutting.		

03 82 Concrete Boring (03 80)

03 82 13		Concrete Core Drilling (03 82)		
		See CSI section 02 41 19 13-0024 for core drilling.		

END OF SECTION 03

03	03	Concrete	
	03 80	Concrete Cutting and Boring	
	03 82	Concrete Boring	



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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04 Masonry

04 01 Maintenance of Masonry ⁽⁰⁴⁾

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

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

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

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

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

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

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

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	23.39
		For Up To 10, Add	11.37
		For >10 To 50, Add	5.69
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	32.83
		For Up To 10, Add	11.37
		For >10 To 50, Add	5.69
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	43.09
		For Up To 10, Add	11.37
		For >10 To 50, Add	5.69

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

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	25.44
		For Up To 10, Add	11.37
		For >10 To 50, Add	5.69
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	36.47
		For Up To 10, Add	11.37
		For >10 To 50, Add	5.69
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	48.54
		For Up To 10, Add	11.37
		For >10 To 50, Add	5.69

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

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

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

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	65.23
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	70.59
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	195.07
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	65.23
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	70.59
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	76.70
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	88.16
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	195.07
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75

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

04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	68.15
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	74.49
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	219.41
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	68.15
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	74.49
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	81.56
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	94.98
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	219.41
		For Up To 10, Add	45.49
		For >10 To 50, Add	22.75

04 01 20 41-0030 Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.

04 01 20 41-0031 304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0030)

04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.00
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.96
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.92
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.88
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.85
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.81
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.00
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.96
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.92
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.88
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.85
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	17.77
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	12.00
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	13.92
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	15.36
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41

04 01 20 41-0047 316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) (04 01 20 41-0030)

04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.00
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.96
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
04 01 20 41-0050	EA	6-1/2"	Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.92	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0051	EA	7-1/2"	Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.88	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0052	EA	8-1/2"	Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.85	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0053	EA	9-1/2"	Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.81	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0054	EA	4-1/2"	Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.00	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0055	EA	5-1/2"	Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.96	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0056	EA	6-1/2"	Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.92	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0057	EA	7-1/2"	Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.88	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0058	EA	8-1/2"	Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.85	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0059	EA	10-1/2"	Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	17.77	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0060	EA	4-1/2"	Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	12.00	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0061	EA	6-1/2"	Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	13.92	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0062	EA	8"	Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	15.36	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
04 01 20 41-0063			Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0001)		
			Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064			304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)		
04 01 20 41-0065	EA	8mm Diameter, 115mm Length,	304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.74	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length,	304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.08	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length,	304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.15	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length,	304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.29	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0069	EA	8mm Diameter, 220mm Length,	304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.54	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length,	304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.76	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length,	304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.86	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**
 MINOR
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04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.00	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.61	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.70	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.44	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.06	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.60	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.49	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.17	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.40	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.85	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.23	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.56	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.86	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.05	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.19	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.41	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.51	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.94	
		For Up To 10, Add	6.82	
		For >10 To 50, Add	3.41	
		For Metal Stud Clip, Add	2.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0090	EA		10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.56	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0091	EA		10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.08	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0092	EA		10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.73	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0093	EA		10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.27	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0094	EA		10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.26	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0095	EA		10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	22.33	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0096	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.66	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0097	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.88	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0098	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.03	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0099	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.13	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0100	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.44	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0101	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.93	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0102	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.11	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0103	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.60	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0104	EA		10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.24	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0105	EA		10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.66	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0106	EA		10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.96	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0107	EA		10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.15	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.28
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.60
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.14
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	
		For Up To 10, Add	3.41
		For >10 To 50, Add	1.71

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

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.28
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.72
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.80
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.98
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.29
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.55
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.69
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.86
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.50
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.61
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.53
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.31
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.99
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.34
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0126	EA		8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.25	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0127	EA		8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	22.04	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0128	EA		10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.51	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0129	EA		10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.93	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0130	EA		10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.35	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0131	EA		10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.73	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0132	EA		10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.97	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0133	EA		10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.13	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0134	EA		10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.41	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0135	EA		10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.53	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0136	EA		10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.04	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0137	EA		10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.73	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0138	EA		10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.38	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0139	EA		10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.20	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0140	EA		10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.62	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0141	EA		10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.74	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0142	EA		10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	25.58	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	
04 01 20 41-0143	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.54	
			For Up To 10, Add	6.82	
			For >10 To 50, Add	3.41	
			For Metal Stud Clip, Add	2.63	

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.78
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.95
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.09
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.47
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.09
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.29
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.89
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.16
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.69
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.06
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.30
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.47
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.86
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
		For Metal Stud Clip, Add	2.63
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.57
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	
		For Up To 10, Add	3.41
		For >10 To 50, Add	1.71

04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0001)

Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.

04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)

(04 01 20 41-0158)

04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.40
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.44
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41

04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)

(04 01 20 41-0158)

04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.69
		For Up To 10, Add	6.82
		For >10 To 50, Add	3.41

			Masonry	04	04
			Maintenance of Masonry	04 01	
			Maintenance of Unit Masonry	04 01 20	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) For Up To 10, Add For >10 To 50, Add	8.76 6.82 3.41		
04 01 20 41-0165		Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0001) Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.			
04 01 20 41-0166		304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)			
04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) For Up To 10, Add For >10 To 50, Add	54.51 45.49 22.75		
04 01 20 41-0168		316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)			
04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) For Up To 10, Add For >10 To 50, Add	55.86 45.49 22.75		
04 01 20 41-0170		Unit Masonry Stabilization (04 01 20 41)			
04 01 20 41-0171		Repair Bulging Or Loose Masonry (04 01 20 41-0170)			
04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.	90.81		
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.	97.43		
04 01 20 51		Unit Masonry Maintenance (04 01 20)			
04 01 20 51-0001		Repair Masonry (04 01 20 51) Note: Includes mortar for repair.			
04 01 20 51-0002	SF	Patch And Repair Terra Cotta Walls Or Coping Note: Including Replacement Of Damaged Material	21.52		
04 01 20 51-0003	SF	Patch And Repair Terra Cotta Floors Note: Including Replacement Of Damaged Material	20.03		
04 01 20 51-0004	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4"	5.21		
04 01 20 51-0005	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	8.63		
04 01 20 51-0006	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570) For Cracks Accessible From Both Sides, Add	36.14 7.34		
04 01 20 51-0007	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52) For Cracks Accessible From Both Sides, Add	31.85 7.34		
04 01 20 51-0008	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52) For V-Grooving Crack With Grinder, Add	8.54 6.09		
04 01 20 51-0009	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52) For V-Grooving Crack With Grinder, Add	11.54 5.78		
04 01 20 51-0010		Grind Unit Masonry (04 01 20 51)			
04 01 20 51-0011	SF	Grind Smooth Masonry Wall	4.27		
04 01 20 52		Unit Masonry Cleaning (04 01 20) See CSI section 09 01 90 52-0002 for cleaning of unit masonry surfaces.			
04 01 20 91		Unit Masonry Restoration (04 01 20)			
04 01 20 91-0001		Cut And Repoint Masonry (04 01 20 91) Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.			
04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick For Common Bond, Add For Flemish Bond, Add For English Bond, Add For Oversized Or Larger Than Standard, Deduct For >250 To 1,000, Deduct For >1,000, Deduct	11.32 0.43 1.49 2.45 -1.70 -0.53 -1.10		
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick For Common Bond, Add For Flemish Bond, Add For English Bond, Add For Oversized Or Larger Than Standard, Deduct For >250 To 1,000, Deduct For >1,000, Deduct	7.90 0.29 1.01 1.66 -1.19 -0.36 -0.76		

04 Masonry**04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block.....	5.89	
		For Common Bond, Add	0.21	
		For Oversized Or Larger Than Standard, Deduct	-0.88	
		For >250 To 1,000, Deduct	-0.26	
		For >1,000, Deduct	-0.56	
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block.....	4.23	
		For Common Bond, Add	0.14	
		For Oversized Or Larger Than Standard, Deduct	-0.63	
		For >250 To 1,000, Deduct	-0.18	
		For >1,000, Deduct	-0.39	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area.....	3.48	

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

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning.....	7.40	
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning.....	14.78	
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning.....	22.18	

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

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

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

Note: Ratio is bag material to sand.

04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix.....	8.01	
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix.....	7.39	
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix.....	7.58	
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI.....	8.30	
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix.....	8.75	

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

04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar.....	0.45	
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar.....	0.08	

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

Note: Costs are based on CF of mortar.

04 05 13 26-0011	CF	Buff Colored Admixture.....	2.85	
04 05 13 26-0012	CF	Brown Colored Admixture.....	3.23	
04 05 13 26-0013	CF	Black Colored Admixture.....	4.00	
04 05 13 26-0014	CF	Red Colored Admixture.....	8.75	

04 05 13 26-0015 Portland Cement (04 05 13 26)

04 05 13 26-0016	CF	Normal Portland Cement (Type I).....	15.16	
04 05 13 26-0017	CF	Modified Portland Cement (Type II).....	7.56	
04 05 13 26-0018	CF	High Early Strength Portland Cement (Type III).....	8.03	
04 05 13 26-0019	CF	White Non-Staining Portland Cement (Type I).....	16.80	

04 05 16 Masonry Grouting (04 05)**04 05 16 26 Engineered Masonry Grouting** (04 05 16)

Note: Excludes reinforcement.

04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill (04 05 16 26)

Note: Excludes block.

04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep.....	4.92	
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep.....	5.36	
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep.....	5.97	
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep.....	6.68	

04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF).....	3.84	
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF).....	5.57	
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF).....	7.95	
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF).....	9.76	
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF).....	11.53	

04 05 16 26-0012 Grout Cavity Walls, Grout Fill (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF).....	4.51	
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF).....	6.35	
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF).....	7.97	

04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF)	10.82
04 05 16 26-0017 Grout Frames, Grout Fill (04 05 16 26)			
04 05 16 26-0018	LF	Grout Door Frames - Grout Fill	7.13
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill	6.10
04 05 16 26-0020 Sand Filled Walls (04 05 16 26)			
04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill (04 05 16 26-0020)			
Note: Per SF of face area filled.			
04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF)	3.66
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF)	5.05
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF)	6.20
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF)	8.23

04 05 19 Masonry Anchorage and Reinforcing (04 05)

04 05 19 13 Continuous Joint Reinforcing (04 05 19)

Note: Includes cutting and bending.

04 05 19 13-0001	Continuous Joint Reinforcing (04 05 19 13)		
04 05 19 13-0002	Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0001)		
04 05 19 13-0003	Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0004	Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	64.65
		For Hot-Dipped Galvanized, Add	10.06
		For Stainless Steel, Add	40.24
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	68.72
		For Hot-Dipped Galvanized, Add	10.57
		For Stainless Steel, Add	42.28
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	74.19
		For Hot-Dipped Galvanized, Add	11.14
		For Stainless Steel, Add	44.56
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.68
		For Hot-Dipped Galvanized, Add	11.79
		For Stainless Steel, Add	47.16
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.28
		For Hot-Dipped Galvanized, Add	12.42
		For Stainless Steel, Add	49.68
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.97
		For Hot-Dipped Galvanized, Add	12.73
		For Stainless Steel, Add	50.92
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.09
		For Hot-Dipped Galvanized, Add	13.08
		For Stainless Steel, Add	52.32
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.46
		For Hot-Dipped Galvanized, Add	17.98
		For Stainless Steel, Add	71.92
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.66
		For Hot-Dipped Galvanized, Add	27.80
		For Stainless Steel, Add	111.18
04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)			
04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	75.82
		For Hot-Dipped Galvanized, Add	15.64
		For Stainless Steel, Add	62.56
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	80.00
		For Hot-Dipped Galvanized, Add	16.21
		For Stainless Steel, Add	64.84
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	85.59
		For Hot-Dipped Galvanized, Add	16.84
		For Stainless Steel, Add	67.36
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	91.95
		For Hot-Dipped Galvanized, Add	17.43
		For Stainless Steel, Add	69.70

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0019	CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	99.53
	<i>For Hot-Dipped Galvanized, Add</i>	18.05
	<i>For Stainless Steel, Add</i>	72.18
04 05 19 13-0020	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.27
	<i>For Hot-Dipped Galvanized, Add</i>	18.39
	<i>For Stainless Steel, Add</i>	73.54
04 05 19 13-0021	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.33
	<i>For Hot-Dipped Galvanized, Add</i>	18.69
	<i>For Stainless Steel, Add</i>	74.76
04 05 19 13-0022	CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.30
	<i>For Hot-Dipped Galvanized, Add</i>	25.40
	<i>For Stainless Steel, Add</i>	101.60
04 05 19 13-0023	CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	162.11
	<i>For Hot-Dipped Galvanized, Add</i>	40.53
	<i>For Stainless Steel, Add</i>	162.10

04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement

(04 05 19 13-0003)

04 05 19 13-0025	CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	86.64
	<i>For Hot-Dipped Galvanized, Add</i>	21.05
	<i>For Stainless Steel, Add</i>	84.20
04 05 19 13-0026	CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	92.38
	<i>For Hot-Dipped Galvanized, Add</i>	22.21
	<i>For Stainless Steel, Add</i>	88.82
04 05 19 13-0027	CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.11
	<i>For Hot-Dipped Galvanized, Add</i>	23.36
	<i>For Stainless Steel, Add</i>	93.44
04 05 19 13-0028	CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	106.59
	<i>For Hot-Dipped Galvanized, Add</i>	24.75
	<i>For Stainless Steel, Add</i>	98.98
04 05 19 13-0029	CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	115.05
	<i>For Hot-Dipped Galvanized, Add</i>	26.12
	<i>For Stainless Steel, Add</i>	104.48
04 05 19 13-0030	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.23
	<i>For Hot-Dipped Galvanized, Add</i>	26.86
	<i>For Stainless Steel, Add</i>	107.42
04 05 19 13-0031	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	126.35
	<i>For Hot-Dipped Galvanized, Add</i>	27.49
	<i>For Stainless Steel, Add</i>	109.96
04 05 19 13-0032	CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	134.02
	<i>For Hot-Dipped Galvanized, Add</i>	28.76
	<i>For Stainless Steel, Add</i>	115.02
04 05 19 13-0033	CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	176.61
	<i>For Hot-Dipped Galvanized, Add</i>	47.77
	<i>For Stainless Steel, Add</i>	191.06

04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement

(04 05 19 13-0003)

04 05 19 13-0035	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	90.36
	<i>For Hot-Dipped Galvanized, Add</i>	22.91
	<i>For Stainless Steel, Add</i>	91.64
04 05 19 13-0036	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.39
	<i>For Hot-Dipped Galvanized, Add</i>	23.41
	<i>For Stainless Steel, Add</i>	93.62
04 05 19 13-0037	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	99.86
	<i>For Hot-Dipped Galvanized, Add</i>	23.98
	<i>For Stainless Steel, Add</i>	95.92
04 05 19 13-0038	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	106.35
	<i>For Hot-Dipped Galvanized, Add</i>	24.63
	<i>For Stainless Steel, Add</i>	98.50
04 05 19 13-0039	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	113.96
	<i>For Hot-Dipped Galvanized, Add</i>	25.26
	<i>For Stainless Steel, Add</i>	101.02
04 05 19 13-0040	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	119.65
	<i>For Hot-Dipped Galvanized, Add</i>	25.57
	<i>For Stainless Steel, Add</i>	102.26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0041 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	123.76	
For Hot-Dipped Galvanized, Add	25.92	
For Stainless Steel, Add	103.66	
04 05 19 13-0042 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	138.15	
For Hot-Dipped Galvanized, Add	30.82	
For Stainless Steel, Add	123.28	
04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0044 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	101.51	
For Hot-Dipped Galvanized, Add	28.49	
For Stainless Steel, Add	113.94	
04 05 19 13-0045 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	105.69	
For Hot-Dipped Galvanized, Add	29.06	
For Stainless Steel, Add	116.22	
04 05 19 13-0046 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	111.28	
For Hot-Dipped Galvanized, Add	29.69	
For Stainless Steel, Add	118.76	
04 05 19 13-0047 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	117.65	
For Hot-Dipped Galvanized, Add	30.28	
For Stainless Steel, Add	121.10	
04 05 19 13-0048 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	125.23	
For Hot-Dipped Galvanized, Add	30.89	
For Stainless Steel, Add	123.56	
04 05 19 13-0049 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	130.96	
For Hot-Dipped Galvanized, Add	31.23	
For Stainless Steel, Add	124.92	
04 05 19 13-0050 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	135.01	
For Hot-Dipped Galvanized, Add	31.54	
For Stainless Steel, Add	126.14	
04 05 19 13-0051 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	152.99	
For Hot-Dipped Galvanized, Add	38.25	
For Stainless Steel, Add	152.98	
04 05 19 13-0052 CLF #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	187.81	
For Hot-Dipped Galvanized, Add	53.38	
For Stainless Steel, Add	213.50	
04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)		
04 05 19 13-0054 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	112.31	
For Hot-Dipped Galvanized, Add	33.89	
For Stainless Steel, Add	135.54	
04 05 19 13-0055 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	118.06	
For Hot-Dipped Galvanized, Add	35.05	
For Stainless Steel, Add	140.18	
04 05 19 13-0056 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	123.80	
For Hot-Dipped Galvanized, Add	36.21	
For Stainless Steel, Add	144.82	
04 05 19 13-0057 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	132.27	
For Hot-Dipped Galvanized, Add	37.59	
For Stainless Steel, Add	150.34	
04 05 19 13-0058 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	140.73	
For Hot-Dipped Galvanized, Add	38.96	
For Stainless Steel, Add	155.84	
04 05 19 13-0059 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	147.91	
For Hot-Dipped Galvanized, Add	39.70	
For Stainless Steel, Add	158.78	
04 05 19 13-0060 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	152.02	
For Hot-Dipped Galvanized, Add	40.33	
For Stainless Steel, Add	161.30	
04 05 19 13-0061 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	159.69	
For Hot-Dipped Galvanized, Add	41.59	
For Stainless Steel, Add	166.36	
04 05 19 13-0062 CLF #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	202.30	
For Hot-Dipped Galvanized, Add	60.61	
For Stainless Steel, Add	242.44	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
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04 05 19 13-0063		Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)	
04 05 19 13-0064	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	116.04	
	For Hot-Dipped Galvanized, Add	35.75	
	For Stainless Steel, Add	143.00	
04 05 19 13-0065	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	120.07	
	For Hot-Dipped Galvanized, Add	36.25	
	For Stainless Steel, Add	144.98	
04 05 19 13-0066	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.54	
	For Hot-Dipped Galvanized, Add	36.82	
	For Stainless Steel, Add	147.28	
04 05 19 13-0067	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.03	
	For Hot-Dipped Galvanized, Add	37.47	
	For Stainless Steel, Add	149.86	
04 05 19 13-0068	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.64	
	For Hot-Dipped Galvanized, Add	38.10	
	For Stainless Steel, Add	152.38	
04 05 19 13-0069	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	145.33	
	For Hot-Dipped Galvanized, Add	38.41	
	For Stainless Steel, Add	153.62	
04 05 19 13-0070	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.44	
	For Hot-Dipped Galvanized, Add	38.76	
	For Stainless Steel, Add	155.02	
04 05 19 13-0071	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	163.83	
	For Hot-Dipped Galvanized, Add	43.66	
	For Stainless Steel, Add	174.64	
04 05 19 13-0072	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	188.02	
	For Hot-Dipped Galvanized, Add	53.48	
	For Stainless Steel, Add	213.90	
04 05 19 13-0073		Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)	
04 05 19 13-0074	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.19	
	For Hot-Dipped Galvanized, Add	41.33	
	For Stainless Steel, Add	165.30	
04 05 19 13-0075	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	131.37	
	For Hot-Dipped Galvanized, Add	41.90	
	For Stainless Steel, Add	167.58	
04 05 19 13-0076	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.96	
	For Hot-Dipped Galvanized, Add	42.53	
	For Stainless Steel, Add	170.12	
04 05 19 13-0077	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	143.33	
	For Hot-Dipped Galvanized, Add	43.12	
	For Stainless Steel, Add	172.46	
04 05 19 13-0078	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.91	
	For Hot-Dipped Galvanized, Add	43.73	
	For Stainless Steel, Add	174.92	
04 05 19 13-0079	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	156.64	
	For Hot-Dipped Galvanized, Add	44.07	
	For Stainless Steel, Add	176.28	
04 05 19 13-0080	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	160.69	
	For Hot-Dipped Galvanized, Add	44.38	
	For Stainless Steel, Add	177.50	
04 05 19 13-0081	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	178.67	
	For Hot-Dipped Galvanized, Add	51.09	
	For Stainless Steel, Add	204.34	
04 05 19 13-0082	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	213.49	
	For Hot-Dipped Galvanized, Add	66.22	
	For Stainless Steel, Add	264.86	
04 05 19 13-0083		Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)	
04 05 19 13-0084	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.99	
	For Hot-Dipped Galvanized, Add	46.73	
	For Stainless Steel, Add	186.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	143.74	
		<i>For Hot-Dipped Galvanized, Add</i>	47.89	
		<i>For Stainless Steel, Add</i>	191.54	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.48	
		<i>For Hot-Dipped Galvanized, Add</i>	49.05	
		<i>For Stainless Steel, Add</i>	196.18	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.95	
		<i>For Hot-Dipped Galvanized, Add</i>	50.43	
		<i>For Stainless Steel, Add</i>	201.70	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	166.42	
		<i>For Hot-Dipped Galvanized, Add</i>	51.81	
		<i>For Stainless Steel, Add</i>	207.22	
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	173.59	
		<i>For Hot-Dipped Galvanized, Add</i>	52.54	
		<i>For Stainless Steel, Add</i>	210.14	
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	177.71	
		<i>For Hot-Dipped Galvanized, Add</i>	53.17	
		<i>For Stainless Steel, Add</i>	212.68	
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	185.37	
		<i>For Hot-Dipped Galvanized, Add</i>	54.43	
		<i>For Stainless Steel, Add</i>	217.72	
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	227.98	
		<i>For Hot-Dipped Galvanized, Add</i>	73.45	
		<i>For Stainless Steel, Add</i>	293.80	

04 05 19 13-0093 Ladder-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0002)

04 05 19 13-0094 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0093)

04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	92.03	
		<i>For Hot-Dipped Galvanized, Add</i>	17.11	
		<i>For Stainless Steel, Add</i>	68.42	
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	101.58	
		<i>For Hot-Dipped Galvanized, Add</i>	18.68	
		<i>For Stainless Steel, Add</i>	74.70	
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	110.78	
		<i>For Hot-Dipped Galvanized, Add</i>	20.06	
		<i>For Stainless Steel, Add</i>	80.24	
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	118.81	
		<i>For Hot-Dipped Galvanized, Add</i>	20.87	
		<i>For Stainless Steel, Add</i>	83.46	
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	123.51	
		<i>For Hot-Dipped Galvanized, Add</i>	21.61	
		<i>For Stainless Steel, Add</i>	86.42	
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	132.58	
		<i>For Hot-Dipped Galvanized, Add</i>	23.25	
		<i>For Stainless Steel, Add</i>	93.00	
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	140.43	
		<i>For Hot-Dipped Galvanized, Add</i>	24.61	
		<i>For Stainless Steel, Add</i>	98.44	

04 05 19 13-0102 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0093)

04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	105.93	
		<i>For Hot-Dipped Galvanized, Add</i>	24.06	
		<i>For Stainless Steel, Add</i>	96.22	
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	115.51	
		<i>For Hot-Dipped Galvanized, Add</i>	25.64	
		<i>For Stainless Steel, Add</i>	102.56	
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	124.56	
		<i>For Hot-Dipped Galvanized, Add</i>	26.95	
		<i>For Stainless Steel, Add</i>	107.80	
04 05 19 13-0106	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	132.74	
		<i>For Hot-Dipped Galvanized, Add</i>	27.83	
		<i>For Stainless Steel, Add</i>	111.32	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
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04 05 19 13-0107	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	137.40
	<i>For Hot-Dipped Galvanized, Add</i>	28.55
	<i>For Stainless Steel, Add</i>	114.20
04 05 19 13-0108	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	146.48
	<i>For Hot-Dipped Galvanized, Add</i>	30.20
	<i>For Stainless Steel, Add</i>	120.80
04 05 19 13-0109	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	154.51
	<i>For Hot-Dipped Galvanized, Add</i>	31.65
	<i>For Stainless Steel, Add</i>	126.60

04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement
(04 05 19 13-0093)

04 05 19 13-0111	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	112.68
	<i>For Hot-Dipped Galvanized, Add</i>	27.43
	<i>For Stainless Steel, Add</i>	109.72
04 05 19 13-0112	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	123.86
	<i>For Hot-Dipped Galvanized, Add</i>	29.82
	<i>For Stainless Steel, Add</i>	119.26
04 05 19 13-0113	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	134.98
	<i>For Hot-Dipped Galvanized, Add</i>	32.16
	<i>For Stainless Steel, Add</i>	128.64
04 05 19 13-0114	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	143.89
	<i>For Hot-Dipped Galvanized, Add</i>	33.41
	<i>For Stainless Steel, Add</i>	133.62
04 05 19 13-0115	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	149.39
	<i>For Hot-Dipped Galvanized, Add</i>	34.55
	<i>For Stainless Steel, Add</i>	138.18
04 05 19 13-0116	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	160.04
	<i>For Hot-Dipped Galvanized, Add</i>	36.98
	<i>For Stainless Steel, Add</i>	147.92
04 05 19 13-0117	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	169.95
	<i>For Hot-Dipped Galvanized, Add</i>	39.37
	<i>For Stainless Steel, Add</i>	157.48

04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement
(04 05 19 13-0002)
04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement
(04 05 19 13-0118)

04 05 19 13-0120	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	129.44
	<i>For Hot-Dipped Galvanized, Add</i>	35.81
	<i>For Stainless Steel, Add</i>	143.24
04 05 19 13-0121	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	138.04
	<i>For Hot-Dipped Galvanized, Add</i>	36.91
	<i>For Stainless Steel, Add</i>	147.62
04 05 19 13-0122	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	146.69
	<i>For Hot-Dipped Galvanized, Add</i>	38.02
	<i>For Stainless Steel, Add</i>	152.06
04 05 19 13-0123	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	158.79
	<i>For Hot-Dipped Galvanized, Add</i>	39.25
	<i>For Stainless Steel, Add</i>	156.98
04 05 19 13-0124	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	167.04
	<i>For Hot-Dipped Galvanized, Add</i>	40.48
	<i>For Stainless Steel, Add</i>	161.92
04 05 19 13-0125	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	175.93
	<i>For Hot-Dipped Galvanized, Add</i>	42.36
	<i>For Stainless Steel, Add</i>	169.44

04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement
(04 05 19 13-0118)

04 05 19 13-0127	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	151.23
	<i>For Hot-Dipped Galvanized, Add</i>	46.71
	<i>For Stainless Steel, Add</i>	186.82
04 05 19 13-0128	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	159.86
	<i>For Hot-Dipped Galvanized, Add</i>	47.82
	<i>For Stainless Steel, Add</i>	191.26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0129 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	168.78	
For Hot-Dipped Galvanized, Add	49.06	
For Stainless Steel, Add	196.24	
04 05 19 13-0130 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	180.61	
For Hot-Dipped Galvanized, Add	50.16	
For Stainless Steel, Add	200.62	
04 05 19 13-0131 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	188.89	
For Hot-Dipped Galvanized, Add	51.41	
For Stainless Steel, Add	205.62	
04 05 19 13-0132 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	196.51	
For Hot-Dipped Galvanized, Add	52.65	
For Stainless Steel, Add	210.60	
 04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0118)		
04 05 19 13-0134 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	152.83	
For Hot-Dipped Galvanized, Add	47.51	
For Stainless Steel, Add	190.02	
04 05 19 13-0135 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	162.66	
For Hot-Dipped Galvanized, Add	49.22	
For Stainless Steel, Add	196.86	
04 05 19 13-0136 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	172.48	
For Hot-Dipped Galvanized, Add	50.91	
For Stainless Steel, Add	203.64	
04 05 19 13-0137 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	186.22	
For Hot-Dipped Galvanized, Add	52.96	
For Stainless Steel, Add	211.84	
04 05 19 13-0138 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	196.07	
For Hot-Dipped Galvanized, Add	55.00	
For Stainless Steel, Add	219.98	
04 05 19 13-0139 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	205.23	
For Hot-Dipped Galvanized, Add	57.01	
For Stainless Steel, Add	228.04	
 04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)		
04 05 19 13-0142 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	139.92	
For Hot-Dipped Galvanized, Add	37.85	
For Stainless Steel, Add	151.38	
04 05 19 13-0143 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	148.50	
For Hot-Dipped Galvanized, Add	38.92	
For Stainless Steel, Add	155.68	
04 05 19 13-0144 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	160.30	
For Hot-Dipped Galvanized, Add	40.00	
For Stainless Steel, Add	160.00	
04 05 19 13-0145 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	168.64	
For Hot-Dipped Galvanized, Add	41.28	
For Stainless Steel, Add	165.12	
04 05 19 13-0146 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	176.24	
For Hot-Dipped Galvanized, Add	42.52	
For Stainless Steel, Add	170.06	
04 05 19 13-0147 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	184.78	
For Hot-Dipped Galvanized, Add	45.00	
For Stainless Steel, Add	179.98	
 04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)		
04 05 19 13-0149 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	161.74	
For Hot-Dipped Galvanized, Add	48.76	
For Stainless Steel, Add	195.02	
04 05 19 13-0150 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	170.35	
For Hot-Dipped Galvanized, Add	49.85	
For Stainless Steel, Add	199.38	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0151	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	182.46	
		<i>For Hot-Dipped Galvanized, Add</i>	51.08	
		<i>For Stainless Steel, Add</i>	204.32	
04 05 19 13-0152	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	190.43	
		<i>For Hot-Dipped Galvanized, Add</i>	52.18	
		<i>For Stainless Steel, Add</i>	208.70	
04 05 19 13-0153	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	198.05	
		<i>For Hot-Dipped Galvanized, Add</i>	53.42	
		<i>For Stainless Steel, Add</i>	213.68	
04 05 19 13-0154	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	206.87	
		<i>For Hot-Dipped Galvanized, Add</i>	56.04	
		<i>For Stainless Steel, Add</i>	224.16	

04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement

(04 05 19 13-0140)

04 05 19 13-0156	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	163.28	
		<i>For Hot-Dipped Galvanized, Add</i>	49.53	
		<i>For Stainless Steel, Add</i>	198.10	
04 05 19 13-0157	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	173.13	
		<i>For Hot-Dipped Galvanized, Add</i>	51.24	
		<i>For Stainless Steel, Add</i>	204.94	
04 05 19 13-0158	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	186.22	
		<i>For Hot-Dipped Galvanized, Add</i>	52.96	
		<i>For Stainless Steel, Add</i>	211.84	
04 05 19 13-0159	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	196.07	
		<i>For Hot-Dipped Galvanized, Add</i>	55.00	
		<i>For Stainless Steel, Add</i>	219.98	
04 05 19 13-0160	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	205.23	
		<i>For Hot-Dipped Galvanized, Add</i>	57.01	
		<i>For Stainless Steel, Add</i>	228.04	
04 05 19 13-0161	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	214.61	
		<i>For Hot-Dipped Galvanized, Add</i>	59.91	
		<i>For Stainless Steel, Add</i>	239.64	

04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement

(04 05 19 13-0002)

04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement

(04 05 19 13-0162)

04 05 19 13-0164	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	132.74	
		<i>For Hot-Dipped Galvanized, Add</i>	34.26	
		<i>For Stainless Steel, Add</i>	137.02	
		<i>For Seismic Hook And Eye, Add</i>	14.73	
04 05 19 13-0165	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	140.95	
		<i>For Hot-Dipped Galvanized, Add</i>	35.15	
		<i>For Stainless Steel, Add</i>	140.58	
		<i>For Seismic Hook And Eye, Add</i>	15.11	
04 05 19 13-0166	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	152.51	
		<i>For Hot-Dipped Galvanized, Add</i>	36.11	
		<i>For Stainless Steel, Add</i>	144.42	
		<i>For Seismic Hook And Eye, Add</i>	15.53	
04 05 19 13-0167	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	160.32	
		<i>For Hot-Dipped Galvanized, Add</i>	37.12	
		<i>For Stainless Steel, Add</i>	148.48	
		<i>For Seismic Hook And Eye, Add</i>	15.96	
04 05 19 13-0168	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	167.58	
		<i>For Hot-Dipped Galvanized, Add</i>	38.19	
		<i>For Stainless Steel, Add</i>	152.74	
		<i>For Seismic Hook And Eye, Add</i>	16.42	
04 05 19 13-0169	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	173.07	
		<i>For Hot-Dipped Galvanized, Add</i>	39.14	
		<i>For Stainless Steel, Add</i>	156.56	
		<i>For Seismic Hook And Eye, Add</i>	16.83	

04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement

(04 05 19 13-0162)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0171 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	153.20	
For Hot-Dipped Galvanized, Add	44.49	
For Stainless Steel, Add	177.94	
For Seismic Hook And Eye, Add	19.13	
04 05 19 13-0172 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	161.02	
For Hot-Dipped Galvanized, Add	45.18	
For Stainless Steel, Add	180.72	
For Seismic Hook And Eye, Add	19.43	
04 05 19 13-0173 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	172.63	
For Hot-Dipped Galvanized, Add	46.17	
For Stainless Steel, Add	184.66	
For Seismic Hook And Eye, Add	19.85	
04 05 19 13-0174 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	180.32	
For Hot-Dipped Galvanized, Add	47.12	
For Stainless Steel, Add	188.48	
For Seismic Hook And Eye, Add	20.26	
04 05 19 13-0175 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	187.36	
For Hot-Dipped Galvanized, Add	48.08	
For Stainless Steel, Add	192.30	
For Seismic Hook And Eye, Add	20.67	
04 05 19 13-0176 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	195.07	
For Hot-Dipped Galvanized, Add	50.14	
For Stainless Steel, Add	200.56	
For Seismic Hook And Eye, Add	21.56	
04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0162)		
04 05 19 13-0178 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	154.71	
For Hot-Dipped Galvanized, Add	45.24	
For Stainless Steel, Add	180.96	
For Seismic Hook And Eye, Add	19.45	
04 05 19 13-0179 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	164.41	
For Hot-Dipped Galvanized, Add	46.88	
For Stainless Steel, Add	187.50	
For Seismic Hook And Eye, Add	20.16	
04 05 19 13-0180 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	177.28	
For Hot-Dipped Galvanized, Add	48.49	
For Stainless Steel, Add	193.96	
For Seismic Hook And Eye, Add	20.85	
04 05 19 13-0181 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	186.95	
For Hot-Dipped Galvanized, Add	50.44	
For Stainless Steel, Add	201.74	
For Seismic Hook And Eye, Add	21.69	
04 05 19 13-0182 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	195.96	
For Hot-Dipped Galvanized, Add	52.38	
For Stainless Steel, Add	209.50	
For Seismic Hook And Eye, Add	22.52	
04 05 19 13-0183 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	203.39	
For Hot-Dipped Galvanized, Add	54.30	
For Stainless Steel, Add	217.20	
For Seismic Hook And Eye, Add	23.35	
04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)		
04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0184)		
04 05 19 13-0186 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	143.24	
For Hot-Dipped Galvanized, Add	36.29	
For Stainless Steel, Add	145.16	
For Seismic Hook And Eye, Add	15.60	
04 05 19 13-0187 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	154.63	
For Hot-Dipped Galvanized, Add	37.17	
For Stainless Steel, Add	148.66	
For Seismic Hook And Eye, Add	15.98	
04 05 19 13-0188 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	162.17	
For Hot-Dipped Galvanized, Add	38.05	
For Stainless Steel, Add	152.18	
For Seismic Hook And Eye, Add	16.36	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0189	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	169.55
	<i>For Hot-Dipped Galvanized, Add</i>	39.17
	<i>For Stainless Steel, Add</i>	156.68
	<i>For Seismic Hook And Eye, Add</i>	16.84
04 05 19 13-0190	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	175.16
	<i>For Hot-Dipped Galvanized, Add</i>	40.19
	<i>For Stainless Steel, Add</i>	160.74
	<i>For Seismic Hook And Eye, Add</i>	17.28

04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement
(04 05 19 13-0184)

04 05 19 13-0192	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	162.96
	<i>For Hot-Dipped Galvanized, Add</i>	46.15
	<i>For Stainless Steel, Add</i>	184.60
	<i>For Seismic Hook And Eye, Add</i>	19.84
04 05 19 13-0193	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	174.51
	<i>For Hot-Dipped Galvanized, Add</i>	47.11
	<i>For Stainless Steel, Add</i>	188.42
	<i>For Seismic Hook And Eye, Add</i>	20.26
04 05 19 13-0194	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	182.32
	<i>For Hot-Dipped Galvanized, Add</i>	48.12
	<i>For Stainless Steel, Add</i>	192.48
	<i>For Seismic Hook And Eye, Add</i>	20.69
04 05 19 13-0195	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	189.09
	<i>For Hot-Dipped Galvanized, Add</i>	48.94
	<i>For Stainless Steel, Add</i>	195.76
	<i>For Seismic Hook And Eye, Add</i>	21.04
04 05 19 13-0196	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	194.89
	<i>For Hot-Dipped Galvanized, Add</i>	50.05
	<i>For Stainless Steel, Add</i>	200.20
	<i>For Seismic Hook And Eye, Add</i>	21.52

04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement
(04 05 19 13-0184)

04 05 19 13-0198	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	164.99
	<i>For Hot-Dipped Galvanized, Add</i>	47.17
	<i>For Stainless Steel, Add</i>	188.66
	<i>For Seismic Hook And Eye, Add</i>	20.28
04 05 19 13-0199	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	177.90
	<i>For Hot-Dipped Galvanized, Add</i>	48.80
	<i>For Stainless Steel, Add</i>	195.20
	<i>For Seismic Hook And Eye, Add</i>	20.98
04 05 19 13-0200	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	186.95
	<i>For Hot-Dipped Galvanized, Add</i>	50.44
	<i>For Stainless Steel, Add</i>	201.74
	<i>For Seismic Hook And Eye, Add</i>	21.69
04 05 19 13-0201	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	195.96
	<i>For Hot-Dipped Galvanized, Add</i>	52.38
	<i>For Stainless Steel, Add</i>	209.50
	<i>For Seismic Hook And Eye, Add</i>	22.52
04 05 19 13-0202	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	203.39
	<i>For Hot-Dipped Galvanized, Add</i>	54.30
	<i>For Stainless Steel, Add</i>	217.20
	<i>For Seismic Hook And Eye, Add</i>	23.35

04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement
(04 05 19 13-0001)
04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement
(04 05 19 13-0203)
04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement
(04 05 19 13-0204)

04 05 19 13-0206	CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	73.07
	<i>For Hot-Dipped Galvanized, Add</i>	14.27
	<i>For Stainless Steel, Add</i>	57.08
04 05 19 13-0207	CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	76.43
	<i>For Hot-Dipped Galvanized, Add</i>	14.43
	<i>For Stainless Steel, Add</i>	57.70
04 05 19 13-0208	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	81.90
	<i>For Hot-Dipped Galvanized, Add</i>	15.00
	<i>For Stainless Steel, Add</i>	59.98

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	88.56		
		For Hot-Dipped Galvanized, Add	15.73		
		For Stainless Steel, Add	62.92		
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.57		
		For Hot-Dipped Galvanized, Add	16.57		
		For Stainless Steel, Add	66.26		
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	102.53		
		For Hot-Dipped Galvanized, Add	17.01		
		For Stainless Steel, Add	68.04		
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	106.69		
		For Hot-Dipped Galvanized, Add	17.66		
		For Stainless Steel, Add	70.64		
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	126.12		
		For Hot-Dipped Galvanized, Add	24.81		
		For Stainless Steel, Add	99.24		
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.51		
		For Hot-Dipped Galvanized, Add	26.23		
		For Stainless Steel, Add	104.90		
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	177.52		
		For Hot-Dipped Galvanized, Add	45.37		
		For Stainless Steel, Add	181.46		
04 05 19 13-0216 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)					
04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	84.11		
		For Hot-Dipped Galvanized, Add	19.79		
		For Stainless Steel, Add	79.14		
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.70		
		For Hot-Dipped Galvanized, Add	20.06		
		For Stainless Steel, Add	80.24		
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	93.17		
		For Hot-Dipped Galvanized, Add	20.63		
		For Stainless Steel, Add	82.52		
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	99.81		
		For Hot-Dipped Galvanized, Add	21.36		
		For Stainless Steel, Add	85.42		
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	107.66		
		For Hot-Dipped Galvanized, Add	22.11		
		For Stainless Steel, Add	88.44		
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.77		
		For Hot-Dipped Galvanized, Add	22.64		
		For Stainless Steel, Add	90.54		
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.75		
		For Hot-Dipped Galvanized, Add	23.19		
		For Stainless Steel, Add	92.76		
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.97		
		For Hot-Dipped Galvanized, Add	32.24		
		For Stainless Steel, Add	128.94		
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	148.37		
		For Hot-Dipped Galvanized, Add	33.66		
		For Stainless Steel, Add	134.62		
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	208.21		
		For Hot-Dipped Galvanized, Add	63.58		
		For Stainless Steel, Add	254.30		
04 05 19 13-0227 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)					
04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.00		
		For Hot-Dipped Galvanized, Add	28.23		
		For Stainless Steel, Add	112.92		
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	105.14		
		For Hot-Dipped Galvanized, Add	28.59		
		For Stainless Steel, Add	114.34		
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	110.65		
		For Hot-Dipped Galvanized, Add	29.63		
		For Stainless Steel, Add	118.52		
04 05 19 13-0231	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.23		
		For Hot-Dipped Galvanized, Add	31.07		
		For Stainless Steel, Add	124.26		

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0232	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	128.51	
	<i>For Hot-Dipped Galvanized, Add</i>	32.85	
	<i>For Stainless Steel, Add</i>	131.40	
04 05 19 13-0233	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.86	
	<i>For Hot-Dipped Galvanized, Add</i>	33.67	
	<i>For Stainless Steel, Add</i>	134.68	
04 05 19 13-0234	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.14	
	<i>For Hot-Dipped Galvanized, Add</i>	34.89	
	<i>For Stainless Steel, Add</i>	139.54	
04 05 19 13-0235	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	174.45	
	<i>For Hot-Dipped Galvanized, Add</i>	48.97	
	<i>For Stainless Steel, Add</i>	195.88	
04 05 19 13-0236	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	184.57	
	<i>For Hot-Dipped Galvanized, Add</i>	51.75	
	<i>For Stainless Steel, Add</i>	206.98	
04 05 19 13-0237	CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	265.72	
	<i>For Hot-Dipped Galvanized, Add</i>	89.47	
	<i>For Stainless Steel, Add</i>	357.86	

04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement

(04 05 19 13-0204)

04 05 19 13-0239	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	90.36	
	<i>For Hot-Dipped Galvanized, Add</i>	22.91	
	<i>For Stainless Steel, Add</i>	91.64	
04 05 19 13-0240	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	94.39	
	<i>For Hot-Dipped Galvanized, Add</i>	23.41	
	<i>For Stainless Steel, Add</i>	93.62	
04 05 19 13-0241	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	99.86	
	<i>For Hot-Dipped Galvanized, Add</i>	23.98	
	<i>For Stainless Steel, Add</i>	95.92	
04 05 19 13-0242	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	106.35	
	<i>For Hot-Dipped Galvanized, Add</i>	24.63	
	<i>For Stainless Steel, Add</i>	98.50	
04 05 19 13-0243	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.96	
	<i>For Hot-Dipped Galvanized, Add</i>	25.26	
	<i>For Stainless Steel, Add</i>	101.02	
04 05 19 13-0244	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.65	
	<i>For Hot-Dipped Galvanized, Add</i>	25.57	
	<i>For Stainless Steel, Add</i>	102.26	
04 05 19 13-0245	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.76	
	<i>For Hot-Dipped Galvanized, Add</i>	25.92	
	<i>For Stainless Steel, Add</i>	103.66	
04 05 19 13-0246	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	138.15	
	<i>For Hot-Dipped Galvanized, Add</i>	30.82	
	<i>For Stainless Steel, Add</i>	123.28	

04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement

(04 05 19 13-0204)

04 05 19 13-0248	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.51	
	<i>For Hot-Dipped Galvanized, Add</i>	28.49	
	<i>For Stainless Steel, Add</i>	113.94	
04 05 19 13-0249	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	105.69	
	<i>For Hot-Dipped Galvanized, Add</i>	29.06	
	<i>For Stainless Steel, Add</i>	116.22	
04 05 19 13-0250	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	111.28	
	<i>For Hot-Dipped Galvanized, Add</i>	29.69	
	<i>For Stainless Steel, Add</i>	118.76	
04 05 19 13-0251	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.65	
	<i>For Hot-Dipped Galvanized, Add</i>	30.28	
	<i>For Stainless Steel, Add</i>	121.10	
04 05 19 13-0252	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.23	
	<i>For Hot-Dipped Galvanized, Add</i>	30.89	
	<i>For Stainless Steel, Add</i>	123.56	
04 05 19 13-0253	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.96	
	<i>For Hot-Dipped Galvanized, Add</i>	31.23	
	<i>For Stainless Steel, Add</i>	124.92	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.01	
		For Hot-Dipped Galvanized, Add	31.54	
		For Stainless Steel, Add	126.14	
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.99	
		For Hot-Dipped Galvanized, Add	38.25	
		For Stainless Steel, Add	152.98	
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	187.81	
		For Hot-Dipped Galvanized, Add	53.38	
		For Stainless Steel, Add	213.50	
04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement				
		(04 05 19 13-0204)		
04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	112.31	
		For Hot-Dipped Galvanized, Add	33.89	
		For Stainless Steel, Add	135.54	
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.06	
		For Hot-Dipped Galvanized, Add	35.05	
		For Stainless Steel, Add	140.18	
04 05 19 13-0260	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.80	
		For Hot-Dipped Galvanized, Add	36.21	
		For Stainless Steel, Add	144.82	
04 05 19 13-0261	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.27	
		For Hot-Dipped Galvanized, Add	37.59	
		For Stainless Steel, Add	150.34	
04 05 19 13-0262	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.73	
		For Hot-Dipped Galvanized, Add	38.96	
		For Stainless Steel, Add	155.84	
04 05 19 13-0263	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.91	
		For Hot-Dipped Galvanized, Add	39.70	
		For Stainless Steel, Add	158.78	
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.02	
		For Hot-Dipped Galvanized, Add	40.33	
		For Stainless Steel, Add	161.30	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	159.69	
		For Hot-Dipped Galvanized, Add	41.59	
		For Stainless Steel, Add	166.36	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	202.30	
		For Hot-Dipped Galvanized, Add	60.61	
		For Stainless Steel, Add	242.44	
04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement				
		(04 05 19 13-0204)		
04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	116.04	
		For Hot-Dipped Galvanized, Add	35.75	
		For Stainless Steel, Add	143.00	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.07	
		For Hot-Dipped Galvanized, Add	36.25	
		For Stainless Steel, Add	144.98	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.54	
		For Hot-Dipped Galvanized, Add	36.82	
		For Stainless Steel, Add	147.28	
04 05 19 13-0271	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	132.03	
		For Hot-Dipped Galvanized, Add	37.47	
		For Stainless Steel, Add	149.86	
04 05 19 13-0272	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	139.64	
		For Hot-Dipped Galvanized, Add	38.10	
		For Stainless Steel, Add	152.38	
04 05 19 13-0273	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	145.33	
		For Hot-Dipped Galvanized, Add	38.41	
		For Stainless Steel, Add	153.62	
04 05 19 13-0274	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	149.44	
		For Hot-Dipped Galvanized, Add	38.76	
		For Stainless Steel, Add	155.02	
04 05 19 13-0275	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	163.83	
		For Hot-Dipped Galvanized, Add	43.66	
		For Stainless Steel, Add	174.64	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0276	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	188.02
	<i>For Hot-Dipped Galvanized, Add</i>	53.48
	<i>For Stainless Steel, Add</i>	213.90

04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement

(04 05 19 13-0204)

04 05 19 13-0278	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.19
	<i>For Hot-Dipped Galvanized, Add</i>	41.33
	<i>For Stainless Steel, Add</i>	165.30
04 05 19 13-0279	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	131.37
	<i>For Hot-Dipped Galvanized, Add</i>	41.90
	<i>For Stainless Steel, Add</i>	167.58
04 05 19 13-0280	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.96
	<i>For Hot-Dipped Galvanized, Add</i>	42.53
	<i>For Stainless Steel, Add</i>	170.12
04 05 19 13-0281	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.33
	<i>For Hot-Dipped Galvanized, Add</i>	43.12
	<i>For Stainless Steel, Add</i>	172.46
04 05 19 13-0282	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.91
	<i>For Hot-Dipped Galvanized, Add</i>	43.73
	<i>For Stainless Steel, Add</i>	174.92
04 05 19 13-0283	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	156.64
	<i>For Hot-Dipped Galvanized, Add</i>	44.07
	<i>For Stainless Steel, Add</i>	176.28
04 05 19 13-0284	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	160.69
	<i>For Hot-Dipped Galvanized, Add</i>	44.38
	<i>For Stainless Steel, Add</i>	177.50
04 05 19 13-0285	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	178.67
	<i>For Hot-Dipped Galvanized, Add</i>	51.09
	<i>For Stainless Steel, Add</i>	204.34
04 05 19 13-0286	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	213.49
	<i>For Hot-Dipped Galvanized, Add</i>	66.22
	<i>For Stainless Steel, Add</i>	264.86

04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement

(04 05 19 13-0204)

04 05 19 13-0288	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	137.99
	<i>For Hot-Dipped Galvanized, Add</i>	46.73
	<i>For Stainless Steel, Add</i>	186.90
04 05 19 13-0289	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.74
	<i>For Hot-Dipped Galvanized, Add</i>	47.89
	<i>For Stainless Steel, Add</i>	191.54
04 05 19 13-0290	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	149.48
	<i>For Hot-Dipped Galvanized, Add</i>	49.05
	<i>For Stainless Steel, Add</i>	196.18
04 05 19 13-0291	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	157.95
	<i>For Hot-Dipped Galvanized, Add</i>	50.43
	<i>For Stainless Steel, Add</i>	201.70
04 05 19 13-0292	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	166.42
	<i>For Hot-Dipped Galvanized, Add</i>	51.81
	<i>For Stainless Steel, Add</i>	207.22
04 05 19 13-0293	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	173.59
	<i>For Hot-Dipped Galvanized, Add</i>	52.54
	<i>For Stainless Steel, Add</i>	210.14
04 05 19 13-0294	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	177.71
	<i>For Hot-Dipped Galvanized, Add</i>	53.17
	<i>For Stainless Steel, Add</i>	212.68
04 05 19 13-0295	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	185.37
	<i>For Hot-Dipped Galvanized, Add</i>	54.43
	<i>For Stainless Steel, Add</i>	217.72
04 05 19 13-0296	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	227.98
	<i>For Hot-Dipped Galvanized, Add</i>	73.45
	<i>For Stainless Steel, Add</i>	293.80

04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement

(04 05 19 13-0203)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0298			9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0297)		
04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		102.54	
		<i>For Hot-Dipped Galvanized, Add</i>		22.36	
		<i>For Stainless Steel, Add</i>		89.44	
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		111.10	
		<i>For Hot-Dipped Galvanized, Add</i>		23.44	
		<i>For Stainless Steel, Add</i>		93.74	
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		120.28	
		<i>For Hot-Dipped Galvanized, Add</i>		24.81	
		<i>For Stainless Steel, Add</i>		99.24	
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		128.58	
		<i>For Hot-Dipped Galvanized, Add</i>		25.75	
		<i>For Stainless Steel, Add</i>		103.00	
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		133.37	
		<i>For Hot-Dipped Galvanized, Add</i>		26.54	
		<i>For Stainless Steel, Add</i>		106.14	
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		142.94	
		<i>For Hot-Dipped Galvanized, Add</i>		28.43	
		<i>For Stainless Steel, Add</i>		113.72	
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		151.86	
		<i>For Hot-Dipped Galvanized, Add</i>		30.33	
		<i>For Stainless Steel, Add</i>		121.30	
04 05 19 13-0306			3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0297)		
04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		116.47	
		<i>For Hot-Dipped Galvanized, Add</i>		29.33	
		<i>For Stainless Steel, Add</i>		117.30	
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		125.06	
		<i>For Hot-Dipped Galvanized, Add</i>		30.42	
		<i>For Stainless Steel, Add</i>		121.66	
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		134.17	
		<i>For Hot-Dipped Galvanized, Add</i>		31.76	
		<i>For Stainless Steel, Add</i>		127.02	
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		142.51	
		<i>For Hot-Dipped Galvanized, Add</i>		32.72	
		<i>For Stainless Steel, Add</i>		130.86	
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		147.20	
		<i>For Hot-Dipped Galvanized, Add</i>		33.45	
		<i>For Stainless Steel, Add</i>		133.80	
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		156.81	
		<i>For Hot-Dipped Galvanized, Add</i>		35.37	
		<i>For Stainless Steel, Add</i>		141.46	
04 05 19 13-0313	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		165.79	
		<i>For Hot-Dipped Galvanized, Add</i>		37.29	
		<i>For Stainless Steel, Add</i>		149.16	
04 05 19 13-0314			3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement (04 05 19 13-0297)		
04 05 19 13-0315	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		129.38	
		<i>For Hot-Dipped Galvanized, Add</i>		35.78	
		<i>For Stainless Steel, Add</i>		143.12	
04 05 19 13-0316	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		139.18	
		<i>For Hot-Dipped Galvanized, Add</i>		37.48	
		<i>For Stainless Steel, Add</i>		149.90	
04 05 19 13-0317	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		150.26	
		<i>For Hot-Dipped Galvanized, Add</i>		39.80	
		<i>For Stainless Steel, Add</i>		159.20	
04 05 19 13-0318	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		159.21	
		<i>For Hot-Dipped Galvanized, Add</i>		41.07	
		<i>For Stainless Steel, Add</i>		164.26	
04 05 19 13-0319	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement		164.96	
		<i>For Hot-Dipped Galvanized, Add</i>		42.33	
		<i>For Stainless Steel, Add</i>		169.32	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0320	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	176.44	
		For Hot-Dipped Galvanized, Add	45.18	
		For Stainless Steel, Add	180.72	
04 05 19 13-0321	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	186.28	
		For Hot-Dipped Galvanized, Add	47.54	
		For Stainless Steel, Add	190.14	
04 05 19 13-0322		Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0203)		
04 05 19 13-0323		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)		
04 05 19 13-0324	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	145.96	
		For Hot-Dipped Galvanized, Add	44.07	
		For Stainless Steel, Add	176.28	
04 05 19 13-0325	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	152.98	
		For Hot-Dipped Galvanized, Add	44.38	
		For Stainless Steel, Add	177.50	
04 05 19 13-0326	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	161.57	
		For Hot-Dipped Galvanized, Add	45.46	
		For Stainless Steel, Add	181.82	
04 05 19 13-0327	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	174.08	
		For Hot-Dipped Galvanized, Add	46.89	
		For Stainless Steel, Add	187.56	
04 05 19 13-0328	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	183.25	
		For Hot-Dipped Galvanized, Add	48.59	
		For Stainless Steel, Add	194.34	
04 05 19 13-0329	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	192.51	
		For Hot-Dipped Galvanized, Add	50.65	
		For Stainless Steel, Add	202.60	
04 05 19 13-0330		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)		
04 05 19 13-0331	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	167.50	
		For Hot-Dipped Galvanized, Add	54.84	
		For Stainless Steel, Add	219.36	
04 05 19 13-0332	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	174.83	
		For Hot-Dipped Galvanized, Add	55.30	
		For Stainless Steel, Add	221.20	
04 05 19 13-0333	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	183.42	
		For Hot-Dipped Galvanized, Add	56.38	
		For Stainless Steel, Add	225.52	
04 05 19 13-0334	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	195.87	
		For Hot-Dipped Galvanized, Add	57.79	
		For Stainless Steel, Add	231.14	
04 05 19 13-0335	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	204.76	
		For Hot-Dipped Galvanized, Add	59.34	
		For Stainless Steel, Add	237.36	
04 05 19 13-0336	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	213.03	
		For Hot-Dipped Galvanized, Add	60.91	
		For Stainless Steel, Add	243.64	
04 05 19 13-0337		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0322)		
04 05 19 13-0338	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	179.30	
		For Hot-Dipped Galvanized, Add	60.74	
		For Stainless Steel, Add	242.96	
04 05 19 13-0339	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	186.64	
		For Hot-Dipped Galvanized, Add	61.21	
		For Stainless Steel, Add	244.82	
04 05 19 13-0340	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	196.46	
		For Hot-Dipped Galvanized, Add	62.90	
		For Stainless Steel, Add	251.60	
04 05 19 13-0341	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	210.53	
		For Hot-Dipped Galvanized, Add	65.12	
		For Stainless Steel, Add	260.46	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	221.92	
		For Hot-Dipped Galvanized, Add	67.92	
		For Stainless Steel, Add	271.68	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	233.28	
		For Hot-Dipped Galvanized, Add	71.04	
		For Stainless Steel, Add	284.14	
04 05 19 13-0344		Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0203)		
04 05 19 13-0345		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)		
04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	156.47	
		For Hot-Dipped Galvanized, Add	46.12	
		For Stainless Steel, Add	184.48	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	163.54	
		For Hot-Dipped Galvanized, Add	46.44	
		For Stainless Steel, Add	185.76	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	175.28	
		For Hot-Dipped Galvanized, Add	47.49	
		For Stainless Steel, Add	189.96	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	183.89	
		For Hot-Dipped Galvanized, Add	48.91	
		For Stainless Steel, Add	195.62	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	192.48	
		For Hot-Dipped Galvanized, Add	50.64	
		For Stainless Steel, Add	202.54	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	199.57	
		For Hot-Dipped Galvanized, Add	52.39	
		For Stainless Steel, Add	209.56	
04 05 19 13-0352		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)		
04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	177.95	
		For Hot-Dipped Galvanized, Add	56.86	
		For Stainless Steel, Add	227.44	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	185.30	
		For Hot-Dipped Galvanized, Add	57.32	
		For Stainless Steel, Add	229.28	
04 05 19 13-0355	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	197.10	
		For Hot-Dipped Galvanized, Add	58.40	
		For Stainless Steel, Add	233.60	
04 05 19 13-0356	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	205.71	
		For Hot-Dipped Galvanized, Add	59.82	
		For Stainless Steel, Add	239.26	
04 05 19 13-0357	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	213.96	
		For Hot-Dipped Galvanized, Add	61.38	
		For Stainless Steel, Add	245.50	
04 05 19 13-0358	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	221.23	
		For Hot-Dipped Galvanized, Add	63.22	
		For Stainless Steel, Add	252.88	
04 05 19 13-0359		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)		
04 05 19 13-0360	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	189.78	
		For Hot-Dipped Galvanized, Add	62.78	
		For Stainless Steel, Add	251.10	
04 05 19 13-0361	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	197.10	
		For Hot-Dipped Galvanized, Add	63.22	
		For Stainless Steel, Add	252.88	
04 05 19 13-0362	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	210.20	
		For Hot-Dipped Galvanized, Add	64.95	
		For Stainless Steel, Add	259.80	
04 05 19 13-0363	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	220.38	
		For Hot-Dipped Galvanized, Add	67.15	
		For Stainless Steel, Add	268.60	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
04 05 19 13-0364	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	231.09		
	For Hot-Dipped Galvanized, Add	69.94		
	For Stainless Steel, Add	279.76		
04 05 19 13-0365	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	238.92		
	For Hot-Dipped Galvanized, Add	72.07		
	For Stainless Steel, Add	288.26		
04 05 19 13-0366	Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0203)			
04 05 19 13-0367	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0366)			
04 05 19 13-0368	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	148.18		
	For Hot-Dipped Galvanized, Add	41.98		
	For Stainless Steel, Add	167.90		
	For Seismic Hook And Eye, Add	18.05		
04 05 19 13-0369	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	155.19		
	For Hot-Dipped Galvanized, Add	42.27		
	For Stainless Steel, Add	169.06		
	For Seismic Hook And Eye, Add	18.17		
04 05 19 13-0370	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	166.65		
	For Hot-Dipped Galvanized, Add	43.18		
	For Stainless Steel, Add	172.70		
	For Seismic Hook And Eye, Add	18.57		
04 05 19 13-0371	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	175.05		
	For Hot-Dipped Galvanized, Add	44.49		
	For Stainless Steel, Add	177.94		
	For Seismic Hook And Eye, Add	19.13		
04 05 19 13-0372	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	182.89		
	For Hot-Dipped Galvanized, Add	45.84		
	For Stainless Steel, Add	183.36		
	For Seismic Hook And Eye, Add	19.71		
04 05 19 13-0373	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	189.80		
	For Hot-Dipped Galvanized, Add	47.51		
	For Stainless Steel, Add	190.02		
	For Seismic Hook And Eye, Add	20.43		
04 05 19 13-0374	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0366)			
04 05 19 13-0375	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	167.96		
	For Hot-Dipped Galvanized, Add	51.87		
	For Stainless Steel, Add	207.46		
	For Seismic Hook And Eye, Add	22.30		
04 05 19 13-0376	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	175.19		
	For Hot-Dipped Galvanized, Add	52.27		
	For Stainless Steel, Add	209.06		
	For Seismic Hook And Eye, Add	22.47		
04 05 19 13-0377	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	186.50		
	For Hot-Dipped Galvanized, Add	53.10		
	For Stainless Steel, Add	212.40		
	For Seismic Hook And Eye, Add	22.83		
04 05 19 13-0378	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	194.77		
	For Hot-Dipped Galvanized, Add	54.35		
	For Stainless Steel, Add	217.38		
	For Seismic Hook And Eye, Add	23.37		
04 05 19 13-0379	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	202.58		
	For Hot-Dipped Galvanized, Add	55.69		
	For Stainless Steel, Add	222.74		
	For Seismic Hook And Eye, Add	23.94		
04 05 19 13-0380	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	209.12		
	For Hot-Dipped Galvanized, Add	57.17		
	For Stainless Steel, Add	228.66		
	For Seismic Hook And Eye, Add	24.58		
04 05 19 13-0381	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0366)			
04 05 19 13-0382	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	179.92		
	For Hot-Dipped Galvanized, Add	57.85		
	For Stainless Steel, Add	231.38		
	For Seismic Hook And Eye, Add	24.87		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	187.24		
		For Hot-Dipped Galvanized, Add	58.29		
		For Stainless Steel, Add	233.16		
		For Seismic Hook And Eye, Add	25.06		
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	200.12		
		For Hot-Dipped Galvanized, Add	59.91		
		For Stainless Steel, Add	239.64		
		For Seismic Hook And Eye, Add	25.76		
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	210.12		
		For Hot-Dipped Galvanized, Add	62.02		
		For Stainless Steel, Add	248.08		
		For Seismic Hook And Eye, Add	26.67		
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	220.58		
		For Hot-Dipped Galvanized, Add	64.69		
		For Stainless Steel, Add	258.74		
		For Seismic Hook And Eye, Add	27.81		
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	230.08		
		For Hot-Dipped Galvanized, Add	67.65		
		For Stainless Steel, Add	270.58		
		For Seismic Hook And Eye, Add	29.09		
04 05 19 13-0388	Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0203)				
04 05 19 13-0389	9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall (04 05 19 13-0388)				
04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	158.55		
		For Hot-Dipped Galvanized, Add	43.95		
		For Stainless Steel, Add	175.78		
		For Seismic Hook And Eye, Add	18.90		
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	168.81		
		For Hot-Dipped Galvanized, Add	44.26		
		For Stainless Steel, Add	177.02		
		For Seismic Hook And Eye, Add	19.03		
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	176.53		
		For Hot-Dipped Galvanized, Add	45.23		
		For Stainless Steel, Add	180.90		
		For Seismic Hook And Eye, Add	19.45		
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	184.43		
		For Hot-Dipped Galvanized, Add	46.61		
		For Stainless Steel, Add	186.44		
		For Seismic Hook And Eye, Add	20.04		
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	191.22		
		For Hot-Dipped Galvanized, Add	48.22		
		For Stainless Steel, Add	192.86		
		For Seismic Hook And Eye, Add	20.73		
04 05 19 13-0395	3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0388)				
04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	179.88		
		For Hot-Dipped Galvanized, Add	54.61		
		For Stainless Steel, Add	218.44		
		For Seismic Hook And Eye, Add	23.48		
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	190.20		
		For Hot-Dipped Galvanized, Add	54.95		
		For Stainless Steel, Add	219.80		
		For Seismic Hook And Eye, Add	23.63		
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	197.86		
		For Hot-Dipped Galvanized, Add	55.89		
		For Stainless Steel, Add	223.56		
		For Seismic Hook And Eye, Add	24.03		
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	205.51		
		For Hot-Dipped Galvanized, Add	57.15		
		For Stainless Steel, Add	228.60		
		For Seismic Hook And Eye, Add	24.57		
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	211.68		
		For Hot-Dipped Galvanized, Add	58.45		
		For Stainless Steel, Add	233.78		
		For Seismic Hook And Eye, Add	25.13		

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 13-0401	3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0388)	
04 05 19 13-0402	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	190.23
	For Hot-Dipped Galvanized, Add.....	59.79
	For Stainless Steel, Add.....	239.14
	For Seismic Hook And Eye, Add.....	25.71
04 05 19 13-0403	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	200.73
	For Hot-Dipped Galvanized, Add.....	60.22
	For Stainless Steel, Add.....	240.86
	For Seismic Hook And Eye, Add.....	25.89
04 05 19 13-0404	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	209.78
	For Hot-Dipped Galvanized, Add.....	61.85
	For Stainless Steel, Add.....	247.40
	For Seismic Hook And Eye, Add.....	26.60
04 05 19 13-0405	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	219.10
	For Hot-Dipped Galvanized, Add.....	63.95
	For Stainless Steel, Add.....	255.78
	For Seismic Hook And Eye, Add.....	27.50
04 05 19 13-0406	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	228.01
	For Hot-Dipped Galvanized, Add.....	66.61
	For Stainless Steel, Add.....	266.44
	For Seismic Hook And Eye, Add.....	28.64

04 05 19 16 Masonry Anchors (04 05 19)

04 05 19 16-0001	Rectangular, Wire Masonry Wall Ties (04 05 19 16)	
04 05 19 16-0002	Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)	
04 05 19 16-0003	EA 2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.46
04 05 19 16-0004	EA 2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.55
04 05 19 16-0005	EA 2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.63
04 05 19 16-0006	EA 2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.73
04 05 19 16-0007	EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.84
04 05 19 16-0008	EA 4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.63
04 05 19 16-0009	EA 4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.73
04 05 19 16-0010	EA 4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.84
04 05 19 16-0011	EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.94

04 05 19 16-0012	Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)	
04 05 19 16-0013	EA 2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.31
04 05 19 16-0014	EA 2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.35
04 05 19 16-0015	EA 2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.38
04 05 19 16-0016	EA 2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.44
04 05 19 16-0017	EA 2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.50
04 05 19 16-0018	EA 4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.38
04 05 19 16-0019	EA 4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.44
04 05 19 16-0020	EA 4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.50
04 05 19 16-0021	EA 4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.55

04 05 19 16-0022	Z-Type, Wire Masonry Wall Ties (04 05 19 16)	
04 05 19 16-0023	Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)	
04 05 19 16-0024	EA 6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.32
04 05 19 16-0025	EA 8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.36
04 05 19 16-0026	EA 10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.52
04 05 19 16-0027	EA 12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.58
04 05 19 16-0028	EA 6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.60
04 05 19 16-0029	EA 8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.70
04 05 19 16-0030	EA 10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.81
04 05 19 16-0031	EA 12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.88

04 05 19 16-0032	Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)	
04 05 19 16-0033	EA 6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.20
04 05 19 16-0034	EA 8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.22
04 05 19 16-0035	EA 10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.34
04 05 19 16-0036	EA 12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.36
04 05 19 16-0037	EA 6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.38
04 05 19 16-0038	EA 8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.44
04 05 19 16-0039	EA 10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.50
04 05 19 16-0040	EA 12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	1.57

04 05 19 16-0041	Wire Beam Ties (04 05 19 16)	
04 05 19 16-0042	Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)	
04 05 19 16-0043	EA 2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.73
04 05 19 16-0044	EA 4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0045	EA		6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.80	
04 05 19 16-0046	EA		8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.83	
04 05 19 16-0047	EA		10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	1.90	
04 05 19 16-0048 Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)					
04 05 19 16-0049	EA		2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	2.03	
04 05 19 16-0050	EA		4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	2.11	
04 05 19 16-0051	EA		6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	2.21	
04 05 19 16-0052	EA		8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	2.25	
04 05 19 16-0053	EA		10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	2.32	
04 05 19 16-0054 Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)					
04 05 19 16-0055 Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)					
04 05 19 16-0056	EA		6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.90	
04 05 19 16-0057	EA		7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.98	
04 05 19 16-0058	EA		8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	2.01	
04 05 19 16-0059	EA		9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	2.07	
04 05 19 16-0060	EA		10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	2.10	
04 05 19 16-0061 Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)					
04 05 19 16-0062	EA		6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.63	
04 05 19 16-0063	EA		7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.68	
04 05 19 16-0064	EA		8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.70	
04 05 19 16-0065	EA		9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.74	
04 05 19 16-0066	EA		10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	1.76	
04 05 19 16-0067 Corrugated Buck (Brick) Anchors (04 05 19 16)					
04 05 19 16-0068 Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)					
04 05 19 16-0069	EA		3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.29	
04 05 19 16-0070	EA		4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.37	
04 05 19 16-0071	EA		5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.45	
04 05 19 16-0072	EA		6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.54	
04 05 19 16-0073	EA		7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.62	
04 05 19 16-0074	EA		3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.36	
04 05 19 16-0075	EA		4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.45	
04 05 19 16-0076	EA		5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.54	
04 05 19 16-0077	EA		6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.63	
04 05 19 16-0078	EA		7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor.....	2.72	
04 05 19 16-0079 Mill Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)					
04 05 19 16-0080	EA		3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	1.99	
04 05 19 16-0081	EA		4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.05	
04 05 19 16-0082	EA		5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.11	
04 05 19 16-0083	EA		6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.17	
04 05 19 16-0084	EA		7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.23	
04 05 19 16-0085	EA		3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.04	
04 05 19 16-0086	EA		4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.11	
04 05 19 16-0087	EA		5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.17	
04 05 19 16-0088	EA		6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.24	
04 05 19 16-0089	EA		7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor.....	2.31	
04 05 19 16-0090 Corrugated Wall Ties (04 05 19 16)					
04 05 19 16-0091 Hot-Dipped Galvanized, Corrugated Wall Ties (04 05 19 16-0090)					
04 05 19 16-0092	EA		7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.20	
04 05 19 16-0093	EA		7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.27	
04 05 19 16-0094	EA		7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.29	
04 05 19 16-0095	EA		7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.32	
04 05 19 16-0096	EA		7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie.....	1.56	
04 05 19 16-0097 Mill Galvanized, Corrugated Wall Ties (04 05 19 16-0090)					
04 05 19 16-0098	EA		7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.23	
04 05 19 16-0099	EA		7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.24	
04 05 19 16-0100	EA		7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.26	
04 05 19 16-0101	EA		7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie.....	1.45	
04 05 19 16-0102 Stainless Steel, Corrugated Wall Ties (04 05 19 16-0090)					
04 05 19 16-0103	EA		7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.56	
04 05 19 16-0104	EA		7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.63	
04 05 19 16-0105	EA		7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.69	
04 05 19 16-0106	EA		7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie.....	1.76	
04 05 19 16-0107	EA		7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie.....	2.10	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 16-0108		Wire Mesh Wall Ties (04 05 19 16)	
		Note: 1/2" square mesh.	
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.37
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	2.87
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	3.38
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	4.29
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	4.05
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie.....	4.94
04 05 19 16-0115		Triangle Brick Ties (04 05 19 16)	
04 05 19 16-0116		Hot-Dipped Galvanized, Triangle Brick Ties (04 05 19 16-0115)	
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.11
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.15
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.19
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.27
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.31
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.43
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.51
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.69
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.49
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.52
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.55
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.63
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.65
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.76
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.82
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	3.02
04 05 19 16-0133		Mill Galvanized, Triangle Brick Ties (04 05 19 16-0115)	
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.93
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.95
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.96
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.02
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.03
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.11
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.14
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.20
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.16
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.18
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.20
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.27
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.29
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.38
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.42
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.52
04 05 19 16-0150		Seismic Veneer Anchors (04 05 19 16)	
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor	6.54
		Note: For horizontal wire attachment. Excludes wire.	
04 05 19 16-0152		Slip-Set, Joint Stabilization Anchors (04 05 19 16)	
		Note: For restraining lateral movement at control joints. Field bendable.	
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	6.57
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	7.12
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	6.54
04 05 19 16-0156		Strap Partition Top Anchors (04 05 19 16)	
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	3.82
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	6.88
04 05 19 16-0159		Rigid Partition Anchors (04 05 19 16)	
04 05 19 16-0160		Hot-Dipped Galvanized, Rigid Partition Anchors (04 05 19 16-0159)	
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.97
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.20
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.49
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.76
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.02
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.28
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.02
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.85
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	5.69
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	6.53
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	7.37
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	8.21

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 16-0173 Mill Galvanized, Rigid Partition Anchors (04 05 19 16-0159)					
04 05 19 16-0174	EA		1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.74	
04 05 19 16-0175	EA		1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	2.94	
04 05 19 16-0176	EA		1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.15	
04 05 19 16-0177	EA		1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.35	
04 05 19 16-0178	EA		2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.55	
04 05 19 16-0179	EA		2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.76	

04 05 19 16-0180 Screw-On Masonry Veneer Anchor Plates (04 05 19 16)					
04 05 19 16-0181	EA		12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.90	
04 05 19 16-0182	EA		14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	2.00	

04 05 19 16-0183 Wire Column Ties (04 05 19 16)					
04 05 19 16-0184 Hot-Dipped Galvanized, Wire Column Ties (04 05 19 16-0183)					
04 05 19 16-0185	EA		3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.27	
04 05 19 16-0186	EA		5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.41	
04 05 19 16-0187	EA		7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.51	
04 05 19 16-0188	EA		9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.65	
04 05 19 16-0189	EA		10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.39	
04 05 19 16-0190	EA		12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.51	
04 05 19 16-0191	EA		14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.60	
04 05 19 16-0192	EA		16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.69	
04 05 19 16-0193	EA		3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.00	
04 05 19 16-0194	EA		5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.25	
04 05 19 16-0195	EA		7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.40	
04 05 19 16-0196	EA		9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.63	
04 05 19 16-0197	EA		10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.25	
04 05 19 16-0198	EA		12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.40	
04 05 19 16-0199	EA		14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.54	
04 05 19 16-0200	EA		16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.70	

04 05 19 16-0201 Mill Galvanized, Wire Column Ties (04 05 19 16-0183)					
04 05 19 16-0202	EA		3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.02	
04 05 19 16-0203	EA		5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.11	
04 05 19 16-0204	EA		7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.16	
04 05 19 16-0205	EA		9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.25	
04 05 19 16-0206	EA		10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.06	
04 05 19 16-0207	EA		12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.15	
04 05 19 16-0208	EA		14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.20	
04 05 19 16-0209	EA		16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.27	
04 05 19 16-0210	EA		3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	2.56	
04 05 19 16-0211	EA		5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	2.72	
04 05 19 16-0212	EA		7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	2.79	
04 05 19 16-0213	EA		9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	2.95	
04 05 19 16-0214	EA		10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	2.49	
04 05 19 16-0215	EA		12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	2.76	
04 05 19 16-0216	EA		14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	2.86	
04 05 19 16-0217	EA		16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	2.95	

04 05 19 16-0218 Dovetail Anchors, Slots And Ties (04 05 19 16)					
04 05 19 16-0219 Dovetail Anchor Slots (04 05 19 16-0218)					
04 05 19 16-0220 Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)					
04 05 19 16-0221	LF		24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	4.76	
04 05 19 16-0222	LF		22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	5.17	
04 05 19 16-0223	LF		20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	5.41	
04 05 19 16-0224	LF		18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	5.53	
04 05 19 16-0225	LF		16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	5.81	

04 05 19 16-0226 Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)					
04 05 19 16-0227	LF		24 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.94	
04 05 19 16-0228	LF		22 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.46	
04 05 19 16-0229	LF		20 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.58	
04 05 19 16-0230	LF		18 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.76	
04 05 19 16-0231	LF		16 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.88	

04 05 19 16-0232 304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)					
04 05 19 16-0233	LF		24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.72	
04 05 19 16-0234	LF		22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	5.18	
04 05 19 16-0235	LF		20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	5.34	
04 05 19 16-0236	LF		18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	5.86	
04 05 19 16-0237	LF		16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	6.36	

04 05 19 16-0238 316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)					
04 05 19 16-0239	LF		24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	5.08	

04 Masonry**04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	5.43
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	5.78
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	6.23
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	6.49

04 05 19 16-0244 Dovetail Corrugated Brick Ties (04 05 19 16-0218)**04 05 19 16-0245 Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie** (04 05 19 16-0244)

04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.55
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.68
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.81
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.58
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.83
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	2.02
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.65
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.82
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.99

04 05 19 16-0255 Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)

04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.43
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.51
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.59
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.50
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.66
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.79
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.52
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.72
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.86

04 05 19 16-0265 Dovetail Stone Anchors (04 05 19 16-0218)**04 05 19 16-0266 Hot-Dipped Galvanized, Dovetail Stone Anchors** (04 05 19 16-0265)

04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.83
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.97
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	2.10

04 05 19 16-0270 Dovetail Partition Top Anchors (04 05 19 16-0218)

04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	4.01
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	7.41

04 05 19 16-0273 Dovetail Flexible Triangle Brick Ties (04 05 19 16-0218)**04 05 19 16-0274 Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties** (04 05 19 16-0273)

04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.70
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.86
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.99
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.10

04 05 19 16-0279 Mill Galvanized, Dovetail Flexible Triangle Brick Ties (04 05 19 16-0273)

04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.45
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.47
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.54
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.74

04 05 19 26 Masonry Reinforcing Bars (04 05 19)

Note: Includes cutting and bending.

04 05 19 26-0001 Plain Steel Masonry Reinforcement Bar (04 05 19 26)

04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.14
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.88
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.68
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.53
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.16
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.92
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.73
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.61
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.19
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.97
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.82
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.73
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.33
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.17
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.08
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	4.02
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.35
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.21
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.13
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	4.10

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.38	
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	2.26	
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	3.22	
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	4.22	

04 05 19 26-0026 Galvanized Steel Masonry Reinforcement Bar (04 05 19 26)

04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.34	
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.24	
04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.25	
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.34	
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.36	
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.28	
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.30	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.42	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.39	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.33	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.38	
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.54	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.53	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.53	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.65	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.83	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.55	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.57	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.70	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.91	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.58	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.62	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.78	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	5.03	

04 05 19 26-0051 Epoxy-Coated Masonry Reinforcement Bar (04 05 19 26)

04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.32	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.20	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.18	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.25	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.34	
04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.24	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.24	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.33	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.37	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.29	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.32	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.45	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.51	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.49	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.58	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.74	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.53	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.53	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.64	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.82	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.56	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.58	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.72	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.94	

04 05 23 Masonry Accessories (04 05)

04 05 23 13 Masonry Control and Expansion Joints (04 05 23)

04 05 23 13-0001		Masonry Control Joints (04 05 23 13)		
04 05 23 13-0002		Rubber, Masonry Control Joints (04 05 23 13-0001)		
04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	6.52	1.14
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	6.35	1.14
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	13.14	1.14

04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	4.13	1.14
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.27	1.14
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.39	1.14
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	6.00	1.14
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.70	1.14

04 05 23 16 Masonry Embedded Flashing (04 05 23)

04 05 23 16-0001		Lead Coated Copper Through Wall Flashing (04 05 23 16)		
04 05 23 16-0002		Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		

04 Masonry**04 05 Common Work Results for Masonry****04 05 23 Masonry Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.63	2.08
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.59	2.08
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.28	2.08
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	15.65	2.08

04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.57	2.08
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	11.44	2.08
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	14.54	2.08
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	17.39	2.08

04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)

04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.84	2.08
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.05	2.08
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	12.79	2.08
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.42	2.08

04 05 23 16-0017 Copper Through Wall Flashing (04 05 23 16)

04 05 23 16-0018 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.17	1.94
04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.88	1.94
04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	10.86	1.94
04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	12.59	1.94
04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	13.33	1.94

04 05 23 16-0024 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	8.88	1.94
04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.51	1.94
04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.78	1.94
04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.86	1.94
04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	15.09	1.94

04 05 23 16-0030 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0031	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.25	1.94
04 05 23 16-0032	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.97	1.94
04 05 23 16-0033	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.93	1.94
04 05 23 16-0034	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.66	1.94
04 05 23 16-0035	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.40	1.94

04 05 23 16-0036 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0037	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.35	1.94
04 05 23 16-0038	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.22	1.94
04 05 23 16-0039	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.50	1.94
04 05 23 16-0040	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.16	1.94
04 05 23 16-0041	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.17	1.94

04 05 23 16-0042 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)

04 05 23 16-0043	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.26	1.94
04 05 23 16-0044	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.88	1.94

04 05 23 16-0045 2 Sides Glass Fabric, Thru-Wall Copper Flashing (04 05 23 16-0017)

Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.

04 05 23 16-0046	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	9.74	1.94
04 05 23 16-0047	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	12.09	1.94

04 05 23 16-0048 Stainless Steel Through Wall Flashing (04 05 23 16)

04 05 23 16-0049 Paper Backed 2 Sides, Stainless Steel Through Wall Flashing (04 05 23 16-0048)

04 05 23 16-0050	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	7.87	1.94
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04 05 23 16-0051 Polyvinyl Chloride (PVC) Through Wall Flashing (04 05 23 16)

04 05 23 16-0052	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.30	2.28
04 05 23 16-0053	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.50	2.28
04 05 23 16-0054	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.73	2.28
04 05 23 16-0055	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	6.49	2.28

04 05 23 19 Masonry Cavity Drainage, Weepholes, and Vents (04 05 23)

04 05 23 19-0001 Brick Vents, 4" Deep, With Insect Screen (04 05 23 19)

Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 19-0002 EA 8-1/8" x 2-3/8" Aluminum Brick Vent.....	84.90	
04 05 23 19-0003 EA 8-1/8" x 4-3/4" Aluminum Brick Vent.....	105.46	
04 05 23 19-0004 EA 8-1/8" x 7-3/4" Aluminum Brick Vent.....	133.36	
04 05 23 19-0005 EA 12" x 2-3/8" Aluminum Brick Vent.....	104.52	
04 05 23 19-0006 EA 12" x 4-3/4" Aluminum Brick Vent.....	129.33	
04 05 23 19-0007 EA 12" x 7-3/4" Aluminum Brick Vent.....	164.00	
04 05 23 19-0008 EA 16-1/2" x 2-3/8" Aluminum Brick Vent.....	123.98	
04 05 23 19-0009 EA 16-1/2" x 4-3/4" Aluminum Brick Vent.....	168.53	
04 05 23 19-0010 EA 16-1/2" x 7-3/4" Aluminum Brick Vent.....	206.50	
04 05 23 19-0011 EA 24" x 2-3/8" Aluminum Brick Vent.....	169.55	
04 05 23 19-0012 EA 24" x 4-3/4" Aluminum Brick Vent.....	221.01	
04 05 23 19-0013 EA 24" x 7-3/4" Aluminum Brick Vent.....	272.48	

04 20 Unit Masonry ⁽⁰⁴⁾

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry ^(04 20)

04 21 13 Brick Masonry ^(04 21)

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

04 21 13 00-0001 Brick Masonry ^(04 21 13)

04 21 13 00-0002 SF Standard Size Red Brick, Running Bond.....	28.65	
Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)		
For Buff Or Gray, Add		1.10
For Common Or American Bond, Add		0.88
For English Bond, Add		1.76
For Flemish Bond, Add		3.64
For Stacked Bond, Add		2.53
For <10, Small Area Replacements (Individual Areas), Add		33.38
For Curved Wall, Add		4.41
For Corbels, Add		16.52
For Severe Weather (SW) Brick, Add		0.99
For Glazed Brick, Add		23.17
04 21 13 00-0003 SF Engineer Standard Size Red Brick, Running Bond.....	29.74	
Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)		
For Buff Or Gray, Add		1.37
For Common Or American Bond, Add		0.86
For English Bond, Add		1.72
For Flemish Bond, Add		3.64
For Stacked Bond, Add		2.56
For <10, Small Area Replacements (Individual Areas), Add		32.71
For Curved Wall, Add		4.31
For Corbels, Add		16.15
For Severe Weather (SW) Brick, Add		1.23
For Glazed Brick, Add		28.74
04 21 13 00-0004 SF Modular Size Red Brick, Running Bond.....	28.65	
Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)		
For Buff Or Gray, Add		1.10
For Common Or American Bond, Add		0.88
For English Bond, Add		1.76
For Flemish Bond, Add		3.64
For Stacked Bond, Add		2.53
For <10, Small Area Replacements (Individual Areas), Add		33.38
For Curved Wall, Add		4.41
For Corbels, Add		16.52
For Severe Weather (SW) Brick, Add		0.99
For Glazed Brick, Add		23.17
04 21 13 00-0005 SF Engineer Modular Size Red Brick, Running Bond.....	29.74	
Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)		
For Buff Or Gray, Add		1.37
For Common Or American Bond, Add		0.86
For English Bond, Add		1.72
For Flemish Bond, Add		3.64
For Stacked Bond, Add		2.56
For <10, Small Area Replacements (Individual Areas), Add		32.71
For Curved Wall, Add		4.31
For Corbels, Add		16.15
For Severe Weather (SW) Brick, Add		1.23
For Glazed Brick, Add		28.74
04 21 13 00-0006 SF Economy Size Red Brick, Running Bond.....	29.52	
Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)		
For Buff Or Gray, Add		1.33
For Common Or American Bond, Add		0.86
For English Bond, Add		1.72
For Flemish Bond, Add		3.63
For Stacked Bond, Add		2.55
For <10, Small Area Replacements (Individual Areas), Add		32.69
For Curved Wall, Add		4.31
For Corbels, Add		16.15
For Severe Weather (SW) Brick, Add		1.20
For Glazed Brick, Add		27.97

04 Masonry**04 20 Unit Masonry****04 21 Clay Unit Masonry**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
04 21 13 00-0007	SF Utility Size Red Brick, Running Bond.....	21.88		
	Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)			
	For Buff Or Gray, Add	1.14		
	For Common Or American Bond, Add	0.60		
	For English Bond, Add	1.20		
	For Flemish Bond, Add	2.60		
	For Stacked Bond, Add	1.85		
	For <10, Small Area Replacements (Individual Areas), Add	22.90		
	For Curved Wall, Add	3.01		
	For Corbels, Add	11.28		
	For Severe Weather (SW) Brick, Add	1.03		
	For Glazed Brick, Add	23.94		
04 21 13 00-0008	SF Double Utility Size Red Brick, Running Bond.....	19.83		
	Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)			
	For Buff Or Gray, Add	0.80		
	For Common Or American Bond, Add	0.60		
	For English Bond, Add	1.20		
	For Flemish Bond, Add	2.50		
	For Stacked Bond, Add	1.74		
	For <10, Small Area Replacements (Individual Areas), Add	22.80		
	For Curved Wall, Add	3.01		
	For Corbels, Add	11.28		
	For Severe Weather (SW) Brick, Add	0.72		
	For Glazed Brick, Add	16.77		
04 21 13 00-0009	SF Norman Size Red Brick, Running Bond.....	30.14		
	Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)			
	For Buff Or Gray, Add	1.44		
	For Common Or American Bond, Add	0.86		
	For English Bond, Add	1.72		
	For Flemish Bond, Add	3.66		
	For Stacked Bond, Add	2.58		
	For <10, Small Area Replacements (Individual Areas), Add	32.73		
	For Curved Wall, Add	4.31		
	For Corbels, Add	16.15		
	For Severe Weather (SW) Brick, Add	1.29		
	For Glazed Brick, Add	30.14		
04 21 13 00-0010	SF Roman Size Red Brick, Running Bond.....	31.96		
	Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)			
	For Buff Or Gray, Add	1.74		
	For Common Or American Bond, Add	0.86		
	For English Bond, Add	1.72		
	For Flemish Bond, Add	3.75		
	For Stacked Bond, Add	2.67		
	For <10, Small Area Replacements (Individual Areas), Add	32.82		
	For Curved Wall, Add	4.31		
	For Corbels, Add	16.15		
	For Severe Weather (SW) Brick, Add	1.56		
	For Glazed Brick, Add	36.51		
04 21 13 00-0011	Fire Brick (04 21 13)			
04 21 13 00-0012	SF Running Bond, Red Fire Brick	33.77		
	For Buff Or Gray, Add	2.04		
	For Common Or American Bond, Add	0.86		
	For English Bond, Add	1.72		
	For Flemish Bond, Add	3.84		
	For Stacked Bond, Add	2.77		
	For <10, Small Area Replacements (Individual Areas), Add	32.91		
04 21 13 00-0013	Window Sill (04 21 13)			
04 21 13 00-0014	LF Standard Size Red Brick, Window Sill	25.06		
	Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.			
	For Buff Or Gray, Add	0.29		
04 21 13 00-0015	LF Engineer Standard Size Red Brick, Window Sill.....	25.26		
	Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.			
	For Buff Or Gray, Add	0.32		
04 21 13 00-0016	LF Modular Size Red Brick, Window Sill	25.06		
	Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.			
	For Buff Or Gray, Add	0.29		
04 21 13 00-0017	LF Engineer Modular Size Red Brick, Window Sill.....	25.40		
	Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.			
	For Buff Or Gray, Add	0.34		
04 21 13 00-0018	LF Economy Size Red Brick, Window Sill.....	26.30		
	Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.			
	For Buff Or Gray, Add	0.49		
04 21 13 00-0019	LF Utility Size Red Brick, Window Sill	26.48		
	Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.			
	For Buff Or Gray, Add	0.52		
04 21 13 00-0020	LF Double Utility Size Red Brick, Window Sill.....	26.48		
	Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.			
	For Buff Or Gray, Add	0.52		
04 21 13 00-0021	LF Norman Size Red Brick, Window Sill	25.52		
	Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.			
	For Buff Or Gray, Add	0.36		
04 21 13 00-0022	LF Roman Size Red Brick, Window Sill	25.61		
	Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.			
	For Buff Or Gray, Add	0.38		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 21 19 Clay Tile Masonry (04 21)

04 21 19 00-0001	Scored Face, Hollow, Clay Backing Tile (04 21 19)	
04 21 19 00-0002	Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)	
04 21 19 00-0003	SF 4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	26.93
	For Smooth Face, One Side, Add	1.72
	For Smooth Face, Two Sides, Add	2.89
04 21 19 00-0004	SF 6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	29.31
	For Smooth Face, One Side, Add	1.90
	For Smooth Face, Two Sides, Add	3.22
04 21 19 00-0005	SF 8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	32.95
	For Smooth Face, One Side, Add	2.21
	For Smooth Face, Two Sides, Add	3.76
04 21 19 00-0006	SF 10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	45.66
	For Smooth Face, One Side, Add	3.42
	For Smooth Face, Two Sides, Add	5.92
04 21 19 00-0007	SF 12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	60.28
	For Smooth Face, One Side, Add	4.77
	For Smooth Face, Two Sides, Add	8.33

04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)

04 21 19 00-0009	SF 3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	22.51
	For Smooth Face, One Side, Add	1.38
	For Smooth Face, Two Sides, Add	2.31
04 21 19 00-0010	SF 4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	27.08
	For Smooth Face, One Side, Add	1.80
	For Smooth Face, Two Sides, Add	3.06
04 21 19 00-0011	SF 6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	27.77
	For Smooth Face, One Side, Add	1.82
	For Smooth Face, Two Sides, Add	3.09
04 21 19 00-0012	SF 8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	42.87
	For Smooth Face, One Side, Add	3.26
	For Smooth Face, Two Sides, Add	5.66
04 21 19 00-0013	SF 12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	58.70
	For Smooth Face, One Side, Add	4.72
	For Smooth Face, Two Sides, Add	8.27

04 21 26 Glazed Structural Clay Tile Masonry (04 21)

Note: Includes tile and mortar in all colors.

04 21 26 00-0001 6T Series Structural Glazed Clay Tile (04 21 26)

04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)

04 21 26 00-0003	SF 2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	35.25
	For Stacked Bond, Add	2.34
04 21 26 00-0004	SF 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	39.37
	For Stacked Bond, Add	2.34
04 21 26 00-0005	SF 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	47.91
	For Stacked Bond, Add	2.45

04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)

04 21 26 00-0007	LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	37.05
	For Stacked Bond, Add	2.77
04 21 26 00-0008	LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	43.92
	For Stacked Bond, Add	2.77

04 21 26 00-0009 8W Series Structural Glazed Clay Tile (04 21 26)

04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)

04 21 26 00-0011	SF 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	27.52
	For Stacked Bond, Add	1.49
04 21 26 00-0012	SF 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	34.12
	For Stacked Bond, Add	1.60
04 21 26 00-0013	SF 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	46.91
	For Stacked Bond, Add	1.70

04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)

04 21 26 00-0015	LF Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	37.59
	For Stacked Bond, Add	1.92
04 21 26 00-0016	LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	37.53
	For Stacked Bond, Add	1.92

04 21 26 00-0017 4W Series Structural Glazed Clay Tile (04 21 26)

04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)

04 21 26 00-0019	SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	36.80
	For Stacked Bond, Add	2.34
04 21 26 00-0020	SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	38.86
	For Stacked Bond, Add	2.34
04 21 26 00-0021	SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	48.16
	For Stacked Bond, Add	2.45

04 Masonry
04 20 Unit Masonry
04 21 Clay Unit Masonry

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

04 21 26 00-0022		Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0023	LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	38.31	
		<i>For Stacked Bond, Add</i>	2.77	
04 21 26 00-0024	LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile.....	43.81	
		<i>For Stacked Bond, Add</i>	2.77	
04 21 26 00-0025		6T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0026	SF	4" Thick, 6T Sound Absorbing Structural Glazed Tile	38.09	
04 21 26 00-0027	SF	6" Thick, 6T Sound Absorbing Structural Glazed Tile	41.13	
04 21 26 00-0028	SF	8" Thick, 6T Sound Absorbing Structural Glazed Tile	48.01	
04 21 26 00-0029		8T Series Sound Absorbing Structural Glazed Tile (04 21 26)		
04 21 26 00-0030	SF	4" Thick, 8T Sound Absorbing Structural Glazed Tile	41.80	
04 21 26 00-0031	SF	6" Thick, 8T Sound Absorbing Structural Glazed Tile	47.11	
04 21 26 00-0032	SF	8" Thick, 8T Acoustical Glazed Tile	55.95	
04 21 29 Terra Cotta Masonry (04 21)				
04 21 29 00-0001		Coping (04 21 29)		
		Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	SF	Terra Cotta Coping	118.80	44.60
		<i>For Smooth Tile Instead Of Scored, Add</i>	3.79	
		<i>For Reinforcing With Steel Rods, Add</i>	8.05	
04 21 29 00-0003		Partition Or Back Up (Scored) (04 21 29)		
04 21 29 00-0004		Non-load Bearing, 12" x 12" (04 21 29 00-0003)		
04 21 29 00-0005	SF	3" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	28.85	
		<i>For Smooth Tile Instead Of Scored, Add</i>	3.73	
		<i>For Reinforcing With Steel Rods, Add</i>	3.52	
04 21 29 00-0006	SF	4" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	30.62	
		<i>For Smooth Tile Instead Of Scored, Add</i>	3.90	
		<i>For Reinforcing With Steel Rods, Add</i>	3.70	
04 21 29 00-0007	SF	6" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	39.54	
		<i>For Smooth Tile Instead Of Scored, Add</i>	5.33	
		<i>For Reinforcing With Steel Rods, Add</i>	4.94	
04 21 29 00-0008	SF	8" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions.....	48.40	
		<i>For Smooth Tile Instead Of Scored, Add</i>	6.70	
		<i>For Reinforcing With Steel Rods, Add</i>	6.14	
04 21 29 00-0009		Load Bearing, 12" x 12" (04 21 29 00-0003)		
04 21 29 00-0010		In Walls (04 21 29 00-0009)		
04 21 29 00-0011	SF	4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	32.53	
		<i>For Smooth Tile Instead Of Scored, Add</i>	4.25	
		<i>For Reinforcing With Steel Rods, Add</i>	3.99	
04 21 29 00-0012	SF	6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	43.88	
		<i>For Smooth Tile Instead Of Scored, Add</i>	6.11	
		<i>For Reinforcing With Steel Rods, Add</i>	5.59	
04 21 29 00-0013	SF	8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	52.63	
		<i>For Smooth Tile Instead Of Scored, Add</i>	7.46	
		<i>For Reinforcing With Steel Rods, Add</i>	6.78	
04 21 29 00-0014	SF	10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	55.17	
		<i>For Smooth Tile Instead Of Scored, Add</i>	7.63	
		<i>For Reinforcing With Steel Rods, Add</i>	7.00	
04 21 29 00-0015	SF	12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	66.29	
		<i>For Smooth Tile Instead Of Scored, Add</i>	9.25	
		<i>For Reinforcing With Steel Rods, Add</i>	8.45	
04 21 29 00-0016		In Floors (04 21 29 00-0009)		
04 21 29 00-0017	SF	4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	29.55	
		<i>For Smooth Tile Instead Of Scored, Add</i>	4.25	
		<i>For Reinforcing With Steel Rods, Add</i>	3.84	
04 21 29 00-0018	SF	6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	40.57	
		<i>For Smooth Tile Instead Of Scored, Add</i>	6.11	
		<i>For Reinforcing With Steel Rods, Add</i>	5.42	
04 21 29 00-0019	SF	8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	49.23	
		<i>For Smooth Tile Instead Of Scored, Add</i>	7.46	
		<i>For Reinforcing With Steel Rods, Add</i>	6.61	
04 21 29 00-0020	SF	10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	51.35	
		<i>For Smooth Tile Instead Of Scored, Add</i>	7.63	
		<i>For Reinforcing With Steel Rods, Add</i>	6.81	
04 21 29 00-0021	SF	12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	61.33	
		<i>For Smooth Tile Instead Of Scored, Add</i>	9.25	
		<i>For Reinforcing With Steel Rods, Add</i>	8.21	

04 22 Concrete Unit Masonry (04 20)

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

		Masonry	04	04
		Unit Masonry	04 20	
		Concrete Unit Masonry	04 22	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

04 22 23 Architectural Concrete Unit Masonry (04 22)

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

04 22 23 13-0001	Concrete Blocks (04 22 23 13)	
04 22 23 13-0002	Lightweight Concrete Blocks (04 22 23 13-0001)	
04 22 23 13-0003	Cored, Lightweight, Concrete Blocks (04 22 23 13-0002)	
04 22 23 13-0004	SF 4" x 8" x 16", Cored, Lightweight, Concrete Block	13.71
	For Stacked Bond, Add	2.94
	For Scored Block, Add	0.48
	For Curved Wall Application, Add	2.26
	For <10, Small Area Replacements (Individual Areas), Add	17.15
04 22 23 13-0005	SF 6" x 8" x 16", Cored, Lightweight, Concrete Block	15.29
	For Stacked Bond, Add	3.18
	For Scored Block, Add	0.61
	For Curved Wall Application, Add	2.45
	For <10, Small Area Replacements (Individual Areas), Add	18.59
04 22 23 13-0006	SF 8" x 8" x 16", Cored, Lightweight, Concrete Block	16.57
	For Stacked Bond, Add	3.42
	For Scored Block, Add	0.69
	For Curved Wall Application, Add	2.63
	For <10, Small Area Replacements (Individual Areas), Add	19.97
04 22 23 13-0007	SF 10" x 8" x 16", Cored, Lightweight, Concrete Block	18.33
	For Stacked Bond, Add	3.58
	For Scored Block, Add	0.92
	For Curved Wall Application, Add	2.75
	For <10, Small Area Replacements (Individual Areas), Add	20.97
04 22 23 13-0008	SF 12" x 8" x 16", Cored, Lightweight, Concrete Block	21.67
	For Stacked Bond, Add	4.36
	For Scored Block, Add	0.98
	For Curved Wall Application, Add	3.35
	For <10, Small Area Replacements (Individual Areas), Add	25.49

04 22 23 13-0009 Solid, Lightweight, Concrete Blocks (04 22 23 13-0002)

04 22 23 13-0010	SF 4" x 8" x 16", Solid, Lightweight, Concrete Block	14.81
	For Stacked Bond, Add	3.02
	For Scored Block, Add	0.64
	For Curved Wall Application, Add	2.32
	For <10, Small Area Replacements (Individual Areas), Add	17.66
04 22 23 13-0011	SF 6" x 8" x 16", Solid, Lightweight, Concrete Block	16.23
	For Stacked Bond, Add	3.32
	For Scored Block, Add	0.69
	For Curved Wall Application, Add	2.55
	For <10, Small Area Replacements (Individual Areas), Add	19.40
04 22 23 13-0012	SF 8" x 8" x 16", Solid, Lightweight, Concrete Block	17.13
	For Stacked Bond, Add	3.52
	For Scored Block, Add	0.72
	For Curved Wall Application, Add	2.71
	For <10, Small Area Replacements (Individual Areas), Add	20.58
04 22 23 13-0013	SF 10" x 8" x 16", Solid, Lightweight, Concrete Block	19.14
	For Stacked Bond, Add	3.69
	For Scored Block, Add	0.99
	For Curved Wall Application, Add	2.84
	For <10, Small Area Replacements (Individual Areas), Add	21.64
04 22 23 13-0014	SF 12" x 8" x 16", Solid, Lightweight, Concrete Block	22.61
	For Stacked Bond, Add	4.50
	For Scored Block, Add	1.06
	For Curved Wall Application, Add	3.46
	For <10, Small Area Replacements (Individual Areas), Add	26.36

04 22 23 13-0015 Normal Weight Concrete Blocks (04 22 23 13-0001)

04 22 23 13-0016 Cored, Normal Weight, Concrete Blocks (04 22 23 13-0015)

04 22 23 13-0017	SF 4" x 8" x 16", Cored, Normal Weight, Concrete Block	14.01
	For Stacked Bond, Add	3.02
	For Scored Block, Add	0.48
	For Curved Wall Application, Add	2.32
	For <10, Small Area Replacements (Individual Areas), Add	17.60
	For 3,500 PSI, Add	0.50
	For 5,000 PSI, Add	0.86
04 22 23 13-0018	SF 6" x 8" x 16", Cored, Normal Weight, Concrete Block	15.51
	For Stacked Bond, Add	3.32
	For Scored Block, Add	0.55
	For Curved Wall Application, Add	2.55
	For <10, Small Area Replacements (Individual Areas), Add	19.35
	For 3,500 PSI, Add	0.58
	For 5,000 PSI, Add	0.99
04 22 23 13-0019	SF 8" x 8" x 16", Cored, Normal Weight, Concrete Block	16.71
	For Stacked Bond, Add	3.52
	For Scored Block, Add	0.63
	For Curved Wall Application, Add	2.71
	For <10, Small Area Replacements (Individual Areas), Add	20.55
	For 3,500 PSI, Add	0.67
	For 5,000 PSI, Add	1.14

04 Masonry**04 20 Unit Masonry****04 22 Concrete Unit Masonry**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
04 22 23 13-0020	SF	10" x 8" x 16", Cored, Normal Weight, Concrete Block.....	20.28		
		For Stacked Bond, Add	3.69		
		For Scored Block, Add	1.22		
		For Curved Wall Application, Add	2.84		
		For <10, Small Area Replacements (Individual Areas), Add	21.73		
		For 3,500 PSI, Add	1.28		
		For 5,000 PSI, Add	2.20		
04 22 23 13-0021	SF	12" x 8" x 16", Cored, Normal Weight, Concrete Block.....	23.60		
		For Stacked Bond, Add	4.50		
		For Scored Block, Add	1.26		
		For Curved Wall Application, Add	3.46		
		For <10, Small Area Replacements (Individual Areas), Add	26.44		
		For 3,500 PSI, Add	1.32		
		For 5,000 PSI, Add	2.26		
04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks (04 22 23 13-0015)					
04 22 23 13-0023	SF	4" x 8" x 16", Solid, Normal Weight, Concrete Block.....	14.96		
		For Stacked Bond, Add	3.10		
		For Scored Block, Add	0.61		
		For Curved Wall Application, Add	2.38		
		For <10, Small Area Replacements (Individual Areas), Add	18.09		
		For 3,500 PSI, Add	0.64		
		For 5,000 PSI, Add	1.10		
04 22 23 13-0024	SF	6" x 8" x 16", Solid, Normal Weight, Concrete Block.....	15.96		
		For Stacked Bond, Add	3.42		
		For Scored Block, Add	0.56		
		For Curved Wall Application, Add	2.63		
		For <10, Small Area Replacements (Individual Areas), Add	19.92		
		For 3,500 PSI, Add	0.59		
		For 5,000 PSI, Add	1.02		
04 22 23 13-0025	SF	8" x 8" x 16", Solid, Normal Weight, Concrete Block.....	17.24		
		For Stacked Bond, Add	3.63		
		For Scored Block, Add	0.66		
		For Curved Wall Application, Add	2.79		
		For <10, Small Area Replacements (Individual Areas), Add	21.19		
		For 3,500 PSI, Add	0.69		
		For 5,000 PSI, Add	1.18		
04 22 23 13-0026	SF	10" x 8" x 16", Solid, Normal Weight, Concrete Block.....	19.04		
		For Stacked Bond, Add	3.81		
		For Scored Block, Add	0.88		
		For Curved Wall Application, Add	2.93		
		For <10, Small Area Replacements (Individual Areas), Add	22.30		
		For 3,500 PSI, Add	0.92		
		For 5,000 PSI, Add	1.58		
04 22 23 13-0027	SF	12" x 8" x 16", Solid, Normal Weight, Concrete Block.....	22.49		
		For Stacked Bond, Add	4.66		
		For Scored Block, Add	0.92		
		For Curved Wall Application, Add	3.58		
		For <10, Small Area Replacements (Individual Areas), Add	27.21		
		For 3,500 PSI, Add	0.96		
		For 5,000 PSI, Add	1.65		
04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks (04 22 23 13)					
04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)					
Note: Excludes concrete fill and reinforcing.					
04 22 23 13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	16.00		
		For Stacked Bond, Add	3.18		
		For Grout And Fill With 2 #5 Rebar, Add	9.88		
		For Scored Block, Add	0.75		
		For Curved Wall Application, Add	2.45		
04 22 23 13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	17.69		
		For Stacked Bond, Add	3.42		
		For Grout And Fill With 2 #5 Rebar, Add	11.12		
		For Scored Block, Add	0.91		
		For Curved Wall Application, Add	2.63		
04 22 23 13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	21.59		
		For Stacked Bond, Add	4.36		
		For Grout And Fill With 2 #5 Rebar, Add	13.22		
		For Scored Block, Add	0.97		
		For Curved Wall Application, Add	3.35		
04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)					
Note: Excludes concrete fill and reinforcing.					
04 22 23 13-0034	LF	6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	15.98		
		For Stacked Bond, Add	3.32		
		For Grout And Fill With 2 #5 Rebar, Add	9.60		
		For Scored Block, Add	0.64		
		For Curved Wall Application, Add	2.55		
		For 3,500 PSI, Add	0.68		
		For 5,000 PSI, Add	1.16		
04 22 23 13-0035	LF	8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	17.55		
		For Stacked Bond, Add	3.52		
		For Grout And Fill With 2 #5 Rebar, Add	10.78		
		For Scored Block, Add	0.80		
		For Curved Wall Application, Add	2.71		
		For 3,500 PSI, Add	0.84		
		For 5,000 PSI, Add	1.44		

Natividad MEDICAL CENTER			Masonry 04		04
			Unit Masonry	04 20	
			Concrete Unit Masonry	04 22	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
04 22 23 13-0036	LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	21.61		
		For Stacked Bond, Add	4.50		
		For Grout And Fill With 2 #5 Rebar, Add	12.96		
		For Scored Block, Add	0.86		
		For Curved Wall Application, Add	3.46		
		For 3,500 PSI, Add	0.90		
		For 5,000 PSI, Add	1.55		
04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)					
04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)					
04 22 23 23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block	18.03		
		For Stacked Bond, Add	3.69		
		For Scored Block, Add	0.77		
		For Curved Wall Application, Add	2.84		
		For <10, Small Area Replacements (Individual Areas), Add	21.56		
04 22 23 23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block	20.35		
		For Stacked Bond, Add	4.15		
		For Scored Block, Add	0.88		
		For Curved Wall Application, Add	3.19		
		For <10, Small Area Replacements (Individual Areas), Add	24.27		
04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block	22.05		
		For Stacked Bond, Add	4.38		
		For Scored Block, Add	1.04		
		For Curved Wall Application, Add	3.37		
		For <10, Small Area Replacements (Individual Areas), Add	25.68		
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block	23.59		
		For Stacked Bond, Add	4.65		
		For Scored Block, Add	1.14		
		For Curved Wall Application, Add	3.57		
		For <10, Small Area Replacements (Individual Areas), Add	27.23		
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block	27.89		
		For Stacked Bond, Add	5.62		
		For Scored Block, Add	1.25		
		For Curved Wall Application, Add	4.33		
		For <10, Small Area Replacements (Individual Areas), Add	32.91		
04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)					
04 22 23 26-0001 Slotted, Acoustical Concrete Block (04 22 23 26)					
04 22 23 26-0002	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	24.82		
		For Stacked Bond, Add	3.69		
		For Curved Wall Application, Add	2.84		
		For <10, Small Area Replacements (Individual Areas), Add	22.07		
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	27.88		
		For Stacked Bond, Add	4.01		
		For Curved Wall Application, Add	3.08		
		For <10, Small Area Replacements (Individual Areas), Add	24.05		
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	32.23		
		For Stacked Bond, Add	4.38		
		For Curved Wall Application, Add	3.37		
		For <10, Small Area Replacements (Individual Areas), Add	26.44		
04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)					
04 22 23 29-0001 Split Face, Concrete Blocks (04 22 23 29)					
04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks (04 22 23 29-0001)					
04 22 23 29-0003	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	18.49		
		For Stacked Bond, Add	3.69		
		For Curved Wall Application, Add	2.84		
		For <10, Small Area Replacements (Individual Areas), Add	21.59		
04 22 23 29-0004	SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	20.88		
		For Stacked Bond, Add	4.15		
		For Curved Wall Application, Add	3.19		
		For <10, Small Area Replacements (Individual Areas), Add	24.31		
04 22 23 29-0005	SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	22.66		
		For Stacked Bond, Add	4.38		
		For Curved Wall Application, Add	3.37		
		For <10, Small Area Replacements (Individual Areas), Add	25.73		
04 22 23 29-0006	SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	24.32		
		For Stacked Bond, Add	4.65		
		For Curved Wall Application, Add	3.57		
		For <10, Small Area Replacements (Individual Areas), Add	27.29		
04 22 23 29-0007	SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	28.31		
		For Stacked Bond, Add	5.62		
		For Curved Wall Application, Add	4.33		
		For <10, Small Area Replacements (Individual Areas), Add	32.95		
04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)					
04 22 23 29-0009	SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	19.57		
		For Stacked Bond, Add	3.69		
		For Grout And Fill With 2 #5 Rebar, Add	12.48		
		For Curved Wall Application, Add	2.84		
		For <10, Small Area Replacements (Individual Areas), Add	21.67		

04 Masonry**04 20 Unit Masonry****04 22 Concrete Unit Masonry**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

04 22 23 29-0010	SF 6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	22.11	
	For Stacked Bond, Add	4.15	
	For Grout And Fill With 2 #5 Rebar, Add	14.13	
	For Curved Wall Application, Add	3.19	
	For <10, Small Area Replacements (Individual Areas), Add	24.40	
04 22 23 29-0011	SF 8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	24.11	
	For Stacked Bond, Add	4.38	
	For Grout And Fill With 2 #5 Rebar, Add	15.68	
	For Curved Wall Application, Add	3.37	
	For <10, Small Area Replacements (Individual Areas), Add	25.83	
04 22 23 29-0012	SF 10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	25.93	
	For Stacked Bond, Add	4.65	
	For Grout And Fill With 2 #5 Rebar, Add	17.00	
	For Curved Wall Application, Add	3.57	
	For <10, Small Area Replacements (Individual Areas), Add	27.41	
04 22 23 29-0013	SF 12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	29.99	
	For Stacked Bond, Add	5.62	
	For Grout And Fill With 2 #5 Rebar, Add	19.18	
	For Curved Wall Application, Add	4.33	
	For <10, Small Area Replacements (Individual Areas), Add	33.07	

04 22 23 29-0014 Split Rib, Concrete Block (04 22 23 29)**04 22 23 29-0015 Split Rib, Concrete Block (04 22 23 29-0014)**

04 22 23 29-0016	SF 4" x 8" x 16", Split Rib, Concrete Block.....	18.15	
	For Stacked Bond, Add	3.69	
	For Curved Wall Application, Add	2.84	
	For <10, Small Area Replacements (Individual Areas), Add	21.57	
04 22 23 29-0017	SF 6" x 8" x 16", Split Rib, Concrete Block.....	21.68	
	For Stacked Bond, Add	4.15	
	For Curved Wall Application, Add	3.19	
	For <10, Small Area Replacements (Individual Areas), Add	24.37	
04 22 23 29-0018	SF 8" x 8" x 16", Split Rib, Concrete Block.....	23.08	
	For Stacked Bond, Add	4.38	
	For Curved Wall Application, Add	3.37	
	For <10, Small Area Replacements (Individual Areas), Add	25.76	
04 22 23 29-0019	SF 10" x 8" x 16", Split Rib, Concrete Block.....	24.66	
	For Stacked Bond, Add	4.65	
	For Curved Wall Application, Add	3.57	
	For <10, Small Area Replacements (Individual Areas), Add	27.31	
04 22 23 29-0020	SF 12" x 8" x 16", Split Rib, Concrete Block.....	29.07	
	For Stacked Bond, Add	5.62	
	For Curved Wall Application, Add	4.33	
	For <10, Small Area Replacements (Individual Areas), Add	33.00	

04 22 23 31 Glazed Concrete Masonry Unit (04 22 23)**04 22 23 31-0001 One Glazed Face, Concrete Blocks (04 22 23 31)****04 22 23 31-0002 One Glazed Face, Concrete Blocks (04 22 23 31-0001)**

04 22 23 31-0003	SF 4" x 8" x 16", One Glazed Face, Concrete Block.....	32.82	
	For Stacked Bond, Add	3.58	
	For Curved Wall Application, Add	2.75	
	For <10, Small Area Replacements (Individual Areas), Add	22.06	
04 22 23 31-0004	SF 6" x 8" x 16", One Glazed Face, Concrete Block.....	35.10	
	For Stacked Bond, Add	3.94	
	For Curved Wall Application, Add	3.03	
	For <10, Small Area Replacements (Individual Areas), Add	24.21	
04 22 23 31-0005	SF 8" x 8" x 16", One Glazed Face, Concrete Block.....	37.19	
	For Stacked Bond, Add	4.15	
	For Curved Wall Application, Add	3.19	
	For <10, Small Area Replacements (Individual Areas), Add	25.53	
04 22 23 31-0006	SF 10" x 8" x 16", One Glazed Face, Concrete Block.....	39.39	
	For Stacked Bond, Add	4.38	
	For Curved Wall Application, Add	3.37	
	For <10, Small Area Replacements (Individual Areas), Add	26.98	
04 22 23 31-0007	SF 12" x 8" x 16", One Glazed Face, Concrete Block.....	44.00	
	For Stacked Bond, Add	5.30	
	For Curved Wall Application, Add	4.07	
	For <10, Small Area Replacements (Individual Areas), Add	32.33	

04 22 23 31-0008 Two Glazed Faces, Concrete Blocks (04 22 23 31)**04 22 23 31-0009 Two Glazed Faces, Concrete Blocks (04 22 23 31-0008)**

04 22 23 31-0010	SF 4" x 8" x 16", Two Glazed Faces, Concrete Block.....	44.00	
	For Stacked Bond, Add	4.08	
	For Curved Wall Application, Add	3.14	
	For <10, Small Area Replacements (Individual Areas), Add	25.64	
04 22 23 31-0011	SF 6" x 8" x 16", Two Glazed Faces, Concrete Block.....	46.11	
	For Stacked Bond, Add	4.38	
	For Curved Wall Application, Add	3.37	
	For <10, Small Area Replacements (Individual Areas), Add	27.48	
04 22 23 31-0012	SF 8" x 8" x 16", Two Glazed Faces, Concrete Block.....	49.14	
	For Stacked Bond, Add	4.84	
	For Curved Wall Application, Add	3.72	
	For <10, Small Area Replacements (Individual Areas), Add	30.22	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 23 Glass Unit Masonry (04 20)

04 23 13 Vertical Glass Unit Masonry (04 23)

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

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

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	94.83	
		For Solar Reflective (Suntrol) Blocks, Add	20.53	
		For Essex (Horizontal Striated) Blocks, Add	11.73	
		For Sculptured Or Patterned Blocks, Add	20.53	
		For Colored Glass, Add	58.67	
		For Thinline Block, Deduct	-14.67	
		For >1,000 To 5,000, Deduct	-6.53	
		For >5,000, Deduct	-11.27	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	68.12	
		For Solar Reflective (Suntrol) Blocks, Add	14.54	
		For Essex (Horizontal Striated) Blocks, Add	8.31	
		For Sculptured Or Patterned Blocks, Add	14.54	
		For Colored Glass, Add	41.53	
		For Thinline Block, Deduct	-10.38	
		For >1,000 To 5,000, Deduct	-4.72	
		For >5,000, Deduct	-8.13	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	77.52	
		For Solar Reflective (Suntrol) Blocks, Add	18.57	
		For Essex (Horizontal Striated) Blocks, Add	10.61	
		For Sculptured Or Patterned Blocks, Add	18.57	
		For Colored Glass, Add	53.06	
		For Thinline Block, Deduct	-13.27	
		For >1,000 To 5,000, Deduct	-5.09	
		For >5,000, Deduct	-8.96	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) (04 23 13)

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	972.77	
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	735.58	
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	501.22	
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	350.58	

04 40 Stone Assemblies (04)

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone (04 40)

04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone (04 41)

04 41 00 00-0002	SF	4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	28.57	8.78
04 41 00 00-0003	SF	6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	29.04	8.78

04 42 Exterior Stone Cladding (04 40)

04 42 43 Stone Panels for Curtain Walls (04 42)

04 42 43 00-0001 Marble Facing Panels (04 42 43)

Note: 3' x 1.5'

04 42 43 00-0002	SF	3/4" Thick Marble Facing Panels	64.10	18.88
04 42 43 00-0003	SF	7/8" Thick Marble Facing Panels	67.04	19.12
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels	75.65	19.49
04 42 43 00-0005	SF	2" Thick Marble Facing Panels	82.18	20.10
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels	87.51	21.32
04 42 43 00-0007	CF	Marble Face Panel	354.27	69.44

04 42 43 00-0008 Smooth Limestone Panels (04 42 43)

Note: Up to 12' x 5' panels.

04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels	63.60	37.89
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels	67.37	39.71
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels	71.31	41.54
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels	82.15	45.69

04 42 43 00-0013 Sandstone Panels (04 42 43)

04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels	72.22	39.71
04 42 43 00-0015	SF	4" Thick Sandstone Panels	79.69	45.69
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes	73.93	45.69

04 43 Stone Masonry (04 40)

04 43 16 Stone Fabrications (04 43)

04 43 16 00-0001 Marble (04 43 16)

04 43 16 00-0002 Marble Base (04 43 16 00-0001)

Note: 1" thick.

04 43 16 00-0003	LF	4" High Marble Base	113.74	76.55
04 43 16 00-0004	LF	6" High Marble Base	127.32	83.39

04	04	Masonry
	04 40	Stone Assemblies
	04 43	Stone Masonry



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

04 43 16 00-0005		Marble Columns (04 43 16 00-0001)		
04 43 16 00-0006	CF	Plain Faced Solid Marble Columns.....	259.78	69.44
04 43 16 00-0007	CF	Fluted, Carved Solid Marble Columns.....	398.61	69.44
04 43 16 00-0008		Marble Flooring (04 43 16 00-0001)		
04 43 16 00-0009	SF	3/8" Uniform Color Marble Flooring.....	29.94	17.53
04 43 16 00-0010	SF	1/2" Uniform Color Marble Flooring.....	31.48	17.53
04 43 16 00-0011	SF	1/2" Travertine Marble Flooring.....	37.25	20.02
04 43 16 00-0012		Marble Items (04 43 16 00-0001)		
04 43 16 00-0013	LF	12" Wide Marble Stair Treads.....	70.45	27.87
04 43 16 00-0014	LF	6" Wide Marble Stair Risers.....	54.20	22.34
04 43 16 00-0015	LF	6" Wide x 2" Thick Marble Window Sills.....	33.87	16.39
04 43 16 00-0016	LF	5" Wide x 7/8" Thick Marble Window Stool, Polished.....	59.93	20.12
04 43 16 00-0017	SF	7/8" Thick, Non-Skid, Marble Patio Blocks.....	40.99	25.41
04 43 16 00-0018		Limestone (04 43 16)		
04 43 16 00-0019		Ashlar Veneer Limestone (04 43 16 00-0018)		
04 43 16 00-0020	SF	4" Ashlar Veneer Limestone, Random Sizes.....	63.05	27.87
04 43 16 00-0021	SF	6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes.....	94.90	38.29
04 43 16 00-0022		Limestone Items (04 43 16 00-0018)		
04 43 16 00-0023	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	193.19	93.34
04 43 16 00-0024		Limestone Coping (04 43 16 00-0018)		
		Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0025	SF	2-1/2" Thick Limestone Coping.....	30.60	9.75
04 43 16 00-0026	SF	3" Thick Limestone Coping.....	34.04	10.35
04 43 16 00-0027	SF	3-1/2" Thick Limestone Coping.....	37.48	10.96
04 43 16 00-0028	SF	4" Thick Limestone Coping.....	39.70	11.33
04 43 16 00-0029	SF	5" Thick Limestone Coping.....	45.35	11.57
04 43 16 00-0030	SF	6" Thick Limestone Coping.....	64.08	12.18
04 43 16 00-0031	CF	>6" Thick Limestone Coping.....	105.80	24.89
04 43 16 00-0032		Limestone Stair Treads (04 43 16 00-0018)		
04 43 16 00-0033	SF	2" Thick Limestone Treads.....	37.52	9.14
04 43 16 00-0034	SF	2-1/2" Thick Limestone Treads.....	39.79	9.75
04 43 16 00-0035	SF	3" Thick Limestone Treads.....	44.33	10.35
04 43 16 00-0036	SF	3-1/2" Thick Limestone Treads.....	47.66	10.96
04 43 16 00-0037	SF	4" Thick Limestone Treads.....	51.00	10.96
04 43 16 00-0038	SF	5" Thick Limestone Treads.....	55.21	11.57
04 43 16 00-0039	SF	6" Thick Limestone Tread, Smooth Finish.....	74.28	12.18
04 43 16 00-0040		Granite (04 43 16)		
04 43 16 00-0041		Polished Granite Veneer Facing Panels (04 43 16 00-0040)		
		Note: Excludes structural support steel.		
04 43 16 00-0042	SF	7/8" Thick Black Polished Granite Veneer Facing Panels.....	123.89	38.14
04 43 16 00-0043	SF	7/8" Thick Gray Polished Granite Veneer Facing Panels.....	112.33	38.14
04 43 16 00-0044		Granite Stair Treads (04 43 16 00-0040)		
04 43 16 00-0045	SF	2" Thick Granite Stair Tread.....	72.65	9.14
04 43 16 00-0046		Slate (04 43 16)		
04 43 16 00-0047		Slate Panels Or Sills (04 43 16 00-0046)		
04 43 16 00-0048	SF	1" Thick Slate Panels.....	65.41	38.14
04 43 16 00-0049	SF	2" Thick Slate Panels.....	74.88	38.14
04 43 16 00-0050		Slate Sills Or Stools (04 43 16 00-0046)		
04 43 16 00-0051	LF	6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	29.72	16.49
04 43 16 00-0052	LF	10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	35.74	16.49
04 43 16 00-0053	LF	6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	34.89	16.49
04 43 16 00-0054	LF	10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	47.81	16.49
04 43 16 00-0055		Slate Stair Treads (04 43 16 00-0046)		
04 43 16 00-0056	SF	2" Thick Slate Stair Tread.....	43.37	9.14

		Masonry	04	04
		Manufactured Masonry	04 70	
		Stone Masonry	04 43	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

04 70 Manufactured Masonry (04)

04 72 Cast Stone Masonry (04 70)

04 72 00 00-0001	Precast Concrete Lintels (04 72)		
04 72 00 00-0002	Solid Precast Concrete Lintels (04 72 00 00-0001)		
04 72 00 00-0003	LF 4" x 8", Solid Precast Concrete Lintel	18.80	
04 72 00 00-0004	LF 6" x 8", Solid Precast Concrete Lintel	23.95	
04 72 00 00-0005	LF 8" x 8", Solid Precast Concrete Lintel	29.58	

04 72 00 00-0006	U Shaped Precast Concrete Lintels (04 72 00 00-0001)		
Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.			
04 72 00 00-0007	LF 6" x 8", U Shaped Precast Concrete Lintel	20.16	
04 72 00 00-0008	LF 8" x 8", U Shaped Precast Concrete Lintel	24.44	
04 72 00 00-0009	LF 12" x 8", U Shaped Precast Concrete Lintel	40.11	

04 72 00 00-0010	Precast Concrete Coping (04 72)		
Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 43 00 00-0000 for stone coping, 07 62 00 00-0000 for metal copings.			

04 72 00 00-0011	Precast Concrete Coping (04 72 00 00-0010)		
Note: Measured at highest point.			
04 72 00 00-0012	SF 2" Thick Precast Concrete Coping	59.51	13.49
04 72 00 00-0013	SF 2-1/2" Thick Precast Concrete Coping	67.17	14.52
04 72 00 00-0014	SF 3" Thick Precast Concrete Coping	77.62	15.55
04 72 00 00-0015	SF 3-1/2" Thick Precast Concrete Coping	83.57	16.60
04 72 00 00-0016	SF 4" Thick Precast Concrete Coping	89.58	17.63
04 72 00 00-0017	SF 5" Thick Precast Concrete Coping	106.59	18.67
04 72 00 00-0018	SF 6" Thick Precast Concrete Coping	121.68	19.71

04 72 00 00-0019	Precast Concrete Window Sills (04 72)		
Note: Includes caulk and ties.			
04 72 00 00-0020	Precast Concrete Window Sills (04 72 00 00-0019)		
04 72 00 00-0021	LF 6" Wide Precast Concrete Window Sill	43.64	10.37
04 72 00 00-0022	LF 10" Wide Precast Concrete Window Sill	65.63	10.37
04 72 00 00-0023	LF 14" Wide Precast Concrete Window Sill	77.59	10.37

END OF SECTION 04

04	04	Masonry	
	04 70	Manufactured Masonry	
	04 72	Cast Stone Masonry	



MINOR				TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION				UNIT COST		UNIT COST	

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		Metals	05	05
		Maintenance of Metals	05 01	
		Maintenance of Metal Fabrications	05 01 50	
MINOR	CSI	UOM	DESCRIPTION	
			TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

05 Metals

05 01 Maintenance of Metals ⁽⁰⁵⁾

05 01 50 Maintenance of Metal Fabrications ^(05 01)

- 05 01 50 51 Cleaning of Metal Fabrications** ^(05 01 50)
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.
- 05 01 50 61 Repair of Metal Fabrications** ^(05 01 50)
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.
- 05 01 50 63 Refinishing of Metal Fabrications** ^(05 01 50)
See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 01 70 Maintenance of Decorative Metal ^(05 01)

- 05 01 70 51 Cleaning of Decorative Metal** ^(05 01 70)
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.
- 05 01 70 61 Repair of Decorative Metal** ^(05 01 70)
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.
- 05 01 70 63 Refinishing of Decorative Metal** ^(05 01 70)
See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 05 Common Work Results for Metals ⁽⁰⁵⁾

05 05 19 Post-Installed Concrete Anchors ^(05 05)

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001	Concrete And Masonry Anchors	^(05 05 19)	
05 05 19 00-0002	Expansion Anchors	^(05 05 19 00-0001)	
	Note: Includes drilling.		
05 05 19 00-0003	Wedge Expansion Bolt Anchors	^(05 05 19 00-0002)	
05 05 19 00-0004	Zinc Plated Steel, Wedge Anchor Expansion Bolt	^(05 05 19 00-0003)	
	Note: Includes nut and washer.		
05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		14.11
	For >10 To 50, Deduct		-0.67
	For >50 To 100, Deduct		-1.36
	For >100, Deduct		-2.71
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		14.23
	For >10 To 50, Deduct		-0.67
	For >50 To 100, Deduct		-1.36
	For >100, Deduct		-2.72
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		14.66
	For >10 To 50, Deduct		-0.69
	For >50 To 100, Deduct		-1.40
	For >100, Deduct		-2.79
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		17.31
	For >10 To 50, Deduct		-0.81
	For >50 To 100, Deduct		-1.65
	For >100, Deduct		-3.30
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		17.40
	For >10 To 50, Deduct		-0.81
	For >50 To 100, Deduct		-1.65
	For >100, Deduct		-3.31
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		17.43
	For >10 To 50, Deduct		-0.81
	For >50 To 100, Deduct		-1.66
	For >100, Deduct		-3.31
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		17.77
	For >10 To 50, Deduct		-0.81
	For >50 To 100, Deduct		-1.66
	For >100, Deduct		-3.33
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		25.02
	For >10 To 50, Deduct		-1.16
	For >50 To 100, Deduct		-2.36
	For >100, Deduct		-4.72
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		25.09
	For >10 To 50, Deduct		-1.16
	For >50 To 100, Deduct		-2.36
	For >100, Deduct		-4.72
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		25.23
	For >10 To 50, Deduct		-1.16
	For >50 To 100, Deduct		-2.36
	For >100, Deduct		-4.73
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		25.60
	For >10 To 50, Deduct		-1.16
	For >50 To 100, Deduct		-2.37
	For >100, Deduct		-4.75
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		26.12
	For >10 To 50, Deduct		-1.16
	For >50 To 100, Deduct		-2.39
	For >100, Deduct		-4.77

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.36	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-2.95	
	For >100, Deduct	-5.90	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.47	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-2.95	
	For >100, Deduct	-5.90	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.71	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-2.96	
	For >100, Deduct	-5.92	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.17	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-2.97	
	For >100, Deduct	-5.94	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.63	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-2.98	
	For >100, Deduct	-5.96	
05 05 19 00-0022	EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	37.28	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.07	
	For >100, Deduct	-6.14	
05 05 19 00-0023	EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	40.40	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.15	
	For >100, Deduct	-6.30	
05 05 19 00-0024	EA 3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.01	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-3.52	
	For >100, Deduct	-7.04	
05 05 19 00-0025	EA 3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.11	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-3.52	
	For >100, Deduct	-7.05	
05 05 19 00-0026	EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.66	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-3.54	
	For >100, Deduct	-7.08	
05 05 19 00-0027	EA 3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.33	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-3.55	
	For >100, Deduct	-7.11	
05 05 19 00-0028	EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	41.10	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-3.57	
	For >100, Deduct	-7.15	
05 05 19 00-0029	EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	44.03	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-3.65	
	For >100, Deduct	-7.30	
05 05 19 00-0030	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	47.92	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-3.75	
	For >100, Deduct	-7.49	
05 05 19 00-0031	EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	52.30	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-3.85	
	For >100, Deduct	-7.71	
05 05 19 00-0032	EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	51.31	
	For >10 To 50, Deduct	-1.84	
	For >50 To 100, Deduct	-4.05	
	For >100, Deduct	-8.09	
05 05 19 00-0033	EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	53.61	
	For >10 To 50, Deduct	-1.84	
	For >50 To 100, Deduct	-4.10	
	For >100, Deduct	-8.21	
05 05 19 00-0034	EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	56.67	
	For >10 To 50, Deduct	-1.84	
	For >50 To 100, Deduct	-4.18	
	For >100, Deduct	-8.36	
05 05 19 00-0035	EA 1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	63.77	
	For >10 To 50, Deduct	-2.38	
	For >50 To 100, Deduct	-5.17	
	For >100, Deduct	-10.34	
05 05 19 00-0036	EA 1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	68.11	
	For >10 To 50, Deduct	-2.38	
	For >50 To 100, Deduct	-5.28	
	For >100, Deduct	-10.56	
05 05 19 00-0037	EA 1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	72.42	
	For >10 To 50, Deduct	-2.38	
	For >50 To 100, Deduct	-5.39	
	For >100, Deduct	-10.77	
05 05 19 00-0038	EA 1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	82.94	
	For >10 To 50, Deduct	-3.05	
	For >50 To 100, Deduct	-6.65	
	For >100, Deduct	-13.30	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0039 EA 1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	86.04	
For >10 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-6.73	
For >100, Deduct	-13.46	
 05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)		
Note: Includes nut and washer.		
05 05 19 00-0041 EA 1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.24	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.38	
For >100, Deduct	-2.77	
05 05 19 00-0042 EA 1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.67	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.39	
For >100, Deduct	-2.79	
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.29	
For >10 To 50, Deduct	-0.69	
For >50 To 100, Deduct	-1.44	
For >100, Deduct	-2.87	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.40	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.70	
For >100, Deduct	-3.41	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.77	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.71	
For >100, Deduct	-3.43	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.04	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.72	
For >100, Deduct	-3.44	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.07	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.77	
For >100, Deduct	-3.54	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.70	
For >10 To 50, Deduct	-1.16	
For >50 To 100, Deduct	-2.48	
For >100, Deduct	-4.95	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.40	
For >10 To 50, Deduct	-1.16	
For >50 To 100, Deduct	-2.49	
For >100, Deduct	-4.99	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.80	
For >10 To 50, Deduct	-1.16	
For >50 To 100, Deduct	-2.50	
For >100, Deduct	-5.01	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.65	
For >10 To 50, Deduct	-1.16	
For >50 To 100, Deduct	-2.55	
For >100, Deduct	-5.10	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	35.44	
For >10 To 50, Deduct	-1.16	
For >50 To 100, Deduct	-2.62	
For >100, Deduct	-5.24	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.86	
For >10 To 50, Deduct	-1.43	
For >50 To 100, Deduct	-3.19	
For >100, Deduct	-6.37	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	43.67	
For >10 To 50, Deduct	-1.43	
For >50 To 100, Deduct	-3.23	
For >100, Deduct	-6.46	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	45.63	
For >10 To 50, Deduct	-1.43	
For >50 To 100, Deduct	-3.28	
For >100, Deduct	-6.56	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	48.23	
For >10 To 50, Deduct	-1.43	
For >50 To 100, Deduct	-3.35	
For >100, Deduct	-6.69	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	59.65	
For >10 To 50, Deduct	-1.43	
For >50 To 100, Deduct	-3.63	
For >100, Deduct	-7.26	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	49.96	
For >10 To 50, Deduct	-1.70	
For >50 To 100, Deduct	-3.80	
For >100, Deduct	-7.59	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	53.63	
For >10 To 50, Deduct	-1.70	
For >50 To 100, Deduct	-3.89	
For >100, Deduct	-7.77	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	56.77	
For >10 To 50, Deduct	-1.70	
For >50 To 100, Deduct	-3.97	
For >100, Deduct	-7.93	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0061	EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.16	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-3.98	
	For >100, Deduct	-7.95	
05 05 19 00-0062	EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	60.11	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-4.05	
	For >100, Deduct	-8.10	
05 05 19 00-0063	EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	67.77	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-4.24	
	For >100, Deduct	-8.48	
05 05 19 00-0064	EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	78.56	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-4.51	
	For >100, Deduct	-9.02	
05 05 19 00-0065	EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	79.45	
	For >10 To 50, Deduct	-1.84	
	For >50 To 100, Deduct	-4.75	
	For >100, Deduct	-9.50	
05 05 19 00-0066	EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	114.50	
	For >10 To 50, Deduct	-2.38	
	For >50 To 100, Deduct	-6.44	
	For >100, Deduct	-12.88	
05 05 19 00-0067	EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	130.46	
	For >10 To 50, Deduct	-2.38	
	For >50 To 100, Deduct	-6.84	
	For >100, Deduct	-13.68	

05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0069	EA 1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.61	
	For >10 To 50, Deduct	-0.67	
	For >50 To 100, Deduct	-1.39	
	For >100, Deduct	-2.79	
05 05 19 00-0070	EA 1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.46	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.44	
	For >100, Deduct	-2.88	
05 05 19 00-0071	EA 3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.61	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.73	
	For >100, Deduct	-3.47	
05 05 19 00-0072	EA 3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.25	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.75	
	For >100, Deduct	-3.50	
05 05 19 00-0073	EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.42	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.76	
	For >100, Deduct	-3.51	
05 05 19 00-0074	EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.48	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.83	
	For >100, Deduct	-3.66	
05 05 19 00-0075	EA 1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.63	
	For >10 To 50, Deduct	-1.16	
	For >50 To 100, Deduct	-2.55	
	For >100, Deduct	-5.10	
05 05 19 00-0076	EA 1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.40	
	For >10 To 50, Deduct	-1.16	
	For >50 To 100, Deduct	-2.59	
	For >100, Deduct	-5.19	
05 05 19 00-0077	EA 1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	37.63	
	For >10 To 50, Deduct	-1.16	
	For >50 To 100, Deduct	-2.67	
	For >100, Deduct	-5.35	
05 05 19 00-0078	EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	38.43	
	For >10 To 50, Deduct	-1.16	
	For >50 To 100, Deduct	-2.69	
	For >100, Deduct	-5.39	
05 05 19 00-0079	EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	51.76	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.43	
	For >100, Deduct	-6.87	
05 05 19 00-0080	EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	52.73	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.46	
	For >100, Deduct	-6.92	
05 05 19 00-0081	EA 3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	63.80	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-4.14	
	For >100, Deduct	-8.28	
05 05 19 00-0082	EA 3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	67.83	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-4.24	
	For >100, Deduct	-8.48	

05 05 19 00-0083	Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)			
	Note: Includes nut and washer.			
05 05 19 00-0084	EA	1/2"	Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	28.02
			For >10 To 50, Deduct	-1.16
			For >50 To 100, Deduct	-2.43
			For >100, Deduct	-4.87
05 05 19 00-0085	EA	1/2"	Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	29.32
			For >10 To 50, Deduct	-1.16
			For >50 To 100, Deduct	-2.47
			For >100, Deduct	-4.93
05 05 19 00-0086	EA	1/2"	Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	30.60
			For >10 To 50, Deduct	-1.16
			For >50 To 100, Deduct	-2.50
			For >100, Deduct	-5.00
05 05 19 00-0087	EA	1/2"	Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	31.26
			For >10 To 50, Deduct	-1.16
			For >50 To 100, Deduct	-2.52
			For >100, Deduct	-5.03
05 05 19 00-0088	EA	5/8"	Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	37.83
			For >10 To 50, Deduct	-1.43
			For >50 To 100, Deduct	-3.09
			For >100, Deduct	-6.17
05 05 19 00-0089	EA	5/8"	Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	36.28
			For >10 To 50, Deduct	-1.43
			For >50 To 100, Deduct	-3.05
			For >100, Deduct	-6.09
05 05 19 00-0090	EA	3/4"	Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	48.43
			For >10 To 50, Deduct	-1.70
			For >50 To 100, Deduct	-3.76
			For >100, Deduct	-7.51
05 05 19 00-0091	EA	3/4"	Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	49.85
			For >10 To 50, Deduct	-1.70
			For >50 To 100, Deduct	-3.79
			For >100, Deduct	-7.59
05 05 19 00-0092	EA	3/4"	Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	56.85
			For >10 To 50, Deduct	-1.70
			For >50 To 100, Deduct	-3.97
			For >100, Deduct	-7.94
05 05 19 00-0093	EA	1"	Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	62.58
			For >10 To 50, Deduct	-2.38
			For >50 To 100, Deduct	-5.14
			For >100, Deduct	-10.28
05 05 19 00-0094	EA	1"	Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	66.61
			For >10 To 50, Deduct	-2.38
			For >50 To 100, Deduct	-5.24
			For >100, Deduct	-10.48
05 05 19 00-0095	EA	1"	Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	70.59
			For >10 To 50, Deduct	-2.38
			For >50 To 100, Deduct	-5.34
			For >100, Deduct	-10.68

05 05 19 00-0096 Concrete Sleeve Anchors (05 05 19 00-0002)

05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors (05 05 19 00-0096)

	Note: Includes nut and washer.			
05 05 19 00-0098	EA	1/4"	Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.20
			For >10 To 50, Deduct	-0.68
			For >50 To 100, Deduct	-1.38
			For >100, Deduct	-2.76
05 05 19 00-0099	EA	1/4"	Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.37
			For >10 To 50, Deduct	-0.68
			For >50 To 100, Deduct	-1.38
			For >100, Deduct	-2.77
05 05 19 00-0100	EA	1/4"	Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.57
			For >10 To 50, Deduct	-0.68
			For >50 To 100, Deduct	-1.39
			For >100, Deduct	-2.78
05 05 19 00-0101	EA	5/16"	Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.96
			For >10 To 50, Deduct	-0.72
			For >50 To 100, Deduct	-1.45
			For >100, Deduct	-2.90
05 05 19 00-0102	EA	5/16"	Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.11
			For >10 To 50, Deduct	-0.72
			For >50 To 100, Deduct	-1.45
			For >100, Deduct	-2.91
05 05 19 00-0103	EA	3/8"	Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.96
			For >10 To 50, Deduct	-0.81
			For >50 To 100, Deduct	-1.64
			For >100, Deduct	-3.29
05 05 19 00-0104	EA	3/8"	Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.24
			For >10 To 50, Deduct	-0.81
			For >50 To 100, Deduct	-1.65
			For >100, Deduct	-3.30
05 05 19 00-0105	EA	3/8"	Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.51
			For >10 To 50, Deduct	-0.81
			For >50 To 100, Deduct	-1.66
			For >100, Deduct	-3.31

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.38	
		For >10 To 50, Deduct	-1.15	
		For >50 To 100, Deduct	-2.34	
		For >100, Deduct	-4.68	
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.73	
		For >10 To 50, Deduct	-1.15	
		For >50 To 100, Deduct	-2.35	
		For >100, Deduct	-4.70	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.04	
		For >10 To 50, Deduct	-1.15	
		For >50 To 100, Deduct	-2.36	
		For >100, Deduct	-4.71	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.40	
		For >10 To 50, Deduct	-1.15	
		For >50 To 100, Deduct	-2.37	
		For >100, Deduct	-4.73	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	30.53	
		For >10 To 50, Deduct	-1.43	
		For >50 To 100, Deduct	-2.90	
		For >100, Deduct	-5.80	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.06	
		For >10 To 50, Deduct	-1.43	
		For >50 To 100, Deduct	-2.92	
		For >100, Deduct	-5.83	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.47	
		For >10 To 50, Deduct	-1.43	
		For >50 To 100, Deduct	-2.93	
		For >100, Deduct	-5.85	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.61	
		For >10 To 50, Deduct	-1.43	
		For >50 To 100, Deduct	-2.95	
		For >100, Deduct	-5.91	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	37.30	
		For >10 To 50, Deduct	-1.70	
		For >50 To 100, Deduct	-3.48	
		For >100, Deduct	-6.96	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	38.29	
		For >10 To 50, Deduct	-1.70	
		For >50 To 100, Deduct	-3.50	
		For >100, Deduct	-7.01	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	39.19	
		For >10 To 50, Deduct	-1.70	
		For >50 To 100, Deduct	-3.53	
		For >100, Deduct	-7.05	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	40.61	
		For >10 To 50, Deduct	-1.70	
		For >50 To 100, Deduct	-3.56	
		For >100, Deduct	-7.12	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	15.98	
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.42	
		For >100, Deduct	-2.85	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	20.58	
		For >10 To 50, Deduct	-0.81	
		For >50 To 100, Deduct	-1.73	
		For >100, Deduct	-3.47	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	22.30	
		For >10 To 50, Deduct	-0.81	
		For >50 To 100, Deduct	-1.78	
		For >100, Deduct	-3.55	
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	30.43	
		For >10 To 50, Deduct	-1.15	
		For >50 To 100, Deduct	-2.49	
		For >100, Deduct	-4.98	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	33.53	
		For >10 To 50, Deduct	-1.15	
		For >50 To 100, Deduct	-2.57	
		For >100, Deduct	-5.14	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	45.33	
		For >10 To 50, Deduct	-1.43	
		For >50 To 100, Deduct	-3.27	
		For >100, Deduct	-6.54	

05 05 19 00-0125 Concrete Strike Anchors (05 05 19 00-0002)

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.01	
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.40	
		For >100, Deduct	-2.80	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	15.29	
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.41	
		For >100, Deduct	-2.81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.96	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.47	
For >100, Deduct	-2.95	
05 05 19 00-0129 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	17.12	
For >10 To 50, Deduct	-0.72	
For >50 To 100, Deduct	-1.50	
For >100, Deduct	-3.01	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	18.22	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.67	
For >100, Deduct	-3.35	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	19.09	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.70	
For >100, Deduct	-3.39	
05 05 19 00-0132 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	19.76	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.71	
For >100, Deduct	-3.43	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	26.53	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.39	
For >100, Deduct	-4.79	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	27.05	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.41	
For >100, Deduct	-4.81	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	28.57	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.45	
For >100, Deduct	-4.89	
05 05 19 00-0136 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	30.54	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-2.49	
For >100, Deduct	-4.99	
05 05 19 00-0137 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	35.10	
For >10 To 50, Deduct	-1.43	
For >50 To 100, Deduct	-3.02	
For >100, Deduct	-6.03	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	36.92	
For >10 To 50, Deduct	-1.43	
For >50 To 100, Deduct	-3.06	
For >100, Deduct	-6.12	
05 05 19 00-0139 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	38.52	
For >10 To 50, Deduct	-1.43	
For >50 To 100, Deduct	-3.10	
For >100, Deduct	-6.20	
05 05 19 00-0140 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	44.89	
For >10 To 50, Deduct	-1.70	
For >50 To 100, Deduct	-3.67	
For >100, Deduct	-7.34	
05 05 19 00-0141 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	46.59	
For >10 To 50, Deduct	-1.70	
For >50 To 100, Deduct	-3.71	
For >100, Deduct	-7.42	
 05 05 19 00-0142 Multi-Set Drop-In Anchors (05 05 19 00-0002)		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors (05 05 19 00-0142)		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	19.73	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-1.92	
For >100, Deduct	-3.84	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	24.13	
For >10 To 50, Deduct	-1.16	
For >50 To 100, Deduct	-2.34	
For >100, Deduct	-4.68	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	29.36	
For >10 To 50, Deduct	-1.37	
For >50 To 100, Deduct	-2.78	
For >100, Deduct	-5.57	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	33.22	
For >10 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-3.08	
For >100, Deduct	-6.16	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	39.65	
For >10 To 50, Deduct	-1.71	
For >50 To 100, Deduct	-3.55	
For >100, Deduct	-7.11	
 05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors (05 05 19 00-0142)		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0150 EA 1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	23.36	
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.01	
For >100, Deduct	-4.02	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0151	EA 3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	30.97	
	For >10 To 50, Deduct	-1.16	
	For >50 To 100, Deduct	-2.51	
	For >100, Deduct	-5.03	
05 05 19 00-0152	EA 1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	38.39	
	For >10 To 50, Deduct	-1.37	
	For >50 To 100, Deduct	-3.01	
	For >100, Deduct	-6.02	
05 05 19 00-0153	EA 5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	47.76	
	For >10 To 50, Deduct	-1.50	
	For >50 To 100, Deduct	-3.45	
	For >100, Deduct	-6.89	
05 05 19 00-0154	EA 3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	64.65	
	For >10 To 50, Deduct	-1.71	
	For >50 To 100, Deduct	-4.18	
	For >100, Deduct	-8.36	

05 05 19 00-0155 Single Bolt Expansion Anchors (05 05 19 00-0002)

Note: Excludes bolt, nut and washer.

05 05 19 00-0156	EA 1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	14.45	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.39	
	For >100, Deduct	-2.77	
05 05 19 00-0157	EA 5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	15.42	
	For >10 To 50, Deduct	-0.72	
	For >50 To 100, Deduct	-1.46	
	For >100, Deduct	-2.92	
05 05 19 00-0158	EA 3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	17.45	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.66	
	For >100, Deduct	-3.31	
05 05 19 00-0159	EA 1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	25.40	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.37	
	For >100, Deduct	-4.73	
05 05 19 00-0160	EA 5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	34.88	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.01	
	For >100, Deduct	-6.02	
05 05 19 00-0161	EA 3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	42.04	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-3.60	
	For >100, Deduct	-7.19	

05 05 19 00-0162 Concrete Lag Shield Anchors (05 05 19 00-0002)

Note: Excludes lag bolt and washer.

05 05 19 00-0163	EA 1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	14.53	
	For >10 To 50, Deduct	-0.68	
	For >50 To 100, Deduct	-1.39	
	For >100, Deduct	-2.78	
05 05 19 00-0164	EA 5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	17.30	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.65	
	For >100, Deduct	-3.30	
05 05 19 00-0165	EA 3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	18.00	
	For >10 To 50, Deduct	-0.81	
	For >50 To 100, Deduct	-1.67	
	For >100, Deduct	-3.34	
05 05 19 00-0166	EA 1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	25.37	
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.37	
	For >100, Deduct	-4.73	
05 05 19 00-0167	EA 5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	33.79	
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-2.98	
	For >100, Deduct	-5.97	
05 05 19 00-0168	EA 3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	38.11	
	For >10 To 50, Deduct	-1.70	
	For >50 To 100, Deduct	-3.50	
	For >100, Deduct	-7.00	

05 05 19 00-0169 Chemical And Adhesive Anchors (05 05 19 00-0001)**05 05 19 00-0170 Chemically Adhered Anchor Rods (05 05 19 00-0169)**

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

05 05 19 00-0171	EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod.....	18.25	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-1.58	
	For >100, Deduct	-3.17	
05 05 19 00-0172	EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod.....	21.09	
	For >10 To 50, Deduct	-0.82	
	For >50 To 100, Deduct	-1.76	
	For >100, Deduct	-3.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0173	EA		3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	26.18	
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-2.19	
			For >100, Deduct	-4.38	
05 05 19 00-0174	EA		1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	30.59	
			For >10 To 50, Deduct	-1.15	
			For >50 To 100, Deduct	-2.50	
			For >100, Deduct	-4.99	
05 05 19 00-0175	EA		1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	32.31	
			For >10 To 50, Deduct	-1.15	
			For >50 To 100, Deduct	-2.54	
			For >100, Deduct	-5.08	
05 05 19 00-0176	EA		5/8" x 7" Long Chemically Adhered Anchor Rod.....	39.98	
			For >10 To 50, Deduct	-1.43	
			For >50 To 100, Deduct	-3.14	
			For >100, Deduct	-6.28	
05 05 19 00-0177	EA		3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	51.70	
			For >10 To 50, Deduct	-1.70	
			For >50 To 100, Deduct	-3.84	
			For >100, Deduct	-7.68	
05 05 19 00-0178	EA		7/8" x 10" Long Chemically Adhered Anchor Rod.....	61.01	
			For >10 To 50, Deduct	-1.84	
			For >50 To 100, Deduct	-4.28	
			For >100, Deduct	-8.56	
05 05 19 00-0179	EA		1" x 11-3/4" Long Chemically Adhered Anchor Rod	83.18	
			For >10 To 50, Deduct	-2.38	
			For >50 To 100, Deduct	-5.66	
			For >100, Deduct	-11.31	
05 05 19 00-0180	EA		1-1/4" x 14" Long Chemically Adhered Anchor Rod	118.76	
			For >10 To 50, Deduct	-3.01	
			For >50 To 100, Deduct	-7.48	
			For >100, Deduct	-14.95	
05 05 19 00-0181			Chemical Adhesives For Bolts, Dowels Or Threaded Rod (05 05 19 00-0169)		
			Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger than the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.		
05 05 19 00-0182	EA		1/4" Chemical Adhesive For Bolt Or Threaded Rod	15.43	
			For >10 To 50, Deduct	-0.75	
			For >50 To 100, Deduct	-1.51	
			For >100, Deduct	-3.03	
05 05 19 00-0183	EA		5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	16.90	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.65	
			For >100, Deduct	-3.31	
05 05 19 00-0184	EA		3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	19.78	
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-1.93	
			For >100, Deduct	-3.86	
05 05 19 00-0185	EA		1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	24.02	
			For >10 To 50, Deduct	-1.15	
			For >50 To 100, Deduct	-2.33	
			For >100, Deduct	-4.66	
05 05 19 00-0186	EA		5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	27.00	
			For >10 To 50, Deduct	-1.24	
			For >50 To 100, Deduct	-2.53	
			For >100, Deduct	-5.06	
05 05 19 00-0187	EA		3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	34.31	
			For >10 To 50, Deduct	-1.52	
			For >50 To 100, Deduct	-3.13	
			For >100, Deduct	-6.27	
05 05 19 00-0188	EA		7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	37.82	
			For >10 To 50, Deduct	-1.63	
			For >50 To 100, Deduct	-3.38	
			For >100, Deduct	-6.77	
05 05 19 00-0189	EA		1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	47.18	
			For >10 To 50, Deduct	-1.96	
			For >50 To 100, Deduct	-4.12	
			For >100, Deduct	-8.24	
05 05 19 00-0190	EA		1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	52.30	
			For >10 To 50, Deduct	-2.12	
			For >50 To 100, Deduct	-4.49	
			For >100, Deduct	-8.99	
05 05 19 00-0191	EA		1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	60.84	
			For >10 To 50, Deduct	-2.40	
			For >50 To 100, Deduct	-5.13	
			For >100, Deduct	-10.26	
05 05 19 00-0192	EA		1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	68.40	
			For >10 To 50, Deduct	-2.62	
			For >50 To 100, Deduct	-5.64	
			For >100, Deduct	-11.29	
05 05 19 00-0193	EA		1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	78.35	
			For >10 To 50, Deduct	-2.86	
			For >50 To 100, Deduct	-6.24	
			For >100, Deduct	-12.48	
05 05 19 00-0194	EA		1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	98.95	
			For >10 To 50, Deduct	-3.35	
			For >50 To 100, Deduct	-7.50	
			For >100, Deduct	-15.01	

05 Metals**05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	144.75
		For >10 To 50, Deduct	-4.05
		For >50 To 100, Deduct	-9.69
		For >100, Deduct	-19.39

05 05 19 00-0196 Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)

05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod	5.23
		For >10 To 50, Deduct	-0.25
		For >50 To 100, Deduct	-0.51
		For >100, Deduct	-1.02

05 05 19 00-0198 Other Concrete And Masonry Anchors (05 05 19 00-0001)**05 05 19 00-0199 Tapcon Masonry Screws (05 05 19 00-0198)**

Note: Includes drilling. Countersunk or hex head.

05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw.....	13.98
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.37
		For >100, Deduct	-2.75
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw.....	14.06
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.38
		For >100, Deduct	-2.75
05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw.....	14.25
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.38
		For >100, Deduct	-2.76
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw.....	14.08
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.38
		For >100, Deduct	-2.75
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw.....	14.18
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.38
		For >100, Deduct	-2.76
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw.....	14.40
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.38
		For >100, Deduct	-2.77

05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0198)

Note: Includes drilling. Zinc plated.

05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	15.56
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.41
		For >100, Deduct	-2.83
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	16.25
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.43
		For >100, Deduct	-2.86
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	16.43
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.44
		For >100, Deduct	-2.87
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	16.76
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.44
		For >100, Deduct	-2.89
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	17.05
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.45
		For >100, Deduct	-2.90
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	17.64
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.47
		For >100, Deduct	-2.93
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	18.37
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.48
		For >100, Deduct	-2.97
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	19.05
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.50
		For >100, Deduct	-3.00
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	20.94
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.55
		For >100, Deduct	-3.10
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	21.17
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.55
		For >100, Deduct	-3.11
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	22.32
		For >10 To 50, Deduct	-0.68
		For >50 To 100, Deduct	-1.58
		For >100, Deduct	-3.17

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0218 EA 5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	23.51	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.61	
For >100, Deduct	-3.22	
05 05 19 00-0219 EA 5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	24.27	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.63	
For >100, Deduct	-3.26	
05 05 19 00-0220 EA 3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	23.93	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.62	
For >100, Deduct	-3.25	
05 05 19 00-0221 EA 3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	25.03	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.65	
For >100, Deduct	-3.30	
05 05 19 00-0222 EA 3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	27.60	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.71	
For >100, Deduct	-3.43	
05 05 19 00-0223 Pin Bolt Drives (05 05 19 00-0198)		
Note: Includes drilling. Zinc plated.		
05 05 19 00-0224 EA 1/4" x 1" Pin Bolt Drive.....	8.68	
For >10 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.66	
05 05 19 00-0225 EA 1/4" x 1-1/4" Pin Bolt Drive.....	8.68	
For >10 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.66	
05 05 19 00-0226 EA 1/4" x 1-1/2" Pin Bolt Drive.....	8.74	
For >10 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.67	
05 05 19 00-0227 EA 1/4" x 2" Pin Bolt Drive.....	8.76	
For >10 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.67	
05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors (05 05 19 00-0198)		
05 05 19 00-0229 EA 0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	2.14	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.19	
For >100, Deduct	-0.38	
05 05 19 00-0230 EA 0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	2.26	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.20	
For >100, Deduct	-0.40	
05 05 19 00-0231 EA 0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	2.45	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.22	
For >100, Deduct	-0.43	
05 05 19 00-0232 EA 0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor.....	2.71	
For >10 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.23	
For >100, Deduct	-0.46	
05 05 19 00-0233 EA 0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor.....	2.84	
For >10 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.24	
For >100, Deduct	-0.47	
05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread (05 05 19 00-0198)		
05 05 19 00-0235 EA 0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor.....	2.51	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.21	
For >100, Deduct	-0.41	
05 05 19 00-0236 EA 0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor.....	3.38	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.26	
For >100, Deduct	-0.52	
05 05 21 Fastening Methods for Metal (05 05)		
05 05 21 00-0001 Welding (05 05 21)		
05 05 21 00-0002 Minimum Charge For Welding (05 05 21 00-0001)		
05 05 21 00-0003 EA Welding Minimum Charge	517.05	
Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
05 05 21 00-0004 Spot Welding (05 05 21 00-0001)		
See CSI section 05 05 21 00-0007 for a series of welds.		

05 Metals**05 05 Common Work Results for Metals****05 05 21 Fastening Methods for Metal**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
05 05 21 00-0005	EA Up To 15 Spot Weldings, Welds Up To 1" Length Each		12.89	
	For Aluminum Welding, Add		2.04	
	For Stainless Steel Welding, Add		3.36	
05 05 21 00-0006	EA >15 Spot Weldings, Welds Up To 1" Length Each		10.07	
	For Aluminum Welding, Add		1.62	
	For Stainless Steel Welding, Add		2.65	
05 05 21 00-0007	Field Welding (Seam And Stitch Welding) (05 05 21 00-0001)			
05 05 21 00-0008	Vertical Fillet Welds (05 05 21 00-0007)			
	Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.			
05 05 21 00-0009	LF 1/8" Vertical Fillet Weld		8.42	
	For Aluminum Welding, Add		1.81	
	For Stainless Steel Welding, Add		2.79	
	For Up To 25, Add		2.72	
	For >25 To 50, Add		1.92	
05 05 21 00-0010	LF 3/16" Vertical Fillet Weld		16.15	
	For Aluminum Welding, Add		3.10	
	For Stainless Steel Welding, Add		4.89	
	For Up To 25, Add		5.37	
	For >25 To 50, Add		3.81	
05 05 21 00-0011	LF 1/4" Vertical Fillet Weld		24.25	
	For Aluminum Welding, Add		4.67	
	For Stainless Steel Welding, Add		7.35	
	For Up To 25, Add		8.06	
	For >25 To 50, Add		5.72	
05 05 21 00-0012	LF 5/16" Vertical Fillet Weld		32.00	
	For Aluminum Welding, Add		6.19	
	For Stainless Steel Welding, Add		9.74	
	For Up To 25, Add		10.62	
	For >25 To 50, Add		7.54	
05 05 21 00-0013	LF 3/8" Vertical Fillet Weld		40.39	
	For Aluminum Welding, Add		7.77	
	For Stainless Steel Welding, Add		12.24	
	For Up To 25, Add		13.42	
	For >25 To 50, Add		9.53	
05 05 21 00-0014	LF 7/16" Vertical Fillet Weld		46.72	
	For Aluminum Welding, Add		8.36	
	For Stainless Steel Welding, Add		13.38	
	For Up To 25, Add		15.79	
	For >25 To 50, Add		11.23	
05 05 21 00-0015	LF 1/2" Vertical Fillet Weld		55.24	
	For Aluminum Welding, Add		10.67	
	For Stainless Steel Welding, Add		16.80	
	For Up To 25, Add		18.34	
	For >25 To 50, Add		13.01	
05 05 21 00-0016	LF 9/16" Vertical Fillet Weld		64.33	
	For Aluminum Welding, Add		11.79	
	For Stainless Steel Welding, Add		18.76	
	For Up To 25, Add		21.62	
	For >25 To 50, Add		15.37	
05 05 21 00-0017	LF 5/8" Vertical Fillet Weld		74.61	
	For Aluminum Welding, Add		13.72	
	For Stainless Steel Welding, Add		21.82	
	For Up To 25, Add		25.06	
	For >25 To 50, Add		17.81	
05 05 21 00-0018	LF 3/4" Vertical Fillet Weld		101.10	
	For Aluminum Welding, Add		19.52	
	For Stainless Steel Welding, Add		30.71	
	For Up To 25, Add		33.57	
	For >25 To 50, Add		23.83	
05 05 21 00-0019	LF 7/8" Vertical Fillet Weld		148.86	
	For Aluminum Welding, Add		27.18	
	For Stainless Steel Welding, Add		43.28	
	For Up To 25, Add		50.08	
	For >25 To 50, Add		35.60	
05 05 21 00-0020	LF 1" Vertical Fillet Weld		201.25	
	For Aluminum Welding, Add		38.32	
	For Stainless Steel Welding, Add		60.48	
	For Up To 25, Add		67.05	
	For >25 To 50, Add		47.60	
05 05 21 00-0021	Horizontal Or Flat Fillet Welds (05 05 21 00-0007)			
	Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.			
05 05 21 00-0022	LF 1/8" Horizontal Or Flat Fillet Weld		7.13	
	For Aluminum Welding, Add		1.62	
	For Stainless Steel Welding, Add		2.47	
	For Up To 25, Add		2.27	
	For >25 To 50, Add		1.60	
05 05 21 00-0023	LF 3/16" Horizontal Or Flat Fillet Weld		13.74	
	For Aluminum Welding, Add		2.78	
	For Stainless Steel Welding, Add		4.33	
	For Up To 25, Add		4.51	
	For >25 To 50, Add		3.20	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld.....	20.55	
		For Aluminum Welding, Add	4.15	
		For Stainless Steel Welding, Add	6.47	
		For Up To 25, Add	6.75	
		For >25 To 50, Add	4.78	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld.....	27.20	
		For Aluminum Welding, Add	5.54	
		For Stainless Steel Welding, Add	8.63	
		For Up To 25, Add	8.91	
		For >25 To 50, Add	6.31	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld.....	34.30	
		For Aluminum Welding, Add	6.93	
		For Stainless Steel Welding, Add	10.80	
		For Up To 25, Add	11.26	
		For >25 To 50, Add	7.98	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld.....	39.45	
		For Aluminum Welding, Add	7.35	
		For Stainless Steel Welding, Add	11.65	
		For Up To 25, Add	13.21	
		For >25 To 50, Add	9.39	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld.....	46.86	
		For Aluminum Welding, Add	9.53	
		For Stainless Steel Welding, Add	14.84	
		For Up To 25, Add	15.36	
		For >25 To 50, Add	10.88	
05 05 21 00-0029	LF	9/16" Horizontal Or Flat Fillet Weld.....	54.48	
		For Aluminum Welding, Add	10.45	
		For Stainless Steel Welding, Add	16.47	
		For Up To 25, Add	18.12	
		For >25 To 50, Add	12.86	
05 05 21 00-0030	LF	5/8" Horizontal Or Flat Fillet Weld.....	63.59	
		For Aluminum Welding, Add	12.50	
		For Stainless Steel Welding, Add	19.60	
		For Up To 25, Add	21.02	
		For >25 To 50, Add	14.91	
05 05 21 00-0031	LF	3/4" Horizontal Or Flat Fillet Weld.....	85.86	
		For Aluminum Welding, Add	17.45	
		For Stainless Steel Welding, Add	27.17	
		For Up To 25, Add	28.15	
		For >25 To 50, Add	19.94	
05 05 21 00-0032	LF	7/8" Horizontal Or Flat Fillet Weld.....	124.86	
		For Aluminum Welding, Add	23.26	
		For Stainless Steel Welding, Add	36.88	
		For Up To 25, Add	41.81	
		For >25 To 50, Add	29.71	
05 05 21 00-0033	LF	1" Horizontal Or Flat Fillet Weld.....	170.23	
		For Aluminum Welding, Add	34.06	
		For Stainless Steel Welding, Add	53.22	
		For Up To 25, Add	56.03	
		For >25 To 50, Add	39.72	

05 05 23 Metal Fastenings (05 05)

05 05 23 00-0001	Hex Bolts (05 05 23)			
Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0236 for drilling into brick or block, 02 41 19 13-0251 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.				
05 05 23 00-0002	A307B Heavy Hex Bolts (05 05 23 00-0001)			
Note: Includes A307B heavy hex nut and two structural washers.				
05 05 23 00-0003	Plain Finish A307B Heavy Hex Bolts (05 05 23 00-0002)			
05 05 23 00-0004	EA 1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt.....	14.44	1.44	
	For >10 To 50, Deduct	-0.60		
	For >50 To 100, Deduct	-1.26		
	For >100, Deduct	-2.52		
05 05 23 00-0005	EA 1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt.....	15.85	1.44	
	For >10 To 50, Deduct	-0.60		
	For >50 To 100, Deduct	-1.30		
	For >100, Deduct	-2.59		
05 05 23 00-0006	EA 5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	15.89	1.44	
	For >10 To 50, Deduct	-0.60		
	For >50 To 100, Deduct	-1.30		
	For >100, Deduct	-2.59		
05 05 23 00-0007	EA 5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	18.88	1.64	
	For >10 To 50, Deduct	-0.69		
	For >50 To 100, Deduct	-1.50		
	For >100, Deduct	-3.00		
05 05 23 00-0008	EA 3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	18.25	1.44	
	For >10 To 50, Deduct	-0.60		
	For >50 To 100, Deduct	-1.36		
	For >100, Deduct	-2.71		
05 05 23 00-0009	EA 3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	21.82	1.64	
	For >10 To 50, Deduct	-0.68		
	For >50 To 100, Deduct	-1.57		
	For >100, Deduct	-3.14		
05 05 23 00-0010	EA 3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt.....	27.40	1.72	
	For >10 To 50, Deduct	-0.72		
	For >50 To 100, Deduct	-1.76		
	For >100, Deduct	-3.52		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 05 23 00-0011	EA 3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	29.41 -0.75 -1.86 -3.73		1.80
05 05 23 00-0012	EA 7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	21.77 -0.65 -1.52 -3.04		1.56
05 05 23 00-0013	EA 7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	26.16 -0.71 -1.73 -3.45		1.72
05 05 23 00-0014	EA 1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	30.67 -0.75 -1.90 -3.79		1.80
05 05 23 00-0015	EA 1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	43.42 -0.79 -2.27 -4.54		1.89
05 05 23 00-0016	EA 1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	50.79 -0.89 -2.61 -5.22		2.15
05 05 23 00-0017	EA 1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	57.10 -0.96 -2.86 -5.73		2.30
05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts (05 05 23 00-0002)				
05 05 23 00-0019	EA 1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	15.13 -0.60 -1.28 -2.56		1.44
05 05 23 00-0020	EA 1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	16.31 -0.60 -1.31 -2.62		1.44
05 05 23 00-0021	EA 5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	17.59 -0.60 -1.34 -2.68		1.44
05 05 23 00-0022	EA 5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	20.58 -0.69 -1.54 -3.08		1.64
05 05 23 00-0023	EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	20.19 -0.60 -1.40 -2.81		1.44
05 05 23 00-0024	EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	25.40 -0.68 -1.66 -3.32		1.64
05 05 23 00-0025	EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	33.57 -0.72 -1.91 -3.83		1.72
05 05 23 00-0026	EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	39.40 -0.75 -2.11 -4.23		1.80
05 05 23 00-0027	EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	26.84 -0.65 -1.65 -3.29		1.56
05 05 23 00-0028	EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	31.87 -0.71 -1.87 -3.74		1.72
05 05 23 00-0029	EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	38.05 -0.75 -2.08 -4.16		1.80
05 05 23 00-0030	EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	56.78 -0.79 -2.61 -5.21		1.89
05 05 23 00-0031	EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	56.77 -0.89 -2.76 -5.52		2.15
05 05 23 00-0032	EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt For >10 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	70.95 -0.96 -3.21 -6.42		2.30

05 05 23 00-0033 A325 High Strength Structural Bolts (05 05 23 00-0001)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0034 Plain Finish A325 High Strength Structural Bolts (05 05 23 00-0033)

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0035	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	14.11	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.25	
		For >100, Deduct	-2.51	
05 05 23 00-0036	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	14.42	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.26	
		For >100, Deduct	-2.52	
05 05 23 00-0037	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	15.42	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.29	
		For >100, Deduct	-2.57	
05 05 23 00-0038	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	18.91	1.64
		For >10 To 50, Deduct	-0.69	
		For >50 To 100, Deduct	-1.50	
		For >100, Deduct	-3.00	
05 05 23 00-0039	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	21.89	1.72
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.62	
		For >100, Deduct	-3.24	
05 05 23 00-0040	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	16.80	1.44
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.32	
		For >100, Deduct	-2.64	
05 05 23 00-0041	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	20.38	1.64
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.54	
		For >100, Deduct	-3.07	
05 05 23 00-0042	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	23.20	1.72
		For >10 To 50, Deduct	-0.72	
		For >50 To 100, Deduct	-1.65	
		For >100, Deduct	-3.31	
05 05 23 00-0043	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	28.53	1.80
		For >10 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-1.84	
		For >100, Deduct	-3.69	
05 05 23 00-0044	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	19.49	1.56
		For >10 To 50, Deduct	-0.65	
		For >50 To 100, Deduct	-1.46	
		For >100, Deduct	-2.93	
05 05 23 00-0045	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	23.74	1.72
		For >10 To 50, Deduct	-0.71	
		For >50 To 100, Deduct	-1.67	
		For >100, Deduct	-3.33	
05 05 23 00-0046	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	27.10	1.80
		For >10 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-1.81	
		For >100, Deduct	-3.61	
05 05 23 00-0047	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	29.36	1.89
		For >10 To 50, Deduct	-0.79	
		For >50 To 100, Deduct	-1.92	
		For >100, Deduct	-3.84	
05 05 23 00-0048	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	21.55	1.62
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.55	
		For >100, Deduct	-3.11	
05 05 23 00-0049	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	25.92	1.80
		For >10 To 50, Deduct	-0.75	
		For >50 To 100, Deduct	-1.78	
		For >100, Deduct	-3.56	
05 05 23 00-0050	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	30.02	1.89
		For >10 To 50, Deduct	-0.79	
		For >50 To 100, Deduct	-1.94	
		For >100, Deduct	-3.87	
05 05 23 00-0051	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	38.45	2.02
		For >10 To 50, Deduct	-0.84	
		For >50 To 100, Deduct	-2.23	
		For >100, Deduct	-4.45	
05 05 23 00-0052	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	36.71	2.02
		For >10 To 50, Deduct	-0.84	
		For >50 To 100, Deduct	-2.18	
		For >100, Deduct	-4.36	
05 05 23 00-0053	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	41.60	2.15
		For >10 To 50, Deduct	-0.89	
		For >50 To 100, Deduct	-2.38	
		For >100, Deduct	-4.76	
05 05 23 00-0054	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	48.84	2.30
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.66	
		For >100, Deduct	-5.31	
05 05 23 00-0055	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	57.33	2.46
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.96	
		For >100, Deduct	-5.93	

05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts (05 05 23 00-0033)

Note: Includes A325 heavy hex nut and structural washer.

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 05 23 00-0057	EA 1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	14.74		1.44
	For >10 To 50, Deduct	-0.60		
	For >50 To 100, Deduct	-1.27		
	For >100, Deduct	-2.54		
05 05 23 00-0058	EA 1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	14.96		1.44
	For >10 To 50, Deduct	-0.60		
	For >50 To 100, Deduct	-1.27		
	For >100, Deduct	-2.55		
05 05 23 00-0059	EA 5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	16.73		1.44
	For >10 To 50, Deduct	-0.60		
	For >50 To 100, Deduct	-1.32		
	For >100, Deduct	-2.64		
05 05 23 00-0060	EA 5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	19.84		1.64
	For >10 To 50, Deduct	-0.69		
	For >50 To 100, Deduct	-1.52		
	For >100, Deduct	-3.05		
05 05 23 00-0061	EA 5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	21.00		1.72
	For >10 To 50, Deduct	-0.72		
	For >50 To 100, Deduct	-1.60		
	For >100, Deduct	-3.20		
05 05 23 00-0062	EA 3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	17.40		1.44
	For >10 To 50, Deduct	-0.60		
	For >50 To 100, Deduct	-1.34		
	For >100, Deduct	-2.67		
05 05 23 00-0063	EA 3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	21.14		1.64
	For >10 To 50, Deduct	-0.68		
	For >50 To 100, Deduct	-1.56		
	For >100, Deduct	-3.11		
05 05 23 00-0064	EA 3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	24.38		1.72
	For >10 To 50, Deduct	-0.72		
	For >50 To 100, Deduct	-1.68		
	For >100, Deduct	-3.37		
05 05 23 00-0065	EA 3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	31.33		1.80
	For >10 To 50, Deduct	-0.75		
	For >50 To 100, Deduct	-1.91		
	For >100, Deduct	-3.83		
05 05 23 00-0066	EA 7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	23.11		1.56
	For >10 To 50, Deduct	-0.65		
	For >50 To 100, Deduct	-1.55		
	For >100, Deduct	-3.11		
05 05 23 00-0067	EA 7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	25.88		1.72
	For >10 To 50, Deduct	-0.71		
	For >50 To 100, Deduct	-1.72		
	For >100, Deduct	-3.44		
05 05 23 00-0068	EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	29.69		1.80
	For >10 To 50, Deduct	-0.75		
	For >50 To 100, Deduct	-1.87		
	For >100, Deduct	-3.74		
05 05 23 00-0069	EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	37.14		1.89
	For >10 To 50, Deduct	-0.79		
	For >50 To 100, Deduct	-2.12		
	For >100, Deduct	-4.23		
05 05 23 00-0070	EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	24.36		1.62
	For >10 To 50, Deduct	-0.68		
	For >50 To 100, Deduct	-1.62		
	For >100, Deduct	-3.25		
05 05 23 00-0071	EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	32.37		1.80
	For >10 To 50, Deduct	-0.75		
	For >50 To 100, Deduct	-1.94		
	For >100, Deduct	-3.88		
05 05 23 00-0072	EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	35.42		1.89
	For >10 To 50, Deduct	-0.79		
	For >50 To 100, Deduct	-2.07		
	For >100, Deduct	-4.14		
05 05 23 00-0073	EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	45.11		2.02
	For >10 To 50, Deduct	-0.84		
	For >50 To 100, Deduct	-2.39		
	For >100, Deduct	-4.78		
05 05 23 00-0074	EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	44.84		2.02
	For >10 To 50, Deduct	-0.84		
	For >50 To 100, Deduct	-2.38		
	For >100, Deduct	-4.77		
05 05 23 00-0075	EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	47.81		2.15
	For >10 To 50, Deduct	-0.89		
	For >50 To 100, Deduct	-2.54		
	For >100, Deduct	-5.07		
05 05 23 00-0076	EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	55.95		2.30
	For >10 To 50, Deduct	-0.96		
	For >50 To 100, Deduct	-2.84		
	For >100, Deduct	-5.67		
05 05 23 00-0077	EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	64.75		2.46
	For >10 To 50, Deduct	-1.02		
	For >50 To 100, Deduct	-3.15		
	For >100, Deduct	-6.30		

05 05 23 00-0078 A490 High Strength Structural Bolts (05 05 23 00-0001)

Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0078)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	15.91	1.44	
		For >10 To 50, Deduct	-0.60		
		For >50 To 100, Deduct	-1.30		
		For >100, Deduct	-2.60		
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	22.28	1.64	
		For >10 To 50, Deduct	-0.69		
		For >50 To 100, Deduct	-1.58		
		For >100, Deduct	-3.17		
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	23.84	1.72	
		For >10 To 50, Deduct	-0.72		
		For >50 To 100, Deduct	-1.67		
		For >100, Deduct	-3.34		
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	17.82	1.44	
		For >10 To 50, Deduct	-0.60		
		For >50 To 100, Deduct	-1.35		
		For >100, Deduct	-2.69		
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	21.55	1.64	
		For >10 To 50, Deduct	-0.68		
		For >50 To 100, Deduct	-1.57		
		For >100, Deduct	-3.13		
05 05 23 00-0085	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	25.07	1.72	
		For >10 To 50, Deduct	-0.72		
		For >50 To 100, Deduct	-1.70		
		For >100, Deduct	-3.40		
05 05 23 00-0086	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	32.18	1.80	
		For >10 To 50, Deduct	-0.75		
		For >50 To 100, Deduct	-1.93		
		For >100, Deduct	-3.87		
05 05 23 00-0087	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	20.67	1.56	
		For >10 To 50, Deduct	-0.65		
		For >50 To 100, Deduct	-1.49		
		For >100, Deduct	-2.99		
05 05 23 00-0088	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	24.11	1.72	
		For >10 To 50, Deduct	-0.71		
		For >50 To 100, Deduct	-1.67		
		For >100, Deduct	-3.35		
05 05 23 00-0089	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	34.72	1.80	
		For >10 To 50, Deduct	-0.75		
		For >50 To 100, Deduct	-2.00		
		For >100, Deduct	-4.00		
05 05 23 00-0090	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	24.30	1.62	
		For >10 To 50, Deduct	-0.68		
		For >50 To 100, Deduct	-1.62		
		For >100, Deduct	-3.24		
05 05 23 00-0091	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	29.02	1.80	
		For >10 To 50, Deduct	-0.75		
		For >50 To 100, Deduct	-1.86		
		For >100, Deduct	-3.71		
05 05 23 00-0092	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	33.35	1.89	
		For >10 To 50, Deduct	-0.79		
		For >50 To 100, Deduct	-2.02		
		For >100, Deduct	-4.04		
05 05 23 00-0093	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	41.63	2.02	
		For >10 To 50, Deduct	-0.84		
		For >50 To 100, Deduct	-2.30		
		For >100, Deduct	-4.61		
05 05 23 00-0094	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	53.34	2.15	
		For >10 To 50, Deduct	-0.89		
		For >50 To 100, Deduct	-2.67		
		For >100, Deduct	-5.35		
05 05 23 00-0095	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	56.15	2.30	
		For >10 To 50, Deduct	-0.96		
		For >50 To 100, Deduct	-2.84		
		For >100, Deduct	-5.68		
05 05 23 00-0096	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	58.58	2.46	
		For >10 To 50, Deduct	-1.02		
		For >50 To 100, Deduct	-3.00		
		For >100, Deduct	-5.99		
05 05 23 00-0097		Hex Head Bolts (05 05 23 00-0001)			
05 05 23 00-0098		Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)			
05 05 23 00-0099		1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)			
05 05 23 00-0100	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.66		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0101	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.68		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0102	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.77		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-0103	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.80		
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	
05 05 23 00-0104	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.10		
		For >100 To 250, Deduct		-1.76	
		For >250 To 500, Deduct		-2.20	
		For >500, Deduct		-2.64	
05 05 23 00-0105	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.13		
		For >100 To 250, Deduct		-1.76	
		For >250 To 500, Deduct		-2.20	
		For >500, Deduct		-2.64	
05 05 23 00-0106	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.25		
		For >100 To 250, Deduct		-1.76	
		For >250 To 500, Deduct		-2.20	
		For >500, Deduct		-2.64	
05 05 23 00-0107	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.50		
		For >100 To 250, Deduct		-1.81	
		For >250 To 500, Deduct		-2.26	
		For >500, Deduct		-2.71	
05 05 23 00-0108	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.54		
		For >100 To 250, Deduct		-1.81	
		For >250 To 500, Deduct		-2.26	
		For >500, Deduct		-2.71	
05 05 23 00-0109	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.73		
		For >100 To 250, Deduct		-1.81	
		For >250 To 500, Deduct		-2.26	
		For >500, Deduct		-2.71	
05 05 23 00-0110	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.11		
		For >100 To 250, Deduct		-1.86	
		For >250 To 500, Deduct		-2.32	
		For >500, Deduct		-2.78	
05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.25		
		For >100 To 250, Deduct		-1.86	
		For >250 To 500, Deduct		-2.32	
		For >500, Deduct		-2.78	
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.44		
		For >100 To 250, Deduct		-1.86	
		For >250 To 500, Deduct		-2.32	
		For >500, Deduct		-2.78	
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.10		
		For >100 To 250, Deduct		-1.90	
		For >250 To 500, Deduct		-2.38	
		For >500, Deduct		-2.86	
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.40		
		For >100 To 250, Deduct		-1.90	
		For >250 To 500, Deduct		-2.38	
		For >500, Deduct		-2.86	
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.47		
		For >100 To 250, Deduct		-1.90	
		For >250 To 500, Deduct		-2.38	
		For >500, Deduct		-2.86	
05 05 23 00-0116		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)			
05 05 23 00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.73		
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.76		
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.82		
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.88		
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.18		
		For >100 To 250, Deduct		-1.76	
		For >250 To 500, Deduct		-2.20	
		For >500, Deduct		-2.64	
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.30		
		For >100 To 250, Deduct		-1.76	
		For >250 To 500, Deduct		-2.20	
		For >500, Deduct		-2.64	
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.35		
		For >100 To 250, Deduct		-1.76	
		For >250 To 500, Deduct		-2.20	
		For >500, Deduct		-2.64	
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.71		
		For >100 To 250, Deduct		-1.81	
		For >250 To 500, Deduct		-2.26	
		For >500, Deduct		-2.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0125	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.89	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0126	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.96	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0127	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.27	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-0128	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.34	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-0129	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.01	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-0130	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.59	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0131	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.89	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0132	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.16	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0133			3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0134	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.81	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0135	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.84	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0136	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.93	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0137	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.02	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0138	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.34	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0139	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.49	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0140	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.65	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0141	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.04	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0142	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.25	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0143	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.36	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0144	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.82	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-0145	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.94	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-0146	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.01	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.31		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.44		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.62		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0150 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05					
		23 00-0098)			
05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.40		
		For >100 To 250, Deduct	-1.95		
		For >250 To 500, Deduct	-2.44		
		For >500, Deduct	-2.93		
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.53		
		For >100 To 250, Deduct	-1.95		
		For >250 To 500, Deduct	-2.44		
		For >500, Deduct	-2.93		
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.55		
		For >100 To 250, Deduct	-1.95		
		For >250 To 500, Deduct	-2.44		
		For >500, Deduct	-2.93		
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.96		
		For >100 To 250, Deduct	-2.00		
		For >250 To 500, Deduct	-2.50		
		For >500, Deduct	-3.00		
05 05 23 00-0155	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.15		
		For >100 To 250, Deduct	-2.00		
		For >250 To 500, Deduct	-2.50		
		For >500, Deduct	-3.00		
05 05 23 00-0156	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.31		
		For >100 To 250, Deduct	-2.00		
		For >250 To 500, Deduct	-2.50		
		For >500, Deduct	-3.00		
05 05 23 00-0157	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.97		
		For >100 To 250, Deduct	-2.05		
		For >250 To 500, Deduct	-2.56		
		For >500, Deduct	-3.08		
05 05 23 00-0158	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.09		
		For >100 To 250, Deduct	-2.05		
		For >250 To 500, Deduct	-2.56		
		For >500, Deduct	-3.08		
05 05 23 00-0159	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.32		
		For >100 To 250, Deduct	-2.05		
		For >250 To 500, Deduct	-2.56		
		For >500, Deduct	-3.08		
05 05 23 00-0160	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.95		
		For >100 To 250, Deduct	-2.10		
		For >250 To 500, Deduct	-2.63		
		For >500, Deduct	-3.15		
05 05 23 00-0161	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.06		
		For >100 To 250, Deduct	-2.10		
		For >250 To 500, Deduct	-2.63		
		For >500, Deduct	-3.15		
05 05 23 00-0162	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.35		
		For >100 To 250, Deduct	-2.10		
		For >250 To 500, Deduct	-2.63		
		For >500, Deduct	-3.15		
05 05 23 00-0163	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.72		
		For >100 To 250, Deduct	-2.15		
		For >250 To 500, Deduct	-2.69		
		For >500, Deduct	-3.22		
05 05 23 00-0164	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.98		
		For >100 To 250, Deduct	-2.15		
		For >250 To 500, Deduct	-2.69		
		For >500, Deduct	-3.22		
05 05 23 00-0165	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.49		
		For >100 To 250, Deduct	-2.15		
		For >250 To 500, Deduct	-2.69		
		For >500, Deduct	-3.22		
05 05 23 00-0166 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05					
		23 00-0098)			
05 05 23 00-0167	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.30		
		For >100 To 250, Deduct	-1.95		
		For >250 To 500, Deduct	-2.44		
		For >500, Deduct	-2.93		
05 05 23 00-0168	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.45		
		For >100 To 250, Deduct	-1.95		
		For >250 To 500, Deduct	-2.44		
		For >500, Deduct	-2.93		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0169 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.60	
For >100 To 250, Deduct	-1.95	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-2.93	
05 05 23 00-0170 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.01	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-0171 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.17	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-0172 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.33	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-0173 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.79	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.08	
05 05 23 00-0174 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.97	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.08	
05 05 23 00-0175 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.29	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.08	
05 05 23 00-0176 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.58	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-0177 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.62	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-0178 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.89	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-0179 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.38	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-0180 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.55	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-0181 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.01	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-0182 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.50	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0183 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.67	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0184 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.33	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0185 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.51	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0186 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0187 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.46	
For >100 To 250, Deduct	-1.95	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-2.93	
05 05 23 00-0188 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.66	
For >100 To 250, Deduct	-1.95	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-2.93	
05 05 23 00-0189 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.72	
For >100 To 250, Deduct	-1.95	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-2.93	
05 05 23 00-0190 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.64	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0191	EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.92	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-2.50	
	For >500, Deduct	-3.00	
05 05 23 00-0192	EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.01	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-2.50	
	For >500, Deduct	-3.00	
05 05 23 00-0193	EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.29	
	For >100 To 250, Deduct	-2.05	
	For >250 To 500, Deduct	-2.56	
	For >500, Deduct	-3.08	
05 05 23 00-0194	EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.36	
	For >100 To 250, Deduct	-2.05	
	For >250 To 500, Deduct	-2.56	
	For >500, Deduct	-3.08	
05 05 23 00-0195	EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.59	
	For >100 To 250, Deduct	-2.05	
	For >250 To 500, Deduct	-2.56	
	For >500, Deduct	-3.08	
05 05 23 00-0196	EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.89	
	For >100 To 250, Deduct	-2.10	
	For >250 To 500, Deduct	-2.63	
	For >500, Deduct	-3.15	
05 05 23 00-0197	EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.96	
	For >100 To 250, Deduct	-2.10	
	For >250 To 500, Deduct	-2.63	
	For >500, Deduct	-3.15	
05 05 23 00-0198	EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.17	
	For >100 To 250, Deduct	-2.10	
	For >250 To 500, Deduct	-2.63	
	For >500, Deduct	-3.15	
05 05 23 00-0199	EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.63	
	For >100 To 250, Deduct	-2.15	
	For >250 To 500, Deduct	-2.69	
	For >500, Deduct	-3.22	
05 05 23 00-0200	EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.87	
	For >100 To 250, Deduct	-2.15	
	For >250 To 500, Deduct	-2.69	
	For >500, Deduct	-3.22	
05 05 23 00-0201	EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.12	
	For >100 To 250, Deduct	-2.15	
	For >250 To 500, Deduct	-2.69	
	For >500, Deduct	-3.22	
05 05 23 00-0202	EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.59	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0203	EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.87	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0204	EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.07	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0205	EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.36	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	

05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts

23 00-0098

05 05 23 00-0207	EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.15	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0208	EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.28	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0209	EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.47	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0210	EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.95	
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-2.81	
	For >500, Deduct	-3.37	
05 05 23 00-0211	EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.22	
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-2.81	
	For >500, Deduct	-3.37	
05 05 23 00-0212	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.56	
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-2.81	
	For >500, Deduct	-3.37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0213 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.23	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0214 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.74	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0215 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.15	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0216 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.55	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	
05 05 23 00-0217 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.61	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	
05 05 23 00-0218 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.29	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	
05 05 23 00-0219 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.93	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0220 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.47	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0221 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.11	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0222 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.03	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0223 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.65	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0224 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.29	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0225 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.78	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
 05 05 23 00-0226 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0227 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.61	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0228 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.89	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0229 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.15	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0230 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.71	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-3.37	
05 05 23 00-0231 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.12	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-3.37	
05 05 23 00-0232 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.47	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-3.37	
05 05 23 00-0233 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.09	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0234 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.59	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
05 05 23 00-0235	EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.97		
	For >100 To 250, Deduct	-2.29		
	For >250 To 500, Deduct	-2.87		
	For >500, Deduct	-3.44		
05 05 23 00-0236	EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.02		
	For >100 To 250, Deduct	-2.34		
	For >250 To 500, Deduct	-2.93		
	For >500, Deduct	-3.51		
05 05 23 00-0237	EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.34		
	For >100 To 250, Deduct	-2.34		
	For >250 To 500, Deduct	-2.93		
	For >500, Deduct	-3.51		
05 05 23 00-0238	EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.95		
	For >100 To 250, Deduct	-2.34		
	For >250 To 500, Deduct	-2.93		
	For >500, Deduct	-3.51		
05 05 23 00-0239	EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.24		
	For >100 To 250, Deduct	-2.39		
	For >250 To 500, Deduct	-2.99		
	For >500, Deduct	-3.59		
05 05 23 00-0240	EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.66		
	For >100 To 250, Deduct	-2.39		
	For >250 To 500, Deduct	-2.99		
	For >500, Deduct	-3.59		
05 05 23 00-0241	EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.32		
	For >100 To 250, Deduct	-2.39		
	For >250 To 500, Deduct	-2.99		
	For >500, Deduct	-3.59		
05 05 23 00-0242	EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.43		
	For >100 To 250, Deduct	-2.44		
	For >250 To 500, Deduct	-3.05		
	For >500, Deduct	-3.66		
05 05 23 00-0243	EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.09		
	For >100 To 250, Deduct	-2.44		
	For >250 To 500, Deduct	-3.05		
	For >500, Deduct	-3.66		
05 05 23 00-0244	EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.97		
	For >100 To 250, Deduct	-2.44		
	For >250 To 500, Deduct	-3.05		
	For >500, Deduct	-3.66		
05 05 23 00-0245	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.82		
	For >100 To 250, Deduct	-2.44		
	For >250 To 500, Deduct	-3.05		
	For >500, Deduct	-3.66		
05 05 23 00-0246	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05			
	23 00-0098)			
05 05 23 00-0247	EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.31		
	For >100 To 250, Deduct	-2.44		
	For >250 To 500, Deduct	-3.05		
	For >500, Deduct	-3.66		
05 05 23 00-0248	EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.54		
	For >100 To 250, Deduct	-2.44		
	For >250 To 500, Deduct	-3.05		
	For >500, Deduct	-3.66		
05 05 23 00-0249	EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.66		
	For >100 To 250, Deduct	-2.44		
	For >250 To 500, Deduct	-3.05		
	For >500, Deduct	-3.66		
05 05 23 00-0250	EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.23		
	For >100 To 250, Deduct	-2.49		
	For >250 To 500, Deduct	-3.11		
	For >500, Deduct	-3.74		
05 05 23 00-0251	EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.88		
	For >100 To 250, Deduct	-2.49		
	For >250 To 500, Deduct	-3.11		
	For >500, Deduct	-3.74		
05 05 23 00-0252	EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.63		
	For >100 To 250, Deduct	-2.49		
	For >250 To 500, Deduct	-3.11		
	For >500, Deduct	-3.74		
05 05 23 00-0253	EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.50		
	For >100 To 250, Deduct	-2.54		
	For >250 To 500, Deduct	-3.17		
	For >500, Deduct	-3.81		
05 05 23 00-0254	EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.60		
	For >100 To 250, Deduct	-2.54		
	For >250 To 500, Deduct	-3.17		
	For >500, Deduct	-3.81		
05 05 23 00-0255	EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.21		
	For >100 To 250, Deduct	-2.54		
	For >250 To 500, Deduct	-3.17		
	For >500, Deduct	-3.81		
05 05 23 00-0256	EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.94		
	For >100 To 250, Deduct	-2.59		
	For >250 To 500, Deduct	-3.24		
	For >500, Deduct	-3.88		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0257 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.30	
For >100 To 250, Deduct	-2.59	
For >250 To 500, Deduct	-3.24	
For >500, Deduct	-3.88	
05 05 23 00-0258 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.17	
For >100 To 250, Deduct	-2.59	
For >250 To 500, Deduct	-3.24	
For >500, Deduct	-3.88	
05 05 23 00-0259 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.27	
For >100 To 250, Deduct	-2.64	
For >250 To 500, Deduct	-3.30	
For >500, Deduct	-3.95	
05 05 23 00-0260 EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.15	
For >100 To 250, Deduct	-2.64	
For >250 To 500, Deduct	-3.30	
For >500, Deduct	-3.95	
05 05 23 00-0261 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.02	
For >100 To 250, Deduct	-2.64	
For >250 To 500, Deduct	-3.30	
For >500, Deduct	-3.95	
05 05 23 00-0262 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.08	
For >100 To 250, Deduct	-2.68	
For >250 To 500, Deduct	-3.36	
For >500, Deduct	-4.03	
05 05 23 00-0263 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.99	
For >100 To 250, Deduct	-2.68	
For >250 To 500, Deduct	-3.36	
For >500, Deduct	-4.03	
05 05 23 00-0264 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.84	
For >100 To 250, Deduct	-2.68	
For >250 To 500, Deduct	-3.36	
For >500, Deduct	-4.03	
05 05 23 00-0265 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.74	
For >100 To 250, Deduct	-2.68	
For >250 To 500, Deduct	-3.36	
For >500, Deduct	-4.03	
 05 05 23 00-0266 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0267 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.37	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0268 EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.96	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0269 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.20	
For >100 To 250, Deduct	-2.49	
For >250 To 500, Deduct	-3.11	
For >500, Deduct	-3.74	
05 05 23 00-0270 EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.46	
For >100 To 250, Deduct	-2.49	
For >250 To 500, Deduct	-3.11	
For >500, Deduct	-3.74	
05 05 23 00-0271 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.60	
For >100 To 250, Deduct	-2.49	
For >250 To 500, Deduct	-3.11	
For >500, Deduct	-3.74	
05 05 23 00-0272 EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.02	
For >100 To 250, Deduct	-2.54	
For >250 To 500, Deduct	-3.17	
For >500, Deduct	-3.81	
05 05 23 00-0273 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.12	
For >100 To 250, Deduct	-2.54	
For >250 To 500, Deduct	-3.17	
For >500, Deduct	-3.81	
05 05 23 00-0274 EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.26	
For >100 To 250, Deduct	-2.54	
For >250 To 500, Deduct	-3.17	
For >500, Deduct	-3.81	
05 05 23 00-0275 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.07	
For >100 To 250, Deduct	-2.59	
For >250 To 500, Deduct	-3.24	
For >500, Deduct	-3.88	
05 05 23 00-0276 EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.62	
For >100 To 250, Deduct	-2.59	
For >250 To 500, Deduct	-3.24	
For >500, Deduct	-3.88	
05 05 23 00-0277 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.58	
For >100 To 250, Deduct	-2.59	
For >250 To 500, Deduct	-3.24	
For >500, Deduct	-3.88	
05 05 23 00-0278 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.77	
For >100 To 250, Deduct	-2.64	
For >250 To 500, Deduct	-3.30	
For >500, Deduct	-3.95	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0279	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.72	
		For >100 To 250, Deduct	-2.64	
		For >250 To 500, Deduct	-3.30	
		For >500, Deduct	-3.95	
05 05 23 00-0280	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.70	
		For >100 To 250, Deduct	-2.64	
		For >250 To 500, Deduct	-3.30	
		For >500, Deduct	-3.95	
05 05 23 00-0281	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.73	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-3.36	
		For >500, Deduct	-4.03	
05 05 23 00-0282	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.84	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-3.36	
		For >500, Deduct	-4.03	
05 05 23 00-0283	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.83	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-3.36	
		For >500, Deduct	-4.03	
05 05 23 00-0284	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.82	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-3.36	
		For >500, Deduct	-4.03	

05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0097)**05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts** (05 05 23 00-0285)

05 05 23 00-0287	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.71	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0288	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.76	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.81	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.89	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.14	
		For >500, Deduct	-2.57	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.22	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.36	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.53	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.89	
		For >100 To 250, Deduct	-1.81	
		For >250 To 500, Deduct	-2.26	
		For >500, Deduct	-2.71	
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.10	
		For >100 To 250, Deduct	-1.81	
		For >250 To 500, Deduct	-2.26	
		For >500, Deduct	-2.71	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.23	
		For >100 To 250, Deduct	-1.81	
		For >250 To 500, Deduct	-2.26	
		For >500, Deduct	-2.71	
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.63	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.32	
		For >500, Deduct	-2.78	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.76	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.32	
		For >500, Deduct	-2.78	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.88	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.32	
		For >500, Deduct	-2.78	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.29	
		For >100 To 250, Deduct	-1.90	
		For >250 To 500, Deduct	-2.38	
		For >500, Deduct	-2.86	
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.47	
		For >100 To 250, Deduct	-1.90	
		For >250 To 500, Deduct	-2.38	
		For >500, Deduct	-2.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
05 05 23 00-0302	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.66	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0303 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)					
05 05 23 00-0304	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.81	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0305	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.85	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0306	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.91	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0307	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.02	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0308	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.35	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0309	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.49	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0310	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.74	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0311	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.11	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0312	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.31	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0313	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.49	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0314	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.10	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-0315	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.17	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-0316	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.42	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-0317	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.98	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0318	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.32	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0319	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.64	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)					
05 05 23 00-0321	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.87	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0322	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.90	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0323	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.01	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0324	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.13	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0325	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.50	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0326	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.64	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0327	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.86	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.20	
		For >500, Deduct	-2.64	
05 05 23 00-0328	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.34	
		For >100 To 250, Deduct	-1.81	
		For >250 To 500, Deduct	-2.26	
		For >500, Deduct	-2.71	
05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.85	
		For >100 To 250, Deduct	-1.81	
		For >250 To 500, Deduct	-2.26	
		For >500, Deduct	-2.71	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.09	
		For >100 To 250, Deduct	-1.81	
		For >250 To 500, Deduct	-2.26	
		For >500, Deduct	-2.71	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.65	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.32	
		For >500, Deduct	-2.78	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.87	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.32	
		For >500, Deduct	-2.78	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.26	
		For >100 To 250, Deduct	-1.86	
		For >250 To 500, Deduct	-2.32	
		For >500, Deduct	-2.78	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.78	
		For >100 To 250, Deduct	-1.90	
		For >250 To 500, Deduct	-2.38	
		For >500, Deduct	-2.86	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.30	
		For >100 To 250, Deduct	-1.90	
		For >250 To 500, Deduct	-2.38	
		For >500, Deduct	-2.86	
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.71	
		For >100 To 250, Deduct	-1.90	
		For >250 To 500, Deduct	-2.38	
		For >500, Deduct	-2.86	

05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)

05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.31	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.44	
		For >500, Deduct	-2.93	
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.42	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.44	
		For >500, Deduct	-2.93	
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.68	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.44	
		For >500, Deduct	-2.93	
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.13	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.00	
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.32	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.00	
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.50	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.00	
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.98	
		For >100 To 250, Deduct	-2.05	
		For >250 To 500, Deduct	-2.56	
		For >500, Deduct	-3.08	
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.01	
		For >100 To 250, Deduct	-2.05	
		For >250 To 500, Deduct	-2.56	
		For >500, Deduct	-3.08	
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.46	
		For >100 To 250, Deduct	-2.05	
		For >250 To 500, Deduct	-2.56	
		For >500, Deduct	-3.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0347	EA		7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.85	
			For >100 To 250, Deduct	-2.10	
			For >250 To 500, Deduct	-2.63	
			For >500, Deduct	-3.15	
05 05 23 00-0348	EA		7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.06	
			For >100 To 250, Deduct	-2.10	
			For >250 To 500, Deduct	-2.63	
			For >500, Deduct	-3.15	
05 05 23 00-0349	EA		7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.28	
			For >100 To 250, Deduct	-2.10	
			For >250 To 500, Deduct	-2.63	
			For >500, Deduct	-3.15	
05 05 23 00-0350	EA		7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.82	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.22	
05 05 23 00-0351	EA		7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.11	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.22	
05 05 23 00-0352	EA		7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.41	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.22	
05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)					
05 05 23 00-0354	EA		1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.45	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.44	
			For >500, Deduct	-2.93	
05 05 23 00-0355	EA		1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.59	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.44	
			For >500, Deduct	-2.93	
05 05 23 00-0356	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.74	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.44	
			For >500, Deduct	-2.93	
05 05 23 00-0357	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.23	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-3.00	
05 05 23 00-0358	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.46	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-3.00	
05 05 23 00-0359	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.71	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-3.00	
05 05 23 00-0360	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.18	
			For >100 To 250, Deduct	-2.05	
			For >250 To 500, Deduct	-2.56	
			For >500, Deduct	-3.08	
05 05 23 00-0361	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.98	
			For >100 To 250, Deduct	-2.05	
			For >250 To 500, Deduct	-2.56	
			For >500, Deduct	-3.08	
05 05 23 00-0362	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.03	
			For >100 To 250, Deduct	-2.05	
			For >250 To 500, Deduct	-2.56	
			For >500, Deduct	-3.08	
05 05 23 00-0363	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.83	
			For >100 To 250, Deduct	-2.10	
			For >250 To 500, Deduct	-2.63	
			For >500, Deduct	-3.15	
05 05 23 00-0364	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.14	
			For >100 To 250, Deduct	-2.10	
			For >250 To 500, Deduct	-2.63	
			For >500, Deduct	-3.15	
05 05 23 00-0365	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.94	
			For >100 To 250, Deduct	-2.10	
			For >250 To 500, Deduct	-2.63	
			For >500, Deduct	-3.15	
05 05 23 00-0366	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.90	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.22	
05 05 23 00-0367	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.36	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.22	
05 05 23 00-0368	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.52	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.22	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0369	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.60	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0370	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.39	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0371	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.50	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0372	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.93	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)				
05 05 23 00-0374	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.88	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.44	
		For >500, Deduct	-2.93	
05 05 23 00-0375	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.14	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.44	
		For >500, Deduct	-2.93	
05 05 23 00-0376	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.38	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.44	
		For >500, Deduct	-2.93	
05 05 23 00-0377	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.88	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.00	
05 05 23 00-0378	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.20	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.00	
05 05 23 00-0379	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.56	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.00	
05 05 23 00-0380	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.23	
		For >100 To 250, Deduct	-2.05	
		For >250 To 500, Deduct	-2.56	
		For >500, Deduct	-3.08	
05 05 23 00-0381	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.62	
		For >100 To 250, Deduct	-2.05	
		For >250 To 500, Deduct	-2.56	
		For >500, Deduct	-3.08	
05 05 23 00-0382	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.99	
		For >100 To 250, Deduct	-2.05	
		For >250 To 500, Deduct	-2.56	
		For >500, Deduct	-3.08	
05 05 23 00-0383	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.64	
		For >100 To 250, Deduct	-2.10	
		For >250 To 500, Deduct	-2.63	
		For >500, Deduct	-3.15	
05 05 23 00-0384	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.03	
		For >100 To 250, Deduct	-2.10	
		For >250 To 500, Deduct	-2.63	
		For >500, Deduct	-3.15	
05 05 23 00-0385	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.32	
		For >100 To 250, Deduct	-2.10	
		For >250 To 500, Deduct	-2.63	
		For >500, Deduct	-3.15	
05 05 23 00-0386	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.15	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.22	
05 05 23 00-0387	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.68	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.22	
05 05 23 00-0388	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.57	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.22	
05 05 23 00-0389	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.67	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0390	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.99	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0391	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.31	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0392	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.12	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)				
05 05 23 00-0394	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.39	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0395	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.48	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.56	
		For >100 To 250, Deduct	-2.20	
		For >250 To 500, Deduct	-2.75	
		For >500, Deduct	-3.30	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.04	
		For >100 To 250, Deduct	-2.25	
		For >250 To 500, Deduct	-2.81	
		For >500, Deduct	-3.37	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.47	
		For >100 To 250, Deduct	-2.25	
		For >250 To 500, Deduct	-2.81	
		For >500, Deduct	-3.37	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.86	
		For >100 To 250, Deduct	-2.25	
		For >250 To 500, Deduct	-2.81	
		For >500, Deduct	-3.37	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.50	
		For >100 To 250, Deduct	-2.29	
		For >250 To 500, Deduct	-2.87	
		For >500, Deduct	-3.44	
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.25	
		For >100 To 250, Deduct	-2.29	
		For >250 To 500, Deduct	-2.87	
		For >500, Deduct	-3.44	
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.65	
		For >100 To 250, Deduct	-2.29	
		For >250 To 500, Deduct	-2.87	
		For >500, Deduct	-3.44	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.10	
		For >100 To 250, Deduct	-2.34	
		For >250 To 500, Deduct	-2.93	
		For >500, Deduct	-3.51	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.74	
		For >100 To 250, Deduct	-2.34	
		For >250 To 500, Deduct	-2.93	
		For >500, Deduct	-3.51	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.77	
		For >100 To 250, Deduct	-2.34	
		For >250 To 500, Deduct	-2.93	
		For >500, Deduct	-3.51	
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.95	
		For >100 To 250, Deduct	-2.39	
		For >250 To 500, Deduct	-2.99	
		For >500, Deduct	-3.59	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.79	
		For >100 To 250, Deduct	-2.39	
		For >250 To 500, Deduct	-2.99	
		For >500, Deduct	-3.59	
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.92	
		For >100 To 250, Deduct	-2.39	
		For >250 To 500, Deduct	-2.99	
		For >500, Deduct	-3.59	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.69	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.66	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.82	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.66	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.49	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.66	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.08	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.66	
05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)				

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0414	EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.35	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0415	EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.51	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0416	EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.60	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0417	EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.21	
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-2.81	
	For >500, Deduct	-3.37	
05 05 23 00-0418	EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.63	
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-2.81	
	For >500, Deduct	-3.37	
05 05 23 00-0419	EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.28	
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-2.81	
	For >500, Deduct	-3.37	
05 05 23 00-0420	EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.96	
	For >100 To 250, Deduct	-2.29	
	For >250 To 500, Deduct	-2.87	
	For >500, Deduct	-3.44	
05 05 23 00-0421	EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.37	
	For >100 To 250, Deduct	-2.29	
	For >250 To 500, Deduct	-2.87	
	For >500, Deduct	-3.44	
05 05 23 00-0422	EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.25	
	For >100 To 250, Deduct	-2.29	
	For >250 To 500, Deduct	-2.87	
	For >500, Deduct	-3.44	
05 05 23 00-0423	EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.90	
	For >100 To 250, Deduct	-2.34	
	For >250 To 500, Deduct	-2.93	
	For >500, Deduct	-3.51	
05 05 23 00-0424	EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.62	
	For >100 To 250, Deduct	-2.34	
	For >250 To 500, Deduct	-2.93	
	For >500, Deduct	-3.51	
05 05 23 00-0425	EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.50	
	For >100 To 250, Deduct	-2.34	
	For >250 To 500, Deduct	-2.93	
	For >500, Deduct	-3.51	
05 05 23 00-0426	EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.01	
	For >100 To 250, Deduct	-2.39	
	For >250 To 500, Deduct	-2.99	
	For >500, Deduct	-3.59	
05 05 23 00-0427	EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.92	
	For >100 To 250, Deduct	-2.39	
	For >250 To 500, Deduct	-2.99	
	For >500, Deduct	-3.59	
05 05 23 00-0428	EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.44	
	For >100 To 250, Deduct	-2.39	
	For >250 To 500, Deduct	-2.99	
	For >500, Deduct	-3.59	
05 05 23 00-0429	EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.05	
	For >100 To 250, Deduct	-2.44	
	For >250 To 500, Deduct	-3.05	
	For >500, Deduct	-3.66	
05 05 23 00-0430	EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.52	
	For >100 To 250, Deduct	-2.44	
	For >250 To 500, Deduct	-3.05	
	For >500, Deduct	-3.66	
05 05 23 00-0431	EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.03	
	For >100 To 250, Deduct	-2.44	
	For >250 To 500, Deduct	-3.05	
	For >500, Deduct	-3.66	
05 05 23 00-0432	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.41	
	For >100 To 250, Deduct	-2.44	
	For >250 To 500, Deduct	-3.05	
	For >500, Deduct	-3.66	

05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts
(05 05 23 00-0285)

05 05 23 00-0434	EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.76	
	For >100 To 250, Deduct	-2.44	
	For >250 To 500, Deduct	-3.05	
	For >500, Deduct	-3.66	
05 05 23 00-0435	EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.97	
	For >100 To 250, Deduct	-2.44	
	For >250 To 500, Deduct	-3.05	
	For >500, Deduct	-3.66	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.25	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.66	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.79	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.11	
		For >500, Deduct	-3.74	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.64	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.11	
		For >500, Deduct	-3.74	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.21	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.11	
		For >500, Deduct	-3.74	
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.88	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.17	
		For >500, Deduct	-3.81	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.88	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.17	
		For >500, Deduct	-3.81	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.65	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.17	
		For >500, Deduct	-3.81	
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.26	
		For >100 To 250, Deduct	-2.59	
		For >250 To 500, Deduct	-3.24	
		For >500, Deduct	-3.88	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.89	
		For >100 To 250, Deduct	-2.59	
		For >250 To 500, Deduct	-3.24	
		For >500, Deduct	-3.88	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.61	
		For >100 To 250, Deduct	-2.59	
		For >250 To 500, Deduct	-3.24	
		For >500, Deduct	-3.88	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.82	
		For >100 To 250, Deduct	-2.64	
		For >250 To 500, Deduct	-3.30	
		For >500, Deduct	-3.95	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.01	
		For >100 To 250, Deduct	-2.64	
		For >250 To 500, Deduct	-3.30	
		For >500, Deduct	-3.95	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.09	
		For >100 To 250, Deduct	-2.64	
		For >250 To 500, Deduct	-3.30	
		For >500, Deduct	-3.95	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.05	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-3.36	
		For >500, Deduct	-4.03	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.22	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-3.36	
		For >500, Deduct	-4.03	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.21	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-3.36	
		For >500, Deduct	-4.03	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.21	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-3.36	
		For >500, Deduct	-4.03	
05 05 23 00-0453		1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)		
05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.66	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.66	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.73	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.66	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.61	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.11	
		For >500, Deduct	-3.74	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.44	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.11	
		For >500, Deduct	-3.74	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0458	EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.05	
	For >100 To 250, Deduct	-2.49	
	For >250 To 500, Deduct	-3.11	
	For >500, Deduct	-3.74	
05 05 23 00-0459	EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.06	
	For >100 To 250, Deduct	-2.54	
	For >250 To 500, Deduct	-3.17	
	For >500, Deduct	-3.81	
05 05 23 00-0460	EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.03	
	For >100 To 250, Deduct	-2.54	
	For >250 To 500, Deduct	-3.17	
	For >500, Deduct	-3.81	
05 05 23 00-0461	EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.44	
	For >100 To 250, Deduct	-2.54	
	For >250 To 500, Deduct	-3.17	
	For >500, Deduct	-3.81	
05 05 23 00-0462	EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.70	
	For >100 To 250, Deduct	-2.59	
	For >250 To 500, Deduct	-3.24	
	For >500, Deduct	-3.88	
05 05 23 00-0463	EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.00	
	For >100 To 250, Deduct	-2.59	
	For >250 To 500, Deduct	-3.24	
	For >500, Deduct	-3.88	
05 05 23 00-0464	EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.97	
	For >100 To 250, Deduct	-2.59	
	For >250 To 500, Deduct	-3.24	
	For >500, Deduct	-3.88	
05 05 23 00-0465	EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	28.48	
	For >100 To 250, Deduct	-2.64	
	For >250 To 500, Deduct	-3.30	
	For >500, Deduct	-3.95	
05 05 23 00-0466	EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	30.57	
	For >100 To 250, Deduct	-2.64	
	For >250 To 500, Deduct	-3.30	
	For >500, Deduct	-3.95	
05 05 23 00-0467	EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	31.17	
	For >100 To 250, Deduct	-2.64	
	For >250 To 500, Deduct	-3.30	
	For >500, Deduct	-3.95	
05 05 23 00-0468	EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	38.12	
	For >100 To 250, Deduct	-2.68	
	For >250 To 500, Deduct	-3.36	
	For >500, Deduct	-4.03	
05 05 23 00-0469	EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	38.65	
	For >100 To 250, Deduct	-2.68	
	For >250 To 500, Deduct	-3.36	
	For >500, Deduct	-4.03	
05 05 23 00-0470	EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	40.09	
	For >100 To 250, Deduct	-2.68	
	For >250 To 500, Deduct	-3.36	
	For >500, Deduct	-4.03	
05 05 23 00-0471	EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	41.07	
	For >100 To 250, Deduct	-2.68	
	For >250 To 500, Deduct	-3.36	
	For >500, Deduct	-4.03	

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0474	EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.74	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0475	EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.84	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0476	EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.89	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0477	EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.00	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0478	EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.30	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0479	EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.42	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0480	EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.54	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.78		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.11		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.41		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.82		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0485	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.99		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0486	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.20		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0487	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.58		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0488	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.98		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0489	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.16		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)					
05 05 23 00-0491	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.83		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0492	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.89		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0493	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.08		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0494	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.12		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0495	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.47		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.64		
05 05 23 00-0496	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.75		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.64		
05 05 23 00-0497	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.84		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.64		
05 05 23 00-0498	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.25		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0499	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.43		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0500	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.84		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0501	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.34		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0502	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.49		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-0503	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.74		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0504	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.15		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0505	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.33		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0506	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.68		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)					
05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.03		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.05		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.07		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.29		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.67		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.64		
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.90		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.64		
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.10		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.64		
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.98		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.24		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.29		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.65		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.93		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.20		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.74		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.31		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.64		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)					
05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.46		
		For >100 To 250, Deduct	-1.95		
		For >250 To 500, Deduct	-2.44		
		For >500, Deduct	-2.93		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.49	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.44	
		For >500, Deduct	-2.93	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.85	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.44	
		For >500, Deduct	-2.93	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.12	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.00	
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.53	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.00	
05 05 23 00-0530	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.75	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.00	
05 05 23 00-0531	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.04	
		For >100 To 250, Deduct	-2.05	
		For >250 To 500, Deduct	-2.56	
		For >500, Deduct	-3.08	
05 05 23 00-0532	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.93	
		For >100 To 250, Deduct	-2.05	
		For >250 To 500, Deduct	-2.56	
		For >500, Deduct	-3.08	
05 05 23 00-0533	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.63	
		For >100 To 250, Deduct	-2.05	
		For >250 To 500, Deduct	-2.56	
		For >500, Deduct	-3.08	
05 05 23 00-0534	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.34	
		For >100 To 250, Deduct	-2.10	
		For >250 To 500, Deduct	-2.63	
		For >500, Deduct	-3.15	
05 05 23 00-0535	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.59	
		For >100 To 250, Deduct	-2.10	
		For >250 To 500, Deduct	-2.63	
		For >500, Deduct	-3.15	
05 05 23 00-0536	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.95	
		For >100 To 250, Deduct	-2.10	
		For >250 To 500, Deduct	-2.63	
		For >500, Deduct	-3.15	
05 05 23 00-0537	EA	7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.74	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.22	
05 05 23 00-0538	EA	7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.91	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.22	
05 05 23 00-0539	EA	7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.00	
		For >100 To 250, Deduct	-2.15	
		For >250 To 500, Deduct	-2.69	
		For >500, Deduct	-3.22	
05 05 23 00-0540		1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)	10.70	
05 05 23 00-0541	EA	1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.70	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.44	
		For >500, Deduct	-2.93	
05 05 23 00-0542	EA	1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.96	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.44	
		For >500, Deduct	-2.93	
05 05 23 00-0543	EA	1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.12	
		For >100 To 250, Deduct	-1.95	
		For >250 To 500, Deduct	-2.44	
		For >500, Deduct	-2.93	
05 05 23 00-0544	EA	1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.53	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.00	
05 05 23 00-0545	EA	1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.81	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.00	
05 05 23 00-0546	EA	1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.46	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-2.50	
		For >500, Deduct	-3.00	
05 05 23 00-0547	EA	1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.16	
		For >100 To 250, Deduct	-2.05	
		For >250 To 500, Deduct	-2.56	
		For >500, Deduct	-3.08	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0548	EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.54
	For >100 To 250, Deduct	-2.05
	For >250 To 500, Deduct	-2.56
	For >500, Deduct	-3.08
05 05 23 00-0549	EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.81
	For >100 To 250, Deduct	-2.05
	For >250 To 500, Deduct	-2.56
	For >500, Deduct	-3.08
05 05 23 00-0550	EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.52
	For >100 To 250, Deduct	-2.10
	For >250 To 500, Deduct	-2.63
	For >500, Deduct	-3.15
05 05 23 00-0551	EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.34
	For >100 To 250, Deduct	-2.10
	For >250 To 500, Deduct	-2.63
	For >500, Deduct	-3.15
05 05 23 00-0552	EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.09
	For >100 To 250, Deduct	-2.10
	For >250 To 500, Deduct	-2.63
	For >500, Deduct	-3.15
05 05 23 00-0553	EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.98
	For >100 To 250, Deduct	-2.15
	For >250 To 500, Deduct	-2.69
	For >500, Deduct	-3.22
05 05 23 00-0554	EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.31
	For >100 To 250, Deduct	-2.15
	For >250 To 500, Deduct	-2.69
	For >500, Deduct	-3.22
05 05 23 00-0555	EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.25
	For >100 To 250, Deduct	-2.15
	For >250 To 500, Deduct	-2.69
	For >500, Deduct	-3.22
05 05 23 00-0556	EA 1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.05
	For >100 To 250, Deduct	-2.20
	For >250 To 500, Deduct	-2.75
	For >500, Deduct	-3.30
05 05 23 00-0557	EA 1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.72
	For >100 To 250, Deduct	-2.20
	For >250 To 500, Deduct	-2.75
	For >500, Deduct	-3.30
05 05 23 00-0558	EA 1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.07
	For >100 To 250, Deduct	-2.20
	For >250 To 500, Deduct	-2.75
	For >500, Deduct	-3.30
05 05 23 00-0559	EA 1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.74
	For >100 To 250, Deduct	-2.20
	For >250 To 500, Deduct	-2.75
	For >500, Deduct	-3.30

05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0561	EA 9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.94
	For >100 To 250, Deduct	-1.95
	For >250 To 500, Deduct	-2.44
	For >500, Deduct	-2.93
05 05 23 00-0562	EA 9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.09
	For >100 To 250, Deduct	-1.95
	For >250 To 500, Deduct	-2.44
	For >500, Deduct	-2.93
05 05 23 00-0563	EA 9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.46
	For >100 To 250, Deduct	-1.95
	For >250 To 500, Deduct	-2.44
	For >500, Deduct	-2.93
05 05 23 00-0564	EA 9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.23
	For >100 To 250, Deduct	-2.00
	For >250 To 500, Deduct	-2.50
	For >500, Deduct	-3.00
05 05 23 00-0565	EA 9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.36
	For >100 To 250, Deduct	-2.00
	For >250 To 500, Deduct	-2.50
	For >500, Deduct	-3.00
05 05 23 00-0566	EA 9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.89
	For >100 To 250, Deduct	-2.00
	For >250 To 500, Deduct	-2.50
	For >500, Deduct	-3.00
05 05 23 00-0567	EA 9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.49
	For >100 To 250, Deduct	-2.05
	For >250 To 500, Deduct	-2.56
	For >500, Deduct	-3.08
05 05 23 00-0568	EA 9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.22
	For >100 To 250, Deduct	-2.05
	For >250 To 500, Deduct	-2.56
	For >500, Deduct	-3.08
05 05 23 00-0569	EA 9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.56
	For >100 To 250, Deduct	-2.05
	For >250 To 500, Deduct	-2.56
	For >500, Deduct	-3.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0570	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.08	
			For >100 To 250, Deduct	-2.10	
			For >250 To 500, Deduct	-2.63	
			For >500, Deduct	-3.15	
05 05 23 00-0571	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.83	
			For >100 To 250, Deduct	-2.10	
			For >250 To 500, Deduct	-2.63	
			For >500, Deduct	-3.15	
05 05 23 00-0572	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.66	
			For >100 To 250, Deduct	-2.10	
			For >250 To 500, Deduct	-2.63	
			For >500, Deduct	-3.15	
05 05 23 00-0573	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.23	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.22	
05 05 23 00-0574	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.33	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.22	
05 05 23 00-0575	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.79	
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-2.69	
			For >500, Deduct	-3.22	
05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)					
05 05 23 00-0577	EA		5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.72	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.30	
05 05 23 00-0578	EA		5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.88	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.30	
05 05 23 00-0579	EA		5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.28	
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.30	
05 05 23 00-0580	EA		5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.10	
			For >100 To 250, Deduct	-2.25	
			For >250 To 500, Deduct	-2.81	
			For >500, Deduct	-3.37	
05 05 23 00-0581	EA		5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.58	
			For >100 To 250, Deduct	-2.25	
			For >250 To 500, Deduct	-2.81	
			For >500, Deduct	-3.37	
05 05 23 00-0582	EA		5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.84	
			For >100 To 250, Deduct	-2.25	
			For >250 To 500, Deduct	-2.81	
			For >500, Deduct	-3.37	
05 05 23 00-0583	EA		5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.26	
			For >100 To 250, Deduct	-2.29	
			For >250 To 500, Deduct	-2.87	
			For >500, Deduct	-3.44	
05 05 23 00-0584	EA		5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.12	
			For >100 To 250, Deduct	-2.29	
			For >250 To 500, Deduct	-2.87	
			For >500, Deduct	-3.44	
05 05 23 00-0585	EA		5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.49	
			For >100 To 250, Deduct	-2.29	
			For >250 To 500, Deduct	-2.87	
			For >500, Deduct	-3.44	
05 05 23 00-0586	EA		5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.13	
			For >100 To 250, Deduct	-2.34	
			For >250 To 500, Deduct	-2.93	
			For >500, Deduct	-3.51	
05 05 23 00-0587	EA		5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.53	
			For >100 To 250, Deduct	-2.34	
			For >250 To 500, Deduct	-2.93	
			For >500, Deduct	-3.51	
05 05 23 00-0588	EA		5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.37	
			For >100 To 250, Deduct	-2.34	
			For >250 To 500, Deduct	-2.93	
			For >500, Deduct	-3.51	
05 05 23 00-0589	EA		5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.62	
			For >100 To 250, Deduct	-2.39	
			For >250 To 500, Deduct	-2.99	
			For >500, Deduct	-3.59	
05 05 23 00-0590	EA		5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.57	
			For >100 To 250, Deduct	-2.39	
			For >250 To 500, Deduct	-2.99	
			For >500, Deduct	-3.59	
05 05 23 00-0591	EA		5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.98	
			For >100 To 250, Deduct	-2.39	
			For >250 To 500, Deduct	-2.99	
			For >500, Deduct	-3.59	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.91		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.79		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.93		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.68		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		
05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)					
05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.62		
		For >100 To 250, Deduct	-2.20		
		For >250 To 500, Deduct	-2.75		
		For >500, Deduct	-3.30		
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.79		
		For >100 To 250, Deduct	-2.20		
		For >250 To 500, Deduct	-2.75		
		For >500, Deduct	-3.30		
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.90		
		For >100 To 250, Deduct	-2.20		
		For >250 To 500, Deduct	-2.75		
		For >500, Deduct	-3.30		
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.39		
		For >100 To 250, Deduct	-2.25		
		For >250 To 500, Deduct	-2.81		
		For >500, Deduct	-3.37		
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.74		
		For >100 To 250, Deduct	-2.25		
		For >250 To 500, Deduct	-2.81		
		For >500, Deduct	-3.37		
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.76		
		For >100 To 250, Deduct	-2.25		
		For >250 To 500, Deduct	-2.81		
		For >500, Deduct	-3.37		
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.43		
		For >100 To 250, Deduct	-2.29		
		For >250 To 500, Deduct	-2.87		
		For >500, Deduct	-3.44		
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.52		
		For >100 To 250, Deduct	-2.29		
		For >250 To 500, Deduct	-2.87		
		For >500, Deduct	-3.44		
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.90		
		For >100 To 250, Deduct	-2.29		
		For >250 To 500, Deduct	-2.87		
		For >500, Deduct	-3.44		
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.65		
		For >100 To 250, Deduct	-2.34		
		For >250 To 500, Deduct	-2.93		
		For >500, Deduct	-3.51		
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.37		
		For >100 To 250, Deduct	-2.34		
		For >250 To 500, Deduct	-2.93		
		For >500, Deduct	-3.51		
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.73		
		For >100 To 250, Deduct	-2.34		
		For >250 To 500, Deduct	-2.93		
		For >500, Deduct	-3.51		
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.64		
		For >100 To 250, Deduct	-2.39		
		For >250 To 500, Deduct	-2.99		
		For >500, Deduct	-3.59		
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.36		
		For >100 To 250, Deduct	-2.39		
		For >250 To 500, Deduct	-2.99		
		For >500, Deduct	-3.59		
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.74		
		For >100 To 250, Deduct	-2.39		
		For >250 To 500, Deduct	-2.99		
		For >500, Deduct	-3.59		
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.76		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.08		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0614	EA		3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.03	
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-3.05	
			For >500, Deduct	-3.66	
05 05 23 00-0615	EA		3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	28.38	
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-3.05	
			For >500, Deduct	-3.66	
05 05 23 00-0616			7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0617	EA		7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.29	
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-3.05	
			For >500, Deduct	-3.66	
05 05 23 00-0618	EA		7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.74	
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-3.05	
			For >500, Deduct	-3.66	
05 05 23 00-0619	EA		7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.65	
			For >100 To 250, Deduct	-2.49	
			For >250 To 500, Deduct	-3.11	
			For >500, Deduct	-3.74	
05 05 23 00-0620	EA		7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.99	
			For >100 To 250, Deduct	-2.49	
			For >250 To 500, Deduct	-3.11	
			For >500, Deduct	-3.74	
05 05 23 00-0621	EA		7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.15	
			For >100 To 250, Deduct	-2.49	
			For >250 To 500, Deduct	-3.11	
			For >500, Deduct	-3.74	
05 05 23 00-0622	EA		7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.67	
			For >100 To 250, Deduct	-2.54	
			For >250 To 500, Deduct	-3.17	
			For >500, Deduct	-3.81	
05 05 23 00-0623	EA		7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.92	
			For >100 To 250, Deduct	-2.54	
			For >250 To 500, Deduct	-3.17	
			For >500, Deduct	-3.81	
05 05 23 00-0624	EA		7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.75	
			For >100 To 250, Deduct	-2.54	
			For >250 To 500, Deduct	-3.17	
			For >500, Deduct	-3.81	
05 05 23 00-0625	EA		7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.93	
			For >100 To 250, Deduct	-2.59	
			For >250 To 500, Deduct	-3.24	
			For >500, Deduct	-3.88	
05 05 23 00-0626	EA		7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	28.15	
			For >100 To 250, Deduct	-2.59	
			For >250 To 500, Deduct	-3.24	
			For >500, Deduct	-3.88	
05 05 23 00-0627	EA		7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.29	
			For >100 To 250, Deduct	-2.59	
			For >250 To 500, Deduct	-3.24	
			For >500, Deduct	-3.88	
05 05 23 00-0628	EA		7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	32.58	
			For >100 To 250, Deduct	-2.64	
			For >250 To 500, Deduct	-3.30	
			For >500, Deduct	-3.95	
05 05 23 00-0629	EA		7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.81	
			For >100 To 250, Deduct	-2.64	
			For >250 To 500, Deduct	-3.30	
			For >500, Deduct	-3.95	
05 05 23 00-0630	EA		7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	37.12	
			For >100 To 250, Deduct	-2.64	
			For >250 To 500, Deduct	-3.30	
			For >500, Deduct	-3.95	
05 05 23 00-0631	EA		7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.41	
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-3.36	
			For >500, Deduct	-4.03	
05 05 23 00-0632	EA		7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	38.78	
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-3.36	
			For >500, Deduct	-4.03	
05 05 23 00-0633	EA		7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	39.11	
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-3.36	
			For >500, Deduct	-4.03	
05 05 23 00-0634	EA		7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	39.88	
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-3.36	
			For >500, Deduct	-4.03	
05 05 23 00-0635			1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)		
05 05 23 00-0636	EA		1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.57	
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-3.05	
			For >500, Deduct	-3.66	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0637	EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.69	
	For >100 To 250, Deduct	-2.44	
	For >250 To 500, Deduct	-3.05	
	For >500, Deduct	-3.66	
05 05 23 00-0638	EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.43	
	For >100 To 250, Deduct	-2.49	
	For >250 To 500, Deduct	-3.11	
	For >500, Deduct	-3.74	
05 05 23 00-0639	EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.28	
	For >100 To 250, Deduct	-2.49	
	For >250 To 500, Deduct	-3.11	
	For >500, Deduct	-3.74	
05 05 23 00-0640	EA 1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.85	
	For >100 To 250, Deduct	-2.49	
	For >250 To 500, Deduct	-3.11	
	For >500, Deduct	-3.74	
05 05 23 00-0641	EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.51	
	For >100 To 250, Deduct	-2.54	
	For >250 To 500, Deduct	-3.17	
	For >500, Deduct	-3.81	
05 05 23 00-0642	EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.87	
	For >100 To 250, Deduct	-2.54	
	For >250 To 500, Deduct	-3.17	
	For >500, Deduct	-3.81	
05 05 23 00-0643	EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.68	
	For >100 To 250, Deduct	-2.54	
	For >250 To 500, Deduct	-3.17	
	For >500, Deduct	-3.81	
05 05 23 00-0644	EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.78	
	For >100 To 250, Deduct	-2.59	
	For >250 To 500, Deduct	-3.24	
	For >500, Deduct	-3.88	
05 05 23 00-0645	EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	28.55	
	For >100 To 250, Deduct	-2.59	
	For >250 To 500, Deduct	-3.24	
	For >500, Deduct	-3.88	
05 05 23 00-0646	EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.34	
	For >100 To 250, Deduct	-2.59	
	For >250 To 500, Deduct	-3.24	
	For >500, Deduct	-3.88	
05 05 23 00-0647	EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	33.16	
	For >100 To 250, Deduct	-2.64	
	For >250 To 500, Deduct	-3.30	
	For >500, Deduct	-3.95	
05 05 23 00-0648	EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.44	
	For >100 To 250, Deduct	-2.64	
	For >250 To 500, Deduct	-3.30	
	For >500, Deduct	-3.95	
05 05 23 00-0649	EA 1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	38.18	
	For >100 To 250, Deduct	-2.64	
	For >250 To 500, Deduct	-3.30	
	For >500, Deduct	-3.95	
05 05 23 00-0650	EA 1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	40.70	
	For >100 To 250, Deduct	-2.68	
	For >250 To 500, Deduct	-3.36	
	For >500, Deduct	-4.03	
05 05 23 00-0651	EA 1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	41.94	
	For >100 To 250, Deduct	-2.68	
	For >250 To 500, Deduct	-3.36	
	For >500, Deduct	-4.03	
05 05 23 00-0652	EA 1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	45.20	
	For >100 To 250, Deduct	-2.68	
	For >250 To 500, Deduct	-3.36	
	For >500, Deduct	-4.03	
05 05 23 00-0653	EA 1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	47.19	
	For >100 To 250, Deduct	-2.68	
	For >250 To 500, Deduct	-3.36	
	For >500, Deduct	-4.03	

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0656	EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.87	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0657	EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.89	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0658	EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.91	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0659	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.14	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0660	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.50		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.64		
05 05 23 00-0661	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.63		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.64		
05 05 23 00-0662	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.69		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.64		
05 05 23 00-0663	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.94		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.11		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.15		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.51		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.65		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.70		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.07		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.46		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.95		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0672		5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)			
05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.77		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.22		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.25		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.27		
		For >100 To 250, Deduct	-1.71		
		For >250 To 500, Deduct	-2.14		
		For >500, Deduct	-2.57		
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.71		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.64		
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.14		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.64		
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.21		
		For >100 To 250, Deduct	-1.76		
		For >250 To 500, Deduct	-2.20		
		For >500, Deduct	-2.64		
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.57		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.61		
		For >100 To 250, Deduct	-1.81		
		For >250 To 500, Deduct	-2.26		
		For >500, Deduct	-2.71		

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.95
		For >100 To 250, Deduct	-1.81
		For >250 To 500, Deduct	-2.26
		For >500, Deduct	-2.71
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.29
		For >100 To 250, Deduct	-1.86
		For >250 To 500, Deduct	-2.32
		For >500, Deduct	-2.78
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.42
		For >100 To 250, Deduct	-1.86
		For >250 To 500, Deduct	-2.32
		For >500, Deduct	-2.78
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.74
		For >100 To 250, Deduct	-1.86
		For >250 To 500, Deduct	-2.32
		For >500, Deduct	-2.78
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.63
		For >100 To 250, Deduct	-1.90
		For >250 To 500, Deduct	-2.38
		For >500, Deduct	-2.86
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.14
		For >100 To 250, Deduct	-1.90
		For >250 To 500, Deduct	-2.38
		For >500, Deduct	-2.86
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.62
		For >100 To 250, Deduct	-1.90
		For >250 To 500, Deduct	-2.38
		For >500, Deduct	-2.86

05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts

(05 05 23 00-0654)

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.90
		For >100 To 250, Deduct	-1.71
		For >250 To 500, Deduct	-2.14
		For >500, Deduct	-2.57
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.01
		For >100 To 250, Deduct	-1.71
		For >250 To 500, Deduct	-2.14
		For >500, Deduct	-2.57
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.12
		For >100 To 250, Deduct	-1.71
		For >250 To 500, Deduct	-2.14
		For >500, Deduct	-2.57
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.39
		For >100 To 250, Deduct	-1.71
		For >250 To 500, Deduct	-2.14
		For >500, Deduct	-2.57
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.75
		For >100 To 250, Deduct	-1.76
		For >250 To 500, Deduct	-2.20
		For >500, Deduct	-2.64
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.98
		For >100 To 250, Deduct	-1.76
		For >250 To 500, Deduct	-2.20
		For >500, Deduct	-2.64
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.14
		For >100 To 250, Deduct	-1.76
		For >250 To 500, Deduct	-2.20
		For >500, Deduct	-2.64
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.60
		For >100 To 250, Deduct	-1.81
		For >250 To 500, Deduct	-2.26
		For >500, Deduct	-2.71
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.71
		For >100 To 250, Deduct	-1.81
		For >250 To 500, Deduct	-2.26
		For >500, Deduct	-2.71
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.98
		For >100 To 250, Deduct	-1.81
		For >250 To 500, Deduct	-2.26
		For >500, Deduct	-2.71
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.35
		For >100 To 250, Deduct	-1.86
		For >250 To 500, Deduct	-2.32
		For >500, Deduct	-2.78
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.73
		For >100 To 250, Deduct	-1.86
		For >250 To 500, Deduct	-2.32
		For >500, Deduct	-2.78
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.79
		For >100 To 250, Deduct	-1.86
		For >250 To 500, Deduct	-2.32
		For >500, Deduct	-2.78
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.06
		For >100 To 250, Deduct	-1.90
		For >250 To 500, Deduct	-2.38
		For >500, Deduct	-2.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0704	EA	3/8"	Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.10	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0705	EA	3/8"	Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.54	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	

05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0707	EA	7/16"	Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.79	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.44	
			For >500, Deduct	-2.93	
05 05 23 00-0708	EA	7/16"	Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.27	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.44	
			For >500, Deduct	-2.93	
05 05 23 00-0709	EA	7/16"	Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.65	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.44	
			For >500, Deduct	-2.93	
05 05 23 00-0710	EA	7/16"	Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.52	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-3.00	
05 05 23 00-0711	EA	7/16"	Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.55	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-3.00	
05 05 23 00-0712	EA	7/16"	Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.59	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-3.00	
05 05 23 00-0713	EA	7/16"	Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.15	
			For >100 To 250, Deduct	-2.05	
			For >250 To 500, Deduct	-2.56	
			For >500, Deduct	-3.08	
05 05 23 00-0714	EA	7/16"	Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.50	
			For >100 To 250, Deduct	-2.05	
			For >250 To 500, Deduct	-2.56	
			For >500, Deduct	-3.08	
05 05 23 00-0715	EA	7/16"	Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.81	
			For >100 To 250, Deduct	-2.05	
			For >250 To 500, Deduct	-2.56	
			For >500, Deduct	-3.08	
05 05 23 00-0716	EA	7/16"	Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.41	
			For >100 To 250, Deduct	-2.10	
			For >250 To 500, Deduct	-2.63	
			For >500, Deduct	-3.15	
05 05 23 00-0717	EA	7/16"	Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.77	
			For >100 To 250, Deduct	-2.10	
			For >250 To 500, Deduct	-2.63	
			For >500, Deduct	-3.15	

05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0719	EA	1/2"	Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.57	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.44	
			For >500, Deduct	-2.93	
05 05 23 00-0720	EA	1/2"	Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.73	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.44	
			For >500, Deduct	-2.93	
05 05 23 00-0721	EA	1/2"	Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.05	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-2.44	
			For >500, Deduct	-2.93	
05 05 23 00-0722	EA	1/2"	Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.66	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-3.00	
05 05 23 00-0723	EA	1/2"	Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.90	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-3.00	
05 05 23 00-0724	EA	1/2"	Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.36	
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.50	
			For >500, Deduct	-3.00	
05 05 23 00-0725	EA	1/2"	Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.68	
			For >100 To 250, Deduct	-2.05	
			For >250 To 500, Deduct	-2.56	
			For >500, Deduct	-3.08	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0726	EA 1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.85	
	For >100 To 250, Deduct	-2.05	
	For >250 To 500, Deduct	-2.56	
	For >500, Deduct	-3.08	
05 05 23 00-0727	EA 1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.21	
	For >100 To 250, Deduct	-2.05	
	For >250 To 500, Deduct	-2.56	
	For >500, Deduct	-3.08	
05 05 23 00-0728	EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.63	
	For >100 To 250, Deduct	-2.10	
	For >250 To 500, Deduct	-2.63	
	For >500, Deduct	-3.15	
05 05 23 00-0729	EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.03	
	For >100 To 250, Deduct	-2.10	
	For >250 To 500, Deduct	-2.63	
	For >500, Deduct	-3.15	
05 05 23 00-0730	EA 1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.07	
	For >100 To 250, Deduct	-2.10	
	For >250 To 500, Deduct	-2.63	
	For >500, Deduct	-3.15	
05 05 23 00-0731	EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.39	
	For >100 To 250, Deduct	-2.15	
	For >250 To 500, Deduct	-2.69	
	For >500, Deduct	-3.22	
05 05 23 00-0732	EA 1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.49	
	For >100 To 250, Deduct	-2.15	
	For >250 To 500, Deduct	-2.69	
	For >500, Deduct	-3.22	
05 05 23 00-0733	EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.80	
	For >100 To 250, Deduct	-2.15	
	For >250 To 500, Deduct	-2.69	
	For >500, Deduct	-3.22	
05 05 23 00-0734	EA 1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.50	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0735	EA 1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.75	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0736	EA 1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.80	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0737	EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.94	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	

05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts

(05 05 23 00-0654)

05 05 23 00-0739	EA 5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.37	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0740	EA 5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.62	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0741	EA 5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.79	
	For >100 To 250, Deduct	-2.20	
	For >250 To 500, Deduct	-2.75	
	For >500, Deduct	-3.30	
05 05 23 00-0742	EA 5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.30	
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-2.81	
	For >500, Deduct	-3.37	
05 05 23 00-0743	EA 5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.66	
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-2.81	
	For >500, Deduct	-3.37	
05 05 23 00-0744	EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.47	
	For >100 To 250, Deduct	-2.25	
	For >250 To 500, Deduct	-2.81	
	For >500, Deduct	-3.37	
05 05 23 00-0745	EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.83	
	For >100 To 250, Deduct	-2.29	
	For >250 To 500, Deduct	-2.87	
	For >500, Deduct	-3.44	
05 05 23 00-0746	EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.98	
	For >100 To 250, Deduct	-2.29	
	For >250 To 500, Deduct	-2.87	
	For >500, Deduct	-3.44	
05 05 23 00-0747	EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.22	
	For >100 To 250, Deduct	-2.29	
	For >250 To 500, Deduct	-2.87	
	For >500, Deduct	-3.44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0748 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.79	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	
05 05 23 00-0749 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.07	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	
05 05 23 00-0750 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.90	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	
05 05 23 00-0751 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.20	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0752 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.65	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0753 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.08	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0754 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.93	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0755 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.61	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0756 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.18	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0757 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.29	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
 05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)		
05 05 23 00-0759 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.55	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0760 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.60	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0761 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.90	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0762 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.81	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-3.37	
05 05 23 00-0763 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.94	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-3.37	
05 05 23 00-0764 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.67	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-3.37	
05 05 23 00-0765 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.29	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0766 EA 3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.36	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0767 EA 3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.51	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0768 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.86	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	
05 05 23 00-0769 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.81	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.22		
		For >100 To 250, Deduct	-2.34		
		For >250 To 500, Deduct	-2.93		
		For >500, Deduct	-3.51		
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.24		
		For >100 To 250, Deduct	-2.39		
		For >250 To 500, Deduct	-2.99		
		For >500, Deduct	-3.59		
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.37		
		For >100 To 250, Deduct	-2.39		
		For >250 To 500, Deduct	-2.99		
		For >500, Deduct	-3.59		
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.76		
		For >100 To 250, Deduct	-2.39		
		For >250 To 500, Deduct	-2.99		
		For >500, Deduct	-3.59		
05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.58		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.00		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.23		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.35		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		
05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)					
05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.10		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.57		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.08		
		For >100 To 250, Deduct	-2.49		
		For >250 To 500, Deduct	-3.11		
		For >500, Deduct	-3.74		
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.50		
		For >100 To 250, Deduct	-2.49		
		For >250 To 500, Deduct	-3.11		
		For >500, Deduct	-3.74		
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.86		
		For >100 To 250, Deduct	-2.49		
		For >250 To 500, Deduct	-3.11		
		For >500, Deduct	-3.74		
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.57		
		For >100 To 250, Deduct	-2.54		
		For >250 To 500, Deduct	-3.17		
		For >500, Deduct	-3.81		
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.07		
		For >100 To 250, Deduct	-2.54		
		For >250 To 500, Deduct	-3.17		
		For >500, Deduct	-3.81		
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.72		
		For >100 To 250, Deduct	-2.54		
		For >250 To 500, Deduct	-3.17		
		For >500, Deduct	-3.81		
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.42		
		For >100 To 250, Deduct	-2.59		
		For >250 To 500, Deduct	-3.24		
		For >500, Deduct	-3.88		
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.93		
		For >100 To 250, Deduct	-2.59		
		For >250 To 500, Deduct	-3.24		
		For >500, Deduct	-3.88		
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.93		
		For >100 To 250, Deduct	-2.59		
		For >250 To 500, Deduct	-3.24		
		For >500, Deduct	-3.88		
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.72		
		For >100 To 250, Deduct	-2.64		
		For >250 To 500, Deduct	-3.30		
		For >500, Deduct	-3.95		
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.65		
		For >100 To 250, Deduct	-2.64		
		For >250 To 500, Deduct	-3.30		
		For >500, Deduct	-3.95		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0792 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.87	
For >100 To 250, Deduct	-2.64	
For >250 To 500, Deduct	-3.30	
For >500, Deduct	-3.95	
05 05 23 00-0793 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.37	
For >100 To 250, Deduct	-2.68	
For >250 To 500, Deduct	-3.36	
For >500, Deduct	-4.03	
05 05 23 00-0794 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.89	
For >100 To 250, Deduct	-2.68	
For >250 To 500, Deduct	-3.36	
For >500, Deduct	-4.03	
05 05 23 00-0795 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.54	
For >100 To 250, Deduct	-2.68	
For >250 To 500, Deduct	-3.36	
For >500, Deduct	-4.03	
05 05 23 00-0796 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.14	
For >100 To 250, Deduct	-2.68	
For >250 To 500, Deduct	-3.36	
For >500, Deduct	-4.03	
 05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)		
05 05 23 00-0798 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.35	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0799 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.74	
For >100 To 250, Deduct	-2.49	
For >250 To 500, Deduct	-3.11	
For >500, Deduct	-3.74	
05 05 23 00-0800 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.61	
For >100 To 250, Deduct	-2.49	
For >250 To 500, Deduct	-3.11	
For >500, Deduct	-3.74	
05 05 23 00-0801 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.30	
For >100 To 250, Deduct	-2.49	
For >250 To 500, Deduct	-3.11	
For >500, Deduct	-3.74	
05 05 23 00-0802 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.10	
For >100 To 250, Deduct	-2.54	
For >250 To 500, Deduct	-3.17	
For >500, Deduct	-3.81	
05 05 23 00-0803 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.45	
For >100 To 250, Deduct	-2.54	
For >250 To 500, Deduct	-3.17	
For >500, Deduct	-3.81	
05 05 23 00-0804 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.46	
For >100 To 250, Deduct	-2.54	
For >250 To 500, Deduct	-3.17	
For >500, Deduct	-3.81	
05 05 23 00-0805 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.82	
For >100 To 250, Deduct	-2.59	
For >250 To 500, Deduct	-3.24	
For >500, Deduct	-3.88	
05 05 23 00-0806 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.19	
For >100 To 250, Deduct	-2.59	
For >250 To 500, Deduct	-3.24	
For >500, Deduct	-3.88	
05 05 23 00-0807 EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.62	
For >100 To 250, Deduct	-2.59	
For >250 To 500, Deduct	-3.24	
For >500, Deduct	-3.88	
05 05 23 00-0808 EA 1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.51	
For >100 To 250, Deduct	-2.64	
For >250 To 500, Deduct	-3.30	
For >500, Deduct	-3.95	
05 05 23 00-0809 EA 1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.94	
For >100 To 250, Deduct	-2.64	
For >250 To 500, Deduct	-3.30	
For >500, Deduct	-3.95	
05 05 23 00-0810 EA 1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.37	
For >100 To 250, Deduct	-2.64	
For >250 To 500, Deduct	-3.30	
For >500, Deduct	-3.95	
05 05 23 00-0811 EA 1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.03	
For >100 To 250, Deduct	-2.68	
For >250 To 500, Deduct	-3.36	
For >500, Deduct	-4.03	
05 05 23 00-0812 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.19	
For >100 To 250, Deduct	-2.68	
For >250 To 500, Deduct	-3.36	
For >500, Deduct	-4.03	
05 05 23 00-0813 EA 1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.07	
For >100 To 250, Deduct	-2.68	
For >250 To 500, Deduct	-3.36	
For >500, Deduct	-4.03	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	37.36
		For >100 To 250, Deduct	-2.68
		For >250 To 500, Deduct	-3.36
		For >500, Deduct	-4.03

05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0097)**05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)**

05 05 23 00-0817	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.83
		For >100 To 250, Deduct	-1.71
		For >250 To 500, Deduct	-2.14
		For >500, Deduct	-2.57
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.94
		For >100 To 250, Deduct	-1.71
		For >250 To 500, Deduct	-2.14
		For >500, Deduct	-2.57
05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.07
		For >100 To 250, Deduct	-1.71
		For >250 To 500, Deduct	-2.14
		For >500, Deduct	-2.57
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.21
		For >100 To 250, Deduct	-1.71
		For >250 To 500, Deduct	-2.14
		For >500, Deduct	-2.57
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.60
		For >100 To 250, Deduct	-1.76
		For >250 To 500, Deduct	-2.20
		For >500, Deduct	-2.64
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.82
		For >100 To 250, Deduct	-1.76
		For >250 To 500, Deduct	-2.20
		For >500, Deduct	-2.64
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.08
		For >100 To 250, Deduct	-1.76
		For >250 To 500, Deduct	-2.20
		For >500, Deduct	-2.64
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.50
		For >100 To 250, Deduct	-1.81
		For >250 To 500, Deduct	-2.26
		For >500, Deduct	-2.71
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.82
		For >100 To 250, Deduct	-1.81
		For >250 To 500, Deduct	-2.26
		For >500, Deduct	-2.71
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.11
		For >100 To 250, Deduct	-1.81
		For >250 To 500, Deduct	-2.26
		For >500, Deduct	-2.71
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.60
		For >100 To 250, Deduct	-1.86
		For >250 To 500, Deduct	-2.32
		For >500, Deduct	-2.78
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.07
		For >100 To 250, Deduct	-1.86
		For >250 To 500, Deduct	-2.32
		For >500, Deduct	-2.78
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.80
		For >100 To 250, Deduct	-1.86
		For >250 To 500, Deduct	-2.32
		For >500, Deduct	-2.78
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.83
		For >100 To 250, Deduct	-1.90
		For >250 To 500, Deduct	-2.38
		For >500, Deduct	-2.86
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.10
		For >100 To 250, Deduct	-1.90
		For >250 To 500, Deduct	-2.38
		For >500, Deduct	-2.86
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.75
		For >100 To 250, Deduct	-1.90
		For >250 To 500, Deduct	-2.38
		For >500, Deduct	-2.86

05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)

05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.02
		For >100 To 250, Deduct	-1.71
		For >250 To 500, Deduct	-2.14
		For >500, Deduct	-2.57
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.12
		For >100 To 250, Deduct	-1.71
		For >250 To 500, Deduct	-2.14
		For >500, Deduct	-2.57
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.33
		For >100 To 250, Deduct	-1.71
		For >250 To 500, Deduct	-2.14
		For >500, Deduct	-2.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0837	EA		5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.49	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0838	EA		5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.03	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0839	EA		5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.14	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0840	EA		5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.67	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0841	EA		5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.29	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0842	EA		5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.88	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0843	EA		5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.18	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0844	EA		5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.35	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-0845	EA		5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.84	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-0846	EA		5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.25	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-0847	EA		5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.00	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-0848			3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0849	EA		3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.28	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0850	EA		3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.40	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0851	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.73	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0852	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.13	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-0853	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.58	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0854	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.91	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0855	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.35	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-0856	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.97	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0857	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.48	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-0858	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.60	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.99		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.91		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.89		
		For >100 To 250, Deduct	-1.86		
		For >250 To 500, Deduct	-2.32		
		For >500, Deduct	-2.78		
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.59		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0863	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.87		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0864	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.85		
		For >100 To 250, Deduct	-1.90		
		For >250 To 500, Deduct	-2.38		
		For >500, Deduct	-2.86		
05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)					
05 05 23 00-0866	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.54		
		For >100 To 250, Deduct	-1.95		
		For >250 To 500, Deduct	-2.44		
		For >500, Deduct	-2.93		
05 05 23 00-0867	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.67		
		For >100 To 250, Deduct	-1.95		
		For >250 To 500, Deduct	-2.44		
		For >500, Deduct	-2.93		
05 05 23 00-0868	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.20		
		For >100 To 250, Deduct	-1.95		
		For >250 To 500, Deduct	-2.44		
		For >500, Deduct	-2.93		
05 05 23 00-0869	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.75		
		For >100 To 250, Deduct	-2.00		
		For >250 To 500, Deduct	-2.50		
		For >500, Deduct	-3.00		
05 05 23 00-0870	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.38		
		For >100 To 250, Deduct	-2.00		
		For >250 To 500, Deduct	-2.50		
		For >500, Deduct	-3.00		
05 05 23 00-0871	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.42		
		For >100 To 250, Deduct	-2.00		
		For >250 To 500, Deduct	-2.50		
		For >500, Deduct	-3.00		
05 05 23 00-0872	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.15		
		For >100 To 250, Deduct	-2.05		
		For >250 To 500, Deduct	-2.56		
		For >500, Deduct	-3.08		
05 05 23 00-0873	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.38		
		For >100 To 250, Deduct	-2.05		
		For >250 To 500, Deduct	-2.56		
		For >500, Deduct	-3.08		
05 05 23 00-0874	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.92		
		For >100 To 250, Deduct	-2.05		
		For >250 To 500, Deduct	-2.56		
		For >500, Deduct	-3.08		
05 05 23 00-0875	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.84		
		For >100 To 250, Deduct	-2.10		
		For >250 To 500, Deduct	-2.63		
		For >500, Deduct	-3.15		
05 05 23 00-0876	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.71		
		For >100 To 250, Deduct	-2.10		
		For >250 To 500, Deduct	-2.63		
		For >500, Deduct	-3.15		
05 05 23 00-0877	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.96		
		For >100 To 250, Deduct	-2.10		
		For >250 To 500, Deduct	-2.63		
		For >500, Deduct	-3.15		
05 05 23 00-0878	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.43		
		For >100 To 250, Deduct	-2.15		
		For >250 To 500, Deduct	-2.69		
		For >500, Deduct	-3.22		
05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)					
05 05 23 00-0880	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.52		
		For >100 To 250, Deduct	-1.95		
		For >250 To 500, Deduct	-2.44		
		For >500, Deduct	-2.93		
05 05 23 00-0881	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.67		
		For >100 To 250, Deduct	-1.95		
		For >250 To 500, Deduct	-2.44		
		For >500, Deduct	-2.93		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0882 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.50	
For >100 To 250, Deduct	-1.95	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-2.93	
05 05 23 00-0883 EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.06	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-0884 EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.81	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-0885 EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.21	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-0886 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.96	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.08	
05 05 23 00-0887 EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.32	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.08	
05 05 23 00-0888 EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.27	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.08	
05 05 23 00-0889 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.06	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-0890 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.94	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-0891 EA 1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.95	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-0892 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.67	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-0893 EA 1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.26	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-0894 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.20	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-0895 EA 1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.06	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0896 EA 1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.43	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0897 EA 1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.03	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0898 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.62	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)	15.83	
EA 9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.83	
For >100 To 250, Deduct	-1.95	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-2.93	
05 05 23 00-0901 EA 9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.53	
For >100 To 250, Deduct	-1.95	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-2.93	
05 05 23 00-0902 EA 9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.52	
For >100 To 250, Deduct	-1.95	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-2.93	
05 05 23 00-0903 EA 9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.36	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
05 05 23 00-0904	EA 9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt		22.42	
	For >100 To 250, Deduct	-2.00		
	For >250 To 500, Deduct	-2.50		
	For >500, Deduct	-3.00		
05 05 23 00-0905	EA 9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		24.27	
	For >100 To 250, Deduct	-2.00		
	For >250 To 500, Deduct	-2.50		
	For >500, Deduct	-3.00		
05 05 23 00-0906	EA 9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt		27.24	
	For >100 To 250, Deduct	-2.05		
	For >250 To 500, Deduct	-2.56		
	For >500, Deduct	-3.08		
05 05 23 00-0907	EA 9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		27.66	
	For >100 To 250, Deduct	-2.05		
	For >250 To 500, Deduct	-2.56		
	For >500, Deduct	-3.08		
05 05 23 00-0908	EA 9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt		31.58	
	For >100 To 250, Deduct	-2.05		
	For >250 To 500, Deduct	-2.56		
	For >500, Deduct	-3.08		
05 05 23 00-0909	EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		33.67	
	For >100 To 250, Deduct	-2.10		
	For >250 To 500, Deduct	-2.63		
	For >500, Deduct	-3.15		
05 05 23 00-0910	EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt		35.76	
	For >100 To 250, Deduct	-2.10		
	For >250 To 500, Deduct	-2.63		
	For >500, Deduct	-3.15		
05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0915)				
05 05 23 00-0912	EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt		14.20	
	For >100 To 250, Deduct	-2.20		
	For >250 To 500, Deduct	-2.75		
	For >500, Deduct	-3.30		
05 05 23 00-0913	EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		14.59	
	For >100 To 250, Deduct	-2.20		
	For >250 To 500, Deduct	-2.75		
	For >500, Deduct	-3.30		
05 05 23 00-0914	EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		16.22	
	For >100 To 250, Deduct	-2.20		
	For >250 To 500, Deduct	-2.75		
	For >500, Deduct	-3.30		
05 05 23 00-0915	EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		16.73	
	For >100 To 250, Deduct	-2.25		
	For >250 To 500, Deduct	-2.81		
	For >500, Deduct	-3.37		
05 05 23 00-0916	EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt		17.51	
	For >100 To 250, Deduct	-2.25		
	For >250 To 500, Deduct	-2.81		
	For >500, Deduct	-3.37		
05 05 23 00-0917	EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		18.61	
	For >100 To 250, Deduct	-2.25		
	For >250 To 500, Deduct	-2.81		
	For >500, Deduct	-3.37		
05 05 23 00-0918	EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt		20.24	
	For >100 To 250, Deduct	-2.29		
	For >250 To 500, Deduct	-2.87		
	For >500, Deduct	-3.44		
05 05 23 00-0919	EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		20.26	
	For >100 To 250, Deduct	-2.29		
	For >250 To 500, Deduct	-2.87		
	For >500, Deduct	-3.44		
05 05 23 00-0920	EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt		21.50	
	For >100 To 250, Deduct	-2.29		
	For >250 To 500, Deduct	-2.87		
	For >500, Deduct	-3.44		
05 05 23 00-0921	EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		22.44	
	For >100 To 250, Deduct	-2.34		
	For >250 To 500, Deduct	-2.93		
	For >500, Deduct	-3.51		
05 05 23 00-0922	EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt		23.56	
	For >100 To 250, Deduct	-2.34		
	For >250 To 500, Deduct	-2.93		
	For >500, Deduct	-3.51		
05 05 23 00-0923	EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		27.66	
	For >100 To 250, Deduct	-2.34		
	For >250 To 500, Deduct	-2.93		
	For >500, Deduct	-3.51		
05 05 23 00-0924	EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt		30.15	
	For >100 To 250, Deduct	-2.39		
	For >250 To 500, Deduct	-2.99		
	For >500, Deduct	-3.59		
05 05 23 00-0925	EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		32.00	
	For >100 To 250, Deduct	-2.39		
	For >250 To 500, Deduct	-2.99		
	For >500, Deduct	-3.59		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0926 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.84	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0927 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.50	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0928 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.59	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0929 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.47	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0930 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.47	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	
05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)		
05 05 23 00-0932 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.98	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0933 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.74	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0934 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.75	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-0935 EA 3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.08	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-3.37	
05 05 23 00-0936 EA 3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.18	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-3.37	
05 05 23 00-0937 EA 3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.05	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-3.37	
05 05 23 00-0938 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.40	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0939 EA 3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.13	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0940 EA 3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.52	
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0941 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.20	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	
05 05 23 00-0942 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.81	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	
05 05 23 00-0943 EA 3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.84	
For >100 To 250, Deduct	-2.34	
For >250 To 500, Deduct	-2.93	
For >500, Deduct	-3.51	
05 05 23 00-0944 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	41.15	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0945 EA 3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.72	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0946 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.22	
For >100 To 250, Deduct	-2.39	
For >250 To 500, Deduct	-2.99	
For >500, Deduct	-3.59	
05 05 23 00-0947 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.71	
For >100 To 250, Deduct	-2.44	
For >250 To 500, Deduct	-3.05	
For >500, Deduct	-3.66	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0948	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	50.58	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.66	
05 05 23 00-0949	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	52.93	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.66	
05 05 23 00-0950	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.74	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.66	
05 05 23 00-0951 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)				
05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.97	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.66	
05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.87	
		For >100 To 250, Deduct	-2.44	
		For >250 To 500, Deduct	-3.05	
		For >500, Deduct	-3.66	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.57	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.11	
		For >500, Deduct	-3.74	
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.50	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.11	
		For >500, Deduct	-3.74	
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.13	
		For >100 To 250, Deduct	-2.49	
		For >250 To 500, Deduct	-3.11	
		For >500, Deduct	-3.74	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.95	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.17	
		For >500, Deduct	-3.81	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.57	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.17	
		For >500, Deduct	-3.81	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.77	
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.17	
		For >500, Deduct	-3.81	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.64	
		For >100 To 250, Deduct	-2.59	
		For >250 To 500, Deduct	-3.24	
		For >500, Deduct	-3.88	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.26	
		For >100 To 250, Deduct	-2.59	
		For >250 To 500, Deduct	-3.24	
		For >500, Deduct	-3.88	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.15	
		For >100 To 250, Deduct	-2.59	
		For >250 To 500, Deduct	-3.24	
		For >500, Deduct	-3.88	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.80	
		For >100 To 250, Deduct	-2.64	
		For >250 To 500, Deduct	-3.30	
		For >500, Deduct	-3.95	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.79	
		For >100 To 250, Deduct	-2.64	
		For >250 To 500, Deduct	-3.30	
		For >500, Deduct	-3.95	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.00	
		For >100 To 250, Deduct	-2.64	
		For >250 To 500, Deduct	-3.30	
		For >500, Deduct	-3.95	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.00	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-3.36	
		For >500, Deduct	-4.03	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	74.82	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-3.36	
		For >500, Deduct	-4.03	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	78.44	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-3.36	
		For >500, Deduct	-4.03	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	82.04	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-3.36	
		For >500, Deduct	-4.03	

05 05 23 00-0970 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	26.58	
		For >100 To 250, Deduct		-2.44	
		For >250 To 500, Deduct		-3.05	
		For >500, Deduct		-3.66	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	27.97	
		For >100 To 250, Deduct		-2.44	
		For >250 To 500, Deduct		-3.05	
		For >500, Deduct		-3.66	
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	30.28	
		For >100 To 250, Deduct		-2.49	
		For >250 To 500, Deduct		-3.11	
		For >500, Deduct		-3.74	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	32.03	
		For >100 To 250, Deduct		-2.49	
		For >250 To 500, Deduct		-3.11	
		For >500, Deduct		-3.74	
05 05 23 00-0975	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	34.90	
		For >100 To 250, Deduct		-2.49	
		For >250 To 500, Deduct		-3.11	
		For >500, Deduct		-3.74	
05 05 23 00-0976	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	38.37	
		For >100 To 250, Deduct		-2.54	
		For >250 To 500, Deduct		-3.17	
		For >500, Deduct		-3.81	
05 05 23 00-0977	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	40.37	
		For >100 To 250, Deduct		-2.54	
		For >250 To 500, Deduct		-3.17	
		For >500, Deduct		-3.81	
05 05 23 00-0978	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	43.33	
		For >100 To 250, Deduct		-2.54	
		For >250 To 500, Deduct		-3.17	
		For >500, Deduct		-3.81	
05 05 23 00-0979	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	46.36	
		For >100 To 250, Deduct		-2.59	
		For >250 To 500, Deduct		-3.24	
		For >500, Deduct		-3.88	
05 05 23 00-0980	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	46.52	
		For >100 To 250, Deduct		-2.59	
		For >250 To 500, Deduct		-3.24	
		For >500, Deduct		-3.88	
05 05 23 00-0981	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	54.46	
		For >100 To 250, Deduct		-2.59	
		For >250 To 500, Deduct		-3.24	
		For >500, Deduct		-3.88	
05 05 23 00-0982	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	64.74	
		For >100 To 250, Deduct		-2.64	
		For >250 To 500, Deduct		-3.30	
		For >500, Deduct		-3.95	
05 05 23 00-0983	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	66.24	
		For >100 To 250, Deduct		-2.64	
		For >250 To 500, Deduct		-3.30	
		For >500, Deduct		-3.95	
05 05 23 00-0984	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	67.73	
		For >100 To 250, Deduct		-2.64	
		For >250 To 500, Deduct		-3.30	
		For >500, Deduct		-3.95	
05 05 23 00-0985	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	70.96	
		For >100 To 250, Deduct		-2.68	
		For >250 To 500, Deduct		-3.36	
		For >500, Deduct		-4.03	
05 05 23 00-0986	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	75.55	
		For >100 To 250, Deduct		-2.68	
		For >250 To 500, Deduct		-3.36	
		For >500, Deduct		-4.03	
05 05 23 00-0987	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	96.37	
		For >100 To 250, Deduct		-2.68	
		For >250 To 500, Deduct		-3.36	
		For >500, Deduct		-4.03	
05 05 23 00-0988	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	.....	120.63	
		For >100 To 250, Deduct		-2.68	
		For >250 To 500, Deduct		-3.36	
		For >500, Deduct		-4.03	
05 05 23 00-0989		316 Stainless Steel, Hex Head Bolts (05 05 23 00-0977)			
05 05 23 00-0990		1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)			
05 05 23 00-0991	EA	1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	.....	9.03	
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	
05 05 23 00-0992	EA	1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	.....	9.25	
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	
05 05 23 00-0993	EA	1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	.....	9.41	
		For >100 To 250, Deduct		-1.71	
		For >250 To 500, Deduct		-2.14	
		For >500, Deduct		-2.57	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-0994	EA 2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.52	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-0995	EA 2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.07	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0996	EA 3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.36	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0997	EA 3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.64	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-0998	EA 4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.11	
	For >100 To 250, Deduct	-1.81	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-0999	EA 4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.35	
	For >100 To 250, Deduct	-1.81	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-1000	EA 5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.45	
	For >100 To 250, Deduct	-1.81	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	
05 05 23 00-1001	EA 5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.43	
	For >100 To 250, Deduct	-1.86	
	For >250 To 500, Deduct	-2.32	
	For >500, Deduct	-2.78	
05 05 23 00-1002	EA 6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.63	
	For >100 To 250, Deduct	-1.86	
	For >250 To 500, Deduct	-2.32	
	For >500, Deduct	-2.78	
05 05 23 00-1003	EA 6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	19.92	
	For >100 To 250, Deduct	-1.86	
	For >250 To 500, Deduct	-2.32	
	For >500, Deduct	-2.78	
05 05 23 00-1004	EA 7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	28.99	
	For >100 To 250, Deduct	-1.90	
	For >250 To 500, Deduct	-2.38	
	For >500, Deduct	-2.86	
05 05 23 00-1005	EA 7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	48.45	
	For >100 To 250, Deduct	-1.90	
	For >250 To 500, Deduct	-2.38	
	For >500, Deduct	-2.86	
05 05 23 00-1006	EA 8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	52.89	
	For >100 To 250, Deduct	-1.90	
	For >250 To 500, Deduct	-2.38	
	For >500, Deduct	-2.86	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1008	EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.33	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-1009	EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.58	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-1010	EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.00	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-1011	EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.31	
	For >100 To 250, Deduct	-1.71	
	For >250 To 500, Deduct	-2.14	
	For >500, Deduct	-2.57	
05 05 23 00-1012	EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.69	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-1013	EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.33	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-1014	EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.78	
	For >100 To 250, Deduct	-1.76	
	For >250 To 500, Deduct	-2.20	
	For >500, Deduct	-2.64	
05 05 23 00-1015	EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.21	
	For >100 To 250, Deduct	-1.81	
	For >250 To 500, Deduct	-2.26	
	For >500, Deduct	-2.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1016	EA	5/16"	Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.17	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-1017	EA	5/16"	Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	13.36	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-1018	EA	5/16"	Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.29	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-1019	EA	5/16"	Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	15.03	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-1020	EA	5/16"	Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.24	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-1021	EA	5/16"	Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	30.29	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	

05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)

05 05 23 00-1023	EA	3/8"	Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.99	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-1024	EA	3/8"	Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.09	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-1025	EA	3/8"	Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.48	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-1026	EA	3/8"	Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.40	
			For >100 To 250, Deduct	-1.71	
			For >250 To 500, Deduct	-2.14	
			For >500, Deduct	-2.57	
05 05 23 00-1027	EA	3/8"	Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.97	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-1028	EA	3/8"	Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.14	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-1029	EA	3/8"	Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.95	
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-2.20	
			For >500, Deduct	-2.64	
05 05 23 00-1030	EA	3/8"	Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.30	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-1031	EA	3/8"	Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.81	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-1032	EA	3/8"	Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	14.16	
			For >100 To 250, Deduct	-1.81	
			For >250 To 500, Deduct	-2.26	
			For >500, Deduct	-2.71	
05 05 23 00-1033	EA	3/8"	Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.53	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-1034	EA	3/8"	Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	16.89	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-1035	EA	3/8"	Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.95	
			For >100 To 250, Deduct	-1.86	
			For >250 To 500, Deduct	-2.32	
			For >500, Deduct	-2.78	
05 05 23 00-1036	EA	3/8"	Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	20.64	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	
05 05 23 00-1037	EA	3/8"	Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.26	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.38	
			For >500, Deduct	-2.86	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1038	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	32.33	
			<i>For >100 To 250, Deduct</i>	-1.90	
			<i>For >250 To 500, Deduct</i>	-2.38	
			<i>For >500, Deduct</i>	-2.86	
05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)					
05 05 23 00-1040	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.75	
			<i>For >100 To 250, Deduct</i>	-1.95	
			<i>For >250 To 500, Deduct</i>	-2.44	
			<i>For >500, Deduct</i>	-2.93	
05 05 23 00-1041	EA		7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.33	
			<i>For >100 To 250, Deduct</i>	-1.95	
			<i>For >250 To 500, Deduct</i>	-2.44	
			<i>For >500, Deduct</i>	-2.93	
05 05 23 00-1042	EA		7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.42	
			<i>For >100 To 250, Deduct</i>	-1.95	
			<i>For >250 To 500, Deduct</i>	-2.44	
			<i>For >500, Deduct</i>	-2.93	
05 05 23 00-1043	EA		7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.60	
			<i>For >100 To 250, Deduct</i>	-2.00	
			<i>For >250 To 500, Deduct</i>	-2.50	
			<i>For >500, Deduct</i>	-3.00	
05 05 23 00-1044	EA		7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	16.65	
			<i>For >100 To 250, Deduct</i>	-2.00	
			<i>For >250 To 500, Deduct</i>	-2.50	
			<i>For >500, Deduct</i>	-3.00	
05 05 23 00-1045	EA		7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.37	
			<i>For >100 To 250, Deduct</i>	-2.00	
			<i>For >250 To 500, Deduct</i>	-2.50	
			<i>For >500, Deduct</i>	-3.00	
05 05 23 00-1046	EA		7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	20.26	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-1047	EA		7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.56	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-1048	EA		7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	21.19	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	
05 05 23 00-1049	EA		7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.86	
			<i>For >100 To 250, Deduct</i>	-2.10	
			<i>For >250 To 500, Deduct</i>	-2.63	
			<i>For >500, Deduct</i>	-3.15	
05 05 23 00-1050	EA		7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	22.31	
			<i>For >100 To 250, Deduct</i>	-2.10	
			<i>For >250 To 500, Deduct</i>	-2.63	
			<i>For >500, Deduct</i>	-3.15	
05 05 23 00-1051	EA		7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.76	
			<i>For >100 To 250, Deduct</i>	-2.10	
			<i>For >250 To 500, Deduct</i>	-2.63	
			<i>For >500, Deduct</i>	-3.15	
05 05 23 00-1052	EA		7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	23.35	
			<i>For >100 To 250, Deduct</i>	-2.15	
			<i>For >250 To 500, Deduct</i>	-2.69	
			<i>For >500, Deduct</i>	-3.22	
05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)					
05 05 23 00-1054	EA		1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.72	
			<i>For >100 To 250, Deduct</i>	-1.95	
			<i>For >250 To 500, Deduct</i>	-2.44	
			<i>For >500, Deduct</i>	-2.93	
05 05 23 00-1055	EA		1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.35	
			<i>For >100 To 250, Deduct</i>	-1.95	
			<i>For >250 To 500, Deduct</i>	-2.44	
			<i>For >500, Deduct</i>	-2.93	
05 05 23 00-1056	EA		1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.23	
			<i>For >100 To 250, Deduct</i>	-1.95	
			<i>For >250 To 500, Deduct</i>	-2.44	
			<i>For >500, Deduct</i>	-2.93	
05 05 23 00-1057	EA		1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.52	
			<i>For >100 To 250, Deduct</i>	-2.00	
			<i>For >250 To 500, Deduct</i>	-2.50	
			<i>For >500, Deduct</i>	-3.00	
05 05 23 00-1058	EA		1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	16.49	
			<i>For >100 To 250, Deduct</i>	-2.00	
			<i>For >250 To 500, Deduct</i>	-2.50	
			<i>For >500, Deduct</i>	-3.00	
05 05 23 00-1059	EA		1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.73	
			<i>For >100 To 250, Deduct</i>	-2.00	
			<i>For >250 To 500, Deduct</i>	-2.50	
			<i>For >500, Deduct</i>	-3.00	
05 05 23 00-1060	EA		1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	17.38	
			<i>For >100 To 250, Deduct</i>	-2.05	
			<i>For >250 To 500, Deduct</i>	-2.56	
			<i>For >500, Deduct</i>	-3.08	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1061 EA 1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.25	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.08	
05 05 23 00-1062 EA 1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	23.04	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.08	
05 05 23 00-1063 EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.58	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-1064 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	24.18	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-1065 EA 1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.87	
For >100 To 250, Deduct	-2.10	
For >250 To 500, Deduct	-2.63	
For >500, Deduct	-3.15	
05 05 23 00-1066 EA 1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	32.25	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-1067 EA 1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.28	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-1068 EA 1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	37.64	
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-2.69	
For >500, Deduct	-3.22	
05 05 23 00-1069 EA 1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.79	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-1070 EA 1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	52.52	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-1071 EA 1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.47	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
05 05 23 00-1072 EA 1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	54.93	
For >100 To 250, Deduct	-2.20	
For >250 To 500, Deduct	-2.75	
For >500, Deduct	-3.30	
 05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1074 EA 9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	28.44	
For >100 To 250, Deduct	-1.95	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-2.93	
05 05 23 00-1075 EA 9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.50	
For >100 To 250, Deduct	-1.95	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-2.93	
05 05 23 00-1076 EA 9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	37.41	
For >100 To 250, Deduct	-1.95	
For >250 To 500, Deduct	-2.44	
For >500, Deduct	-2.93	
05 05 23 00-1077 EA 9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.52	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-1078 EA 9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	45.60	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-1079 EA 9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.68	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.00	
05 05 23 00-1080 EA 9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	52.47	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.08	
05 05 23 00-1081 EA 9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.84	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.08	
05 05 23 00-1082 EA 9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	58.82	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.08	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
05 05 23 00-1083	EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt		59.97	
	For >100 To 250, Deduct	-2.10		
	For >250 To 500, Deduct	-2.63		
	For >500, Deduct	-3.15		
05 05 23 00-1084	EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt		62.60	
	For >100 To 250, Deduct	-2.10		
	For >250 To 500, Deduct	-2.63		
	For >500, Deduct	-3.15		
05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)				
05 05 23 00-1086	EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt		17.15	
	For >100 To 250, Deduct	-2.20		
	For >250 To 500, Deduct	-2.75		
	For >500, Deduct	-3.30		
05 05 23 00-1087	EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt		17.33	
	For >100 To 250, Deduct	-2.20		
	For >250 To 500, Deduct	-2.75		
	For >500, Deduct	-3.30		
05 05 23 00-1088	EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt		17.39	
	For >100 To 250, Deduct	-2.20		
	For >250 To 500, Deduct	-2.75		
	For >500, Deduct	-3.30		
05 05 23 00-1089	EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt		18.81	
	For >100 To 250, Deduct	-2.25		
	For >250 To 500, Deduct	-2.81		
	For >500, Deduct	-3.37		
05 05 23 00-1090	EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt		20.02	
	For >100 To 250, Deduct	-2.25		
	For >250 To 500, Deduct	-2.81		
	For >500, Deduct	-3.37		
05 05 23 00-1091	EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt		23.86	
	For >100 To 250, Deduct	-2.25		
	For >250 To 500, Deduct	-2.81		
	For >500, Deduct	-3.37		
05 05 23 00-1092	EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt		24.91	
	For >100 To 250, Deduct	-2.29		
	For >250 To 500, Deduct	-2.87		
	For >500, Deduct	-3.44		
05 05 23 00-1093	EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt		28.27	
	For >100 To 250, Deduct	-2.29		
	For >250 To 500, Deduct	-2.87		
	For >500, Deduct	-3.44		
05 05 23 00-1094	EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt		29.44	
	For >100 To 250, Deduct	-2.29		
	For >250 To 500, Deduct	-2.87		
	For >500, Deduct	-3.44		
05 05 23 00-1095	EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt		31.89	
	For >100 To 250, Deduct	-2.34		
	For >250 To 500, Deduct	-2.93		
	For >500, Deduct	-3.51		
05 05 23 00-1096	EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt		32.84	
	For >100 To 250, Deduct	-2.34		
	For >250 To 500, Deduct	-2.93		
	For >500, Deduct	-3.51		
05 05 23 00-1097	EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt		38.73	
	For >100 To 250, Deduct	-2.34		
	For >250 To 500, Deduct	-2.93		
	For >500, Deduct	-3.51		
05 05 23 00-1098	EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt		41.10	
	For >100 To 250, Deduct	-2.39		
	For >250 To 500, Deduct	-2.99		
	For >500, Deduct	-3.59		
05 05 23 00-1099	EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt		41.85	
	For >100 To 250, Deduct	-2.39		
	For >250 To 500, Deduct	-2.99		
	For >500, Deduct	-3.59		
05 05 23 00-1100	EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt		44.60	
	For >100 To 250, Deduct	-2.39		
	For >250 To 500, Deduct	-2.99		
	For >500, Deduct	-3.59		
05 05 23 00-1101	EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt		47.32	
	For >100 To 250, Deduct	-2.44		
	For >250 To 500, Deduct	-3.05		
	For >500, Deduct	-3.66		
05 05 23 00-1102	EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt		49.65	
	For >100 To 250, Deduct	-2.44		
	For >250 To 500, Deduct	-3.05		
	For >500, Deduct	-3.66		
05 05 23 00-1103	EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt		60.77	
	For >100 To 250, Deduct	-2.44		
	For >250 To 500, Deduct	-3.05		
	For >500, Deduct	-3.66		
05 05 23 00-1104	EA 5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt		72.66	
	For >100 To 250, Deduct	-2.44		
	For >250 To 500, Deduct	-3.05		
	For >500, Deduct	-3.66		
05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1106	EA	3/4"	Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....21.83		
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.30	
05 05 23 00-1107	EA	3/4"	Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....22.24		
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.30	
05 05 23 00-1108	EA	3/4"	Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....23.84		
			For >100 To 250, Deduct	-2.20	
			For >250 To 500, Deduct	-2.75	
			For >500, Deduct	-3.30	
05 05 23 00-1109	EA	3/4"	Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....25.49		
			For >100 To 250, Deduct	-2.25	
			For >250 To 500, Deduct	-2.81	
			For >500, Deduct	-3.37	
05 05 23 00-1110	EA	3/4"	Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....28.48		
			For >100 To 250, Deduct	-2.25	
			For >250 To 500, Deduct	-2.81	
			For >500, Deduct	-3.37	
05 05 23 00-1111	EA	3/4"	Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....30.21		
			For >100 To 250, Deduct	-2.25	
			For >250 To 500, Deduct	-2.81	
			For >500, Deduct	-3.37	
05 05 23 00-1112	EA	3/4"	Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....34.14		
			For >100 To 250, Deduct	-2.29	
			For >250 To 500, Deduct	-2.87	
			For >500, Deduct	-3.44	
05 05 23 00-1113	EA	3/4"	Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....35.67		
			For >100 To 250, Deduct	-2.29	
			For >250 To 500, Deduct	-2.87	
			For >500, Deduct	-3.44	
05 05 23 00-1114	EA	3/4"	Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....36.50		
			For >100 To 250, Deduct	-2.29	
			For >250 To 500, Deduct	-2.87	
			For >500, Deduct	-3.44	
05 05 23 00-1115	EA	3/4"	Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....37.87		
			For >100 To 250, Deduct	-2.34	
			For >250 To 500, Deduct	-2.93	
			For >500, Deduct	-3.51	
05 05 23 00-1116	EA	3/4"	Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....39.78		
			For >100 To 250, Deduct	-2.34	
			For >250 To 500, Deduct	-2.93	
			For >500, Deduct	-3.51	
05 05 23 00-1117	EA	3/4"	Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....45.67		
			For >100 To 250, Deduct	-2.34	
			For >250 To 500, Deduct	-2.93	
			For >500, Deduct	-3.51	
05 05 23 00-1118	EA	3/4"	Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....54.44		
			For >100 To 250, Deduct	-2.39	
			For >250 To 500, Deduct	-2.99	
			For >500, Deduct	-3.59	
05 05 23 00-1119	EA	3/4"	Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....61.07		
			For >100 To 250, Deduct	-2.39	
			For >250 To 500, Deduct	-2.99	
			For >500, Deduct	-3.59	
05 05 23 00-1120	EA	3/4"	Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....62.07		
			For >100 To 250, Deduct	-2.39	
			For >250 To 500, Deduct	-2.99	
			For >500, Deduct	-3.59	
05 05 23 00-1121	EA	3/4"	Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....66.30		
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-3.05	
			For >500, Deduct	-3.66	
05 05 23 00-1122	EA	3/4"	Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....76.36		
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-3.05	
			For >500, Deduct	-3.66	
05 05 23 00-1123	EA	3/4"	Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....77.22		
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-3.05	
			For >500, Deduct	-3.66	
05 05 23 00-1124	EA	3/4"	Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....79.34		
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-3.05	
			For >500, Deduct	-3.66	
05 05 23 00-1125			7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)		
05 05 23 00-1126	EA	7/8"	Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....24.56		
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-3.05	
			For >500, Deduct	-3.66	
05 05 23 00-1127	EA	7/8"	Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....27.33		
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-3.05	
			For >500, Deduct	-3.66	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	29.08		
		For >100 To 250, Deduct	-2.49		
		For >250 To 500, Deduct	-3.11		
		For >500, Deduct	-3.74		
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	32.96		
		For >100 To 250, Deduct	-2.49		
		For >250 To 500, Deduct	-3.11		
		For >500, Deduct	-3.74		
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.69		
		For >100 To 250, Deduct	-2.49		
		For >250 To 500, Deduct	-3.11		
		For >500, Deduct	-3.74		
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	36.45		
		For >100 To 250, Deduct	-2.54		
		For >250 To 500, Deduct	-3.17		
		For >500, Deduct	-3.81		
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.80		
		For >100 To 250, Deduct	-2.54		
		For >250 To 500, Deduct	-3.17		
		For >500, Deduct	-3.81		
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	44.08		
		For >100 To 250, Deduct	-2.54		
		For >250 To 500, Deduct	-3.17		
		For >500, Deduct	-3.81		
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.46		
		For >100 To 250, Deduct	-2.59		
		For >250 To 500, Deduct	-3.24		
		For >500, Deduct	-3.88		
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	46.21		
		For >100 To 250, Deduct	-2.59		
		For >250 To 500, Deduct	-3.24		
		For >500, Deduct	-3.88		
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.98		
		For >100 To 250, Deduct	-2.59		
		For >250 To 500, Deduct	-3.24		
		For >500, Deduct	-3.88		
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	67.73		
		For >100 To 250, Deduct	-2.64		
		For >250 To 500, Deduct	-3.30		
		For >500, Deduct	-3.95		
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	74.74		
		For >100 To 250, Deduct	-2.64		
		For >250 To 500, Deduct	-3.30		
		For >500, Deduct	-3.95		
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	78.20		
		For >100 To 250, Deduct	-2.64		
		For >250 To 500, Deduct	-3.30		
		For >500, Deduct	-3.95		
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	82.92		
		For >100 To 250, Deduct	-2.68		
		For >250 To 500, Deduct	-3.36		
		For >500, Deduct	-4.03		
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	85.92		
		For >100 To 250, Deduct	-2.68		
		For >250 To 500, Deduct	-3.36		
		For >500, Deduct	-4.03		
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	88.90		
		For >100 To 250, Deduct	-2.68		
		For >250 To 500, Deduct	-3.36		
		For >500, Deduct	-4.03		
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	92.25		
		For >100 To 250, Deduct	-2.68		
		For >250 To 500, Deduct	-3.36		
		For >500, Deduct	-4.03		
05 05 23 00-1144		1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)			
05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	30.64		
		For >100 To 250, Deduct	-2.44		
		For >250 To 500, Deduct	-3.05		
		For >500, Deduct	-3.66		
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.15		
		For >100 To 250, Deduct	-2.49		
		For >250 To 500, Deduct	-3.11		
		For >500, Deduct	-3.74		
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	38.01		
		For >100 To 250, Deduct	-2.49		
		For >250 To 500, Deduct	-3.11		
		For >500, Deduct	-3.74		
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.57		
		For >100 To 250, Deduct	-2.49		
		For >250 To 500, Deduct	-3.11		
		For >500, Deduct	-3.74		
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	44.44		
		For >100 To 250, Deduct	-2.54		
		For >250 To 500, Deduct	-3.17		
		For >500, Deduct	-3.81		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1150	EA		1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.53	
			For >100 To 250, Deduct	-2.54	
			For >250 To 500, Deduct	-3.17	
			For >500, Deduct	-3.81	
05 05 23 00-1151	EA		1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	50.65	
			For >100 To 250, Deduct	-2.54	
			For >250 To 500, Deduct	-3.17	
			For >500, Deduct	-3.81	
05 05 23 00-1152	EA		1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	54.04	
			For >100 To 250, Deduct	-2.59	
			For >250 To 500, Deduct	-3.24	
			For >500, Deduct	-3.88	
05 05 23 00-1153	EA		1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	62.11	
			For >100 To 250, Deduct	-2.59	
			For >250 To 500, Deduct	-3.24	
			For >500, Deduct	-3.88	
05 05 23 00-1154	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	70.06	
			For >100 To 250, Deduct	-2.59	
			For >250 To 500, Deduct	-3.24	
			For >500, Deduct	-3.88	
05 05 23 00-1155	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	81.18	
			For >100 To 250, Deduct	-2.64	
			For >250 To 500, Deduct	-3.30	
			For >500, Deduct	-3.95	
05 05 23 00-1156	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	90.33	
			For >100 To 250, Deduct	-2.64	
			For >250 To 500, Deduct	-3.30	
			For >500, Deduct	-3.95	
05 05 23 00-1157	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	91.65	
			For >100 To 250, Deduct	-2.64	
			For >250 To 500, Deduct	-3.30	
			For >500, Deduct	-3.95	
05 05 23 00-1158	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	94.88	
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-3.36	
			For >500, Deduct	-4.03	
05 05 23 00-1159	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	96.13	
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-3.36	
			For >500, Deduct	-4.03	
05 05 23 00-1160	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	111.32	
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-3.36	
			For >500, Deduct	-4.03	
05 05 23 00-1161	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	125.98	
			For >100 To 250, Deduct	-2.68	
			For >250 To 500, Deduct	-3.36	
			For >500, Deduct	-4.03	
05 05 23 00-1162	Screws (05 05 23)				
05 05 23 00-1163	Teks® 5 Self Drilling Screws (05 05 23 00-1162)				
	Note: Includes Climaseal® finish, self-drill point and tapping threads.				
05 05 23 00-1164	EA		12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.61	
			For >10 To 50, Deduct	-0.20	
			For >50 To 100, Deduct	-0.42	
			For >100, Deduct	-0.84	
05 05 23 00-1165	EA		12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.80	
			For >10 To 50, Deduct	-0.20	
			For >50 To 100, Deduct	-0.43	
			For >100, Deduct	-0.85	
05 05 23 00-1166	EA		12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	5.35	
			For >10 To 50, Deduct	-0.22	
			For >50 To 100, Deduct	-0.46	
			For >100, Deduct	-0.92	
05 05 23 00-1167	EA		1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.34	
			For >10 To 50, Deduct	-0.27	
			For >50 To 100, Deduct	-0.59	
			For >100, Deduct	-1.18	
05 05 23 00-1168	EA		1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.83	
			For >10 To 50, Deduct	-0.28	
			For >50 To 100, Deduct	-0.62	
			For >100, Deduct	-1.25	
05 05 23 00-1169	EA		1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	9.65	
			For >10 To 50, Deduct	-0.30	
			For >50 To 100, Deduct	-0.69	
			For >100, Deduct	-1.38	
05 05 23 00-1170	EA		1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	10.77	
			For >10 To 50, Deduct	-0.31	
			For >50 To 100, Deduct	-0.74	
			For >100, Deduct	-1.47	
05 05 23 00-1171	Security Screws (05 05 23 00-1162)				
05 05 23 00-1172	304/18-8 Stainless Steel, Security Screws (05 05 23 00-1171)				
	Note: Includes "security" style drive in machine or sheet metal screw threads.				

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1173	EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.57	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.35	
	For >100, Deduct	-0.69	
05 05 23 00-1174	EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.00	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.36	
	For >100, Deduct	-0.71	
05 05 23 00-1175	EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.37	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.37	
	For >100, Deduct	-0.73	
05 05 23 00-1176	EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.49	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.37	
	For >100, Deduct	-0.74	
05 05 23 00-1177	EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.73	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.37	
	For >100, Deduct	-0.75	
05 05 23 00-1178	EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.10	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.36	
	For >100, Deduct	-0.72	
05 05 23 00-1179	EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.27	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.36	
	For >100, Deduct	-0.73	
05 05 23 00-1180	EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.64	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.37	
	For >100, Deduct	-0.74	
05 05 23 00-1181	EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.75	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.37	
	For >100, Deduct	-0.75	
05 05 23 00-1182	EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.21	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.36	
	For >100, Deduct	-0.72	
05 05 23 00-1183	EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.25	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.36	
	For >100, Deduct	-0.72	
05 05 23 00-1184	EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.41	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.37	
	For >100, Deduct	-0.73	
05 05 23 00-1185	EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.91	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.38	
	For >100, Deduct	-0.76	
05 05 23 00-1186	EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.49	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.37	
	For >100, Deduct	-0.74	
05 05 23 00-1187	EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.61	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.37	
	For >100, Deduct	-0.74	
05 05 23 00-1188	EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.08	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.38	
	For >100, Deduct	-0.77	
05 05 23 00-1189	EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.83	
	For >10 To 50, Deduct	-0.17	
	For >50 To 100, Deduct	-0.40	
	For >100, Deduct	-0.80	

05 05 23 00-1190 Threaded Rod (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod (05 05 23 00-1190)

05 05 23 00-1192	LF 1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.39	0.57
	For Left Hand Threaded Rod, Add	0.12	
05 05 23 00-1193	LF 5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.14	0.63
	For Left Hand Threaded Rod, Add	0.19	
05 05 23 00-1194	LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.64	0.73
	For Left Hand Threaded Rod, Add	0.22	
05 05 23 00-1195	LF 7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.92	0.74
	For Left Hand Threaded Rod, Add	0.34	
05 05 23 00-1196	LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.03	0.77
	For Left Hand Threaded Rod, Add	0.35	
05 05 23 00-1197	LF 9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.24	0.78
	For Left Hand Threaded Rod, Add	0.47	
05 05 23 00-1198	LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.02	0.79
	For Left Hand Threaded Rod, Add	0.54	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	11.52 0.99	0.82
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	12.55 1.09	0.85
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	17.18 1.53	0.95
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	21.37 1.93	1.06
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	28.36 2.60	1.15
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	35.28 3.28	1.25
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	42.19 3.96	1.30
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	51.75 4.90	1.36
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	66.09 6.32	1.43
05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod (05 05 23 00-1190)				
05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	2.41 0.13	0.57
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.55 0.23	0.63
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.95 0.25	0.73
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.69 0.42	0.74
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	6.12 0.46	0.77
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	8.01 0.65	0.78
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	8.51 0.69	0.79
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	12.80 1.12	0.82
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.57 1.49	0.85
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	22.24 2.03	0.95
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	28.70 2.66	1.06
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	34.25 3.19	1.15
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	38.93 3.64	1.25
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	49.01 4.64	1.30
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	60.73 5.80	1.36
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	88.61 8.58	1.43
05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod (05 05 23 00-1190)				
05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	6.50 0.51	0.73
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	9.10 0.76	0.77
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	12.28 1.07	0.79
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.86 1.52	0.82
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	23.33 2.17	0.85
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	30.10 2.82	0.95
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	39.60 3.75	1.06
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	52.08 4.97	1.15
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	58.20 5.57	1.25
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	69.27 6.67	1.30
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	84.17 8.14	1.36
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	146.89 14.40	1.43
05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod (05 05 23 00-1190)				
05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	3.41 0.23	0.57
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	5.12 0.39	0.63

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 05 23 00-1241	LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	6.58 0.52		0.73
05 05 23 00-1242	LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	9.14 0.77		0.74
05 05 23 00-1243	LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	10.96 0.94		0.77
05 05 23 00-1244	LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	15.75 1.42		0.78
05 05 23 00-1245	LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.45 1.49		0.79
05 05 23 00-1246	LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	23.03 2.14		0.82
05 05 23 00-1247	LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	31.67 3.00		0.85
05 05 23 00-1248	LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	40.63 3.87		0.95
05 05 23 00-1249	LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	85.99 8.36		1.15
05 05 23 00-1250	LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	130.91 12.83		1.30
05 05 23 00-1251	LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	134.67 13.19		1.36
05 05 23 00-1252	LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	186.33 18.35		1.43
05 05 23 00-1253 316 Stainless Steel Threaded Rod (05 05 23 00-1190)				
05 05 23 00-1254	LF 1/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	4.93 0.38		0.57
05 05 23 00-1255	LF 5/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	7.93 0.67		0.63
05 05 23 00-1256	LF 3/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	10.52 0.91		0.73
05 05 23 00-1257	LF 7/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	16.43 1.50		0.74
05 05 23 00-1258	LF 1/2" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	17.42 1.59		0.77
05 05 23 00-1259	LF 9/16" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	22.85 2.13		0.78
05 05 23 00-1260	LF 5/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	24.59 2.30		0.79
05 05 23 00-1261	LF 3/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	35.85 3.42		0.82
05 05 23 00-1262	LF 7/8" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	49.07 4.74		0.85
05 05 23 00-1263	LF 1" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	62.10 6.02		0.95
05 05 23 00-1264	LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	131.09 12.87		1.15
05 05 23 00-1265	LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod <i>For Left Hand Threaded Rod, Add</i>	171.81 16.92		1.30
05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod (05 05 23 00-1190)				
05 05 23 00-1267	LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	4.14 1.50		0.57
05 05 23 00-1268	LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	6.39 2.57		0.63
05 05 23 00-1269	LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	6.68 2.63		0.73
05 05 23 00-1270	LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	7.30 2.91		0.74
05 05 23 00-1271	LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	8.04 3.26		0.77
05 05 23 00-1272	LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	10.05 4.25		0.78
05 05 23 00-1273	LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	10.37 4.40		0.79
05 05 23 00-1274	LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	13.79 6.08		0.82
05 05 23 00-1275	LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	16.53 7.43		0.85
05 05 23 00-1276	LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	21.45 9.77		0.95
05 05 23 00-1277	LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	27.92 12.90		1.06
05 05 23 00-1278	LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	31.08 14.35		1.15
05 05 23 00-1279	LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	35.87 16.69		1.25
05 05 23 00-1280	LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	43.63 20.52		1.30
05 05 23 00-1281	LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	45.11 21.19		1.36
05 05 23 00-1282	LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod <i>For Zinc Plating, Add</i>	60.56 28.85		1.43

05 05 23 00-1283	Nuts And Washers (05 05 23)			
05 05 23 00-1284	Hex Nuts (05 05 23 00-1283)			
05 05 23 00-1285	Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)			
05 05 23 00-1286	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.74	0.34
05 05 23 00-1287	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.82	0.34
05 05 23 00-1288	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.88	0.34
05 05 23 00-1289	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.01	0.34
05 05 23 00-1290	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.09	0.34
05 05 23 00-1291	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.40	0.34
05 05 23 00-1292	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.45	0.34
05 05 23 00-1293	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.70	0.67
05 05 23 00-1294	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.42	0.67
05 05 23 00-1295	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.06	0.67
05 05 23 00-1296	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	4.91	0.67
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.98	0.67
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	8.71	0.67
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	10.05	1.02
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	14.66	1.02
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	21.08	1.02
05 05 23 00-1302	Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)			
05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.76	0.34
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.83	0.34
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.91	0.34
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.04	0.34
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.20	0.34
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.43	0.34
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.48	0.34
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.90	0.67
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.63	0.67
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	3.67	0.67
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	5.52	0.67
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	7.74	0.67
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	11.28	0.67
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	12.44	1.02
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	22.26	1.02
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	31.81	1.02
05 05 23 00-1319	Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)			
05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.77	0.34
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.88	0.34
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.96	0.34
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.17	0.34
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.38	0.34
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.63	0.34
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.85	0.34
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	2.27	0.67
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	3.34	0.67
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	4.42	0.67
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	6.84	0.67
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	8.50	0.67
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	13.88	0.67
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	14.71	1.02
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	22.32	1.02
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	31.46	1.02
05 05 23 00-1336	Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)			
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.77	0.34
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.86	0.34
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.94	0.34
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.15	0.34
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.31	0.34
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.44	0.34
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.59	0.34
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.09	0.67
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.97	0.67
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	4.05	0.67
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	6.62	0.67
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	8.45	0.67
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	12.45	0.67
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	14.49	1.02
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	25.11	1.02
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	43.25	1.02
05 05 23 00-1353	304 Stainless Steel Hex Nuts (05 05 23 00-1284)			
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.85	0.34
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut.....	1.00	0.34
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut.....	1.12	0.34

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut.....	1.62	0.34
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut.....	1.75	0.34
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut.....	2.61	0.34
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut.....	2.91	0.34
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut.....	3.33	0.67
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut.....	5.38	0.67
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut.....	8.20	0.67
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut.....	19.52	0.67
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut.....	37.37	1.02
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut.....	65.57	1.02
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut.....	93.38	1.02

05 05 23 00-1368 316 Stainless Steel Hex Nuts (05 05 23 00-1284)

05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut.....	0.98	0.34
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut.....	1.12	0.34
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut.....	1.32	0.34
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut.....	2.10	0.34
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut.....	2.25	0.34
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut.....	3.03	0.34
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut.....	3.42	0.34
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut.....	4.72	0.67
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut.....	6.52	0.67
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut.....	10.01	0.67
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	30.18	0.67
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	48.72	1.02
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	82.12	1.02
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut.....	152.49	1.02

05 05 23 00-1383 Flat Washers (05 05 23 00-1283)**05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers (05 05 23 00-1383)**

05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.05	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.07	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.13	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.20	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.29	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.33	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.56	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.81	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.96	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.18	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.33	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.59	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.50	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.56	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.79	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	4.71	

05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.17	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.24	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.27	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.37	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.50	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.81	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.16	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.63	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.72	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.02	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.39	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.79	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	6.32	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.22	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	9.71	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	11.65	

05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.11	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.16	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.18	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.34	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.43	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.71	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.79	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.20	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.70	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.86	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.85	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.17	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	4.53	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	4.90	

05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	7.12	
05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)				
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.14	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.19	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.27	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.49	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.90	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.12	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.64	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.67	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.53	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.47	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.20	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.60	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.92	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.22	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	8.97	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	17.62	
05 05 23 00-1451 316 Stainless Steel Flat Washers (05 05 23 00-1383)				
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.27	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.30	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.53	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.63	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	1.16	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	2.09	
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	2.47	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	3.11	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	4.81	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	5.38	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	6.13	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	7.55	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	7.98	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	8.16	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	11.96	
05 05 23 00-1467 Lock Washers (05 05 23 00-1283)				
05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)				
05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.03	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.05	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.08	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11	
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19	
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.21	
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.32	
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.54	
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.96	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.41	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.16	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	3.42	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.02	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	7.18	
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.09	
05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers (05 05 23 00-1467)				
05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09	
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.11	
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14	
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.15	
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.24	
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.31	
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.37	
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.62	
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.89	
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.41	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.55	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.04	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	4.39	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.02	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	6.79	
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	9.25	
05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers (05 05 23 00-1467)				
05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.12	
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.16	
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.23	
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.43	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.48
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.15
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.36
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.58
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	2.87
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	4.05
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	7.07
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	9.40
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	11.96
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	14.35

05 05 23 00-1517 316 Stainless Steel Lock Washers (05 05 23 00-1467)

05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.14
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.31
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.36
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.62
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.69
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.23
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.35
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	2.33
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	3.86
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer.....	5.25
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	7.32
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	11.27
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	20.18
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	22.40

05 05 23 00-1532 Load Indicating Washers (05 05 23 00-1283)**05 05 23 00-1533 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)** (05 05 23 00-1532)**05 05 23 00-1534 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)** (05 05 23 00-1533)

05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.34
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.65
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.86
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.25
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.92
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	6.52
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	8.42
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	10.75
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	11.83

05 05 23 00-1544 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)

05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.96
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.30
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.21
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.92
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.65
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	7.00
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	8.81
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	12.54
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	13.79

05 05 23 00-1554 Beveled Washers (05 05 23 00-1283)**05 05 23 00-1555 Plain Finish, Square Beveled Structural Washers (ASTM F436)** (05 05 23 00-1554)

05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.87
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.95
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.04
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.90
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	5.16

05 05 23 00-1561 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)

05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	5.56
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	5.81
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	5.81
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.15
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.54

05 05 23 00-1567 Drilling In Existing Steel Plates (05 05 23)

05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	23.22
		For Aluminum, Deduct.....	-2.32
		For Stainless Steel, Add.....	2.90
		For >5 To 10, Deduct.....	-2.32
		For >10 To 25, Deduct.....	-5.81
		For >25 To 50, Deduct.....	-8.13
		For >50, Deduct.....	-11.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1569	EA		>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	27.31	
			For Aluminum, Deduct	-2.73	
			For Stainless Steel, Add	3.41	
			For >5 To 10, Deduct	-2.73	
			For >10 To 25, Deduct	-6.83	
			For >25 To 50, Deduct	-9.56	
			For >50, Deduct	-13.66	
05 05 23 00-1570	EA		>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	32.78	
			For Aluminum, Deduct	-3.28	
			For Stainless Steel, Add	4.10	
			For >5 To 10, Deduct	-3.28	
			For >10 To 25, Deduct	-8.20	
			For >25 To 50, Deduct	-11.47	
			For >50, Deduct	-16.39	
05 05 23 00-1571	EA		>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	38.24	
			For Aluminum, Deduct	-3.82	
			For Stainless Steel, Add	4.78	
			For >5 To 10, Deduct	-3.82	
			For >10 To 25, Deduct	-9.56	
			For >25 To 50, Deduct	-13.38	
			For >50, Deduct	-19.12	
05 05 23 00-1572	EA		>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	51.22	
			For Aluminum, Deduct	-5.12	
			For Stainless Steel, Add	6.40	
			For >5 To 10, Deduct	-5.12	
			For >10 To 25, Deduct	-12.81	
			For >25 To 50, Deduct	-17.93	
			For >50, Deduct	-25.61	
05 05 23 00-1573	EA		Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	27.31	
			For Aluminum, Deduct	-2.73	
			For Stainless Steel, Add	3.41	
			For >5 To 10, Deduct	-2.73	
			For >10 To 25, Deduct	-6.83	
			For >25 To 50, Deduct	-9.56	
			For >50, Deduct	-13.66	
05 05 23 00-1574	EA		>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	34.14	
			For Aluminum, Deduct	-3.41	
			For Stainless Steel, Add	4.27	
			For >5 To 10, Deduct	-3.41	
			For >10 To 25, Deduct	-8.54	
			For >25 To 50, Deduct	-11.95	
			For >50, Deduct	-17.07	
05 05 23 00-1575	EA		>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	40.97	
			For Aluminum, Deduct	-4.10	
			For Stainless Steel, Add	5.12	
			For >5 To 10, Deduct	-4.10	
			For >10 To 25, Deduct	-10.24	
			For >25 To 50, Deduct	-14.34	
			For >50, Deduct	-20.49	
05 05 23 00-1576	EA		>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	51.22	
			For Aluminum, Deduct	-5.12	
			For Stainless Steel, Add	6.40	
			For >5 To 10, Deduct	-5.12	
			For >10 To 25, Deduct	-12.81	
			For >25 To 50, Deduct	-17.93	
			For >50, Deduct	-25.61	
05 05 23 00-1577	EA		Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	34.14	
			For Aluminum, Deduct	-3.41	
			For Stainless Steel, Add	4.27	
			For >5 To 10, Deduct	-3.41	
			For >10 To 25, Deduct	-8.54	
			For >25 To 50, Deduct	-11.95	
			For >50, Deduct	-17.07	
05 05 23 00-1578	EA		>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	45.07	
			For Aluminum, Deduct	-4.51	
			For Stainless Steel, Add	5.63	
			For >5 To 10, Deduct	-4.51	
			For >10 To 25, Deduct	-11.27	
			For >25 To 50, Deduct	-15.77	
			For >50, Deduct	-22.54	
05 05 23 00-1579	EA		>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	54.64	
			For Aluminum, Deduct	-5.46	
			For Stainless Steel, Add	6.83	
			For >5 To 10, Deduct	-5.46	
			For >10 To 25, Deduct	-13.66	
			For >25 To 50, Deduct	-19.12	
			For >50, Deduct	-27.32	
05 05 23 00-1580			Cutting Existing Steel With Torch (05 05 23)		
05 05 23 00-1581	LF		Torch Cutting, Milled Steel Up To 1/4" Thick	7.15	
05 05 23 00-1582			Welded Stud Anchors (05 05 23)		
05 05 23 00-1583	EA		1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.46	
05 05 23 00-1584	EA		2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.56	
05 05 23 00-1585	EA		3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.60	
05 05 23 00-1586	EA		4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.64	
05 05 23 00-1587	EA		1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.39	
05 05 23 00-1588	EA		1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.62	

05 Metals**05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1589	EA	2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.86
05 05 23 00-1590	EA	2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.98
05 05 23 00-1591	EA	3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.11
05 05 23 00-1592	EA	4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.59
05 05 23 00-1593	EA	5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.99
05 05 23 00-1594	EA	6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.31
05 05 23 00-1595	EA	1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.40
05 05 23 00-1596	EA	1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.43
05 05 23 00-1597	EA	2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.79
05 05 23 00-1598	EA	2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.14
05 05 23 00-1599	EA	3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.57
05 05 23 00-1600	EA	4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.23
05 05 23 00-1601	EA	5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.66
05 05 23 00-1602	EA	6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	8.83
05 05 23 00-1603	EA	8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	11.03
05 05 23 00-1604	EA	2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.67
05 05 23 00-1605	EA	3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.23
05 05 23 00-1606	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.68
05 05 23 00-1607	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.14
05 05 23 00-1608	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.51
05 05 23 00-1609	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.85
05 05 23 00-1610	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.30
05 05 23 00-1611	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	12.19
05 05 23 00-1612	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	14.80

05 05 23 00-1613 Welded Shear Stud Connector (05 05 23)**05 05 23 00-1614 3/4" Diameter Welded Shear Stud Connector** (05 05 23 00-1613)

05 05 23 00-1615	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	9.82
05 05 23 00-1616	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	10.22
05 05 23 00-1617	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	10.33
05 05 23 00-1618	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	10.38
05 05 23 00-1619	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	10.83
05 05 23 00-1620	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	11.66
05 05 23 00-1621	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	19.66
05 05 23 00-1622	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	12.62
05 05 23 00-1623	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	14.08
05 05 23 00-1624	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	18.41
05 05 23 00-1625	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	18.86
05 05 23 00-1626	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	20.46
05 05 23 00-1627	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	27.16

05 05 23 00-1628 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1613)

05 05 23 00-1629	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	11.82
05 05 23 00-1630	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	12.46
05 05 23 00-1631	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	13.09
05 05 23 00-1632	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	14.93
05 05 23 00-1633	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	19.39
05 05 23 00-1634	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	21.34
05 05 23 00-1635	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	23.25
05 05 23 00-1636	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	28.62

05 05 23 00-1637 1" Diameter Welded Shear Stud Connector (05 05 23 00-1613)

05 05 23 00-1638	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector.....	15.99
05 05 23 00-1639	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector.....	17.96
05 05 23 00-1640	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector.....	20.86
05 05 23 00-1641	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector.....	26.65
05 05 23 00-1642	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector.....	29.68
05 05 23 00-1643	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector.....	32.71

05 10 Structural Metal Framing (05)**05 12 Structural Steel Framing** (05 10)**05 12 23 Structural Steel for Buildings** (05 12)

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members (05 12 23)

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)

Note: For one and two story I beams and W shapes and HP shapes.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0003		TON	Up To 30 Lb./LF Beams, Girders And Columns..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	10,882.62 644.46 2,255.63 -684.74 -1,409.77 -2,013.95 -1,006.98	1,366.41
05 12 23 00-0004		TON	>30-65 Lb./LF Beams, Girders And Columns..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	7,553.74 528.92 1,851.21 -561.97 -1,157.01 -1,652.87 -826.43	883.29
05 12 23 00-0005		TON	>65-100 Lb./LF Beams, Girders And Columns..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	6,399.58 469.56 1,643.48 -498.91 -1,027.17 -1,467.39 -733.70	496.90
05 12 23 00-0006		TON	>100-300 Lb./LF Beams, Girders And Columns..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	4,295.21 321.00 1,123.51 -341.07 -702.19 -1,003.13 -501.57	264.49
05 12 23 00-0007			Trusses, Built-Up (05 12 23 00-0001)		
05 12 23 00-0008		TON	Built-Up Trusses, Rolled Structural Steel Members..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	8,014.84 561.93 1,966.76 -597.05 -1,229.22 -1,756.03 -878.02	929.27
05 12 23 00-0009			Shapes (05 12 23 00-0001)		
05 12 23 00-0010			Rolled Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0011		TON	Up To 10 Lb./LF Rolled Shape Steel Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	15,867.31 930.70 3,257.44 -988.87 -2,035.90 -2,908.43 -1,454.22	2,540.15
05 12 23 00-0012		TON	>10 To 20 Lb./LF Rolled Shape Steel Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	13,955.67 890.31 3,116.08 -945.95 -1,947.55 -2,782.22 -1,391.11	1,490.70
05 12 23 00-0013		TON	>20 To 58 Lb./LF Rolled Shape Steel Angles..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	10,732.01 783.19 2,741.17 -832.14 -1,713.23 -2,447.47 -1,223.74	883.29
05 12 23 00-0014			Rolled C, MC Steel Channels (05 12 23 00-0009)		
05 12 23 00-0015		TON	Up To 10 Lb./LF Rolled C, MC Steel Channels..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	17,282.57 916.65 3,208.27 -973.94 -2,005.17 -2,864.53 -1,432.26	3,478.30
05 12 23 00-0016		TON	>10 To 20 Rolled C, MC Steel Channels..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	13,802.01 878.02 3,073.06 -932.89 -1,920.66 -2,743.80 -1,371.90	2,650.13
05 12 23 00-0017		TON	>20 To 58 Lb./LF Rolled C, MC Steel Channels..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	10,556.41 769.14 2,692.00 -817.21 -1,682.50 -2,403.57 -1,201.79	883.29

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0018 Double L Shape Steel Angles (05 12 23 00-0009)			
05 12 23 00-0019	TON Up To 20 Lb./LF Double L Shape Steel Angles	14,722.71	2,015.43
	For ASTM A242 Type 2 High Strength Steel, Add	895.58	
	For Hot Dip Galvanizing, Add	3,134.52	
	For >10 To 25 Tons, Deduct	-951.55	
	For >25 To 50 Tons, Deduct	-1,959.07	
	For >50 To 75 Tons, Deduct	-2,798.68	
	For >75 Tons, Deduct	-1,399.34	
05 12 23 00-0020	TON >20 To 50 Lb./LF Double L Shape Steel Angles	11,478.33	883.29
	For ASTM A242 Type 2 High Strength Steel, Add	842.90	
	For Hot Dip Galvanizing, Add	2,950.14	
	For >10 To 25 Tons, Deduct	-895.58	
	For >25 To 50 Tons, Deduct	-1,843.84	
	For >50 To 75 Tons, Deduct	-2,634.05	
	For >75 Tons, Deduct	-1,317.03	
05 12 23 00-0021	TON >50 To 80 Lb./LF Double L Shape Steel Angles	8,651.67	496.90
	For ASTM A242 Type 2 High Strength Steel, Add	649.73	
	For Hot Dip Galvanizing, Add	2,274.06	
	For >10 To 25 Tons, Deduct	-690.34	
	For >25 To 50 Tons, Deduct	-1,421.29	
	For >50 To 75 Tons, Deduct	-2,030.41	
	For >75 Tons, Deduct	-1,015.21	
05 12 23 00-0022	TON >80 To 115 Lb./LF Double L Shape Steel Angles	5,550.34	264.88
	For ASTM A242 Type 2 High Strength Steel, Add	421.45	
	For Hot Dip Galvanizing, Add	1,475.07	
	For >10 To 25 Tons, Deduct	-447.79	
	For >25 To 50 Tons, Deduct	-921.92	
	For >50 To 75 Tons, Deduct	-1,317.03	
	For >75 Tons, Deduct	-658.51	
05 12 23 00-0023 Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)			
05 12 23 00-0024	TON Up To 30 Lb./LF Structural WT, MT, ST Tee Shapes	13,363.01	1,490.70
	For ASTM A242 Type 2 High Strength Steel, Add	842.90	
	For Hot Dip Galvanizing, Add	2,950.14	
	For >10 To 25 Tons, Deduct	-895.58	
	For >25 To 50 Tons, Deduct	-1,843.84	
	For >50 To 75 Tons, Deduct	-2,634.05	
	For >75 Tons, Deduct	-1,317.03	
05 12 23 00-0025	TON >30 To 65 Lb./LF Structural WT, MT, ST Tee Shapes	8,998.07	883.29
	For ASTM A242 Type 2 High Strength Steel, Add	644.46	
	For Hot Dip Galvanizing, Add	2,255.62	
	For >10 To 25 Tons, Deduct	-684.74	
	For >25 To 50 Tons, Deduct	-1,409.77	
	For >50 To 75 Tons, Deduct	-2,013.95	
	For >75 Tons, Deduct	-1,006.98	
05 12 23 00-0026	TON >65 To 100 Lb./LF Structural WT, MT, ST Tee Shapes	7,115.14	496.90
	For ASTM A242 Type 2 High Strength Steel, Add	526.81	
	For Hot Dip Galvanizing, Add	1,843.83	
	For >10 To 25 Tons, Deduct	-559.74	
	For >25 To 50 Tons, Deduct	-1,152.40	
	For >50 To 75 Tons, Deduct	-1,646.28	
	For >75 Tons, Deduct	-823.14	
05 12 23 00-0027	TON >100 To 365 Lb./LF Structural WT, MT, ST Tee Shapes	5,243.47	264.49
	For ASTM A242 Type 2 High Strength Steel, Add	396.86	
	For Hot Dip Galvanizing, Add	1,389.02	
	For >10 To 25 Tons, Deduct	-421.67	
	For >25 To 50 Tons, Deduct	-868.14	
	For >50 To 75 Tons, Deduct	-1,240.20	
	For >75 Tons, Deduct	-620.10	
05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)			
05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)			
05 12 23 00-0030	TON Up To 30 Lb./LF Combination Section - W Shapes And Angles	12,682.54	1,490.70
	For ASTM A242 Type 2 High Strength Steel, Add	788.46	
	For Hot Dip Galvanizing, Add	2,759.60	
	For >10 To 25 Tons, Deduct	-837.74	
	For >25 To 50 Tons, Deduct	-1,724.75	
	For >50 To 75 Tons, Deduct	-2,463.93	
	For >75 Tons, Deduct	-1,231.97	
05 12 23 00-0031	TON >30-65 Lb./LF Combination Section - W Shapes And Angles	9,063.94	883.29
	For ASTM A242 Type 2 High Strength Steel, Add	649.73	
	For Hot Dip Galvanizing, Add	2,274.07	
	For >10 To 25 Tons, Deduct	-690.34	
	For >25 To 50 Tons, Deduct	-1,421.29	
	For >50 To 75 Tons, Deduct	-2,030.42	
	For >75 Tons, Deduct	-1,015.21	
05 12 23 00-0032	TON >65-100 Lb./LF Combination Section - W Shapes And Angles	6,566.38	496.90
	For ASTM A242 Type 2 High Strength Steel, Add	482.91	
	For Hot Dip Galvanizing, Add	1,690.18	
	For >10 To 25 Tons, Deduct	-513.09	
	For >25 To 50 Tons, Deduct	-1,056.36	
	For >50 To 75 Tons, Deduct	-1,509.09	
	For >75 Tons, Deduct	-754.55	

			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
05 12 23 00-0033	TON	>100-300 Lb./LF Combination Section - W Shapes And Angles	5,682.05	264.49	
		For ASTM A242 Type 2 High Strength Steel, Add	431.98		
		For Hot Dip Galvanizing, Add	1,511.95		
		For >10 To 25 Tons, Deduct	-458.98		
		For >25 To 50 Tons, Deduct	-944.97		
		For >50 To 75 Tons, Deduct	-1,349.95		
		For >75 Tons, Deduct	-674.98		
05 12 23 00-0034	TON	>300-500 Lb./LF Combination Section - W Shapes And Angles	4,904.59	132.77	
		For ASTM A242 Type 2 High Strength Steel, Add	381.06		
		For Hot Dip Galvanizing, Add	1,333.71		
		For >10 To 25 Tons, Deduct	-404.88		
		For >25 To 50 Tons, Deduct	-833.57		
		For >50 To 75 Tons, Deduct	-1,190.81		
		For >75 Tons, Deduct	-595.41		
05 12 23 00-0035		Combination Section, S Shapes And Angles (05 12 23 00-0028)			
05 12 23 00-0036	TON	>30-65 Lb./LF Combination Section - S Shapes And Angles	8,712.72	883.29	
		For ASTM A242 Type 2 High Strength Steel, Add	621.64		
		For Hot Dip Galvanizing, Add	2,175.73		
		For >10 To 25 Tons, Deduct	-660.49		
		For >25 To 50 Tons, Deduct	-1,359.83		
		For >50 To 75 Tons, Deduct	-1,942.61		
		For >75 Tons, Deduct	-971.31		
05 12 23 00-0037	TON	>65-100 Lb./LF Combination Section - S Shapes And Angles	6,588.33	496.90	
		For ASTM A242 Type 2 High Strength Steel, Add	484.66		
		For Hot Dip Galvanizing, Add	1,696.33		
		For >10 To 25 Tons, Deduct	-514.96		
		For >25 To 50 Tons, Deduct	-1,060.20		
		For >50 To 75 Tons, Deduct	-1,514.58		
		For >75 Tons, Deduct	-757.29		
05 12 23 00-0038		Combination Section, Channels And Angles (05 12 23 00-0028)			
05 12 23 00-0039	TON	Up To 30 Lb./LF Combination Section - Channels And Angles	13,363.01	1,490.70	
		For ASTM A242 Type 2 High Strength Steel, Add	842.90		
		For Hot Dip Galvanizing, Add	2,950.14		
		For >10 To 25 Tons, Deduct	-895.58		
		For >25 To 50 Tons, Deduct	-1,843.84		
		For >50 To 75 Tons, Deduct	-2,634.05		
		For >75 Tons, Deduct	-1,317.03		
05 12 23 00-0040	TON	>30-65 Lb./LF Combination Section - Channels And Angles	9,502.93	883.29	
		For ASTM A242 Type 2 High Strength Steel, Add	684.85		
		For Hot Dip Galvanizing, Add	2,396.98		
		For >10 To 25 Tons, Deduct	-727.66		
		For >25 To 50 Tons, Deduct	-1,498.12		
		For >50 To 75 Tons, Deduct	-2,140.17		
		For >75 Tons, Deduct	-1,070.08		
05 12 23 00-0041	TON	>65-100 Lb./LF Combination Section - Channels And Angles	6,741.99	496.90	
		For ASTM A242 Type 2 High Strength Steel, Add	496.96		
		For Hot Dip Galvanizing, Add	1,739.35		
		For >10 To 25 Tons, Deduct	-528.02		
		For >25 To 50 Tons, Deduct	-1,087.09		
		For >50 To 75 Tons, Deduct	-1,552.99		
		For >75 Tons, Deduct	-776.50		
05 12 23 00-0042		Standard Weight Pipe (05 12 23 00-0001)			
05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	7,696.58	795.04	
		For ASTM A242 Type 2 High Strength Steel, Add	547.88		
		For Hot Dip Galvanizing, Add	1,917.59		
		For >10 To 25 Tons, Deduct	-582.13		
		For >25 To 50 Tons, Deduct	-1,198.49		
		For >50 To 75 Tons, Deduct	-1,712.13		
		For >75 Tons, Deduct	-856.07		
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	8,215.89	993.79	
		For ASTM A242 Type 2 High Strength Steel, Add	572.47		
		For Hot Dip Galvanizing, Add	2,003.63		
		For >10 To 25 Tons, Deduct	-608.25		
		For >25 To 50 Tons, Deduct	-1,252.27		
		For >50 To 75 Tons, Deduct	-1,788.96		
		For >75 Tons, Deduct	-894.48		
05 12 23 00-0045		Temporary Steel Support For Structures (05 12 23 00-0001)			
		Note: Includes removal after use.			
05 12 23 00-0046	TON	Up To 30 Lb./LF Temporary Steel Support For Structures	10,882.62		
		Note: For all stock sections.			
05 12 23 00-0047	TON	>30 Lb./LF Temporary Steel Support For Structures	7,553.74		
		Note: For all stock sections.			
05 12 23 00-0048		Structural Steel Shapes (05 12 23)			
		Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.			
05 12 23 00-0049		Steel Rods (05 12 23 00-0048)			

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0050	TON 1/2" To 5" Diameter Extra Strong Steel, Solid..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	8,301.27 611.10 2,138.85 -649.29 -1,336.78 -1,909.69 -954.84		621.19
05 12 23 00-0051	TON >5" To 12" Diameter Extra Strong Steel, Solid..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	9,502.93 684.85 2,396.98 -727.66 -1,498.12 -2,140.17 -1,070.08		883.29
05 12 23 00-0052	Column Base Plates (05 12 23 00-0048)			
05 12 23 00-0053	LB Column Base Plates, Up To 150 Lb. / Each, A36 Miscellaneous Steel Items..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	4.14 0.26 0.92		0.81
05 12 23 00-0054	LB Column Base Plates, >150 Lb. / Each, A36 Miscellaneous Steel Items..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add	3.90 0.25 0.88		0.68
05 12 23 00-0055	TON Column Base Plates, Up To 150 Lb. Each, A36 Miscellaneous Steel Items..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	7,553.66 543.21 1,901.22 -577.16 -1,188.26 -1,697.52 -848.76		715.85
05 12 23 00-0056	TON Column Base Plates, >150 Lb. Each, A36 Miscellaneous Steel Items..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	5,369.33 392.89 1,375.13 -417.45 -859.46 -1,227.80 -613.90		429.51
05 12 23 00-0057	Double Extra Strong Pipes (05 12 23 00-0048)			
05 12 23 00-0058	TON 2" To 5" Diameter Double Extra Strong Pipe..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	9,947.75 698.90 2,446.15 -742.58 -1,528.85 -2,184.07 -1,092.03		1,135.72
05 12 23 00-0059	TON >5" To 8" Diameter Double Extra Strong Pipe..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	9,388.60 698.90 2,446.15 -742.58 -1,528.85 -2,184.07 -1,092.03		611.52
05 12 23 00-0060	Structural Pipes (05 12 23 00-0048)			
05 12 23 00-0061	TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	6,953.46 491.69 1,720.91 -522.42 -1,075.57 -1,536.53 -768.26		524.72
05 12 23 00-0062	TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	7,481.18 491.69 1,720.91 -522.42 -1,075.57 -1,536.53 -768.26		605.16
05 12 23 00-0063	Structural Tubing (05 12 23 00-0048)			
05 12 23 00-0064	Rectangle Structural Tubing (05 12 23 00-0063)			
05 12 23 00-0065	TON 3" x 2" Weight Range 5-7 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	11,540.56 878.02 3,073.06 -932.89 -1,920.66 -2,743.80 -1,371.90		530.02
05 12 23 00-0066	TON 4" x 3", 2" Weight Range 6-13 Lb./LF Structural Tubing - Rectangle..... For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add For >10 To 25 Tons, Deduct For >25 To 50 Tons, Deduct For >50 To 75 Tons, Deduct For >75 Tons, Deduct	11,627.54 878.02 3,073.06 -932.89 -1,920.66 -2,743.80 -1,371.90		611.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0067		TON	5" x 4", 3", 2" Weight Range 8-20 Lb./LF Structural Tubing - Rectangle	10,145.39	662.53
			For ASTM A242 Type 2 High Strength Steel, Add	755.09	
			For Hot Dip Galvanizing, Add	2,642.83	
			For >10 To 25 Tons, Deduct	-802.29	
			For >25 To 50 Tons, Deduct	-1,651.77	
			For >50 To 75 Tons, Deduct	-2,359.67	
			For >75 Tons, Deduct	-1,179.84	
05 12 23 00-0068		TON	6" x 4", 3", 2" Weight Range 9-29 Lb./LF Structural Tubing - Rectangle	9,628.21	795.04
			For ASTM A242 Type 2 High Strength Steel, Add	702.41	
			For Hot Dip Galvanizing, Add	2,458.44	
			For >10 To 25 Tons, Deduct	-746.31	
			For >25 To 50 Tons, Deduct	-1,536.53	
			For >50 To 75 Tons, Deduct	-2,195.04	
			For >75 Tons, Deduct	-1,097.52	
05 12 23 00-0069		TON	7" x 5", 4", 3" Weight Range 12-35 Lb./LF Structural Tubing - Rectangle	9,465.76	883.29
			For ASTM A242 Type 2 High Strength Steel, Add	681.88	
			For Hot Dip Galvanizing, Add	2,386.58	
			For >10 To 25 Tons, Deduct	-724.50	
			For >25 To 50 Tons, Deduct	-1,491.61	
			For >50 To 75 Tons, Deduct	-2,130.87	
			For >75 Tons, Deduct	-1,065.44	
05 12 23 00-0070		TON	8" x 6", 4", 3", 2" Weight Range 11-42 Lb./LF Structural Tubing - Rectangle	9,626.44	1,222.37
			For ASTM A242 Type 2 High Strength Steel, Add	665.61	
			For Hot Dip Galvanizing, Add	2,330.32	
			For >10 To 25 Tons, Deduct	-707.42	
			For >25 To 50 Tons, Deduct	-1,456.45	
			For >50 To 75 Tons, Deduct	-2,080.64	
			For >75 Tons, Deduct	-1,040.32	
05 12 23 00-0071		TON	10" x 6", 4", 2" Weight Range 15-50 Lb./LF Structural Tubing - Rectangle	10,020.92	1,615.92
			For ASTM A242 Type 2 High Strength Steel, Add	663.78	
			For Hot Dip Galvanizing, Add	2,323.23	
			For >10 To 25 Tons, Deduct	-705.27	
			For >25 To 50 Tons, Deduct	-1,452.02	
			For >50 To 75 Tons, Deduct	-2,074.32	
			For >75 Tons, Deduct	-1,037.16	
05 12 23 00-0072		TON	12" x 6", 4", 2" Weight Range 17-76 Lb./LF Structural Tubing - Rectangle	10,267.93	1,765.12
			For ASTM A242 Type 2 High Strength Steel, Add	670.80	
			For Hot Dip Galvanizing, Add	2,347.82	
			For >10 To 25 Tons, Deduct	-712.73	
			For >25 To 50 Tons, Deduct	-1,467.39	
			For >50 To 75 Tons, Deduct	-2,096.27	
			For >75 Tons, Deduct	-1,048.13	
05 12 23 00-0073		TON	14" x 10", 6", 4" Weight Range 29-76 Lb./LF Structural Tubing - Rectangle.....	10,505.17	1,987.60
			For ASTM A242 Type 2 High Strength Steel, Add	670.80	
			For Hot Dip Galvanizing, Add	2,347.82	
			For >10 To 25 Tons, Deduct	-712.73	
			For >25 To 50 Tons, Deduct	-1,467.39	
			For >50 To 75 Tons, Deduct	-2,096.27	
			For >75 Tons, Deduct	-1,048.13	
05 12 23 00-0074		TON	16" x 12", 8", 4" Weight Range 40-90 Lb./LF Structural Tubing - Rectangle.....	11,124.07	2,650.13
			For ASTM A242 Type 2 High Strength Steel, Add	663.78	
			For Hot Dip Galvanizing, Add	2,323.23	
			For >10 To 25 Tons, Deduct	-705.27	
			For >25 To 50 Tons, Deduct	-1,452.02	
			For >50 To 75 Tons, Deduct	-2,074.32	
			For >75 Tons, Deduct	-1,037.16	
05 12 23 00-0075		TON	18" x 6", 4" Weight Range 48-76 Lb./LF Structural Tubing - Rectangle.....	12,531.76	4,175.68
			For ASTM A242 Type 2 High Strength Steel, Add	646.22	
			For Hot Dip Galvanizing, Add	2,261.77	
			For >10 To 25 Tons, Deduct	-686.61	
			For >25 To 50 Tons, Deduct	-1,413.61	
			For >50 To 75 Tons, Deduct	-2,019.44	
			For >75 Tons, Deduct	-1,009.72	
05 12 23 00-0076		TON	20" x 12", 8", 4" Weight Range 48-105 Lb./LF Structural Tubing - Rectangle.....	14,216.47	6,097.03
			For ASTM A242 Type 2 High Strength Steel, Add	617.05	
			For Hot Dip Galvanizing, Add	2,159.66	
			For >10 To 25 Tons, Deduct	-655.61	
			For >25 To 50 Tons, Deduct	-1,349.79	
			For >50 To 75 Tons, Deduct	-1,928.27	
			For >75 Tons, Deduct	-964.14	
05 12 23 00-0077			Square Structural Tubing (05 12 23 00-0063)		
05 12 23 00-0078		TON	2" x 2" Weight Range 4-6 Lb./LF Structural Tubing - Square.....	11,505.22	496.90
			For ASTM A242 Type 2 High Strength Steel, Add	878.02	
			For Hot Dip Galvanizing, Add	3,073.06	
			For >10 To 25 Tons, Deduct	-932.89	
			For >25 To 50 Tons, Deduct	-1,920.66	
			For >50 To 75 Tons, Deduct	-2,743.80	
			For >75 Tons, Deduct	-1,371.90	
05 12 23 00-0079		TON	2.5" x 2.5" Weight Range 5-8 Lb./LF Structural Tubing - Square.....	11,540.56	530.02
			For ASTM A242 Type 2 High Strength Steel, Add	878.02	
			For Hot Dip Galvanizing, Add	3,073.06	
			For >10 To 25 Tons, Deduct	-932.89	
			For >25 To 50 Tons, Deduct	-1,920.66	
			For >50 To 75 Tons, Deduct	-2,743.80	
			For >75 Tons, Deduct	-1,371.90	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0080	TON 3" x 3" Weight Range 6-11 Lb./LF Structural Tubing - Square.....	10,364.89	662.53
	For ASTM A242 Type 2 High Strength Steel, Add	772.65	
	For Hot Dip Galvanizing, Add	2,704.29	
	For >10 To 25 Tons, Deduct	-820.95	
	For >25 To 50 Tons, Deduct	-1,690.18	
	For >50 To 75 Tons, Deduct	-2,414.55	
	For >75 Tons, Deduct	-1,207.27	
05 12 23 00-0081	TON 3.5" x 3.5" Weight Range 8-13 Lb./LF Structural Tubing - Square.....	10,286.73	795.04
	For ASTM A242 Type 2 High Strength Steel, Add	755.09	
	For Hot Dip Galvanizing, Add	2,642.83	
	For >10 To 25 Tons, Deduct	-802.29	
	For >25 To 50 Tons, Deduct	-1,651.77	
	For >50 To 75 Tons, Deduct	-2,359.67	
	For >75 Tons, Deduct	-1,179.84	
05 12 23 00-0082	TON 4" x 4" Weight Range 10-22 Lb./LF Structural Tubing - Square.....	8,259.79	993.79
	For ASTM A242 Type 2 High Strength Steel, Add	575.98	
	For Hot Dip Galvanizing, Add	2,015.92	
	For >10 To 25 Tons, Deduct	-611.98	
	For >25 To 50 Tons, Deduct	-1,259.95	
	For >50 To 75 Tons, Deduct	-1,799.93	
	For >75 Tons, Deduct	-899.97	
05 12 23 00-0083	TON 5" x 5" Weight Range 12-30 Lb./LF Structural Tubing - Square.....	8,411.22	1,135.72
	For ASTM A242 Type 2 High Strength Steel, Add	575.98	
	For Hot Dip Galvanizing, Add	2,015.92	
	For >10 To 25 Tons, Deduct	-611.98	
	For >25 To 50 Tons, Deduct	-1,259.95	
	For >50 To 75 Tons, Deduct	-1,799.93	
	For >75 Tons, Deduct	-899.97	
05 12 23 00-0084	TON 6" x 6" Weight Range 15-35 Lb./LF Structural Tubing - Square.....	8,895.81	1,590.08
	For ASTM A242 Type 2 High Strength Steel, Add	575.98	
	For Hot Dip Galvanizing, Add	2,015.92	
	For >10 To 25 Tons, Deduct	-611.98	
	For >25 To 50 Tons, Deduct	-1,259.95	
	For >50 To 75 Tons, Deduct	-1,799.93	
	For >75 Tons, Deduct	-899.97	
05 12 23 00-0085	TON 7" x 7" Weight Range 17-42 Lb./LF Structural Tubing - Square.....	9,451.55	1,987.60
	For ASTM A242 Type 2 High Strength Steel, Add	586.52	
	For Hot Dip Galvanizing, Add	2,052.80	
	For >10 To 25 Tons, Deduct	-623.17	
	For >25 To 50 Tons, Deduct	-1,283.00	
	For >50 To 75 Tons, Deduct	-1,832.86	
	For >75 Tons, Deduct	-916.43	
05 12 23 00-0086	TON 8" x 8" Weight Range 20-60 Lb./LF Structural Tubing - Square.....	11,343.57	2,650.13
	For ASTM A242 Type 2 High Strength Steel, Add	681.34	
	For Hot Dip Galvanizing, Add	2,384.69	
	For >10 To 25 Tons, Deduct	-723.92	
	For >25 To 50 Tons, Deduct	-1,490.43	
	For >50 To 75 Tons, Deduct	-2,129.19	
	For >75 Tons, Deduct	-1,064.60	
05 12 23 00-0087	TON 10" x 10" Weight Range 33-77 Lb./LF Structural Tubing - Square.....	12,756.97	3,975.20
	For ASTM A242 Type 2 High Strength Steel, Add	681.34	
	For Hot Dip Galvanizing, Add	2,384.69	
	For >10 To 25 Tons, Deduct	-723.92	
	For >25 To 50 Tons, Deduct	-1,490.43	
	For >50 To 75 Tons, Deduct	-2,129.19	
	For >75 Tons, Deduct	-1,064.60	
05 12 23 00-0088	TON 12" x 12" Weight Range 40-80 Lb./LF Structural Tubing - Square.....	12,308.21	4,665.69
	For ASTM A242 Type 2 High Strength Steel, Add	586.52	
	For Hot Dip Galvanizing, Add	2,052.80	
	For >10 To 25 Tons, Deduct	-623.17	
	For >25 To 50 Tons, Deduct	-1,283.00	
	For >50 To 75 Tons, Deduct	-1,832.86	
	For >75 Tons, Deduct	-916.43	
05 12 23 00-0089	TON 14" x 14" Weight Range 57-90 Lb./LF Structural Tubing - Square.....	14,844.55	6,097.03
	For ASTM A242 Type 2 High Strength Steel, Add	667.29	
	For Hot Dip Galvanizing, Add	2,335.52	
	For >10 To 25 Tons, Deduct	-709.00	
	For >25 To 50 Tons, Deduct	-1,459.70	
	For >50 To 75 Tons, Deduct	-2,085.29	
	For >75 Tons, Deduct	-1,042.65	
05 12 23 00-0090	TON 16" x 16" Weight Range 65-105 Lb./LF Structural Tubing - Square.....	16,997.18	7,950.40
	For ASTM A242 Type 2 High Strength Steel, Add	681.34	
	For Hot Dip Galvanizing, Add	2,384.69	
	For >10 To 25 Tons, Deduct	-723.92	
	For >25 To 50 Tons, Deduct	-1,490.43	
	For >50 To 75 Tons, Deduct	-2,129.19	
	For >75 Tons, Deduct	-1,064.60	

05 12 23 00-0091 Galvanized Steel Pipe Tubing (05 12 23 00-0063)

Note: ASTM A53 Grade B

05 12 23 00-0092	LF 2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	43.52	5.84
05 12 23 00-0093	LF 2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	47.93	6.95
05 12 23 00-0094	LF 3" Diameter Galvanized Steel Pipe Tubing, Standard Weight	53.59	9.24
05 12 23 00-0095	LF 3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	57.90	10.30
05 12 23 00-0096	LF 4" Diameter Galvanized Steel Pipe Tubing, Standard Weight	60.66	11.13
05 12 23 00-0097	LF 5" Diameter Galvanized Steel Pipe Tubing, Standard Weight	68.43	13.91
05 12 23 00-0098	LF 6" Diameter Galvanized Steel Pipe Tubing, Standard Weight	76.18	16.69
05 12 23 00-0099	LF 8" Diameter Galvanized Steel Pipe Tubing, Standard Weight	83.96	20.03
05 12 23 00-0100	LF 10" Diameter Galvanized Steel Pipe Tubing, Standard Weight	95.05	24.48
05 12 23 00-0101	LF 12" Diameter Galvanized Steel Pipe Tubing, Standard Weight	112.83	31.16

			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
05 12 23 00-0102 Structural Shapes (05 12 23 00-0048)					
05 12 23 00-0103	TON	Up To 20 Lb./LF Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts.....	8,299.53		2,863.41
		For ASTM A242 Type 2 High Strength Steel, Add	300.35		
		For Hot Dip Galvanizing, Add	1,051.24		
		For >20 To 50 Lb./LF, Deduct	-1,057.21		
		For >50 To 75 Lb./LF, Deduct	-1,699.44		
		For >75 To 100 Lb./LF, Deduct	-2,341.67		
		For >10 To 25 Tons, Deduct	-319.13		
		For >25 To 50 Tons, Deduct	-657.03		
		For >50 To 75 Tons, Deduct	-938.61		
		For >75 Tons, Deduct	-469.30		
05 12 23 00-0104	TON	Structural Shapes, Steel Plate A36 Structural Steel	8,547.37		1,145.37
		Note: Up to 21.5 Lb. per SF			
		For ASTM A242 Type 2 High Strength Steel, Add	561.94		
		For Hot Dip Galvanizing, Add	1,966.80		
		For >21.5 To 50 Lb./LF, Deduct	-930.89		
		For >10 To 25 Tons, Deduct	-597.06		
		For >25 To 50 Tons, Deduct	-1,229.25		
		For >50 To 75 Tons, Deduct	-1,756.07		
		For >75 Tons, Deduct	-878.04		
05 12 23 00-0105	LB	Up To 20 Lb./LF Structural Shapes, Primed Pipe Supports.....	4.98		0.26
05 12 23 00-0106	LB	Structural Shapes, Galvanized Pipe Supports.....	6.08		0.26
05 12 23 00-0107 Built-Up Trusses (05 12 23 00-0048)					
05 12 23 00-0108	TON	Up To 50 LF Span Average Weight 100 Lb./LF Trusses, Built-up	9,357.84		397.52
		For >10 To 25 Tons, Deduct	-759.37		
		For >25 To 50 Tons, Deduct	-1,563.42		
		For >50 To 75 Tons, Deduct	-2,233.46		
		For >75 Tons, Deduct	-1,116.73		
05 12 23 00-0109	TON	>50-100 LF Span Average Weight 120 Lb./LF Trusses, Built-up.....	9,257.19		220.75
		For >10 To 25 Tons, Deduct	-766.84		
		For >25 To 50 Tons, Deduct	-1,578.78		
		For >50 To 75 Tons, Deduct	-2,255.41		
		For >75 Tons, Deduct	-1,127.70		
05 12 23 00-0110	TON	>100-200 LF Span Average Weight 150 Lb./LF Trusses, Built-up.....	8,246.36		116.87
		For >10 To 25 Tons, Deduct	-690.34		
		For >25 To 50 Tons, Deduct	-1,421.29		
		For >50 To 75 Tons, Deduct	-2,030.41		
		For >75 Tons, Deduct	-1,015.21		
05 12 23 00-0111	TON	>200 LF Span Average Weight 180 Lb./LF Trusses, Built-up.....	8,019.94		110.51
		For >10 To 25 Tons, Deduct	-671.68		
		For >25 To 50 Tons, Deduct	-1,382.88		
		For >50 To 75 Tons, Deduct	-1,975.54		
		For >75 Tons, Deduct	-987.77		
05 12 23 00-0112 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0048)					
		Note: Includes shop fabrication, welds, drilling and shop primer.			
05 12 23 00-0113	SF	1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	31.04		8.25
05 12 23 00-0114	SF	3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	46.56		12.33
05 12 23 00-0115	SF	1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	62.08		16.45
05 12 23 00-0116	SF	5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	77.60		20.55
05 12 23 00-0117	SF	3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	93.12		24.54
05 12 23 00-0118	SF	7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	108.64		28.77
05 12 23 00-0119	SF	1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	124.16		32.88
05 12 23 00-0120	SF	1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	139.68		36.99
05 12 23 00-0121	SF	1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	155.20		41.11
05 12 23 00-0122	SF	1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	170.72		45.22
05 12 23 00-0123	SF	1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	186.24		49.33
05 12 23 00-0124	SF	1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	201.76		53.44
05 12 23 00-0125	SF	1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	217.29		57.54
05 12 23 00-0126	SF	1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	232.82		61.65
05 12 23 00-0127	SF	2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	248.33		65.77
05 12 23 00-0128 Accessories For Steel (05 12 23)					
05 12 23 00-0129 Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0128)					
05 12 23 00-0130	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....		1.44	
05 12 23 00-0131 Connection And Stiffener Plates (05 12 23 00-0128)					
		Note: For field fabrication of additional structural metal connections.			
05 12 23 00-0132	TON	1/8" Plate Weight 6.16 Lb./SF Connection And Stiffener Plates	20,278.40		
		For >10 To 25 Tons, Deduct	-1,723.66		
		For >25 To 50 Tons, Deduct	-3,548.72		
		For >50 To 75 Tons, Deduct	-5,069.60		
		For >75 Tons, Deduct	-2,534.80		
05 12 23 00-0133	TON	3/16" Plate Weight 8.71 Lb./SF Connection And Stiffener Plates	17,301.45		
		For >10 To 25 Tons, Deduct	-1,470.62		
		For >25 To 50 Tons, Deduct	-3,027.75		
		For >50 To 75 Tons, Deduct	-4,325.36		
		For >75 Tons, Deduct	-2,162.68		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0134	TON	1/4" Plate Weight 11.26 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	-1,137.26	
		For >25 To 50 Tons, Deduct	-2,341.42	
		For >50 To 75 Tons, Deduct	-3,344.89	
		For >75 Tons, Deduct	-1,672.45	
05 12 23 00-0135	TON	5/16" Plate Weight 13.81 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	-1,137.26	
		For >25 To 50 Tons, Deduct	-2,341.42	
		For >50 To 75 Tons, Deduct	-3,344.89	
		For >75 Tons, Deduct	-1,672.45	
05 12 23 00-0136	TON	3/8" Plate Weight 16.37 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	-1,137.26	
		For >25 To 50 Tons, Deduct	-2,341.42	
		For >50 To 75 Tons, Deduct	-3,344.89	
		For >75 Tons, Deduct	-1,672.45	
05 12 23 00-0137	TON	1/2" Plate Weight 21.47 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	-1,137.26	
		For >25 To 50 Tons, Deduct	-2,341.42	
		For >50 To 75 Tons, Deduct	-3,344.89	
		For >75 Tons, Deduct	-1,672.45	
05 12 23 00-0138	TON	9/16" Plate Weight 24.02 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	-1,137.26	
		For >25 To 50 Tons, Deduct	-2,341.42	
		For >50 To 75 Tons, Deduct	-3,344.89	
		For >75 Tons, Deduct	-1,672.45	
05 12 23 00-0139	TON	5/8" Plate Weight 26.58 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	-1,137.26	
		For >25 To 50 Tons, Deduct	-2,341.42	
		For >50 To 75 Tons, Deduct	-3,344.89	
		For >75 Tons, Deduct	-1,672.45	
05 12 23 00-0140	TON	3/4" Plate Weight 31.68 Lb./SF Connection And Stiffener Plates	12,543.34	
		For >10 To 25 Tons, Deduct	-1,066.18	
		For >25 To 50 Tons, Deduct	-2,195.08	
		For >50 To 75 Tons, Deduct	-3,135.84	
		For >75 Tons, Deduct	-1,567.92	
05 12 23 00-0141	TON	7/8" Plate Weight 36.78 Lb./SF Connection And Stiffener Plates	12,543.34	
		For >10 To 25 Tons, Deduct	-1,066.18	
		For >25 To 50 Tons, Deduct	-2,195.08	
		For >50 To 75 Tons, Deduct	-3,135.84	
		For >75 Tons, Deduct	-1,567.92	
05 12 23 00-0142	TON	1" Plate Weight 41.89 Lb./SF Connection And Stiffener Plates	12,543.34	
		For >10 To 25 Tons, Deduct	-1,066.18	
		For >25 To 50 Tons, Deduct	-2,195.08	
		For >50 To 75 Tons, Deduct	-3,135.84	
		For >75 Tons, Deduct	-1,567.92	
05 12 23 00-0143		Field Applied Cold Galvanizing (05 12 23 00-0128)		
05 12 23 00-0144	SF	Brush Applied Cold Galvanizing	2.16	
05 12 23 00-0145		Metal Grinding (05 12 23 00-0128)		
		Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0146	SI	Metal Grinding Up To 1/32" Thickness To Be Removed.....	1.21	
		Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0147		Structural Steel For Buildings And Structures (05 12 23)		
		Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
05 12 23 00-0148		First Tier A992/A36 Structural Steel Columns, W Shapes (05 12 23 00-0147)		
		Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0149	LF	W14 x 730 A992/A36 Structural Column	1,496.21	79.42
		For Hot Dip Galvanizing, Add	391.71	
		For High Strength Low Alloy A572-50 Steel, Add	134.66	
		For High Strength Low Alloy A588 Grade B Steel, Add	299.24	
05 12 23 00-0150	LF	W14 x 665 A992/A36 Structural Column	1,364.77	74.03
		For Hot Dip Galvanizing, Add	356.83	
		For High Strength Low Alloy A572-50 Steel, Add	122.83	
		For High Strength Low Alloy A588 Grade B Steel, Add	272.95	
05 12 23 00-0151	LF	W14 x 605 A992/A36 Structural Column	1,243.32	68.90
		For Hot Dip Galvanizing, Add	324.63	
		For High Strength Low Alloy A572-50 Steel, Add	111.90	
		For High Strength Low Alloy A588 Grade B Steel, Add	248.66	
05 12 23 00-0152	LF	W14 x 550 A992/A36 Structural Column	1,131.83	64.09
		For Hot Dip Galvanizing, Add	295.12	
		For High Strength Low Alloy A572-50 Steel, Add	101.86	
		For High Strength Low Alloy A588 Grade B Steel, Add	226.37	
05 12 23 00-0153	LF	W14 x 500 A992/A36 Structural Column	1,040.35	68.91
		For Hot Dip Galvanizing, Add	268.29	
		For High Strength Low Alloy A572-50 Steel, Add	93.63	
		For High Strength Low Alloy A588 Grade B Steel, Add	208.07	
05 12 23 00-0154	LF	W14 x 426 A992/A36 Structural Column	887.82	60.16
		For Hot Dip Galvanizing, Add	228.59	
		For High Strength Low Alloy A572-50 Steel, Add	79.90	
		For High Strength Low Alloy A588 Grade B Steel, Add	177.56	

			Metals	05	05
			Structural Metal Framing	05 10	
			Structural Steel Framing	05 12	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
05 12 23 00-0155	LF	W14 x 342 A992/A36 Structural Column	718.43	52.07	
		For Hot Dip Galvanizing, Add	183.97		
		For High Strength Low Alloy A572-50 Steel, Add	64.66		
		For High Strength Low Alloy A588 Grade B Steel, Add	143.69		
05 12 23 00-0156	LF	W14 x 311 A992/A36 Structural Column	647.33	48.63	
		For Hot Dip Galvanizing, Add	165.23		
		For High Strength Low Alloy A572-50 Steel, Add	58.26		
		For High Strength Low Alloy A588 Grade B Steel, Add	129.47		
05 12 23 00-0157	LF	W14 x 283 A992/A36 Structural Column	587.81	45.84	
		For Hot Dip Galvanizing, Add	149.56		
		For High Strength Low Alloy A572-50 Steel, Add	52.90		
		For High Strength Low Alloy A588 Grade B Steel, Add	117.56		
05 12 23 00-0158	LF	W14 x 257 A992/A36 Structural Column	517.14	43.46	
		For Hot Dip Galvanizing, Add	130.65		
		For High Strength Low Alloy A572-50 Steel, Add	46.54		
		For High Strength Low Alloy A588 Grade B Steel, Add	103.43		
05 12 23 00-0159	LF	W14 x 233 A992/A36 Structural Column	475.97	40.41	
		For Hot Dip Galvanizing, Add	120.13		
		For High Strength Low Alloy A572-50 Steel, Add	42.84		
		For High Strength Low Alloy A588 Grade B Steel, Add	95.19		
05 12 23 00-0160	LF	W14 x 211 A992/A36 Structural Column	423.62	37.63	
		For Hot Dip Galvanizing, Add	106.41		
		For High Strength Low Alloy A572-50 Steel, Add	38.13		
		For High Strength Low Alloy A588 Grade B Steel, Add	84.72		
05 12 23 00-0161	LF	W14 x 193 A992/A36 Structural Column	383.41	35.78	
		For Hot Dip Galvanizing, Add	95.80		
		For High Strength Low Alloy A572-50 Steel, Add	34.51		
		For High Strength Low Alloy A588 Grade B Steel, Add	76.68		
05 12 23 00-0162	LF	W14 x 176 A992/A36 Structural Column	345.84	34.19	
		For Hot Dip Galvanizing, Add	85.86		
		For High Strength Low Alloy A572-50 Steel, Add	31.13		
		For High Strength Low Alloy A588 Grade B Steel, Add	69.17		
05 12 23 00-0163	LF	W14 x 159 A992/A36 Structural Column	313.00	33.00	
		For Hot Dip Galvanizing, Add	77.11		
		For High Strength Low Alloy A572-50 Steel, Add	28.17		
		For High Strength Low Alloy A588 Grade B Steel, Add	62.60		
05 12 23 00-0164	LF	W14 x 145 A992/A36 Structural Column	302.51	31.94	
		For Hot Dip Galvanizing, Add	74.49		
		For High Strength Low Alloy A572-50 Steel, Add	27.23		
		For High Strength Low Alloy A588 Grade B Steel, Add	60.50		
05 12 23 00-0165	LF	W14 x 132 A992/A36 Structural Column	259.15	30.47	
		For Hot Dip Galvanizing, Add	62.91		
		For High Strength Low Alloy A572-50 Steel, Add	23.32		
		For High Strength Low Alloy A588 Grade B Steel, Add	51.83		
05 12 23 00-0166	LF	W14 x 120 A992/A36 Structural Column	243.16	29.68	
		For Hot Dip Galvanizing, Add	58.69		
		For High Strength Low Alloy A572-50 Steel, Add	21.88		
		For High Strength Low Alloy A588 Grade B Steel, Add	48.63		
05 12 23 00-0167	LF	W14 x 109 A992/A36 Structural Column	218.00	28.49	
		For Hot Dip Galvanizing, Add	52.08		
		For High Strength Low Alloy A572-50 Steel, Add	19.62		
		For High Strength Low Alloy A588 Grade B Steel, Add	43.60		
05 12 23 00-0168	LF	W14 x 99 A992/A36 Structural Column	199.15	27.70	
		For Hot Dip Galvanizing, Add	47.10		
		For High Strength Low Alloy A572-50 Steel, Add	17.92		
		For High Strength Low Alloy A588 Grade B Steel, Add	39.83		
05 12 23 00-0169	LF	W14 x 90 A992/A36 Structural Column	185.22	27.03	
		For Hot Dip Galvanizing, Add	43.42		
		For High Strength Low Alloy A572-50 Steel, Add	16.67		
		For High Strength Low Alloy A588 Grade B Steel, Add	37.04		
05 12 23 00-0170	LF	W14 x 82 A992/A36 Structural Column	170.82	26.23	
		For Hot Dip Galvanizing, Add	39.64		
		For High Strength Low Alloy A572-50 Steel, Add	15.37		
		For High Strength Low Alloy A588 Grade B Steel, Add	34.16		
05 12 23 00-0171	LF	W14 x 74 A992/A36 Structural Column	154.50	25.58	
		For Hot Dip Galvanizing, Add	35.34		
		For High Strength Low Alloy A572-50 Steel, Add	13.91		
		For High Strength Low Alloy A588 Grade B Steel, Add	30.90		
05 12 23 00-0172	LF	W14 x 68 A992/A36 Structural Column	144.51	25.17	
		For Hot Dip Galvanizing, Add	32.67		
		For High Strength Low Alloy A572-50 Steel, Add	13.01		
		For High Strength Low Alloy A588 Grade B Steel, Add	28.90		
05 12 23 00-0173	LF	W14 x 61 A992/A36 Structural Column	132.01	24.52	
		For Hot Dip Galvanizing, Add	29.39		
		For High Strength Low Alloy A572-50 Steel, Add	11.88		
		For High Strength Low Alloy A588 Grade B Steel, Add	26.40		
05 12 23 00-0174	LF	W14 x 53 A992/A36 Structural Column	120.48	23.85	
		For Hot Dip Galvanizing, Add	26.37		
		For High Strength Low Alloy A572-50 Steel, Add	10.84		
		For High Strength Low Alloy A588 Grade B Steel, Add	24.10		
05 12 23 00-0175	LF	W14 x 48 A992/A36 Structural Column	113.03	23.46	
		For Hot Dip Galvanizing, Add	24.42		
		For High Strength Low Alloy A572-50 Steel, Add	10.17		
		For High Strength Low Alloy A588 Grade B Steel, Add	22.61		
05 12 23 00-0176	LF	W14 x 43 A992/A36 Structural Column	102.27	23.05	
		For Hot Dip Galvanizing, Add	21.58		
		For High Strength Low Alloy A572-50 Steel, Add	9.20		
		For High Strength Low Alloy A588 Grade B Steel, Add	20.45		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0177	LF	W12 x 336 A992/A36 Structural Column	682.17	35.37
		For Hot Dip Galvanizing, Add	178.84	
		For High Strength Low Alloy A572-50 Steel, Add	61.40	
		For High Strength Low Alloy A588 Grade B Steel, Add	136.43	
05 12 23 00-0178	LF	W12 x 305 A992/A36 Structural Column	621.97	34.67
		For Hot Dip Galvanizing, Add	162.34	
		For High Strength Low Alloy A572-50 Steel, Add	55.98	
		For High Strength Low Alloy A588 Grade B Steel, Add	124.39	
05 12 23 00-0179	LF	W12 x 279 A992/A36 Structural Column	571.65	34.25
		For Hot Dip Galvanizing, Add	148.50	
		For High Strength Low Alloy A572-50 Steel, Add	51.45	
		For High Strength Low Alloy A588 Grade B Steel, Add	114.33	
05 12 23 00-0180	LF	W12 x 252 A992/A36 Structural Column	518.95	33.39
		For Hot Dip Galvanizing, Add	134.13	
		For High Strength Low Alloy A572-50 Steel, Add	46.71	
		For High Strength Low Alloy A588 Grade B Steel, Add	103.79	
05 12 23 00-0181	LF	W12 x 230 A992/A36 Structural Column	476.25	32.91
		For Hot Dip Galvanizing, Add	122.42	
		For High Strength Low Alloy A572-50 Steel, Add	42.86	
		For High Strength Low Alloy A588 Grade B Steel, Add	95.25	
05 12 23 00-0182	LF	W12 x 210 A992/A36 Structural Column	437.39	32.45
		For Hot Dip Galvanizing, Add	111.78	
		For High Strength Low Alloy A572-50 Steel, Add	39.37	
		For High Strength Low Alloy A588 Grade B Steel, Add	87.48	
05 12 23 00-0183	LF	W12 x 190 A992/A36 Structural Column	403.52	36.57
		For Hot Dip Galvanizing, Add	101.13	
		For High Strength Low Alloy A572-50 Steel, Add	36.32	
		For High Strength Low Alloy A588 Grade B Steel, Add	80.70	
05 12 23 00-0184	LF	W12 x 170 A992/A36 Structural Column	364.99	35.51
		For Hot Dip Galvanizing, Add	90.80	
		For High Strength Low Alloy A572-50 Steel, Add	32.85	
		For High Strength Low Alloy A588 Grade B Steel, Add	73.00	
05 12 23 00-0185	LF	W12 x 152 A992/A36 Structural Column	329.16	33.00
		For Hot Dip Galvanizing, Add	81.60	
		For High Strength Low Alloy A572-50 Steel, Add	29.62	
		For High Strength Low Alloy A588 Grade B Steel, Add	65.83	
05 12 23 00-0186	LF	W12 x 136 A992/A36 Structural Column	313.03	32.07
		For Hot Dip Galvanizing, Add	77.38	
		For High Strength Low Alloy A572-50 Steel, Add	28.17	
		For High Strength Low Alloy A588 Grade B Steel, Add	62.61	
05 12 23 00-0187	LF	W12 x 120 A992/A36 Structural Column	237.74	29.41
		For Hot Dip Galvanizing, Add	57.22	
		For High Strength Low Alloy A572-50 Steel, Add	21.40	
		For High Strength Low Alloy A588 Grade B Steel, Add	47.55	
05 12 23 00-0188	LF	W12 x 106 A992/A36 Structural Column	219.28	28.49
		For Hot Dip Galvanizing, Add	52.43	
		For High Strength Low Alloy A572-50 Steel, Add	19.74	
		For High Strength Low Alloy A588 Grade B Steel, Add	43.86	
05 12 23 00-0189	LF	W12 x 96 A992/A36 Structural Column	196.46	27.57
		For Hot Dip Galvanizing, Add	46.39	
		For High Strength Low Alloy A572-50 Steel, Add	17.68	
		For High Strength Low Alloy A588 Grade B Steel, Add	39.29	
05 12 23 00-0190	LF	W12 x 87 A992/A36 Structural Column	181.44	26.64
		For Hot Dip Galvanizing, Add	42.44	
		For High Strength Low Alloy A572-50 Steel, Add	16.33	
		For High Strength Low Alloy A588 Grade B Steel, Add	36.29	
05 12 23 00-0191	LF	W12 x 79 A992/A36 Structural Column	159.55	25.84
		For Hot Dip Galvanizing, Add	36.62	
		For High Strength Low Alloy A572-50 Steel, Add	14.36	
		For High Strength Low Alloy A588 Grade B Steel, Add	31.91	
05 12 23 00-0192	LF	W12 x 72 A992/A36 Structural Column	146.24	25.17
		For Hot Dip Galvanizing, Add	33.12	
		For High Strength Low Alloy A572-50 Steel, Add	13.16	
		For High Strength Low Alloy A588 Grade B Steel, Add	29.25	
05 12 23 00-0193	LF	W12 x 65 A992/A36 Structural Column	133.90	24.65
		For Hot Dip Galvanizing, Add	29.88	
		For High Strength Low Alloy A572-50 Steel, Add	12.05	
		For High Strength Low Alloy A588 Grade B Steel, Add	26.78	
05 12 23 00-0194	LF	W12 x 58 A992/A36 Structural Column	129.64	24.39
		For Hot Dip Galvanizing, Add	28.77	
		For High Strength Low Alloy A572-50 Steel, Add	11.67	
		For High Strength Low Alloy A588 Grade B Steel, Add	25.93	
05 12 23 00-0195	LF	W12 x 53 A992/A36 Structural Column	120.48	23.85
		For Hot Dip Galvanizing, Add	26.37	
		For High Strength Low Alloy A572-50 Steel, Add	10.84	
		For High Strength Low Alloy A588 Grade B Steel, Add	24.10	
05 12 23 00-0196	LF	W12 x 50 A992/A36 Structural Column	116.82	23.72
		For Hot Dip Galvanizing, Add	25.39	
		For High Strength Low Alloy A572-50 Steel, Add	10.51	
		For High Strength Low Alloy A588 Grade B Steel, Add	23.36	
05 12 23 00-0197	LF	W12 x 45 A992/A36 Structural Column	106.37	23.18
		For Hot Dip Galvanizing, Add	22.64	
		For High Strength Low Alloy A572-50 Steel, Add	9.57	
		For High Strength Low Alloy A588 Grade B Steel, Add	21.27	
05 12 23 00-0198	LF	W12 x 40 A992/A36 Structural Column	95.60	22.66
		For Hot Dip Galvanizing, Add	19.80	
		For High Strength Low Alloy A572-50 Steel, Add	8.60	
		For High Strength Low Alloy A588 Grade B Steel, Add	19.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0199	LF		W10 x 112 A992/A36 Structural Column	229.25	29.02
			For Hot Dip Galvanizing, Add	55.05	
			For High Strength Low Alloy A572-50 Steel, Add	20.63	
			For High Strength Low Alloy A588 Grade B Steel, Add	45.85	
05 12 23 00-0200	LF		W10 x 110 A992/A36 Structural Column	207.59	27.83
			For Hot Dip Galvanizing, Add	49.37	
			For High Strength Low Alloy A572-50 Steel, Add	18.68	
			For High Strength Low Alloy A588 Grade B Steel, Add	41.52	
05 12 23 00-0201	LF		W10 x 88 A992/A36 Structural Column	186.85	26.90
			For Hot Dip Galvanizing, Add	43.91	
			For High Strength Low Alloy A572-50 Steel, Add	16.82	
			For High Strength Low Alloy A588 Grade B Steel, Add	37.37	
05 12 23 00-0202	LF		W10 x 77 A992/A36 Structural Column	166.43	25.84
			For Hot Dip Galvanizing, Add	38.53	
			For High Strength Low Alloy A572-50 Steel, Add	14.98	
			For High Strength Low Alloy A588 Grade B Steel, Add	33.29	
05 12 23 00-0203	LF		W10 x 68 A992/A36 Structural Column	150.11	25.17
			For Hot Dip Galvanizing, Add	34.23	
			For High Strength Low Alloy A572-50 Steel, Add	13.51	
			For High Strength Low Alloy A588 Grade B Steel, Add	30.02	
05 12 23 00-0204	LF		W10 x 60 A992/A36 Structural Column	132.01	24.52
			For Hot Dip Galvanizing, Add	29.39	
			For High Strength Low Alloy A572-50 Steel, Add	11.88	
			For High Strength Low Alloy A588 Grade B Steel, Add	26.40	
05 12 23 00-0205	LF		W10 x 54 A992/A36 Structural Column	131.11	24.11
			For Hot Dip Galvanizing, Add	29.21	
			For High Strength Low Alloy A572-50 Steel, Add	11.80	
			For High Strength Low Alloy A588 Grade B Steel, Add	26.22	
05 12 23 00-0206	LF		W10 x 49 A992/A36 Structural Column	115.40	23.72
			For Hot Dip Galvanizing, Add	25.04	
			For High Strength Low Alloy A572-50 Steel, Add	10.39	
			For High Strength Low Alloy A588 Grade B Steel, Add	23.08	
05 12 23 00-0207	LF		W10 x 45 A992/A36 Structural Column	111.46	23.33
			For Hot Dip Galvanizing, Add	24.02	
			For High Strength Low Alloy A572-50 Steel, Add	10.03	
			For High Strength Low Alloy A588 Grade B Steel, Add	22.29	
05 12 23 00-0208	LF		W10 x 39 A992/A36 Structural Column	97.34	22.92
			For Hot Dip Galvanizing, Add	20.24	
			For High Strength Low Alloy A572-50 Steel, Add	8.76	
			For High Strength Low Alloy A588 Grade B Steel, Add	19.47	
05 12 23 00-0209	LF		W10 x 33 A992/A36 Structural Column	85.15	22.27
			For Hot Dip Galvanizing, Add	17.05	
			For High Strength Low Alloy A572-50 Steel, Add	7.66	
			For High Strength Low Alloy A588 Grade B Steel, Add	17.03	
05 12 23 00-0210	LF		W8 x 67 A992/A36 Structural Column	144.68	25.17
			For Hot Dip Galvanizing, Add	32.72	
			For High Strength Low Alloy A572-50 Steel, Add	13.02	
			For High Strength Low Alloy A588 Grade B Steel, Add	28.94	
05 12 23 00-0211	LF		W8 x 58 A992/A36 Structural Column	130.12	24.39
			For Hot Dip Galvanizing, Add	28.90	
			For High Strength Low Alloy A572-50 Steel, Add	11.71	
			For High Strength Low Alloy A588 Grade B Steel, Add	26.02	
05 12 23 00-0212	LF		W8 x 48 A992/A36 Structural Column	116.68	23.72
			For Hot Dip Galvanizing, Add	25.39	
			For High Strength Low Alloy A572-50 Steel, Add	10.50	
			For High Strength Low Alloy A588 Grade B Steel, Add	23.34	
05 12 23 00-0213	LF		W8 x 40 A992/A36 Structural Column	100.51	23.05
			For Hot Dip Galvanizing, Add	21.09	
			For High Strength Low Alloy A572-50 Steel, Add	9.05	
			For High Strength Low Alloy A588 Grade B Steel, Add	20.10	
05 12 23 00-0214	LF		W8 x 35 A992/A36 Structural Column	91.01	22.53
			For Hot Dip Galvanizing, Add	18.60	
			For High Strength Low Alloy A572-50 Steel, Add	8.19	
			For High Strength Low Alloy A588 Grade B Steel, Add	18.20	
05 12 23 00-0215	LF		W8 x 31 A992/A36 Structural Column	83.39	22.27
			For Hot Dip Galvanizing, Add	16.56	
			For High Strength Low Alloy A572-50 Steel, Add	7.51	
			For High Strength Low Alloy A588 Grade B Steel, Add	16.68	
05 12 23 00-0216	LF		W8 x 28 A992/A36 Structural Column	78.65	21.99
			For Hot Dip Galvanizing, Add	15.32	
			For High Strength Low Alloy A572-50 Steel, Add	7.08	
			For High Strength Low Alloy A588 Grade B Steel, Add	15.73	
05 12 23 00-0217	LF		W8 x 24 A992/A36 Structural Column	72.94	21.73
			For Hot Dip Galvanizing, Add	13.81	
			For High Strength Low Alloy A572-50 Steel, Add	6.56	
			For High Strength Low Alloy A588 Grade B Steel, Add	14.59	
05 12 23 00-0218	LF		W8 x 21 A992/A36 Structural Column	69.15	21.60
			For Hot Dip Galvanizing, Add	12.83	
			For High Strength Low Alloy A572-50 Steel, Add	6.22	
			For High Strength Low Alloy A588 Grade B Steel, Add	13.83	
05 12 23 00-0219	LF		W8 x 18 A992/A36 Structural Column	62.01	21.20
			For Hot Dip Galvanizing, Add	10.92	
			For High Strength Low Alloy A572-50 Steel, Add	5.58	
			For High Strength Low Alloy A588 Grade B Steel, Add	12.40	
05 12 23 00-0220	LF		W6 x 25 A992/A36 Structural Column	76.46	21.73
			For Hot Dip Galvanizing, Add	14.78	
			For High Strength Low Alloy A572-50 Steel, Add	6.88	
			For High Strength Low Alloy A588 Grade B Steel, Add	15.29	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
05 12 23 00-0221	LF W6 x 20 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	65.02 11.72 5.85 13.00		21.34
05 12 23 00-0222	LF W6 x 15 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	56.05 9.41 5.04 11.21		20.67
05 12 23 00-0223	LF W6 x 12 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	52.69 8.48 4.74 10.54		20.67
05 12 23 00-0224	LF W6 x 9 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	48.39 7.33 4.36 9.68		20.54
05 12 23 00-0225	LF W5 x 19 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	64.06 11.45 5.77 12.81		21.34
05 12 23 00-0226	LF W5 x 16 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	59.17 10.17 5.33 11.83		21.20
05 12 23 00-0227	LF W4 x 13 A992/A36 Structural Column For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	55.55 9.24 5.00 11.11		20.93
05 12 23 00-0228	A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0147) Note: Includes material delivery and erection.			
05 12 23 00-0229	LF W36 x 300 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	547.00 126.05 49.23 109.40 4.54 -177.53 65.64		86.98
05 12 23 00-0230	LF W36 x 280 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	529.94 117.64 47.69 105.99 4.24 -169.58 63.59		99.38
05 12 23 00-0231	LF W36 x 260 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	502.26 110.33 45.20 100.45 3.98 -160.09 60.27		98.19
05 12 23 00-0232	LF W36 x 240 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	467.00 104.78 42.03 93.40 3.78 -150.04 56.04		83.83
05 12 23 00-0233	LF W36 x 230 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	452.53 100.41 40.73 90.51 3.62 -144.78 54.30		85.02
05 12 23 00-0234	LF W36 x 210 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	431.74 91.68 38.86 86.35 3.30 -135.91 51.81		95.01
05 12 23 00-0235	LF W36 x 194 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	405.83 88.55 36.52 81.17 3.19 -129.03 48.70		81.31
05 12 23 00-0236	LF W36 x 182 A992/A36 Structural Beam Or Girder For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	385.45 83.07 34.69 77.09 2.99 -121.99 46.25		80.72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0237	LF		W36 x 170 A992/A36 Structural Beam Or Girder	364.72	79.79
			For Hot Dip Galvanizing, Add	77.59	
			For High Strength Low Alloy A572-50 Steel, Add	32.82	
			For High Strength Low Alloy A588 Steel, Add	72.94	
			For Each Additional Top Copes >2, Add	2.80	
			For Structural Tees, WT, MT Or ST, Deduct	-114.89	
			For Skewed Or Sloped Connections, Add	43.77	
05 12 23 00-0238	LF		W36 x 160 A992/A36 Structural Beam Or Girder	361.23	91.96
			For Hot Dip Galvanizing, Add	73.03	
			For High Strength Low Alloy A572-50 Steel, Add	32.51	
			For High Strength Low Alloy A588 Steel, Add	72.25	
			For Each Additional Top Copes >2, Add	2.63	
			For Structural Tees, WT, MT Or ST, Deduct	-111.72	
			For Skewed Or Sloped Connections, Add	43.35	
05 12 23 00-0239	LF		W36 x 150 A992/A36 Structural Beam Or Girder	346.77	91.29
			For Hot Dip Galvanizing, Add	69.20	
			For High Strength Low Alloy A572-50 Steel, Add	31.21	
			For High Strength Low Alloy A588 Steel, Add	69.35	
			For Each Additional Top Copes >2, Add	2.49	
			For Structural Tees, WT, MT Or ST, Deduct	-106.76	
			For Skewed Or Sloped Connections, Add	41.61	
05 12 23 00-0240	LF		W36 x 135 A992/A36 Structural Beam Or Girder	326.56	90.50
			For Hot Dip Galvanizing, Add	63.85	
			For High Strength Low Alloy A572-50 Steel, Add	29.39	
			For High Strength Low Alloy A588 Steel, Add	65.31	
			For Each Additional Top Copes >2, Add	2.30	
			For Structural Tees, WT, MT Or ST, Deduct	-99.83	
			For Skewed Or Sloped Connections, Add	39.19	
05 12 23 00-0241	LF		W33 x 241 A992/A36 Structural Beam Or Girder	473.09	86.47
			For Hot Dip Galvanizing, Add	105.69	
			For High Strength Low Alloy A572-50 Steel, Add	42.58	
			For High Strength Low Alloy A588 Steel, Add	94.62	
			For Each Additional Top Copes >2, Add	3.81	
			For Structural Tees, WT, MT Or ST, Deduct	-151.75	
			For Skewed Or Sloped Connections, Add	56.77	
05 12 23 00-0242	LF		W33 x 221 A992/A36 Structural Beam Or Girder	439.23	84.34
			For Hot Dip Galvanizing, Add	96.92	
			For High Strength Low Alloy A572-50 Steel, Add	39.53	
			For High Strength Low Alloy A588 Steel, Add	87.85	
			For Each Additional Top Copes >2, Add	3.49	
			For Structural Tees, WT, MT Or ST, Deduct	-140.24	
			For Skewed Or Sloped Connections, Add	52.71	
05 12 23 00-0243	LF		W33 x 201 A992/A36 Structural Beam Or Girder	418.35	94.34
			For Hot Dip Galvanizing, Add	88.15	
			For High Strength Low Alloy A572-50 Steel, Add	37.65	
			For High Strength Low Alloy A588 Steel, Add	83.67	
			For Each Additional Top Copes >2, Add	3.18	
			For Structural Tees, WT, MT Or ST, Deduct	-131.32	
			For Skewed Or Sloped Connections, Add	50.20	
05 12 23 00-0244	LF		W33 x 170 A992/A36 Structural Beam Or Girder	376.75	92.63
			For Hot Dip Galvanizing, Add	77.15	
			For High Strength Low Alloy A572-50 Steel, Add	33.91	
			For High Strength Low Alloy A588 Steel, Add	75.35	
			For Each Additional Top Copes >2, Add	2.78	
			For Structural Tees, WT, MT Or ST, Deduct	-117.05	
			For Skewed Or Sloped Connections, Add	45.21	
05 12 23 00-0245	LF		W33 x 152 A992/A36 Structural Beam Or Girder	341.85	79.54
			For Hot Dip Galvanizing, Add	71.32	
			For High Strength Low Alloy A572-50 Steel, Add	30.77	
			For High Strength Low Alloy A588 Steel, Add	68.37	
			For Each Additional Top Copes >2, Add	2.57	
			For Structural Tees, WT, MT Or ST, Deduct	-106.92	
			For Skewed Or Sloped Connections, Add	41.02	
05 12 23 00-0246	LF		W33 x 141 A992/A36 Structural Beam Or Girder	335.28	90.77
			For Hot Dip Galvanizing, Add	66.16	
			For High Strength Low Alloy A572-50 Steel, Add	30.18	
			For High Strength Low Alloy A588 Steel, Add	67.06	
			For Each Additional Top Copes >2, Add	2.38	
			For Structural Tees, WT, MT Or ST, Deduct	-102.82	
			For Skewed Or Sloped Connections, Add	40.23	
05 12 23 00-0247	LF		W33 x 130 A992/A36 Structural Beam Or Girder	318.92	90.10
			For Hot Dip Galvanizing, Add	61.84	
			For High Strength Low Alloy A572-50 Steel, Add	28.70	
			For High Strength Low Alloy A588 Steel, Add	63.78	
			For Each Additional Top Copes >2, Add	2.23	
			For Structural Tees, WT, MT Or ST, Deduct	-97.21	
			For Skewed Or Sloped Connections, Add	38.27	
05 12 23 00-0248	LF		W33 x 118 A992/A36 Structural Beam Or Girder	299.90	89.31
			For Hot Dip Galvanizing, Add	56.78	
			For High Strength Low Alloy A572-50 Steel, Add	26.99	
			For High Strength Low Alloy A588 Steel, Add	59.98	
			For Each Additional Top Copes >2, Add	2.05	
			For Structural Tees, WT, MT Or ST, Deduct	-90.67	
			For Skewed Or Sloped Connections, Add	35.99	
05 12 23 00-0249	LF		W30 x 211 A992/A36 Structural Beam Or Girder	421.56	84.18
			For Hot Dip Galvanizing, Add	92.06	
			For High Strength Low Alloy A572-50 Steel, Add	37.94	
			For High Strength Low Alloy A588 Steel, Add	84.31	
			For Each Additional Top Copes >2, Add	3.32	
			For Structural Tees, WT, MT Or ST, Deduct	-134.08	
			For Skewed Or Sloped Connections, Add	50.59	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0250	LF	W30 x 191 A992/A36 Structural Beam Or Girder	400.37	93.69
		For Hot Dip Galvanizing, Add	83.34	
		For High Strength Low Alloy A572-50 Steel, Add	36.03	
		For High Strength Low Alloy A588 Steel, Add	80.07	
		For Each Additional Top Copes >2, Add	3.00	
		For Structural Tees, WT, MT Or ST, Deduct	-125.12	
		For Skewed Or Sloped Connections, Add	48.04	
05 12 23 00-0251	LF	W30 x 173 A992/A36 Structural Beam Or Girder	366.04	80.34
		For Hot Dip Galvanizing, Add	77.80	
		For High Strength Low Alloy A572-50 Steel, Add	32.94	
		For High Strength Low Alloy A588 Steel, Add	73.21	
		For Each Additional Top Copes >2, Add	2.80	
		For Structural Tees, WT, MT Or ST, Deduct	-115.26	
		For Skewed Or Sloped Connections, Add	43.92	
05 12 23 00-0252	LF	W30 x 154 A992/A36 Structural Beam Or Girder	347.08	91.43
		For Hot Dip Galvanizing, Add	69.25	
		For High Strength Low Alloy A572-50 Steel, Add	31.24	
		For High Strength Low Alloy A588 Steel, Add	69.42	
		For Each Additional Top Copes >2, Add	2.50	
		For Structural Tees, WT, MT Or ST, Deduct	-106.85	
		For Skewed Or Sloped Connections, Add	41.65	
05 12 23 00-0253	LF	W30 x 132 A992/A36 Structural Beam Or Girder	308.90	77.51
		For Hot Dip Galvanizing, Add	62.78	
		For High Strength Low Alloy A572-50 Steel, Add	27.80	
		For High Strength Low Alloy A588 Steel, Add	61.78	
		For Each Additional Top Copes >2, Add	2.26	
		For Structural Tees, WT, MT Or ST, Deduct	-95.71	
		For Skewed Or Sloped Connections, Add	37.07	
05 12 23 00-0254	LF	W30 x 124 A992/A36 Structural Beam Or Girder	295.15	77.47
		For Hot Dip Galvanizing, Add	58.97	
		For High Strength Low Alloy A572-50 Steel, Add	26.56	
		For High Strength Low Alloy A588 Steel, Add	59.03	
		For Each Additional Top Copes >2, Add	2.13	
		For Structural Tees, WT, MT Or ST, Deduct	-90.91	
		For Skewed Or Sloped Connections, Add	35.42	
05 12 23 00-0255	LF	W30 x 116 A992/A36 Structural Beam Or Girder	293.94	89.18
		For Hot Dip Galvanizing, Add	55.17	
		For High Strength Low Alloy A572-50 Steel, Add	26.45	
		For High Strength Low Alloy A588 Steel, Add	58.79	
		For Each Additional Top Copes >2, Add	1.99	
		For Structural Tees, WT, MT Or ST, Deduct	-88.61	
		For Skewed Or Sloped Connections, Add	35.27	
05 12 23 00-0256	LF	W30 x 108 A992/A36 Structural Beam Or Girder	271.66	80.30
		For Hot Dip Galvanizing, Add	51.63	
		For High Strength Low Alloy A572-50 Steel, Add	24.45	
		For High Strength Low Alloy A588 Steel, Add	54.33	
		For Each Additional Top Copes >2, Add	1.86	
		For Structural Tees, WT, MT Or ST, Deduct	-82.24	
		For Skewed Or Sloped Connections, Add	32.60	
05 12 23 00-0257	LF	W30 x 99 A992/A36 Structural Beam Or Girder	259.99	79.90
		For Hot Dip Galvanizing, Add	48.54	
		For High Strength Low Alloy A572-50 Steel, Add	23.40	
		For High Strength Low Alloy A588 Steel, Add	52.00	
		For Each Additional Top Copes >2, Add	1.75	
		For Structural Tees, WT, MT Or ST, Deduct	-78.24	
		For Skewed Or Sloped Connections, Add	31.20	
05 12 23 00-0258	LF	W27 x 178 A992/A36 Structural Beam Or Girder	407.44	94.07
		For Hot Dip Galvanizing, Add	85.22	
		For High Strength Low Alloy A572-50 Steel, Add	36.67	
		For High Strength Low Alloy A588 Steel, Add	81.49	
		For Each Additional Top Copes >2, Add	3.07	
		For Structural Tees, WT, MT Or ST, Deduct	-127.55	
		For Skewed Or Sloped Connections, Add	48.89	
05 12 23 00-0259	LF	W27 x 161 A992/A36 Structural Beam Or Girder	374.33	90.52
		For Hot Dip Galvanizing, Add	77.08	
		For High Strength Low Alloy A572-50 Steel, Add	33.69	
		For High Strength Low Alloy A588 Steel, Add	74.87	
		For Each Additional Top Copes >2, Add	2.78	
		For Structural Tees, WT, MT Or ST, Deduct	-116.53	
		For Skewed Or Sloped Connections, Add	44.92	
05 12 23 00-0260	LF	W27 x 146 A992/A36 Structural Beam Or Girder	345.03	87.32
		For Hot Dip Galvanizing, Add	69.90	
		For High Strength Low Alloy A572-50 Steel, Add	31.05	
		For High Strength Low Alloy A588 Steel, Add	69.01	
		For Each Additional Top Copes >2, Add	2.52	
		For Structural Tees, WT, MT Or ST, Deduct	-106.79	
		For Skewed Or Sloped Connections, Add	41.40	
05 12 23 00-0261	LF	W27 x 114 A992/A36 Structural Beam Or Girder	274.05	72.54
		For Hot Dip Galvanizing, Add	54.58	
		For High Strength Low Alloy A572-50 Steel, Add	24.66	
		For High Strength Low Alloy A588 Steel, Add	54.81	
		For Each Additional Top Copes >2, Add	1.97	
		For Structural Tees, WT, MT Or ST, Deduct	-84.31	
		For Skewed Or Sloped Connections, Add	32.89	
05 12 23 00-0262	LF	W27 x 102 A992/A36 Structural Beam Or Girder	261.18	79.90
		For Hot Dip Galvanizing, Add	48.83	
		For High Strength Low Alloy A572-50 Steel, Add	23.51	
		For High Strength Low Alloy A588 Steel, Add	52.24	
		For Each Additional Top Copes >2, Add	1.76	
		For Structural Tees, WT, MT Or ST, Deduct	-78.63	
		For Skewed Or Sloped Connections, Add	31.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0263	LF		W27 x 94 A992/A36 Structural Beam Or Girder	250.21	79.37
			For Hot Dip Galvanizing, Add	45.94	
			For High Strength Low Alloy A572-50 Steel, Add	22.52	
			For High Strength Low Alloy A588 Steel, Add	50.04	
			For Each Additional Top Copes >2, Add	1.66	
			For Structural Tees, WT, MT Or ST, Deduct	-74.87	
			For Skewed Or Sloped Connections, Add	30.03	
05 12 23 00-0264	LF		W27 x 84 A992/A36 Structural Beam Or Girder	236.82	78.84
			For Hot Dip Galvanizing, Add	42.40	
			For High Strength Low Alloy A572-50 Steel, Add	21.31	
			For High Strength Low Alloy A588 Steel, Add	47.36	
			For Each Additional Top Copes >2, Add	1.53	
			For Structural Tees, WT, MT Or ST, Deduct	-70.29	
			For Skewed Or Sloped Connections, Add	28.42	
05 12 23 00-0265	LF		W24 x 162 A992/A36 Structural Beam Or Girder	360.50	86.79
			For Hot Dip Galvanizing, Add	74.35	
			For High Strength Low Alloy A572-50 Steel, Add	32.45	
			For High Strength Low Alloy A588 Steel, Add	72.10	
			For Each Additional Top Copes >2, Add	2.68	
			For Structural Tees, WT, MT Or ST, Deduct	-112.29	
			For Skewed Or Sloped Connections, Add	43.26	
05 12 23 00-0266	LF		W24 x 146 A992/A36 Structural Beam Or Girder	330.22	83.20
			For Hot Dip Galvanizing, Add	67.01	
			For High Strength Low Alloy A572-50 Steel, Add	29.72	
			For High Strength Low Alloy A588 Steel, Add	66.04	
			For Each Additional Top Copes >2, Add	2.41	
			For Structural Tees, WT, MT Or ST, Deduct	-102.26	
			For Skewed Or Sloped Connections, Add	39.63	
05 12 23 00-0267	LF		W24 x 131 A992/A36 Structural Beam Or Girder	301.37	79.42
			For Hot Dip Galvanizing, Add	60.12	
			For High Strength Low Alloy A572-50 Steel, Add	27.12	
			For High Strength Low Alloy A588 Steel, Add	60.27	
			For Each Additional Top Copes >2, Add	2.17	
			For Structural Tees, WT, MT Or ST, Deduct	-92.77	
			For Skewed Or Sloped Connections, Add	36.16	
05 12 23 00-0268	LF		W24 x 117 A992/A36 Structural Beam Or Girder	273.98	75.46
			For Hot Dip Galvanizing, Add	53.70	
			For High Strength Low Alloy A572-50 Steel, Add	24.66	
			For High Strength Low Alloy A588 Steel, Add	54.80	
			For Each Additional Top Copes >2, Add	1.94	
			For Structural Tees, WT, MT Or ST, Deduct	-83.82	
			For Skewed Or Sloped Connections, Add	32.88	
05 12 23 00-0269	LF		W24 x 104 A992/A36 Structural Beam Or Girder	248.11	71.36
			For Hot Dip Galvanizing, Add	47.73	
			For High Strength Low Alloy A572-50 Steel, Add	22.33	
			For High Strength Low Alloy A588 Steel, Add	49.62	
			For Each Additional Top Copes >2, Add	1.72	
			For Structural Tees, WT, MT Or ST, Deduct	-75.42	
			For Skewed Or Sloped Connections, Add	29.77	
05 12 23 00-0270	LF		W24 x 94 A992/A36 Structural Beam Or Girder	240.13	79.37
			For Hot Dip Galvanizing, Add	43.14	
			For High Strength Low Alloy A572-50 Steel, Add	21.61	
			For High Strength Low Alloy A588 Steel, Add	48.03	
			For Each Additional Top Copes >2, Add	1.55	
			For Structural Tees, WT, MT Or ST, Deduct	-71.35	
			For Skewed Or Sloped Connections, Add	28.82	
05 12 23 00-0271	LF		W24 x 84 A992/A36 Structural Beam Or Girder	218.75	70.36
			For Hot Dip Galvanizing, Add	39.85	
			For High Strength Low Alloy A572-50 Steel, Add	19.69	
			For High Strength Low Alloy A588 Steel, Add	43.75	
			For Each Additional Top Copes >2, Add	1.44	
			For Structural Tees, WT, MT Or ST, Deduct	-65.29	
			For Skewed Or Sloped Connections, Add	26.25	
05 12 23 00-0272	LF		W24 x 76 A992/A36 Structural Beam Or Girder	208.49	69.83
			For Hot Dip Galvanizing, Add	37.15	
			For High Strength Low Alloy A572-50 Steel, Add	18.76	
			For High Strength Low Alloy A588 Steel, Add	41.70	
			For Each Additional Top Copes >2, Add	1.34	
			For Structural Tees, WT, MT Or ST, Deduct	-61.78	
			For Skewed Or Sloped Connections, Add	25.02	
05 12 23 00-0273	LF		W24 x 68 A992/A36 Structural Beam Or Girder	195.59	69.43
			For Hot Dip Galvanizing, Add	33.72	
			For High Strength Low Alloy A572-50 Steel, Add	17.60	
			For High Strength Low Alloy A588 Steel, Add	39.12	
			For Each Additional Top Copes >2, Add	1.22	
			For Structural Tees, WT, MT Or ST, Deduct	-57.34	
			For Skewed Or Sloped Connections, Add	23.47	
05 12 23 00-0274	LF		W24 x 62 A992/A36 Structural Beam Or Girder	188.81	69.04
			For Hot Dip Galvanizing, Add	31.95	
			For High Strength Low Alloy A572-50 Steel, Add	16.99	
			For High Strength Low Alloy A588 Steel, Add	37.76	
			For Each Additional Top Copes >2, Add	1.15	
			For Structural Tees, WT, MT Or ST, Deduct	-55.03	
			For Skewed Or Sloped Connections, Add	22.66	
05 12 23 00-0275	LF		W24 x 55 A992/A36 Structural Beam Or Girder	179.58	68.77
			For Hot Dip Galvanizing, Add	29.50	
			For High Strength Low Alloy A572-50 Steel, Add	16.16	
			For High Strength Low Alloy A588 Steel, Add	35.92	
			For Each Additional Top Copes >2, Add	1.06	
			For Structural Tees, WT, MT Or ST, Deduct	-51.86	
			For Skewed Or Sloped Connections, Add	21.55	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0276	LF	W21 x 147 A992/A36 Structural Beam Or Girder	314.87	71.37
		For Hot Dip Galvanizing, Add	66.25	
		For High Strength Low Alloy A572-50 Steel, Add	28.34	
		For High Strength Low Alloy A588 Steel, Add	62.97	
		For Each Additional Top Copes >2, Add	2.39	
		For Structural Tees, WT, MT Or ST, Deduct	-98.79	
		For Skewed Or Sloped Connections, Add	37.78	
05 12 23 00-0277	LF	W21 x 132 A992/A36 Structural Beam Or Girder	287.11	68.18
		For Hot Dip Galvanizing, Add	59.49	
		For High Strength Low Alloy A572-50 Steel, Add	25.84	
		For High Strength Low Alloy A588 Steel, Add	57.42	
		For Each Additional Top Copes >2, Add	2.14	
		For Structural Tees, WT, MT Or ST, Deduct	-89.58	
		For Skewed Or Sloped Connections, Add	34.45	
05 12 23 00-0278	LF	W21 x 122 A992/A36 Structural Beam Or Girder	269.64	67.04
		For Hot Dip Galvanizing, Add	54.98	
		For High Strength Low Alloy A572-50 Steel, Add	24.27	
		For High Strength Low Alloy A588 Steel, Add	53.93	
		For Each Additional Top Copes >2, Add	1.98	
		For Structural Tees, WT, MT Or ST, Deduct	-83.65	
		For Skewed Or Sloped Connections, Add	32.36	
05 12 23 00-0279	LF	W21 x 111 A992/A36 Structural Beam Or Girder	249.50	64.89
		For Hot Dip Galvanizing, Add	50.03	
		For High Strength Low Alloy A572-50 Steel, Add	22.46	
		For High Strength Low Alloy A588 Steel, Add	49.90	
		For Each Additional Top Copes >2, Add	1.80	
		For Structural Tees, WT, MT Or ST, Deduct	-76.94	
		For Skewed Or Sloped Connections, Add	29.94	
05 12 23 00-0280	LF	W21 x 101 A992/A36 Structural Beam Or Girder	231.03	62.81
		For Hot Dip Galvanizing, Add	45.52	
		For High Strength Low Alloy A572-50 Steel, Add	20.79	
		For High Strength Low Alloy A588 Steel, Add	46.21	
		For Each Additional Top Copes >2, Add	1.64	
		For Structural Tees, WT, MT Or ST, Deduct	-70.81	
		For Skewed Or Sloped Connections, Add	27.72	
05 12 23 00-0281	LF	W21 x 93 A992/A36 Structural Beam Or Girder	226.96	71.16
		For Hot Dip Galvanizing, Add	41.91	
		For High Strength Low Alloy A572-50 Steel, Add	20.43	
		For High Strength Low Alloy A588 Steel, Add	45.39	
		For Each Additional Top Copes >2, Add	1.51	
		For Structural Tees, WT, MT Or ST, Deduct	-68.05	
		For Skewed Or Sloped Connections, Add	27.24	
05 12 23 00-0282	LF	W21 x 83 A992/A36 Structural Beam Or Girder	214.86	70.36
		For Hot Dip Galvanizing, Add	38.77	
		For High Strength Low Alloy A572-50 Steel, Add	19.34	
		For High Strength Low Alloy A588 Steel, Add	42.97	
		For Each Additional Top Copes >2, Add	1.40	
		For Structural Tees, WT, MT Or ST, Deduct	-63.93	
		For Skewed Or Sloped Connections, Add	25.78	
05 12 23 00-0283	LF	W21 x 73 A992/A36 Structural Beam Or Girder	200.04	69.83
		For Hot Dip Galvanizing, Add	34.85	
		For High Strength Low Alloy A572-50 Steel, Add	18.00	
		For High Strength Low Alloy A588 Steel, Add	40.01	
		For Each Additional Top Copes >2, Add	1.26	
		For Structural Tees, WT, MT Or ST, Deduct	-58.84	
		For Skewed Or Sloped Connections, Add	24.00	
05 12 23 00-0284	LF	W21 x 68 A992/A36 Structural Beam Or Girder	192.58	69.43
		For Hot Dip Galvanizing, Add	32.88	
		For High Strength Low Alloy A572-50 Steel, Add	17.33	
		For High Strength Low Alloy A588 Steel, Add	38.52	
		For Each Additional Top Copes >2, Add	1.19	
		For Structural Tees, WT, MT Or ST, Deduct	-56.29	
		For Skewed Or Sloped Connections, Add	23.11	
05 12 23 00-0285	LF	W21 x 62 A992/A36 Structural Beam Or Girder	185.80	69.04
		For Hot Dip Galvanizing, Add	31.12	
		For High Strength Low Alloy A572-50 Steel, Add	16.72	
		For High Strength Low Alloy A588 Steel, Add	37.16	
		For Each Additional Top Copes >2, Add	1.12	
		For Structural Tees, WT, MT Or ST, Deduct	-53.98	
		For Skewed Or Sloped Connections, Add	22.30	
05 12 23 00-0286	LF	W21 x 57 A992/A36 Structural Beam Or Girder	179.71	68.91
		For Hot Dip Galvanizing, Add	29.50	
		For High Strength Low Alloy A572-50 Steel, Add	16.17	
		For High Strength Low Alloy A588 Steel, Add	35.94	
		For Each Additional Top Copes >2, Add	1.06	
		For Structural Tees, WT, MT Or ST, Deduct	-51.89	
		For Skewed Or Sloped Connections, Add	21.57	
05 12 23 00-0287	LF	W21 x 50 A992/A36 Structural Beam Or Girder	159.20	59.76
		For Hot Dip Galvanizing, Add	26.45	
		For High Strength Low Alloy A572-50 Steel, Add	14.33	
		For High Strength Low Alloy A588 Steel, Add	31.84	
		For Each Additional Top Copes >2, Add	0.95	
		For Structural Tees, WT, MT Or ST, Deduct	-46.14	
		For Skewed Or Sloped Connections, Add	19.10	
05 12 23 00-0288	LF	W21 x 44 A992/A36 Structural Beam Or Girder	152.08	59.50
		For Hot Dip Galvanizing, Add	24.59	
		For High Strength Low Alloy A572-50 Steel, Add	13.69	
		For High Strength Low Alloy A588 Steel, Add	30.42	
		For Each Additional Top Copes >2, Add	0.89	
		For Structural Tees, WT, MT Or ST, Deduct	-43.71	
		For Skewed Or Sloped Connections, Add	18.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0289	LF		W18 x 119 A992/A36 Structural Beam Or Girder	262.42	66.81
			For Hot Dip Galvanizing, Add	53.05	
			For High Strength Low Alloy A572-50 Steel, Add	23.62	
			For High Strength Low Alloy A588 Steel, Add	52.48	
			For Each Additional Top Copes >2, Add	1.91	
			For Structural Tees, WT, MT Or ST, Deduct	-81.16	
			For Skewed Or Sloped Connections, Add	31.49	
05 12 23 00-0290	LF		W18 x 106 A992/A36 Structural Beam Or Girder	237.80	63.31
			For Hot Dip Galvanizing, Add	47.25	
			For High Strength Low Alloy A572-50 Steel, Add	21.40	
			For High Strength Low Alloy A588 Steel, Add	47.56	
			For Each Additional Top Copes >2, Add	1.70	
			For Structural Tees, WT, MT Or ST, Deduct	-73.10	
			For Skewed Or Sloped Connections, Add	28.54	
05 12 23 00-0291	LF		W18 x 97 A992/A36 Structural Beam Or Girder	231.88	71.16
			For Hot Dip Galvanizing, Add	43.24	
			For High Strength Low Alloy A572-50 Steel, Add	20.87	
			For High Strength Low Alloy A588 Steel, Add	46.38	
			For Each Additional Top Copes >2, Add	1.56	
			For Structural Tees, WT, MT Or ST, Deduct	-69.75	
			For Skewed Or Sloped Connections, Add	27.83	
05 12 23 00-0292	LF		W18 x 86 A992/A36 Structural Beam Or Girder	217.99	70.49
			For Hot Dip Galvanizing, Add	39.61	
			For High Strength Low Alloy A572-50 Steel, Add	19.62	
			For High Strength Low Alloy A588 Steel, Add	43.60	
			For Each Additional Top Copes >2, Add	1.43	
			For Structural Tees, WT, MT Or ST, Deduct	-65.01	
			For Skewed Or Sloped Connections, Add	26.16	
05 12 23 00-0293	LF		W18 x 76 A992/A36 Structural Beam Or Girder	205.48	69.83
			For Hot Dip Galvanizing, Add	36.32	
			For High Strength Low Alloy A572-50 Steel, Add	18.49	
			For High Strength Low Alloy A588 Steel, Add	41.10	
			For Each Additional Top Copes >2, Add	1.31	
			For Structural Tees, WT, MT Or ST, Deduct	-60.73	
			For Skewed Or Sloped Connections, Add	24.66	
05 12 23 00-0294	LF		W18 x 71 A992/A36 Structural Beam Or Girder	196.38	69.69
			For Hot Dip Galvanizing, Add	33.87	
			For High Strength Low Alloy A572-50 Steel, Add	17.67	
			For High Strength Low Alloy A588 Steel, Add	39.28	
			For Each Additional Top Copes >2, Add	1.22	
			For Structural Tees, WT, MT Or ST, Deduct	-57.58	
			For Skewed Or Sloped Connections, Add	23.57	
05 12 23 00-0295	LF		W18 x 65 A992/A36 Structural Beam Or Girder	187.48	69.43
			For Hot Dip Galvanizing, Add	31.51	
			For High Strength Low Alloy A572-50 Steel, Add	16.87	
			For High Strength Low Alloy A588 Steel, Add	37.50	
			For Each Additional Top Copes >2, Add	1.14	
			For Structural Tees, WT, MT Or ST, Deduct	-54.53	
			For Skewed Or Sloped Connections, Add	22.50	
05 12 23 00-0296	LF		W18 x 60 A992/A36 Structural Beam Or Girder	179.48	68.91
			For Hot Dip Galvanizing, Add	29.40	
			For High Strength Low Alloy A572-50 Steel, Add	16.15	
			For High Strength Low Alloy A588 Steel, Add	35.90	
			For Each Additional Top Copes >2, Add	1.06	
			For Structural Tees, WT, MT Or ST, Deduct	-51.79	
			For Skewed Or Sloped Connections, Add	21.54	
05 12 23 00-0297	LF		W18 x 55 A992/A36 Structural Beam Or Girder	171.44	68.77
			For Hot Dip Galvanizing, Add	27.24	
			For High Strength Low Alloy A572-50 Steel, Add	15.43	
			For High Strength Low Alloy A588 Steel, Add	34.29	
			For Each Additional Top Copes >2, Add	0.98	
			For Structural Tees, WT, MT Or ST, Deduct	-49.01	
			For Skewed Or Sloped Connections, Add	20.57	
05 12 23 00-0298	LF		W18 x 50 A992/A36 Structural Beam Or Girder	154.25	59.76
			For Hot Dip Galvanizing, Add	25.08	
			For High Strength Low Alloy A572-50 Steel, Add	13.88	
			For High Strength Low Alloy A588 Steel, Add	30.85	
			For Each Additional Top Copes >2, Add	0.90	
			For Structural Tees, WT, MT Or ST, Deduct	-44.41	
			For Skewed Or Sloped Connections, Add	18.51	
05 12 23 00-0299	LF		W18 x 46 A992/A36 Structural Beam Or Girder	147.96	59.63
			For Hot Dip Galvanizing, Add	23.41	
			For High Strength Low Alloy A572-50 Steel, Add	13.32	
			For High Strength Low Alloy A588 Steel, Add	29.59	
			For Each Additional Top Copes >2, Add	0.84	
			For Structural Tees, WT, MT Or ST, Deduct	-42.25	
			For Skewed Or Sloped Connections, Add	17.76	
05 12 23 00-0300	LF		W18 x 40 A992/A36 Structural Beam Or Girder	129.32	50.88
			For Hot Dip Galvanizing, Add	20.81	
			For High Strength Low Alloy A572-50 Steel, Add	11.64	
			For High Strength Low Alloy A588 Steel, Add	25.86	
			For Each Additional Top Copes >2, Add	0.75	
			For Structural Tees, WT, MT Or ST, Deduct	-37.11	
			For Skewed Or Sloped Connections, Add	15.52	
05 12 23 00-0301	LF		W18 x 35 A992/A36 Structural Beam Or Girder	121.45	50.75
			For Hot Dip Galvanizing, Add	18.70	
			For High Strength Low Alloy A572-50 Steel, Add	10.93	
			For High Strength Low Alloy A588 Steel, Add	24.29	
			For Each Additional Top Copes >2, Add	0.67	
			For Structural Tees, WT, MT Or ST, Deduct	-34.40	
			For Skewed Or Sloped Connections, Add	14.57	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0302	LF	W16 x 100 A992/A36 Structural Beam Or Girder	216.78	46.25
		For Hot Dip Galvanizing, Add	46.48	
		For High Strength Low Alloy A572-50 Steel, Add	19.51	
		For High Strength Low Alloy A588 Steel, Add	43.36	
		For Each Additional Top Copes >2, Add	1.67	
		For Structural Tees, WT, MT Or ST, Deduct	-68.48	
		For Skewed Or Sloped Connections, Add	26.01	
05 12 23 00-0303	LF	W16 x 89 A992/A36 Structural Beam Or Girder	199.01	45.45
		For Hot Dip Galvanizing, Add	41.77	
		For High Strength Low Alloy A572-50 Steel, Add	17.91	
		For High Strength Low Alloy A588 Steel, Add	39.80	
		For Each Additional Top Copes >2, Add	1.51	
		For Structural Tees, WT, MT Or ST, Deduct	-62.38	
		For Skewed Or Sloped Connections, Add	23.88	
05 12 23 00-0304	LF	W16 x 77 A992/A36 Structural Beam Or Girder	179.95	44.92
		For Hot Dip Galvanizing, Add	36.66	
		For High Strength Low Alloy A572-50 Steel, Add	16.20	
		For High Strength Low Alloy A588 Steel, Add	35.99	
		For Each Additional Top Copes >2, Add	1.32	
		For Structural Tees, WT, MT Or ST, Deduct	-55.81	
		For Skewed Or Sloped Connections, Add	21.59	
05 12 23 00-0305	LF	W16 x 67 A992/A36 Structural Beam Or Girder	163.73	44.26
		For Hot Dip Galvanizing, Add	32.34	
		For High Strength Low Alloy A572-50 Steel, Add	14.74	
		For High Strength Low Alloy A588 Steel, Add	32.75	
		For Each Additional Top Copes >2, Add	1.17	
		For Structural Tees, WT, MT Or ST, Deduct	-50.23	
		For Skewed Or Sloped Connections, Add	19.65	
05 12 23 00-0306	LF	W16 x 57 A992/A36 Structural Beam Or Girder	147.68	43.59
		For Hot Dip Galvanizing, Add	28.07	
		For High Strength Low Alloy A572-50 Steel, Add	13.29	
		For High Strength Low Alloy A588 Steel, Add	29.54	
		For Each Additional Top Copes >2, Add	1.01	
		For Structural Tees, WT, MT Or ST, Deduct	-44.71	
		For Skewed Or Sloped Connections, Add	17.72	
05 12 23 00-0307	LF	W16 x 50 A992/A36 Structural Beam Or Girder	136.50	43.20
		For Hot Dip Galvanizing, Add	25.08	
		For High Strength Low Alloy A572-50 Steel, Add	12.29	
		For High Strength Low Alloy A588 Steel, Add	27.30	
		For Each Additional Top Copes >2, Add	0.90	
		For Structural Tees, WT, MT Or ST, Deduct	-40.86	
		For Skewed Or Sloped Connections, Add	16.38	
05 12 23 00-0308	LF	W16 x 45 A992/A36 Structural Beam Or Girder	128.61	42.93
		For Hot Dip Galvanizing, Add	22.97	
		For High Strength Low Alloy A572-50 Steel, Add	11.57	
		For High Strength Low Alloy A588 Steel, Add	25.72	
		For Each Additional Top Copes >2, Add	0.83	
		For Structural Tees, WT, MT Or ST, Deduct	-38.14	
		For Skewed Or Sloped Connections, Add	15.43	
05 12 23 00-0309	LF	W16 x 40 A992/A36 Structural Beam Or Girder	120.44	42.53
		For Hot Dip Galvanizing, Add	20.81	
		For High Strength Low Alloy A572-50 Steel, Add	10.84	
		For High Strength Low Alloy A588 Steel, Add	24.09	
		For Each Additional Top Copes >2, Add	0.75	
		For Structural Tees, WT, MT Or ST, Deduct	-35.34	
		For Skewed Or Sloped Connections, Add	14.45	
05 12 23 00-0310	LF	W16 x 36 A992/A36 Structural Beam Or Girder	114.04	42.27
		For Hot Dip Galvanizing, Add	19.14	
		For High Strength Low Alloy A572-50 Steel, Add	10.26	
		For High Strength Low Alloy A588 Steel, Add	22.81	
		For Each Additional Top Copes >2, Add	0.69	
		For Structural Tees, WT, MT Or ST, Deduct	-33.16	
		For Skewed Or Sloped Connections, Add	13.68	
05 12 23 00-0311	LF	W16 x 31 A992/A36 Structural Beam Or Girder	97.11	33.66
		For Hot Dip Galvanizing, Add	16.98	
		For High Strength Low Alloy A572-50 Steel, Add	8.74	
		For High Strength Low Alloy A588 Steel, Add	19.42	
		For Each Additional Top Copes >2, Add	0.61	
		For Structural Tees, WT, MT Or ST, Deduct	-28.60	
		For Skewed Or Sloped Connections, Add	11.65	
05 12 23 00-0312	LF	W16 x 26 A992/A36 Structural Beam Or Girder	86.82	33.26
		For Hot Dip Galvanizing, Add	14.24	
		For High Strength Low Alloy A572-50 Steel, Add	7.81	
		For High Strength Low Alloy A588 Steel, Add	17.36	
		For Each Additional Top Copes >2, Add	0.51	
		For Structural Tees, WT, MT Or ST, Deduct	-25.06	
		For Skewed Or Sloped Connections, Add	10.42	
05 12 23 00-0313	LF	W14 x 99 A992/A36 Structural Beam Or Girder	206.31	37.90
		For Hot Dip Galvanizing, Add	46.04	
		For High Strength Low Alloy A572-50 Steel, Add	18.57	
		For High Strength Low Alloy A588 Steel, Add	41.26	
		For Each Additional Top Copes >2, Add	1.66	
		For Structural Tees, WT, MT Or ST, Deduct	-66.15	
		For Skewed Or Sloped Connections, Add	24.76	
05 12 23 00-0314	LF	W14 x 90 A992/A36 Structural Beam Or Girder	191.84	37.23
		For Hot Dip Galvanizing, Add	42.21	
		For High Strength Low Alloy A572-50 Steel, Add	17.27	
		For High Strength Low Alloy A588 Steel, Add	38.37	
		For Each Additional Top Copes >2, Add	1.52	
		For Structural Tees, WT, MT Or ST, Deduct	-61.18	
		For Skewed Or Sloped Connections, Add	23.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0315	LF		W14 x 82 A992/A36 Structural Beam Or Girder	178.94	36.84
			For Hot Dip Galvanizing, Add	38.77	
			For High Strength Low Alloy A572-50 Steel, Add	16.10	
			For High Strength Low Alloy A588 Steel, Add	35.79	
			For Each Additional Top Copes >2, Add	1.40	
			For Structural Tees, WT, MT Or ST, Deduct	-56.75	
			For Skewed Or Sloped Connections, Add	21.47	
05 12 23 00-0316	LF		W14 x 74 A992/A36 Structural Beam Or Girder	166.05	36.31
			For Hot Dip Galvanizing, Add	35.34	
			For High Strength Low Alloy A572-50 Steel, Add	14.94	
			For High Strength Low Alloy A588 Steel, Add	33.21	
			For Each Additional Top Copes >2, Add	1.27	
			For Structural Tees, WT, MT Or ST, Deduct	-52.31	
			For Skewed Or Sloped Connections, Add	19.93	
05 12 23 00-0317	LF		W14 x 68 A992/A36 Structural Beam Or Girder	156.44	35.91
			For Hot Dip Galvanizing, Add	32.79	
			For High Strength Low Alloy A572-50 Steel, Add	14.08	
			For High Strength Low Alloy A588 Steel, Add	31.29	
			For Each Additional Top Copes >2, Add	1.18	
			For Structural Tees, WT, MT Or ST, Deduct	-49.01	
			For Skewed Or Sloped Connections, Add	18.77	
05 12 23 00-0318	LF		W14 x 61 A992/A36 Structural Beam Or Girder	145.26	35.51
			For Hot Dip Galvanizing, Add	29.79	
			For High Strength Low Alloy A572-50 Steel, Add	13.07	
			For High Strength Low Alloy A588 Steel, Add	29.05	
			For Each Additional Top Copes >2, Add	1.07	
			For Structural Tees, WT, MT Or ST, Deduct	-45.16	
			For Skewed Or Sloped Connections, Add	17.43	
05 12 23 00-0319	LF		W14 x 53 A992/A36 Structural Beam Or Girder	132.52	34.98
			For Hot Dip Galvanizing, Add	26.40	
			For High Strength Low Alloy A572-50 Steel, Add	11.93	
			For High Strength Low Alloy A588 Steel, Add	26.50	
			For Each Additional Top Copes >2, Add	0.95	
			For Structural Tees, WT, MT Or ST, Deduct	-40.78	
			For Skewed Or Sloped Connections, Add	15.90	
05 12 23 00-0320	LF		W14 x 48 A992/A36 Structural Beam Or Girder	124.34	34.58
			For Hot Dip Galvanizing, Add	24.25	
			For High Strength Low Alloy A572-50 Steel, Add	11.19	
			For High Strength Low Alloy A588 Steel, Add	24.87	
			For Each Additional Top Copes >2, Add	0.87	
			For Structural Tees, WT, MT Or ST, Deduct	-37.97	
			For Skewed Or Sloped Connections, Add	14.92	
05 12 23 00-0321	LF		W14 x 43 A992/A36 Structural Beam Or Girder	116.29	34.45
			For Hot Dip Galvanizing, Add	22.09	
			For High Strength Low Alloy A572-50 Steel, Add	10.47	
			For High Strength Low Alloy A588 Steel, Add	23.26	
			For Each Additional Top Copes >2, Add	0.80	
			For Structural Tees, WT, MT Or ST, Deduct	-35.20	
			For Skewed Or Sloped Connections, Add	13.95	
05 12 23 00-0322	LF		W14 x 38 A992/A36 Structural Beam Or Girder	108.29	34.19
			For Hot Dip Galvanizing, Add	19.97	
			For High Strength Low Alloy A572-50 Steel, Add	9.75	
			For High Strength Low Alloy A588 Steel, Add	21.66	
			For Each Additional Top Copes >2, Add	0.72	
			For Structural Tees, WT, MT Or ST, Deduct	-32.46	
			For Skewed Or Sloped Connections, Add	12.99	
05 12 23 00-0323	LF		W14 x 34 A992/A36 Structural Beam Or Girder	101.83	33.79
			For Hot Dip Galvanizing, Add	18.26	
			For High Strength Low Alloy A572-50 Steel, Add	9.16	
			For High Strength Low Alloy A588 Steel, Add	20.37	
			For Each Additional Top Copes >2, Add	0.66	
			For Structural Tees, WT, MT Or ST, Deduct	-30.23	
			For Skewed Or Sloped Connections, Add	12.22	
05 12 23 00-0324	LF		W14 x 30 A992/A36 Structural Beam Or Girder	95.38	33.66
			For Hot Dip Galvanizing, Add	16.54	
			For High Strength Low Alloy A572-50 Steel, Add	8.58	
			For High Strength Low Alloy A588 Steel, Add	19.08	
			For Each Additional Top Copes >2, Add	0.60	
			For Structural Tees, WT, MT Or ST, Deduct	-28.02	
			For Skewed Or Sloped Connections, Add	11.45	
05 12 23 00-0325	LF		W14 x 26 A992/A36 Structural Beam Or Girder	88.92	33.26
			For Hot Dip Galvanizing, Add	14.82	
			For High Strength Low Alloy A572-50 Steel, Add	8.00	
			For High Strength Low Alloy A588 Steel, Add	17.78	
			For Each Additional Top Copes >2, Add	0.53	
			For Structural Tees, WT, MT Or ST, Deduct	-25.80	
			For Skewed Or Sloped Connections, Add	10.67	
05 12 23 00-0326	LF		W14 x 22 A992/A36 Structural Beam Or Girder	82.65	33.13
			For Hot Dip Galvanizing, Add	13.15	
			For High Strength Low Alloy A572-50 Steel, Add	7.44	
			For High Strength Low Alloy A588 Steel, Add	16.53	
			For Each Additional Top Copes >2, Add	0.47	
			For Structural Tees, WT, MT Or ST, Deduct	-23.64	
			For Skewed Or Sloped Connections, Add	9.92	
05 12 23 00-0327	LF		W12 x 87 A992/A36 Structural Beam Or Girder	187.13	37.10
			For Hot Dip Galvanizing, Add	40.93	
			For High Strength Low Alloy A572-50 Steel, Add	16.84	
			For High Strength Low Alloy A588 Steel, Add	37.43	
			For Each Additional Top Copes >2, Add	1.48	
			For Structural Tees, WT, MT Or ST, Deduct	-59.55	
			For Skewed Or Sloped Connections, Add	22.46	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0328	LF	W12 x 79 A992/A36 Structural Beam Or Girder	174.21	36.57
		For Hot Dip Galvanizing, Add	37.50	
		For High Strength Low Alloy A572-50 Steel, Add	15.68	
		For High Strength Low Alloy A588 Steel, Add	34.84	
		For Each Additional Top Copes >2, Add	1.35	
		For Structural Tees, WT, MT Or ST, Deduct	-55.11	
		For Skewed Or Sloped Connections, Add	20.91	
05 12 23 00-0329	LF	W12 x 72 A992/A36 Structural Beam Or Girder	162.90	36.17
		For Hot Dip Galvanizing, Add	34.50	
		For High Strength Low Alloy A572-50 Steel, Add	14.66	
		For High Strength Low Alloy A588 Steel, Add	32.58	
		For Each Additional Top Copes >2, Add	1.24	
		For Structural Tees, WT, MT Or ST, Deduct	-51.23	
		For Skewed Or Sloped Connections, Add	19.55	
05 12 23 00-0330	LF	W12 x 65 A992/A36 Structural Beam Or Girder	151.71	35.78
		For Hot Dip Galvanizing, Add	31.51	
		For High Strength Low Alloy A572-50 Steel, Add	13.65	
		For High Strength Low Alloy A588 Steel, Add	30.34	
		For Each Additional Top Copes >2, Add	1.14	
		For Structural Tees, WT, MT Or ST, Deduct	-47.37	
		For Skewed Or Sloped Connections, Add	18.21	
05 12 23 00-0331	LF	W12 x 58 A992/A36 Structural Beam Or Girder	140.39	35.25
		For Hot Dip Galvanizing, Add	28.52	
		For High Strength Low Alloy A572-50 Steel, Add	12.64	
		For High Strength Low Alloy A588 Steel, Add	28.08	
		For Each Additional Top Copes >2, Add	1.03	
		For Structural Tees, WT, MT Or ST, Deduct	-43.49	
		For Skewed Or Sloped Connections, Add	16.85	
05 12 23 00-0332	LF	W12 x 53 A992/A36 Structural Beam Or Girder	132.52	34.98
		For Hot Dip Galvanizing, Add	26.40	
		For High Strength Low Alloy A572-50 Steel, Add	11.93	
		For High Strength Low Alloy A588 Steel, Add	26.50	
		For Each Additional Top Copes >2, Add	0.95	
		For Structural Tees, WT, MT Or ST, Deduct	-40.78	
		For Skewed Or Sloped Connections, Add	15.90	
05 12 23 00-0333	LF	W12 x 50 A992/A36 Structural Beam Or Girder	127.48	34.85
		For Hot Dip Galvanizing, Add	25.08	
		For High Strength Low Alloy A572-50 Steel, Add	11.47	
		For High Strength Low Alloy A588 Steel, Add	25.50	
		For Each Additional Top Copes >2, Add	0.90	
		For Structural Tees, WT, MT Or ST, Deduct	-39.05	
		For Skewed Or Sloped Connections, Add	15.30	
05 12 23 00-0334	LF	W12 x 45 A992/A36 Structural Beam Or Girder	119.61	34.58
		For Hot Dip Galvanizing, Add	22.97	
		For High Strength Low Alloy A572-50 Steel, Add	10.76	
		For High Strength Low Alloy A588 Steel, Add	23.92	
		For Each Additional Top Copes >2, Add	0.83	
		For Structural Tees, WT, MT Or ST, Deduct	-36.34	
		For Skewed Or Sloped Connections, Add	14.35	
05 12 23 00-0335	LF	W12 x 40 A992/A36 Structural Beam Or Girder	102.41	25.71
		For Hot Dip Galvanizing, Add	20.81	
		For High Strength Low Alloy A572-50 Steel, Add	9.22	
		For High Strength Low Alloy A588 Steel, Add	20.48	
		For Each Additional Top Copes >2, Add	0.75	
		For Structural Tees, WT, MT Or ST, Deduct	-31.73	
		For Skewed Or Sloped Connections, Add	12.29	
05 12 23 00-0336	LF	W12 x 35 A992/A36 Structural Beam Or Girder	94.55	25.58
		For Hot Dip Galvanizing, Add	18.70	
		For High Strength Low Alloy A572-50 Steel, Add	8.51	
		For High Strength Low Alloy A588 Steel, Add	18.91	
		For Each Additional Top Copes >2, Add	0.67	
		For Structural Tees, WT, MT Or ST, Deduct	-29.02	
		For Skewed Or Sloped Connections, Add	11.35	
05 12 23 00-0337	LF	W12 x 30 A992/A36 Structural Beam Or Girder	86.37	25.17
		For Hot Dip Galvanizing, Add	16.54	
		For High Strength Low Alloy A572-50 Steel, Add	7.77	
		For High Strength Low Alloy A588 Steel, Add	17.27	
		For Each Additional Top Copes >2, Add	0.60	
		For Structural Tees, WT, MT Or ST, Deduct	-26.21	
		For Skewed Or Sloped Connections, Add	10.36	
05 12 23 00-0338	LF	W12 x 26 A992/A36 Structural Beam Or Girder	79.92	24.91
		For Hot Dip Galvanizing, Add	14.82	
		For High Strength Low Alloy A572-50 Steel, Add	7.19	
		For High Strength Low Alloy A588 Steel, Add	15.98	
		For Each Additional Top Copes >2, Add	0.53	
		For Structural Tees, WT, MT Or ST, Deduct	-24.00	
		For Skewed Or Sloped Connections, Add	9.59	
05 12 23 00-0339	LF	W12 x 22 A992/A36 Structural Beam Or Girder	73.63	24.65
		For Hot Dip Galvanizing, Add	13.15	
		For High Strength Low Alloy A572-50 Steel, Add	6.63	
		For High Strength Low Alloy A588 Steel, Add	14.73	
		For Each Additional Top Copes >2, Add	0.47	
		For Structural Tees, WT, MT Or ST, Deduct	-21.84	
		For Skewed Or Sloped Connections, Add	8.84	
05 12 23 00-0340	LF	W12 x 19 A992/A36 Structural Beam Or Girder	68.72	24.52
		For Hot Dip Galvanizing, Add	11.83	
		For High Strength Low Alloy A572-50 Steel, Add	6.18	
		For High Strength Low Alloy A588 Steel, Add	13.74	
		For Each Additional Top Copes >2, Add	0.43	
		For Structural Tees, WT, MT Or ST, Deduct	-20.14	
		For Skewed Or Sloped Connections, Add	8.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0341	LF		W12 x 16 A992/A36 Structural Beam Or Girder	63.87	24.11
			For Hot Dip Galvanizing, Add	10.55	
			For High Strength Low Alloy A572-50 Steel, Add	5.75	
			For High Strength Low Alloy A588 Steel, Add	12.77	
			For Each Additional Top Copes >2, Add	0.38	
			For Structural Tees, WT, MT Or ST, Deduct	-18.48	
			For Skewed Or Sloped Connections, Add	7.66	
05 12 23 00-0342	LF		W12 x 14 A992/A36 Structural Beam Or Girder	60.73	24.11
			For Hot Dip Galvanizing, Add	9.72	
			For High Strength Low Alloy A572-50 Steel, Add	5.47	
			For High Strength Low Alloy A588 Steel, Add	12.15	
			For Each Additional Top Copes >2, Add	0.35	
			For Structural Tees, WT, MT Or ST, Deduct	-17.40	
			For Skewed Or Sloped Connections, Add	7.29	
05 12 23 00-0343	LF		W10 x 68 A992/A36 Structural Beam Or Girder	147.91	27.70
			For Hot Dip Galvanizing, Add	32.88	
			For High Strength Low Alloy A572-50 Steel, Add	13.31	
			For High Strength Low Alloy A588 Steel, Add	29.58	
			For Each Additional Top Copes >2, Add	1.19	
			For Structural Tees, WT, MT Or ST, Deduct	-47.36	
			For Skewed Or Sloped Connections, Add	17.75	
05 12 23 00-0344	LF		W10 x 60 A992/A36 Structural Beam Or Girder	135.19	27.16
			For Hot Dip Galvanizing, Add	29.50	
			For High Strength Low Alloy A572-50 Steel, Add	12.17	
			For High Strength Low Alloy A588 Steel, Add	27.04	
			For Each Additional Top Copes >2, Add	1.06	
			For Structural Tees, WT, MT Or ST, Deduct	-42.98	
			For Skewed Or Sloped Connections, Add	16.22	
05 12 23 00-0345	LF		W10 x 54 A992/A36 Structural Beam Or Girder	125.41	26.64
			For Hot Dip Galvanizing, Add	26.90	
			For High Strength Low Alloy A572-50 Steel, Add	11.29	
			For High Strength Low Alloy A588 Steel, Add	25.08	
			For Each Additional Top Copes >2, Add	0.97	
			For Structural Tees, WT, MT Or ST, Deduct	-39.62	
			For Skewed Or Sloped Connections, Add	15.05	
05 12 23 00-0346	LF		W10 x 49 A992/A36 Structural Beam Or Girder	117.41	26.36
			For Hot Dip Galvanizing, Add	24.79	
			For High Strength Low Alloy A572-50 Steel, Add	10.57	
			For High Strength Low Alloy A588 Steel, Add	23.48	
			For Each Additional Top Copes >2, Add	0.89	
			For Structural Tees, WT, MT Or ST, Deduct	-36.88	
			For Skewed Or Sloped Connections, Add	14.09	
05 12 23 00-0347	LF		W10 x 45 A992/A36 Structural Beam Or Girder	110.96	26.23
			For Hot Dip Galvanizing, Add	23.07	
			For High Strength Low Alloy A572-50 Steel, Add	9.99	
			For High Strength Low Alloy A588 Steel, Add	22.19	
			For Each Additional Top Copes >2, Add	0.83	
			For Structural Tees, WT, MT Or ST, Deduct	-34.66	
			For Skewed Or Sloped Connections, Add	13.32	
05 12 23 00-0348	LF		W10 x 39 A992/A36 Structural Beam Or Girder	101.36	25.71
			For Hot Dip Galvanizing, Add	20.52	
			For High Strength Low Alloy A572-50 Steel, Add	9.12	
			For High Strength Low Alloy A588 Steel, Add	20.27	
			For Each Additional Top Copes >2, Add	0.74	
			For Structural Tees, WT, MT Or ST, Deduct	-31.36	
			For Skewed Or Sloped Connections, Add	12.16	
05 12 23 00-0349	LF		W10 x 33 A992/A36 Structural Beam Or Girder	91.76	25.30
			For Hot Dip Galvanizing, Add	17.96	
			For High Strength Low Alloy A572-50 Steel, Add	8.26	
			For High Strength Low Alloy A588 Steel, Add	18.35	
			For Each Additional Top Copes >2, Add	0.65	
			For Structural Tees, WT, MT Or ST, Deduct	-28.06	
			For Skewed Or Sloped Connections, Add	11.01	
05 12 23 00-0350	LF		W10 x 30 A992/A36 Structural Beam Or Girder	86.86	25.17
			For Hot Dip Galvanizing, Add	16.64	
			For High Strength Low Alloy A572-50 Steel, Add	7.82	
			For High Strength Low Alloy A588 Steel, Add	17.37	
			For Each Additional Top Copes >2, Add	0.60	
			For Structural Tees, WT, MT Or ST, Deduct	-26.37	
			For Skewed Or Sloped Connections, Add	10.42	
05 12 23 00-0351	LF		W10 x 26 A992/A36 Structural Beam Or Girder	80.58	25.04
			For Hot Dip Galvanizing, Add	14.97	
			For High Strength Low Alloy A572-50 Steel, Add	7.25	
			For High Strength Low Alloy A588 Steel, Add	16.12	
			For Each Additional Top Copes >2, Add	0.54	
			For Structural Tees, WT, MT Or ST, Deduct	-24.21	
			For Skewed Or Sloped Connections, Add	9.67	
05 12 23 00-0352	LF		W10 x 22 A992/A36 Structural Beam Or Girder	73.98	24.65
			For Hot Dip Galvanizing, Add	13.25	
			For High Strength Low Alloy A572-50 Steel, Add	6.66	
			For High Strength Low Alloy A588 Steel, Add	14.80	
			For Each Additional Top Copes >2, Add	0.48	
			For Structural Tees, WT, MT Or ST, Deduct	-21.96	
			For Skewed Or Sloped Connections, Add	8.88	
05 12 23 00-0353	LF		W10 x 19 A992/A36 Structural Beam Or Girder	69.26	24.52
			For Hot Dip Galvanizing, Add	11.98	
			For High Strength Low Alloy A572-50 Steel, Add	6.23	
			For High Strength Low Alloy A588 Steel, Add	13.85	
			For Each Additional Top Copes >2, Add	0.43	
			For Structural Tees, WT, MT Or ST, Deduct	-20.33	
			For Skewed Or Sloped Connections, Add	8.31	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0354	LF	W10 x 17 A992/A36 Structural Beam Or Girder	65.94	24.39
		For Hot Dip Galvanizing, Add	11.09	
		For High Strength Low Alloy A572-50 Steel, Add	5.93	
		For High Strength Low Alloy A588 Steel, Add	13.19	
		For Each Additional Top Copes >2, Add	0.40	
		For Structural Tees, WT, MT Or ST, Deduct	-19.18	
		For Skewed Or Sloped Connections, Add	7.91	
05 12 23 00-0355	LF	W10 x 15 A992/A36 Structural Beam Or Girder	62.80	24.11
		For Hot Dip Galvanizing, Add	10.26	
		For High Strength Low Alloy A572-50 Steel, Add	5.65	
		For High Strength Low Alloy A588 Steel, Add	12.56	
		For Each Additional Top Copes >2, Add	0.37	
		For Structural Tees, WT, MT Or ST, Deduct	-18.10	
		For Skewed Or Sloped Connections, Add	7.54	
05 12 23 00-0356	LF	W10 x 12 A992/A36 Structural Beam Or Girder	58.08	24.11
		For Hot Dip Galvanizing, Add	8.98	
		For High Strength Low Alloy A572-50 Steel, Add	5.23	
		For High Strength Low Alloy A588 Steel, Add	11.62	
		For Each Additional Top Copes >2, Add	0.32	
		For Structural Tees, WT, MT Or ST, Deduct	-16.47	
		For Skewed Or Sloped Connections, Add	6.97	
05 12 23 00-0357	LF	W8 x 35 A992/A36 Structural Beam Or Girder	94.90	25.58
		For Hot Dip Galvanizing, Add	18.80	
		For High Strength Low Alloy A572-50 Steel, Add	8.54	
		For High Strength Low Alloy A588 Steel, Add	18.98	
		For Each Additional Top Copes >2, Add	0.68	
		For Structural Tees, WT, MT Or ST, Deduct	-29.14	
		For Skewed Or Sloped Connections, Add	11.39	
05 12 23 00-0358	LF	W8 x 31 A992/A36 Structural Beam Or Girder	88.45	25.17
		For Hot Dip Galvanizing, Add	17.08	
		For High Strength Low Alloy A572-50 Steel, Add	7.96	
		For High Strength Low Alloy A588 Steel, Add	17.69	
		For Each Additional Top Copes >2, Add	0.62	
		For Structural Tees, WT, MT Or ST, Deduct	-26.92	
		For Skewed Or Sloped Connections, Add	10.61	
05 12 23 00-0359	LF	W8 x 28 A992/A36 Structural Beam Or Girder	82.25	23.72
		For Hot Dip Galvanizing, Add	15.80	
		For High Strength Low Alloy A572-50 Steel, Add	7.40	
		For High Strength Low Alloy A588 Steel, Add	16.45	
		For Each Additional Top Copes >2, Add	0.57	
		For Structural Tees, WT, MT Or ST, Deduct	-24.99	
		For Skewed Or Sloped Connections, Add	9.87	
05 12 23 00-0360	LF	W8 x 24 A992/A36 Structural Beam Or Girder	75.03	22.27
		For Hot Dip Galvanizing, Add	14.24	
		For High Strength Low Alloy A572-50 Steel, Add	6.75	
		For High Strength Low Alloy A588 Steel, Add	15.01	
		For Each Additional Top Copes >2, Add	0.51	
		For Structural Tees, WT, MT Or ST, Deduct	-22.70	
		For Skewed Or Sloped Connections, Add	9.00	
05 12 23 00-0361	LF	W8 x 21 A992/A36 Structural Beam Or Girder	69.81	20.67
		For Hot Dip Galvanizing, Add	13.23	
		For High Strength Low Alloy A572-50 Steel, Add	6.28	
		For High Strength Low Alloy A588 Steel, Add	13.96	
		For Each Additional Top Copes >2, Add	0.48	
		For Structural Tees, WT, MT Or ST, Deduct	-21.12	
		For Skewed Or Sloped Connections, Add	8.38	
05 12 23 00-0362	LF	W8 x 18 A992/A36 Structural Beam Or Girder	61.15	19.22
		For Hot Dip Galvanizing, Add	11.27	
		For High Strength Low Alloy A572-50 Steel, Add	5.50	
		For High Strength Low Alloy A588 Steel, Add	12.23	
		For Each Additional Top Copes >2, Add	0.41	
		For Structural Tees, WT, MT Or ST, Deduct	-18.32	
		For Skewed Or Sloped Connections, Add	7.34	
05 12 23 00-0363	LF	W8 x 10 A992/A36 Structural Beam Or Girder	36.25	13.78
		For Hot Dip Galvanizing, Add	6.02	
		For High Strength Low Alloy A572-50 Steel, Add	3.26	
		For High Strength Low Alloy A588 Steel, Add	7.25	
		For Each Additional Top Copes >2, Add	0.22	
		For Structural Tees, WT, MT Or ST, Deduct	-10.50	
		For Skewed Or Sloped Connections, Add	4.35	
05 12 23 00-0364	LF	W6 x 9 A992/A36 Structural Beam Or Girder	33.33	11.26
		For Hot Dip Galvanizing, Add	5.94	
		For High Strength Low Alloy A572-50 Steel, Add	3.00	
		For High Strength Low Alloy A588 Steel, Add	6.67	
		For Each Additional Top Copes >2, Add	0.21	
		For Structural Tees, WT, MT Or ST, Deduct	-9.88	
		For Skewed Or Sloped Connections, Add	4.00	
05 12 23 00-0365		A992/A36 Structural Steel, M Shapes (05 12 23 00-0147)		
		Note: Includes material delivery and erection.		
05 12 23 00-0366	LF	M14 x 18 A992/A36 Structural Steel	63.30	17.60
		For Hot Dip Galvanizing, Add	12.36	
		For High Strength Low Alloy A572-50 Steel, Add	5.70	
		For High Strength Low Alloy A588 Grade B Steel, Add	12.66	
05 12 23 00-0367	LF	M12 x 11.8 A992/A36 Structural Steel	45.80	15.57
		For Hot Dip Galvanizing, Add	8.10	
		For High Strength Low Alloy A572-50 Steel, Add	4.12	
		For High Strength Low Alloy A588 Grade B Steel, Add	9.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0368	LF		M10 x 9 A992/A36 Structural Steel.....	35.59	12.50
			For Hot Dip Galvanizing, Add	6.18	
			For High Strength Low Alloy A572-50 Steel, Add	3.20	
			For High Strength Low Alloy A588 Grade B Steel, Add	7.12	
05 12 23 00-0369	LF		M8 x 6.5 A992/A36 Structural Steel.....	25.70	9.02
			For Hot Dip Galvanizing, Add	4.46	
			For High Strength Low Alloy A572-50 Steel, Add	2.31	
			For High Strength Low Alloy A588 Grade B Steel, Add	5.14	
05 12 23 00-0370	LF		M6 x 20 A992/A36 Structural Steel.....	72.02	21.34
			For Hot Dip Galvanizing, Add	13.73	
			For High Strength Low Alloy A572-50 Steel, Add	6.48	
			For High Strength Low Alloy A588 Grade B Steel, Add	14.40	
05 12 23 00-0371	LF		M6 x 4.4 A992/A36 Structural Steel.....	17.39	6.10
			For Hot Dip Galvanizing, Add	3.02	
			For High Strength Low Alloy A572-50 Steel, Add	1.57	
			For High Strength Low Alloy A588 Grade B Steel, Add	3.48	
05 12 23 00-0372	LF		M5 x 18.9 A992/A36 Structural Steel.....	69.47	21.34
			For Hot Dip Galvanizing, Add	12.95	
			For High Strength Low Alloy A572-50 Steel, Add	6.25	
			For High Strength Low Alloy A588 Grade B Steel, Add	13.89	
05 12 23 00-0373	LF		M4 x 13 A992/A36 Structural Steel.....	57.47	20.93
			For Hot Dip Galvanizing, Add	9.77	
			For High Strength Low Alloy A572-50 Steel, Add	5.17	
			For High Strength Low Alloy A588 Grade B Steel, Add	11.49	
05 12 23 00-0374 A992/A36 Structural Steel, S Shapes (05 12 23 00-0147)					
Note: Includes material delivery and erection.					
05 12 23 00-0375	LF		S24 x 121 A992/A36 Structural Steel	378.67	89.16
			For Hot Dip Galvanizing, Add	78.70	
			For High Strength Low Alloy A572-50 Steel, Add	34.08	
			For High Strength Low Alloy A588 Grade B Steel, Add	75.73	
05 12 23 00-0376	LF		S24 x 106 A992/A36 Structural Steel	336.11	82.22
			For Hot Dip Galvanizing, Add	68.94	
			For High Strength Low Alloy A572-50 Steel, Add	30.25	
			For High Strength Low Alloy A588 Grade B Steel, Add	67.22	
05 12 23 00-0377	LF		S24 x 100 A992/A36 Structural Steel	321.43	81.64
			For Hot Dip Galvanizing, Add	65.04	
			For High Strength Low Alloy A572-50 Steel, Add	28.93	
			For High Strength Low Alloy A588 Grade B Steel, Add	64.29	
05 12 23 00-0378	LF		S24 x 90 A992/A36 Structural Steel	293.42	77.34
			For Hot Dip Galvanizing, Add	58.54	
			For High Strength Low Alloy A572-50 Steel, Add	26.41	
			For High Strength Low Alloy A588 Grade B Steel, Add	58.68	
05 12 23 00-0379	LF		S24 x 80 A992/A36 Structural Steel	264.66	72.38
			For Hot Dip Galvanizing, Add	52.03	
			For High Strength Low Alloy A572-50 Steel, Add	23.82	
			For High Strength Low Alloy A588 Grade B Steel, Add	52.93	
05 12 23 00-0380	LF		S20 x 96 A992/A36 Structural Steel	308.58	78.38
			For Hot Dip Galvanizing, Add	62.44	
			For High Strength Low Alloy A572-50 Steel, Add	27.77	
			For High Strength Low Alloy A588 Grade B Steel, Add	61.72	
05 12 23 00-0381	LF		S20 x 86 A992/A36 Structural Steel	280.37	73.91
			For Hot Dip Galvanizing, Add	55.94	
			For High Strength Low Alloy A572-50 Steel, Add	25.23	
			For High Strength Low Alloy A588 Grade B Steel, Add	56.07	
05 12 23 00-0382	LF		S20 x 75 A992/A36 Structural Steel	248.12	67.86
			For Hot Dip Galvanizing, Add	48.78	
			For High Strength Low Alloy A572-50 Steel, Add	22.33	
			For High Strength Low Alloy A588 Grade B Steel, Add	49.62	
05 12 23 00-0383	LF		S20 x 66 A992/A36 Structural Steel	221.69	62.84
			For Hot Dip Galvanizing, Add	42.93	
			For High Strength Low Alloy A572-50 Steel, Add	19.95	
			For High Strength Low Alloy A588 Grade B Steel, Add	44.34	
05 12 23 00-0384	LF		S18 x 70 A992/A36 Structural Steel	235.14	66.66
			For Hot Dip Galvanizing, Add	45.53	
			For High Strength Low Alloy A572-50 Steel, Add	21.16	
			For High Strength Low Alloy A588 Grade B Steel, Add	47.03	
05 12 23 00-0385	LF		S18 x 54.7 A992/A36 Structural Steel	186.67	54.82
			For Hot Dip Galvanizing, Add	35.58	
			For High Strength Low Alloy A572-50 Steel, Add	16.80	
			For High Strength Low Alloy A588 Grade B Steel, Add	37.33	
05 12 23 00-0386	LF		S15 x 50 A992/A36 Structural Steel	173.43	52.76
			For Hot Dip Galvanizing, Add	32.52	
			For High Strength Low Alloy A572-50 Steel, Add	15.61	
			For High Strength Low Alloy A588 Grade B Steel, Add	34.69	
05 12 23 00-0387	LF		S15 x 42.9 A992/A36 Structural Steel	151.35	47.64
			For Hot Dip Galvanizing, Add	27.90	
			For High Strength Low Alloy A572-50 Steel, Add	13.62	
			For High Strength Low Alloy A588 Grade B Steel, Add	30.27	
05 12 23 00-0388	LF		S12 x 50 A992/A36 Structural Steel	170.63	50.12
			For Hot Dip Galvanizing, Add	32.52	
			For High Strength Low Alloy A572-50 Steel, Add	15.36	
			For High Strength Low Alloy A588 Grade B Steel, Add	34.13	
05 12 23 00-0389	LF		S12 x 40.8 A992/A36 Structural Steel	141.52	43.05
			For Hot Dip Galvanizing, Add	26.54	
			For High Strength Low Alloy A572-50 Steel, Add	12.74	
			For High Strength Low Alloy A588 Grade B Steel, Add	28.30	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 12 23 00-0390	LF	S12 x 35 A992/A36 Structural Steel	123.47		38.87
		For Hot Dip Galvanizing, Add	22.76		
		For High Strength Low Alloy A572-50 Steel, Add	11.11		
		For High Strength Low Alloy A588 Grade B Steel, Add	24.69		
05 12 23 00-0391	LF	S12 x 31.8 A992/A36 Structural Steel	114.17		37.18
		For Hot Dip Galvanizing, Add	20.68		
		For High Strength Low Alloy A572-50 Steel, Add	10.28		
		For High Strength Low Alloy A588 Grade B Steel, Add	22.83		
05 12 23 00-0392	LF	S10 x 35 A992/A36 Structural Steel	125.66		40.93
		For Hot Dip Galvanizing, Add	22.76		
		For High Strength Low Alloy A572-50 Steel, Add	11.31		
		For High Strength Low Alloy A588 Grade B Steel, Add	25.13		
05 12 23 00-0393	LF	S10 x 25.4 A992/A36 Structural Steel	92.86		31.26
		For Hot Dip Galvanizing, Add	16.52		
		For High Strength Low Alloy A572-50 Steel, Add	8.36		
		For High Strength Low Alloy A588 Grade B Steel, Add	18.57		
05 12 23 00-0394	LF	S8 x 23 A992/A36 Structural Steel	84.09		28.30
		For Hot Dip Galvanizing, Add	14.96		
		For High Strength Low Alloy A572-50 Steel, Add	7.57		
		For High Strength Low Alloy A588 Grade B Steel, Add	16.82		
05 12 23 00-0395	LF	S8 x 18.4 A992/A36 Structural Steel	68.55		23.84
		For Hot Dip Galvanizing, Add	11.97		
		For High Strength Low Alloy A572-50 Steel, Add	6.17		
		For High Strength Low Alloy A588 Grade B Steel, Add	13.71		
05 12 23 00-0396	LF	S7 x 20 A992/A36 Structural Steel	74.50		25.91
		For Hot Dip Galvanizing, Add	13.01		
		For High Strength Low Alloy A572-50 Steel, Add	6.71		
		For High Strength Low Alloy A588 Grade B Steel, Add	14.90		
05 12 23 00-0397	LF	S7 x 15.3 A992/A36 Structural Steel	58.11		20.87
		For Hot Dip Galvanizing, Add	9.95		
		For High Strength Low Alloy A572-50 Steel, Add	5.23		
		For High Strength Low Alloy A588 Grade B Steel, Add	11.62		
05 12 23 00-0398	LF	S6 x 17.25 A992/A36 Structural Steel	64.29		22.37
		For Hot Dip Galvanizing, Add	11.22		
		For High Strength Low Alloy A572-50 Steel, Add	5.79		
		For High Strength Low Alloy A588 Grade B Steel, Add	12.86		
05 12 23 00-0399	LF	S6 x 12.5 A992/A36 Structural Steel	55.29		20.67
		For Hot Dip Galvanizing, Add	9.20		
		For High Strength Low Alloy A572-50 Steel, Add	4.98		
		For High Strength Low Alloy A588 Grade B Steel, Add	11.06		
05 12 23 00-0400	LF	S5 x 14.75 A992/A36 Structural Steel	58.76		21.06
		For Hot Dip Galvanizing, Add	10.09		
		For High Strength Low Alloy A572-50 Steel, Add	5.29		
		For High Strength Low Alloy A588 Grade B Steel, Add	11.75		
05 12 23 00-0401	LF	S5 x 10 A992/A36 Structural Steel	50.20		20.54
		For Hot Dip Galvanizing, Add	7.83		
		For High Strength Low Alloy A572-50 Steel, Add	4.52		
		For High Strength Low Alloy A588 Grade B Steel, Add	10.04		
05 12 23 00-0402	LF	S4 x 9.5 A992/A36 Structural Steel	48.90		20.54
		For Hot Dip Galvanizing, Add	7.47		
		For High Strength Low Alloy A572-50 Steel, Add	4.40		
		For High Strength Low Alloy A588 Grade B Steel, Add	9.78		
05 12 23 00-0403	LF	S4 x 7.7 A992/A36 Structural Steel	45.86		20.54
		For Hot Dip Galvanizing, Add	6.66		
		For High Strength Low Alloy A572-50 Steel, Add	4.13		
		For High Strength Low Alloy A588 Grade B Steel, Add	9.17		
05 12 23 00-0404	LF	S3 x 7.5 A992/A36 Structural Steel	45.57		20.54
		For Hot Dip Galvanizing, Add	6.58		
		For High Strength Low Alloy A572-50 Steel, Add	4.10		
		For High Strength Low Alloy A588 Grade B Steel, Add	9.11		
05 12 23 00-0405	LF	S3 x 5.7 A992/A36 Structural Steel	41.95		20.41
		For Hot Dip Galvanizing, Add	5.61		
		For High Strength Low Alloy A572-50 Steel, Add	3.78		
		For High Strength Low Alloy A588 Grade B Steel, Add	8.39		
05 12 23 00-0406		A992/A36 Structural Steel, HP Shapes (05 12 23 00-0147)			
		Note: Includes material delivery and erection.			
05 12 23 00-0407	LF	HP14 x 117 A992/A36 Structural Steel	229.59		26.42
		For Hot Dip Galvanizing, Add	55.90		
		For High Strength Low Alloy A572-50 Steel, Add	20.66		
		For High Strength Low Alloy A588 Grade B Steel, Add	45.92		
05 12 23 00-0408	LF	HP14 x 102 A992/A36 Structural Steel	201.07		24.58
		For Hot Dip Galvanizing, Add	48.53		
		For High Strength Low Alloy A572-50 Steel, Add	18.10		
		For High Strength Low Alloy A588 Grade B Steel, Add	40.21		
05 12 23 00-0409	LF	HP14 x 89 A992/A36 Structural Steel	179.30		23.05
		For Hot Dip Galvanizing, Add	42.93		
		For High Strength Low Alloy A572-50 Steel, Add	16.14		
		For High Strength Low Alloy A588 Grade B Steel, Add	35.86		
05 12 23 00-0410	LF	HP14 x 73 A992/A36 Structural Steel	148.78		21.73
		For Hot Dip Galvanizing, Add	34.86		
		For High Strength Low Alloy A572-50 Steel, Add	13.39		
		For High Strength Low Alloy A588 Grade B Steel, Add	29.76		
05 12 23 00-0411	LF	HP13 x 100 A992/A36 Structural Steel	197.14		24.10
		For Hot Dip Galvanizing, Add	47.58		
		For High Strength Low Alloy A572-50 Steel, Add	17.74		
		For High Strength Low Alloy A588 Grade B Steel, Add	39.43		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0412	LF		HP13 x 87 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	175.27 41.97 15.77 35.05	22.54
05 12 23 00-0413	LF		HP13 x 73 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	148.78 34.86 13.39 29.76	21.73
05 12 23 00-0414	LF		HP13 x 60 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	126.37 28.91 11.37 25.27	20.83
05 12 23 00-0415	LF		HP12 x 84 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	165.68 38.94 14.91 33.14	23.77
05 12 23 00-0416	LF		HP12 x 74 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	146.55 34.04 13.19 29.31	22.42
05 12 23 00-0417	LF		HP12 x 63 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	126.33 28.96 11.37 25.27	20.61
05 12 23 00-0418	LF		HP12 x 53 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	115.92 26.37 10.43 23.18	19.60
05 12 23 00-0419	LF		HP10 x 57 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	122.05 27.92 10.98 24.41	20.11
05 12 23 00-0420	LF		HP10 x 42 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	100.88 22.42 9.08 20.18	18.85
05 12 23 00-0421	LF		HP8 x 36 A992/A36 Structural Steel For Hot Dip Galvanizing, Add For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Grade B Steel, Add	87.89 19.13 7.91 17.58	17.77
05 12 23 00-0422			Lightweight Framing Steel Shapes (05 12 23) Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.		
05 12 23 00-0423			Angle Iron - L (05 12 23 00-0422)		
05 12 23 00-0424			1/8" Thick (05 12 23 00-0423)		
05 12 23 00-0425	LF		1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add For High Strength Steel (HSS), Add	2.93 -0.19 -0.27 -0.40 -0.53 1.48 1.66 0.09 0.32 0.59	1.80
05 12 23 00-0426	LF		3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add For High Strength Steel (HSS), Add	3.39 -0.22 -0.31 -0.46 -0.61 1.88 2.11 0.12 0.41 0.68	2.04
05 12 23 00-0427	LF		3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add For High Strength Steel (HSS), Add	3.82 -0.25 -0.34 -0.51 -0.68 2.31 2.59 0.15 0.50 0.76	2.26
05 12 23 00-0428	LF		1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add For High Strength Steel (HSS), Add	4.28 -0.27 -0.38 -0.57 -0.76 2.68 3.01 0.17 0.58 0.86	2.51

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0429	LF 1" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	4.71	2.71
	For >100 To 250, Deduct	-0.30	
	For >250 To 500, Deduct	-0.42	
	For >500 To 1,000, Deduct	-0.62	
	For >1,000, Deduct	-0.83	
	For 304 Stainless Steel, Add	3.14	
	For 316 Stainless Steel, Add	3.52	
	For Aluminum, Add	0.20	
	For Galvanized Steel, Add	0.68	
	For High Strength Steel (HSS), Add	0.94	
05 12 23 00-0430	LF 1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	5.64	3.18
	For >100 To 250, Deduct	-0.35	
	For >250 To 500, Deduct	-0.49	
	For >500 To 1,000, Deduct	-0.74	
	For >1,000, Deduct	-0.99	
	For 304 Stainless Steel, Add	3.96	
	For 316 Stainless Steel, Add	4.45	
	For Aluminum, Add	0.25	
	For Galvanized Steel, Add	0.86	
	For High Strength Steel (HSS), Add	1.13	
05 12 23 00-0431	LF 1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron	5.64	3.18
	For >100 To 250, Deduct	-0.35	
	For >250 To 500, Deduct	-0.49	
	For >500 To 1,000, Deduct	-0.74	
	For >1,000, Deduct	-0.99	
	For 304 Stainless Steel, Add	3.96	
	For 316 Stainless Steel, Add	4.45	
	For Aluminum, Add	0.25	
	For Galvanized Steel, Add	0.86	
	For High Strength Steel (HSS), Add	1.13	
05 12 23 00-0432	LF 1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.24	3.42
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.54	
	For >500 To 1,000, Deduct	-0.81	
	For >1,000, Deduct	-1.08	
	For 304 Stainless Steel, Add	4.79	
	For 316 Stainless Steel, Add	5.38	
	For Aluminum, Add	0.30	
	For Galvanized Steel, Add	1.04	
	For High Strength Steel (HSS), Add	1.25	
05 12 23 00-0433	LF 1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron	6.71	3.53
	For >100 To 250, Deduct	-0.40	
	For >250 To 500, Deduct	-0.57	
	For >500 To 1,000, Deduct	-0.86	
	For >1,000, Deduct	-1.14	
	For 304 Stainless Steel, Add	5.67	
	For 316 Stainless Steel, Add	6.37	
	For Aluminum, Add	0.36	
	For Galvanized Steel, Add	1.23	
	For High Strength Steel (HSS), Add	1.34	
05 12 23 00-0434	LF 2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.71	3.53
	For >100 To 250, Deduct	-0.40	
	For >250 To 500, Deduct	-0.57	
	For >500 To 1,000, Deduct	-0.86	
	For >1,000, Deduct	-1.14	
	For 304 Stainless Steel, Add	5.67	
	For 316 Stainless Steel, Add	6.37	
	For Aluminum, Add	0.36	
	For Galvanized Steel, Add	1.23	
	For High Strength Steel (HSS), Add	1.34	
05 12 23 00-0435	LF 2" x 2" x 1/8" Thick, Plain Steel Angle Iron.....	7.15	3.66
	For >100 To 250, Deduct	-0.42	
	For >250 To 500, Deduct	-0.60	
	For >500 To 1,000, Deduct	-0.90	
	For >1,000, Deduct	-1.20	
	For 304 Stainless Steel, Add	6.50	
	For 316 Stainless Steel, Add	7.30	
	For Aluminum, Add	0.41	
	For Galvanized Steel, Add	1.41	
	For High Strength Steel (HSS), Add	1.43	

05 12 23 00-0436 3/16" Thick (05 12 23 00-0423)

05 12 23 00-0437	LF 1" x 1" x 3/16" Thick, Plain Steel Angle Iron.....	5.42	2.86
	For >100 To 250, Deduct	-0.33	
	For >250 To 500, Deduct	-0.46	
	For >500 To 1,000, Deduct	-0.69	
	For >1,000, Deduct	-0.92	
	For 304 Stainless Steel, Add	4.56	
	For 316 Stainless Steel, Add	5.12	
	For Aluminum, Add	0.29	
	For Galvanized Steel, Add	0.99	
	For High Strength Steel (HSS), Add	1.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0438	LF		1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	6.53	3.36
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-0.83	
			For >1,000, Deduct	-1.10	
			For 304 Stainless Steel, Add	5.81	
			For 316 Stainless Steel, Add	6.53	
			For Aluminum, Add	0.37	
			For Galvanized Steel, Add	1.26	
			For High Strength Steel (HSS), Add	1.31	
05 12 23 00-0439	LF		1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	6.53	3.36
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-0.83	
			For >1,000, Deduct	-1.10	
			For 304 Stainless Steel, Add	5.81	
			For 316 Stainless Steel, Add	6.53	
			For Aluminum, Add	0.37	
			For Galvanized Steel, Add	1.26	
			For High Strength Steel (HSS), Add	1.31	
05 12 23 00-0440	LF		1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.29	3.61
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.61	
			For >500 To 1,000, Deduct	-0.91	
			For >1,000, Deduct	-1.21	
			For 304 Stainless Steel, Add	7.07	
			For 316 Stainless Steel, Add	7.94	
			For Aluminum, Add	0.45	
			For Galvanized Steel, Add	1.54	
			For High Strength Steel (HSS), Add	1.46	
05 12 23 00-0441	LF		1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	7.92	3.74
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.65	
			For >500 To 1,000, Deduct	-0.97	
			For >1,000, Deduct	-1.29	
			For 304 Stainless Steel, Add	8.35	
			For 316 Stainless Steel, Add	9.38	
			For Aluminum, Add	0.53	
			For Galvanized Steel, Add	1.82	
			For High Strength Steel (HSS), Add	1.58	
05 12 23 00-0442	LF		2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.92	3.74
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.65	
			For >500 To 1,000, Deduct	-0.97	
			For >1,000, Deduct	-1.29	
			For 304 Stainless Steel, Add	8.35	
			For 316 Stainless Steel, Add	9.38	
			For Aluminum, Add	0.53	
			For Galvanized Steel, Add	1.82	
			For High Strength Steel (HSS), Add	1.58	
05 12 23 00-0443	LF		2" x 2" x 3/16" Thick, Plain Steel Angle Iron	8.53	3.87
			For >100 To 250, Deduct	-0.47	
			For >250 To 500, Deduct	-0.68	
			For >500 To 1,000, Deduct	-1.03	
			For >1,000, Deduct	-1.37	
			For 304 Stainless Steel, Add	9.60	
			For 316 Stainless Steel, Add	10.78	
			For Aluminum, Add	0.61	
			For Galvanized Steel, Add	2.09	
			For High Strength Steel (HSS), Add	1.71	
05 12 23 00-0444	LF		2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.33	4.14
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.74	
			For >500 To 1,000, Deduct	-1.11	
			For >1,000, Deduct	-1.49	
			For 304 Stainless Steel, Add	10.83	
			For 316 Stainless Steel, Add	12.16	
			For Aluminum, Add	0.68	
			For Galvanized Steel, Add	2.36	
			For High Strength Steel (HSS), Add	1.87	
05 12 23 00-0445	LF		2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.18	4.44
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.81	
			For >500 To 1,000, Deduct	-1.21	
			For >1,000, Deduct	-1.61	
			For 304 Stainless Steel, Add	12.14	
			For 316 Stainless Steel, Add	13.63	
			For Aluminum, Add	0.77	
			For Galvanized Steel, Add	2.64	
			For High Strength Steel (HSS), Add	2.04	
05 12 23 00-0446	LF		3" x 2" x 3/16" Thick, Plain Steel Angle Iron	10.17	4.44
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.80	
			For >500 To 1,000, Deduct	-1.21	
			For >1,000, Deduct	-1.61	
			For 304 Stainless Steel, Add	12.11	
			For 316 Stainless Steel, Add	13.60	
			For Aluminum, Add	0.77	
			For Galvanized Steel, Add	2.64	
			For High Strength Steel (HSS), Add	2.03	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0447	LF 3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	11.23		4.90
	For >100 To 250, Deduct	-0.61		
	For >250 To 500, Deduct	-0.89		
	For >500 To 1,000, Deduct	-1.33		
	For >1,000, Deduct	-1.78		
	For 304 Stainless Steel, Add	13.37		
	For 316 Stainless Steel, Add	15.01		
	For Aluminum, Add	0.84		
	For Galvanized Steel, Add	2.91		
	For High Strength Steel (HSS), Add	2.25		
05 12 23 00-0448	LF 3" x 3" x 3/16" Thick, Plain Steel Angle Iron	12.28		5.37
	For >100 To 250, Deduct	-0.66		
	For >250 To 500, Deduct	-0.97		
	For >500 To 1,000, Deduct	-1.46		
	For >1,000, Deduct	-1.94		
	For 304 Stainless Steel, Add	14.62		
	For 316 Stainless Steel, Add	16.42		
	For Aluminum, Add	0.92		
	For Galvanized Steel, Add	3.18		
	For High Strength Steel (HSS), Add	2.46		
05 12 23 00-0449 1/4" Thick (05 12 23 00-0423)				
05 12 23 00-0450	LF 1" x 1" x 1/4" Thick, Plain Steel Angle Iron	6.46		3.31
	For >100 To 250, Deduct	-0.38		
	For >250 To 500, Deduct	-0.54		
	For >500 To 1,000, Deduct	-0.82		
	For >1,000, Deduct	-1.09		
	For 304 Stainless Steel, Add	5.81		
	For 316 Stainless Steel, Add	6.53		
	For Aluminum, Add	0.37		
	For Galvanized Steel, Add	1.26		
	For High Strength Steel (HSS), Add	1.29		
05 12 23 00-0451	LF 1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	7.37		3.55
	For >100 To 250, Deduct	-0.42		
	For >250 To 500, Deduct	-0.61		
	For >500 To 1,000, Deduct	-0.91		
	For >1,000, Deduct	-1.21		
	For 304 Stainless Steel, Add	7.50		
	For 316 Stainless Steel, Add	8.42		
	For Aluminum, Add	0.47		
	For Galvanized Steel, Add	1.63		
	For High Strength Steel (HSS), Add	1.47		
05 12 23 00-0452	LF 1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	7.36		3.55
	For >100 To 250, Deduct	-0.42		
	For >250 To 500, Deduct	-0.61		
	For >500 To 1,000, Deduct	-0.91		
	For >1,000, Deduct	-1.21		
	For 304 Stainless Steel, Add	7.47		
	For 316 Stainless Steel, Add	8.38		
	For Aluminum, Add	0.47		
	For Galvanized Steel, Add	1.62		
	For High Strength Steel (HSS), Add	1.47		
05 12 23 00-0453	LF 1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.28		3.81
	For >100 To 250, Deduct	-0.46		
	For >250 To 500, Deduct	-0.67		
	For >500 To 1,000, Deduct	-1.00		
	For >1,000, Deduct	-1.34		
	For 304 Stainless Steel, Add	9.12		
	For 316 Stainless Steel, Add	10.24		
	For Aluminum, Add	0.58		
	For Galvanized Steel, Add	1.98		
	For High Strength Steel (HSS), Add	1.66		
05 12 23 00-0454	LF 1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	9.09		3.93
	For >100 To 250, Deduct	-0.49		
	For >250 To 500, Deduct	-0.72		
	For >500 To 1,000, Deduct	-1.08		
	For >1,000, Deduct	-1.43		
	For 304 Stainless Steel, Add	10.94		
	For 316 Stainless Steel, Add	12.29		
	For Aluminum, Add	0.69		
	For Galvanized Steel, Add	2.38		
	For High Strength Steel (HSS), Add	1.82		
05 12 23 00-0455	LF 2" x 1" x 1/4" Thick, Plain Steel Angle Iron	8.06		3.69
	For >100 To 250, Deduct	-0.44		
	For >250 To 500, Deduct	-0.64		
	For >500 To 1,000, Deduct	-0.97		
	For >1,000, Deduct	-1.29		
	For 304 Stainless Steel, Add	9.21		
	For 316 Stainless Steel, Add	10.34		
	For Aluminum, Add	0.58		
	For Galvanized Steel, Add	2.00		
	For High Strength Steel (HSS), Add	1.61		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0456	LF	2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	.....	9.07	3.93
		For >100 To 250, Deduct	.....	-0.49	
		For >250 To 500, Deduct	.....	-0.72	
		For >500 To 1,000, Deduct	.....	-1.07	
		For >1,000, Deduct	.....	-1.43	
		For 304 Stainless Steel, Add	.....	10.89	
		For 316 Stainless Steel, Add	.....	12.22	
		For Aluminum, Add	.....	0.69	
		For Galvanized Steel, Add	.....	2.37	
		For High Strength Steel (HSS), Add	.....	1.81	
05 12 23 00-0457	LF	2" x 2" x 1/4" Thick, Plain Steel Angle Iron	.....	9.81	4.06
		For >100 To 250, Deduct	.....	-0.52	
		For >250 To 500, Deduct	.....	-0.76	
		For >500 To 1,000, Deduct	.....	-1.14	
		For >1,000, Deduct	.....	-1.52	
		For 304 Stainless Steel, Add	.....	12.54	
		For 316 Stainless Steel, Add	.....	14.08	
		For Aluminum, Add	.....	0.79	
		For Galvanized Steel, Add	.....	2.73	
		For High Strength Steel (HSS), Add	.....	1.96	
05 12 23 00-0458	LF	2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	.....	11.01	4.50
		For >100 To 250, Deduct	.....	-0.58	
		For >250 To 500, Deduct	.....	-0.85	
		For >500 To 1,000, Deduct	.....	-1.28	
		For >1,000, Deduct	.....	-1.70	
		For 304 Stainless Steel, Add	.....	14.28	
		For 316 Stainless Steel, Add	.....	16.03	
		For Aluminum, Add	.....	0.90	
		For Galvanized Steel, Add	.....	3.11	
		For High Strength Steel (HSS), Add	.....	2.20	
05 12 23 00-0459	LF	2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	.....	12.24	4.93
		For >100 To 250, Deduct	.....	-0.64	
		For >250 To 500, Deduct	.....	-0.94	
		For >500 To 1,000, Deduct	.....	-1.41	
		For >1,000, Deduct	.....	-1.88	
		For 304 Stainless Steel, Add	.....	16.13	
		For 316 Stainless Steel, Add	.....	18.11	
		For Aluminum, Add	.....	1.02	
		For Galvanized Steel, Add	.....	3.51	
		For High Strength Steel (HSS), Add	.....	2.45	
05 12 23 00-0460	LF	3" x 2" x 1/4" Thick, Plain Steel Angle Iron	.....	12.24	4.93
		For >100 To 250, Deduct	.....	-0.64	
		For >250 To 500, Deduct	.....	-0.94	
		For >500 To 1,000, Deduct	.....	-1.41	
		For >1,000, Deduct	.....	-1.88	
		For 304 Stainless Steel, Add	.....	16.13	
		For 316 Stainless Steel, Add	.....	18.11	
		For Aluminum, Add	.....	1.02	
		For Galvanized Steel, Add	.....	3.51	
		For High Strength Steel (HSS), Add	.....	2.45	
05 12 23 00-0461	LF	3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	.....	13.51	5.47
		For >100 To 250, Deduct	.....	-0.70	
		For >250 To 500, Deduct	.....	-1.04	
		For >500 To 1,000, Deduct	.....	-1.56	
		For >1,000, Deduct	.....	-2.08	
		For 304 Stainless Steel, Add	.....	17.73	
		For 316 Stainless Steel, Add	.....	19.90	
		For Aluminum, Add	.....	1.12	
		For Galvanized Steel, Add	.....	3.86	
		For High Strength Steel (HSS), Add	.....	2.70	
05 12 23 00-0462	LF	3" x 3" x 1/4" Thick, Plain Steel Angle Iron	.....	14.78	6.01
		For >100 To 250, Deduct	.....	-0.77	
		For >250 To 500, Deduct	.....	-1.14	
		For >500 To 1,000, Deduct	.....	-1.71	
		For >1,000, Deduct	.....	-2.28	
		For 304 Stainless Steel, Add	.....	19.27	
		For 316 Stainless Steel, Add	.....	21.63	
		For Aluminum, Add	.....	1.22	
		For Galvanized Steel, Add	.....	4.19	
		For High Strength Steel (HSS), Add	.....	2.96	
05 12 23 00-0463	LF	3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	.....	16.07	6.47
		For >100 To 250, Deduct	.....	-0.83	
		For >250 To 500, Deduct	.....	-1.23	
		For >500 To 1,000, Deduct	.....	-1.85	
		For >1,000, Deduct	.....	-2.47	
		For 304 Stainless Steel, Add	.....	21.23	
		For 316 Stainless Steel, Add	.....	23.84	
		For Aluminum, Add	.....	1.34	
		For Galvanized Steel, Add	.....	4.62	
		For High Strength Steel (HSS), Add	.....	3.21	
05 12 23 00-0464	LF	3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	.....	17.02	0.67
		For >100 To 250, Deduct	.....	-0.88	
		For >250 To 500, Deduct	.....	-1.30	
		For >500 To 1,000, Deduct	.....	-1.95	
		For >1,000, Deduct	.....	-2.60	
		For 304 Stainless Steel, Add	.....	22.86	
		For 316 Stainless Steel, Add	.....	25.66	
		For Aluminum, Add	.....	1.44	
		For Galvanized Steel, Add	.....	4.97	
		For High Strength Steel (HSS), Add	.....	3.40	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0465	LF 4" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	17.02	6.76
	For >100 To 250, Deduct	-0.88	
	For >250 To 500, Deduct	-1.30	
	For >500 To 1,000, Deduct	-1.95	
	For >1,000, Deduct	-2.60	
	For 304 Stainless Steel, Add	22.86	
	For 316 Stainless Steel, Add	25.66	
	For Aluminum, Add	1.44	
	For Galvanized Steel, Add	4.97	
	For High Strength Steel (HSS), Add	3.40	
05 12 23 00-0466	LF 4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.93	7.04
	For >100 To 250, Deduct	-0.92	
	For >250 To 500, Deduct	-1.37	
	For >500 To 1,000, Deduct	-2.05	
	For >1,000, Deduct	-2.73	
	For 304 Stainless Steel, Add	24.37	
	For 316 Stainless Steel, Add	27.36	
	For Aluminum, Add	1.54	
	For Galvanized Steel, Add	5.30	
	For High Strength Steel (HSS), Add	3.59	
05 12 23 00-0467	LF 4" x 4" x 1/4" Thick, Plain Steel Angle Iron.....	18.91	7.33
	For >100 To 250, Deduct	-0.96	
	For >250 To 500, Deduct	-1.43	
	For >500 To 1,000, Deduct	-2.15	
	For >1,000, Deduct	-2.87	
	For 304 Stainless Steel, Add	26.02	
	For 316 Stainless Steel, Add	29.22	
	For Aluminum, Add	1.64	
	For Galvanized Steel, Add	5.66	
	For High Strength Steel (HSS), Add	3.78	
05 12 23 00-0468	LF 5" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	18.91	7.33
	For >100 To 250, Deduct	-0.96	
	For >250 To 500, Deduct	-1.43	
	For >500 To 1,000, Deduct	-2.15	
	For >1,000, Deduct	-2.87	
	For 304 Stainless Steel, Add	26.02	
	For 316 Stainless Steel, Add	29.22	
	For Aluminum, Add	1.64	
	For Galvanized Steel, Add	5.66	
	For High Strength Steel (HSS), Add	3.78	
05 12 23 00-0469	LF 5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	19.97	7.73
	For >100 To 250, Deduct	-1.01	
	For >250 To 500, Deduct	-1.51	
	For >500 To 1,000, Deduct	-2.27	
	For >1,000, Deduct	-3.03	
	For 304 Stainless Steel, Add	27.53	
	For 316 Stainless Steel, Add	30.91	
	For Aluminum, Add	1.74	
	For Galvanized Steel, Add	5.99	
	For High Strength Steel (HSS), Add	3.99	

05 12 23 00-0470 5/16" Thick (05 12 23 00-0423)

05 12 23 00-0471	LF 2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	13.19	5.23
	For >100 To 250, Deduct	-0.68	
	For >250 To 500, Deduct	-1.01	
	For >500 To 1,000, Deduct	-1.51	
	For >1,000, Deduct	-2.02	
	For 304 Stainless Steel, Add	17.73	
	For 316 Stainless Steel, Add	19.90	
	For Aluminum, Add	1.12	
	For Galvanized Steel, Add	3.86	
	For High Strength Steel (HSS), Add	2.64	
05 12 23 00-0472	LF 2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	14.30	5.54
	For >100 To 250, Deduct	-0.73	
	For >250 To 500, Deduct	-1.08	
	For >500 To 1,000, Deduct	-1.63	
	For >1,000, Deduct	-2.17	
	For 304 Stainless Steel, Add	19.69	
	For 316 Stainless Steel, Add	22.11	
	For Aluminum, Add	1.24	
	For Galvanized Steel, Add	4.28	
	For High Strength Steel (HSS), Add	2.86	
05 12 23 00-0473	LF 3" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	14.30	5.54
	For >100 To 250, Deduct	-0.73	
	For >250 To 500, Deduct	-1.08	
	For >500 To 1,000, Deduct	-1.63	
	For >1,000, Deduct	-2.17	
	For 304 Stainless Steel, Add	19.69	
	For 316 Stainless Steel, Add	22.11	
	For Aluminum, Add	1.24	
	For Galvanized Steel, Add	4.28	
	For High Strength Steel (HSS), Add	2.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0474	LF	3"	3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	15.84	6.07
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.20	
			For >500 To 1,000, Deduct	-1.80	
			For >1,000, Deduct	-2.39	
			For 304 Stainless Steel, Add	22.06	
			For 316 Stainless Steel, Add	24.77	
			For Aluminum, Add	1.39	
			For Galvanized Steel, Add	4.80	
			For High Strength Steel (HSS), Add	3.17	
05 12 23 00-0475	LF	3"	3" x 3" x 5/16" Thick, Plain Steel Angle Iron	17.24	6.61
			For >100 To 250, Deduct	-0.87	
			For >250 To 500, Deduct	-1.30	
			For >500 To 1,000, Deduct	-1.95	
			For >1,000, Deduct	-2.60	
			For 304 Stainless Steel, Add	24.05	
			For 316 Stainless Steel, Add	27.01	
			For Aluminum, Add	1.52	
			For Galvanized Steel, Add	5.23	
			For High Strength Steel (HSS), Add	3.45	
05 12 23 00-0476	LF	3-1/2"	3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	18.38	6.94
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.38	
			For >500 To 1,000, Deduct	-2.07	
			For >1,000, Deduct	-2.76	
			For 304 Stainless Steel, Add	26.02	
			For 316 Stainless Steel, Add	29.22	
			For Aluminum, Add	1.64	
			For Galvanized Steel, Add	5.66	
			For High Strength Steel (HSS), Add	3.68	
05 12 23 00-0477	LF	3-1/2"	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	19.64	7.28
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.20	
			For >1,000, Deduct	-2.94	
			For 304 Stainless Steel, Add	28.30	
			For 316 Stainless Steel, Add	31.78	
			For Aluminum, Add	1.79	
			For Galvanized Steel, Add	6.16	
			For High Strength Steel (HSS), Add	3.93	
05 12 23 00-0478	LF	4"	4" x 3" x 5/16" Thick, Plain Steel Angle Iron	19.64	7.28
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.20	
			For >1,000, Deduct	-2.94	
			For 304 Stainless Steel, Add	28.30	
			For 316 Stainless Steel, Add	31.78	
			For Aluminum, Add	1.79	
			For Galvanized Steel, Add	6.16	
			For High Strength Steel (HSS), Add	3.93	
05 12 23 00-0479	LF	4"	4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	20.88	7.69
			For >100 To 250, Deduct	-1.04	
			For >250 To 500, Deduct	-1.56	
			For >500 To 1,000, Deduct	-2.34	
			For >1,000, Deduct	-3.11	
			For 304 Stainless Steel, Add	30.27	
			For 316 Stainless Steel, Add	33.98	
			For Aluminum, Add	1.91	
			For Galvanized Steel, Add	6.58	
			For High Strength Steel (HSS), Add	4.18	
05 12 23 00-0480	LF	4"	4" x 4" x 5/16" Thick, Plain Steel Angle Iron	22.07	8.04
			For >100 To 250, Deduct	-1.09	
			For >250 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-2.46	
			For >1,000, Deduct	-3.28	
			For 304 Stainless Steel, Add	32.32	
			For 316 Stainless Steel, Add	36.29	
			For Aluminum, Add	2.04	
			For Galvanized Steel, Add	7.03	
			For High Strength Steel (HSS), Add	4.41	
05 12 23 00-0481	LF	5"	5" x 3" x 5/16" Thick, Plain Steel Angle Iron	22.07	8.04
			For >100 To 250, Deduct	-1.09	
			For >250 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-2.46	
			For >1,000, Deduct	-3.28	
			For 304 Stainless Steel, Add	32.32	
			For 316 Stainless Steel, Add	36.29	
			For Aluminum, Add	2.04	
			For Galvanized Steel, Add	7.03	
			For High Strength Steel (HSS), Add	4.41	
05 12 23 00-0482	LF	5"	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	23.17	8.38
			For >100 To 250, Deduct	-1.14	
			For >250 To 500, Deduct	-1.72	
			For >500 To 1,000, Deduct	-2.58	
			For >1,000, Deduct	-3.43	
			For 304 Stainless Steel, Add	34.20	
			For 316 Stainless Steel, Add	38.40	
			For Aluminum, Add	2.16	
			For Galvanized Steel, Add	7.44	
			For High Strength Steel (HSS), Add	4.63	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 12 23 00-0483	LF 5" x 5" x 5/16" Thick, Plain Steel Angle Iron.....	25.88	8.73
	For >100 To 250, Deduct	-1.23	
	For >250 To 500, Deduct	-1.88	
	For >500 To 1,000, Deduct	-2.81	
	For >1,000, Deduct	-3.75	
	For 304 Stainless Steel, Add	40.58	
	For 316 Stainless Steel, Add	45.57	
	For Aluminum, Add	2.56	
	For Galvanized Steel, Add	8.83	
	For High Strength Steel (HSS), Add	5.18	
05 12 23 00-0484	LF 6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	25.65	9.09
	For >100 To 250, Deduct	-1.25	
	For >250 To 500, Deduct	-1.89	
	For >500 To 1,000, Deduct	-2.83	
	For >1,000, Deduct	-3.78	
	For 304 Stainless Steel, Add	38.53	
	For 316 Stainless Steel, Add	43.26	
	For Aluminum, Add	2.43	
	For Galvanized Steel, Add	8.38	
	For High Strength Steel (HSS), Add	5.13	
05 12 23 00-0485	3/8" Thick (05 12 23 00-0423)		
05 12 23 00-0486	LF 3" x 2" x 3/8" Thick, Plain Steel Angle Iron.....	15.87	5.80
	For >100 To 250, Deduct	-0.78	
	For >250 To 500, Deduct	-1.18	
	For >500 To 1,000, Deduct	-1.77	
	For >1,000, Deduct	-2.36	
	For 304 Stainless Steel, Add	23.20	
	For 316 Stainless Steel, Add	26.05	
	For Aluminum, Add	1.47	
	For Galvanized Steel, Add	5.05	
	For High Strength Steel (HSS), Add	3.17	
05 12 23 00-0487	LF 3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	17.51	6.28
	For >100 To 250, Deduct	-0.86	
	For >250 To 500, Deduct	-1.29	
	For >500 To 1,000, Deduct	-1.94	
	For >1,000, Deduct	-2.59	
	For 304 Stainless Steel, Add	26.02	
	For 316 Stainless Steel, Add	29.22	
	For Aluminum, Add	1.64	
	For Galvanized Steel, Add	5.66	
	For High Strength Steel (HSS), Add	3.50	
05 12 23 00-0488	LF 3" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	18.95	6.77
	For >100 To 250, Deduct	-0.92	
	For >250 To 500, Deduct	-1.40	
	For >500 To 1,000, Deduct	-2.10	
	For >1,000, Deduct	-2.80	
	For 304 Stainless Steel, Add	28.30	
	For 316 Stainless Steel, Add	31.78	
	For Aluminum, Add	1.79	
	For Galvanized Steel, Add	6.16	
	For High Strength Steel (HSS), Add	3.79	
05 12 23 00-0489	LF 3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	20.19	6.95
	For >100 To 250, Deduct	-0.97	
	For >250 To 500, Deduct	-1.47	
	For >500 To 1,000, Deduct	-2.21	
	For >1,000, Deduct	-2.95	
	For 304 Stainless Steel, Add	31.15	
	For 316 Stainless Steel, Add	34.98	
	For Aluminum, Add	1.97	
	For Galvanized Steel, Add	6.78	
	For High Strength Steel (HSS), Add	4.04	
05 12 23 00-0490	LF 3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	21.51	7.33
	For >100 To 250, Deduct	-1.03	
	For >250 To 500, Deduct	-1.56	
	For >500 To 1,000, Deduct	-2.35	
	For >1,000, Deduct	-3.13	
	For 304 Stainless Steel, Add	33.43	
	For 316 Stainless Steel, Add	37.54	
	For Aluminum, Add	2.11	
	For Galvanized Steel, Add	7.27	
	For High Strength Steel (HSS), Add	4.30	
05 12 23 00-0491	LF 4" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	21.51	7.33
	For >100 To 250, Deduct	-1.03	
	For >250 To 500, Deduct	-1.56	
	For >500 To 1,000, Deduct	-2.35	
	For >1,000, Deduct	-3.13	
	For 304 Stainless Steel, Add	33.43	
	For 316 Stainless Steel, Add	37.54	
	For Aluminum, Add	2.11	
	For Galvanized Steel, Add	7.27	
	For High Strength Steel (HSS), Add	4.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0492	LF		4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	23.20	7.99
			For >100 To 250, Deduct	-1.11	
			For >250 To 500, Deduct	-1.69	
			For >500 To 1,000, Deduct	-2.54	
			For >1,000, Deduct	-3.39	
			For 304 Stainless Steel, Add	35.77	
			For 316 Stainless Steel, Add	40.16	
			For Aluminum, Add	2.26	
			For Galvanized Steel, Add	7.78	
			For High Strength Steel (HSS), Add	4.64	
05 12 23 00-0493	LF		4" x 4" x 3/8" Thick, Plain Steel Angle Iron	24.48	8.22
			For >100 To 250, Deduct	-1.16	
			For >250 To 500, Deduct	-1.77	
			For >500 To 1,000, Deduct	-2.66	
			For >1,000, Deduct	-3.54	
			For 304 Stainless Steel, Add	38.53	
			For 316 Stainless Steel, Add	43.26	
			For Aluminum, Add	2.43	
			For Galvanized Steel, Add	8.38	
			For High Strength Steel (HSS), Add	4.90	
05 12 23 00-0494	LF		5" x 3" x 3/8" Thick, Plain Steel Angle Iron	24.92	8.55
			For >100 To 250, Deduct	-1.19	
			For >250 To 500, Deduct	-1.82	
			For >500 To 1,000, Deduct	-2.72	
			For >1,000, Deduct	-3.63	
			For 304 Stainless Steel, Add	38.53	
			For 316 Stainless Steel, Add	43.26	
			For Aluminum, Add	2.43	
			For Galvanized Steel, Add	8.38	
			For High Strength Steel (HSS), Add	4.98	
05 12 23 00-0495	LF		5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	26.64	9.21
			For >100 To 250, Deduct	-1.28	
			For >250 To 500, Deduct	-1.95	
			For >500 To 1,000, Deduct	-2.92	
			For >1,000, Deduct	-3.89	
			For 304 Stainless Steel, Add	40.90	
			For 316 Stainless Steel, Add	45.92	
			For Aluminum, Add	2.58	
			For Galvanized Steel, Add	8.90	
			For High Strength Steel (HSS), Add	5.33	
05 12 23 00-0496	LF		5" x 5" x 3/8" Thick, Plain Steel Angle Iron	31.32	10.74
			For >100 To 250, Deduct	-1.50	
			For >250 To 500, Deduct	-2.28	
			For >500 To 1,000, Deduct	-3.42	
			For >1,000, Deduct	-4.56	
			For 304 Stainless Steel, Add	48.48	
			For 316 Stainless Steel, Add	54.43	
			For Aluminum, Add	3.06	
			For Galvanized Steel, Add	10.55	
			For High Strength Steel (HSS), Add	6.26	
05 12 23 00-0497	LF		6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	29.44	9.98
			For >100 To 250, Deduct	-1.40	
			For >250 To 500, Deduct	-2.14	
			For >500 To 1,000, Deduct	-3.21	
			For >1,000, Deduct	-4.27	
			For 304 Stainless Steel, Add	46.00	
			For 316 Stainless Steel, Add	51.65	
			For Aluminum, Add	2.91	
			For Galvanized Steel, Add	10.01	
			For High Strength Steel (HSS), Add	5.89	
05 12 23 00-0498	LF		6" x 4" x 3/8" Thick, Plain Steel Angle Iron	31.32	10.74
			For >100 To 250, Deduct	-1.50	
			For >250 To 500, Deduct	-2.28	
			For >500 To 1,000, Deduct	-3.42	
			For >1,000, Deduct	-4.56	
			For 304 Stainless Steel, Add	48.48	
			For 316 Stainless Steel, Add	54.43	
			For Aluminum, Add	3.06	
			For Galvanized Steel, Add	10.55	
			For High Strength Steel (HSS), Add	6.26	
05 12 23 00-0499	LF		6" x 6" x 3/8" Thick, Plain Steel Angle Iron	37.78	12.88
			For >100 To 250, Deduct	-1.80	
			For >250 To 500, Deduct	-2.75	
			For >500 To 1,000, Deduct	-4.12	
			For >1,000, Deduct	-5.50	
			For 304 Stainless Steel, Add	58.74	
			For 316 Stainless Steel, Add	65.95	
			For Aluminum, Add	3.71	
			For Galvanized Steel, Add	12.78	
			For High Strength Steel (HSS), Add	7.56	
05 12 23 00-0500	LF		7" x 4" x 3/8" Thick, Plain Steel Angle Iron	34.55	11.81
			For >100 To 250, Deduct	-1.65	
			For >250 To 500, Deduct	-2.52	
			For >500 To 1,000, Deduct	-3.77	
			For >1,000, Deduct	-5.03	
			For 304 Stainless Steel, Add	53.58	
			For 316 Stainless Steel, Add	60.16	
			For Aluminum, Add	3.38	
			For Galvanized Steel, Add	11.66	
			For High Strength Steel (HSS), Add	6.91	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0501	1/2" Thick (05 12 23 00-0423)		
05 12 23 00-0502	LF 3" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	22.21	6.91
	For >100 To 250, Deduct	-1.02	
	For >250 To 500, Deduct	-1.57	
	For >500 To 1,000, Deduct	-2.36	
	For >1,000, Deduct	-3.14	
	For 304 Stainless Steel, Add	37.05	
	For 316 Stainless Steel, Add	41.60	
	For Aluminum, Add	2.34	
	For Galvanized Steel, Add	8.06	
	For High Strength Steel (HSS), Add	4.44	
05 12 23 00-0503	LF 4" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	26.24	8.17
	For >100 To 250, Deduct	-1.20	
	For >250 To 500, Deduct	-1.86	
	For >500 To 1,000, Deduct	-2.78	
	For >1,000, Deduct	-3.71	
	For 304 Stainless Steel, Add	43.75	
	For 316 Stainless Steel, Add	49.12	
	For Aluminum, Add	2.76	
	For Galvanized Steel, Add	9.52	
	For High Strength Steel (HSS), Add	5.25	
05 12 23 00-0504	LF 4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	28.12	8.75
	For >100 To 250, Deduct	-1.29	
	For >250 To 500, Deduct	-1.99	
	For >500 To 1,000, Deduct	-2.98	
	For >1,000, Deduct	-3.98	
	For 304 Stainless Steel, Add	46.91	
	For 316 Stainless Steel, Add	52.67	
	For Aluminum, Add	2.96	
	For Galvanized Steel, Add	10.21	
	For High Strength Steel (HSS), Add	5.62	
05 12 23 00-0505	LF 4" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	30.25	9.42
	For >100 To 250, Deduct	-1.38	
	For >250 To 500, Deduct	-2.14	
	For >500 To 1,000, Deduct	-3.21	
	For >1,000, Deduct	-4.28	
	For 304 Stainless Steel, Add	50.45	
	For 316 Stainless Steel, Add	56.64	
	For Aluminum, Add	3.19	
	For Galvanized Steel, Add	10.97	
	For High Strength Steel (HSS), Add	6.05	
05 12 23 00-0506	LF 5" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	30.25	9.42
	For >100 To 250, Deduct	-1.38	
	For >250 To 500, Deduct	-2.14	
	For >500 To 1,000, Deduct	-3.21	
	For >1,000, Deduct	-4.28	
	For 304 Stainless Steel, Add	50.45	
	For 316 Stainless Steel, Add	56.64	
	For Aluminum, Add	3.19	
	For Galvanized Steel, Add	10.97	
	For High Strength Steel (HSS), Add	6.05	
05 12 23 00-0507	LF 5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	32.14	10.00
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-2.27	
	For >500 To 1,000, Deduct	-3.41	
	For >1,000, Deduct	-4.55	
	For 304 Stainless Steel, Add	53.61	
	For 316 Stainless Steel, Add	60.19	
	For Aluminum, Add	3.39	
	For Galvanized Steel, Add	11.66	
	For High Strength Steel (HSS), Add	6.43	
05 12 23 00-0508	LF 5" x 5" x 1/2" Thick, Plain Steel Angle Iron.....	38.28	11.91
	For >100 To 250, Deduct	-1.75	
	For >250 To 500, Deduct	-2.71	
	For >500 To 1,000, Deduct	-4.06	
	For >1,000, Deduct	-5.42	
	For 304 Stainless Steel, Add	63.84	
	For 316 Stainless Steel, Add	71.68	
	For Aluminum, Add	4.03	
	For Galvanized Steel, Add	13.89	
	For High Strength Steel (HSS), Add	7.66	
05 12 23 00-0509	LF 6" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	38.28	11.91
	For >100 To 250, Deduct	-1.75	
	For >250 To 500, Deduct	-2.71	
	For >500 To 1,000, Deduct	-4.06	
	For >1,000, Deduct	-5.42	
	For 304 Stainless Steel, Add	63.84	
	For 316 Stainless Steel, Add	71.68	
	For Aluminum, Add	4.03	
	For Galvanized Steel, Add	13.89	
	For High Strength Steel (HSS), Add	7.66	
05 12 23 00-0510	LF 6" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	46.31	14.41
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-3.28	
	For >500 To 1,000, Deduct	-4.91	
	For >1,000, Deduct	-6.55	
	For 304 Stainless Steel, Add	77.24	
	For 316 Stainless Steel, Add	86.72	
	For Aluminum, Add	4.88	
	For Galvanized Steel, Add	16.80	
	For High Strength Steel (HSS), Add	9.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0511	LF		7" x 4" x 1/2" Thick, Plain Steel Angle Iron	42.28	13.16
			For >100 To 250, Deduct	-1.93	
			For >250 To 500, Deduct	-2.99	
			For >500 To 1,000, Deduct	-4.49	
			For >1,000, Deduct	-5.98	
			For 304 Stainless Steel, Add	70.51	
			For 316 Stainless Steel, Add	79.17	
			For Aluminum, Add	4.45	
			For Galvanized Steel, Add	15.34	
			For High Strength Steel (HSS), Add	8.46	
05 12 23 00-0512	LF		8" x 4" x 1/2" Thick, Plain Steel Angle Iron	46.31	14.41
			For >100 To 250, Deduct	-2.12	
			For >250 To 500, Deduct	-3.28	
			For >500 To 1,000, Deduct	-4.91	
			For >1,000, Deduct	-6.55	
			For 304 Stainless Steel, Add	77.24	
			For 316 Stainless Steel, Add	86.72	
			For Aluminum, Add	4.88	
			For Galvanized Steel, Add	16.80	
			For High Strength Steel (HSS), Add	9.26	
05 12 23 00-0513	LF		8" x 6" x 1/2" Thick, Plain Steel Angle Iron	54.36	16.92
			For >100 To 250, Deduct	-2.49	
			For >250 To 500, Deduct	-3.85	
			For >500 To 1,000, Deduct	-5.77	
			For >1,000, Deduct	-7.69	
			For 304 Stainless Steel, Add	90.66	
			For 316 Stainless Steel, Add	101.79	
			For Aluminum, Add	5.73	
			For Galvanized Steel, Add	19.72	
			For High Strength Steel (HSS), Add	10.87	
05 12 23 00-0514	LF		8" x 8" x 1/2" Thick, Plain Steel Angle Iron	62.38	19.42
			For >100 To 250, Deduct	-2.85	
			For >250 To 500, Deduct	-4.41	
			For >500 To 1,000, Deduct	-6.62	
			For >1,000, Deduct	-8.83	
			For 304 Stainless Steel, Add	104.03	
			For 316 Stainless Steel, Add	116.80	
			For Aluminum, Add	6.57	
			For Galvanized Steel, Add	22.63	
			For High Strength Steel (HSS), Add	12.48	
05 12 23 00-0515 5/8" Thick (05 12 23 00-0423)					
05 12 23 00-0516	LF		4" x 4" x 5/8" Thick, Plain Steel Angle Iron	36.09	10.79
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.52	
			For >500 To 1,000, Deduct	-3.79	
			For >1,000, Deduct	-5.05	
			For 316 Stainless Steel, Add	69.47	
			For Aluminum, Add	3.91	
			For Galvanized Steel, Add	13.46	
			For High Strength Steel (HSS), Add	7.22	
05 12 23 00-0517	LF		5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	38.64	11.54
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.70	
			For >500 To 1,000, Deduct	-4.05	
			For >1,000, Deduct	-5.40	
			For 316 Stainless Steel, Add	74.37	
			For Aluminum, Add	4.18	
			For Galvanized Steel, Add	14.41	
			For High Strength Steel (HSS), Add	7.73	
05 12 23 00-0518	LF		5" x 5" x 5/8" Thick, Plain Steel Angle Iron	45.98	13.75
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-3.22	
			For >500 To 1,000, Deduct	-4.82	
			For >1,000, Deduct	-6.43	
			For 316 Stainless Steel, Add	88.48	
			For Aluminum, Add	4.98	
			For Galvanized Steel, Add	17.14	
			For High Strength Steel (HSS), Add	9.20	
05 12 23 00-0519	LF		6" x 4" x 5/8" Thick, Plain Steel Angle Iron	45.98	13.75
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-3.22	
			For >500 To 1,000, Deduct	-4.82	
			For >1,000, Deduct	-6.43	
			For 316 Stainless Steel, Add	88.48	
			For Aluminum, Add	4.98	
			For Galvanized Steel, Add	17.14	
			For High Strength Steel (HSS), Add	9.20	
05 12 23 00-0520	LF		6" x 6" x 5/8" Thick, Plain Steel Angle Iron	55.65	16.63
			For >100 To 250, Deduct	-2.50	
			For >250 To 500, Deduct	-3.89	
			For >500 To 1,000, Deduct	-5.84	
			For >1,000, Deduct	-7.78	
			For 316 Stainless Steel, Add	107.10	
			For Aluminum, Add	6.02	
			For Galvanized Steel, Add	20.75	
			For High Strength Steel (HSS), Add	11.13	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0521	LF 7" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	50.81		15.19
	For >100 To 250, Deduct	-2.28		
	For >250 To 500, Deduct	-3.55		
	For >500 To 1,000, Deduct	-5.33		
	For >1,000, Deduct	-7.11		
	For 316 Stainless Steel, Add	97.79		
	For Aluminum, Add	5.50		
	For Galvanized Steel, Add	18.95		
	For High Strength Steel (HSS), Add	10.16		
05 12 23 00-0522	LF 8" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	65.52		19.59
	For >100 To 250, Deduct	-2.94		
	For >250 To 500, Deduct	-4.58		
	For >500 To 1,000, Deduct	-6.87		
	For >1,000, Deduct	-9.16		
	For 316 Stainless Steel, Add	126.11		
	For Aluminum, Add	7.09		
	For Galvanized Steel, Add	24.43		
	For High Strength Steel (HSS), Add	13.10		
05 12 23 00-0523	LF 8" x 8" x 5/8" Thick, Plain Steel Angle Iron.....	75.18		22.47
	For >100 To 250, Deduct	-3.38		
	For >250 To 500, Deduct	-5.26		
	For >500 To 1,000, Deduct	-7.89		
	For >1,000, Deduct	-10.51		
	For 316 Stainless Steel, Add	144.70		
	For Aluminum, Add	8.14		
	For Galvanized Steel, Add	28.04		
	For High Strength Steel (HSS), Add	15.04		
05 12 23 00-0524 3/4" Thick (05 12 23 00-0423)				
05 12 23 00-0525	LF 4" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	41.49		11.92
	For >100 To 250, Deduct	-1.83		
	For >250 To 500, Deduct	-2.87		
	For >500 To 1,000, Deduct	-4.30		
	For >1,000, Deduct	-5.74		
	For 316 Stainless Steel, Add	81.89		
	For Aluminum, Add	4.61		
	For Galvanized Steel, Add	15.87		
	For High Strength Steel (HSS), Add	8.30		
05 12 23 00-0526	LF 5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	44.39		12.76
	For >100 To 250, Deduct	-1.96		
	For >250 To 500, Deduct	-3.07		
	For >500 To 1,000, Deduct	-4.61		
	For >1,000, Deduct	-6.14		
	For 316 Stainless Steel, Add	87.62		
	For Aluminum, Add	4.93		
	For Galvanized Steel, Add	16.98		
	For High Strength Steel (HSS), Add	8.88		
05 12 23 00-0527	LF 5" x 5" x 3/4" Thick, Plain Steel Angle Iron.....	52.91		15.21
	For >100 To 250, Deduct	-2.34		
	For >250 To 500, Deduct	-3.66		
	For >500 To 1,000, Deduct	-5.49		
	For >1,000, Deduct	-7.32		
	For 316 Stainless Steel, Add	104.45		
	For Aluminum, Add	5.88		
	For Galvanized Steel, Add	20.24		
	For High Strength Steel (HSS), Add	10.58		
05 12 23 00-0528	LF 6" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	52.91		15.21
	For >100 To 250, Deduct	-2.34		
	For >250 To 500, Deduct	-3.66		
	For >500 To 1,000, Deduct	-5.49		
	For >1,000, Deduct	-7.32		
	For 316 Stainless Steel, Add	104.45		
	For Aluminum, Add	5.88		
	For Galvanized Steel, Add	20.24		
	For High Strength Steel (HSS), Add	10.58		
05 12 23 00-0529	LF 6" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	64.35		18.49
	For >100 To 250, Deduct	-2.84		
	For >250 To 500, Deduct	-4.45		
	For >500 To 1,000, Deduct	-6.68		
	For >1,000, Deduct	-8.90		
	For 316 Stainless Steel, Add	127.01		
	For Aluminum, Add	7.14		
	For Galvanized Steel, Add	24.61		
	For High Strength Steel (HSS), Add	12.87		
05 12 23 00-0530	LF 7" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	58.74		16.88
	For >100 To 250, Deduct	-2.59		
	For >250 To 500, Deduct	-4.06		
	For >500 To 1,000, Deduct	-6.09		
	For >1,000, Deduct	-8.13		
	For 316 Stainless Steel, Add	115.94		
	For Aluminum, Add	6.52		
	For Galvanized Steel, Add	22.46		
	For High Strength Steel (HSS), Add	11.75		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0531	LF		8" x 4" x 3/4" Thick, Plain Steel Angle Iron	64.35	18.49
			For >100 To 250, Deduct	-2.84	
			For >250 To 500, Deduct	-4.45	
			For >500 To 1,000, Deduct	-6.68	
			For >1,000, Deduct	-8.90	
			For 316 Stainless Steel, Add	127.01	
			For Aluminum, Add	7.14	
			For Galvanized Steel, Add	24.61	
			For High Strength Steel (HSS), Add	12.87	
05 12 23 00-0532	LF		8" x 6" x 3/4" Thick, Plain Steel Angle Iron	75.78	21.77
			For >100 To 250, Deduct	-3.35	
			For >250 To 500, Deduct	-5.24	
			For >500 To 1,000, Deduct	-7.86	
			For >1,000, Deduct	-10.48	
			For 316 Stainless Steel, Add	149.60	
			For Aluminum, Add	8.42	
			For Galvanized Steel, Add	28.99	
			For High Strength Steel (HSS), Add	15.16	
05 12 23 00-0533	LF		8" x 8" x 3/4" Thick, Plain Steel Angle Iron	87.22	25.06
			For >100 To 250, Deduct	-3.85	
			For >250 To 500, Deduct	-6.03	
			For >500 To 1,000, Deduct	-9.05	
			For >1,000, Deduct	-12.06	
			For 316 Stainless Steel, Add	172.16	
			For Aluminum, Add	9.68	
			For Galvanized Steel, Add	33.36	
			For High Strength Steel (HSS), Add	17.44	
05 12 23 00-0534 7/8" Thick (05 12 23 00-0423)					
05 12 23 00-0535	LF		5" x 5" x 7/8" Thick, Plain Steel Angle Iron	59.41	16.35
			For >100 To 250, Deduct	-2.58	
			For >250 To 500, Deduct	-4.06	
			For >500 To 1,000, Deduct	-6.09	
			For >1,000, Deduct	-8.12	
			For 316 Stainless Steel, Add	120.35	
			For Aluminum, Add	6.77	
			For Galvanized Steel, Add	23.32	
			For High Strength Steel (HSS), Add	11.88	
05 12 23 00-0536	LF		6" x 4" x 7/8" Thick, Plain Steel Angle Iron	59.41	16.35
			For >100 To 250, Deduct	-2.58	
			For >250 To 500, Deduct	-4.06	
			For >500 To 1,000, Deduct	-6.09	
			For >1,000, Deduct	-8.12	
			For 316 Stainless Steel, Add	120.35	
			For Aluminum, Add	6.77	
			For Galvanized Steel, Add	23.32	
			For High Strength Steel (HSS), Add	11.88	
05 12 23 00-0537	LF		6" x 6" x 7/8" Thick, Plain Steel Angle Iron	72.32	19.91
			For >100 To 250, Deduct	-3.14	
			For >250 To 500, Deduct	-4.94	
			For >500 To 1,000, Deduct	-7.41	
			For >1,000, Deduct	-9.89	
			For 316 Stainless Steel, Add	146.50	
			For Aluminum, Add	8.24	
			For Galvanized Steel, Add	28.38	
			For High Strength Steel (HSS), Add	14.46	
05 12 23 00-0538	LF		8" x 6" x 7/8" Thick, Plain Steel Angle Iron	85.42	23.51
			For >100 To 250, Deduct	-3.70	
			For >250 To 500, Deduct	-5.84	
			For >500 To 1,000, Deduct	-8.76	
			For >1,000, Deduct	-11.68	
			For 316 Stainless Steel, Add	173.02	
			For Aluminum, Add	9.73	
			For Galvanized Steel, Add	33.52	
			For High Strength Steel (HSS), Add	17.08	
05 12 23 00-0539	LF		8" x 8" x 7/8" Thick, Plain Steel Angle Iron	98.30	27.07
			For >100 To 250, Deduct	-4.26	
			For >250 To 500, Deduct	-6.72	
			For >500 To 1,000, Deduct	-10.08	
			For >1,000, Deduct	-13.44	
			For 316 Stainless Steel, Add	199.10	
			For Aluminum, Add	11.20	
			For Galvanized Steel, Add	38.58	
			For High Strength Steel (HSS), Add	19.66	
05 12 23 00-0540 Bar Channel (05 12 23 00-0422)					
05 12 23 00-0541	LF		1" x 1/2" x 1/8" Thick Bar Channel.....	5.12	
			For 304 Stainless Steel, Add	4.30	
			For 316 Stainless Steel, Add	4.83	
			For Aluminum, Add	0.27	
			For Galvanized Steel, Add	0.94	
			For High Strength Steel (HSS), Add	1.02	
05 12 23 00-0542	LF		1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	5.73	
			For 304 Stainless Steel, Add	5.13	
			For 316 Stainless Steel, Add	5.76	
			For Aluminum, Add	0.32	
			For Galvanized Steel, Add	1.12	
			For High Strength Steel (HSS), Add	1.15	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0543	LF 1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	6.24	
	For 304 Stainless Steel, Add	5.67	
	For 316 Stainless Steel, Add	6.37	
	For Aluminum, Add	0.36	
	For Galvanized Steel, Add	1.23	
	For High Strength Steel (HSS), Add	1.25	
05 12 23 00-0544	LF 1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	7.17	
	For 304 Stainless Steel, Add	5.93	
	For 316 Stainless Steel, Add	6.66	
	For Aluminum, Add	0.37	
	For Galvanized Steel, Add	1.29	
	For High Strength Steel (HSS), Add	1.43	
05 12 23 00-0545	LF 2" x 1/2" x 1/8" Thick Bar Channel.....	7.64	
	For 304 Stainless Steel, Add	7.27	
	For 316 Stainless Steel, Add	8.16	
	For Aluminum, Add	0.46	
	For Galvanized Steel, Add	1.58	
05 12 23 00-0546	LF 2" x 1" x 1/8" Thick Bar Channel.....	10.10	
	For 304 Stainless Steel, Add	8.09	
	For 316 Stainless Steel, Add	9.09	
	For Aluminum, Add	0.51	
	For Galvanized Steel, Add	1.76	
05 12 23 00-0547	Channels - C (05 12 23 00-0422)		
05 12 23 00-0548	LF C2 x 1.78 - 2" Wide Channel.....	8.39	4.48
	For >100 To 250, Deduct	-0.51	
	For >250 To 500, Deduct	-0.72	
	For >500 To 1,000, Deduct	-1.08	
	For >1,000, Deduct	-1.44	
	For 304 Stainless Steel, Add	6.90	
	For 316 Stainless Steel, Add	7.74	
	For Aluminum, Add	0.44	
	For Galvanized Steel, Add	1.50	
05 12 23 00-0549	LF C3 x 4.1 - 3" Wide Channel.....	14.26	6.44
	For >100 To 250, Deduct	-0.79	
	For >250 To 500, Deduct	-1.14	
	For >500 To 1,000, Deduct	-1.71	
	For >1,000, Deduct	-2.29	
	For 304 Stainless Steel, Add	16.16	
	For 316 Stainless Steel, Add	18.14	
	For Aluminum, Add	1.02	
	For Galvanized Steel, Add	3.52	
05 12 23 00-0550	LF C3 x 5 - 3" Wide Channel.....	17.39	7.86
	For >100 To 250, Deduct	-0.96	
	For >250 To 500, Deduct	-1.39	
	For >500 To 1,000, Deduct	-2.09	
	For >1,000, Deduct	-2.79	
	For 304 Stainless Steel, Add	19.69	
	For 316 Stainless Steel, Add	22.11	
	For Aluminum, Add	1.24	
	For Galvanized Steel, Add	4.28	
05 12 23 00-0551	LF C3 x 6 - 3" Wide Channel.....	20.88	9.43
	For >100 To 250, Deduct	-1.15	
	For >250 To 500, Deduct	-1.67	
	For >500 To 1,000, Deduct	-2.51	
	For >1,000, Deduct	-3.35	
	For 304 Stainless Steel, Add	23.66	
	For 316 Stainless Steel, Add	26.56	
	For Aluminum, Add	1.49	
	For Galvanized Steel, Add	5.15	
05 12 23 00-0552	LF C4 x 5.4 - 4" Wide Channel.....	17.78	7.73
	For >100 To 250, Deduct	-0.96	
	For >250 To 500, Deduct	-1.40	
	For >500 To 1,000, Deduct	-2.11	
	For >1,000, Deduct	-2.81	
	For 304 Stainless Steel, Add	21.29	
	For 316 Stainless Steel, Add	23.90	
	For Aluminum, Add	1.34	
	For Galvanized Steel, Add	4.63	
05 12 23 00-0553	LF C4 x 7.25 - 4" Wide Channel.....	23.86	10.37
	For >100 To 250, Deduct	-1.29	
	For >250 To 500, Deduct	-1.89	
	For >500 To 1,000, Deduct	-2.83	
	For >1,000, Deduct	-3.77	
	For 304 Stainless Steel, Add	28.56	
	For 316 Stainless Steel, Add	32.06	
	For Aluminum, Add	1.80	
	For Galvanized Steel, Add	6.21	
05 12 23 00-0554	LF C5 x 6.7 - 5" Wide Channel.....	21.28	9.01
	For >100 To 250, Deduct	-1.13	
	For >250 To 500, Deduct	-1.67	
	For >500 To 1,000, Deduct	-2.50	
	For >1,000, Deduct	-3.33	
	For 304 Stainless Steel, Add	26.39	
	For 316 Stainless Steel, Add	29.63	
	For Aluminum, Add	1.67	
	For Galvanized Steel, Add	5.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0555	LF		C5 x 9 - 5" Wide Channel	28.59	12.11
			For >100 To 250, Deduct	-1.52	
			For >250 To 500, Deduct	-2.24	
			For >500 To 1,000, Deduct	-3.36	
			For >1,000, Deduct	-4.47	
			For 304 Stainless Steel, Add	35.45	
			For 316 Stainless Steel, Add	39.81	
			For Aluminum, Add	2.24	
			For Galvanized Steel, Add	7.71	
05 12 23 00-0556	LF		C6 x 8.2 - 6" Wide Channel	25.77	10.83
			For >100 To 250, Deduct	-1.37	
			For >250 To 500, Deduct	-2.01	
			For >500 To 1,000, Deduct	-3.02	
			For >1,000, Deduct	-4.02	
			For 304 Stainless Steel, Add	32.32	
			For 316 Stainless Steel, Add	36.29	
			For Aluminum, Add	2.04	
			For Galvanized Steel, Add	7.03	
05 12 23 00-0557	LF		C6 x 10.5 - 6" Wide Channel	33.00	13.86
			For >100 To 250, Deduct	-1.75	
			For >250 To 500, Deduct	-2.57	
			For >500 To 1,000, Deduct	-3.86	
			For >1,000, Deduct	-5.15	
			For 304 Stainless Steel, Add	41.38	
			For 316 Stainless Steel, Add	46.46	
			For Aluminum, Add	2.61	
			For Galvanized Steel, Add	9.00	
05 12 23 00-0558	LF		C6 x 13 - 6" Wide Channel	40.85	17.16
			For >100 To 250, Deduct	-2.17	
			For >250 To 500, Deduct	-3.19	
			For >500 To 1,000, Deduct	-4.78	
			For >1,000, Deduct	-6.37	
			For 304 Stainless Steel, Add	51.21	
			For 316 Stainless Steel, Add	57.50	
			For Aluminum, Add	3.23	
			For Galvanized Steel, Add	11.14	
05 12 23 00-0559	LF		C7 x 9.8 - 7" Wide Channel	30.73	12.88
			For >100 To 250, Deduct	-1.63	
			For >250 To 500, Deduct	-2.40	
			For >500 To 1,000, Deduct	-3.59	
			For >1,000, Deduct	-4.79	
			For 304 Stainless Steel, Add	38.62	
			For 316 Stainless Steel, Add	43.36	
			For Aluminum, Add	2.44	
			For Galvanized Steel, Add	8.40	
05 12 23 00-0560	LF		C7 x 12.25 - 7" Wide Channel	38.41	16.10
			For >100 To 250, Deduct	-2.03	
			For >250 To 500, Deduct	-2.99	
			For >500 To 1,000, Deduct	-4.49	
			For >1,000, Deduct	-5.99	
			For 304 Stainless Steel, Add	48.28	
			For 316 Stainless Steel, Add	54.21	
			For Aluminum, Add	3.05	
			For Galvanized Steel, Add	10.50	
05 12 23 00-0561	LF		C7 x 14.75 - 7" Wide Channel	46.25	19.39
			For >100 To 250, Deduct	-2.45	
			For >250 To 500, Deduct	-3.61	
			For >500 To 1,000, Deduct	-5.41	
			For >1,000, Deduct	-7.21	
			For 304 Stainless Steel, Add	58.11	
			For 316 Stainless Steel, Add	65.25	
			For Aluminum, Add	3.67	
			For Galvanized Steel, Add	12.64	
05 12 23 00-0562	LF		C8 x 11.5 - 8" Wide Channel	34.80	14.17
			For >100 To 250, Deduct	-1.82	
			For >250 To 500, Deduct	-2.69	
			For >500 To 1,000, Deduct	-4.03	
			For >1,000, Deduct	-5.37	
			For 304 Stainless Steel, Add	45.32	
			For 316 Stainless Steel, Add	50.88	
			For Aluminum, Add	2.86	
			For Galvanized Steel, Add	9.86	
05 12 23 00-0563	LF		C8 x 13.75 - 8" Wide Channel	41.61	16.95
			For >100 To 250, Deduct	-2.17	
			For >250 To 500, Deduct	-3.21	
			For >500 To 1,000, Deduct	-4.82	
			For >1,000, Deduct	-6.42	
			For 304 Stainless Steel, Add	54.18	
			For 316 Stainless Steel, Add	60.83	
			For Aluminum, Add	3.42	
			For Galvanized Steel, Add	11.79	
05 12 23 00-0564	LF		C8 x 18.75 - 8" Wide Channel	56.73	23.11
			For >100 To 250, Deduct	-2.96	
			For >250 To 500, Deduct	-4.38	
			For >500 To 1,000, Deduct	-6.57	
			For >1,000, Deduct	-8.75	
			For 304 Stainless Steel, Add	73.87	
			For 316 Stainless Steel, Add	82.94	
			For Aluminum, Add	4.67	
			For Galvanized Steel, Add	16.07	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0565	LF	C9 x 13.4 - 9" Wide Channel.....	40.55	16.52
		For >100 To 250, Deduct	-2.11	
		For >250 To 500, Deduct	-3.13	
		For >500 To 1,000, Deduct	-4.69	
		For >1,000, Deduct	-6.26	
		For 304 Stainless Steel, Add	52.81	
		For 316 Stainless Steel, Add	59.30	
		For Aluminum, Add	3.34	
		For Galvanized Steel, Add	11.49	
05 12 23 00-0566	LF	C9 x 15 - 9" Wide Channel.....	45.39	18.49
		For >100 To 250, Deduct	-2.37	
		For >250 To 500, Deduct	-3.50	
		For >500 To 1,000, Deduct	-5.25	
		For >1,000, Deduct	-7.00	
		For 304 Stainless Steel, Add	59.11	
		For 316 Stainless Steel, Add	66.37	
		For Aluminum, Add	3.73	
		For Galvanized Steel, Add	12.86	
05 12 23 00-0567	LF	C9 x 20 - 9" Wide Channel.....	60.52	24.65
		For >100 To 250, Deduct	-3.16	
		For >250 To 500, Deduct	-4.67	
		For >500 To 1,000, Deduct	-7.00	
		For >1,000, Deduct	-9.34	
		For 304 Stainless Steel, Add	78.80	
		For 316 Stainless Steel, Add	88.48	
		For Aluminum, Add	4.98	
		For Galvanized Steel, Add	17.14	
05 12 23 00-0568	LF	C10 x 15.3 - 10" Wide Channel.....	46.29	18.85
		For >100 To 250, Deduct	-2.41	
		For >250 To 500, Deduct	-3.57	
		For >500 To 1,000, Deduct	-5.36	
		For >1,000, Deduct	-7.14	
		For 304 Stainless Steel, Add	60.28	
		For 316 Stainless Steel, Add	67.68	
		For Aluminum, Add	3.81	
		For Galvanized Steel, Add	13.11	
05 12 23 00-0569	LF	C10 x 20 - 10" Wide Channel.....	60.52	24.65
		For >100 To 250, Deduct	-3.16	
		For >250 To 500, Deduct	-4.67	
		For >500 To 1,000, Deduct	-7.00	
		For >1,000, Deduct	-9.34	
		For 304 Stainless Steel, Add	78.80	
		For 316 Stainless Steel, Add	88.48	
		For Aluminum, Add	4.98	
		For Galvanized Steel, Add	17.14	
05 12 23 00-0570	LF	C10 x 25 - 10" Wide Channel.....	75.66	30.81
		For >100 To 250, Deduct	-3.95	
		For >250 To 500, Deduct	-5.84	
		For >500 To 1,000, Deduct	-8.76	
		For >1,000, Deduct	-11.68	
		For 304 Stainless Steel, Add	98.52	
		For 316 Stainless Steel, Add	110.62	
		For Aluminum, Add	6.22	
		For Galvanized Steel, Add	21.43	
05 12 23 00-0571	LF	C10 x 30 - 10" Wide Channel.....	90.78	36.97
		For >100 To 250, Deduct	-4.73	
		For >250 To 500, Deduct	-7.00	
		For >500 To 1,000, Deduct	-10.51	
		For >1,000, Deduct	-14.01	
		For 304 Stainless Steel, Add	118.22	
		For 316 Stainless Steel, Add	132.74	
		For Aluminum, Add	7.47	
		For Galvanized Steel, Add	25.72	
05 12 23 00-0572	LF	C12 x 20.7 - 12" Wide Channel.....	62.64	25.52
		For >100 To 250, Deduct	-3.27	
		For >250 To 500, Deduct	-4.83	
		For >500 To 1,000, Deduct	-7.25	
		For >1,000, Deduct	-9.67	
		For 304 Stainless Steel, Add	81.57	
		For 316 Stainless Steel, Add	91.58	
		For Aluminum, Add	5.15	
		For Galvanized Steel, Add	17.74	
05 12 23 00-0573	LF	C12 x 25 - 12" Wide Channel.....	75.66	30.81
		For >100 To 250, Deduct	-3.95	
		For >250 To 500, Deduct	-5.84	
		For >500 To 1,000, Deduct	-8.76	
		For >1,000, Deduct	-11.68	
		For 304 Stainless Steel, Add	98.52	
		For 316 Stainless Steel, Add	110.62	
		For Aluminum, Add	6.22	
		For Galvanized Steel, Add	21.43	
05 12 23 00-0574	LF	C12 x 30 - 12" Wide Channel.....	90.78	36.97
		For >100 To 250, Deduct	-4.73	
		For >250 To 500, Deduct	-7.00	
		For >500 To 1,000, Deduct	-10.51	
		For >1,000, Deduct	-14.01	
		For 304 Stainless Steel, Add	118.22	
		For 316 Stainless Steel, Add	132.74	
		For Aluminum, Add	7.47	
		For Galvanized Steel, Add	25.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0575	LF		C15 x 33.9 - 15" Wide Channel	102.58	41.78
			For >100 To 250, Deduct	-5.35	
			For >250 To 500, Deduct	-7.91	
			For >500 To 1,000, Deduct	-11.87	
			For >1,000, Deduct	-15.83	
			For 304 Stainless Steel, Add	133.58	
			For 316 Stainless Steel, Add	149.98	
			For Aluminum, Add	8.44	
			For Galvanized Steel, Add	29.06	
05 12 23 00-0576	LF		C15 x 40 - 15" Wide Channel	121.04	49.30
			For >100 To 250, Deduct	-6.31	
			For >250 To 500, Deduct	-9.34	
			For >500 To 1,000, Deduct	-14.01	
			For >1,000, Deduct	-18.68	
			For 304 Stainless Steel, Add	157.63	
			For 316 Stainless Steel, Add	176.99	
			For Aluminum, Add	9.96	
			For Galvanized Steel, Add	34.29	
05 12 23 00-0577	LF		C15 x 50 - 15" Wide Channel	151.30	61.62
			For >100 To 250, Deduct	-7.89	
			For >250 To 500, Deduct	-11.67	
			For >500 To 1,000, Deduct	-17.51	
			For >1,000, Deduct	-23.35	
			For 304 Stainless Steel, Add	197.02	
			For 316 Stainless Steel, Add	221.22	
			For Aluminum, Add	12.44	
			For Galvanized Steel, Add	42.86	
05 12 23 00-0578 Miscellaneous Channels - MC (05 12 23 00-0422)					
05 12 23 00-0579	LF		MC6 x 12 - 6" Wide Channel	37.71	15.84
			For >100 To 250, Deduct	-2.00	
			For >250 To 500, Deduct	-2.94	
			For >500 To 1,000, Deduct	-4.41	
			For >1,000, Deduct	-5.88	
			For 304 Stainless Steel, Add	47.28	
			For 316 Stainless Steel, Add	53.09	
			For Aluminum, Add	2.99	
			For Galvanized Steel, Add	10.29	
05 12 23 00-0580	LF		MC6 x 15.1 - 6" Wide Channel	47.46	19.93
			For >100 To 250, Deduct	-2.52	
			For >250 To 500, Deduct	-3.70	
			For >500 To 1,000, Deduct	-5.55	
			For >1,000, Deduct	-7.40	
			For 304 Stainless Steel, Add	59.51	
			For 316 Stainless Steel, Add	66.82	
			For Aluminum, Add	3.76	
			For Galvanized Steel, Add	12.95	
05 12 23 00-0581	LF		MC6 x 15.3 - 6" Wide Channel	48.08	20.19
			For >100 To 250, Deduct	-2.55	
			For >250 To 500, Deduct	-3.75	
			For >500 To 1,000, Deduct	-5.63	
			For >1,000, Deduct	-7.50	
			For 304 Stainless Steel, Add	60.28	
			For 316 Stainless Steel, Add	67.68	
			For Aluminum, Add	3.81	
			For Galvanized Steel, Add	13.11	
05 12 23 00-0582	LF		MC6 x 16.3 - 6" Wide Channel	51.23	21.51
			For >100 To 250, Deduct	-2.72	
			For >250 To 500, Deduct	-4.00	
			For >500 To 1,000, Deduct	-5.99	
			For >1,000, Deduct	-7.99	
			For 304 Stainless Steel, Add	64.24	
			For 316 Stainless Steel, Add	72.13	
			For Aluminum, Add	4.06	
			For Galvanized Steel, Add	13.97	
05 12 23 00-0583	LF		MC6 x 18 - 6" Wide Channel	56.57	23.76
			For >100 To 250, Deduct	-3.00	
			For >250 To 500, Deduct	-4.41	
			For >500 To 1,000, Deduct	-6.62	
			For >1,000, Deduct	-8.83	
			For 304 Stainless Steel, Add	70.94	
			For 316 Stainless Steel, Add	79.65	
			For Aluminum, Add	4.48	
			For Galvanized Steel, Add	15.43	
05 12 23 00-0584	LF		MC7 x 17.6 - 7" Wide Channel	55.19	23.15
			For >100 To 250, Deduct	-2.92	
			For >250 To 500, Deduct	-4.30	
			For >500 To 1,000, Deduct	-6.45	
			For >1,000, Deduct	-8.61	
			For 304 Stainless Steel, Add	69.34	
			For 316 Stainless Steel, Add	77.86	
			For Aluminum, Add	4.38	
			For Galvanized Steel, Add	15.08	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0585	LF	MC7 x 19.1 - 7" Wide Channel.....	59.91	25.12
		For >100 To 250, Deduct	-3.17	
		For >250 To 500, Deduct	-4.67	
		For >500 To 1,000, Deduct	-7.01	
		For >1,000, Deduct	-9.34	
		For 304 Stainless Steel, Add	75.27	
		For 316 Stainless Steel, Add	84.51	
		For Aluminum, Add	4.75	
		For Galvanized Steel, Add	16.37	
05 12 23 00-0586	LF	MC7 x 22.7 - 7" Wide Channel.....	71.19	29.85
		For >100 To 250, Deduct	-3.77	
		For >250 To 500, Deduct	-5.55	
		For >500 To 1,000, Deduct	-8.32	
		For >1,000, Deduct	-11.10	
		For 304 Stainless Steel, Add	89.46	
		For 316 Stainless Steel, Add	100.45	
		For Aluminum, Add	5.65	
		For Galvanized Steel, Add	19.46	
05 12 23 00-0587	LF	MC8 x 8.5 - 8" Wide Channel.....	25.73	10.48
		For >100 To 250, Deduct	-1.34	
		For >250 To 500, Deduct	-1.99	
		For >500 To 1,000, Deduct	-2.98	
		For >1,000, Deduct	-3.97	
		For 304 Stainless Steel, Add	33.49	
		For 316 Stainless Steel, Add	37.60	
		For Aluminum, Add	2.12	
		For Galvanized Steel, Add	7.29	
05 12 23 00-0588	LF	MC8 x 18.7 - 8" Wide Channel.....	56.59	23.04
		For >100 To 250, Deduct	-2.95	
		For >250 To 500, Deduct	-4.37	
		For >500 To 1,000, Deduct	-6.55	
		For >1,000, Deduct	-8.73	
		For 304 Stainless Steel, Add	73.70	
		For 316 Stainless Steel, Add	82.75	
		For Aluminum, Add	4.65	
		For Galvanized Steel, Add	16.03	
05 12 23 00-0589	LF	MC8 x 20 - 8" Wide Channel.....	60.52	24.65
		For >100 To 250, Deduct	-3.16	
		For >250 To 500, Deduct	-4.67	
		For >500 To 1,000, Deduct	-7.00	
		For >1,000, Deduct	-9.34	
		For 304 Stainless Steel, Add	78.80	
		For 316 Stainless Steel, Add	88.48	
		For Aluminum, Add	4.98	
		For Galvanized Steel, Add	17.14	
05 12 23 00-0590	LF	MC8 x 21.4 - 8" Wide Channel.....	64.77	26.38
		For >100 To 250, Deduct	-3.38	
		For >250 To 500, Deduct	-5.00	
		For >500 To 1,000, Deduct	-7.50	
		For >1,000, Deduct	-10.00	
		For 304 Stainless Steel, Add	84.33	
		For 316 Stainless Steel, Add	94.69	
		For Aluminum, Add	5.33	
		For Galvanized Steel, Add	18.35	
05 12 23 00-0591	LF	MC8 x 22.8 - 8" Wide Channel.....	68.98	28.11
		For >100 To 250, Deduct	-3.60	
		For >250 To 500, Deduct	-5.32	
		For >500 To 1,000, Deduct	-7.98	
		For >1,000, Deduct	-10.64	
		For 304 Stainless Steel, Add	89.83	
		For 316 Stainless Steel, Add	100.86	
		For Aluminum, Add	5.67	
		For Galvanized Steel, Add	19.54	
05 12 23 00-0592	LF	MC9 x 23.9 - 9" Wide Channel.....	72.33	29.46
		For >100 To 250, Deduct	-3.77	
		For >250 To 500, Deduct	-5.58	
		For >500 To 1,000, Deduct	-8.37	
		For >1,000, Deduct	-11.16	
		For 304 Stainless Steel, Add	94.19	
		For 316 Stainless Steel, Add	105.76	
		For Aluminum, Add	5.95	
		For Galvanized Steel, Add	20.49	
05 12 23 00-0593	LF	MC9 x 25.4 - 9" Wide Channel.....	76.85	31.30
		For >100 To 250, Deduct	-4.01	
		For >250 To 500, Deduct	-5.93	
		For >500 To 1,000, Deduct	-8.89	
		For >1,000, Deduct	-11.86	
		For 304 Stainless Steel, Add	100.09	
		For 316 Stainless Steel, Add	112.38	
		For Aluminum, Add	6.32	
		For Galvanized Steel, Add	21.77	
05 12 23 00-0594	LF	MC10 x 6.5 - 10" Wide Channel.....	19.68	8.01
		For >100 To 250, Deduct	-1.03	
		For >250 To 500, Deduct	-1.52	
		For >500 To 1,000, Deduct	-2.28	
		For >1,000, Deduct	-3.04	
		For 304 Stainless Steel, Add	25.62	
		For 316 Stainless Steel, Add	28.77	
		For Aluminum, Add	1.62	
		For Galvanized Steel, Add	5.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0595	LF		MC10 x 8.4 - 10" Wide Channel	25.41	10.35
			For >100 To 250, Deduct	-1.33	
			For >250 To 500, Deduct	-1.96	
			For >500 To 1,000, Deduct	-2.94	
			For >1,000, Deduct	-3.92	
			For 304 Stainless Steel, Add	33.09	
			For 316 Stainless Steel, Add	37.15	
			For Aluminum, Add	2.09	
			For Galvanized Steel, Add	7.20	
05 12 23 00-0596	LF		MC10 x 21.9 - 10" Wide Channel	66.26	27.00
			For >100 To 250, Deduct	-3.46	
			For >250 To 500, Deduct	-5.11	
			For >500 To 1,000, Deduct	-7.67	
			For >1,000, Deduct	-10.22	
			For 304 Stainless Steel, Add	86.30	
			For 316 Stainless Steel, Add	96.90	
			For Aluminum, Add	5.45	
			For Galvanized Steel, Add	18.77	
05 12 23 00-0597	LF		MC10 x 24.9 - 10" Wide Channel	75.36	30.70
			For >100 To 250, Deduct	-3.93	
			For >250 To 500, Deduct	-5.81	
			For >500 To 1,000, Deduct	-8.72	
			For >1,000, Deduct	-11.63	
			For 304 Stainless Steel, Add	98.13	
			For 316 Stainless Steel, Add	110.18	
			For Aluminum, Add	6.20	
			For Galvanized Steel, Add	21.35	
05 12 23 00-0598	LF		MC10 x 25.3 - 10" Wide Channel	76.55	31.19
			For >100 To 250, Deduct	-3.99	
			For >250 To 500, Deduct	-5.91	
			For >500 To 1,000, Deduct	-8.86	
			For >1,000, Deduct	-11.81	
			For 304 Stainless Steel, Add	99.69	
			For 316 Stainless Steel, Add	111.94	
			For Aluminum, Add	6.30	
			For Galvanized Steel, Add	21.69	
05 12 23 00-0599	LF		MC10 x 28.3 - 10" Wide Channel	85.65	34.87
			For >100 To 250, Deduct	-4.47	
			For >250 To 500, Deduct	-6.61	
			For >500 To 1,000, Deduct	-9.91	
			For >1,000, Deduct	-13.22	
			For 304 Stainless Steel, Add	111.52	
			For 316 Stainless Steel, Add	125.22	
			For Aluminum, Add	7.04	
			For Galvanized Steel, Add	24.26	
05 12 23 00-0600	LF		MC10 x 28.5 - 10" Wide Channel	86.25	35.13
			For >100 To 250, Deduct	-4.50	
			For >250 To 500, Deduct	-6.65	
			For >500 To 1,000, Deduct	-9.98	
			For >1,000, Deduct	-13.31	
			For 304 Stainless Steel, Add	112.32	
			For 316 Stainless Steel, Add	126.11	
			For Aluminum, Add	7.09	
			For Galvanized Steel, Add	24.43	
05 12 23 00-0601	LF		MC10 x 33.6 - 10" Wide Channel	101.68	41.42
			For >100 To 250, Deduct	-5.30	
			For >250 To 500, Deduct	-7.85	
			For >500 To 1,000, Deduct	-11.77	
			For >1,000, Deduct	-15.69	
			For 304 Stainless Steel, Add	132.41	
			For 316 Stainless Steel, Add	148.67	
			For Aluminum, Add	8.36	
			For Galvanized Steel, Add	28.81	
05 12 23 00-0602	LF		MC10 x 41.1 - 10" Wide Channel	124.37	50.66
			For >100 To 250, Deduct	-6.49	
			For >250 To 500, Deduct	-9.60	
			For >500 To 1,000, Deduct	-14.39	
			For >1,000, Deduct	-19.19	
			For 304 Stainless Steel, Add	161.97	
			For 316 Stainless Steel, Add	181.86	
			For Aluminum, Add	10.23	
			For Galvanized Steel, Add	35.23	
05 12 23 00-0603	LF		MC12 x 30.9 - 12" Wide Channel	93.51	38.09
			For >100 To 250, Deduct	-4.88	
			For >250 To 500, Deduct	-7.22	
			For >500 To 1,000, Deduct	-10.82	
			For >1,000, Deduct	-14.43	
			For 304 Stainless Steel, Add	121.75	
			For 316 Stainless Steel, Add	136.70	
			For Aluminum, Add	7.69	
			For Galvanized Steel, Add	26.49	
05 12 23 00-0604	LF		MC12 x 32.9 - 12" Wide Channel	99.56	40.54
			For >100 To 250, Deduct	-5.19	
			For >250 To 500, Deduct	-7.68	
			For >500 To 1,000, Deduct	-11.52	
			For >1,000, Deduct	-15.36	
			For 304 Stainless Steel, Add	129.65	
			For 316 Stainless Steel, Add	145.57	
			For Aluminum, Add	8.19	
			For Galvanized Steel, Add	28.20	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0605	LF	MC12 x 35 - 12" Wide Channel.....	105.91	43.13
		For >100 To 250, Deduct	-5.52	
		For >250 To 500, Deduct	-8.17	
		For >500 To 1,000, Deduct	-12.26	
		For >1,000, Deduct	-16.34	
		For 304 Stainless Steel, Add	137.91	
		For 316 Stainless Steel, Add	154.85	
		For Aluminum, Add	8.71	
		For Galvanized Steel, Add	30.00	
05 12 23 00-0606	LF	MC12 x 37 - 12" Wide Channel.....	111.97	45.61
		For >100 To 250, Deduct	-5.84	
		For >250 To 500, Deduct	-8.64	
		For >500 To 1,000, Deduct	-12.96	
		For >1,000, Deduct	-17.28	
		For 304 Stainless Steel, Add	145.81	
		For 316 Stainless Steel, Add	163.71	
		For Aluminum, Add	9.21	
		For Galvanized Steel, Add	31.72	
05 12 23 00-0607	LF	MC12 x 40 - 12" Wide Channel.....	121.04	49.30
		For >100 To 250, Deduct	-6.31	
		For >250 To 500, Deduct	-9.34	
		For >500 To 1,000, Deduct	-14.01	
		For >1,000, Deduct	-18.68	
		For 304 Stainless Steel, Add	157.63	
		For 316 Stainless Steel, Add	176.99	
		For Aluminum, Add	9.96	
		For Galvanized Steel, Add	34.29	
05 12 23 00-0608	LF	MC12 x 45 - 12" Wide Channel.....	136.18	55.47
		For >100 To 250, Deduct	-7.10	
		For >250 To 500, Deduct	-10.51	
		For >500 To 1,000, Deduct	-15.76	
		For >1,000, Deduct	-21.01	
		For 304 Stainless Steel, Add	177.33	
		For 316 Stainless Steel, Add	199.10	
		For Aluminum, Add	11.20	
		For Galvanized Steel, Add	38.58	
05 12 23 00-0609	LF	MC12 x 50 - 12" Wide Channel.....	151.30	61.63
		For >100 To 250, Deduct	-7.89	
		For >250 To 500, Deduct	-11.67	
		For >500 To 1,000, Deduct	-17.51	
		For >1,000, Deduct	-23.35	
		For 304 Stainless Steel, Add	197.02	
		For 316 Stainless Steel, Add	221.22	
		For Aluminum, Add	12.44	
		For Galvanized Steel, Add	42.86	
05 12 23 00-0610	LF	MC13 x 31.8 - 13" Wide Channel.....	96.24	39.20
		For >100 To 250, Deduct	-5.02	
		For >250 To 500, Deduct	-7.43	
		For >500 To 1,000, Deduct	-11.14	
		For >1,000, Deduct	-14.85	
		For 304 Stainless Steel, Add	125.31	
		For 316 Stainless Steel, Add	140.70	
		For Aluminum, Add	7.91	
		For Galvanized Steel, Add	27.26	
05 12 23 00-0611	LF	MC13 x 35 - 13" Wide Channel.....	105.91	43.13
		For >100 To 250, Deduct	-5.52	
		For >250 To 500, Deduct	-8.17	
		For >500 To 1,000, Deduct	-12.26	
		For >1,000, Deduct	-16.34	
		For 304 Stainless Steel, Add	137.91	
		For 316 Stainless Steel, Add	154.85	
		For Aluminum, Add	8.71	
		For Galvanized Steel, Add	30.00	
05 12 23 00-0612	LF	MC13 x 40 - 13" Wide Channel.....	121.04	49.30
		For >100 To 250, Deduct	-6.31	
		For >250 To 500, Deduct	-9.34	
		For >500 To 1,000, Deduct	-14.01	
		For >1,000, Deduct	-18.68	
		For 304 Stainless Steel, Add	157.63	
		For 316 Stainless Steel, Add	176.99	
		For Aluminum, Add	9.96	
		For Galvanized Steel, Add	34.29	
05 12 23 00-0613	LF	MC13 x 50 - 13" Wide Channel.....	151.30	61.63
		For >100 To 250, Deduct	-7.89	
		For >250 To 500, Deduct	-11.67	
		For >500 To 1,000, Deduct	-17.51	
		For >1,000, Deduct	-23.35	
		For 304 Stainless Steel, Add	197.02	
		For 316 Stainless Steel, Add	221.22	
		For Aluminum, Add	12.44	
		For Galvanized Steel, Add	42.86	
05 12 23 00-0614	LF	MC18 x 42.7 - 18" Wide Channel.....	129.21	52.63
		For >100 To 250, Deduct	-6.74	
		For >250 To 500, Deduct	-9.97	
		For >500 To 1,000, Deduct	-14.95	
		For >1,000, Deduct	-19.94	
		For 304 Stainless Steel, Add	168.26	
		For 316 Stainless Steel, Add	188.93	
		For Aluminum, Add	10.63	
		For Galvanized Steel, Add	36.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 12 23 00-0615	LF		MC18 x 45.8 - 18" Wide Channel	138.59	56.46
			For >100 To 250, Deduct	-7.23	
			For >250 To 500, Deduct	-10.69	
			For >500 To 1,000, Deduct	-16.04	
			For >1,000, Deduct	-21.39	
			For 304 Stainless Steel, Add	180.49	
			For 316 Stainless Steel, Add	202.66	
			For Aluminum, Add	11.40	
			For Galvanized Steel, Add	39.26	
05 12 23 00-0616	LF		MC18 x 51.9 - 18" Wide Channel	157.06	63.97
			For >100 To 250, Deduct	-8.19	
			For >250 To 500, Deduct	-12.12	
			For >500 To 1,000, Deduct	-18.18	
			For >1,000, Deduct	-24.24	
			For 304 Stainless Steel, Add	204.52	
			For 316 Stainless Steel, Add	229.63	
			For Aluminum, Add	12.92	
			For Galvanized Steel, Add	44.49	
05 12 23 00-0617	LF		MC18 x 58 - 18" Wide Channel	175.51	71.48
			For >100 To 250, Deduct	-9.15	
			For >250 To 500, Deduct	-13.54	
			For >500 To 1,000, Deduct	-20.31	
			For >1,000, Deduct	-27.08	
			For 304 Stainless Steel, Add	228.54	
			For 316 Stainless Steel, Add	256.61	
			For Aluminum, Add	14.43	
			For Galvanized Steel, Add	49.72	

05 12 23 00-0618 Structural Bar Tees (05 12 23 00-0422)

05 12 23 00-0619	LF		3/4" x 3/4" x 1/8" Structural Bar Tee	5.49	3.28
			For >100 To 250, Deduct	-0.36	
			For >250 To 500, Deduct	-0.49	
			For >500 To 1,000, Deduct	-0.74	
			For >1,000, Deduct	-0.99	
			For 304 Stainless Steel, Add	3.19	
			For 316 Stainless Steel, Add	3.58	
			For Aluminum, Add	0.20	
			For Galvanized Steel, Add	0.69	
05 12 23 00-0620	LF		1" x 1" x 1/8" Structural Bar Tee	6.69	3.87
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.59	
			For >500 To 1,000, Deduct	-0.89	
			For >1,000, Deduct	-1.19	
			For 304 Stainless Steel, Add	4.36	
			For 316 Stainless Steel, Add	4.90	
			For Aluminum, Add	0.28	
			For Galvanized Steel, Add	0.95	
05 12 23 00-0621	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.33	4.46
			For >100 To 250, Deduct	-0.56	
			For >250 To 500, Deduct	-0.81	
			For >500 To 1,000, Deduct	-1.22	
			For >1,000, Deduct	-1.63	
			For 304 Stainless Steel, Add	12.48	
			For 316 Stainless Steel, Add	14.02	
			For Aluminum, Add	0.79	
			For Galvanized Steel, Add	2.72	
05 12 23 00-0622	LF		2" x 2" x 1/4" Structural Bar Tee	14.31	5.84
			For >100 To 250, Deduct	-0.75	
			For >250 To 500, Deduct	-1.10	
			For >500 To 1,000, Deduct	-1.66	
			For >1,000, Deduct	-2.21	
			For 304 Stainless Steel, Add	18.61	
			For 316 Stainless Steel, Add	20.90	
			For Aluminum, Add	1.18	
			For Galvanized Steel, Add	4.05	
05 12 23 00-0623	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	21.13	7.04
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.53	
			For >500 To 1,000, Deduct	-2.29	
			For >1,000, Deduct	-3.05	
			For 304 Stainless Steel, Add	33.43	
			For 316 Stainless Steel, Add	37.54	
			For Aluminum, Add	2.11	
			For Galvanized Steel, Add	7.27	
05 12 23 00-0624	LF		3" x 3" x 3/8" Structural Bar Tee	26.09	9.02
			For >100 To 250, Deduct	-1.25	
			For >250 To 500, Deduct	-1.91	
			For >500 To 1,000, Deduct	-2.86	
			For >1,000, Deduct	-3.81	
			For 304 Stainless Steel, Add	40.10	
			For 316 Stainless Steel, Add	45.02	
			For Aluminum, Add	2.53	
			For Galvanized Steel, Add	8.72	

05 12 23 00-0625 Structural Zees (05 12 23 00-0422)

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0626	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee.....	12.49	4.46
		For >100 To 250, Deduct	-0.61	
		For >250 To 500, Deduct	-0.92	
		For >500 To 1,000, Deduct	-1.38	
		For >1,000, Deduct	-1.84	
		For 304 Stainless Steel, Add	18.64	
		For 316 Stainless Steel, Add	20.93	
		For Aluminum, Add	1.18	
		For Galvanized Steel, Add	4.05	
05 12 23 00-0627	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	22.74	5.33
		For >100 To 250, Deduct	-0.92	
		For >250 To 500, Deduct	-1.49	
		For >500 To 1,000, Deduct	-2.24	
		For >1,000, Deduct	-2.98	
		For 304 Stainless Steel, Add	44.57	
		For 316 Stainless Steel, Add	50.05	
		For Aluminum, Add	2.82	
		For Galvanized Steel, Add	9.70	
05 12 23 00-0628	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	27.16	6.01
		For >100 To 250, Deduct	-1.08	
		For >250 To 500, Deduct	-1.76	
		For >500 To 1,000, Deduct	-2.64	
		For >1,000, Deduct	-3.52	
		For 304 Stainless Steel, Add	54.55	
		For 316 Stainless Steel, Add	61.25	
		For Aluminum, Add	3.45	
		For Galvanized Steel, Add	11.87	
05 12 23 00-0629	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	36.24	6.87
		For >100 To 250, Deduct	-1.36	
		For >250 To 500, Deduct	-2.27	
		For >500 To 1,000, Deduct	-3.41	
		For >1,000, Deduct	-4.54	
		For 304 Stainless Steel, Add	77.18	
		For 316 Stainless Steel, Add	86.66	
		For Aluminum, Add	4.87	
		For Galvanized Steel, Add	16.79	
05 12 23 00-0630	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	46.62	7.47
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.83	
		For >500 To 1,000, Deduct	-4.24	
		For >1,000, Deduct	-5.66	
		For 304 Stainless Steel, Add	104.45	
		For 316 Stainless Steel, Add	117.28	
		For Aluminum, Add	6.60	
		For Galvanized Steel, Add	22.72	

05 12 23 00-0631 Junior I-Beams (05 12 23 00-0422)

05 12 23 00-0632	LF	3" Junior I-Beam, 2.9 Lb./LF	17.21	6.45
		For >100 To 250, Deduct	-0.86	
		For >250 To 500, Deduct	-1.29	
		For >500 To 1,000, Deduct	-1.94	
		For >1,000, Deduct	-2.58	
		For 304 Stainless Steel, Add	24.57	
		For 316 Stainless Steel, Add	27.58	
		For Aluminum, Add	1.55	
		For Galvanized Steel, Add	5.34	
05 12 23 00-0633	LF	4" Junior I-Beam, 3.2 Lb./LF	18.91	7.04
		For >100 To 250, Deduct	-0.94	
		For >250 To 500, Deduct	-1.42	
		For >500 To 1,000, Deduct	-2.12	
		For >1,000, Deduct	-2.83	
		For 304 Stainless Steel, Add	27.10	
		For 316 Stainless Steel, Add	30.43	
		For Aluminum, Add	1.71	
		For Galvanized Steel, Add	5.90	
05 12 23 00-0634	LF	5" Junior I-Beam, 3.8 Lb./LF	21.59	7.73
		For >100 To 250, Deduct	-1.05	
		For >250 To 500, Deduct	-1.59	
		For >500 To 1,000, Deduct	-2.39	
		For >1,000, Deduct	-3.19	
		For 304 Stainless Steel, Add	32.18	
		For 316 Stainless Steel, Add	36.13	
		For Aluminum, Add	2.03	
		For Galvanized Steel, Add	7.00	
05 12 23 00-0635	LF	6" Junior I-Beam, 4.4 Lb./LF	24.30	8.42
		For >100 To 250, Deduct	-1.17	
		For >250 To 500, Deduct	-1.78	
		For >500 To 1,000, Deduct	-2.66	
		For >1,000, Deduct	-3.55	
		For 304 Stainless Steel, Add	37.25	
		For 316 Stainless Steel, Add	41.82	
		For Aluminum, Add	2.35	
		For Galvanized Steel, Add	8.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0636	LF	7" Junior I-Beam, 5.5 Lb./LF	.....	28.36	9.01
		For >100 To 250, Deduct	.....	-1.31	
		For >250 To 500, Deduct	.....	-2.02	
		For >500 To 1,000, Deduct	.....	-3.03	
		For >1,000, Deduct	.....	-4.04	
		For 304 Stainless Steel, Add	.....	46.57	
		For 316 Stainless Steel, Add	.....	52.29	
		For Aluminum, Add	.....	2.94	
		For Galvanized Steel, Add	.....	10.13	
05 12 23 00-0637	LF	8" Junior I-Beam, 6.5 Lb./LF	.....	32.14	9.62
		For >100 To 250, Deduct	.....	-1.45	
		For >250 To 500, Deduct	.....	-2.25	
		For >500 To 1,000, Deduct	.....	-3.37	
		For >1,000, Deduct	.....	-4.50	
		For 304 Stainless Steel, Add	.....	55.03	
		For 316 Stainless Steel, Add	.....	61.79	
		For Aluminum, Add	.....	3.48	
		For Galvanized Steel, Add	.....	11.97	
05 12 23 00-0638	LF	10" Junior I-Beam, 9 Lb./LF	.....	41.40	11.00
		For >100 To 250, Deduct	.....	-1.77	
		For >250 To 500, Deduct	.....	-2.80	
		For >500 To 1,000, Deduct	.....	-4.20	
		For >1,000, Deduct	.....	-5.61	
		For 304 Stainless Steel, Add	.....	76.21	
		For 316 Stainless Steel, Add	.....	85.57	
		For Aluminum, Add	.....	4.81	
		For Galvanized Steel, Add	.....	16.58	
05 12 23 00-0639	LF	12" Junior I-Beam, 11.8 Lb./LF	.....	52.47	13.06
		For >100 To 250, Deduct	.....	-2.18	
		For >250 To 500, Deduct	.....	-3.49	
		For >500 To 1,000, Deduct	.....	-5.24	
		For >1,000, Deduct	.....	-6.99	
		For 304 Stainless Steel, Add	.....	99.92	
		For 316 Stainless Steel, Add	.....	112.19	
		For Aluminum, Add	.....	6.31	
		For Galvanized Steel, Add	.....	21.74	
05 12 23 00-0640 Round Stock (05 12 23 00-0422)					
05 12 23 00-0641	LF	1/4" Carbon Steel Rounds, ASTM A108	.....	2.48	
		For 304 Stainless Steel, Add	.....	3.79	
		For 316 Stainless Steel, Add	.....	4.26	
		For Aluminum, Add	.....	0.24	
		For Galvanized Steel, Add	.....	0.82	
05 12 23 00-0642	LF	3/8" Carbon Steel Rounds, ASTM A108	.....	3.91	
		For 304 Stainless Steel, Add	.....	7.44	
		For 316 Stainless Steel, Add	.....	8.35	
		For Aluminum, Add	.....	0.47	
		For Galvanized Steel, Add	.....	1.62	
05 12 23 00-0643	LF	1/2" Carbon Steel Rounds, ASTM A108	.....	5.41	
		For 304 Stainless Steel, Add	.....	11.34	
		For 316 Stainless Steel, Add	.....	12.74	
		For Aluminum, Add	.....	0.72	
		For Galvanized Steel, Add	.....	2.47	
05 12 23 00-0644	LF	5/8" Carbon Steel Rounds, ASTM A108	.....	8.22	
		For 304 Stainless Steel, Add	.....	18.90	
		For 316 Stainless Steel, Add	.....	21.22	
		For Aluminum, Add	.....	1.19	
		For Galvanized Steel, Add	.....	4.11	
05 12 23 00-0645	LF	3/4" Carbon Steel Rounds, ASTM A108	.....	9.79	
		For 304 Stainless Steel, Add	.....	22.46	
		For 316 Stainless Steel, Add	.....	25.22	
		For Aluminum, Add	.....	1.42	
		For Galvanized Steel, Add	.....	4.89	
05 12 23 00-0646	LF	7/8" Carbon Steel Rounds, ASTM A108	.....	11.41	
		For 304 Stainless Steel, Add	.....	26.22	
		For 316 Stainless Steel, Add	.....	29.44	
		For Aluminum, Add	.....	1.66	
		For Galvanized Steel, Add	.....	5.70	
05 12 23 00-0647	LF	1" Carbon Steel Rounds, ASTM A108	.....	16.62	
		For 304 Stainless Steel, Add	.....	39.96	
		For 316 Stainless Steel, Add	.....	44.86	
		For Aluminum, Add	.....	2.52	
		For Galvanized Steel, Add	.....	8.69	
05 12 23 00-0648	LF	1-1/8" Carbon Steel Rounds, ASTM A108	.....	20.22	
		For 304 Stainless Steel, Add	.....	48.56	
		For 316 Stainless Steel, Add	.....	54.53	
		For Aluminum, Add	.....	3.07	
		For Galvanized Steel, Add	.....	10.56	
05 12 23 00-0649	LF	1-1/4" Carbon Steel Rounds, ASTM A108	.....	24.14	
		For 304 Stainless Steel, Add	.....	57.14	
		For 316 Stainless Steel, Add	.....	64.16	
		For Aluminum, Add	.....	3.61	
		For Galvanized Steel, Add	.....	12.43	
05 12 23 00-0650	LF	1-3/8" Carbon Steel Rounds, ASTM A108	.....	29.24	
		For 304 Stainless Steel, Add	.....	69.74	
		For 316 Stainless Steel, Add	.....	78.30	
		For Aluminum, Add	.....	4.40	
		For Galvanized Steel, Add	.....	15.17	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0651	LF	1-1/2" Carbon Steel Rounds, ASTM A108	32.57	
		For 304 Stainless Steel, Add	76.49	
		For 316 Stainless Steel, Add	85.89	
		For Aluminum, Add	4.83	
		For Galvanized Steel, Add	16.64	
05 12 23 00-0652	LF	1-5/8" Carbon Steel Rounds, ASTM A108	37.58	
		For 304 Stainless Steel, Add	86.70	
		For 316 Stainless Steel, Add	97.34	
		For Aluminum, Add	5.48	
		For Galvanized Steel, Add	18.86	
05 12 23 00-0653	LF	1-3/4" Carbon Steel Rounds, ASTM A108	44.95	
		For 304 Stainless Steel, Add	100.89	
		For 316 Stainless Steel, Add	113.28	
		For Aluminum, Add	6.37	
		For Galvanized Steel, Add	21.95	
05 12 23 00-0654	LF	1-7/8" Carbon Steel Rounds, ASTM A108	54.07	
		For 304 Stainless Steel, Add	118.19	
		For 316 Stainless Steel, Add	132.70	
		For Aluminum, Add	7.46	
		For Galvanized Steel, Add	25.71	
05 12 23 00-0655	LF	2" Carbon Steel Rounds, ASTM A108	61.70	
		For 304 Stainless Steel, Add	131.47	
		For 316 Stainless Steel, Add	147.62	
		For Aluminum, Add	8.30	
		For Galvanized Steel, Add	28.60	
05 12 23 00-0656	LF	2-1/8" Carbon Steel Rounds, ASTM A108	72.03	
		For 304 Stainless Steel, Add	150.14	
		For 316 Stainless Steel, Add	168.58	
		For Aluminum, Add	9.48	
		For Galvanized Steel, Add	32.66	
05 12 23 00-0657	LF	2-1/4" Carbon Steel Rounds, ASTM A108	81.48	
		For 304 Stainless Steel, Add	168.81	
		For 316 Stainless Steel, Add	189.54	
		For Aluminum, Add	10.66	
		For Galvanized Steel, Add	36.72	
05 12 23 00-0658	LF	2-3/8" Carbon Steel Rounds, ASTM A108	93.33	
		For 304 Stainless Steel, Add	193.09	
		For 316 Stainless Steel, Add	216.80	
		For Aluminum, Add	12.20	
		For Galvanized Steel, Add	42.01	
05 12 23 00-0659	LF	2-1/2" Carbon Steel Rounds, ASTM A108	103.05	
		For 304 Stainless Steel, Add	208.08	
		For 316 Stainless Steel, Add	233.63	
		For Aluminum, Add	13.14	
		For Galvanized Steel, Add	45.27	
05 12 23 00-0660	LF	2-5/8" Carbon Steel Rounds, ASTM A108	126.12	
		For 304 Stainless Steel, Add	264.31	
		For 316 Stainless Steel, Add	296.77	
		For Aluminum, Add	16.69	
		For Galvanized Steel, Add	57.50	
05 12 23 00-0661	LF	2-3/4" Carbon Steel Rounds, ASTM A108	143.59	
		For 304 Stainless Steel, Add	301.42	
		For 316 Stainless Steel, Add	338.43	
		For Aluminum, Add	19.04	
		For Galvanized Steel, Add	65.57	
05 12 23 00-0662	LF	2-7/8" Carbon Steel Rounds, ASTM A108	160.14	
		For 304 Stainless Steel, Add	335.90	
		For 316 Stainless Steel, Add	377.15	
		For Aluminum, Add	21.21	
		For Galvanized Steel, Add	73.07	
05 12 23 00-0663	LF	3" Carbon Steel Rounds, ASTM A108	168.13	
		For 304 Stainless Steel, Add	345.99	
		For 316 Stainless Steel, Add	388.48	
		For Aluminum, Add	21.85	
		For Galvanized Steel, Add	75.27	
05 12 23 00-0664	LF	3-1/8" Carbon Steel Rounds, ASTM A108	175.28	
		For 304 Stainless Steel, Add	353.66	
		For 316 Stainless Steel, Add	397.09	
		For Aluminum, Add	22.34	
		For Galvanized Steel, Add	76.94	
05 12 23 00-0665	LF	3-1/4" Carbon Steel Rounds, ASTM A108	184.78	
		For 304 Stainless Steel, Add	368.08	
		For 316 Stainless Steel, Add	413.28	
		For Aluminum, Add	23.25	
		For Galvanized Steel, Add	80.07	
05 12 23 00-0666	LF	3-1/2" Carbon Steel Rounds, ASTM A108	225.07	
		For 304 Stainless Steel, Add	467.03	
		For 316 Stainless Steel, Add	524.38	
		For Aluminum, Add	29.50	
		For Galvanized Steel, Add	101.60	
05 12 23 00-0667	LF	3-5/8" Carbon Steel Rounds, ASTM A108	250.08	
		For 304 Stainless Steel, Add	522.46	
		For 316 Stainless Steel, Add	586.62	
		For Aluminum, Add	33.00	
		For Galvanized Steel, Add	113.66	
05 12 23 00-0668	LF	3-3/4" Carbon Steel Rounds, ASTM A108	268.43	
		For 304 Stainless Steel, Add	558.89	
		For 316 Stainless Steel, Add	627.52	
		For Aluminum, Add	35.30	
		For Galvanized Steel, Add	121.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0669	LF		4" Carbon Steel Rounds, ASTM A108	301.15	
			For 304 Stainless Steel, Add	636.29	
			For 316 Stainless Steel, Add	714.43	
			For Aluminum, Add	40.19	
			For Galvanized Steel, Add	138.42	
05 12 23 00-0670 Square Stock (05 12 23 00-0422)					
05 12 23 00-0671	LF		3/8" Square Bar Stock	1.96	
			For 304 Stainless Steel, Add	1.88	
			For 316 Stainless Steel, Add	2.11	
			For Aluminum, Add	0.12	
			For Galvanized Steel, Add	0.41	
05 12 23 00-0672	LF		1/2" Square Bar Stock	2.60	
			For 304 Stainless Steel, Add	3.33	
			For 316 Stainless Steel, Add	3.74	
			For Aluminum, Add	0.21	
			For Galvanized Steel, Add	0.73	
05 12 23 00-0673	LF		5/8" Square Bar Stock	3.42	
			For 304 Stainless Steel, Add	5.22	
			For 316 Stainless Steel, Add	5.86	
			For Aluminum, Add	0.33	
			For Galvanized Steel, Add	1.13	
05 12 23 00-0674	LF		3/4" Square Bar Stock	4.54	
			For 304 Stainless Steel, Add	7.50	
			For 316 Stainless Steel, Add	8.42	
			For Aluminum, Add	0.47	
			For Galvanized Steel, Add	1.63	
05 12 23 00-0675	LF		7/8" Square Bar Stock	5.88	
			For 304 Stainless Steel, Add	10.46	
			For 316 Stainless Steel, Add	11.74	
			For Aluminum, Add	0.66	
			For Galvanized Steel, Add	2.28	
05 12 23 00-0676	LF		1" Square Bar Stock	7.29	
			For 304 Stainless Steel, Add	13.37	
			For 316 Stainless Steel, Add	15.01	
			For Aluminum, Add	0.84	
			For Galvanized Steel, Add	2.91	
05 12 23 00-0677	LF		1-1/4" Square Bar Stock	11.41	
			For 304 Stainless Steel, Add	20.86	
			For 316 Stainless Steel, Add	23.42	
			For Aluminum, Add	1.32	
			For Galvanized Steel, Add	4.54	
05 12 23 00-0678	LF		1-1/2" Square Bar Stock	16.28	
			For 304 Stainless Steel, Add	30.07	
			For 316 Stainless Steel, Add	33.76	
			For Aluminum, Add	1.90	
			For Galvanized Steel, Add	6.54	
05 12 23 00-0679	LF		1-3/4" Square Bar Stock	24.21	
			For 304 Stainless Steel, Add	41.78	
			For 316 Stainless Steel, Add	46.91	
			For Aluminum, Add	2.64	
			For Galvanized Steel, Add	9.09	
05 12 23 00-0680	LF		2" Square Bar Stock	34.79	
			For 304 Stainless Steel, Add	53.47	
			For 316 Stainless Steel, Add	60.03	
			For Aluminum, Add	3.38	
			For Galvanized Steel, Add	11.63	
05 12 23 00-0681 Steel Tubing (05 12 23 00-0422)					
Note: General purpose low-carbon steel.					
05 12 23 00-0682 Square Steel Tubing (05 12 23 00-0681)					
05 12 23 00-0683 0.06" Wall Thickness (05 12 23 00-0682)					
05 12 23 00-0684	LF		1/2" x 1/2" x 0.06" Square Steel Tubing	2.55	0.61
			For >100 To 250, Deduct	-0.11	
			For >250 To 500, Deduct	-0.17	
			For >500 To 1,000, Deduct	-0.25	
			For >1,000, Deduct	-0.34	
			For 304 Stainless Steel, Add	4.90	
			For 316 Stainless Steel, Add	5.50	
			For Aluminum, Add	0.31	
			For Galvanized Steel, Add	1.07	
05 12 23 00-0685	LF		3/4" x 3/4" x 0.06" Square Steel Tubing	3.92	0.97
			For >100 To 250, Deduct	-0.16	
			For >250 To 500, Deduct	-0.26	
			For >500 To 1,000, Deduct	-0.39	
			For >1,000, Deduct	-0.52	
			For 304 Stainless Steel, Add	7.50	
			For 316 Stainless Steel, Add	8.42	
			For Aluminum, Add	0.47	
			For Galvanized Steel, Add	1.63	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0686	LF 1" x 1" x 0.06" Square Steel Tubing.....	5.27		1.76
	For >100 To 250, Deduct	-0.22		
	For >250 To 500, Deduct	-0.35		
	For >500 To 1,000, Deduct	-0.53		
	For >1,000, Deduct	-0.70		
	For 304 Stainless Steel, Add	10.00		
	For 316 Stainless Steel, Add	11.23		
	For Aluminum, Add	0.63		
	For Galvanized Steel, Add	2.18		
05 12 23 00-0687	LF 1-1/4" x 1-1/4" x 0.06" Square Steel Tubing.....	6.96		1.67
	For >100 To 250, Deduct	-0.29		
	For >250 To 500, Deduct	-0.46		
	For >500 To 1,000, Deduct	-0.69		
	For >1,000, Deduct	-0.92		
	For 304 Stainless Steel, Add	13.48		
	For 316 Stainless Steel, Add	15.14		
	For Aluminum, Add	0.85		
	For Galvanized Steel, Add	2.93		
05 12 23 00-0688	LF 1-1/2" x 1-1/2" x 0.06" Square Steel Tubing.....	8.25		2.02
	For >100 To 250, Deduct	-0.34		
	For >250 To 500, Deduct	-0.55		
	For >500 To 1,000, Deduct	-0.82		
	For >1,000, Deduct	-1.10		
	For 304 Stainless Steel, Add	15.82		
	For 316 Stainless Steel, Add	17.76		
	For Aluminum, Add	1.00		
	For Galvanized Steel, Add	3.44		
05 12 23 00-0689 0.083" Wall Thickness (05 12 23 00-0682)				
05 12 23 00-0690	LF 3/4" x 3/4" x 0.083" Square Steel Tubing.....	4.56		1.14
	For >100 To 250, Deduct	-0.19		
	For >250 To 500, Deduct	-0.30		
	For >500 To 1,000, Deduct	-0.46		
	For >1,000, Deduct	-0.61		
	For 304 Stainless Steel, Add	8.69		
	For 316 Stainless Steel, Add	9.76		
	For Aluminum, Add	0.55		
	For Galvanized Steel, Add	1.89		
05 12 23 00-0691	LF 1" x 1" x 0.083" Square Steel Tubing.....	6.63		1.56
	For >100 To 250, Deduct	-0.27		
	For >250 To 500, Deduct	-0.44		
	For >500 To 1,000, Deduct	-0.65		
	For >1,000, Deduct	-0.87		
	For 304 Stainless Steel, Add	13.00		
	For 316 Stainless Steel, Add	14.59		
	For Aluminum, Add	0.82		
	For Galvanized Steel, Add	2.83		
05 12 23 00-0692	LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing.....	8.02		1.98
	For >100 To 250, Deduct	-0.33		
	For >250 To 500, Deduct	-0.53		
	For >500 To 1,000, Deduct	-0.80		
	For >1,000, Deduct	-1.07		
	For 304 Stainless Steel, Add	15.33		
	For 316 Stainless Steel, Add	17.22		
	For Aluminum, Add	0.97		
	For Galvanized Steel, Add	3.34		
05 12 23 00-0693	LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing.....	9.70		2.41
	For >100 To 250, Deduct	-0.40		
	For >250 To 500, Deduct	-0.65		
	For >500 To 1,000, Deduct	-0.97		
	For >1,000, Deduct	-1.29		
	For 304 Stainless Steel, Add	18.50		
	For 316 Stainless Steel, Add	20.77		
	For Aluminum, Add	1.17		
	For Galvanized Steel, Add	4.02		
05 12 23 00-0694	LF 2" x 2" x 0.083" Square Steel Tubing.....	12.45		3.21
	For >100 To 250, Deduct	-0.53		
	For >250 To 500, Deduct	-0.84		
	For >500 To 1,000, Deduct	-1.25		
	For >1,000, Deduct	-1.67		
	For 304 Stainless Steel, Add	23.28		
	For 316 Stainless Steel, Add	26.14		
	For Aluminum, Add	1.47		
	For Galvanized Steel, Add	5.07		
05 12 23 00-0695 0.12" Wall Thickness (05 12 23 00-0682)				
05 12 23 00-0696	LF 1" x 1" x 0.12" Square Steel Tubing.....	7.33		1.85
	For >100 To 250, Deduct	-0.31		
	For >250 To 500, Deduct	-0.49		
	For >500 To 1,000, Deduct	-0.74		
	For >1,000, Deduct	-0.98		
	For 304 Stainless Steel, Add	13.85		
	For 316 Stainless Steel, Add	15.55		
	For Aluminum, Add	0.87		
	For Galvanized Steel, Add	3.01		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0697	LF		1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	9.44	2.38
			For >100 To 250, Deduct	-0.39	
			For >250 To 500, Deduct	-0.63	
			For >500 To 1,000, Deduct	-0.95	
			For >1,000, Deduct	-1.26	
			For 304 Stainless Steel, Add	17.87	
			For 316 Stainless Steel, Add	20.06	
			For Aluminum, Add	1.13	
			For Galvanized Steel, Add	3.89	
05 12 23 00-0698	LF		1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	11.59	2.90
			For >100 To 250, Deduct	-0.48	
			For >250 To 500, Deduct	-0.77	
			For >500 To 1,000, Deduct	-1.16	
			For >1,000, Deduct	-1.55	
			For 304 Stainless Steel, Add	21.97	
			For 316 Stainless Steel, Add	24.67	
			For Aluminum, Add	1.39	
			For Galvanized Steel, Add	4.78	
05 12 23 00-0699	LF		2" x 2" x 0.12" Square Steel Tubing	15.69	3.96
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-1.05	
			For >500 To 1,000, Deduct	-1.57	
			For >1,000, Deduct	-2.10	
			For 304 Stainless Steel, Add	29.67	
			For 316 Stainless Steel, Add	33.31	
			For Aluminum, Add	1.87	
			For Galvanized Steel, Add	6.45	
05 12 23 00-0700 1/8" Wall Thickness (05 12 23 00-0682)					
05 12 23 00-0701	LF		2" x 2" x 1/8" Square Steel Tubing	14.15	4.11
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-0.98	
			For >500 To 1,000, Deduct	-1.47	
			For >1,000, Deduct	-1.96	
			For 304 Stainless Steel, Add	24.71	
			For 316 Stainless Steel, Add	27.74	
			For Aluminum, Add	1.56	
			For Galvanized Steel, Add	5.38	
05 12 23 00-0702	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	18.65	5.21
			For >100 To 250, Deduct	-0.81	
			For >250 To 500, Deduct	-1.28	
			For >500 To 1,000, Deduct	-1.92	
			For >1,000, Deduct	-2.56	
			For 304 Stainless Steel, Add	33.37	
			For 316 Stainless Steel, Add	37.47	
			For Aluminum, Add	2.11	
			For Galvanized Steel, Add	7.26	
05 12 23 00-0703	LF		3" x 3" x 1/8" Square Steel Tubing	21.88	6.30
			For >100 To 250, Deduct	-0.97	
			For >250 To 500, Deduct	-1.51	
			For >500 To 1,000, Deduct	-2.27	
			For >1,000, Deduct	-3.03	
			For 304 Stainless Steel, Add	38.39	
			For 316 Stainless Steel, Add	43.10	
			For Aluminum, Add	2.42	
			For Galvanized Steel, Add	8.35	
05 12 23 00-0704	LF		3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	25.36	7.40
			For >100 To 250, Deduct	-1.13	
			For >250 To 500, Deduct	-1.76	
			For >500 To 1,000, Deduct	-2.64	
			For >1,000, Deduct	-3.52	
			For 304 Stainless Steel, Add	44.15	
			For 316 Stainless Steel, Add	49.57	
			For Aluminum, Add	2.79	
			For Galvanized Steel, Add	9.60	
05 12 23 00-0705	LF		4" x 4" x 1/8" Square Steel Tubing	27.96	8.50
			For >100 To 250, Deduct	-1.27	
			For >250 To 500, Deduct	-1.96	
			For >500 To 1,000, Deduct	-2.95	
			For >1,000, Deduct	-3.93	
			For 304 Stainless Steel, Add	47.40	
			For 316 Stainless Steel, Add	53.22	
			For Aluminum, Add	2.99	
			For Galvanized Steel, Add	10.31	
05 12 23 00-0706 3/16" Wall Thickness (05 12 23 00-0682)					
05 12 23 00-0707	LF		2" x 2" x 3/16" Square Steel Tubing	16.05	4.64
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-1.11	
			For >500 To 1,000, Deduct	-1.67	
			For >1,000, Deduct	-2.22	
			For 304 Stainless Steel, Add	28.13	
			For 316 Stainless Steel, Add	31.58	
			For Aluminum, Add	1.78	
			For Galvanized Steel, Add	6.12	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0708	LF 2-1/2" x 2-1/2" x 3/16" Square Steel Tubing.....	20.78		6.00
	For >100 To 250, Deduct	-0.92		
	For >250 To 500, Deduct	-1.44		
	For >500 To 1,000, Deduct	-2.16		
	For >1,000, Deduct	-2.88		
	For 304 Stainless Steel, Add	36.39		
	For 316 Stainless Steel, Add	40.86		
	For Aluminum, Add	2.30		
	For Galvanized Steel, Add	7.92		
05 12 23 00-0709	LF 3" x 3" x 3/16" Square Steel Tubing.....	25.53		7.38
	For >100 To 250, Deduct	-1.13		
	For >250 To 500, Deduct	-1.77		
	For >500 To 1,000, Deduct	-2.65		
	For >1,000, Deduct	-3.54		
	For 304 Stainless Steel, Add	44.72		
	For 316 Stainless Steel, Add	50.21		
	For Aluminum, Add	2.82		
	For Galvanized Steel, Add	9.73		
05 12 23 00-0710	LF 3-1/2" x 3-1/2" x 3/16" Square Steel Tubing.....	30.29		8.75
	For >100 To 250, Deduct	-1.34		
	For >250 To 500, Deduct	-2.10		
	For >500 To 1,000, Deduct	-3.15		
	For >1,000, Deduct	-4.20		
	For 304 Stainless Steel, Add	53.07		
	For 316 Stainless Steel, Add	59.58		
	For Aluminum, Add	3.35		
	For Galvanized Steel, Add	11.54		
05 12 23 00-0711	LF 4" x 4" x 3/16" Square Steel Tubing.....	35.00		10.11
	For >100 To 250, Deduct	-1.55		
	For >250 To 500, Deduct	-2.42		
	For >500 To 1,000, Deduct	-3.64		
	For >1,000, Deduct	-4.85		
	For 304 Stainless Steel, Add	61.33		
	For 316 Stainless Steel, Add	68.86		
	For Aluminum, Add	3.87		
	For Galvanized Steel, Add	13.34		
05 12 23 00-0712	LF 4-1/2" x 4-1/2" x 3/16" Square Steel Tubing.....	39.76		11.49
	For >100 To 250, Deduct	-1.76		
	For >250 To 500, Deduct	-2.75		
	For >500 To 1,000, Deduct	-4.13		
	For >1,000, Deduct	-5.51		
	For 304 Stainless Steel, Add	69.65		
	For 316 Stainless Steel, Add	78.21		
	For Aluminum, Add	4.40		
	For Galvanized Steel, Add	15.15		
05 12 23 00-0713	LF 5" x 5" x 3/16" Square Steel Tubing.....	44.49		12.85
	For >100 To 250, Deduct	-1.97		
	For >250 To 500, Deduct	-3.08		
	For >500 To 1,000, Deduct	-4.62		
	For >1,000, Deduct	-6.16		
	For 304 Stainless Steel, Add	77.95		
	For 316 Stainless Steel, Add	87.52		
	For Aluminum, Add	4.92		
	For Galvanized Steel, Add	16.96		
05 12 23 00-0714	LF 6" x 6" x 3/16" Square Steel Tubing.....	54.00		15.60
	For >100 To 250, Deduct	-2.39		
	For >250 To 500, Deduct	-3.74		
	For >500 To 1,000, Deduct	-5.61		
	For >1,000, Deduct	-7.48		
	For 304 Stainless Steel, Add	94.59		
	For 316 Stainless Steel, Add	106.21		
	For Aluminum, Add	5.97		
	For Galvanized Steel, Add	20.58		
05 12 23 00-0715	1/4" Wall Thickness (05 12 23 00-0682)			
05 12 23 00-0716	LF 2" x 2" x 1/4" Square Steel Tubing.....	17.10		4.64
	For >100 To 250, Deduct	-0.74		
	For >250 To 500, Deduct	-1.16		
	For >500 To 1,000, Deduct	-1.75		
	For >1,000, Deduct	-2.33		
	For 304 Stainless Steel, Add	31.09		
	For 316 Stainless Steel, Add	34.91		
	For Aluminum, Add	1.96		
	For Galvanized Steel, Add	6.76		
05 12 23 00-0717	LF 2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	22.49		6.10
	For >100 To 250, Deduct	-0.97		
	For >250 To 500, Deduct	-1.53		
	For >500 To 1,000, Deduct	-2.30		
	For >1,000, Deduct	-3.06		
	For 304 Stainless Steel, Add	40.87		
	For 316 Stainless Steel, Add	45.89		
	For Aluminum, Add	2.58		
	For Galvanized Steel, Add	8.89		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0718	LF	3" x 3" x 1/4"	Square Steel Tubing.....	27.85	7.56
			For >100 To 250, Deduct	-1.20	
			For >250 To 500, Deduct	-1.90	
			For >500 To 1,000, Deduct	-2.85	
			For >1,000, Deduct	-3.79	
			For 304 Stainless Steel, Add	50.62	
			For 316 Stainless Steel, Add	56.83	
			For Aluminum, Add	3.20	
			For Galvanized Steel, Add	11.01	
05 12 23 00-0719	LF	3-1/2" x 3-1/2" x 1/4"	Square Steel Tubing	33.22	9.02
			For >100 To 250, Deduct	-1.43	
			For >250 To 500, Deduct	-2.26	
			For >500 To 1,000, Deduct	-3.39	
			For >1,000, Deduct	-4.53	
			For 304 Stainless Steel, Add	60.39	
			For 316 Stainless Steel, Add	67.81	
			For Aluminum, Add	3.81	
			For Galvanized Steel, Add	13.14	
05 12 23 00-0720	LF	4" x 4" x 1/4"	Square Steel Tubing.....	38.61	10.49
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.63	
			For >500 To 1,000, Deduct	-3.95	
			For >1,000, Deduct	-5.26	
			For 304 Stainless Steel, Add	70.17	
			For 316 Stainless Steel, Add	78.78	
			For Aluminum, Add	4.43	
			For Galvanized Steel, Add	15.26	
05 12 23 00-0721	LF	4-1/2" x 4-1/2" x 1/4"	Square Steel Tubing	43.98	11.95
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-3.00	
			For >500 To 1,000, Deduct	-4.49	
			For >1,000, Deduct	-5.99	
			For 304 Stainless Steel, Add	79.94	
			For 316 Stainless Steel, Add	89.76	
			For Aluminum, Add	5.05	
			For Galvanized Steel, Add	17.39	
05 12 23 00-0722	LF	5" x 5" x 1/4"	Square Steel Tubing.....	49.38	13.41
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-3.36	
			For >500 To 1,000, Deduct	-5.05	
			For >1,000, Deduct	-6.73	
			For 304 Stainless Steel, Add	89.75	
			For 316 Stainless Steel, Add	100.77	
			For Aluminum, Add	5.67	
			For Galvanized Steel, Add	19.52	
05 12 23 00-0723	LF	6" x 6" x 1/4"	Square Steel Tubing.....	60.13	16.33
			For >100 To 250, Deduct	-2.59	
			For >250 To 500, Deduct	-4.10	
			For >500 To 1,000, Deduct	-6.14	
			For >1,000, Deduct	-8.19	
			For 304 Stainless Steel, Add	109.30	
			For 316 Stainless Steel, Add	122.72	
			For Aluminum, Add	6.90	
			For Galvanized Steel, Add	23.78	
05 12 23 00-0724			Rectangular Steel Tubing (05 12 23 00-0681)		
05 12 23 00-0725			3/16" Wall Thickness (05 12 23 00-0724)		
05 12 23 00-0726	LF	3" x 2" x 3/16"	Square Steel Tubing.....	20.78	6.00
			For >100 To 250, Deduct	-0.92	
			For >250 To 500, Deduct	-1.44	
			For >500 To 1,000, Deduct	-2.16	
			For >1,000, Deduct	-2.88	
			For 304 Stainless Steel, Add	36.39	
			For 316 Stainless Steel, Add	40.86	
			For Aluminum, Add	2.30	
			For Galvanized Steel, Add	7.92	
05 12 23 00-0727	LF	4" x 2" x 3/16"	Square Steel Tubing.....	25.53	7.38
			For >100 To 250, Deduct	-1.13	
			For >250 To 500, Deduct	-1.77	
			For >500 To 1,000, Deduct	-2.65	
			For >1,000, Deduct	-3.54	
			For 304 Stainless Steel, Add	44.72	
			For 316 Stainless Steel, Add	50.21	
			For Aluminum, Add	2.82	
			For Galvanized Steel, Add	9.73	
05 12 23 00-0728	LF	4" x 3" x 3/16"	Square Steel Tubing.....	30.29	8.75
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-2.10	
			For >500 To 1,000, Deduct	-3.15	
			For >1,000, Deduct	-4.20	
			For 304 Stainless Steel, Add	53.07	
			For 316 Stainless Steel, Add	59.58	
			For Aluminum, Add	3.35	
			For Galvanized Steel, Add	11.54	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0729	LF	5" x 2" x 3/16" Square Steel Tubing.....	30.29	8.75
		For >100 To 250, Deduct	-1.34	
		For >250 To 500, Deduct	-2.10	
		For >500 To 1,000, Deduct	-3.15	
		For >1,000, Deduct	-4.20	
		For 304 Stainless Steel, Add	53.07	
		For 316 Stainless Steel, Add	59.58	
		For Aluminum, Add	3.35	
		For Galvanized Steel, Add	11.54	
05 12 23 00-0730	LF	5" x 3" x 3/16" Square Steel Tubing.....	35.00	10.11
		For >100 To 250, Deduct	-1.55	
		For >250 To 500, Deduct	-2.42	
		For >500 To 1,000, Deduct	-3.64	
		For >1,000, Deduct	-4.85	
		For 304 Stainless Steel, Add	61.33	
		For 316 Stainless Steel, Add	68.86	
		For Aluminum, Add	3.87	
		For Galvanized Steel, Add	13.34	
05 12 23 00-0731	LF	5" x 4" x 3/16" Square Steel Tubing.....	39.76	11.49
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.75	
		For >500 To 1,000, Deduct	-4.13	
		For >1,000, Deduct	-5.51	
		For 304 Stainless Steel, Add	69.65	
		For 316 Stainless Steel, Add	78.21	
		For Aluminum, Add	4.40	
		For Galvanized Steel, Add	15.15	
05 12 23 00-0732	LF	6" x 2" x 3/16" Square Steel Tubing.....	35.00	10.11
		For >100 To 250, Deduct	-1.55	
		For >250 To 500, Deduct	-2.42	
		For >500 To 1,000, Deduct	-3.64	
		For >1,000, Deduct	-4.85	
		For 304 Stainless Steel, Add	61.33	
		For 316 Stainless Steel, Add	68.86	
		For Aluminum, Add	3.87	
		For Galvanized Steel, Add	13.34	
05 12 23 00-0733	LF	6" x 3" x 3/16" Square Steel Tubing.....	39.76	11.49
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.75	
		For >500 To 1,000, Deduct	-4.13	
		For >1,000, Deduct	-5.51	
		For 304 Stainless Steel, Add	69.65	
		For 316 Stainless Steel, Add	78.21	
		For Aluminum, Add	4.40	
		For Galvanized Steel, Add	15.15	
05 12 23 00-0734	LF	6" x 4" x 3/16" Square Steel Tubing.....	44.49	12.85
		For >100 To 250, Deduct	-1.97	
		For >250 To 500, Deduct	-3.08	
		For >500 To 1,000, Deduct	-4.62	
		For >1,000, Deduct	-6.16	
		For 304 Stainless Steel, Add	77.95	
		For 316 Stainless Steel, Add	87.52	
		For Aluminum, Add	4.92	
		For Galvanized Steel, Add	16.96	
05 12 23 00-0735		1/4" Wall Thickness (05 12 23 00-0724)		
05 12 23 00-0736	LF	3" x 2" x 1/4" Square Steel Tubing.....	22.49	6.10
		For >100 To 250, Deduct	-0.97	
		For >250 To 500, Deduct	-1.53	
		For >500 To 1,000, Deduct	-2.30	
		For >1,000, Deduct	-3.06	
		For 304 Stainless Steel, Add	40.87	
		For 316 Stainless Steel, Add	45.89	
		For Aluminum, Add	2.58	
		For Galvanized Steel, Add	8.89	
05 12 23 00-0737	LF	4" x 2" x 1/4" Square Steel Tubing.....	27.85	7.56
		For >100 To 250, Deduct	-1.20	
		For >250 To 500, Deduct	-1.90	
		For >500 To 1,000, Deduct	-2.85	
		For >1,000, Deduct	-3.79	
		For 304 Stainless Steel, Add	50.62	
		For 316 Stainless Steel, Add	56.83	
		For Aluminum, Add	3.20	
		For Galvanized Steel, Add	11.01	
05 12 23 00-0738	LF	4" x 3" x 1/4" Square Steel Tubing.....	33.22	9.02
		For >100 To 250, Deduct	-1.43	
		For >250 To 500, Deduct	-2.26	
		For >500 To 1,000, Deduct	-3.39	
		For >1,000, Deduct	-4.53	
		For 304 Stainless Steel, Add	60.39	
		For 316 Stainless Steel, Add	67.81	
		For Aluminum, Add	3.81	
		For Galvanized Steel, Add	13.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0739	LF		5" x 2" x 1/4" Square Steel Tubing.....	33.22	9.02
			For >100 To 250, Deduct	-1.43	
			For >250 To 500, Deduct	-2.26	
			For >500 To 1,000, Deduct	-3.39	
			For >1,000, Deduct	-4.53	
			For 304 Stainless Steel, Add	60.39	
			For 316 Stainless Steel, Add	67.81	
			For Aluminum, Add	3.81	
			For Galvanized Steel, Add	13.14	
05 12 23 00-0740	LF		5" x 3" x 1/4" Square Steel Tubing.....	38.61	10.49
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.63	
			For >500 To 1,000, Deduct	-3.95	
			For >1,000, Deduct	-5.26	
			For 304 Stainless Steel, Add	70.17	
			For 316 Stainless Steel, Add	78.78	
			For Aluminum, Add	4.43	
			For Galvanized Steel, Add	15.26	
05 12 23 00-0741	LF		5" x 4" x 1/4" Square Steel Tubing.....	43.98	11.95
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-3.00	
			For >500 To 1,000, Deduct	-4.49	
			For >1,000, Deduct	-5.99	
			For 304 Stainless Steel, Add	79.94	
			For 316 Stainless Steel, Add	89.76	
			For Aluminum, Add	5.05	
			For Galvanized Steel, Add	17.39	
05 12 23 00-0742	LF		6" x 2" x 1/4" Square Steel Tubing.....	38.61	10.49
			For >100 To 250, Deduct	-1.66	
			For >250 To 500, Deduct	-2.63	
			For >500 To 1,000, Deduct	-3.95	
			For >1,000, Deduct	-5.26	
			For 304 Stainless Steel, Add	70.17	
			For 316 Stainless Steel, Add	78.78	
			For Aluminum, Add	4.43	
			For Galvanized Steel, Add	15.26	
05 12 23 00-0743	LF		6" x 3" x 1/4" Square Steel Tubing.....	43.98	11.95
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-3.00	
			For >500 To 1,000, Deduct	-4.49	
			For >1,000, Deduct	-5.99	
			For 304 Stainless Steel, Add	79.94	
			For 316 Stainless Steel, Add	89.76	
			For Aluminum, Add	5.05	
			For Galvanized Steel, Add	17.39	
05 12 23 00-0744	LF		6" x 4" x 1/4" Square Steel Tubing.....	49.38	13.41
			For >100 To 250, Deduct	-2.13	
			For >250 To 500, Deduct	-3.36	
			For >500 To 1,000, Deduct	-5.05	
			For >1,000, Deduct	-6.73	
			For 304 Stainless Steel, Add	89.75	
			For 316 Stainless Steel, Add	100.77	
			For Aluminum, Add	5.67	
			For Galvanized Steel, Add	19.52	
05 12 23 00-0745			Round Steel Tubing (05 12 23 00-0681)		
05 12 23 00-0746			0.065" Wall Thickness (05 12 23 00-0745)		
05 12 23 00-0747	LF		1" Diameter x 0.065" Round Steel Tubing	4.56	1.12
			For >100 To 250, Deduct	-0.19	
			For >250 To 500, Deduct	-0.30	
			For >500 To 1,000, Deduct	-0.45	
			For >1,000, Deduct	-0.61	
			For 304 Stainless Steel, Add	8.75	
			For 316 Stainless Steel, Add	9.82	
			For Aluminum, Add	0.55	
			For Galvanized Steel, Add	1.90	
05 12 23 00-0748	LF		1-1/4" Diameter x 0.065" Round Steel Tubing	5.77	1.41
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.38	
			For >500 To 1,000, Deduct	-0.57	
			For >1,000, Deduct	-0.77	
			For 304 Stainless Steel, Add	11.09	
			For 316 Stainless Steel, Add	12.45	
			For Aluminum, Add	0.70	
			For Galvanized Steel, Add	2.41	
05 12 23 00-0749	LF		1-1/2" Diameter x 0.065" Round Steel Tubing	6.99	1.71
			For >100 To 250, Deduct	-0.29	
			For >250 To 500, Deduct	-0.46	
			For >500 To 1,000, Deduct	-0.70	
			For >1,000, Deduct	-0.93	
			For 304 Stainless Steel, Add	13.40	
			For 316 Stainless Steel, Add	15.04	
			For Aluminum, Add	0.85	
			For Galvanized Steel, Add	2.91	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0750	LF 2" Diameter x 0.065" Round Steel Tubing	9.41		2.31
	For >100 To 250, Deduct	-0.39		
	For >250 To 500, Deduct	-0.62		
	For >500 To 1,000, Deduct	-0.94		
	For >1,000, Deduct	-1.25		
	For 304 Stainless Steel, Add	18.07		
	For 316 Stainless Steel, Add	20.29		
	For Aluminum, Add	1.14		
	For Galvanized Steel, Add	3.93		
05 12 23 00-0751	LF 2-1/2" Diameter x 0.065" Round Steel Tubing	11.85		2.90
	For >100 To 250, Deduct	-0.49		
	For >250 To 500, Deduct	-0.79		
	For >500 To 1,000, Deduct	-1.18		
	For >1,000, Deduct	-1.57		
	For 304 Stainless Steel, Add	22.74		
	For 316 Stainless Steel, Add	25.54		
	For Aluminum, Add	1.44		
	For Galvanized Steel, Add	4.95		
05 12 23 00-0752	LF 3" Diameter x 0.065" Round Steel Tubing	14.28		3.50
	For >100 To 250, Deduct	-0.59		
	For >250 To 500, Deduct	-0.95		
	For >500 To 1,000, Deduct	-1.42		
	For >1,000, Deduct	-1.89		
	For 304 Stainless Steel, Add	27.42		
	For 316 Stainless Steel, Add	30.78		
	For Aluminum, Add	1.73		
	For Galvanized Steel, Add	5.96		
05 12 23 00-0753	LF 3-1/2" Diameter x 0.065" Round Steel Tubing	16.72		4.10
	For >100 To 250, Deduct	-0.69		
	For >250 To 500, Deduct	-1.11		
	For >500 To 1,000, Deduct	-1.66		
	For >1,000, Deduct	-2.22		
	For 304 Stainless Steel, Add	32.09		
	For 316 Stainless Steel, Add	36.03		
	For Aluminum, Add	2.03		
	For Galvanized Steel, Add	6.98		
05 12 23 00-0754	LF 4" Diameter x 0.065" Round Steel Tubing	19.15		4.69
	For >100 To 250, Deduct	-0.79		
	For >250 To 500, Deduct	-1.27		
	For >500 To 1,000, Deduct	-1.91		
	For >1,000, Deduct	-2.54		
	For 304 Stainless Steel, Add	36.77		
	For 316 Stainless Steel, Add	41.28		
	For Aluminum, Add	2.32		
	For Galvanized Steel, Add	8.00		
05 12 23 00-0755	0.083" Wall Thickness (05 12 23 00-0745)			
05 12 23 00-0756	LF 1" Diameter x 0.083" Round Steel Tubing	4.95		1.22
	For >100 To 250, Deduct	-0.21		
	For >250 To 500, Deduct	-0.33		
	For >500 To 1,000, Deduct	-0.49		
	For >1,000, Deduct	-0.66		
	For 304 Stainless Steel, Add	9.46		
	For 316 Stainless Steel, Add	10.62		
	For Aluminum, Add	0.60		
	For Galvanized Steel, Add	2.06		
05 12 23 00-0757	LF 1-1/4" Diameter x 0.083" Round Steel Tubing	6.29		1.55
	For >100 To 250, Deduct	-0.26		
	For >250 To 500, Deduct	-0.42		
	For >500 To 1,000, Deduct	-0.63		
	For >1,000, Deduct	-0.84		
	For 304 Stainless Steel, Add	12.03		
	For 316 Stainless Steel, Add	13.50		
	For Aluminum, Add	0.76		
	For Galvanized Steel, Add	2.62		
05 12 23 00-0758	LF 1-1/2" Diameter x 0.083" Round Steel Tubing	7.64		1.88
	For >100 To 250, Deduct	-0.32		
	For >250 To 500, Deduct	-0.51		
	For >500 To 1,000, Deduct	-0.76		
	For >1,000, Deduct	-1.02		
	For 304 Stainless Steel, Add	14.59		
	For 316 Stainless Steel, Add	16.38		
	For Aluminum, Add	0.92		
	For Galvanized Steel, Add	3.17		
05 12 23 00-0759	LF 2" Diameter x 0.083" Round Steel Tubing	10.33		2.56
	For >100 To 250, Deduct	-0.43		
	For >250 To 500, Deduct	-0.69		
	For >500 To 1,000, Deduct	-1.03		
	For >1,000, Deduct	-1.37		
	For 304 Stainless Steel, Add	19.75		
	For 316 Stainless Steel, Add	22.18		
	For Aluminum, Add	1.25		
	For Galvanized Steel, Add	4.30		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0760	LF		2-1/2" Diameter x 0.083" Round Steel Tubing	13.04	3.22
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-0.87	
			For >500 To 1,000, Deduct	-1.30	
			For >1,000, Deduct	-1.73	
			For 304 Stainless Steel, Add	24.91	
			For 316 Stainless Steel, Add	27.97	
			For Aluminum, Add	1.57	
			For Galvanized Steel, Add	5.42	
05 12 23 00-0761	LF		3" Diameter x 0.083" Round Steel Tubing	15.74	3.89
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-1.05	
			For >500 To 1,000, Deduct	-1.57	
			For >1,000, Deduct	-2.09	
			For 304 Stainless Steel, Add	30.07	
			For 316 Stainless Steel, Add	33.76	
			For Aluminum, Add	1.90	
			For Galvanized Steel, Add	6.54	
05 12 23 00-0762	LF		3-1/2" Diameter x 0.083" Round Steel Tubing	18.43	4.55
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.23	
			For >500 To 1,000, Deduct	-1.84	
			For >1,000, Deduct	-2.45	
			For 304 Stainless Steel, Add	35.23	
			For 316 Stainless Steel, Add	39.55	
			For Aluminum, Add	2.22	
			For Galvanized Steel, Add	7.66	
05 12 23 00-0763	LF		4" Diameter x 0.083" Round Steel Tubing	21.12	5.22
			For >100 To 250, Deduct	-0.88	
			For >250 To 500, Deduct	-1.40	
			For >500 To 1,000, Deduct	-2.11	
			For >1,000, Deduct	-2.81	
			For 304 Stainless Steel, Add	40.36	
			For 316 Stainless Steel, Add	45.31	
			For Aluminum, Add	2.55	
			For Galvanized Steel, Add	8.78	
05 12 23 00-0764			0.125" Wall Thickness (05 12 23 00-0745)		
05 12 23 00-0765	LF		2" Diameter x 0.125" Round Steel Tubing	11.10	3.22
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.77	
			For >500 To 1,000, Deduct	-1.16	
			For >1,000, Deduct	-1.54	
			For 304 Stainless Steel, Add	19.38	
			For 316 Stainless Steel, Add	21.76	
			For Aluminum, Add	1.22	
			For Galvanized Steel, Add	4.22	
05 12 23 00-0766	LF		2-1/2" Diameter x 0.125" Round Steel Tubing	14.07	4.09
			For >100 To 250, Deduct	-0.62	
			For >250 To 500, Deduct	-0.98	
			For >500 To 1,000, Deduct	-1.46	
			For >1,000, Deduct	-1.95	
			For 304 Stainless Steel, Add	24.57	
			For 316 Stainless Steel, Add	27.58	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.34	
05 12 23 00-0767	LF		3" Diameter x 0.125" Round Steel Tubing	17.03	4.94
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.18	
			For >500 To 1,000, Deduct	-1.77	
			For >1,000, Deduct	-2.36	
			For 304 Stainless Steel, Add	29.73	
			For 316 Stainless Steel, Add	33.38	
			For Aluminum, Add	1.88	
			For Galvanized Steel, Add	6.47	
05 12 23 00-0768	LF		3-1/2" Diameter x 0.125" Round Steel Tubing	19.99	5.81
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.39	
			For >500 To 1,000, Deduct	-2.08	
			For >1,000, Deduct	-2.77	
			For 304 Stainless Steel, Add	34.91	
			For 316 Stainless Steel, Add	39.20	
			For Aluminum, Add	2.21	
			For Galvanized Steel, Add	7.60	
05 12 23 00-0769	LF		4" Diameter x 0.125" Round Steel Tubing	22.95	6.67
			For >100 To 250, Deduct	-1.02	
			For >250 To 500, Deduct	-1.59	
			For >500 To 1,000, Deduct	-2.39	
			For >1,000, Deduct	-3.18	
			For 304 Stainless Steel, Add	40.07	
			For 316 Stainless Steel, Add	44.99	
			For Aluminum, Add	2.53	
			For Galvanized Steel, Add	8.72	
05 12 23 00-0770			Flat Steel Bar (05 12 23 00-0422)		
05 12 23 00-0771			1/8" Thick (05 12 23 00-0770)		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0772	LF	1/8" Thick x 1" Wide Flat Steel Bar	3.43	1.60
		For 304 Stainless Steel, Add	2.91	
		For 316 Stainless Steel, Add	3.26	
		For Aluminum, Add	0.18	
		For Galvanized Steel, Add	0.63	
05 12 23 00-0773	LF	1/8" Thick x 2" Wide Flat Steel Bar	5.31	2.41
		For 304 Stainless Steel, Add	4.85	
		For 316 Stainless Steel, Add	5.44	
		For Aluminum, Add	0.31	
		For Galvanized Steel, Add	1.05	
05 12 23 00-0774	LF	1/8" Thick x 4" Wide Flat Steel Bar	8.18	3.39
		For 304 Stainless Steel, Add	8.81	
		For 316 Stainless Steel, Add	9.89	
		For Aluminum, Add	0.56	
		For Galvanized Steel, Add	1.92	
05 12 23 00-0775	LF	1/8" Thick x 6" Wide Flat Steel Bar	11.08	4.60
		For 304 Stainless Steel, Add	11.88	
		For 316 Stainless Steel, Add	13.34	
		For Aluminum, Add	0.75	
		For Galvanized Steel, Add	2.59	

05 12 23 00-0776 3/16" Thick (05 12 23 00-0770)

05 12 23 00-0777	LF	3/16" Thick x 1" Wide Flat Steel Bar	4.54	1.99
		For 304 Stainless Steel, Add	4.42	
		For 316 Stainless Steel, Add	4.96	
		For Aluminum, Add	0.28	
		For Galvanized Steel, Add	0.96	
05 12 23 00-0778	LF	3/16" Thick x 2" Wide Flat Steel Bar	7.17	2.99
		For 304 Stainless Steel, Add	7.64	
		For 316 Stainless Steel, Add	8.58	
		For Aluminum, Add	0.48	
		For Galvanized Steel, Add	1.66	
05 12 23 00-0779	LF	3/16" Thick x 4" Wide Flat Steel Bar	9.68	3.43
		For 304 Stainless Steel, Add	12.88	
		For 316 Stainless Steel, Add	14.46	
		For Aluminum, Add	0.81	
		For Galvanized Steel, Add	2.80	
05 12 23 00-0780	LF	3/16" Thick x 6" Wide Flat Steel Bar	13.40	4.76
		For 304 Stainless Steel, Add	17.81	
		For 316 Stainless Steel, Add	20.00	
		For Aluminum, Add	1.13	
		For Galvanized Steel, Add	3.88	

05 12 23 00-0781 1/4" Thick (05 12 23 00-0770)

05 12 23 00-0782	LF	1/4" Thick x 1" Wide Flat Steel Bar	4.69	2.10
		For 304 Stainless Steel, Add	4.36	
		For 316 Stainless Steel, Add	4.90	
		For Aluminum, Add	0.28	
		For Galvanized Steel, Add	0.95	
05 12 23 00-0783	LF	1/4" Thick x 2" Wide Flat Steel Bar	7.84	3.16
		For 304 Stainless Steel, Add	8.84	
		For 316 Stainless Steel, Add	9.92	
		For Aluminum, Add	0.56	
		For Galvanized Steel, Add	1.92	
05 12 23 00-0784	LF	1/4" Thick x 4" Wide Flat Steel Bar	11.43	3.61
		For 304 Stainless Steel, Add	17.13	
		For 316 Stainless Steel, Add	19.23	
		For Aluminum, Add	1.08	
		For Galvanized Steel, Add	3.73	
05 12 23 00-0785	LF	1/4" Thick x 6" Wide Flat Steel Bar	16.53	5.34
		For 304 Stainless Steel, Add	24.25	
		For 316 Stainless Steel, Add	27.23	
		For Aluminum, Add	1.53	
		For Galvanized Steel, Add	5.28	

05 12 23 00-0786 3/8" Thick (05 12 23 00-0770)

05 12 23 00-0787	LF	3/8" Thick x 1" Wide Flat Steel Bar	5.97	2.37
		For 304 Stainless Steel, Add	6.87	
		For 316 Stainless Steel, Add	7.71	
		For Aluminum, Add	0.43	
		For Galvanized Steel, Add	1.49	
05 12 23 00-0788	LF	3/8" Thick x 2" Wide Flat Steel Bar	9.78	3.55
		For 304 Stainless Steel, Add	12.65	
		For 316 Stainless Steel, Add	14.21	
		For Aluminum, Add	0.80	
		For Galvanized Steel, Add	2.75	
05 12 23 00-0789	LF	3/8" Thick x 4" Wide Flat Steel Bar	14.98	4.06
		For 304 Stainless Steel, Add	25.34	
		For 316 Stainless Steel, Add	28.45	
		For Aluminum, Add	1.60	
		For Galvanized Steel, Add	5.51	
05 12 23 00-0790	LF	3/8" Thick x 6" Wide Flat Steel Bar	21.52	6.00
		For 304 Stainless Steel, Add	35.63	
		For 316 Stainless Steel, Add	40.00	
		For Aluminum, Add	2.25	
		For Galvanized Steel, Add	7.75	

05 12 23 00-0791 1/2" Thick (05 12 23 00-0770)					
05 12 23 00-0792	LF		1/2" Thick x 1" Wide Flat Steel Bar	7.01	2.60
			For 304 Stainless Steel, Add	8.81	
			For 316 Stainless Steel, Add	9.89	
			For Aluminum, Add	0.56	
			For Galvanized Steel, Add	1.92	
05 12 23 00-0793	LF		1/2" Thick x 2" Wide Flat Steel Bar	11.54	3.92
			For 304 Stainless Steel, Add	16.16	
			For 316 Stainless Steel, Add	18.14	
			For Aluminum, Add	1.02	
			For Galvanized Steel, Add	3.52	
05 12 23 00-0794	LF		1/2" Thick x 4" Wide Flat Steel Bar	16.36	4.45
			For 304 Stainless Steel, Add	27.53	
			For 316 Stainless Steel, Add	30.91	
			For Aluminum, Add	1.74	
			For Galvanized Steel, Add	5.99	
05 12 23 00-0795	LF		1/2" Thick x 6" Wide Flat Steel Bar	29.19	6.61
			For 304 Stainless Steel, Add	54.92	
			For 316 Stainless Steel, Add	61.66	
			For Aluminum, Add	3.47	
			For Galvanized Steel, Add	11.95	
05 12 23 00-0796 Flat Steel Plate (05 12 23 00-0422)					
05 12 23 00-0797	SF		1/8" Thick Flat Steel Plate	17.63	6.91
			For 304 Stainless Steel, Add	20.72	
			For 316 Stainless Steel, Add	23.26	
			For Aluminum, Add	1.31	
			For Galvanized Steel, Add	4.51	
05 12 23 00-0798	SF		3/16" Thick Flat Steel Plate	19.84	7.15
			For 304 Stainless Steel, Add	25.94	
			For 316 Stainless Steel, Add	29.12	
			For Aluminum, Add	1.64	
			For Galvanized Steel, Add	5.64	
05 12 23 00-0799	SF		1/4" Thick Flat Steel Plate	23.62	8.01
			For 304 Stainless Steel, Add	33.06	
			For 316 Stainless Steel, Add	37.12	
			For Aluminum, Add	2.09	
			For Galvanized Steel, Add	7.19	
05 12 23 00-0800	SF		3/8" Thick Flat Steel Plate	31.73	9.01
			For 304 Stainless Steel, Add	51.90	
			For 316 Stainless Steel, Add	58.27	
			For Aluminum, Add	3.28	
			For Galvanized Steel, Add	11.29	
05 12 23 00-0801	SF		1/2" Thick Flat Steel Plate	37.55	9.91
			For 304 Stainless Steel, Add	64.64	
			For 316 Stainless Steel, Add	72.58	
			For Aluminum, Add	4.08	
			For Galvanized Steel, Add	14.06	
05 12 23 00-0802	SF		3/4" Thick Flat Steel Plate	61.14	12.28
			For 304 Stainless Steel, Add	121.24	
			For 316 Stainless Steel, Add	136.13	
			For Aluminum, Add	7.66	
			For Galvanized Steel, Add	26.37	
05 12 23 00-0803	SF		1" Thick Flat Steel Plate	81.48	15.35
			For 304 Stainless Steel, Add	165.98	
			For 316 Stainless Steel, Add	186.37	
			For Aluminum, Add	10.48	
			For Galvanized Steel, Add	36.11	

05 14 Structural Aluminum Framing (05 10)

05 14 13 Architecturally-Exposed Structural Aluminum Framing (05 14)

05 14 13 00-0001 Rolled Or Plate Shapes (05 14 13)					
Note: 1" through 10" member.					
05 14 13 00-0002	LB		Structural Aluminum, Up To 2,000 Lb. / Order 1" To 10" Rolled / Plate Structural Members	9.32	0.93
05 14 13 00-0003	LB		Structural Aluminum, >2,000 - 9,999 Lb. / Order 1" To 10" Rolled / Plate Structural Members	8.22	0.86
05 14 13 00-0004 Aluminum Extrusions (05 14 13)					
05 14 13 00-0005	LB		Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	15.32	3.85
05 14 13 00-0006	LB		Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	16.21	3.85
05 14 13 00-0007 Aluminum Tubing (05 14 13)					
05 14 13 00-0008	LB		Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	13.67	2.36
05 14 13 00-0009	LF		1" x 1" Aluminum Tubing, 1/8" Wall Thickness	12.37	3.82
05 14 13 00-0010	LF		1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	14.93	4.17
05 14 13 00-0011	LF		1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	17.15	4.85
05 14 13 00-0012	LF		2" x 2" Aluminum Tubing, 1/8" Wall Thickness	20.36	5.22
05 14 13 00-0013	LF		4" x 4" Aluminum Tubing, 1/4" Wall Thickness	58.92	6.61
05 14 13 00-0014	LF		2" x 5" Aluminum Tubing, 1/4" Wall Thickness	48.28	5.91

05 Metals**05 10 Structural Metal Framing****05 14 Structural Aluminum Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 14 13 00-0015	Columns (05 14 13)			
	Note: Baked on paint finish, load bearing.			
05 14 13 00-0016	Round Columns (05 14 13 00-0015)			
05 14 13 00-0017	LF 6" Diameter Aluminum Column.....	54.33	7.46	
05 14 13 00-0018	LF 8" Diameter Aluminum Column.....	72.25	10.68	
05 14 13 00-0019	LF 10" Diameter Aluminum Column.....	88.23	12.02	
05 14 13 00-0020	LF 12" Diameter Aluminum Column.....	132.83	12.57	
05 14 13 00-0021	LF 15" Diameter Aluminum Column.....	169.63	14.58	
05 14 13 00-0022	EA 6" Diameter Aluminum Base And Cap.....	105.61	13.91	
05 14 13 00-0023	EA 8" Diameter Aluminum Base And Cap.....	120.95	15.02	
05 14 13 00-0024	EA 10" Diameter Aluminum Base And Cap.....	152.87	16.69	
05 14 13 00-0025	EA 12" Diameter Aluminum Base And Cap.....	265.21	17.81	
05 14 13 00-0026	EA 15" Diameter Aluminum Base And Cap.....	406.80	19.47	
05 14 13 00-0027	Octagonal Columns (05 14 13 00-0015)			
05 14 13 00-0028	LF 6" Diameter Aluminum Column.....	60.61	7.46	
05 14 13 00-0029	LF 8" Diameter Aluminum Column.....	82.42	10.68	
05 14 13 00-0030	LF 10" Diameter Aluminum Column.....	101.07	12.02	
05 14 13 00-0031	LF 12" Diameter Aluminum Column.....	154.38	12.57	
05 14 13 00-0032	LF 15" Diameter Aluminum Column.....	197.74	14.58	
05 14 13 00-0033	EA 6" Diameter Aluminum Base And Cap.....	121.16	13.91	
05 14 13 00-0034	EA 8" Diameter Aluminum Base And Cap.....	139.13	15.02	
05 14 13 00-0035	EA 10" Diameter Aluminum Base And Cap.....	176.77	16.69	
05 14 13 00-0036	EA 12" Diameter Aluminum Base And Cap.....	311.13	17.81	
05 14 13 00-0037	EA 15" Diameter Aluminum Base And Cap.....	480.37	19.47	
05 14 13 00-0038	Fluted Columns (05 14 13 00-0015)			
05 14 13 00-0039	LF 6" Diameter Aluminum Column.....	67.48	7.46	
05 14 13 00-0040	LF 8" Diameter Aluminum Column.....	91.57	10.68	
05 14 13 00-0041	LF 10" Diameter Aluminum Column.....	112.62	12.02	
05 14 13 00-0042	LF 12" Diameter Aluminum Column.....	173.78	12.57	
05 14 13 00-0043	LF 15" Diameter Aluminum Column.....	223.05	14.58	
05 14 13 00-0044	EA 6" Diameter Aluminum Base And Cap.....	135.17	13.91	
05 14 13 00-0045	EA 8" Diameter Aluminum Base And Cap.....	155.49	15.02	
05 14 13 00-0046	EA 10" Diameter Aluminum Base And Cap.....	198.28	16.69	
05 14 13 00-0047	EA 12" Diameter Aluminum Base And Cap.....	352.46	17.81	
05 14 13 00-0048	EA 15" Diameter Aluminum Base And Cap.....	546.58	19.47	
05 14 13 00-0049	Square Columns (05 14 13 00-0015)			
05 14 13 00-0050	LF 6" Aluminum Column.....	72.18	7.46	
05 14 13 00-0051	LF 8" Aluminum Column.....	97.83	10.68	
05 14 13 00-0052	LF 10" Aluminum Column.....	120.53	12.02	
05 14 13 00-0053	LF 12" Aluminum Column.....	187.05	12.57	
05 14 13 00-0054	LF 15" Aluminum Column.....	240.35	14.58	
05 14 13 00-0055	EA 6" Aluminum Base And Cap.....	144.74	13.91	
05 14 13 00-0056	EA 8" Aluminum Base And Cap.....	166.68	15.02	
05 14 13 00-0057	EA 10" Aluminum Base And Cap.....	212.99	16.69	
05 14 13 00-0058	EA 12" Aluminum Base And Cap.....	380.73	17.81	
05 14 13 00-0059	EA 15" Aluminum Base And Cap.....	591.86	19.47	
05 14 13 00-0060	Ornamental Or Decorative Cap And Bases (05 14 13 00-0015)			
05 14 13 00-0061	EA 8" Corinthian Capital And Base.....	825.31	16.69	
05 14 13 00-0062	EA 10" Corinthian Capital And Base.....	1,214.99	19.47	
05 14 13 00-0063	EA 12" Corinthian Capital And Base.....	1,922.80	22.25	
05 14 13 00-0064	EA 8" Scamozzi Capital And Base.....	409.04	16.69	
05 14 13 00-0065	EA 10" Scamozzi Capital And Base.....	548.29	19.47	
05 14 13 00-0066	EA 12" Scamozzi Capital And Base.....	1,104.47	22.25	

05 15 Wire Rope Assemblies (05 10)**05 15 16 Steel Wire Rope Assemblies (05 15)**

05 15 16 00-0001	6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)			
05 15 16 00-0002	LF 1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.52	0.11	
	For >500, Deduct.....	-0.27		
05 15 16 00-0003	LF 5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.05	0.11	
	For >500, Deduct.....	-0.35		
05 15 16 00-0004	LF 3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.44	0.23	
	For >500, Deduct.....	-0.40		
05 15 16 00-0005	LF 7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.96	0.23	
	For >500, Deduct.....	-0.47		
05 15 16 00-0006	LF 1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.44	0.34	
	For >500, Deduct.....	-0.53		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 15 16 00-0007	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.22	0.45
			For >500, Deduct.....	-0.64	
05 15 16 00-0008	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.03	0.45
			For >500, Deduct.....	-0.76	
05 15 16 00-0009	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.99	0.81
			For >500, Deduct.....	-1.04	
05 15 16 00-0010	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	9.41	0.92
			For >500, Deduct.....	-1.39	
05 15 16 00-0011	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	11.73	1.26
			For >500, Deduct.....	-1.70	
05 15 16 00-0012	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	14.51	1.60
			For >500, Deduct.....	-2.10	
05 15 16 00-0013	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	17.69	1.94
			For >500, Deduct.....	-2.56	

05 15 16 00-0014 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)

05 15 16 00-0015	LF		1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.78	0.11
			For >500, Deduct.....	-0.32	
05 15 16 00-0016	LF		5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.32	0.11
			For >500, Deduct.....	-0.40	
05 15 16 00-0017	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.88	0.23
			For >500, Deduct.....	-0.49	
05 15 16 00-0018	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.29	0.23
			For >500, Deduct.....	-0.54	
05 15 16 00-0019	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.93	0.34
			For >500, Deduct.....	-0.63	
05 15 16 00-0020	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.53	0.45
			For >500, Deduct.....	-0.70	
05 15 16 00-0021	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.30	0.45
			For >500, Deduct.....	-0.81	
05 15 16 00-0022	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.78	0.81
			For >500, Deduct.....	-1.19	
05 15 16 00-0023	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	9.98	0.92
			For >500, Deduct.....	-1.51	
05 15 16 00-0024	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	12.30	1.26
			For >500, Deduct.....	-1.82	
05 15 16 00-0025	LF		1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	15.76	1.60
			For >500, Deduct.....	-2.33	
05 15 16 00-0026	LF		1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	19.16	1.94
			For >500, Deduct.....	-2.85	

05 15 16 00-0027 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope (05 15 16)

05 15 16 00-0028	LF		1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.41	0.11
			For >500, Deduct.....	-0.24	
05 15 16 00-0029	LF		5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.93	0.11
			For >500, Deduct.....	-0.32	
05 15 16 00-0030	LF		3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.30	0.23
			For >500, Deduct.....	-0.37	
05 15 16 00-0031	LF		7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.72	0.23
			For >500, Deduct.....	-0.42	
05 15 16 00-0032	LF		1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.28	0.34
			For >500, Deduct.....	-0.50	
05 15 16 00-0033	LF		9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.15	0.45
			For >500, Deduct.....	-0.63	
05 15 16 00-0034	LF		5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.84	0.45
			For >500, Deduct.....	-0.72	
05 15 16 00-0035	LF		3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	6.82	0.81
			For >500, Deduct.....	-1.00	
05 15 16 00-0036	LF		7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	8.38	0.92
			For >500, Deduct.....	-1.19	
05 15 16 00-0037	LF		1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	10.65	1.26
			For >500, Deduct.....	-1.48	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 15 16 00-0038	6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)		
05 15 16 00-0039	LF 1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.40	0.11
	For >500, Deduct	-0.24	
05 15 16 00-0040	LF 5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.86	0.11
	For >500, Deduct	-0.31	
05 15 16 00-0041	LF 3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.30	0.23
	For >500, Deduct	-0.37	
05 15 16 00-0042	LF 7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.72	0.23
	For >500, Deduct	-0.42	
05 15 16 00-0043	LF 1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.42	0.34
	For >500, Deduct	-0.53	
05 15 16 00-0044	LF 9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.08	0.45
	For >500, Deduct	-0.61	
05 15 16 00-0045	LF 5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.10	0.45
	For >500, Deduct	-0.77	
05 15 16 00-0046	LF 3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.13	0.81
	For >500, Deduct	-1.06	
05 15 16 00-0047	LF 7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.34	0.92
	For >500, Deduct	-1.38	
05 15 16 00-0048	LF 1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	11.53	1.26
	For >500, Deduct	-1.67	
05 15 16 00-0049	6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope (05 15 16)		
05 15 16 00-0050	LF 3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.60	0.23
	For >500, Deduct	-0.43	
05 15 16 00-0051	LF 7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.07	0.23
	For >500, Deduct	-0.49	
05 15 16 00-0052	LF 1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.60	0.34
	For >500, Deduct	-0.56	
05 15 16 00-0053	LF 9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.83	0.45
	For >500, Deduct	-0.76	
05 15 16 00-0054	LF 5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.33	0.45
	For >500, Deduct	-0.82	
05 15 16 00-0055	LF 3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	7.29	0.81
	For >500, Deduct	-1.10	
05 15 16 00-0056	LF 7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	9.37	0.92
	For >500, Deduct	-1.38	
05 15 16 00-0057	LF 1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	12.35	1.26
	For >500, Deduct	-1.82	
05 15 16 00-0058	LF 1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	14.97	1.60
	For >500, Deduct	-2.19	
05 15 16 00-0059	LF 1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	18.07	1.94
	For >500, Deduct	-2.63	
05 15 16 00-0060	6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope (05 15 16)		
05 15 16 00-0061	LF 3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.67	0.23
	For >500, Deduct	-0.45	
05 15 16 00-0062	LF 7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.24	0.23
	For >500, Deduct	-0.53	
05 15 16 00-0063	LF 1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.84	0.34
	For >500, Deduct	-0.61	
05 15 16 00-0064	LF 9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.35	0.45
	For >500, Deduct	-0.87	
05 15 16 00-0065	LF 5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.42	0.45
	For >500, Deduct	-0.84	
05 15 16 00-0066	LF 3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	7.46	0.81
	For >500, Deduct	-1.13	
05 15 16 00-0067	LF 7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	9.90	0.92
	For >500, Deduct	-1.49	
05 15 16 00-0068	LF 1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	12.52	1.26
	For >500, Deduct	-1.86	

05 15 16 00-0069		19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope (05 15 16)		
05 15 16 00-0070	LF	1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	2.73	0.11
		For >500, Deduct	-0.50	
05 15 16 00-0071	LF	5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	2.95	0.11
		For >500, Deduct	-0.53	
05 15 16 00-0072	LF	3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.49	0.23
		For >500, Deduct	-0.61	
05 15 16 00-0073	LF	7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	4.69	0.23
		For >500, Deduct	-0.82	
05 15 16 00-0074	LF	1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.34	0.23
		For >500, Deduct	-0.95	
05 15 16 00-0075	LF	9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	6.19	0.45
		For >500, Deduct	-1.04	
05 15 16 00-0076	LF	5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	7.37	0.45
		For >500, Deduct	-1.23	
05 15 16 00-0077	LF	3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	10.16	0.68
		For >500, Deduct	-1.68	
05 15 16 00-0078		7x7, Galvanized Finish, Aircraft Cable (05 15 16)		
05 15 16 00-0079	LF	1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.32	0.08
		For >500, Deduct	-0.04	
05 15 16 00-0080	LF	3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.36	0.09
		For >500, Deduct	-0.04	
05 15 16 00-0081	LF	1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.41	0.10
		For >500, Deduct	-0.05	
05 15 16 00-0082	LF	5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.48	0.11
		For >500, Deduct	-0.06	
05 15 16 00-0083	LF	3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.58	0.11
		For >500, Deduct	-0.07	
05 15 16 00-0084		7x19, Galvanized Finish, Aircraft Cable (05 15 16)		
05 15 16 00-0085	LF	1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.57	0.10
		For >500, Deduct	-0.08	
05 15 16 00-0086	LF	5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.62	0.11
		For >500, Deduct	-0.09	
05 15 16 00-0087	LF	3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.70	0.11
		For >500, Deduct	-0.10	
05 15 16 00-0088	LF	1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.82	0.11
		For >500, Deduct	-0.13	
05 15 16 00-0089	LF	5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.25	0.11
		For >500, Deduct	-0.19	
05 15 16 00-0090	LF	3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.67	0.11
		For >500, Deduct	-0.25	
05 15 16 00-0091		Heavy-Duty, Galvanized Steel, Wire Rope Thimbles (05 15 16)		
05 15 16 00-0092	EA	1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	14.76	3.43
05 15 16 00-0093	EA	5/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	16.81	3.43
05 15 16 00-0094	EA	3/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	19.08	3.43
05 15 16 00-0095	EA	7/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	25.31	3.43
05 15 16 00-0096	EA	1/2" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	25.35	3.43
05 15 16 00-0097	EA	9/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	25.35	3.43
05 15 16 00-0098	EA	5/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	27.46	3.43
05 15 16 00-0099	EA	3/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	50.32	5.27
05 15 16 00-0100	EA	7/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	59.34	6.41
05 15 16 00-0101	EA	1" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	105.76	10.53
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	151.94	14.32
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	151.94	14.32
05 15 16 00-0104		Galvanized Steel, Wire Rope Clips (05 15 16)		
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip	17.84	3.43
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip	18.23	3.43
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip	20.94	3.43
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip	21.36	3.43
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip	21.97	3.43
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip	27.78	3.43
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip	28.22	3.43
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip	32.41	3.43
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip	33.01	3.43
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip	45.15	4.58
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip	67.43	6.87
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip	74.27	6.87
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	87.11	9.16
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	126.49	13.75

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 15 16 00-0119	Steel, Open Swage Sockets (05 15 16)		
05 15 16 00-0120	EA 1/4" Diameter, Steel, Open Swage Socket	101.65	3.43
05 15 16 00-0121	EA 5/16" Diameter, Steel, Open Swage Socket	162.54	3.43
05 15 16 00-0122	EA 3/8" Diameter, Steel, Open Swage Socket	167.07	4.58
05 15 16 00-0123	EA 7/16" Diameter, Steel, Open Swage Socket	198.40	5.73
05 15 16 00-0124	EA 1/2" Diameter, Steel, Open Swage Socket	198.40	5.73
05 15 16 00-0125	EA 9/16" Diameter, Steel, Open Swage Socket	288.93	12.60
05 15 16 00-0126	EA 5/8" Diameter, Steel, Open Swage Socket	288.93	12.60
05 15 16 00-0127	EA 3/4" Diameter, Steel, Open Swage Socket	366.86	24.05
05 15 16 00-0128	EA 7/8" Diameter, Steel, Open Swage Socket	493.30	34.36
05 15 16 00-0129	EA 1" Diameter, Steel, Open Swage Socket	692.94	52.69
05 15 16 00-0130	EA 1-1/8" Diameter, Steel, Open Swage Socket	905.65	82.47
05 15 16 00-0131	EA 1-1/4" Diameter, Steel, Open Swage Socket	1,054.38	95.07

05 15 16 00-0132	Steel, Closed Swage Sockets (05 15 16)		
05 15 16 00-0133	EA 1/4" Diameter, Steel, Closed Swage Socket	81.58	3.43
05 15 16 00-0134	EA 5/16" Diameter, Steel, Closed Swage Socket	110.77	3.43
05 15 16 00-0135	EA 3/8" Diameter, Steel, Closed Swage Socket	110.77	3.43
05 15 16 00-0136	EA 7/16" Diameter, Steel, Closed Swage Socket	137.92	4.58
05 15 16 00-0137	EA 1/2" Diameter, Steel, Closed Swage Socket	139.18	4.58
05 15 16 00-0138	EA 9/16" Diameter, Steel, Closed Swage Socket	190.27	8.02
05 15 16 00-0139	EA 5/8" Diameter, Steel, Closed Swage Socket	195.72	9.16
05 15 16 00-0140	EA 3/4" Diameter, Steel, Closed Swage Socket	241.24	14.89
05 15 16 00-0141	EA 7/8" Diameter, Steel, Closed Swage Socket	310.96	21.76
05 15 16 00-0142	EA 1" Diameter, Steel, Closed Swage Socket	444.83	29.78
05 15 16 00-0143	EA 1-1/8" Diameter, Steel, Closed Swage Socket	550.17	41.23
05 15 16 00-0144	EA 1-1/4" Diameter, Steel, Closed Swage Socket	743.15	64.14

05 15 16 00-0145	Galvanized Steel, Open Spelter Sockets (05 15 16)		
05 15 16 00-0146	EA 1/4" Galvanized Steel, Open Spelter Socket	170.84	3.43
05 15 16 00-0147	EA 5/16" Galvanized Steel, Open Spelter Socket	174.98	3.43
05 15 16 00-0148	EA 3/8" Galvanized Steel, Open Spelter Socket	174.98	3.43
05 15 16 00-0149	EA 7/16" Galvanized Steel, Open Spelter Socket	194.67	6.87
05 15 16 00-0150	EA 1/2" Galvanized Steel, Open Spelter Socket	194.67	6.87
05 15 16 00-0151	EA 9/16" Galvanized Steel, Open Spelter Socket	254.39	11.45
05 15 16 00-0152	EA 5/8" Galvanized Steel, Open Spelter Socket	254.39	11.45
05 15 16 00-0153	EA 3/4" Galvanized Steel, Open Spelter Socket	321.18	17.18
05 15 16 00-0154	EA 7/8" Galvanized Steel, Open Spelter Socket	479.61	28.63
05 15 16 00-0155	EA 1" Galvanized Steel, Open Spelter Socket	874.97	44.67
05 15 16 00-0156	EA 1-1/8" Galvanized Steel, Open Spelter Socket	1,021.76	72.16
05 15 16 00-0157	EA 1-1/4" Galvanized Steel, Open Spelter Socket	1,381.53	95.07

05 15 16 00-0158	Galvanized Steel, Closed Spelter Sockets (05 15 16)		
05 15 16 00-0159	EA 1/4" Galvanized Steel, Closed Spelter Socket	143.08	3.43
05 15 16 00-0160	EA 5/16" Galvanized Steel, Closed Spelter Socket	143.63	3.43
05 15 16 00-0161	EA 3/8" Galvanized Steel, Closed Spelter Socket	143.63	3.43
05 15 16 00-0162	EA 7/16" Galvanized Steel, Closed Spelter Socket	160.32	5.73
05 15 16 00-0163	EA 1/2" Galvanized Steel, Closed Spelter Socket	160.32	5.73
05 15 16 00-0164	EA 9/16" Galvanized Steel, Closed Spelter Socket	223.47	10.31
05 15 16 00-0165	EA 5/8" Galvanized Steel, Closed Spelter Socket	223.47	10.31
05 15 16 00-0166	EA 3/4" Galvanized Steel, Closed Spelter Socket	273.05	14.89
05 15 16 00-0167	EA 7/8" Galvanized Steel, Closed Spelter Socket	398.36	22.91
05 15 16 00-0168	EA 1" Galvanized Steel, Closed Spelter Socket	601.17	35.51
05 15 16 00-0169	EA 1-1/8" Galvanized Steel, Closed Spelter Socket	786.69	48.11
05 15 16 00-0170	EA 1-1/4" Galvanized Steel, Closed Spelter Socket	989.95	64.14

05 15 16 00-0171	Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)		
05 15 16 00-0172	EA 1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	98.08	3.43
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-12.99	
05 15 16 00-0173	EA 5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	105.28	3.43
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-14.07	
05 15 16 00-0174	EA 3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	118.63	3.43
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-16.08	
05 15 16 00-0175	EA 1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	130.75	4.58
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-16.73	
05 15 16 00-0176	EA 1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	172.24	5.73
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-22.26	
05 15 16 00-0177	EA 1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	195.63	6.87
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-25.20	
05 15 16 00-0178	EA 5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	198.30	9.16
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-24.46	
05 15 16 00-0179	EA 5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	245.98	9.16
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-31.17	
05 15 16 00-0180	EA 5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	279.59	10.31
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-35.80	
05 15 16 00-0181	EA 3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	267.25	12.60
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-32.78	
05 15 16 00-0182	EA 3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	303.67	14.89
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-36.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 15 16 00-0183	EA		3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	376.11 -46.60	16.03
05 15 16 00-0184	EA		3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	452.45 -56.02	19.47
05 15 16 00-0185	EA		7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	512.64 -60.53	27.49
05 15 16 00-0186	EA		7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	622.41 -74.27	32.08
05 15 16 00-0187	EA		1" x 6", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	533.07 -63.60	27.49
05 15 16 00-0188	EA		1" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	607.70 -69.68	35.51
05 15 16 00-0189	EA		1" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	835.71 -98.93	44.67
05 15 16 00-0190	EA		1" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	933.18 -108.74	52.69
05 15 16 00-0191	EA		1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,037.06 -117.38	64.14
05 15 16 00-0192	EA		1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,254.69 -145.25	72.16
05 15 16 00-0193	EA		1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,630.58 -195.50	82.47
05 15 16 00-0194	EA		1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,608.63 -188.43	88.19
05 15 16 00-0195	EA		1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	1,761.48 -195.50	114.53
05 15 16 00-0196	EA		1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	3,202.90 -394.53	148.89
05 15 16 00-0197	EA		2" x 24", Forged Steel, Jaw And Jaw Turnbuckle For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	5,228.08 -612.41	286.34

05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)

05 15 16 00-0199	EA		1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	20.89	
05 15 16 00-0200	EA		5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	20.99	
05 15 16 00-0201	EA		3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	23.70	
05 15 16 00-0202	EA		7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	28.33	
05 15 16 00-0203	EA		1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	28.20	
05 15 16 00-0204	EA		5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	38.66	
05 15 16 00-0205	EA		3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	46.54	
05 15 16 00-0206	EA		7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	63.01	
05 15 16 00-0207	EA		1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	84.71	
05 15 16 00-0208	EA		1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	123.48	
05 15 16 00-0209	EA		1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	146.97	
05 15 16 00-0210	EA		1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	267.65	
05 15 16 00-0211	EA		1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	307.01	
05 15 16 00-0212	EA		2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	379.84	

05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)

05 15 16 00-0214	EA		1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	27.58	
05 15 16 00-0215	EA		1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	24.84	
05 15 16 00-0216	EA		5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	33.85	
05 15 16 00-0217	EA		5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	22.58	
05 15 16 00-0218	EA		3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.64	
05 15 16 00-0219	EA		3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	46.40	
05 15 16 00-0220	EA		3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	44.96	
05 15 16 00-0221	EA		3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	42.70	
05 15 16 00-0222	EA		3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	38.23	
05 15 16 00-0223	EA		3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	39.49	
05 15 16 00-0224	EA		1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	34.82	
05 15 16 00-0225	EA		1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	27.66	
05 15 16 00-0226	EA		1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	36.17	
05 15 16 00-0227	EA		1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	49.57	
05 15 16 00-0228	EA		1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	37.52	
05 15 16 00-0229	EA		1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	60.65	
05 15 16 00-0230	EA		1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	53.32	
05 15 16 00-0231	EA		1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	48.60	
05 15 16 00-0232	EA		1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	57.25	
05 15 16 00-0233	EA		5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	58.09	
05 15 16 00-0234	EA		5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	51.66	
05 15 16 00-0235	EA		5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	65.13	
05 15 16 00-0236	EA		5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	74.73	
05 15 16 00-0237	EA		5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	86.26	
05 15 16 00-0238	EA		5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	71.16	
05 15 16 00-0239	EA		3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	71.16	
05 15 16 00-0240	EA		3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	72.58	
05 15 16 00-0241	EA		3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	80.28	
05 15 16 00-0242	EA		3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	86.62	
05 15 16 00-0243	EA		3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	101.32	
05 15 16 00-0244	EA		1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	134.31	

05 15 19 Stainless Steel Wire Rope Assemblies (05 15)

05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable (05 15 19)

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.27	0.08
		<i>For >500, Deduct</i>	-0.03	
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.35	0.09
		<i>For >500, Deduct</i>	-0.04	
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.46	0.10
		<i>For >500, Deduct</i>	-0.06	
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.59	0.11
		<i>For >500, Deduct</i>	-0.08	
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.72	0.11
		<i>For >500, Deduct</i>	-0.10	

05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)

05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.51	0.10
		<i>For >500, Deduct</i>	-0.07	
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.60	0.11
		<i>For >500, Deduct</i>	-0.08	
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.69	0.11
		<i>For >500, Deduct</i>	-0.10	
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.86	0.11
		<i>For >500, Deduct</i>	-0.13	
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.31	0.11
		<i>For >500, Deduct</i>	-0.20	
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.96	0.23
		<i>For >500, Deduct</i>	-0.30	

05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable (05 15 19)

05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.27	0.08
		<i>For >500, Deduct</i>	-0.03	
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.35	0.09
		<i>For >500, Deduct</i>	-0.04	
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.46	0.10
		<i>For >500, Deduct</i>	-0.06	
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.59	0.11
		<i>For >500, Deduct</i>	-0.08	
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.72	0.11
		<i>For >500, Deduct</i>	-0.10	

05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable (05 15 19)

05 15 19 00-0021	LF	1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.51	0.10
		<i>For >500, Deduct</i>	-0.07	
05 15 19 00-0022	LF	5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.60	0.11
		<i>For >500, Deduct</i>	-0.08	
05 15 19 00-0023	LF	3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.69	0.11
		<i>For >500, Deduct</i>	-0.10	
05 15 19 00-0024	LF	1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.86	0.11
		<i>For >500, Deduct</i>	-0.13	
05 15 19 00-0025	LF	5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.31	0.11
		<i>For >500, Deduct</i>	-0.20	
05 15 19 00-0026	LF	3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.96	0.11
		<i>For >500, Deduct</i>	-0.30	

05 20 Metal Joists (05)

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing (05 20)**05 21 19 Open Web Steel Joist Framing (05 21)**

05 21 19 00-0001	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,837.54	203.63
		<i>For Welded Cross Bridging, Add</i>	254.54	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	238.69	
05 21 19 00-0002	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,601.19	190.90
		<i>For Welded Cross Bridging, Add</i>	226.25	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	221.64	
05 21 19 00-0003	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	3,124.00	190.90
		<i>For Welded Cross Bridging, Add</i>	234.96	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	280.90	
05 21 19 00-0004	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	3,540.14	190.90
		<i>For Welded Cross Bridging, Add</i>	234.96	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	330.83	
05 21 19 00-0005	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	3,137.24	190.90
		<i>For Welded Cross Bridging, Add</i>	254.54	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	274.65	
05 21 19 00-0006	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,904.27	190.90
		<i>For Welded Cross Bridging, Add</i>	234.96	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	374.53	

05 30 Metal Decking (05)

Note: Includes all connecting bolts and welds.

05 31 Steel Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete where required.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 31 13 Steel Floor Decking (05 31)

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck (05 31 13)

05 31 13 00-0002	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.24	0.52
		For Painted, Deduct	-0.13	
		For Perforated Or Slotted, Add	0.13	
		For Site Installed Insulation Between Ribs, Add	0.86	
		For Up To 100, Add	0.91	
		For >100 To 500, Add	0.52	
		For >500 To 1,500, Add	0.16	
05 31 13 00-0003	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	3.68	0.60
		For Painted, Deduct	-0.15	
		For Perforated Or Slotted, Add	0.15	
		For Site Installed Insulation Between Ribs, Add	0.98	
		For Up To 100, Add	1.04	
		For >100 To 500, Add	0.59	
		For >500 To 1,500, Add	0.19	
05 31 13 00-0004	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	4.62	0.73
		For Painted, Deduct	-0.19	
		For Perforated Or Slotted, Add	0.19	
		For Site Installed Insulation Between Ribs, Add	1.22	
		For Up To 100, Add	1.28	
		For >100 To 500, Add	0.74	
		For >500 To 1,500, Add	0.23	
05 31 13 00-0005	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.55	0.58
		For Painted, Deduct	-0.14	
		For Perforated Or Slotted, Add	0.14	
		For Site Installed Insulation Between Ribs, Add	0.94	
		For Up To 100, Add	1.01	
		For >100 To 500, Add	0.57	
		For >500 To 1,500, Add	0.18	
05 31 13 00-0006	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	4.08	0.67
		For Painted, Deduct	-0.16	
		For Perforated Or Slotted, Add	0.16	
		For Site Installed Insulation Between Ribs, Add	1.08	
		For Up To 100, Add	1.16	
		For >100 To 500, Add	0.66	
		For >500 To 1,500, Add	0.21	
05 31 13 00-0007	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	5.14	0.82
		For Painted, Deduct	-0.21	
		For Perforated Or Slotted, Add	0.21	
		For Site Installed Insulation Between Ribs, Add	1.36	
		For Up To 100, Add	1.44	
		For >100 To 500, Add	0.82	
		For >500 To 1,500, Add	0.26	
05 31 13 00-0008	SF	2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	4.02	0.61
		For Painted, Deduct	-0.16	
		For Perforated Or Slotted, Add	0.16	
		For Site Installed Insulation Between Ribs, Add	1.06	
		For Up To 100, Add	1.10	
		For >100 To 500, Add	0.63	
		For >500 To 1,500, Add	0.19	
05 31 13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	4.66	0.71
		For Painted, Deduct	-0.19	
		For Perforated Or Slotted, Add	0.19	
		For Site Installed Insulation Between Ribs, Add	1.23	
		For Up To 100, Add	1.25	
		For >100 To 500, Add	0.73	
		For >500 To 1,500, Add	0.22	
05 31 13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	5.75	0.79
		For Painted, Deduct	-0.24	
		For Perforated Or Slotted, Add	0.24	
		For Site Installed Insulation Between Ribs, Add	1.51	
		For Up To 100, Add	1.48	
		For >100 To 500, Add	0.88	
		For >500 To 1,500, Add	0.25	
05 31 13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	7.21	0.86
		For Painted, Deduct	-0.31	
		For Perforated Or Slotted, Add	0.31	
		For Site Installed Insulation Between Ribs, Add	1.88	
		For Up To 100, Add	1.69	
		For >100 To 500, Add	1.05	
		For >500 To 1,500, Add	0.27	
05 31 13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	4.49	0.65
		For Painted, Deduct	-0.18	
		For Perforated Or Slotted, Add	0.18	
		For Site Installed Insulation Between Ribs, Add	1.18	
		For Up To 100, Add	1.18	
		For >100 To 500, Add	0.69	
		For >500 To 1,500, Add	0.20	
05 31 13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	5.23	0.73
		For Painted, Deduct	-0.22	
		For Perforated Or Slotted, Add	0.22	
		For Site Installed Insulation Between Ribs, Add	1.38	
		For Up To 100, Add	1.34	
		For >100 To 500, Add	0.80	
		For >500 To 1,500, Add	0.23	

05 Metals**05 30 Metal Decking****05 31 Steel Decking**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 31 13 00-0014	SF 3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	6.52	0.90
	For Painted, Deduct	-0.27	
	For Perforated Or Slotted, Add	0.27	
	For Site Installed Insulation Between Ribs, Add	1.71	
	For Up To 100, Add	1.67	
	For >100 To 500, Add	0.99	
	For >500 To 1,500, Add	0.28	
05 31 13 00-0015	SF 3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	8.22	1.10
	For Painted, Deduct	-0.34	
	For Perforated Or Slotted, Add	0.34	
	For Site Installed Insulation Between Ribs, Add	2.16	
	For Up To 100, Add	2.06	
	For >100 To 500, Add	1.23	
	For >500 To 1,500, Add	0.34	
05 31 13 00-0016	SF 4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	11.87	
	For Painted, Deduct	-0.54	
	For Perforated Or Slotted, Add	0.54	
	For Site Installed Insulation Between Ribs, Add	3.04	
	For Up To 100, Add	2.09	
	For >100 To 500, Add	1.49	
	For >500 To 1,500, Add	0.25	
05 31 13 00-0017	SF 4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	14.95	0.90
	For Painted, Deduct	-0.69	
	For Perforated Or Slotted, Add	0.69	
	For Site Installed Insulation Between Ribs, Add	3.82	
	For Up To 100, Add	2.51	
	For >100 To 500, Add	1.83	
	For >500 To 1,500, Add	0.28	
05 31 13 00-0018	SF 6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	13.89	0.90
	For Painted, Deduct	-0.64	
	For Perforated Or Slotted, Add	0.64	
	For Site Installed Insulation Between Ribs, Add	3.56	
	For Up To 100, Add	2.41	
	For >100 To 500, Add	1.73	
	For >500 To 1,500, Add	0.28	
05 31 13 00-0019	SF 6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	14.56	1.10
	For Painted, Deduct	-0.66	
	For Perforated Or Slotted, Add	0.66	
	For Site Installed Insulation Between Ribs, Add	3.74	
	For Up To 100, Add	2.69	
	For >100 To 500, Add	1.87	
	For >500 To 1,500, Add	0.34	
05 31 13 00-0020	SF 6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	18.19	1.33
	For Painted, Deduct	-0.83	
	For Perforated Or Slotted, Add	0.83	
	For Site Installed Insulation Between Ribs, Add	4.67	
	For Up To 100, Add	3.32	
	For >100 To 500, Add	2.32	
	For >500 To 1,500, Add	0.42	
05 31 13 00-0021	SF 7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	16.09	1.21
	For Painted, Deduct	-0.73	
	For Perforated Or Slotted, Add	0.73	
	For Site Installed Insulation Between Ribs, Add	4.14	
	For Up To 100, Add	2.96	
	For >100 To 500, Add	2.06	
	For >500 To 1,500, Add	0.38	
05 31 13 00-0022	SF 7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	20.06	1.46
	For Painted, Deduct	-0.91	
	For Perforated Or Slotted, Add	0.91	
	For Site Installed Insulation Between Ribs, Add	5.15	
	For Up To 100, Add	3.65	
	For >100 To 500, Add	2.56	
	For >500 To 1,500, Add	0.46	

05 31 13 00-0023 Cellular Galvanized Steel Deck (05 31 13)

Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.

05 31 13 00-0024	SF 1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	10.64	0.92
	For Painted, Deduct	-0.47	
	For Perforated Or Slotted, Add	0.47	
	For Insulated Cells, Add	2.13	
	For Site Installed Insulation Between Ribs, Add	2.75	
	For Up To 100, Add	2.11	
	For >100 To 500, Add	1.41	
	For >500 To 1,500, Add	0.29	
05 31 13 00-0025	SF 1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	11.57	1.23
	For Painted, Deduct	-0.50	
	For Perforated Or Slotted, Add	0.50	
	For Insulated Cells, Add	2.26	
	For Site Installed Insulation Between Ribs, Add	3.01	
	For Up To 100, Add	2.53	
	For >100 To 500, Add	1.62	
	For >500 To 1,500, Add	0.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0026	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	13.05	0.96	
		For Painted, Deduct	-0.59		
		For Perforated Or Slotted, Add	0.59		
		For Insulated Cells, Add	2.66		
		For Site Installed Insulation Between Ribs, Add	3.35		
		For Up To 100, Add	2.39		
		For >100 To 500, Add	1.67		
		For >500 To 1,500, Add	0.30		
05 31 13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	14.13	1.29	
		For Painted, Deduct	-0.63		
		For Perforated Or Slotted, Add	0.63		
		For Insulated Cells, Add	2.82		
		For Site Installed Insulation Between Ribs, Add	3.65		
		For Up To 100, Add	2.86		
		For >100 To 500, Add	1.90		
		For >500 To 1,500, Add	0.40		
05 31 13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	14.95	1.19	
		For Painted, Deduct	-0.68		
		For Perforated Or Slotted, Add	0.68		
		For Insulated Cells, Add	3.04		
		For Site Installed Insulation Between Ribs, Add	3.85		
		For Up To 100, Add	2.80		
		For >100 To 500, Add	1.93		
		For >500 To 1,500, Add	0.36		
05 31 13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	17.87	1.36	
		For Painted, Deduct	-0.81		
		For Perforated Or Slotted, Add	0.81		
		For Insulated Cells, Add	3.64		
		For Site Installed Insulation Between Ribs, Add	4.59		
		For Up To 100, Add	3.32		
		For >100 To 500, Add	2.30		
		For >500 To 1,500, Add	0.43		
05 31 13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	20.04	1.46	
		For Painted, Deduct	-0.91		
		For Perforated Or Slotted, Add	0.91		
		For Insulated Cells, Add	4.10		
		For Site Installed Insulation Between Ribs, Add	5.15		
		For Up To 100, Add	3.65		
		For >100 To 500, Add	2.55		
		For >500 To 1,500, Add	0.46		
05 31 13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	21.66	1.57	
		For Painted, Deduct	-0.99		
		For Perforated Or Slotted, Add	0.99		
		For Insulated Cells, Add	4.43		
		For Site Installed Insulation Between Ribs, Add	5.56		
		For Up To 100, Add	3.93		
		For >100 To 500, Add	2.75		
		For >500 To 1,500, Add	0.49		
05 31 13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	23.18	1.19	
		For Painted, Deduct	-1.09		
		For Perforated Or Slotted, Add	1.09		
		For Insulated Cells, Add	4.88		
		For Site Installed Insulation Between Ribs, Add	5.91		
		For Up To 100, Add	3.65		
		For >100 To 500, Add	2.76		
		For >500 To 1,500, Add	0.37		
05 31 13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	24.66	1.38	
		For Painted, Deduct	-1.15		
		For Perforated Or Slotted, Add	1.15		
		For Insulated Cells, Add	5.16		
		For Site Installed Insulation Between Ribs, Add	6.29		
		For Up To 100, Add	4.02		
		For >100 To 500, Add	2.99		
		For >500 To 1,500, Add	0.43		
05 31 13 00-0034	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	26.06	1.48	
		For Painted, Deduct	-1.21		
		For Perforated Or Slotted, Add	1.21		
		For Insulated Cells, Add	5.45		
		For Site Installed Insulation Between Ribs, Add	6.65		
		For Up To 100, Add	4.28		
		For >100 To 500, Add	3.16		
		For >500 To 1,500, Add	0.47		
05 31 13 00-0035	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	27.79	1.59	
		For Painted, Deduct	-1.29		
		For Perforated Or Slotted, Add	1.29		
		For Insulated Cells, Add	5.81		
		For Site Installed Insulation Between Ribs, Add	7.10		
		For Up To 100, Add	4.57		
		For >100 To 500, Add	3.38		
		For >500 To 1,500, Add	0.50		

05 31 23 Steel Roof Decking (05 31)
 See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking (05 31)

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck (05 31 33)

05 Metals**05 30 Metal Decking****05 31 Steel Decking**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 31 33 00-0002	SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.92	
	For Painted, Deduct	-0.10	
	For Perforated Or Slotted, Add	0.10	
	For Up To 100, Add	1.16	
	For >100 To 500, Add	0.58	
	For >500 To 1,500, Add	0.24	
05 31 33 00-0003	SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.12	
	For Painted, Deduct	-0.10	
	For Perforated Or Slotted, Add	0.10	
	For Up To 100, Add	1.24	
	For >100 To 500, Add	0.62	
	For >500 To 1,500, Add	0.26	
05 31 33 00-0004	SF 9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.45	
	For Painted, Deduct	-0.11	
	For Perforated Or Slotted, Add	0.11	
	For Up To 100, Add	1.42	
	For >100 To 500, Add	0.70	
	For >500 To 1,500, Add	0.30	
05 31 33 00-0005	SF 9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.72	
	For Painted, Deduct	-0.12	
	For Perforated Or Slotted, Add	0.12	
	For Up To 100, Add	1.58	
	For >100 To 500, Add	0.77	
	For >500 To 1,500, Add	0.34	
05 31 33 00-0006	SF 15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.53	
	For Painted, Deduct	-0.13	
	For Perforated Or Slotted, Add	0.13	
	For Up To 100, Add	1.28	
	For >100 To 500, Add	0.66	
	For >500 To 1,500, Add	0.26	
05 31 33 00-0007	SF 15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.70	
	For Painted, Deduct	-0.13	
	For Perforated Or Slotted, Add	0.13	
	For Up To 100, Add	1.34	
	For >100 To 500, Add	0.69	
	For >500 To 1,500, Add	0.27	
05 31 33 00-0008	SF 15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.90	
	For Painted, Deduct	-0.14	
	For Perforated Or Slotted, Add	0.14	
	For Up To 100, Add	1.46	
	For >100 To 500, Add	0.75	
	For >500 To 1,500, Add	0.30	
05 31 33 00-0009	SF 15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.15	
	For Painted, Deduct	-0.14	
	For Perforated Or Slotted, Add	0.14	
	For Up To 100, Add	1.62	
	For >100 To 500, Add	0.82	
	For >500 To 1,500, Add	0.34	
05 31 33 00-0010	SF 1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.39	
	For Painted, Deduct	-0.15	
	For Perforated Or Slotted, Add	0.15	
	For Up To 100, Add	1.70	
	For >100 To 500, Add	0.86	
	For >500 To 1,500, Add	0.35	
05 31 33 00-0011	SF 1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.78	
	For Painted, Deduct	-0.17	
	For Perforated Or Slotted, Add	0.17	
	For Up To 100, Add	1.78	
	For >100 To 500, Add	0.91	
	For >500 To 1,500, Add	0.36	
05 31 33 00-0012	SF 1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.48	
	For Painted, Deduct	-0.20	
	For Perforated Or Slotted, Add	0.20	
	For Up To 100, Add	1.95	
	For >100 To 500, Add	1.02	
	For >500 To 1,500, Add	0.39	
05 31 33 00-0013	SF 1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	6.08	
	For Painted, Deduct	-0.22	
	For Perforated Or Slotted, Add	0.22	
	For Up To 100, Add	2.21	
	For >100 To 500, Add	1.14	
	For >500 To 1,500, Add	0.45	

05 36 Composite Metal Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF 1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.43	
	For Painted, Deduct	-0.15	
	For Perforated Or Slotted, Add	0.15	
	For Up To 100, Add	1.70	
	For >100 To 500, Add	0.86	
	For >500 To 1,500, Add	0.35	
05 36 00 00-0003	SF 1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.73	
	For Painted, Deduct	-0.16	
	For Perforated Or Slotted, Add	0.16	
	For Up To 100, Add	1.88	
	For >100 To 500, Add	0.94	
	For >500 To 1,500, Add	0.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 36 00 00-0004	SF	1-1/2"	Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.30	
			For Painted, Deduct	-0.17	
			For Perforated Or Slotted, Add	0.17	
			For Up To 100, Add	2.28	
			For >100 To 500, Add	1.11	
			For >500 To 1,500, Add	0.49	
05 36 00 00-0005	SF	1-1/2"	Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.78	
			For Painted, Deduct	-0.17	
			For Perforated Or Slotted, Add	0.17	
			For Up To 100, Add	2.67	
			For >100 To 500, Add	1.27	
			For >500 To 1,500, Add	0.58	
05 36 00 00-0006	SF	2"	Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.73	
			For Painted, Deduct	-0.16	
			For Perforated Or Slotted, Add	0.16	
			For Up To 100, Add	1.88	
			For >100 To 500, Add	0.94	
			For >500 To 1,500, Add	0.39	
05 36 00 00-0007	SF	2"	Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.12	
			For Painted, Deduct	-0.17	
			For Perforated Or Slotted, Add	0.17	
			For Up To 100, Add	2.07	
			For >100 To 500, Add	1.03	
			For >500 To 1,500, Add	0.43	
05 36 00 00-0008	SF	2"	Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.67	
			For Painted, Deduct	-0.18	
			For Perforated Or Slotted, Add	0.18	
			For Up To 100, Add	2.46	
			For >100 To 500, Add	1.20	
			For >500 To 1,500, Add	0.53	
05 36 00 00-0009	SF	2"	Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.20	
			For Painted, Deduct	-0.19	
			For Perforated Or Slotted, Add	0.19	
			For Up To 100, Add	2.85	
			For >100 To 500, Add	1.36	
			For >500 To 1,500, Add	0.62	
05 36 00 00-0010	SF	3"	Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.97	
			For Painted, Deduct	-0.17	
			For Perforated Or Slotted, Add	0.17	
			For Up To 100, Add	1.95	
			For >100 To 500, Add	0.98	
			For >500 To 1,500, Add	0.40	
05 36 00 00-0011	SF	3"	Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.33	
			For Painted, Deduct	-0.18	
			For Perforated Or Slotted, Add	0.18	
			For Up To 100, Add	2.18	
			For >100 To 500, Add	1.08	
			For >500 To 1,500, Add	0.46	
05 36 00 00-0012	SF	3"	Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.98	
			For Painted, Deduct	-0.19	
			For Perforated Or Slotted, Add	0.19	
			For Up To 100, Add	2.63	
			For >100 To 500, Add	1.28	
			For >500 To 1,500, Add	0.57	
05 36 00 00-0013	SF	3"	Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.67	
			For Painted, Deduct	-0.20	
			For Perforated Or Slotted, Add	0.20	
			For Up To 100, Add	3.09	
			For >100 To 500, Add	1.47	
			For >500 To 1,500, Add	0.67	

05 36 00 00-0014

Composite Cellular Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2"	Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.11	
			For Painted, Deduct	-0.28	
			For Perforated Or Slotted, Add	0.28	
			For Insulated Cells, Add	1.26	
			For Up To 100, Add	3.09	
			For >100 To 500, Add	1.57	
			For >500 To 1,500, Add	0.63	
05 36 00 00-0016	SF	1-1/2"	Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.67	
			For Painted, Deduct	-0.29	
			For Perforated Or Slotted, Add	0.29	
			For Insulated Cells, Add	1.32	
			For Up To 100, Add	3.39	
			For >100 To 500, Add	1.71	
			For >500 To 1,500, Add	0.70	
05 36 00 00-0017	SF	1-1/2"	Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.77	
			For Painted, Deduct	-0.29	
			For Perforated Or Slotted, Add	0.29	
			For Insulated Cells, Add	1.32	
			For Up To 100, Add	3.49	
			For >100 To 500, Add	1.75	
			For >500 To 1,500, Add	0.73	

05 Metals**05 30 Metal Decking****05 36 Composite Metal Decking**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 36 00 00-0018	SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.32	
	For Painted, Deduct	-0.30	
	For Perforated Or Slotted, Add	0.30	
	For Insulated Cells, Add	1.37	
	For Up To 100, Add	3.84	
	For >100 To 500, Add	1.90	
	For >500 To 1,500, Add	0.81	
05 36 00 00-0019	SF 1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.98	
	For Painted, Deduct	-0.32	
	For Perforated Or Slotted, Add	0.32	
	For Insulated Cells, Add	1.46	
	For Up To 100, Add	4.14	
	For >100 To 500, Add	2.05	
	For >500 To 1,500, Add	0.87	
05 36 00 00-0020	SF 1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.10	
	For Painted, Deduct	-0.32	
	For Perforated Or Slotted, Add	0.32	
	For Insulated Cells, Add	1.46	
	For Up To 100, Add	4.26	
	For >100 To 500, Add	2.09	
	For >500 To 1,500, Add	0.90	
05 36 00 00-0021	SF 1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.64	
	For Painted, Deduct	-0.34	
	For Perforated Or Slotted, Add	0.34	
	For Insulated Cells, Add	1.51	
	For Up To 100, Add	4.60	
	For >100 To 500, Add	2.24	
	For >500 To 1,500, Add	0.98	
05 36 00 00-0022	SF 2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.38	
	For Painted, Deduct	-0.28	
	For Perforated Or Slotted, Add	0.28	
	For Insulated Cells, Add	1.28	
	For Up To 100, Add	3.26	
	For >100 To 500, Add	1.65	
	For >500 To 1,500, Add	0.67	
05 36 00 00-0023	SF 2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.84	
	For Painted, Deduct	-0.30	
	For Perforated Or Slotted, Add	0.30	
	For Insulated Cells, Add	1.34	
	For Up To 100, Add	3.49	
	For >100 To 500, Add	1.75	
	For >500 To 1,500, Add	0.73	
05 36 00 00-0024	SF 2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.96	
	For Painted, Deduct	-0.30	
	For Perforated Or Slotted, Add	0.30	
	For Insulated Cells, Add	1.34	
	For Up To 100, Add	3.61	
	For >100 To 500, Add	1.80	
	For >500 To 1,500, Add	0.76	
05 36 00 00-0025	SF 2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.61	
	For Painted, Deduct	-0.31	
	For Perforated Or Slotted, Add	0.31	
	For Insulated Cells, Add	1.41	
	For Up To 100, Add	3.97	
	For >100 To 500, Add	1.96	
	For >500 To 1,500, Add	0.84	
05 36 00 00-0026	SF 2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.18	
	For Painted, Deduct	-0.33	
	For Perforated Or Slotted, Add	0.33	
	For Insulated Cells, Add	1.48	
	For Up To 100, Add	4.27	
	For >100 To 500, Add	2.10	
	For >500 To 1,500, Add	0.90	
05 36 00 00-0027	SF 2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.34	
	For Painted, Deduct	-0.33	
	For Perforated Or Slotted, Add	0.33	
	For Insulated Cells, Add	1.48	
	For Up To 100, Add	4.43	
	For >100 To 500, Add	2.17	
	For >500 To 1,500, Add	0.94	
05 36 00 00-0028	SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.90	
	For Painted, Deduct	-0.34	
	For Perforated Or Slotted, Add	0.34	
	For Insulated Cells, Add	1.54	
	For Up To 100, Add	4.73	
	For >100 To 500, Add	2.30	
	For >500 To 1,500, Add	1.01	
05 36 00 00-0029	SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	8.42	
	For Painted, Deduct	-0.29	
	For Perforated Or Slotted, Add	0.29	
	For Insulated Cells, Add	1.29	
	For Up To 100, Add	3.26	
	For >100 To 500, Add	1.65	
	For >500 To 1,500, Add	0.67	
05 36 00 00-0030	SF 3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.91	
	For Painted, Deduct	-0.30	
	For Perforated Or Slotted, Add	0.30	
	For Insulated Cells, Add	1.34	
	For Up To 100, Add	3.56	
	For >100 To 500, Add	1.78	
	For >500 To 1,500, Add	0.74	

			Metals	05	05
			Metal Decking	05 30	
			Composite Metal Decking	05 36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

05 36 00 00-0031	SF	3"	Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	9.06	
			For Painted, Deduct	-0.30	
			For Perforated Or Slotted, Add	0.30	
			For Insulated Cells, Add	1.34	
			For Up To 100, Add	3.71	
			For >100 To 500, Add	1.84	
			For >500 To 1,500, Add	0.78	
05 36 00 00-0032	SF	3"	Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	9.70	
			For Painted, Deduct	-0.32	
			For Perforated Or Slotted, Add	0.32	
			For Insulated Cells, Add	1.42	
			For Up To 100, Add	4.02	
			For >100 To 500, Add	1.99	
			For >500 To 1,500, Add	0.85	
05 36 00 00-0033	SF	3"	Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	10.33	
			For Painted, Deduct	-0.33	
			For Perforated Or Slotted, Add	0.33	
			For Insulated Cells, Add	1.50	
			For Up To 100, Add	4.33	
			For >100 To 500, Add	2.13	
			For >500 To 1,500, Add	0.92	
05 36 00 00-0034	SF	3"	Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.55	
			For Painted, Deduct	-0.33	
			For Perforated Or Slotted, Add	0.33	
			For Insulated Cells, Add	1.50	
			For Up To 100, Add	4.55	
			For >100 To 500, Add	2.22	
			For >500 To 1,500, Add	0.97	
05 36 00 00-0035	SF	3"	Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	11.00	
			For Painted, Deduct	-0.34	
			For Perforated Or Slotted, Add	0.34	
			For Insulated Cells, Add	1.54	
			For Up To 100, Add	4.83	
			For >100 To 500, Add	2.34	
			For >500 To 1,500, Add	1.04	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized (05 36)

05 36 00 00-0037	SF	1"	Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	6.23	
05 36 00 00-0038	SF	1"	Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	5.11	
05 36 00 00-0039	SF	1"	Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.26	
05 36 00 00-0040	SF	1"	Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	3.66	
05 36 00 00-0041	SF	1-1/2"	Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	6.85	
05 36 00 00-0042	SF	1-1/2"	Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	5.58	
05 36 00 00-0043	SF	1-1/2"	Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.62	
05 36 00 00-0044	SF	1-1/2"	Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.00	
05 36 00 00-0045	SF	3"	Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	7.90	
05 36 00 00-0046	SF	3"	Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	6.32	
05 36 00 00-0047	SF	3"	Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	5.31	
05 36 00 00-0048	SF	3"	Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular.....	4.79	

05 40 Cold-Formed Metal Framing (05)

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing (05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0002	SF	2-1/2"	Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.53	1.15
			For Walls >10' High, Add	1.31	
			For Curved Wall, Add	0.80	
			For Up To 200, Add	1.84	
			For >200 To 500, Add	0.92	
			For 12" On Center, Add	1.17	
			For 24" On Center, Deduct	-1.17	
05 41 00 00-0003	SF	3-5/8"	Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.33	1.15
			For Walls >10' High, Add	1.47	
			For Curved Wall, Add	0.84	
			For Up To 200, Add	2.03	
			For >200 To 500, Add	1.01	
			For 12" On Center, Add	1.33	
			For 24" On Center, Deduct	-1.33	
05 41 00 00-0004	SF	4"	Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.66	1.15
			For Walls >10' High, Add	1.53	
			For Curved Wall, Add	0.88	
			For Up To 200, Add	2.12	
			For >200 To 500, Add	1.06	
			For 12" On Center, Add	1.39	
			For 24" On Center, Deduct	-1.39	
05 41 00 00-0005	SF	6"	Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	9.88	1.27
			For Walls >10' High, Add	1.98	
			For Curved Wall, Add	0.91	
			For Up To 200, Add	2.58	
			For >200 To 500, Add	1.29	
			For 12" On Center, Add	1.82	
			For 24" On Center, Deduct	-1.82	

05 Metals**05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 41 00 00-0006	SF 8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	11.09	1.40
	For Walls >10' High, Add	2.22	
	For Curved Wall, Add	0.95	
	For Up To 200, Add	2.85	
	For >200 To 500, Add	1.43	
	For 12" On Center, Add	2.06	
	For 24" On Center, Deduct	-2.06	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0008	SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.03	1.15
	For Walls >10' High, Add	1.41	
	For Curved Wall, Add	0.84	
	For Up To 200, Add	1.97	
	For >200 To 500, Add	0.98	
	For 12" On Center, Add	1.27	
	For 24" On Center, Deduct	-1.27	
05 41 00 00-0009	SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.20	1.16
	For Walls >10' High, Add	1.64	
	For Curved Wall, Add	0.88	
	For Up To 200, Add	2.23	
	For >200 To 500, Add	1.11	
	For 12" On Center, Add	1.49	
	For 24" On Center, Deduct	-1.49	
05 41 00 00-0010	SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.67	1.16
	For Walls >10' High, Add	1.73	
	For Curved Wall, Add	0.92	
	For Up To 200, Add	2.35	
	For >200 To 500, Add	1.17	
	For 12" On Center, Add	1.58	
	For 24" On Center, Deduct	-1.58	
05 41 00 00-0011	SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	11.11	1.40
	For Walls >10' High, Add	2.22	
	For Curved Wall, Add	0.96	
	For Up To 200, Add	2.86	
	For >200 To 500, Add	1.43	
	For 12" On Center, Add	2.06	
	For 24" On Center, Deduct	-2.06	
05 41 00 00-0012	SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	12.29	1.53
	For Walls >10' High, Add	2.46	
	For Curved Wall, Add	1.01	
	For Up To 200, Add	3.13	
	For >200 To 500, Add	1.57	
	For 12" On Center, Add	2.29	
	For 24" On Center, Deduct	-2.29	

05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)

05 41 00 00-0014	SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	9.75	1.59
	For Walls >10' High, Add	1.95	
	For Curved Wall, Add	1.06	
	For Up To 200, Add	2.66	
	For >200 To 500, Add	1.33	
	For 12" On Center, Add	1.77	
	For 24" On Center, Deduct	-1.77	
05 41 00 00-0015	SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	10.03	1.62
	For Walls >10' High, Add	2.01	
	For Curved Wall, Add	1.08	
	For Up To 200, Add	2.73	
	For >200 To 500, Add	1.36	
	For 12" On Center, Add	1.83	
	For 24" On Center, Deduct	-1.83	
05 41 00 00-0016	SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	12.75	1.70
	For Walls >10' High, Add	2.55	
	For Curved Wall, Add	1.13	
	For Up To 200, Add	3.31	
	For >200 To 500, Add	1.65	
	For 12" On Center, Add	2.36	
	For 24" On Center, Deduct	-2.36	
05 41 00 00-0017	SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	14.04	1.78
	For Walls >10' High, Add	2.81	
	For Curved Wall, Add	1.19	
	For Up To 200, Add	3.60	
	For >200 To 500, Add	1.80	
	For 12" On Center, Add	2.61	
	For 24" On Center, Deduct	-2.61	

05 42 Cold-Formed Metal Joist Framing (05 40)**05 42 13 Cold-Formed Metal Floor Joist Framing** (05 42)

Note: Floor or roof joist framing

05 42 13 00-0001 Steel Joists, 20 Gauge (05 42 13)

05 42 13 00-0002	LF 5-1/2" - 20 Gauge Steel Joists	14.13	2.73
05 42 13 00-0003	LF 6" - 20 Gauge Steel Joists	15.27	3.43
05 42 13 00-0004	LF 7-1/4" - 20 Gauge Steel Joists	16.53	3.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 42 13 00-0005	LF		8" - 20 Gauge Steel Joists	18.62	4.00
05 42 13 00-0006			Steel Joists, 18 Gauge (05 42 13)		
05 42 13 00-0007	LF		5-1/2" - 18 Gauge Steel Joists	15.75	3.03
05 42 13 00-0008	LF		6" - 18 Gauge Steel Joists	17.05	3.81
05 42 13 00-0009	LF		7-1/4" - 18 Gauge Steel Joists	18.51	4.18
05 42 13 00-0010	LF		8" - 18 Gauge Steel Joists	19.01	4.45
05 42 13 00-0011			Steel Joists, 16 Gauge (05 42 13)		
05 42 13 00-0012	LF		7-1/4" - 16 Gauge Steel Joists	20.13	4.22
05 42 13 00-0013	LF		8" - 16 Gauge Steel Joists	21.27	4.45
05 42 13 00-0014			Steel Joists, 14 Gauge (05 42 13)		
05 42 13 00-0015	LF		9-1/4" - 14 Gauge Steel Joists	24.19	4.45
05 42 13 00-0016	LF		11-1/2" - 14 Gauge Steel Joists	26.33	4.69
05 42 13 00-0017			Steel Joists, 12 Gauge (05 42 13)		
05 42 13 00-0018	LF		9-1/4" - 12 Gauge Steel Joists	28.95	4.89
05 42 13 00-0019	LF		11-1/2" - 12 Gauge Steel Joists	31.73	5.15
05 42 13 00-0020			Steel Joists, 10 Gauge (05 42 13)		
05 42 13 00-0021	LF		9-1/4" - 10 Gauge Steel Joists	33.78	5.38
05 42 13 00-0022	LF		11-1/2" - 10 Gauge Steel Joists	37.21	5.67
05 42 13 00-0023			Steel Joists, 8 Gauge (05 42 13)		
05 42 13 00-0024	LF		9-1/4" - 8 Gauge Steel Joists	38.67	5.92
05 42 13 00-0025	LF		11-1/2" - 8 Gauge Steel Joists	42.72	6.24
05 42 23			Cold-Formed Metal Roof Joist Framing (05 42)		
			See CSI section 05 42 13 00-0000 for metal joist framing.		
05 43			Slotted Channel Framing (05 40)		
05 43 00 00-0001			Metal Framing Channel (05 43)		
			Note: Excludes fasteners and accessories. See CSI section 26 05 29 00-0001 for Unistrut framing channels with Electrical Crews.		
05 43 00 00-0002			Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0003	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.55	2.59
			For Galvanizing, Add	1.42	
			For Powder Coating, Add	1.26	
05 43 00 00-0004	LF		1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	13.96	2.59
			For Galvanizing, Add	1.49	
			For Powder Coating, Add	1.32	
05 43 00 00-0005	LF		1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	14.58	2.59
			For Galvanizing, Add	1.60	
			For Powder Coating, Add	1.41	
05 43 00 00-0006	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	12.74	2.59
			For Galvanizing, Add	1.29	
			For Powder Coating, Add	1.14	
05 43 00 00-0007	LF		1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	10.96	2.59
			For Galvanizing, Add	0.98	
			For Powder Coating, Add	0.87	
05 43 00 00-0008			Stainless Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0009			304 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0010	LF		1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	24.24	2.59
05 43 00 00-0011	LF		1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	28.90	2.59
05 43 00 00-0012	LF		1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	27.74	2.59
05 43 00 00-0013	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	34.94	2.59
05 43 00 00-0014			316 Stainless Steel Unistrut Channel (05 43 00 00-0008)		
05 43 00 00-0015	LF		1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	39.35	2.59
05 43 00 00-0016			Aluminum Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0017	LF		1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	13.02	2.59
05 43 00 00-0018	LF		1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	9.92	2.59
05 43 00 00-0019			Metal Framing Channel Fittings (05 43)		
05 43 00 00-0020			Unistrut Closure Strips (05 43 00 00-0019)		
05 43 00 00-0021	LF		Steel Raceway Closure Strip For Unistrut Channel	7.58	0.57

05	05	Metals
	05 40	Cold-Formed Metal Framing
	05 43	Slotted Channel Framing



MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
05 43 00 00-0022	Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0019)				
	Note: Includes hex bolt.				
05 43 00 00-0023	Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0022)				
	Note: Includes hex bolt.				
05 43 00 00-0024	EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	8.22			
05 43 00 00-0025	EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	9.10			
05 43 00 00-0026	EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	9.77			
05 43 00 00-0027	EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	13.34			
05 43 00 00-0028	Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0022)				
	Note: Includes hex bolt.				
05 43 00 00-0029	EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.54			
05 43 00 00-0030	EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	15.46			
05 43 00 00-0031	EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	21.44			
05 43 00 00-0032	EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	35.39			
05 43 00 00-0033	Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0019)				
	Note: Includes hex bolt.				
05 43 00 00-0034	Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0033)				
	Note: Includes hex bolt.				
05 43 00 00-0035	EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	8.25			
05 43 00 00-0036	EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	9.23			
05 43 00 00-0037	EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	9.82			
05 43 00 00-0038	EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	14.37			
05 43 00 00-0039	Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0033)				
	Note: Includes hex bolt.				
05 43 00 00-0040	EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	10.78			
05 43 00 00-0041	EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	12.80			
05 43 00 00-0042	EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.95			
05 43 00 00-0043	EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	34.51			
05 43 00 00-0044	Beam Clamp For Unistrut Channel (05 43 00 00-0019)				
05 43 00 00-0045	EA 1-5/8" Channel, P2675 Unistrut Beam Clamp	24.12	8.59		
05 43 00 00-0046	EA 1-5/8" Channel, P2676 Unistrut Beam Clamp	30.57	8.59		
05 43 00 00-0047	EA Add For Unistrut Swivel Nut, P2676	3.51			
05 43 00 00-0048	Beam Clamp Clevis Hangers For Unistrut Channel (05 43 00 00-0019)				
05 43 00 00-0049	EA Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	26.36	8.59		
05 43 00 00-0050	EA Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	31.49	8.59		
05 43 00 00-0051	EA Add For Unistrut Swivel Nut	3.51			
05 43 00 00-0052	EA 6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	185.53	11.45		
05 43 00 00-0053	Accessories For Unistrut Channel (05 43 00 00-0019)				
05 43 00 00-0054	EA Trolley Truck Hanger, 1-5/8" Channel P1834	60.95	8.59		
05 43 00 00-0055	EA Flat Plate Fitting, One Hole, 1-5/8" Channel P1064	15.10	5.73		
05 43 00 00-0056	EA 60 Degree Angle, 1-5/8" Channel P2097	15.83	5.73		
05 43 00 00-0057	Bases For Unistrut Channel (05 43 00 00-0019)				
05 43 00 00-0058	Steel Bases For Unistrut Channel (05 43 00 00-0057)				
	Note: Includes straight or angled post mounting and fasteners.				
05 43 00 00-0059	EA 6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel	116.84	28.63		
05 43 00 00-0060	EA 6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel	117.97	28.63		
05 43 00 00-0061	EA 6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel	169.81	28.63		
05 43 00 00-0062	EA 6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel	138.70	28.63		
05 43 00 00-0063	Stainless Steel Bases For Unistrut Channel (05 43 00 00-0057)				
	Note: Includes straight or angled post mounting and fasteners.				
05 43 00 00-0064	EA 6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	224.75	28.63		
05 43 00 00-0065	EA 6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	416.57	28.63		
05 43 00 00-0066	EA 6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel.....	309.84	28.63		
05 43 00 00-0067	EA 6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel.....	465.86	28.63		
05 43 00 00-0068	EA 6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel.....	397.67	28.63		
05 43 00 00-0069	Pipe And Rigid Conduit Clamps (05 43 00 00-0019)				
05 43 00 00-0070	Pipe And Rigid Conduit Clamps (05 43 00 00-0069)				
	Note: Includes stainless steel (316) hardware.				
05 43 00 00-0071	PR 1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.40	2.47		
05 43 00 00-0072	PR 3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	7.55	2.47		
05 43 00 00-0073	PR 1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	8.77	2.99		
05 43 00 00-0074	PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	9.29	3.24		
05 43 00 00-0075	PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	11.67	3.63		
05 43 00 00-0076	PR 2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	11.67	3.63		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 43 00 00-0077	PR		2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	18.05	6.09
05 43 00 00-0078	PR		3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	18.36	6.09
05 43 00 00-0079	PR		3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	19.67	6.74
05 43 00 00-0080	PR		4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....	21.75	7.27

05 43 00 00-0081 Pipe And Rigid Conduit Clamps (05 43 00 00-0069)

Note: Includes nylon hardware.

05 43 00 00-0082	PR		1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	10.89	2.47
05 43 00 00-0083	PR		3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	11.25	2.47
05 43 00 00-0084	PR		1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	12.47	2.99
05 43 00 00-0085	PR		1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.13	3.24
05 43 00 00-0086	PR		1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	17.67	3.63
05 43 00 00-0087	PR		2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	17.67	3.63
05 43 00 00-0088	PR		2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	26.14	6.09
05 43 00 00-0089	PR		3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	26.87	6.09
05 43 00 00-0090	PR		3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	28.32	6.74
05 43 00 00-0091	PR		4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	31.59	7.27

05 44 Cold-Formed Metal Trusses (05 40)

05 44 13 Cold-Formed Metal Roof Trusses (05 44)

05 44 13 00-0001 Metal Trusses (05 44 13)

05 44 13 00-0002 4:12 Pitch Metal Trusses (05 44 13 00-0001)

05 44 13 00-0003	EA		28' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	705.80	115.81
			For 4" Chords, Deduct	-146.05	
			For 14 Gauge, Add	180.58	
			For 16 Gauge, Add	74.71	
05 44 13 00-0004	EA		30' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	738.72	116.83
			For 4" Chords, Deduct	-156.16	
			For 14 Gauge, Add	190.45	
			For 16 Gauge, Add	79.64	
05 44 13 00-0005	EA		32' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	764.17	117.85
			For 4" Chords, Deduct	-163.79	
			For 14 Gauge, Add	198.00	
			For 16 Gauge, Add	83.38	
05 44 13 00-0006	EA		34' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	811.54	123.68
			For 4" Chords, Deduct	-175.05	
			For 14 Gauge, Add	210.76	
			For 16 Gauge, Add	89.03	
05 44 13 00-0007	EA		36' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	851.44	129.52
			For 4" Chords, Deduct	-183.84	
			For 14 Gauge, Add	221.21	
			For 16 Gauge, Add	93.49	
05 44 13 00-0008	EA		38' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	877.52	130.74
			For 4" Chords, Deduct	-191.52	
			For 14 Gauge, Add	228.88	
			For 16 Gauge, Add	97.26	
05 44 13 00-0009	EA		40' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	911.08	131.98
			For 4" Chords, Deduct	-201.67	
			For 14 Gauge, Add	238.88	
			For 16 Gauge, Add	102.22	
05 44 13 00-0010	EA		42' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	953.27	138.58
			For 4" Chords, Deduct	-210.65	
			For 14 Gauge, Add	249.78	
			For 16 Gauge, Add	106.79	
05 44 13 00-0011	EA		44' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	1,002.93	145.18
			For 4" Chords, Deduct	-222.09	
			For 14 Gauge, Add	263.00	
			For 16 Gauge, Add	112.56	
05 44 13 00-0012	EA		46' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	1,045.14	151.78
			For 4" Chords, Deduct	-231.06	
			For 14 Gauge, Add	273.91	
			For 16 Gauge, Add	117.14	
05 44 13 00-0013	EA		48' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	1,094.79	158.37
			For 4" Chords, Deduct	-242.50	
			For 14 Gauge, Add	287.12	
			For 16 Gauge, Add	122.90	

05 44 13 00-0014 5:12 To 6:12 Pitch Metal Trusses (05 44 13 00-0001)

05 44 13 00-0015	EA		28' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	842.95	144.11
			For 4" Chords, Deduct	-170.09	
			For 14 Gauge, Add	213.76	
			For 16 Gauge, Add	87.32	
05 44 13 00-0016	EA		30' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	876.95	145.49
			For 4" Chords, Deduct	-180.28	
			For 14 Gauge, Add	223.84	
			For 16 Gauge, Add	92.30	
05 44 13 00-0017	EA		32' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	910.95	146.87
			For 4" Chords, Deduct	-190.46	
			For 14 Gauge, Add	233.93	
			For 16 Gauge, Add	97.29	

05 Metals**05 40 Cold-Formed Metal Framing****05 44 Cold-Formed Metal Trusses**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 44 13 00-0018	EA	34' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	969.81	156.53
		For 4" Chords, Deduct	-202.64	
		For 14 Gauge, Add	248.99	
		For 16 Gauge, Add	103.51	
05 44 13 00-0019	EA	36' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,028.67	166.20
		For 4" Chords, Deduct	-214.81	
		For 14 Gauge, Add	264.04	
		For 16 Gauge, Add	109.74	
05 44 13 00-0020	EA	38' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	952.18	167.94
		For 4" Chords, Deduct	-216.16	
		For 14 Gauge, Add	252.03	
		For 16 Gauge, Add	109.20	
05 44 13 00-0021	EA	40' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,098.88	169.69
		For 4" Chords, Deduct	-235.36	
		For 14 Gauge, Add	284.66	
		For 16 Gauge, Add	119.82	
05 44 13 00-0022	EA	42' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,154.20	178.18
		For 4" Chords, Deduct	-247.25	
		For 14 Gauge, Add	299.00	
		For 16 Gauge, Add	125.87	
05 44 13 00-0023	EA	44' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,209.51	186.66
		For 4" Chords, Deduct	-259.14	
		For 14 Gauge, Add	313.35	
		For 16 Gauge, Add	131.92	
05 44 13 00-0024	EA	46' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,264.84	195.14
		For 4" Chords, Deduct	-271.04	
		For 14 Gauge, Add	327.70	
		For 16 Gauge, Add	137.98	
05 44 13 00-0025	EA	48' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,320.14	203.63
		For 4" Chords, Deduct	-282.93	
		For 14 Gauge, Add	342.05	
		For 16 Gauge, Add	144.03	

05 45 Metal Support Assemblies (05 40)**05 45 13 Mechanical Metal Supports** (05 45)

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports (05 45)

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications (05)**05 51 Metal Stairs** (05 50)**05 51 13 Metal Pan Stairs** (05 51)
 Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
 See CSI section 05 52 13 00-0000 for handrails.
05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing (05 51 13)

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	1,017.72	33.38
		For Closed Riser, Add	117.55	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,156.47	38.95
		For Closed Riser, Add	133.43	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,288.19	45.62
		For Closed Riser, Add	148.32	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing	78.47	5.57
		Note: Conventional shape.		

05 51 19 Metal Grating Stairs (05 51)

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing (05 51 19)

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	494.19	44.51
		For Closed Riser, Add	59.35	
		For Galvanized Steel, Add	101.30	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	526.84	51.19
		For Closed Riser, Add	62.86	
		For Galvanized Steel, Add	106.12	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	583.24	60.08
		For Closed Riser, Add	69.21	
		For Galvanized Steel, Add	115.77	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail	91.71	5.57
		Note: Conventional shape.		
		For Galvanized Steel, Add	17.37	

05 51 33 Metal Ladders (05 51)

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders (05 51 33)**05 51 33 13-0001 Vertical Ladders** (05 51 33 13)

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF	20" Wide Fixed Vertical Steel Ladder Primed	102.00	13.35
		For Galvanized Steel, Add	15.03	
		For Aluminum, Add	30.06	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0003		VLFF 24" Wide Fixed Vertical Steel Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	117.23 18.84 37.67	13.35
05 51 33 13-0004		VLFF 20" Wide Fixed Vertical Steel Caged Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	245.53 43.65 87.30	22.25
05 51 33 13-0005		VLFF 24" Wide Fixed Vertical Steel Caged Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	276.00 51.27 102.54	22.25
05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)				
05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	416.34 83.22 166.45	41.72
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	456.17 91.79 183.58	44.51
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	503.77	13.91
05 51 33 13-0010	EA	6' Powder Coated, Security Ladder Guard	1,349.15	83.45
05 51 33 13-0011	EA	8' Powder Coated, Security Ladder Guard	1,614.40	97.36
05 51 33 13-0012	EA	Safety Chain Attachment	247.44	
05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)				
Note: For existing fixed ladders up to 20" wide. Excludes the ladder.				
05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)				
05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,289.26	166.90
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,488.04	172.47
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,646.04	178.03
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,814.91	183.59
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,913.06	189.15
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,073.77	194.72
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,215.45	200.28
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,400.64	205.85
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,580.39	211.41
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,727.51	216.97
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,907.25	222.53
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,081.56	228.10
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,253.15	233.66
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,566.16	239.23
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,658.88	244.78
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,819.59	250.35
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,966.70	255.91
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,102.93	261.48
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,407.79	267.04
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,571.22	272.61
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,723.77	278.16
05 51 33 13-0036 Welded Stainless Steel Ladder Cages (05 51 33 13-0013)				
05 51 33 13-0037	EA	7-1/2' Length, Welded Stainless Steel Ladder Cage	5,751.44	166.90
05 51 33 13-0038	EA	8-1/2' Length, Welded Stainless Steel Ladder Cage	6,146.04	172.47
05 51 33 13-0039	EA	9-1/2' Length, Welded Stainless Steel Ladder Cage	6,804.46	178.03
05 51 33 13-0040	EA	10-1/2' Length, Welded Stainless Steel Ladder Cage	7,128.35	183.59
05 51 33 13-0041	EA	11-1/2' Length, Welded Stainless Steel Ladder Cage	7,400.57	189.15
05 51 33 13-0042	EA	12-1/2' Length, Welded Stainless Steel Ladder Cage	7,762.54	194.72
05 51 33 13-0043	EA	13-1/2' Length, Welded Stainless Steel Ladder Cage	8,415.52	200.28
05 51 33 13-0044	EA	14-1/2' Length, Welded Stainless Steel Ladder Cage	8,744.85	205.85
05 51 33 13-0045	EA	15-1/2' Length, Welded Stainless Steel Ladder Cage	9,085.06	211.41
05 51 33 13-0046	EA	16-1/2' Length, Welded Stainless Steel Ladder Cage	9,457.91	216.97
05 51 33 13-0047	EA	17-1/2' Length, Welded Stainless Steel Ladder Cage	10,124.48	222.53
05 51 33 13-0048	EA	18-1/2' Length, Welded Stainless Steel Ladder Cage	10,456.54	228.10
05 51 33 13-0049	EA	19-1/2' Length, Welded Stainless Steel Ladder Cage	10,772.27	233.66
05 51 33 13-0050	EA	20-1/2' Length, Welded Stainless Steel Ladder Cage	11,297.42	239.23
05 51 33 13-0051	EA	21-1/2' Length, Welded Stainless Steel Ladder Cage	11,887.84	244.78
05 51 33 13-0052	EA	22-1/2' Length, Welded Stainless Steel Ladder Cage	12,214.46	250.35
05 51 33 13-0053	EA	23-1/2' Length, Welded Stainless Steel Ladder Cage	12,549.22	255.91
05 51 33 13-0054	EA	24-1/2' Length, Welded Stainless Steel Ladder Cage	12,862.24	261.48
05 51 33 13-0055	EA	25-1/2' Length, Welded Stainless Steel Ladder Cage	13,670.24	267.04
05 51 33 13-0056	EA	26-1/2' Length, Welded Stainless Steel Ladder Cage	13,983.25	272.61
05 51 33 13-0057	EA	27-1/2' Length, Welded Stainless Steel Ladder Cage	14,304.42	278.16
05 51 33 16 Inclined Metal Ladders (05 51 33)				
05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16)				
Note: Includes factory prime.				
05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side..... <i>For Aluminum, Add</i>	353.78 121.26	55.63
05 51 33 23 Alternating Tread Ladders (05 51 33)				

05 Metals**05 50 Metal Fabrications****05 51 Metal Stairs**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 51 33 23-0001	Vertical Ladders With Alternating Tread (05 51 33 23)		
05 51 33 23-0002	EA 4' Vertical Height Aluminum Alternating Tread Ladder	2,885.14	166.90
	For Stainless Steel, Add	279.46	
	For Primed Steel, Deduct	-232.88	
05 51 33 23-0003	EA 5' Vertical Height Aluminum Alternating Tread Ladder	3,317.52	176.91
	For Stainless Steel, Add	340.51	
	For Primed Steel, Deduct	-265.60	
05 51 33 23-0004	EA 6' Vertical Height Aluminum Alternating Tread Ladder	3,703.02	176.91
	For Stainless Steel, Add	404.25	
	For Primed Steel, Deduct	-295.41	
05 51 33 23-0005	EA 7' Vertical Height Aluminum Alternating Tread Ladder	4,207.94	222.32
	For Stainless Steel, Add	467.93	
	For Primed Steel, Deduct	-320.62	
05 51 33 23-0006	EA 8' Vertical Height Aluminum Alternating Tread Ladder	4,635.13	230.19
	For Stainless Steel, Add	541.49	
	For Primed Steel, Deduct	-348.10	
05 51 33 23-0007	EA 9' Vertical Height Aluminum Alternating Tread Ladder	4,975.76	230.19
	For Stainless Steel, Add	610.22	
	For Primed Steel, Deduct	-368.24	
05 51 33 23-0008	EA 10' Vertical Height Aluminum Alternating Tread Ladder	5,460.17	256.77
	For Stainless Steel, Add	690.64	
	For Primed Steel, Deduct	-391.36	
05 51 33 23-0009	EA 11' Vertical Height Aluminum Alternating Tread Ladder	5,841.81	256.77
	For Stainless Steel, Add	772.81	
	For Primed Steel, Deduct	-411.34	
05 51 33 23-0010	EA 12' Vertical Height Aluminum Alternating Tread Ladder	6,138.74	256.77
	For Stainless Steel, Add	845.25	
	For Primed Steel, Deduct	-422.63	

05 52 Metal Railings (05 50)**05 52 13 Pipe and Tube Railings (05 52)**

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing (05 52 13)

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and one rail.

05 52 13 00-0003	LF 1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	38.85	11.13
	For Schedule 80 Handrail, Add	5.43	
	For 11 Gauge A513 Steel Tubing, Deduct	-3.65	
	For 12 Gauge A513 Steel Tubing, Deduct	-4.15	
	For 14 Gauge A513 Steel Tubing, Deduct	-5.48	
	For 16 Gauge A513 Steel Tubing, Deduct	-6.47	
	For ADA Handrail P-Loop End Return, Add Per Each	80.10	
	For Additional Off Set Handrail, ADA Attachment, Add	14.41	
	For Aluminum, Satin Finish, Add	6.97	
	For Aluminum, Clear Anodized Finish, Add	10.79	
	For Aluminum, Dark Anodized Finish, Add	12.45	
	For Galvanizing, Add	6.64	
	For Wrought Iron, Add	3.89	
	For Solid Steel Rails, Add	7.77	
	For 304 Stainless Steel, Add	53.12	
	For 316 Stainless Steel, Add	59.76	
	For 2" Wheel Guard, Add	1.58	
	For 4" High Kick Plate, Add	2.08	
	For 6" High Kick Plate, Add	3.32	
	For Curved Rail, Add	16.64	
	For Mounting On Stairs, Add	11.66	
	For Mounting On Slopes, Add	3.89	
	For Post Base Flange With Screws, Add Per Post	19.73	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.84	
	For Custom Design Or Shapes (Square Tops, etc), Add	13.86	
	For Nylon Coating, Add	2.49	

			Metals 05		05
			Metal Fabrications	05 50	
			Metal Railings	05 52	
MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST	
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	41.71		11.13
		For Schedule 80 Handrail, Add	8.74		
		For 11 Gauge A513 Steel Tubing, Deduct	-4.28		
		For 12 Gauge A513 Steel Tubing, Deduct	-4.87		
		For 14 Gauge A513 Steel Tubing, Deduct	-6.42		
		For 16 Gauge A513 Steel Tubing, Deduct	-7.59		
		For ADA Handrail P-Loop End Return, Add Per Each	95.56		
		For Additional Off Set Handrail, ADA Attachment, Add	16.13		
		For Aluminum, Satin Finish, Add	8.17		
		For Aluminum, Clear Anodized Finish, Add	12.65		
		For Aluminum, Dark Anodized Finish, Add	14.60		
		For Galvanizing, Add	7.78		
		For Wrought Iron, Add	4.17		
		For Solid Steel Rails, Add	8.34		
		For 304 Stainless Steel, Add	62.27		
		For 316 Stainless Steel, Add	70.06		
		For 2" Wheel Guard, Add	1.85		
		For 4" High Kick Plate, Add	2.43		
		For 6" High Kick Plate, Add	3.89		
		For Curved Rail, Add	18.35		
		For Mounting On Stairs, Add	12.51		
		For Mounting On Slopes, Add	4.17		
		For Post Base Flange With Screws, Add Per Post	19.73		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.84		
		For Custom Design Or Shapes (Square Tops, etc), Add	15.29		
		For Nylon Coating, Add	2.92		
05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	44.57		11.13
		For Schedule 80 Handrail, Add	8.74		
		For 11 Gauge A513 Steel Tubing, Deduct	-4.91		
		For 12 Gauge A513 Steel Tubing, Deduct	-5.58		
		For 14 Gauge A513 Steel Tubing, Deduct	-7.37		
		For 16 Gauge A513 Steel Tubing, Deduct	-8.70		
		For ADA Handrail P-Loop End Return, Add Per Each	107.84		
		For Additional Off Set Handrail, ADA Attachment, Add	17.84		
		For Aluminum, Satin Finish, Add	9.37		
		For Aluminum, Clear Anodized Finish, Add	14.51		
		For Aluminum, Dark Anodized Finish, Add	16.74		
		For Galvanizing, Add	8.93		
		For Wrought Iron, Add	4.46		
		For Solid Steel Rails, Add	8.91		
		For 304 Stainless Steel, Add	71.42		
		For 316 Stainless Steel, Add	80.35		
		For 2" Wheel Guard, Add	2.12		
		For 4" High Kick Plate, Add	2.79		
		For 6" High Kick Plate, Add	4.46		
		For Curved Rail, Add	20.07		
		For Mounting On Stairs, Add	13.37		
		For Mounting On Slopes, Add	4.46		
		For Post Base Flange With Screws, Add Per Post	19.73		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.84		
		For Custom Design Or Shapes (Square Tops, etc), Add	16.72		
		For Nylon Coating, Add	3.35		
05 52 13 00-0006	LF	2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	49.53		11.13
		For Schedule 80 Handrail, Add	10.07		
		For 11 Gauge A513 Steel Tubing, Deduct	-6.00		
		For 12 Gauge A513 Steel Tubing, Deduct	-6.82		
		For 14 Gauge A513 Steel Tubing, Deduct	-9.00		
		For 16 Gauge A513 Steel Tubing, Deduct	-10.64		
		For ADA Handrail P-Loop End Return, Add Per Each	130.53		
		For Additional Off Set Handrail, ADA Attachment, Add	20.82		
		For Aluminum, Satin Finish, Add	11.46		
		For Aluminum, Clear Anodized Finish, Add	17.73		
		For Aluminum, Dark Anodized Finish, Add	20.46		
		For Galvanizing, Add	10.91		
		For Wrought Iron, Add	4.95		
		For Solid Steel Rails, Add	9.91		
		For 304 Stainless Steel, Add	87.30		
		For 316 Stainless Steel, Add	98.21		
		For 2" Wheel Guard, Add	2.59		
		For 4" High Kick Plate, Add	3.41		
		For 6" High Kick Plate, Add	5.46		
		For Curved Rail, Add	23.04		
		For Mounting On Stairs, Add	14.86		
		For Mounting On Slopes, Add	4.95		
		For Post Base Flange With Screws, Add Per Post	19.73		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.84		
		For Custom Design Or Shapes (Square Tops, etc), Add	19.20		
		For Nylon Coating, Add	4.09		

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	55.47	11.13
		For Schedule 80 Handrail, Add	11.42	
		For 11 Gauge A513 Steel Tubing, Deduct	-7.31	
		For 12 Gauge A513 Steel Tubing, Deduct	-8.31	
		For 14 Gauge A513 Steel Tubing, Deduct	-10.96	
		For 16 Gauge A513 Steel Tubing, Deduct	-12.96	
		For ADA Handrail P-Loop End Return, Add Per Each	179.05	
		For Additional Off Set Handrail, ADA Attachment, Add	24.38	
		For Aluminum, Satin Finish, Add	13.95	
		For Aluminum, Clear Anodized Finish, Add	21.59	
		For Aluminum, Dark Anodized Finish, Add	24.92	
		For Galvanizing, Add	13.29	
		For Wrought Iron, Add	5.55	
		For Solid Steel Rails, Add	11.09	
		For 304 Stainless Steel, Add	106.30	
		For 316 Stainless Steel, Add	119.59	
		For 2" Wheel Guard, Add	3.16	
		For 4" High Kick Plate, Add	4.15	
		For 6" High Kick Plate, Add	6.64	
		For Curved Rail, Add	26.61	
		For Mounting On Stairs, Add	16.64	
		For Mounting On Slopes, Add	5.55	
		For Post Base Flange With Screws, Add Per Post	19.73	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.84	
		For Custom Design Or Shapes (Square Tops, etc), Add	22.17	
		For Nylon Coating, Add	4.98	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and two rails.

05 52 13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	51.29	11.13
		For Schedule 80 Handrail, Add	5.43	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
		For 11 Gauge A513 Steel Tubing, Deduct	-6.39	
		For 12 Gauge A513 Steel Tubing, Deduct	-7.26	
		For 14 Gauge A513 Steel Tubing, Deduct	-9.58	
		For 16 Gauge A513 Steel Tubing, Deduct	-11.33	
		For ADA Handrail P-Loop End Return, Add Per Each	80.10	
		For Additional Off Set Handrail, ADA Attachment, Add	14.41	
		For Aluminum, Satin Finish, Add	12.20	
		For Aluminum, Clear Anodized Finish, Add	18.88	
		For Aluminum, Dark Anodized Finish, Add	21.78	
		For Galvanizing, Add	11.62	
		For Wrought Iron, Add	5.13	
		For Solid Steel Rails, Add	10.26	
		For 304 Stainless Steel, Add	92.93	
		For 316 Stainless Steel, Add	104.54	
		For 2" Wheel Guard, Add	2.76	
		For 4" High Kick Plate, Add	3.63	
		For 6" High Kick Plate, Add	5.81	
		For Curved Rail, Add	24.10	
		For Mounting On Stairs, Add	15.39	
		For Mounting On Slopes, Add	5.13	
		For Post Base Flange With Screws, Add Per Post	19.73	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.84	
		For Custom Design Or Shapes (Square Tops, etc), Add	20.08	
		For Nylon Coating, Add	4.36	

			Metals 05		05
			Metal Fabrications 05 50		
			Metal Railings 05 52		
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	56.30		11.13
		For Schedule 80 Handrail, Add	8.74		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68		
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.02		
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	67.71		
		For 11 Gauge A513 Steel Tubing, Deduct	-7.49		
		For 12 Gauge A513 Steel Tubing, Deduct	-8.51		
		For 14 Gauge A513 Steel Tubing, Deduct	-11.24		
		For 16 Gauge A513 Steel Tubing, Deduct	-13.28		
		For ADA Handrail P-Loop End Return, Add Per Each	95.56		
		For Additional Off Set Handrail, ADA Attachment, Add	16.13		
		For Aluminum, Satin Finish, Add	14.30		
		For Aluminum, Clear Anodized Finish, Add	22.13		
		For Aluminum, Dark Anodized Finish, Add	25.54		
		For Galvanizing, Add	13.62		
		For Wrought Iron, Add	5.63		
		For Solid Steel Rails, Add	11.26		
		For 304 Stainless Steel, Add	108.96		
		For 316 Stainless Steel, Add	122.58		
		For 2" Wheel Guard, Add	3.23		
		For 4" High Kick Plate, Add	4.26		
		For 6" High Kick Plate, Add	6.81		
		For Curved Rail, Add	27.11		
		For Mounting On Stairs, Add	16.89		
		For Mounting On Slopes, Add	5.63		
		For Post Base Flange With Screws, Add Per Post	19.73		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.84		
		For Custom Design Or Shapes (Square Tops, etc), Add	22.59		
		For Nylon Coating, Add	5.11		
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	61.30		11.13
		For Schedule 80 Handrail, Add	8.74		
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71		
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27		
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82		
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92		
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54		
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14		
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19		
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94		
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68		
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.02		
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	67.71		
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	105.34		
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.28		
		For 11 Gauge A513 Steel Tubing, Deduct	-8.59		
		For 12 Gauge A513 Steel Tubing, Deduct	-9.76		
		For 14 Gauge A513 Steel Tubing, Deduct	-12.89		
		For 16 Gauge A513 Steel Tubing, Deduct	-15.23		
		For ADA Handrail P-Loop End Return, Add Per Each	107.84		
		For Additional Off Set Handrail, ADA Attachment, Add	17.84		
		For Aluminum, Satin Finish, Add	16.40		
		For Aluminum, Clear Anodized Finish, Add	25.38		
		For Aluminum, Dark Anodized Finish, Add	29.29		
		For Galvanizing, Add	15.62		
		For Wrought Iron, Add	6.13		
		For Solid Steel Rails, Add	12.26		
		For 304 Stainless Steel, Add	124.96		
		For 316 Stainless Steel, Add	140.58		
		For 2" Wheel Guard, Add	3.71		
		For 4" High Kick Plate, Add	4.88		
		For 6" High Kick Plate, Add	7.81		
		For Curved Rail, Add	30.11		
		For Mounting On Stairs, Add	18.39		
		For Mounting On Slopes, Add	6.13		
		For Post Base Flange With Screws, Add Per Post	19.73		
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.84		
		For Custom Design Or Shapes (Square Tops, etc), Add	25.09		
		For Nylon Coating, Add	5.86		

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 52 13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	69.98	11.13
		For Schedule 80 Handrail, Add	10.07	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.02	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	67.71	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	105.34	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.28	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	133.24	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	94.21	
		For 11 Gauge A513 Steel Tubing, Deduct	-10.50	
		For 12 Gauge A513 Steel Tubing, Deduct	-11.93	
		For 14 Gauge A513 Steel Tubing, Deduct	-15.75	
		For 16 Gauge A513 Steel Tubing, Deduct	-18.61	
		For ADA Handrail P-Loop End Return, Add Per Each	130.53	
		For Additional Off Set Handrail, ADA Attachment, Add	20.82	
		For Aluminum, Satin Finish, Add	20.05	
		For Aluminum, Clear Anodized Finish, Add	31.02	
		For Aluminum, Dark Anodized Finish, Add	35.80	
		For Galvanizing, Add	19.09	
		For Wrought Iron, Add	7.00	
		For Solid Steel Rails, Add	14.00	
		For 304 Stainless Steel, Add	152.74	
		For 316 Stainless Steel, Add	171.83	
		For 2" Wheel Guard, Add	4.53	
		For 4" High Kick Plate, Add	5.97	
		For 6" High Kick Plate, Add	9.55	
		For Curved Rail, Add	35.31	
		For Mounting On Stairs, Add	20.99	
		For Mounting On Slopes, Add	7.00	
		For Post Base Flange With Screws, Add Per Post	19.73	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.84	
		For Custom Design Or Shapes (Square Tops, etc), Add	29.43	
		For Nylon Coating, Add	7.16	
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	80.38	11.13
		For Schedule 80 Handrail, Add	11.42	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.02	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	67.71	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	105.34	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.28	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	133.24	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	94.21	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	135.40	
		For 11 Gauge A513 Steel Tubing, Deduct	-12.79	
		For 12 Gauge A513 Steel Tubing, Deduct	-14.53	
		For 14 Gauge A513 Steel Tubing, Deduct	-19.18	
		For 16 Gauge A513 Steel Tubing, Deduct	-22.67	
		For ADA Handrail P-Loop End Return, Add Per Each	179.05	
		For Additional Off Set Handrail, ADA Attachment, Add	24.38	
		For Aluminum, Satin Finish, Add	24.41	
		For Aluminum, Clear Anodized Finish, Add	37.78	
		For Aluminum, Dark Anodized Finish, Add	43.60	
		For Galvanizing, Add	23.25	
		For Wrought Iron, Add	8.04	
		For Solid Steel Rails, Add	16.08	
		For 304 Stainless Steel, Add	186.02	
		For 316 Stainless Steel, Add	209.27	
		For 2" Wheel Guard, Add	5.52	
		For 4" High Kick Plate, Add	7.27	
		For 6" High Kick Plate, Add	11.63	
		For Curved Rail, Add	41.55	
		For Mounting On Stairs, Add	24.11	
		For Mounting On Slopes, Add	8.04	
		For Post Base Flange With Screws, Add Per Post	19.73	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.84	
		For Custom Design Or Shapes (Square Tops, etc), Add	34.63	
		For Nylon Coating, Add	8.72	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and three rails.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015	LF		1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	80.06	13.35
			For Schedule 80 Handrail, Add	7.81	
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
			For 11 Gauge A513 Steel Tubing, Deduct	-11.74	
			For 12 Gauge A513 Steel Tubing, Deduct	-13.34	
			For 14 Gauge A513 Steel Tubing, Deduct	-17.61	
			For 16 Gauge A513 Steel Tubing, Deduct	-20.81	
			For ADA Handrail P-Loop End Return, Add Per Each	80.10	
			For Additional Off Set Handrail, ADA Attachment, Add	15.30	
			For Aluminum, Satin Finish, Add	22.41	
			For Aluminum, Clear Anodized Finish, Add	34.68	
			For Aluminum, Dark Anodized Finish, Add	40.02	
			For Galvanizing, Add	21.34	
			For Wrought Iron, Add	8.01	
			For Solid Steel Rails, Add	16.01	
			For 304 Stainless Steel, Add	170.75	
			For 316 Stainless Steel, Add	192.10	
			For 2" Wheel Guard, Add	5.07	
			For 4" High Kick Plate, Add	6.67	
			For 6" High Kick Plate, Add	10.67	
			For Curved Rail, Add	40.03	
			For Mounting On Stairs, Add	24.02	
			For Mounting On Slopes, Add	8.01	
			For Post Base Flange With Screws, Add Per Post	20.17	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.51	
			For Custom Design Or Shapes (Square Tops, etc), Add	33.36	
			For Nylon Coating, Add	8.00	
05 52 13 00-0016	LF		1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	89.25	13.35
			For Schedule 80 Handrail, Add	12.22	
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.02	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	67.71	
			For 11 Gauge A513 Steel Tubing, Deduct	-13.76	
			For 12 Gauge A513 Steel Tubing, Deduct	-15.64	
			For 14 Gauge A513 Steel Tubing, Deduct	-20.64	
			For 16 Gauge A513 Steel Tubing, Deduct	-24.39	
			For ADA Handrail P-Loop End Return, Add Per Each	95.56	
			For Additional Off Set Handrail, ADA Attachment, Add	17.02	
			For Aluminum, Satin Finish, Add	26.27	
			For Aluminum, Clear Anodized Finish, Add	40.66	
			For Aluminum, Dark Anodized Finish, Add	46.91	
			For Galvanizing, Add	25.02	
			For Wrought Iron, Add	8.93	
			For Solid Steel Rails, Add	17.85	
			For 304 Stainless Steel, Add	200.16	
			For 316 Stainless Steel, Add	225.18	
			For 2" Wheel Guard, Add	5.94	
			For 4" High Kick Plate, Add	7.82	
			For 6" High Kick Plate, Add	12.51	
			For Curved Rail, Add	45.54	
			For Mounting On Stairs, Add	26.78	
			For Mounting On Slopes, Add	8.93	
			For Post Base Flange With Screws, Add Per Post	20.17	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.51	
			For Custom Design Or Shapes (Square Tops, etc), Add	37.95	
			For Nylon Coating, Add	9.38	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	98.44	13.35
		For Schedule 80 Handrail, Add	12.22	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.02	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	67.71	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	105.34	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.28	
		For 11 Gauge A513 Steel Tubing, Deduct	-15.78	
		For 12 Gauge A513 Steel Tubing, Deduct	-17.94	
		For 14 Gauge A513 Steel Tubing, Deduct	-23.67	
		For 16 Gauge A513 Steel Tubing, Deduct	-27.98	
		For ADA Handrail P-Loop End Return, Add Per Each	107.84	
		For Additional Off Set Handrail, ADA Attachment, Add	18.73	
		For Aluminum, Satin Finish, Add	30.13	
		For Aluminum, Clear Anodized Finish, Add	46.63	
		For Aluminum, Dark Anodized Finish, Add	53.81	
		For Galvanizing, Add	28.70	
		For Wrought Iron, Add	9.84	
		For Solid Steel Rails, Add	19.69	
		For 304 Stainless Steel, Add	229.57	
		For 316 Stainless Steel, Add	258.26	
		For 2" Wheel Guard, Add	6.82	
		For 4" High Kick Plate, Add	8.97	
		For 6" High Kick Plate, Add	14.35	
		For Curved Rail, Add	51.05	
		For Mounting On Stairs, Add	29.53	
		For Mounting On Slopes, Add	9.84	
		For Post Base Flange With Screws, Add Per Post	20.17	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.51	
		For Custom Design Or Shapes (Square Tops, etc), Add	42.55	
		For Nylon Coating, Add	10.76	
05 52 13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	114.41	13.35
		For Schedule 80 Handrail, Add	14.00	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.02	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	67.71	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	105.34	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.28	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	133.24	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	94.21	
		For 11 Gauge A513 Steel Tubing, Deduct	-19.30	
		For 12 Gauge A513 Steel Tubing, Deduct	-21.93	
		For 14 Gauge A513 Steel Tubing, Deduct	-28.94	
		For 16 Gauge A513 Steel Tubing, Deduct	-34.21	
		For ADA Handrail P-Loop End Return, Add Per Each	130.53	
		For Additional Off Set Handrail, ADA Attachment, Add	21.71	
		For Aluminum, Satin Finish, Add	36.84	
		For Aluminum, Clear Anodized Finish, Add	57.01	
		For Aluminum, Dark Anodized Finish, Add	65.78	
		For Galvanizing, Add	35.08	
		For Wrought Iron, Add	11.44	
		For Solid Steel Rails, Add	22.88	
		For 304 Stainless Steel, Add	280.67	
		For 316 Stainless Steel, Add	315.76	
		For 2" Wheel Guard, Add	8.33	
		For 4" High Kick Plate, Add	10.96	
		For 6" High Kick Plate, Add	17.54	
		For Curved Rail, Add	60.64	
		For Mounting On Stairs, Add	34.32	
		For Mounting On Slopes, Add	11.44	
		For Post Base Flange With Screws, Add Per Post	20.17	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.51	
		For Custom Design Or Shapes (Square Tops, etc), Add	50.53	
		For Nylon Coating, Add	13.16	

	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0019		LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	133.43	13.35
			For Schedule 80 Handrail, Add	15.80	
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.02	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	67.71	
			For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	105.34	
			For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.28	
			For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	133.24	
			For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	94.21	
			For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	135.40	
			For 11 Gauge A513 Steel Tubing, Deduct	-23.48	
			For 12 Gauge A513 Steel Tubing, Deduct	-26.68	
			For 14 Gauge A513 Steel Tubing, Deduct	-35.22	
			For 16 Gauge A513 Steel Tubing, Deduct	-41.62	
			For ADA Handrail P-Loop End Return, Add Per Each	179.05	
			For Additional Off Set Handrail, ADA Attachment, Add	25.27	
			For Aluminum, Satin Finish, Add	44.63	
			For Aluminum, Clear Anodized Finish, Add	69.37	
			For Aluminum, Dark Anodized Finish, Add	80.05	
			For Galvanizing, Add	42.69	
			For Wrought Iron, Add	13.34	
			For Solid Steel Rails, Add	26.69	
			For 304 Stainless Steel, Add	341.54	
			For 316 Stainless Steel, Add	384.23	
			For 2" Wheel Guard, Add	10.14	
			For 4" High Kick Plate, Add	13.34	
			For 6" High Kick Plate, Add	21.35	
			For Curved Rail, Add	72.05	
			For Mounting On Stairs, Add	40.03	
			For Mounting On Slopes, Add	13.34	
			For Post Base Flange With Screws, Add Per Post	20.17	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.51	
			For Custom Design Or Shapes (Square Tops, etc), Add	60.04	
			For Nylon Coating, Add	16.01	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and four rails.

05 52 13 00-0021		LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	96.65	15.57
			For Schedule 80 Handrail, Add	10.48	
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
			For 11 Gauge A513 Steel Tubing, Deduct	-14.41	
			For 12 Gauge A513 Steel Tubing, Deduct	-16.37	
			For 14 Gauge A513 Steel Tubing, Deduct	-21.61	
			For 16 Gauge A513 Steel Tubing, Deduct	-25.54	
			For ADA Handrail P-Loop End Return, Add Per Each	80.10	
			For Additional Off Set Handrail, ADA Attachment, Add	16.19	
			For Aluminum, Satin Finish, Add	27.51	
			For Aluminum, Clear Anodized Finish, Add	42.57	
			For Aluminum, Dark Anodized Finish, Add	49.12	
			For Galvanizing, Add	26.20	
			For Wrought Iron, Add	9.67	
			For Solid Steel Rails, Add	19.33	
			For 304 Stainless Steel, Add	209.57	
			For 316 Stainless Steel, Add	235.76	
			For 2" Wheel Guard, Add	6.22	
			For 4" High Kick Plate, Add	8.19	
			For 6" High Kick Plate, Add	13.10	
			For Curved Rail, Add	48.64	
			For Mounting On Stairs, Add	29.00	
			For Mounting On Slopes, Add	9.67	
			For Post Base Flange With Screws, Add Per Post	20.62	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.17	
			For Custom Design Or Shapes (Square Tops, etc), Add	40.54	
			For Nylon Coating, Add	9.82	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	104.81	15.57
		For Schedule 80 Handrail, Add	15.98	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.02	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	67.71	
		For 11 Gauge A513 Steel Tubing, Deduct	-16.20	
		For 12 Gauge A513 Steel Tubing, Deduct	-18.41	
		For 14 Gauge A513 Steel Tubing, Deduct	-24.30	
		For 16 Gauge A513 Steel Tubing, Deduct	-28.72	
		For ADA Handrail P-Loop End Return, Add Per Each	95.56	
		For Additional Off Set Handrail, ADA Attachment, Add	17.91	
		For Aluminum, Satin Finish, Add	30.93	
		For Aluminum, Clear Anodized Finish, Add	47.87	
		For Aluminum, Dark Anodized Finish, Add	55.24	
		For Galvanizing, Add	29.46	
		For Wrought Iron, Add	10.48	
		For Solid Steel Rails, Add	20.96	
		For 304 Stainless Steel, Add	235.68	
		For 316 Stainless Steel, Add	265.14	
		For 2" Wheel Guard, Add	7.00	
		For 4" High Kick Plate, Add	9.21	
		For 6" High Kick Plate, Add	14.73	
		For Curved Rail, Add	53.54	
		For Mounting On Stairs, Add	31.44	
		For Mounting On Slopes, Add	10.48	
		For Post Base Flange With Screws, Add Per Post	20.62	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.17	
		For Custom Design Or Shapes (Square Tops, etc), Add	44.62	
		For Nylon Coating, Add	11.05	
05 52 13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	112.97	15.57
		For Schedule 80 Handrail, Add	15.98	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.02	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	67.71	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	105.34	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.28	
		For 11 Gauge A513 Steel Tubing, Deduct	-18.00	
		For 12 Gauge A513 Steel Tubing, Deduct	-20.45	
		For 14 Gauge A513 Steel Tubing, Deduct	-27.00	
		For 16 Gauge A513 Steel Tubing, Deduct	-31.91	
		For ADA Handrail P-Loop End Return, Add Per Each	107.84	
		For Additional Off Set Handrail, ADA Attachment, Add	19.62	
		For Aluminum, Satin Finish, Add	34.36	
		For Aluminum, Clear Anodized Finish, Add	53.18	
		For Aluminum, Dark Anodized Finish, Add	61.36	
		For Galvanizing, Add	32.72	
		For Wrought Iron, Add	11.30	
		For Solid Steel Rails, Add	22.59	
		For 304 Stainless Steel, Add	261.79	
		For 316 Stainless Steel, Add	294.52	
		For 2" Wheel Guard, Add	7.77	
		For 4" High Kick Plate, Add	10.23	
		For 6" High Kick Plate, Add	16.36	
		For Curved Rail, Add	58.43	
		For Mounting On Stairs, Add	33.89	
		For Mounting On Slopes, Add	11.30	
		For Post Base Flange With Screws, Add Per Post	20.62	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.17	
		For Custom Design Or Shapes (Square Tops, etc), Add	48.70	
		For Nylon Coating, Add	12.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024	LF		2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	131.14	15.57
			For Schedule 80 Handrail, Add	18.21	
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.02	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	67.71	
			For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	105.34	
			For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.28	
			For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	133.24	
			For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	94.21	
			For 11 Gauge A513 Steel Tubing, Deduct	-22.00	
			For 12 Gauge A513 Steel Tubing, Deduct	-25.00	
			For 14 Gauge A513 Steel Tubing, Deduct	-32.99	
			For 16 Gauge A513 Steel Tubing, Deduct	-38.99	
			For ADA Handrail P-Loop End Return, Add Per Each	130.53	
			For Additional Off Set Handrail, ADA Attachment, Add	22.60	
			For Aluminum, Satin Finish, Add	41.99	
			For Aluminum, Clear Anodized Finish, Add	64.99	
			For Aluminum, Dark Anodized Finish, Add	74.99	
			For Galvanizing, Add	39.99	
			For Wrought Iron, Add	13.11	
			For Solid Steel Rails, Add	26.23	
			For 304 Stainless Steel, Add	319.94	
			For 316 Stainless Steel, Add	359.93	
			For 2" Wheel Guard, Add	9.50	
			For 4" High Kick Plate, Add	12.50	
			For 6" High Kick Plate, Add	20.00	
			For Curved Rail, Add	69.34	
			For Mounting On Stairs, Add	39.34	
			For Mounting On Slopes, Add	13.11	
			For Post Base Flange With Screws, Add Per Post	20.62	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.17	
			For Custom Design Or Shapes (Square Tops, etc), Add	57.78	
			For Nylon Coating, Add	15.00	
05 52 13 00-0025	LF		2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	152.44	15.57
			For Schedule 80 Handrail, Add	20.46	
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	58.71	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	43.27	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	27.82	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	69.92	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	51.54	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	33.14	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	92.19	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	67.94	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	43.68	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	92.02	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	67.71	
			For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	105.34	
			For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	76.28	
			For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	133.24	
			For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	94.21	
			For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	135.40	
			For 11 Gauge A513 Steel Tubing, Deduct	-26.68	
			For 12 Gauge A513 Steel Tubing, Deduct	-30.32	
			For 14 Gauge A513 Steel Tubing, Deduct	-40.02	
			For 16 Gauge A513 Steel Tubing, Deduct	-47.30	
			For ADA Handrail P-Loop End Return, Add Per Each	179.05	
			For Additional Off Set Handrail, ADA Attachment, Add	26.16	
			For Aluminum, Satin Finish, Add	50.94	
			For Aluminum, Clear Anodized Finish, Add	78.83	
			For Aluminum, Dark Anodized Finish, Add	90.96	
			For Galvanizing, Add	48.51	
			For Wrought Iron, Add	15.24	
			For Solid Steel Rails, Add	30.49	
			For 304 Stainless Steel, Add	388.10	
			For 316 Stainless Steel, Add	436.61	
			For 2" Wheel Guard, Add	11.52	
			For 4" High Kick Plate, Add	15.16	
			For 6" High Kick Plate, Add	24.26	
			For Curved Rail, Add	82.12	
			For Mounting On Stairs, Add	45.73	
			For Mounting On Slopes, Add	15.24	
			For Post Base Flange With Screws, Add Per Post	20.62	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.17	
			For Custom Design Or Shapes (Square Tops, etc), Add	68.43	
			For Nylon Coating, Add	18.19	
05 52 13 00-0026			Railing Infill Panels (05 52 13) Note: Includes field welds and touch-up of welds.		
05 52 13 00-0027			Wire Mesh Or Welded Wire Mesh, Railing Infill Panels (05 52 13 00-0026) Note: Square weave or square welded wire mesh.		
05 52 13 00-0028	SF		Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.42	
05 52 13 00-0029	SF		Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.37	

05 Metals**05 50 Metal Fabrications****05 52 Metal Railings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 52 13 00-0030	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	17.22	
05 52 13 00-0031	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	29.11	

05 52 13 00-0032 Perforated Metal, Railing Infill Panels (05 52 13 00-0026)

05 52 13 00-0033	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	15.12	
05 52 13 00-0034	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	15.64	
05 52 13 00-0035	SF	Aluminum, Perforated Metal, Railing Infill Panel	16.74	
05 52 13 00-0036	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	33.59	

05 52 13 00-0037 Expanded Metal, Railing Infill Panels (05 52 13 00-0026)

05 52 13 00-0038	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	6.82	
05 52 13 00-0039	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	13.94	
05 52 13 00-0040	SF	Aluminum, Expanded Metal, Railing Infill Panel.....	18.31	
05 52 13 00-0041	SF	Stainless Steel, Expanded Metal, Railing Infill Panel.....	27.29	

05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0043	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	38.92	6.68
		For Schedule 80 Handrail, Add	2.83	
		For 11 Gauge A513 Steel Tubing, Deduct	-4.89	
		For 12 Gauge A513 Steel Tubing, Deduct	-5.56	
		For 14 Gauge A513 Steel Tubing, Deduct	-7.34	
		For 16 Gauge A513 Steel Tubing, Deduct	-8.67	
		For Stainless Steel, Add	44.46	
		For Aluminum, Satin Finish, Add	9.34	
		For Curved Rail, Add	11.68	
		For Aluminum, Clear Anodized Finish, Add	14.45	
		For Aluminum, Dark Anodized Finish, Add	16.67	
		For Galvanized Finish, Add	6.67	
05 52 13 00-0044	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.64	6.68
		For Schedule 80 Handrail, Add	3.37	
		For 11 Gauge A513 Steel Tubing, Deduct	-5.05	
		For 12 Gauge A513 Steel Tubing, Deduct	-5.74	
		For 14 Gauge A513 Steel Tubing, Deduct	-7.57	
		For 16 Gauge A513 Steel Tubing, Deduct	-8.95	
		For Stainless Steel, Add	45.90	
		For Aluminum, Satin Finish, Add	9.64	
		For Curved Rail, Add	11.89	
		For Aluminum, Clear Anodized Finish, Add	14.92	
		For Aluminum, Dark Anodized Finish, Add	17.21	
		For Galvanized Finish, Add	6.89	
05 52 13 00-0045	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	40.36	6.68
		For Schedule 80 Handrail, Add	10.72	
		For 11 Gauge A513 Steel Tubing, Deduct	-5.21	
		For 12 Gauge A513 Steel Tubing, Deduct	-5.92	
		For 14 Gauge A513 Steel Tubing, Deduct	-7.81	
		For 16 Gauge A513 Steel Tubing, Deduct	-9.23	
		For Stainless Steel, Add	47.34	
		For Aluminum, Satin Finish, Add	9.94	
		For Curved Rail, Add	12.11	
		For Aluminum, Clear Anodized Finish, Add	15.39	
		For Aluminum, Dark Anodized Finish, Add	17.75	
		For Galvanized Finish, Add	7.10	
05 52 13 00-0046	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	48.60	6.68
		For Schedule 80 Handrail, Add	4.38	
		For 11 Gauge A513 Steel Tubing, Deduct	-7.02	
		For 12 Gauge A513 Steel Tubing, Deduct	-7.98	
		For 14 Gauge A513 Steel Tubing, Deduct	-10.53	
		For 16 Gauge A513 Steel Tubing, Deduct	-12.44	
		For Stainless Steel, Add	63.82	
		For Aluminum, Satin Finish, Add	13.40	
		For Curved Rail, Add	14.58	
		For Aluminum, Clear Anodized Finish, Add	20.74	
		For Aluminum, Dark Anodized Finish, Add	23.93	
		For Galvanized Finish, Add	9.57	
05 52 13 00-0047	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	55.42	6.68
		For Schedule 80 Handrail, Add	4.83	
		For 11 Gauge A513 Steel Tubing, Deduct	-8.52	
		For 12 Gauge A513 Steel Tubing, Deduct	-9.68	
		For 14 Gauge A513 Steel Tubing, Deduct	-12.78	
		For 16 Gauge A513 Steel Tubing, Deduct	-15.10	
		For Stainless Steel, Add	77.46	
		For Aluminum, Satin Finish, Add	16.27	
		For Curved Rail, Add	16.63	
		For Aluminum, Clear Anodized Finish, Add	25.17	
		For Aluminum, Dark Anodized Finish, Add	29.05	
		For Galvanized Finish, Add	11.62	

05 52 13 00-0048 Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)

Note: Includes factory primed, fasteners and field touch-up of welds.

		Metals 05		05
		Metal Fabrications	05 50	
		Metal Railings	05 52	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
05 52 13 00-0049	LF 1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	47.35		7.01
	For Schedule 80 Handrail, Add	2.83		
	For 11 Gauge A513 Steel Tubing, Deduct	-6.75		
	For 12 Gauge A513 Steel Tubing, Deduct	-7.67		
	For 14 Gauge A513 Steel Tubing, Deduct	-10.12		
	For 16 Gauge A513 Steel Tubing, Deduct	-11.96		
	For Stainless Steel, Add	61.32		
	For Aluminum, Satin Finish, Add	12.88		
	For Curved Rail, Add	14.21		
	For Aluminum, Clear Anodized Finish, Add	19.93		
	For Aluminum, Dark Anodized Finish, Add	23.00		
	For Galvanized Finish, Add	9.20		
05 52 13 00-0050	LF 1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.35		7.01
	For Schedule 80 Handrail, Add	3.37		
	For 11 Gauge A513 Steel Tubing, Deduct	-6.97		
	For 12 Gauge A513 Steel Tubing, Deduct	-7.92		
	For 14 Gauge A513 Steel Tubing, Deduct	-10.45		
	For 16 Gauge A513 Steel Tubing, Deduct	-12.35		
	For Stainless Steel, Add	63.32		
	For Aluminum, Satin Finish, Add	13.30		
	For Curved Rail, Add	14.51		
	For Aluminum, Clear Anodized Finish, Add	20.58		
	For Aluminum, Dark Anodized Finish, Add	23.75		
	For Galvanized Finish, Add	9.50		
05 52 13 00-0051	LF 1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	49.11		7.01
	For Schedule 80 Handrail, Add	10.72		
	For 11 Gauge A513 Steel Tubing, Deduct	-7.13		
	For 12 Gauge A513 Steel Tubing, Deduct	-8.11		
	For 14 Gauge A513 Steel Tubing, Deduct	-10.70		
	For 16 Gauge A513 Steel Tubing, Deduct	-12.64		
	For Stainless Steel, Add	64.84		
	For Aluminum, Satin Finish, Add	13.62		
	For Curved Rail, Add	14.73		
	For Aluminum, Clear Anodized Finish, Add	21.07		
	For Aluminum, Dark Anodized Finish, Add	24.32		
	For Galvanized Finish, Add	9.73		
05 52 13 00-0052	LF 2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	60.62		7.01
	For Schedule 80 Handrail, Add	4.38		
	For 11 Gauge A513 Steel Tubing, Deduct	-9.66		
	For 12 Gauge A513 Steel Tubing, Deduct	-10.98		
	For 14 Gauge A513 Steel Tubing, Deduct	-14.50		
	For 16 Gauge A513 Steel Tubing, Deduct	-17.13		
	For Stainless Steel, Add	87.86		
	For Aluminum, Satin Finish, Add	18.45		
	For Curved Rail, Add	18.19		
	For Aluminum, Clear Anodized Finish, Add	28.55		
	For Aluminum, Dark Anodized Finish, Add	32.95		
	For Galvanized Finish, Add	13.18		
05 52 13 00-0053	LF 2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	68.15		7.01
	For Schedule 80 Handrail, Add	4.83		
	For 11 Gauge A513 Steel Tubing, Deduct	-11.32		
	For 12 Gauge A513 Steel Tubing, Deduct	-12.87		
	For 14 Gauge A513 Steel Tubing, Deduct	-16.98		
	For 16 Gauge A513 Steel Tubing, Deduct	-20.07		
	For Stainless Steel, Add	102.92		
	For Aluminum, Satin Finish, Add	21.61		
	For Curved Rail, Add	20.45		
	For Aluminum, Clear Anodized Finish, Add	33.45		
	For Aluminum, Dark Anodized Finish, Add	38.60		
	For Galvanized Finish, Add	15.44		
05 52 13 00-0054	Remove/Reinstall Pipe Railing (05 52 13)			
05 52 13 00-0055	LF Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	25.04		
05 52 13 00-0056	LF Removal And Reinstallation Of Floor Mounted Pipe Railing	33.35		
05 52 13 00-0057	EA Install New Galvanized Steel Pipe Railing Bracket	67.28		
	For Stainless Steel, Add	67.80		
05 53 Metal Gratings (05 50)				
05 53 13 Bar Gratings (05 53)				
05 53 13 00-0001	Welded Grating (05 53 13)			
	Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.			
05 53 13 00-0002	Steel, Welded Grating (05 53 13 00-0001)			
	Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.			
05 53 13 00-0003	SF 3/4" x 1/8" Steel, Welded Grating	14.28		1.22
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
	For Galvanized Steel, Add	2.01		
	For 304 Stainless Steel, Add	37.97		
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
	For Bearing Bars At 15/16" On-Center, Add	3.45		
	For Crossbars At 2" On-Center, Add	1.28		
	For Set In Place Without Bolting Or Tack Welding, Deduct	-1.94		

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	19.18	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.84	
		For 304 Stainless Steel, Add	53.70	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	4.89	
		For Crossbars At 2" On-Center, Add	1.81	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.06	
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	17.43	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	2.55	
		For 304 Stainless Steel, Add	48.09	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	4.37	
		For Crossbars At 2" On-Center, Add	1.62	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.02	
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating.....	24.08	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.68	
		For 304 Stainless Steel, Add	69.43	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	6.32	
		For Crossbars At 2" On-Center, Add	2.34	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.18	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	30.72	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.81	
		For 304 Stainless Steel, Add	90.75	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	8.25	
		For Crossbars At 2" On-Center, Add	3.05	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.35	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	20.61	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.09	
		For 304 Stainless Steel, Add	58.29	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	5.30	
		For Crossbars At 2" On-Center, Add	1.96	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.10	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	28.69	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.46	
		For 304 Stainless Steel, Add	84.23	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	7.66	
		For Crossbars At 2" On-Center, Add	2.83	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.30	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	23.80	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.63	
		For 304 Stainless Steel, Add	68.53	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	6.23	
		For Crossbars At 2" On-Center, Add	2.31	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.18	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	34.11	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	5.29	
		For 304 Stainless Steel, Add	99.86	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	9.08	
		For Crossbars At 2" On-Center, Add	3.36	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.79	
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	44.22	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	7.01	
		For 304 Stainless Steel, Add	132.32	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	12.04	
		For Crossbars At 2" On-Center, Add	4.45	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.04	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	39.04	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	6.13	
		For 304 Stainless Steel, Add	115.69	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	10.52	
		For Crossbars At 2" On-Center, Add	3.89	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0014	SF		2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	43.66 0.22 6.91 130.52 11.87 4.39 0.16 -3.03	1.50
05 53 13 00-0015	SF		2-1/4" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	48.56 0.22 7.75 146.25 13.30 4.92 0.16 -3.15	1.50
05 53 13 00-0016	SF		2-1/2" x 3/16" Steel, Welded Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	53.18 0.22 8.53 161.08 14.65 5.42 0.16 -3.26	1.50
05 53 13 00-0017			Pressure Locked Grating (05 53 13) Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018			Steel, Pressure Locked Grating (05 53 13 00-0017) Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019	SF		3/4" x 1/8" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	27.12 0.22 4.05 46.16 7.20 2.66 -2.26	1.22
05 53 13 00-0020	SF		3/4" x 3/16" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	33.42 0.22 5.08 57.94 9.04 3.34 -2.42	1.22
05 53 13 00-0021	SF		1" x 1/8" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	29.81 0.22 4.49 51.19 7.99 2.95 0.16 -2.33	1.22
05 53 13 00-0022	SF		1" x 3/16" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 7/16" On-Center, Add For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	40.63 0.22 6.26 71.43 55.36 11.15 4.12 0.16 -2.60	1.22
05 53 13 00-0023	SF		1-1/4" x 1/8" Steel, Pressure Locked Grating For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	33.42 0.22 5.08 57.94 9.04 3.34 0.16 -2.42	1.22

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 53 13 00-0024	SF 1-1/4" x 3/16" Steel, Pressure Locked Grating.....	45.63	1.22
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	7.08	
	For 304 Stainless Steel, Add	80.79	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	12.61	
	For Crossbars At 2" On-Center, Add	4.66	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-2.72	
05 53 13 00-0025	SF 1-1/2" x 1/8" Steel, Pressure Locked Grating.....	37.20	1.22
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	5.70	
	For 304 Stainless Steel, Add	65.02	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	10.15	
	For Crossbars At 2" On-Center, Add	3.75	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-2.51	
05 53 13 00-0026	SF 1-1/2" x 3/16" Steel, Pressure Locked Grating.....	51.43	1.50
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	7.94	
	For 304 Stainless Steel, Add	90.61	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 7/16" On-Center, Add	70.22	
	For Bearing Bars At 15/16" On-Center, Add	14.14	
	For Crossbars At 2" On-Center, Add	5.23	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-3.22	
05 53 13 00-0027	SF 1-3/4" x 3/16" Steel, Pressure Locked Grating.....	56.71	1.50
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	8.81	
	For 304 Stainless Steel, Add	100.49	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	15.68	
	For Crossbars At 2" On-Center, Add	5.80	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-3.35	
05 53 13 00-0028	SF 2" x 3/16" Steel, Pressure Locked Grating.....	61.02	1.50
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	9.52	
	For 304 Stainless Steel, Add	108.56	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	16.94	
	For Crossbars At 2" On-Center, Add	6.27	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-3.46	
05 53 13 00-0029	SF 2-1/4" x 3/16" Steel, Pressure Locked Grating.....	65.15	1.50
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	10.19	
	For 304 Stainless Steel, Add	116.28	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	18.15	
	For Crossbars At 2" On-Center, Add	6.71	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-3.56	
05 53 13 00-0030	SF 2-1/2" x 3/16" Steel, Pressure Locked Grating.....	68.72	1.50
	For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
	For Galvanized Steel, Add	10.78	
	For 304 Stainless Steel, Add	122.96	
	Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
	For Bearing Bars At 15/16" On-Center, Add	19.19	
	For Crossbars At 2" On-Center, Add	7.10	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting Or Tack Welding, Deduct	-3.65	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating
(05 53 13 00-0017)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0032	SF 3/4" x 1/8" Aluminum, Pressure Locked Grating.....	17.23	1.22
	For Bearing Bars At 15/16" On-Center, Add	4.32	
	For Crossbars At 2" On-Center, Add	1.60	
	For Set In Place Without Bolting, Deduct	-2.01	
	For Powder Coating, Add	2.22	
05 53 13 00-0033	SF 3/4" x 3/16" Aluminum, Pressure Locked Grating.....	23.29	1.22
	For Bearing Bars At 15/16" On-Center, Add	6.09	
	For Crossbars At 2" On-Center, Add	2.25	
	For Set In Place Without Bolting, Deduct	-2.16	
	For Powder Coating, Add	3.13	
05 53 13 00-0034	SF 1" x 1/8" Aluminum, Pressure Locked Grating.....	21.99	1.22
	For Bearing Bars At 15/16" On-Center, Add	5.71	
	For Crossbars At 2" On-Center, Add	2.11	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting, Deduct	-2.13	
	For Powder Coating, Add	2.93	
05 53 13 00-0035	SF 1" x 3/16" Aluminum, Pressure Locked Grating.....	29.83	1.22
	For Bearing Bars At 7/16" On-Center, Add	39.70	
	For Bearing Bars At 15/16" On-Center, Add	7.99	
	For Crossbars At 2" On-Center, Add	2.96	
	For Serrated Wear Surface, Add	0.16	
	For Set In Place Without Bolting, Deduct	-2.33	
	For Powder Coating, Add	4.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating.....	25.44	1.22	
		For Bearing Bars At 15/16" On-Center, Add	6.71		
		For Crossbars At 2" On-Center, Add	2.48		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.22		
		For Powder Coating, Add	3.45		
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	33.98	1.22	
		For Bearing Bars At 15/16" On-Center, Add	9.21		
		For Crossbars At 2" On-Center, Add	3.41		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.43		
		For Powder Coating, Add	4.73		
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating.....	28.68	1.22	
		For Bearing Bars At 15/16" On-Center, Add	7.66		
		For Crossbars At 2" On-Center, Add	2.83		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.30		
		For Powder Coating, Add	3.93		
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	38.26	1.22	
		For Bearing Bars At 7/16" On-Center, Add	51.92		
		For Bearing Bars At 15/16" On-Center, Add	10.46		
		For Crossbars At 2" On-Center, Add	3.87		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.54		
		For Powder Coating, Add	5.37		
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating.....	42.36	1.22	
		For Bearing Bars At 15/16" On-Center, Add	11.65		
		For Crossbars At 2" On-Center, Add	4.31		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.64		
		For Powder Coating, Add	5.99		
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating.....	47.22	1.22	
		For Bearing Bars At 15/16" On-Center, Add	13.07		
		For Crossbars At 2" On-Center, Add	4.84		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.76		
		For Powder Coating, Add	6.72		
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	51.04	1.22	
		For Bearing Bars At 15/16" On-Center, Add	14.19		
		For Crossbars At 2" On-Center, Add	5.25		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.86		
		For Powder Coating, Add	7.29		
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	55.58	1.22	
		For Bearing Bars At 15/16" On-Center, Add	15.51		
		For Crossbars At 2" On-Center, Add	5.74		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting, Deduct	-2.97		
		For Powder Coating, Add	7.97		
05 53 13 00-0044		Swage Locked Grating (05 53 13)			
		Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.			
05 53 13 00-0045		Steel, Swage Locked Grating (05 53 13 00-0044)			
		Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.			
05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating.....	44.48	1.22	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	3.87		
		For 304 Stainless Steel, Add	69.69		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	26.90		
		For Crossbars At 2" On-Center, Add	3.36		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.69		
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating.....	49.66	1.22	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.34		
		For 304 Stainless Steel, Add	78.27		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	30.21		
		For Crossbars At 2" On-Center, Add	3.78		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-2.82		
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating.....	54.26	1.50	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.72		
		For 304 Stainless Steel, Add	84.99		
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center			
		For Bearing Bars At 15/16" On-Center, Add	32.81		
		For Crossbars At 2" On-Center, Add	4.10		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.29		

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating.....	62.21	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	5.45	
		For 304 Stainless Steel, Add	98.17	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	37.89	
		For Crossbars At 2" On-Center, Add	4.74	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.49	
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating.....	70.19	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	6.18	
		For 304 Stainless Steel, Add	111.40	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	43.00	
		For Crossbars At 2" On-Center, Add	5.38	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.69	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating.....	78.13	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	6.91	
		For 304 Stainless Steel, Add	124.57	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	48.08	
		For Crossbars At 2" On-Center, Add	6.01	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.89	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating.....	86.11	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	7.65	
		For 304 Stainless Steel, Add	137.80	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	53.19	
		For Crossbars At 2" On-Center, Add	6.65	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.09	

05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked (05 53 13 00-0044)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating.....	20.32	1.22
		For Bearing Bars At 15/16" On-Center, Add	11.44	
		For Crossbars At 2" On-Center, Add	1.43	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.09	
		For Powder Coating, Add	2.68	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating.....	26.30	1.22
		For Bearing Bars At 15/16" On-Center, Add	15.26	
		For Crossbars At 2" On-Center, Add	1.91	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.24	
		For Powder Coating, Add	3.58	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating.....	23.01	1.22
		For Bearing Bars At 15/16" On-Center, Add	13.16	
		For Crossbars At 2" On-Center, Add	1.64	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.16	
		For Powder Coating, Add	3.08	
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating.....	30.32	1.22
		For Bearing Bars At 15/16" On-Center, Add	17.84	
		For Crossbars At 2" On-Center, Add	2.23	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.34	
		For Powder Coating, Add	4.18	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating.....	26.19	1.22
		For Bearing Bars At 15/16" On-Center, Add	15.19	
		For Crossbars At 2" On-Center, Add	1.90	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.24	
		For Powder Coating, Add	3.56	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating.....	34.63	1.22
		For Bearing Bars At 15/16" On-Center, Add	20.60	
		For Crossbars At 2" On-Center, Add	2.57	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.45	
		For Powder Coating, Add	4.83	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating.....	39.59	1.22
		For Bearing Bars At 15/16" On-Center, Add	23.77	
		For Crossbars At 2" On-Center, Add	2.97	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.57	
		For Powder Coating, Add	5.57	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating.....	44.53	1.22
		For Bearing Bars At 15/16" On-Center, Add	26.93	
		For Crossbars At 2" On-Center, Add	3.37	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting, Deduct	-2.69	
		For Powder Coating, Add	6.31	

			Metals 05		05
			Metal Fabrications	05 50	
			Metal Gratings	05 53	
MINOR	DESCRIPTION		TOTAL DIRECT	DEMOLITION	
CSI	UOM		UNIT COST	UNIT COST	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	49.49 30.11 3.76 0.16 -2.82 7.06		1.22
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating..... For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting, Deduct For Powder Coating, Add	54.43 33.27 4.16 0.16 -2.94 7.80		1.22
05 53 13 00-0064		Riveted Grating (05 53 13) Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.			
05 53 13 00-0065		Steel, Riveted Grating (05 53 13 00-0064) Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.			
05 53 13 00-0066	SF	3/4" x 1/8", 7.0 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Set In Place Without Bolting Or Tack Welding, Deduct	84.65 0.22 3.95 70.61 28.36 -3.70		1.22
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Set In Place Without Bolting Or Tack Welding, Deduct	99.70 0.22 4.67 83.54 33.55 -4.07		1.22
05 53 13 00-0068	SF	1" x 1/8", 8.0 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	91.58 0.22 4.28 76.56 30.75 0.16 -3.87		1.22
05 53 13 00-0069	SF	1" x 3/16", 9.5 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	105.43 0.22 4.94 88.46 35.53 0.16 -4.22		1.22
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	97.32 0.22 4.55 81.49 32.73 0.16 -4.01		1.22
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	116.11 0.22 5.46 97.63 39.21 0.16 -4.48		1.22
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	103.39 0.22 4.82 86.24 34.63 0.16 -4.52		1.50
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	123.48 0.22 5.78 103.49 41.57 0.16 -5.02		1.50
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	133.73 0.22 6.28 112.30 45.10 0.16 -5.28		1.50
05 53 13 00-0075	SF	2" x 3/16", 17.0 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	156.62 0.22 7.37 131.96 53.00 0.16 -5.85		1.50

05 Metals**05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 53 13 00-0076	SF 2-1/4" x 3/16", 18.5 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	164.60 0.22 7.76 138.81 55.75 0.16 -6.05		1.50
05 53 13 00-0077	SF 2-1/2" x 3/16", 20.0 Lb./SF, Steel, Riveted Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	171.70 0.22 8.10 144.91 58.20 0.16 -6.23		1.50
05 53 13 00-0078 Aluminum, Riveted Grating (05 53 13 00-0064) Note: 1" clear opening, bolted in place and in all sizes.				
05 53 13 00-0079	SF 3/4" x 1/8", 2.4 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	43.25 14.08 6.12 -2.66		1.22
05 53 13 00-0080	SF 3/4" x 3/16", 2.9 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	51.32 16.86 7.33 -2.86		1.22
05 53 13 00-0081	SF 1" x 1/8", 2.7 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	47.56 15.56 0.16 6.77 -2.77		1.22
05 53 13 00-0082	SF 1" x 3/16", 3.2 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	55.45 18.29 0.16 7.95 -2.97		1.22
05 53 13 00-0083	SF 1-1/4" x 1/8", 3.1 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	53.33 17.55 0.16 7.63 -2.91		1.22
05 53 13 00-0084	SF 1-1/4" x 3/16", 3.8 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	64.28 21.33 0.16 9.27 -3.19		1.22
05 53 13 00-0085	SF 1-1/2" x 1/8", 3.4 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	57.28 18.92 0.16 8.22 -3.01		1.22
05 53 13 00-0086	SF 1-1/2" x 3/16", 4.3 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	71.17 23.71 0.16 10.31 -3.36		1.22
05 53 13 00-0087	SF 1-3/4" x 3/16", 4.8 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	78.46 26.22 0.16 11.40 -3.54		1.22
05 53 13 00-0088	SF 2" x 3/16", 5.8 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	93.43 31.39 0.16 13.65 -3.92		1.22
05 53 13 00-0089	SF 2-1/4" x 3/16", 6.4 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	101.92 34.32 0.16 14.92 -4.13		1.22
05 53 13 00-0090	SF 2-1/2" x 3/16", 7.2 Lb./SF, Aluminum, Riveted Grating..... For 5/8" Clear Opening, Add For Serrated Wear Surface, Add For Powder Coating, Add For Set In Place Without Bolting, Deduct	113.31 38.25 0.16 16.63 -4.41		1.22

05 54 Metal Floor Plates (05 50)**05 54 00 00-0001 Steel Floor Plates** (05 54)

05 54 00 00-0002	SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	19.94	1.45
05 54 00 00-0003	SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	22.83	1.45
05 54 00 00-0004	SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	28.66	1.45
05 54 00 00-0005	SF 1/8" Steel Raised Or Diamond Pattern Floor Plates.....	38.37	1.55
05 54 00 00-0006	SF 1/4" Steel Raised Or Diamond Pattern Floor Plates.....	48.82	1.67

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

			Metals	05	05
			Metal Fabrications	05 50	
			Metal Floor Plates	05 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 54 00 00-0008	SF		0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	31.05 4.29	1.22
05 54 00 00-0009	SF		0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	35.63 4.93	1.45
05 54 00 00-0010	SF		0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	40.23 5.57	1.55

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012	SF		1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	39.24	1.67
05 54 00 00-0013	SF		3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	46.91	1.89
05 54 00 00-0014	SF		1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	60.79	2.22

05 55 Metal Stair Treads and Nosings (05 50)

05 55 13 Metal Stair Treads (05 55)

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF		8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	75.65 15.93	7.46
05 55 13 00-0003	LF		9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	83.25 17.83	7.46
05 55 13 00-0004	LF		10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	90.84 19.73	7.46
05 55 13 00-0005	LF		11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	98.47 21.63	7.46
05 55 13 00-0006	LF		12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread <i>For 3/8" Thick, Add</i>	106.03 23.52	7.46

05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF		8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	105.14	7.46
05 55 13 00-0009	LF		9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	116.41	7.46
05 55 13 00-0010	LF		10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	127.70	7.46
05 55 13 00-0011	LF		11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	138.96	7.46
05 55 13 00-0012	LF		12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	150.25	7.46

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF		6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	40.08	7.46
05 55 13 00-0015	LF		9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	46.97	7.46
05 55 13 00-0016	LF		11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	50.01	7.46

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads (05 55 13)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF		8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	59.10 4.78 3.59	7.46
05 55 13 00-0019	LF		9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	59.67 4.78 3.59	7.46
05 55 13 00-0020	LF		11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	72.06 4.78 3.59	7.46
05 55 13 00-0021	LF		12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	82.92 4.78 3.59	7.46
05 55 13 00-0022	LF		15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread..... <i>For Epoxy Sealed For Corrosive Environment, Add</i> <i>For Two Color Tread, Add</i>	97.08 4.78 3.59	7.46

05 55 13 00-0023 Stair Landing Treads (05 55 13)

05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads (05 55 13 00-0023)

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0025	SF		5/16" Thick, Abrasive Cast Aluminum Landing Treads..... <i>For 3/8" Thick, Add</i>	106.03 23.52	7.46
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05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads (05 55 13 00-0023)

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0027	SF		3/8" Thick, Abrasive Cast Iron Landing Treads.....	150.25	7.46
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05 Metals**05 50 Metal Fabrications****05 55 Metal Stair Treads and Nosings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads (05 55 13 00-0023)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.

05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	98.32	7.46
		<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.78	

05 55 13 00-0030 Open Cast Iron Stair Tread (05 55 13)

Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.

05 55 13 00-0031	RSR	3'-6" Wide, Open Cast Iron Stair Tread	697.67	44.51
		<i>For Closed Riser, Add</i>	59.75	
05 55 13 00-0032	RSR	4'-0" Wide, Open Cast Iron Stair Tread	782.76	51.19
		<i>For Closed Riser, Add</i>	66.87	
05 55 13 00-0033	RSR	5'-0" Wide, Open Cast Iron Stair Tread	862.42	60.08
		<i>For Closed Riser, Add</i>	73.59	

05 55 16 Metal Stair Nosings (05 55)
05 55 16 00-0001 Abrasive Cast Aluminum Nosings (05 55 16)

Note: Includes abrasive diamond pattern surface and anchors.

05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	32.03	5.09
		<i>For 3/8" Thick, Add</i>	5.97	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	39.37	5.09
		<i>For 3/8" Thick, Add</i>	7.81	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	55.73	5.09
		<i>For 3/8" Thick, Add</i>	11.90	

05 55 16 00-0005 Abrasive Cast Iron Nosings (05 55 16)

Note: Includes abrasive diamond pattern surface and anchors.

05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	37.39	5.09
		<i>For 3/8" Thick, Add</i>	7.31	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	46.43	5.09
		<i>For 3/8" Thick, Add</i>	9.57	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	64.30	5.09
		<i>For 3/8" Thick, Add</i>	14.04	

05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings (05 55 16)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.

05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	27.06	5.09
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	30.60	5.09
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	33.30	5.09
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	41.69	5.09
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	28.01	5.09
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	31.03	5.09
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	34.02	5.09
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	32.20	5.09

05 56 Metal Castings (05 50)
05 56 00 00-0001 Castings (05 56)

05 56 00 00-0002	LB	Up To 150 Lb., Miscellaneous Castings, Light Section	5.50	0.56
05 56 00 00-0003	LB	>150 Lb., Miscellaneous Castings, Heavy Section	9.40	0.44

05 58 Formed Metal Fabrications (05 50)
05 58 13 Column Covers (05 58)
05 58 13 00-0001 Architectural Column Cover, Aluminum (05 58 13)

Note: Includes snapform column joint, anodized finish, and column collars at top and bottom (Pittcon Series 1500).

05 58 13 00-0002	LF	10" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section	44.22	
		<i>Note: Includes column base and top collar.</i>		
05 58 13 00-0003	LF	12" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section	52.36	
		<i>Note: Includes column base and top collar.</i>		
05 58 13 00-0004	LF	14" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section	62.27	
		<i>Note: Includes column base and top collar.</i>		
05 58 13 00-0005	LF	16" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section	70.40	
		<i>Note: Includes column base and top collar.</i>		
05 58 13 00-0006	LF	18" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section	79.24	
		<i>Note: Includes column base and top collar.</i>		
05 58 13 00-0007	LF	20" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section	88.01	
		<i>Note: Includes column base and top collar.</i>		
05 58 13 00-0008	LF	24" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section	102.88	
		<i>Note: Includes column base and top collar.</i>		
05 58 13 00-0009	LF	30" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section	124.03	
		<i>Note: Includes column base and top collar.</i>		
05 58 13 00-0010	LF	36" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section	135.12	
		<i>Note: Includes column base and top collar.</i>		
05 58 13 00-0011	LF	42" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section	146.19	
		<i>Note: Includes column base and top collar.</i>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 13 00-0012	LF		48" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	163.34	
			Note: Includes column base and top collar.		
05 58 13 00-0013	LF		54" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	187.69	
			Note: Includes column base and top collar.		
05 58 13 00-0014 Monolithic Column Cover, Aluminum (05 58 13)					
			Note: Includes painted, and column collars at top and bottom (Pittcon Series 100).		
05 58 13 00-0015	LF		7" Diameter Monolithic Column Cover, Aluminum, Factory	20.13	
05 58 13 00-0016	LF		8" Diameter Monolithic Column Cover, Aluminum, Factory	22.54	
05 58 13 00-0017	LF		9" Diameter Monolithic Column Cover, Aluminum, Factory	24.76	
05 58 13 00-0018	LF		10" Diameter Monolithic Column Cover, Aluminum, Factory	27.43	
05 58 13 00-0019	LF		12" Diameter Monolithic Column Cover, Aluminum, Factory Primed	31.96	
			Note: Including Column Base And Top Collar		
05 58 16 Formed Metal Enclosures (05 58)					
05 58 16 00-0001 Drip Pan (05 58 16)					
05 58 16 00-0002	SF		Stainless Steel Drip Pan	117.30	6.95
05 58 16 00-0003	SF		Galvanized Steel Drip Pan	115.87	6.95
05 58 16 00-0004	SF		Aluminum Drip Pan	81.29	5.56
05 58 16 00-0005	SF		Plastic Drip Pan	20.95	4.87
05 58 23 Formed Metal Guards (05 58)					
05 58 23 00-0001 Protective Guard Rails (05 58 23)					
			Note: Includes painted finish.		
05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)					
			Note: Steel King Armor Guard.		
05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0002)					
			Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA		1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	217.98	24.42
05 58 23 00-0005	EA		2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	256.01	24.42
05 58 23 00-0006	EA		3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	291.88	24.42
05 58 23 00-0007	EA		4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	329.91	24.42
05 58 23 00-0008	EA		5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	365.98	24.42
05 58 23 00-0009	EA		6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	412.75	24.42
05 58 23 00-0010	EA		7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	444.61	24.42
05 58 23 00-0011	EA		8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	493.94	24.42
05 58 23 00-0012	EA		9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	526.31	24.42
05 58 23 00-0013	EA		10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	549.44	24.42
05 58 23 00-0014 Posts For 2-Rib Guard Rails (05 58 23 00-0002)					
			Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA		12" Height, Single Rail Post For 2-Rib Guard Rails	438.85	50.87
05 58 23 00-0016	EA		42" Height, Triple Rail Post For 2-Rib Guard Rails	570.92	50.87
05 58 23 00-0017 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)					
			Note: Steel King Steel Guard.		
05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)					
			Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA		1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	240.90	24.42
05 58 23 00-0020	EA		2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	266.18	24.42
05 58 23 00-0021	EA		3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	297.74	24.42
05 58 23 00-0022	EA		4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	327.23	24.42
05 58 23 00-0023	EA		5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	361.36	24.42
05 58 23 00-0024	EA		6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	377.80	24.42
05 58 23 00-0025	EA		7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	417.37	24.42
05 58 23 00-0026	EA		8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	450.77	24.42
05 58 23 00-0027	EA		9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	486.23	24.42
05 58 23 00-0028	EA		10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	522.20	24.42
05 58 23 00-0029 Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)					
			Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA		1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	354.68	24.42
05 58 23 00-0031	EA		2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	382.43	24.42
05 58 23 00-0032	EA		3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	411.20	24.42
05 58 23 00-0033	EA		4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	444.61	24.42
05 58 23 00-0034	EA		5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	478.01	24.42
05 58 23 00-0035	EA		6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	505.25	24.42
05 58 23 00-0036	EA		7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	536.59	24.42
05 58 23 00-0037	EA		8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	572.05	24.42
05 58 23 00-0038	EA		9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	610.08	24.42
05 58 23 00-0039	EA		10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	643.48	24.42
05 58 23 00-0040 Posts For 3-Rib Guard Rails (05 58 23 00-0017)					
			Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA		18" Height, Single Rail Post For 3-Rib Guard Rails	386.23	50.87
05 58 23 00-0042	EA		42" Height, Double Rail Post For 3-Rib Guard Rails	493.32	50.87

05 Metals**05 50 Metal Fabrications****05 58 Formed Metal Fabrications**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 58 23 00-0043	All-Welded, Protective Guards (05 58 23) Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.				
05 58 23 00-0044	All-Welded, Protective Guards (05 58 23 00-0043)				
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	504.11	67.82	
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	529.80	67.82	
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	544.71	67.82	
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	566.80	67.82	
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	561.66	67.82	
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	588.90	67.82	
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	596.61	67.82	
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	605.34	67.82	
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	646.97	67.82	

05 58 23 00-0054	Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)				
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	663.41	67.82	
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	694.25	67.82	
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	707.09	67.82	
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	770.30	67.82	

05 58 23 00-0059	Warehouse Safety Bollards (05 58 23) Note: Includes painted finish, drilling, surface mounting plate and anchors.				
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	313.53	50.87	
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	364.30	50.87	
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	418.05	50.87	
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	432.75	50.87	
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	466.67	50.87	

05 59 Metal Specialties (05 59)**05 59 65 Metal Chain** (05 59)

05 59 65 00-0001	Alloy Steel Chain, Self Colored, Cut Length (05 59 65) Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.				
05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	6.44	1.08	
		For Plastic Dipped, Add.....	0.64		
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	8.39	1.43	
		For Plastic Dipped, Add.....	0.83		
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	13.18	2.86	
		For Plastic Dipped, Add.....	1.12		
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	21.11	4.83	
		For Plastic Dipped, Add.....	1.72		
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	35.63	8.16	
		For Plastic Dipped, Add.....	2.90		
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	50.01	11.45	
		For Plastic Dipped, Add.....	4.07		
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	68.36	14.32	
		For Plastic Dipped, Add.....	5.96		
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	99.10	19.08	
		For Plastic Dipped, Add.....	9.14		
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	161.53	28.63	
		For Plastic Dipped, Add.....	15.64		

05 59 65 00-0011	316L Stainless Steel Chain, Cut Length (05 59 65)				
05 59 65 00-0012	CLF	1/8" Diameter 316L Stainless Steel Chain, Cut Length.....	2,814.57	95.41	
05 59 65 00-0013	CLF	3/16" Diameter 316L Stainless Steel Chain, Cut Length.....	3,463.82	114.53	
05 59 65 00-0014	CLF	9/32" Diameter 316L Stainless Steel Chain, Cut Length.....	4,342.05	143.17	
05 59 65 00-0015	CLF	5/16" Diameter 316L Stainless Steel Chain, Cut Length.....	5,866.14	190.93	
05 59 65 00-0016	CLF	3/8" Diameter 316L Stainless Steel Chain, Cut Length.....	6,666.40	286.34	
05 59 65 00-0017	CLF	1/2" Diameter 316L Stainless Steel Chain, Cut Length.....	10,056.12	477.27	

05 59 69 Metal Panels (05 59)

05 59 69 00-0001	Woven And Welded Wire Cloth (05 59 69) Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.				
05 59 69 00-0002	Plain Steel Woven And Welded Wire Cloth Panels (05 59 69 00-0001)				
05 59 69 00-0003	2" Square Wire Spacing (05 59 69 00-0002)				
05 59 69 00-0004	SF	0.12" Thick Wire, 2" Spacing, 0.44 Lb./SF, Woven And Welded Wire Cloth Panels.....	9.97	3.06	
		For Up To 2, Add.....	2.81		
		For >2 To 6, Add.....	1.61		
		For >15 To 40, Deduct.....	-0.29		
		For >40, Deduct.....	-0.88		
		For Galvanized, Add.....	2.59		
		For Aluminum, Add.....	3.53		
		For 304 Stainless Steel, Add.....	14.14		
		For 316 Stainless Steel, Add.....	16.20		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0005	SF		0.135" Thick Wire, 2" Spacing, 0.55 Lb./SF, Woven And Welded Wire Cloth Panels	10.72	3.18
			For Up To 2, Add	2.99	
			For >2 To 6, Add	1.71	
			For >15 To 40, Deduct	-0.32	
			For >40, Deduct	-0.97	
			For Galvanized, Add	2.85	
			For Aluminum, Add	3.88	
			For 304 Stainless Steel, Add	15.53	
			For 316 Stainless Steel, Add	17.79	
05 59 69 00-0006	SF		0.148" Thick Wire, 2" Spacing, 0.65 Lb./SF, Woven And Welded Wire Cloth Panels	11.39	3.53
			For Up To 2, Add	3.22	
			For >2 To 6, Add	1.84	
			For >15 To 40, Deduct	-0.33	
			For >40, Deduct	-1.00	
			For Galvanized, Add	2.94	
			For Aluminum, Add	4.01	
			For 304 Stainless Steel, Add	16.06	
			For 316 Stainless Steel, Add	18.40	
05 59 69 00-0007	SF		0.162" Thick Wire, 2" Spacing, 0.78 Lb./SF, Woven And Welded Wire Cloth Panels	12.02	3.68
			For Up To 2, Add	3.38	
			For >2 To 6, Add	1.94	
			For >15 To 40, Deduct	-0.36	
			For >40, Deduct	-1.07	
			For Galvanized, Add	3.13	
			For Aluminum, Add	4.27	
			For 304 Stainless Steel, Add	17.09	
			For 316 Stainless Steel, Add	19.58	
05 59 69 00-0008	SF		0.177" Thick Wire, 2" Spacing, 0.92 Lb./SF, Woven And Welded Wire Cloth Panels	13.14	4.12
			For Up To 2, Add	3.73	
			For >2 To 6, Add	2.14	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.15	
			For Galvanized, Add	3.36	
			For Aluminum, Add	4.58	
			For 304 Stainless Steel, Add	18.34	
			For 316 Stainless Steel, Add	21.01	
05 59 69 00-0009	SF		0.192" Thick Wire, 2" Spacing, 1.08 Lb./SF, Woven And Welded Wire Cloth Panels	15.09	4.59
			For Up To 2, Add	4.24	
			For >2 To 6, Add	2.43	
			For >15 To 40, Deduct	-0.45	
			For >40, Deduct	-1.35	
			For Galvanized, Add	3.95	
			For Aluminum, Add	5.38	
			For 304 Stainless Steel, Add	21.53	
			For 316 Stainless Steel, Add	24.67	
05 59 69 00-0010	SF		0.207" Thick Wire, 2" Spacing, 1.25 Lb./SF, Woven And Welded Wire Cloth Panels	17.13	5.06
			For Up To 2, Add	4.77	
			For >2 To 6, Add	2.72	
			For >15 To 40, Deduct	-0.52	
			For >40, Deduct	-1.56	
			For Galvanized, Add	4.57	
			For Aluminum, Add	6.23	
			For 304 Stainless Steel, Add	24.94	
			For 316 Stainless Steel, Add	28.57	
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	19.61	5.61
			For Up To 2, Add	5.42	
			For >2 To 6, Add	3.08	
			For >15 To 40, Deduct	-0.61	
			For >40, Deduct	-1.82	
			For Galvanized, Add	5.34	
			For Aluminum, Add	7.28	
			For 304 Stainless Steel, Add	29.11	
			For 316 Stainless Steel, Add	33.36	
05 59 69 00-0012			1-3/4" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 Lb./SF, Woven And Welded Wire Cloth Panels	10.46	3.24
			For Up To 2, Add	2.96	
			For >2 To 6, Add	1.69	
			For >15 To 40, Deduct	-0.31	
			For >40, Deduct	-0.92	
			For Galvanized, Add	2.70	
			For Aluminum, Add	3.68	
			For 304 Stainless Steel, Add	14.74	
			For 316 Stainless Steel, Add	16.89	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 Lb./SF, Woven And Welded Wire Cloth Panels	11.51	3.41
			For Up To 2, Add	3.21	
			For >2 To 6, Add	1.84	
			For >15 To 40, Deduct	-0.35	
			For >40, Deduct	-1.04	
			For Galvanized, Add	3.06	
			For Aluminum, Add	4.17	
			For 304 Stainless Steel, Add	16.68	
			For 316 Stainless Steel, Add	19.11	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 59 69 00-0015	SF	0.148" Thick Wire, 1-3/4" Spacing, 0.74 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.37	3.83
		For Up To 2, Add	3.50	
		For >2 To 6, Add	2.00	
		For >15 To 40, Deduct	-0.36	
		For >40, Deduct	-1.09	
		For Galvanized, Add	3.19	
		For Aluminum, Add	4.36	
		For 304 Stainless Steel, Add	17.42	
		For 316 Stainless Steel, Add	19.97	
05 59 69 00-0016	SF	0.162" Thick Wire, 1-3/4" Spacing, 0.88 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.92	3.95
		For Up To 2, Add	3.64	
		For >2 To 6, Add	2.08	
		For >15 To 40, Deduct	-0.38	
		For >40, Deduct	-1.15	
		For Galvanized, Add	3.37	
		For Aluminum, Add	4.59	
		For 304 Stainless Steel, Add	18.36	
		For 316 Stainless Steel, Add	21.04	
05 59 69 00-0017	SF	0.177" Thick Wire, 1-3/4" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.14	4.43
		For Up To 2, Add	4.01	
		For >2 To 6, Add	2.30	
		For >15 To 40, Deduct	-0.41	
		For >40, Deduct	-1.23	
		For Galvanized, Add	3.62	
		For Aluminum, Add	4.94	
		For 304 Stainless Steel, Add	19.75	
		For 316 Stainless Steel, Add	22.63	
05 59 69 00-0018	SF	0.192" Thick Wire, 1-3/4" Spacing, 1.22 Lb./SF, Woven And Welded Wire Cloth Panels.....	16.25	4.95
		For Up To 2, Add	4.57	
		For >2 To 6, Add	2.62	
		For >15 To 40, Deduct	-0.48	
		For >40, Deduct	-1.45	
		For Galvanized, Add	4.25	
		For Aluminum, Add	5.79	
		For 304 Stainless Steel, Add	23.16	
		For 316 Stainless Steel, Add	26.54	
05 59 69 00-0019	SF	0.207" Thick Wire, 1-3/4" Spacing, 1.41 Lb./SF, Woven And Welded Wire Cloth Panels.....	18.40	5.43
		For Up To 2, Add	5.13	
		For >2 To 6, Add	2.93	
		For >15 To 40, Deduct	-0.56	
		For >40, Deduct	-1.67	
		For Galvanized, Add	4.91	
		For Aluminum, Add	6.70	
		For 304 Stainless Steel, Add	26.78	
		For 316 Stainless Steel, Add	30.69	
05 59 69 00-0020	SF	0.225" Thick Wire, 1-3/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels.....	21.12	6.03
		For Up To 2, Add	5.84	
		For >2 To 6, Add	3.32	
		For >15 To 40, Deduct	-0.65	
		For >40, Deduct	-1.96	
		For Galvanized, Add	5.75	
		For Aluminum, Add	7.84	
		For 304 Stainless Steel, Add	31.34	
		For 316 Stainless Steel, Add	35.92	
05 59 69 00-0021		1-1/2" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0022	SF	0.12" Thick Wire, 1-1/2" Spacing, 0.57 Lb./SF, Woven And Welded Wire Cloth Panels.....	11.58	3.60
		For Up To 2, Add	3.27	
		For >2 To 6, Add	1.88	
		For >15 To 40, Deduct	-0.34	
		For >40, Deduct	-1.02	
		For Galvanized, Add	2.99	
		For Aluminum, Add	4.08	
		For 304 Stainless Steel, Add	16.32	
		For 316 Stainless Steel, Add	18.70	
05 59 69 00-0023	SF	0.135" Thick Wire, 1-1/2" Spacing, 0.72 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.72	3.78
		For Up To 2, Add	3.55	
		For >2 To 6, Add	2.03	
		For >15 To 40, Deduct	-0.38	
		For >40, Deduct	-1.15	
		For Galvanized, Add	3.38	
		For Aluminum, Add	4.61	
		For 304 Stainless Steel, Add	18.43	
		For 316 Stainless Steel, Add	21.12	
05 59 69 00-0024	SF	0.148" Thick Wire, 1-1/2" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels.....	13.53	4.19
		For Up To 2, Add	3.82	
		For >2 To 6, Add	2.19	
		For >15 To 40, Deduct	-0.40	
		For >40, Deduct	-1.19	
		For Galvanized, Add	3.49	
		For Aluminum, Add	4.76	
		For 304 Stainless Steel, Add	19.06	
		For 316 Stainless Steel, Add	21.84	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0025	SF	0.162" Thick Wire, 1-1/2" Spacing, 1.02 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.26	4.36
		For Up To 2, Add	4.02	
		For >2 To 6, Add	2.30	
		For >15 To 40, Deduct	-0.42	
		For >40, Deduct	-1.27	
		For Galvanized, Add	3.71	
		For Aluminum, Add	5.06	
		For 304 Stainless Steel, Add	20.26	
		For 316 Stainless Steel, Add	23.21	
05 59 69 00-0026	SF	0.177" Thick Wire, 1-1/2" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels.....	15.55	4.87
		For Up To 2, Add	4.41	
		For >2 To 6, Add	2.53	
		For >15 To 40, Deduct	-0.45	
		For >40, Deduct	-1.36	
		For Galvanized, Add	3.98	
		For Aluminum, Add	5.42	
		For 304 Stainless Steel, Add	21.70	
		For 316 Stainless Steel, Add	24.86	
05 59 69 00-0027	SF	0.192" Thick Wire, 1-1/2" Spacing, 1.4 Lb./SF, Woven And Welded Wire Cloth Panels.....	17.75	5.41
		For Up To 2, Add	4.99	
		For >2 To 6, Add	2.86	
		For >15 To 40, Deduct	-0.53	
		For >40, Deduct	-1.58	
		For Galvanized, Add	4.64	
		For Aluminum, Add	6.33	
		For 304 Stainless Steel, Add	25.32	
		For 316 Stainless Steel, Add	29.01	
05 59 69 00-0028	SF	0.207" Thick Wire, 1-1/2" Spacing, 1.62 Lb./SF, Woven And Welded Wire Cloth Panels.....	20.13	5.94
		For Up To 2, Add	5.61	
		For >2 To 6, Add	3.20	
		For >15 To 40, Deduct	-0.61	
		For >40, Deduct	-1.83	
		For Galvanized, Add	5.37	
		For Aluminum, Add	7.33	
		For 304 Stainless Steel, Add	29.30	
		For 316 Stainless Steel, Add	33.58	
05 59 69 00-0029	SF	0.225" Thick Wire, 1-1/2" Spacing, 1.89 Lb./SF, Woven And Welded Wire Cloth Panels.....	23.01	6.59
		For Up To 2, Add	6.36	
		For >2 To 6, Add	3.62	
		For >15 To 40, Deduct	-0.71	
		For >40, Deduct	-2.14	
		For Galvanized, Add	6.27	
		For Aluminum, Add	8.54	
		For 304 Stainless Steel, Add	34.18	
		For 316 Stainless Steel, Add	39.16	
05 59 69 00-0030 1-1/4" Square Wire Spacing (05 59 69 00-0002)				
05 59 69 00-0031	SF	0.105" Thick Wire, 1-1/4" Spacing, 0.52 Lb./SF, Woven And Welded Wire Cloth Panels.....	11.85	3.89
		For Up To 2, Add	3.41	
		For >2 To 6, Add	1.96	
		For >15 To 40, Deduct	-0.33	
		For >40, Deduct	-1.00	
		For Galvanized, Add	2.93	
		For Aluminum, Add	4.00	
		For 304 Stainless Steel, Add	15.98	
		For 316 Stainless Steel, Add	18.32	
05 59 69 00-0032	SF	0.12" Thick Wire, 1-1/4" Spacing, 0.68 Lb./SF, Woven And Welded Wire Cloth Panels.....	12.81	4.08
		For Up To 2, Add	3.65	
		For >2 To 6, Add	2.10	
		For >15 To 40, Deduct	-0.37	
		For >40, Deduct	-1.11	
		For Galvanized, Add	3.24	
		For Aluminum, Add	4.42	
		For 304 Stainless Steel, Add	17.69	
		For 316 Stainless Steel, Add	20.27	
05 59 69 00-0033	SF	0.135" Thick Wire, 1-1/4" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels.....	13.92	4.25
		For Up To 2, Add	3.92	
		For >2 To 6, Add	2.24	
		For >15 To 40, Deduct	-0.41	
		For >40, Deduct	-1.24	
		For Galvanized, Add	3.63	
		For Aluminum, Add	4.95	
		For 304 Stainless Steel, Add	19.80	
		For 316 Stainless Steel, Add	22.69	
05 59 69 00-0034	SF	0.148" Thick Wire, 1-1/4" Spacing, 1.01 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.34	4.33
		For Up To 2, Add	4.02	
		For >2 To 6, Add	2.30	
		For >15 To 40, Deduct	-0.43	
		For >40, Deduct	-1.29	
		For Galvanized, Add	3.77	
		For Aluminum, Add	5.14	
		For 304 Stainless Steel, Add	20.57	
		For 316 Stainless Steel, Add	23.57	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 59 69 00-0035	SF	0.162" Thick Wire, 1-1/4" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels.....	15.55	4.89
		For Up To 2, Add	4.41	
		For >2 To 6, Add	2.53	
		For >15 To 40, Deduct	-0.45	
		For >40, Deduct	-1.35	
		For Galvanized, Add	3.97	
		For Aluminum, Add	5.42	
		For 304 Stainless Steel, Add	21.67	
		For 316 Stainless Steel, Add	24.83	
05 59 69 00-0036	SF	0.177" Thick Wire, 1-1/4" Spacing, 1.42 Lb./SF, Woven And Welded Wire Cloth Panels.....	17.52	5.50
		For Up To 2, Add	4.97	
		For >2 To 6, Add	2.85	
		For >15 To 40, Deduct	-0.51	
		For >40, Deduct	-1.53	
		For Galvanized, Add	4.48	
		For Aluminum, Add	6.11	
		For 304 Stainless Steel, Add	24.46	
		For 316 Stainless Steel, Add	28.02	
05 59 69 00-0037	SF	0.192" Thick Wire, 1-1/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels.....	19.93	6.07
		For Up To 2, Add	5.60	
		For >2 To 6, Add	3.21	
		For >15 To 40, Deduct	-0.59	
		For >40, Deduct	-1.78	
		For Galvanized, Add	5.21	
		For Aluminum, Add	7.10	
		For 304 Stainless Steel, Add	28.42	
		For 316 Stainless Steel, Add	32.56	
05 59 69 00-0038	SF	0.207" Thick Wire, 1-1/4" Spacing, 1.9 Lb./SF, Woven And Welded Wire Cloth Panels.....	22.48	6.64
		For Up To 2, Add	6.26	
		For >2 To 6, Add	3.57	
		For >15 To 40, Deduct	-0.68	
		For >40, Deduct	-2.05	
		For Galvanized, Add	6.00	
		For Aluminum, Add	8.18	
		For 304 Stainless Steel, Add	32.74	
		For 316 Stainless Steel, Add	37.51	
05 59 69 00-0039	SF	0.225" Thick Wire, 1-1/4" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels.....	25.76	7.36
		For Up To 2, Add	7.12	
		For >2 To 6, Add	4.05	
		For >15 To 40, Deduct	-0.80	
		For >40, Deduct	-2.39	
		For Galvanized, Add	7.01	
		For Aluminum, Add	9.56	
		For 304 Stainless Steel, Add	38.26	
		For 316 Stainless Steel, Add	43.84	

05 59 69 00-0040 1" Square Wire Spacing (05 59 69 00-0002)

05 59 69 00-0041	SF	0.105" Thick Wire, 1" Spacing, 0.64 Lb./SF, Woven And Welded Wire Cloth Panels.....	13.52	4.56
		For Up To 2, Add	3.92	
		For >2 To 6, Add	2.26	
		For >15 To 40, Deduct	-0.37	
		For >40, Deduct	-1.12	
		For Galvanized, Add	3.28	
		For Aluminum, Add	4.47	
		For 304 Stainless Steel, Add	17.88	
		For 316 Stainless Steel, Add	20.49	
05 59 69 00-0042	SF	0.12" Thick Wire, 1" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.50	4.74
		For Up To 2, Add	4.16	
		For >2 To 6, Add	2.40	
		For >15 To 40, Deduct	-0.41	
		For >40, Deduct	-1.23	
		For Galvanized, Add	3.60	
		For Aluminum, Add	4.91	
		For 304 Stainless Steel, Add	19.63	
		For 316 Stainless Steel, Add	22.50	
05 59 69 00-0043	SF	0.135" Thick Wire, 1" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels.....	15.10	4.95
		For Up To 2, Add	4.34	
		For >2 To 6, Add	2.50	
		For >15 To 40, Deduct	-0.42	
		For >40, Deduct	-1.27	
		For Galvanized, Add	3.74	
		For Aluminum, Add	5.09	
		For 304 Stainless Steel, Add	20.38	
		For 316 Stainless Steel, Add	23.35	
05 59 69 00-0044	SF	0.148" Thick Wire, 1" Spacing, 1.23 Lb./SF, Woven And Welded Wire Cloth Panels.....	16.19	5.02
		For Up To 2, Add	4.58	
		For >2 To 6, Add	2.62	
		For >15 To 40, Deduct	-0.47	
		For >40, Deduct	-1.42	
		For Galvanized, Add	4.18	
		For Aluminum, Add	5.69	
		For 304 Stainless Steel, Add	22.78	
		For 316 Stainless Steel, Add	26.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0045	SF		0.162" Thick Wire, 1" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	18.01	5.66
			For Up To 2, Add	5.11	
			For >2 To 6, Add	2.93	
			For >15 To 40, Deduct	-0.52	
			For >40, Deduct	-1.57	
			For Galvanized, Add	4.60	
			For Aluminum, Add	6.28	
			For 304 Stainless Steel, Add	25.10	
			For 316 Stainless Steel, Add	28.77	
05 59 69 00-0046	SF		0.177" Thick Wire, 1" Spacing, 1.72 Lb./SF, Woven And Welded Wire Cloth Panels	20.21	6.34
			For Up To 2, Add	5.73	
			For >2 To 6, Add	3.29	
			For >15 To 40, Deduct	-0.59	
			For >40, Deduct	-1.76	
			For Galvanized, Add	5.17	
			For Aluminum, Add	7.06	
			For 304 Stainless Steel, Add	28.22	
			For 316 Stainless Steel, Add	32.34	
05 59 69 00-0047	SF		0.192" Thick Wire, 1" Spacing, 2.01 Lb./SF, Woven And Welded Wire Cloth Panels	23.12	7.03
			For Up To 2, Add	6.50	
			For >2 To 6, Add	3.72	
			For >15 To 40, Deduct	-0.69	
			For >40, Deduct	-2.06	
			For Galvanized, Add	6.05	
			For Aluminum, Add	8.24	
			For 304 Stainless Steel, Add	32.98	
			For 316 Stainless Steel, Add	37.79	
05 59 69 00-0048	SF		0.207" Thick Wire, 1" Spacing, 2.31 Lb./SF, Woven And Welded Wire Cloth Panels	26.03	7.68
			For Up To 2, Add	7.25	
			For >2 To 6, Add	4.14	
			For >15 To 40, Deduct	-0.79	
			For >40, Deduct	-2.37	
			For Galvanized, Add	6.95	
			For Aluminum, Add	9.47	
			For 304 Stainless Steel, Add	37.90	
			For 316 Stainless Steel, Add	43.42	
05 59 69 00-0049	SF		0.225" Thick Wire, 1" Spacing, 2.69 Lb./SF, Woven And Welded Wire Cloth Panels	29.72	8.50
			For Up To 2, Add	8.21	
			For >2 To 6, Add	4.67	
			For >15 To 40, Deduct	-0.92	
			For >40, Deduct	-2.76	
			For Galvanized, Add	8.09	
			For Aluminum, Add	11.03	
			For 304 Stainless Steel, Add	44.14	
			For 316 Stainless Steel, Add	50.57	
05 59 69 00-0050 3/4" Square Wire Spacing (05 59 69 00-0002)					
05 59 69 00-0051	SF		0.105" Thick Wire, 3/4" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels	13.69	4.55
			For Up To 2, Add	3.95	
			For >2 To 6, Add	2.28	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.14	
			For Galvanized, Add	3.36	
			For Aluminum, Add	4.58	
			For 304 Stainless Steel, Add	18.31	
			For 316 Stainless Steel, Add	20.98	
05 59 69 00-0052	SF		0.12" Thick Wire, 3/4" Spacing, 1.07 Lb./SF, Woven And Welded Wire Cloth Panels	15.28	5.10
			For Up To 2, Add	4.41	
			For >2 To 6, Add	2.55	
			For >15 To 40, Deduct	-0.42	
			For >40, Deduct	-1.27	
			For Galvanized, Add	3.74	
			For Aluminum, Add	5.09	
			For 304 Stainless Steel, Add	20.38	
			For 316 Stainless Steel, Add	23.35	
05 59 69 00-0053	SF		0.135" Thick Wire, 3/4" Spacing, 1.33 Lb./SF, Woven And Welded Wire Cloth Panels	16.91	5.76
			For Up To 2, Add	4.92	
			For >2 To 6, Add	2.84	
			For >15 To 40, Deduct	-0.46	
			For >40, Deduct	-1.39	
			For Galvanized, Add	4.07	
			For Aluminum, Add	5.54	
			For 304 Stainless Steel, Add	22.18	
			For 316 Stainless Steel, Add	25.41	
05 59 69 00-0054	SF		0.148" Thick Wire, 3/4" Spacing, 1.58 Lb./SF, Woven And Welded Wire Cloth Panels	18.29	6.14
			For Up To 2, Add	5.30	
			For >2 To 6, Add	3.06	
			For >15 To 40, Deduct	-0.51	
			For >40, Deduct	-1.52	
			For Galvanized, Add	4.44	
			For Aluminum, Add	6.06	
			For 304 Stainless Steel, Add	24.24	
			For 316 Stainless Steel, Add	27.78	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 59 69 00-0055	SF	0.162" Thick Wire, 3/4" Spacing, 1.87 Lb./SF, Woven And Welded Wire Cloth Panels.....	21.17	6.91
		For Up To 2, Add	6.08	
		For >2 To 6, Add	3.50	
		For >15 To 40, Deduct	-0.60	
		For >40, Deduct	-1.79	
		For Galvanized, Add	5.26	
		For Aluminum, Add	7.18	
		For 304 Stainless Steel, Add	28.70	
		For 316 Stainless Steel, Add	32.89	
05 59 69 00-0056	SF	0.177" Thick Wire, 3/4" Spacing, 2.2 Lb./SF, Woven And Welded Wire Cloth Panels.....	24.36	7.73
		For Up To 2, Add	6.93	
		For >2 To 6, Add	3.98	
		For >15 To 40, Deduct	-0.70	
		For >40, Deduct	-2.11	
		For Galvanized, Add	6.19	
		For Aluminum, Add	8.44	
		For 304 Stainless Steel, Add	33.77	
		For 316 Stainless Steel, Add	38.69	
05 59 69 00-0057	SF	0.192" Thick Wire, 3/4" Spacing, 2.56 Lb./SF, Woven And Welded Wire Cloth Panels.....	27.75	8.53
		For Up To 2, Add	7.83	
		For >2 To 6, Add	4.48	
		For >15 To 40, Deduct	-0.82	
		For >40, Deduct	-2.46	
		For Galvanized, Add	7.20	
		For Aluminum, Add	9.82	
		For 304 Stainless Steel, Add	39.29	
		For 316 Stainless Steel, Add	45.02	
05 59 69 00-0058	SF	0.207" Thick Wire, 3/4" Spacing, 2.93 Lb./SF, Woven And Welded Wire Cloth Panels.....	31.11	9.28
		For Up To 2, Add	8.70	
		For >2 To 6, Add	4.97	
		For >15 To 40, Deduct	-0.94	
		For >40, Deduct	-2.81	
		For Galvanized, Add	8.25	
		For Aluminum, Add	11.24	
		For 304 Stainless Steel, Add	44.98	
		For 316 Stainless Steel, Add	51.54	
05 59 69 00-0059	SF	0.225" Thick Wire, 3/4" Spacing, 3.41 Lb./SF, Woven And Welded Wire Cloth Panels.....	35.49	10.26
		For Up To 2, Add	9.83	
		For >2 To 6, Add	5.60	
		For >15 To 40, Deduct	-1.09	
		For >40, Deduct	-3.27	
		For Galvanized, Add	9.60	
		For Aluminum, Add	13.09	
		For 304 Stainless Steel, Add	52.34	
		For 316 Stainless Steel, Add	59.98	
05 59 69 00-0060 1/2" Square Wire Spacing (05 59 69 00-0002)				
05 59 69 00-0061	SF	0.105" Thick Wire, 1/2" Spacing, 1.18 Lb./SF, Woven And Welded Wire Cloth Panels.....	14.30	4.86
		For Up To 2, Add	4.16	
		For >2 To 6, Add	2.40	
		For >15 To 40, Deduct	-0.39	
		For >40, Deduct	-1.17	
		For Galvanized, Add	3.44	
		For Aluminum, Add	4.69	
		For 304 Stainless Steel, Add	18.74	
		For 316 Stainless Steel, Add	21.48	
05 59 69 00-0062	SF	0.12" Thick Wire, 1/2" Spacing, 1.51 Lb./SF, Woven And Welded Wire Cloth Panels.....	16.72	5.91
		For Up To 2, Add	4.92	
		For >2 To 6, Add	2.86	
		For >15 To 40, Deduct	-0.44	
		For >40, Deduct	-1.32	
		For Galvanized, Add	3.88	
		For Aluminum, Add	5.29	
		For 304 Stainless Steel, Add	21.17	
		For 316 Stainless Steel, Add	24.26	
05 59 69 00-0063	SF	0.135" Thick Wire, 1/2" Spacing, 1.88 Lb./SF, Woven And Welded Wire Cloth Panels.....	20.21	7.00
		For Up To 2, Add	5.91	
		For >2 To 6, Add	3.42	
		For >15 To 40, Deduct	-0.54	
		For >40, Deduct	-1.63	
		For Galvanized, Add	4.79	
		For Aluminum, Add	6.53	
		For 304 Stainless Steel, Add	26.11	
		For 316 Stainless Steel, Add	29.92	
05 59 69 00-0064	SF	0.148" Thick Wire, 1/2" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels.....	23.32	7.85
		For Up To 2, Add	6.76	
		For >2 To 6, Add	3.90	
		For >15 To 40, Deduct	-0.64	
		For >40, Deduct	-1.93	
		For Galvanized, Add	5.65	
		For Aluminum, Add	7.71	
		For 304 Stainless Steel, Add	30.84	
		For 316 Stainless Steel, Add	35.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0065	SF		0.162" Thick Wire, 1/2" Spacing, 2.61 Lb./SF, Woven And Welded Wire Cloth Panels.....	26.79	8.76
			For Up To 2, Add	7.69	
			For >2 To 6, Add	4.43	
			For >15 To 40, Deduct	-0.76	
			For >40, Deduct	-2.27	
			For Galvanized, Add	6.65	
			For Aluminum, Add	9.07	
			For 304 Stainless Steel, Add	36.26	
			For 316 Stainless Steel, Add	41.55	
05 59 69 00-0066	SF		0.177" Thick Wire, 1/2" Spacing, 3.06 Lb./SF, Woven And Welded Wire Cloth Panels.....	30.73	9.76
			For Up To 2, Add	8.75	
			For >2 To 6, Add	5.03	
			For >15 To 40, Deduct	-0.89	
			For >40, Deduct	-2.66	
			For Galvanized, Add	7.79	
			For Aluminum, Add	10.63	
			For 304 Stainless Steel, Add	42.50	
			For 316 Stainless Steel, Add	48.70	
05 59 69 00-0067	SF		0.192" Thick Wire, 1/2" Spacing, 3.54 Lb./SF, Woven And Welded Wire Cloth Panels.....	34.80	10.74
			For Up To 2, Add	9.82	
			For >2 To 6, Add	5.63	
			For >15 To 40, Deduct	-1.02	
			For >40, Deduct	-3.07	
			For Galvanized, Add	9.02	
			For Aluminum, Add	12.29	
			For 304 Stainless Steel, Add	49.18	
			For 316 Stainless Steel, Add	56.35	
05 59 69 00-0068	SF		0.207" Thick Wire, 1/2" Spacing, 4.04 Lb./SF, Woven And Welded Wire Cloth Panels.....	38.90	11.64
			For Up To 2, Add	10.88	
			For >2 To 6, Add	6.22	
			For >15 To 40, Deduct	-1.17	
			For >40, Deduct	-3.51	
			For Galvanized, Add	10.29	
			For Aluminum, Add	14.03	
			For 304 Stainless Steel, Add	56.14	
			For 316 Stainless Steel, Add	64.32	
05 59 69 00-0069	SF		0.225" Thick Wire, 1/2" Spacing, 4.68 Lb./SF, Woven And Welded Wire Cloth Panels.....	40.46	12.81
			For Up To 2, Add	11.51	
			For >2 To 6, Add	6.61	
			For >15 To 40, Deduct	-1.17	
			For >40, Deduct	-3.51	
			For Galvanized, Add	10.29	
			For Aluminum, Add	14.03	
			For 304 Stainless Steel, Add	56.14	
			For 316 Stainless Steel, Add	64.32	
05 59 69 00-0070	Expanded Metal Panels (05 59 69)				
	Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.				
05 59 69 00-0071	Plain Flattened Expanded Metal Diamond Shape Panels (05 59 69 00-0070)				
	Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.				
05 59 69 00-0072	SF		1/4" #20-F Plain Expanded Metal Panel, 0.82 Lb./SF.....	10.16	4.19
			For Galvanized, Add	2.01	
			For Aluminum, Add	2.74	
			For 304 Stainless Steel, Add	10.97	
			For 316 Stainless Steel, Add	12.57	
05 59 69 00-0073	SF		1/4" #18-F Plain Expanded Metal Panel, 1.08 Lb./SF.....	12.58	4.59
			For Galvanized, Add	2.84	
			For Aluminum, Add	3.88	
			For 304 Stainless Steel, Add	15.50	
			For 316 Stainless Steel, Add	17.77	
05 59 69 00-0074	SF		1/2" #20-F Plain Expanded Metal Panel, 0.40 Lb./SF.....	7.39	3.24
			For Galvanized, Add	1.35	
			For Aluminum, Add	1.84	
			For 304 Stainless Steel, Add	7.37	
			For 316 Stainless Steel, Add	8.44	
05 59 69 00-0075	SF		1/2" #18-F Plain Expanded Metal Panel, 0.66 Lb./SF.....	8.06	3.53
			For Galvanized, Add	1.48	
			For Aluminum, Add	2.02	
			For 304 Stainless Steel, Add	8.06	
			For 316 Stainless Steel, Add	9.24	
05 59 69 00-0076	SF		1/2" #16-F Plain Expanded Metal Panel, 0.82 Lb./SF.....	9.18	4.19
			For Galvanized, Add	1.58	
			For Aluminum, Add	2.15	
			For 304 Stainless Steel, Add	8.62	
			For 316 Stainless Steel, Add	9.87	
05 59 69 00-0077	SF		1/2" #13-F Plain Expanded Metal Panel, 1.4 Lb./SF.....	11.76	5.41
			For Galvanized, Add	2.01	
			For Aluminum, Add	2.74	
			For 304 Stainless Steel, Add	10.94	
			For 316 Stainless Steel, Add	12.54	
05 59 69 00-0078	SF		3/4" #16-F Plain Expanded Metal Panel, 0.51 Lb./SF.....	6.54	3.18
			For Galvanized, Add	1.01	
			For Aluminum, Add	1.37	
			For 304 Stainless Steel, Add	5.50	
			For 316 Stainless Steel, Add	6.30	
05 59 69 00-0079	SF		3/4" #14-F Plain Expanded Metal Panel, 0.63 Lb./SF.....	7.29	3.41
			For Galvanized, Add	1.20	
			For Aluminum, Add	1.64	
			For 304 Stainless Steel, Add	6.55	
			For 316 Stainless Steel, Add	7.51	

05 Metals**05 50 Metal Fabrications****05 59 Metal Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 59 69 00-0080	SF	3/4" #13-F Plain Expanded Metal Panel, 0.75 Lb./SF	8.30	3.83
		For Galvanized, Add	1.40	
		For Aluminum, Add	1.91	
		For 304 Stainless Steel, Add	7.66	
		For 316 Stainless Steel, Add	8.77	
05 59 69 00-0081	SF	3/4" #9-F Plain Expanded Metal Panel, 1.50 Lb./SF	13.16	6.34
		For Galvanized, Add	2.07	
		For Aluminum, Add	2.83	
		For 304 Stainless Steel, Add	11.30	
		For 316 Stainless Steel, Add	12.95	
05 59 69 00-0082	SF	1" #16-F Plain Expanded Metal Panel, 0.41 Lb./SF	7.41	3.89
		For Galvanized, Add	0.98	
		For Aluminum, Add	1.33	
		For 304 Stainless Steel, Add	5.33	
		For 316 Stainless Steel, Add	6.11	
05 59 69 00-0083	SF	1-1/2" #16-F Plain Expanded Metal Panel, 0.38 Lb./SF	6.31	3.06
		For Galvanized, Add	0.98	
		For Aluminum, Add	1.34	
		For 304 Stainless Steel, Add	5.35	
		For 316 Stainless Steel, Add	6.13	
05 59 69 00-0084	SF	1-1/2" #13-F Plain Expanded Metal Panel, 0.57 Lb./SF	7.29	3.60
		For Galvanized, Add	1.10	
		For Aluminum, Add	1.51	
		For 304 Stainless Steel, Add	6.02	
		For 316 Stainless Steel, Add	6.90	
05 59 69 00-0085	SF	1-1/2" #9-F Plain Expanded Metal Panel, 1.14 Lb./SF	11.12	4.86
		For Galvanized, Add	2.04	
		For Aluminum, Add	2.78	
		For 304 Stainless Steel, Add	11.11	
		For 316 Stainless Steel, Add	12.73	

05 70 Decorative Metal ⁽⁰⁵⁾

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs ^(05 70)**05 71 13 Fabricated Metal Spiral Stairs** ^(05 71)

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units ^(05 71 13)

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread ^(05 71 13 00-0001)

05 71 13 00-0003	VLF	3'-6" Diameter, Spiral Steel Stair With Rails	456.85	55.63
		For Galvanized, Add	241.91	
05 71 13 00-0004	VLF	4' Diameter, Spiral Steel Stair With Rails	520.21	61.20
		For Galvanized, Add	278.47	
05 71 13 00-0005	VLF	4'-6" Diameter, Spiral Steel Stair With Rails	575.54	66.76
		For Galvanized, Add	309.41	
05 71 13 00-0006	VLF	5' Diameter, Spiral Steel Stair With Rails	616.81	72.33
		For Galvanized, Add	330.51	

05 73 Decorative Metal Railings ^(05 70)

Note: Factory primed. Includes brackets.

05 73 23 Decorative Metal Railings ^(05 73)**05 73 23 00-0001 Railings; Vertical Square Bars At 6"** ^(05 73 23)

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	76.59	12.24
		For Rake Or Angle Railings, Add	10.68	
		For Curved Railings, Add	20.22	
		For 4" On Center Standards, Add	2.05	
		For 4-1/2" On Center Standards, Add	1.64	
		For 5" On Center Standards, Add	1.09	
		For 5-1/2" On Center Standards, Add	0.55	
		For Each Field Bending Of Rails, Add	14.83	
		For Galvanized, Add	3.82	
05 73 23 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	180.48	16.69
		For Rake Or Angle Railings, Add	19.64	
		For Curved Railings, Add	63.12	
		For 4" On Center Standards, Add	8.45	
		For 4-1/2" On Center Standards, Add	6.76	
		For 5" On Center Standards, Add	4.51	
		For 5-1/2" On Center Standards, Add	2.25	
		For Each Field Bending Of Rails, Add	19.46	
05 73 23 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	192.90	27.82
		For Rake Or Angle Railings, Add	23.89	
		For Curved Railings, Add	59.33	
		For 4" On Center Standards, Add	7.12	
		For 4-1/2" On Center Standards, Add	5.70	
		For 5" On Center Standards, Add	3.80	
		For 5-1/2" On Center Standards, Add	1.90	
		For Each Field Bending Of Rails, Add	26.98	

			Metals 05		05
			Decorative Metal 05 70		
			Decorative Metal Railings 05 73		
MINOR	CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
05 73 23 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	296.44		22.25
		For Rake Or Angle Railings, Add	29.87		
		For Curved Railings, Add	110.41		
		For 4" On Center Standards, Add	15.46		
		For 4-1/2" On Center Standards, Add	12.36		
		For 5" On Center Standards, Add	8.24		
		For 5-1/2" On Center Standards, Add	4.12		
		For Each Field Bending Of Rails, Add	25.09		
05 73 23 00-0006	LF	Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High.....	417.33		33.94
		For Rake Or Angle Railings, Add	35.28		
		For Curved Railings, Add	174.43		
		For 4" On Center Standards, Add	26.21		
		For 4-1/2" On Center Standards, Add	20.97		
		For 5" On Center Standards, Add	13.98		
		For 5-1/2" On Center Standards, Add	6.99		
		For Each Field Bending Of Rails, Add	19.47		
05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports (05 73 23)					
05 73 23 00-0008	LF	2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports.....	178.02		5.57
		For Rake Or Angle Railings, Add	14.00		
		For Curved Railings, Add	77.34		
		For 4" On Center Standards, Add	11.87		
		For 4-1/2" On Center Standards, Add	9.49		
		For 5" On Center Standards, Add	6.33		
		For 5-1/2" On Center Standards, Add	3.16		
		For Each Field Bending Of Rails, Add	7.45		
		For Exterior Post-Installed Anchors, Add	10.68		
05 73 23 00-0009 Plain Handrails (05 73 23)					
05 73 23 00-0010	LF	2" Brass Handrail.....	61.23		12.16
05 73 23 00-0011	EA	90 Degree Angle For 2" Brass Handrail.....	124.26		43.99
05 73 23 00-0012	EA	End Cap For 2" Brass Handrail.....	55.82		22.05
05 73 23 00-0013	EA	Brass Bracket And Joint For 2" Brass Handrail	93.61		43.99
05 73 23 00-0014	LF	2" Stainless Steel Handrail	72.62		15.20
05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing (05 73 23)					
Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0369 for painting.					
05 73 23 00-0016	LF	Refinish Metal Handrail.....	11.88		
05 73 23 00-0017	LF	Refinish Wrought Iron Balustrade.....	11.83		
05 73 23 00-0018 Remove/Reinstall Ornamental Railing (05 73 23)					
05 73 23 00-0019	LF	Removal And Reinstallation Of Ornamental Handrail And Pickets	102.36		
05 75 Decorative Formed Metal (05 70)					
05 75 00 00-0001 Metal Sheets, Installed On Walls (05 75)					
Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.					
05 75 00 00-0002 Copper Sheets, Installed On Walls (05 75 00 00-0001)					
Note: Includes field fabrication.					
05 75 00 00-0003	SF	0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	28.45		2.65
		For >16 To 200, Deduct	-1.62		
		For >200 To 500, Deduct	-3.24		
		For >500, Deduct	-4.67		
05 75 00 00-0004	SF	0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	35.42		2.95
		For >16 To 200, Deduct	-1.99		
		For >200 To 500, Deduct	-3.98		
		For >500, Deduct	-5.76		
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	38.76		3.18
		For >16 To 200, Deduct	-2.18		
		For >200 To 500, Deduct	-4.35		
		For >500, Deduct	-6.29		
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	41.83		3.34
		For >16 To 200, Deduct	-2.34		
		For >200 To 500, Deduct	-4.69		
		For >500, Deduct	-6.78		
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	47.60		3.49
		For >16 To 200, Deduct	-2.64		
		For >200 To 500, Deduct	-5.29		
		For >500, Deduct	-7.67		
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	60.07		3.66
		For >16 To 200, Deduct	-3.28		
		For >200 To 500, Deduct	-6.56		
		For >500, Deduct	-9.56		
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	70.25		3.83
		For >16 To 200, Deduct	-3.80		
		For >200 To 500, Deduct	-7.60		
		For >500, Deduct	-11.11		
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	84.90		4.14
		For >16 To 200, Deduct	-4.56		
		For >200 To 500, Deduct	-9.11		
		For >500, Deduct	-13.36		

05 Metals**05 70 Decorative Metal****05 75 Decorative Formed Metal**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls	104.10	4.46	
		For >16 To 200, Deduct	-5.54		
		For >200 To 500, Deduct	-11.08		
		For >500, Deduct	-16.28		
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls	152.31	4.78	
		For >16 To 200, Deduct	-7.97		
		For >200 To 500, Deduct	-15.95		
		For >500, Deduct	-23.56		
05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls (05 75 00 00-0001)					
Note: Includes field fabrication.					
05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	14.49	2.48	
		For >16 To 200, Deduct	-0.91		
		For >200 To 500, Deduct	-1.82		
		For >500, Deduct	-2.54		
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	16.35	2.67	
		For >16 To 200, Deduct	-1.02		
		For >200 To 500, Deduct	-2.04		
		For >500, Deduct	-2.85		
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	17.76	2.81	
		For >16 To 200, Deduct	-1.10		
		For >200 To 500, Deduct	-2.20		
		For >500, Deduct	-3.09		
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	20.68	2.93	
		For >16 To 200, Deduct	-1.25		
		For >200 To 500, Deduct	-2.51		
		For >500, Deduct	-3.54		
05 75 00 00-0018	SF	0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	23.52	3.07	
		For >16 To 200, Deduct	-1.41		
		For >200 To 500, Deduct	-2.81		
		For >500, Deduct	-3.99		
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	27.08	3.20	
		For >16 To 200, Deduct	-1.59		
		For >200 To 500, Deduct	-3.19		
		For >500, Deduct	-4.54		
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	38.66	3.74	
		For >16 To 200, Deduct	-2.21		
		For >200 To 500, Deduct	-4.43		
		For >500, Deduct	-6.36		
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	51.89	3.97	
		For >16 To 200, Deduct	-2.89		
		For >200 To 500, Deduct	-5.78		
		For >500, Deduct	-8.38		
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	70.82	4.81	
		For >16 To 200, Deduct	-3.90		
		For >200 To 500, Deduct	-7.80		
		For >500, Deduct	-11.34		
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	117.36	5.16	
		For >16 To 200, Deduct	-6.25		
		For >200 To 500, Deduct	-12.51		
		For >500, Deduct	-18.38		
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	149.95	6.00	
		For >16 To 200, Deduct	-7.95		
		For >200 To 500, Deduct	-15.90		
		For >500, Deduct	-23.39		
05 75 00 00-0025 Aluminum Sheets, Installed On Walls (05 75 00 00-0001)					
Note: Includes field fabrication.					
05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	12.25	2.65	
		For >16 To 200, Deduct	-0.81		
		For >200 To 500, Deduct	-1.62		
		For >500, Deduct	-2.24		
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	13.91	2.95	
		For >16 To 200, Deduct	-0.92		
		For >200 To 500, Deduct	-1.83		
		For >500, Deduct	-2.53		
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	15.50	3.18	
		For >16 To 200, Deduct	-1.01		
		For >200 To 500, Deduct	-2.03		
		For >500, Deduct	-2.80		
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	17.14	3.34	
		For >16 To 200, Deduct	-1.11		
		For >200 To 500, Deduct	-2.22		
		For >500, Deduct	-3.07		
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	18.78	3.49	
		For >16 To 200, Deduct	-1.20		
		For >200 To 500, Deduct	-2.40		
		For >500, Deduct	-3.34		
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	20.58	3.66	
		For >16 To 200, Deduct	-1.30		
		For >200 To 500, Deduct	-2.61		
		For >500, Deduct	-3.64		
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	22.78	3.83	
		For >16 To 200, Deduct	-1.43		
		For >200 To 500, Deduct	-2.85		
		For >500, Deduct	-3.99		

			Metals	05	05
			Decorative Metal	05 70	
			Decorative Formed Metal	05 75	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	27.08	4.46
		For >16 To 200, Deduct	-1.69	
		For >200 To 500, Deduct	-3.38	
		For >500, Deduct	-4.73	
05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls (05 75 00 00-0001)				
Note: Includes field fabrication.				
05 75 00 00-0035	SF	0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.71	2.65
		For >16 To 200, Deduct	-0.73	
		For >200 To 500, Deduct	-1.47	
		For >500, Deduct	-2.00	
05 75 00 00-0036	SF	0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.88	2.95
		For >16 To 200, Deduct	-0.82	
		For >200 To 500, Deduct	-1.63	
		For >500, Deduct	-2.22	
05 75 00 00-0037	SF	0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.66	3.18
		For >16 To 200, Deduct	-0.87	
		For >200 To 500, Deduct	-1.74	
		For >500, Deduct	-2.38	
05 75 00 00-0038	SF	0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.42	3.34
		For >16 To 200, Deduct	-0.92	
		For >200 To 500, Deduct	-1.84	
		For >500, Deduct	-2.52	
05 75 00 00-0039	SF	0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	14.40	3.49
		For >16 To 200, Deduct	-0.98	
		For >200 To 500, Deduct	-1.97	
		For >500, Deduct	-2.69	
05 75 00 00-0040	SF	0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	15.44	3.66
		For >16 To 200, Deduct	-1.05	
		For >200 To 500, Deduct	-2.09	
		For >500, Deduct	-2.87	
05 75 00 00-0041	SF	0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	17.06	3.83
		For >16 To 200, Deduct	-1.14	
		For >200 To 500, Deduct	-2.28	
		For >500, Deduct	-3.13	
05 75 00 00-0042	SF	0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	19.43	4.14
		For >16 To 200, Deduct	-1.28	
		For >200 To 500, Deduct	-2.56	
		For >500, Deduct	-3.54	
05 75 00 00-0043	SF	0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	22.40	4.78
		For >16 To 200, Deduct	-1.48	
		For >200 To 500, Deduct	-2.96	
		For >500, Deduct	-4.08	
05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls (05 75 00 00-0001)				
Note: Includes field fabrication.				
05 75 00 00-0045	SF	0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	13.83	2.51
		For >16 To 200, Deduct	-0.94	
		For >200 To 500, Deduct	-1.89	
		For >500, Deduct	-2.58	
05 75 00 00-0046	SF	0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	15.92	2.85
		For >16 To 200, Deduct	-1.08	
		For >200 To 500, Deduct	-2.16	
		For >500, Deduct	-2.96	
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	17.99	3.16
		For >16 To 200, Deduct	-1.22	
		For >200 To 500, Deduct	-2.43	
		For >500, Deduct	-3.33	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	19.81	3.41
		For >16 To 200, Deduct	-1.33	
		For >200 To 500, Deduct	-2.66	
		For >500, Deduct	-3.65	

END OF SECTION 05

05	05	Metals
	05 70	Decorative Metal
	05 75	Decorative Formed Metal



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites (06)

06 01 20 Maintenance of Finish Carpentry (06 01)

06 01 20 91 Finish Carpentry Restoration (06 01 20)

06 01 20 91-0001 Wood Trim Repair (06 01 20 91)

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork	10.23
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Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.

06 01 40 Maintenance of Architectural Woodwork (06 01)

06 01 40 51 Architectural Woodwork Cleaning (06 01 40)

See CSI section 09 01 90 52-0035 for cleaning of wood surfaces.

06 01 40 91 Architectural Woodwork Restoration (06 01 40)

06 01 40 91-0001 Cabinet Hardware Replacement (06 01 40 91)

06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	47.40
06 01 40 91-0003	EA	Removal And Replacement Of Semi-Concealed, Brass Cabinet Hinges	46.96

06 05 Common Work Results for Wood, Plastics, and Composites (06)

06 05 23 Wood, Plastic, and Composite Fastenings (06 05)

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts (06 05 23)

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt	15.38
		For >10 To 50, Deduct	-0.48
		For >50 To 100, Deduct	-1.11
		For >100 To 250, Deduct	-2.22
		For >250 To 500, Deduct	-3.82
		For >500, Deduct	-5.41
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	20.37
		For >10 To 50, Deduct	-0.52
		For >50 To 100, Deduct	-1.29
		For >100 To 250, Deduct	-2.58
		For >250 To 500, Deduct	-4.40
		For >500, Deduct	-6.21
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	22.33
		For >10 To 50, Deduct	-0.52
		For >50 To 100, Deduct	-1.34
		For >100 To 250, Deduct	-2.68
		For >250 To 500, Deduct	-4.55
		For >500, Deduct	-6.41
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt	43.88
		For >10 To 50, Deduct	-0.71
		For >50 To 100, Deduct	-2.17
		For >100 To 250, Deduct	-4.34
		For >250 To 500, Deduct	-7.22
		For >500, Deduct	-10.10

06 05 23 00-0006 Framing Anchors (06 05 23)

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)	8.45	4.07
		For >10 To 50, Deduct	-0.39	
		For >50 To 100, Deduct	-0.79	
		For >100 To 250, Deduct	-1.59	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.95	
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)	9.45	4.47
		For >10 To 50, Deduct	-0.44	
		For >50 To 100, Deduct	-0.89	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-3.11	
		For >500, Deduct	-4.43	

06 05 23 00-0009 Angle Anchors (06 05 23)

Note: Including nails.

06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)	8.54	4.07
		For >10 To 50, Deduct	-0.39	
		For >50 To 100, Deduct	-0.79	
		For >100 To 250, Deduct	-1.59	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.95	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0011	EA	2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23)	9.33	4.34
		For >10 To 50, Deduct	-0.41	
		For >50 To 100, Deduct	-0.85	
		For >100 To 250, Deduct	-1.71	
		For >250 To 500, Deduct	-2.97	
		For >500, Deduct	-4.24	
06 05 23 00-0012	EA	3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24)	15.14	4.47
		For >10 To 50, Deduct	-0.44	
		For >50 To 100, Deduct	-1.03	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-3.53	
		For >500, Deduct	-5.00	
06 05 23 00-0013	EA	3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33)	13.78	4.47
		For >10 To 50, Deduct	-0.44	
		For >50 To 100, Deduct	-1.00	
		For >100 To 250, Deduct	-2.00	
		For >250 To 500, Deduct	-3.43	
		For >500, Deduct	-4.87	
06 05 23 00-0014	EA	4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44)	15.07	5.02
		For >10 To 50, Deduct	-0.48	
		For >50 To 100, Deduct	-1.10	
		For >100 To 250, Deduct	-2.19	
		For >250 To 500, Deduct	-3.77	
		For >500, Deduct	-5.35	
06 05 23 00-0015	EA	5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66)	16.99	5.29
		For >10 To 50, Deduct	-0.52	
		For >50 To 100, Deduct	-1.20	
		For >100 To 250, Deduct	-2.40	
		For >250 To 500, Deduct	-4.11	
		For >500, Deduct	-5.83	

06 05 23 00-0016 Reinforcing Angle Wood Construction Connectors (06 05 23)

Note: Including nails.

06 05 23 00-0017	EA	3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	9.26	3.80
		For >10 To 50, Deduct	-0.39	
		For >50 To 100, Deduct	-0.81	
		For >100 To 250, Deduct	-1.63	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-4.03	
06 05 23 00-0018	EA	5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	11.20	4.07
		For >10 To 50, Deduct	-0.41	
		For >50 To 100, Deduct	-0.90	
		For >100 To 250, Deduct	-1.79	
		For >250 To 500, Deduct	-3.10	
		For >500, Deduct	-4.40	
06 05 23 00-0019	EA	7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	12.60	4.20
		For >10 To 50, Deduct	-0.42	
		For >50 To 100, Deduct	-0.95	
		For >100 To 250, Deduct	-1.90	
		For >250 To 500, Deduct	-3.28	
		For >500, Deduct	-4.65	
06 05 23 00-0020	EA	9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	13.90	4.34
		For >10 To 50, Deduct	-0.45	
		For >50 To 100, Deduct	-1.02	
		For >100 To 250, Deduct	-2.03	
		For >250 To 500, Deduct	-3.49	
		For >500, Deduct	-4.95	
06 05 23 00-0021	EA	3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30)	9.99	3.80
		For >10 To 50, Deduct	-0.39	
		For >50 To 100, Deduct	-0.83	
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.88	
		For >500, Deduct	-4.10	
06 05 23 00-0022	EA	4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50)	10.95	4.07
		For >10 To 50, Deduct	-0.41	
		For >50 To 100, Deduct	-0.89	
		For >100 To 250, Deduct	-1.78	
		For >250 To 500, Deduct	-3.08	
		For >500, Deduct	-4.38	
06 05 23 00-0023	EA	6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70)	12.54	4.20
		For >10 To 50, Deduct	-0.42	
		For >50 To 100, Deduct	-0.95	
		For >100 To 250, Deduct	-1.90	
		For >250 To 500, Deduct	-3.27	
		For >500, Deduct	-4.65	
06 05 23 00-0024	EA	7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90)	14.68	4.34
		For >10 To 50, Deduct	-0.45	
		For >50 To 100, Deduct	-1.03	
		For >100 To 250, Deduct	-2.07	
		For >250 To 500, Deduct	-3.55	
		For >500, Deduct	-5.03	

06 05 23 00-0025 Hold Down Anchors (06 05 23)

Note: Including nails.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0026	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	64.53		
		For >10 To 50, Deduct	-2.10		
		For >50 To 100, Deduct	-4.77		
		For >100 To 250, Deduct	-9.53		
		For >250 To 500, Deduct	-16.40		
		For >500, Deduct	-23.27		
06 05 23 00-0027	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	87.61		
		For >10 To 50, Deduct	-2.17		
		For >50 To 100, Deduct	-5.44		
		For >100 To 250, Deduct	-10.89		
		For >250 To 500, Deduct	-18.50		
		For >500, Deduct	-26.12		
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	106.74		
		For >10 To 50, Deduct	-2.31		
		For >50 To 100, Deduct	-6.13		
		For >100 To 250, Deduct	-12.25		
		For >250 To 500, Deduct	-20.69		
		For >500, Deduct	-29.12		
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	125.45		
		For >10 To 50, Deduct	-2.58		
		For >50 To 100, Deduct	-7.00		
		For >100 To 250, Deduct	-14.00		
		For >250 To 500, Deduct	-23.58		
		For >500, Deduct	-33.15		
06 05 23 00-0030	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12)	199.94		
		For >10 To 50, Deduct	-3.25		
		For >50 To 100, Deduct	-9.88		
		For >100 To 250, Deduct	-19.76		
		For >250 To 500, Deduct	-32.90		
		For >500, Deduct	-46.03		
06 05 23 00-0031	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19)	265.74		
		For >10 To 50, Deduct	-3.39		
		For >50 To 100, Deduct	-11.73		
		For >100 To 250, Deduct	-23.46		
		For >250 To 500, Deduct	-38.58		
		For >500, Deduct	-53.69		
06 05 23 00-0032	EA	8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5)	74.64		
		For >10 To 50, Deduct	-2.10		
		For >50 To 100, Deduct	-5.02		
		For >100 To 250, Deduct	-10.04		
		For >250 To 500, Deduct	-17.16		
		For >500, Deduct	-24.28		
06 05 23 00-0033	EA	10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5)	82.03		
		For >10 To 50, Deduct	-2.17		
		For >50 To 100, Deduct	-5.31		
		For >100 To 250, Deduct	-10.61		
		For >250 To 500, Deduct	-18.08		
		For >500, Deduct	-25.56		
06 05 23 00-0034	EA	13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5)	91.43		
		For >10 To 50, Deduct	-2.31		
		For >50 To 100, Deduct	-5.74		
		For >100 To 250, Deduct	-11.49		
		For >250 To 500, Deduct	-19.54		
		For >500, Deduct	-27.59		
06 05 23 00-0035	EA	16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5)	111.92		
		For >10 To 50, Deduct	-2.58		
		For >50 To 100, Deduct	-6.66		
		For >100 To 250, Deduct	-13.32		
		For >250 To 500, Deduct	-22.56		
		For >500, Deduct	-31.80		
06 05 23 00-0036	EA	22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5)	143.91		
		For >10 To 50, Deduct	-3.25		
		For >50 To 100, Deduct	-8.48		
		For >100 To 250, Deduct	-16.96		
		For >250 To 500, Deduct	-28.69		
		For >500, Deduct	-40.43		
06 05 23 00-0037	EA	25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5)	159.88		
		For >10 To 50, Deduct	-3.39		
		For >50 To 100, Deduct	-9.08		
		For >100 To 250, Deduct	-18.16		
		For >250 To 500, Deduct	-30.64		
		For >500, Deduct	-43.11		
06 05 23 00-0038	Joist And Beam Hangers (06 05 23)				
	Note: Including nails.				
06 05 23 00-0039	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24)	8.91		3.80
		For >10 To 50, Deduct	-0.39		
		For >50 To 100, Deduct	-0.80		
		For >100 To 250, Deduct	-1.61		
		For >250 To 500, Deduct	-2.80		
		For >500, Deduct	-3.99		

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 05 23 00-0040	EA 18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28).....	9.84		4.07
	For >10 To 50, Deduct	-0.41		
	For >50 To 100, Deduct	-0.86		
	For >100 To 250, Deduct	-1.72		
	For >250 To 500, Deduct	-3.00		
	For >500, Deduct	-4.27		
06 05 23 00-0041	EA 16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36)	13.27		4.20
	For >10 To 50, Deduct	-0.42		
	For >50 To 100, Deduct	-0.97		
	For >100 To 250, Deduct	-1.94		
	For >250 To 500, Deduct	-3.33		
	For >500, Deduct	-4.72		
06 05 23 00-0042	EA 16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310)	14.38		4.34
	For >10 To 50, Deduct	-0.45		
	For >50 To 100, Deduct	-1.03		
	For >100 To 250, Deduct	-2.05		
	For >250 To 500, Deduct	-3.53		
	For >500, Deduct	-5.00		
06 05 23 00-0043	EA 14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46).....	21.19		4.61
	For >10 To 50, Deduct	-0.46		
	For >50 To 100, Deduct	-1.22		
	For >100 To 250, Deduct	-2.43		
	For >250 To 500, Deduct	-4.11		
	For >500, Deduct	-5.78		
06 05 23 00-0044	EA 14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412).....	24.98		4.75
	For >10 To 50, Deduct	-0.47		
	For >50 To 100, Deduct	-1.33		
	For >100 To 250, Deduct	-2.66		
	For >250 To 500, Deduct	-4.45		
	For >500, Deduct	-6.25		
06 05 23 00-0045	Anchor And Ties (06 05 23)			
	Note: Including nails.			
06 05 23 00-0046	EA 12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4).....	36.78		
	Note: Includes nails. Excludes anchor bolt.			
06 05 23 00-0047	EA 16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5).....	45.52		
	Note: Includes nails. Excludes anchor bolt.			
06 05 23 00-0048	EA 16 Gauge, Zinc Galvanized Finish Mud sill Anchor (Simpson Strong Tie® MASAZ).....	5.20		
06 05 23 00-0049	EA 16 Gauge, Zinc Galvanized Finish Mud sill Anchor (Simpson Strong Tie® MASBZ).....	5.79		
06 05 23 00-0050	Hurricane Ties (06 05 23)			
06 05 23 00-0051	EA 6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A).....	9.90		4.20
	For >10 To 50, Deduct	-0.47		
	For >50 To 100, Deduct	-0.95		
	For >100 To 250, Deduct	-1.90		
	For >250 To 500, Deduct	-3.31		
	For >500, Deduct	-4.73		
06 05 23 00-0052	EA 6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ).....	3.48		
06 05 23 00-0053	EA 6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS)	8.59		
06 05 23 00-0054	EA 10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A)	11.80		4.20
	For >10 To 50, Deduct	-0.47		
	For >50 To 100, Deduct	-1.00		
	For >100 To 250, Deduct	-1.99		
	For >250 To 500, Deduct	-3.46		
	For >500, Deduct	-4.92		
06 05 23 00-0055	EA 19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6).....	18.17		
06 05 23 00-0056	Post Column Bases (06 05 23)			
	Note: Including nails.			
06 05 23 00-0057	EA Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44).....	33.32		
06 05 23 00-0058	EA Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46)	50.63		
06 05 23 00-0059	EA Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66)	52.16		
06 05 23 00-0060	Post Column Caps (06 05 23)			
	Note: Including nails.			
06 05 23 00-0061	EA 4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	19.25		4.75
	For >10 To 50, Deduct	-0.52		
	For >50 To 100, Deduct	-1.26		
	For >100 To 250, Deduct	-2.53		
	For >250 To 500, Deduct	-4.31		
	For >500, Deduct	-6.10		
06 05 23 00-0062	EA 6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	40.20		4.75
	For >10 To 50, Deduct	-0.55		
	For >50 To 100, Deduct	-1.83		
	For >100 To 250, Deduct	-3.66		
	For >250 To 500, Deduct	-6.04		
	For >500, Deduct	-8.42		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0063 EA 3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4).....	193.54	
Note: Excludes field welding		
For >10 To 50, Deduct	-1.36	
For >50 To 100, Deduct	-6.87	
For >100 To 250, Deduct	-13.75	
For >250 To 500, Deduct	-21.97	
For >500, Deduct	-30.20	
For Hot Dipped Galvanized, Add	74.89	
06 05 23 00-0064 EA 3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6).....	201.98	
For >10 To 50, Deduct	-1.53	
For >50 To 100, Deduct	-7.34	
For >100 To 250, Deduct	-14.68	
For >250 To 500, Deduct	-23.54	
For >500, Deduct	-32.40	
For Hot Dipped Galvanized, Add	77.16	
06 05 23 00-0065 EA 4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44).....	126.14	
Note: Excludes field welding		
For >10 To 50, Deduct	-1.36	
For >50 To 100, Deduct	-5.19	
For >100 To 250, Deduct	-10.38	
For >250 To 500, Deduct	-16.92	
For >500, Deduct	-23.46	
For Hot Dipped Galvanized, Add	44.56	
06 05 23 00-0066 EA 4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46).....	197.88	
For >10 To 50, Deduct	-1.53	
For >50 To 100, Deduct	-7.24	
For >100 To 250, Deduct	-14.47	
For >250 To 500, Deduct	-23.23	
For >500, Deduct	-31.99	
For Hot Dipped Galvanized, Add	75.32	
06 05 23 00-0067 EA 4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48).....	206.73	
Note: Excludes field welding		
For >10 To 50, Deduct	-1.53	
For >50 To 100, Deduct	-7.46	
For >100 To 250, Deduct	-14.91	
For >250 To 500, Deduct	-23.90	
For >500, Deduct	-32.88	
For Hot Dipped Galvanized, Add	79.30	
06 05 23 00-0068 EA 6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64).....	210.91	
For >10 To 50, Deduct	-1.46	
For >50 To 100, Deduct	-7.46	
For >100 To 250, Deduct	-14.92	
For >250 To 500, Deduct	-23.84	
For >500, Deduct	-32.76	
For Hot Dipped Galvanized, Add	81.79	
06 05 23 00-0069 EA 6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66).....	213.62	
For >10 To 50, Deduct	-1.59	
For >50 To 100, Deduct	-7.73	
For >100 To 250, Deduct	-15.46	
For >250 To 500, Deduct	-24.79	
For >500, Deduct	-34.11	
For Hot Dipped Galvanized, Add	81.79	
06 05 23 00-0070 EA 6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68).....	213.62	
For >10 To 50, Deduct	-1.59	
For >50 To 100, Deduct	-7.73	
For >100 To 250, Deduct	-15.46	
For >250 To 500, Deduct	-24.79	
For >500, Deduct	-34.11	
For Hot Dipped Galvanized, Add	81.79	
06 05 23 00-0071 EA 5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4).....	245.64	
For >10 To 50, Deduct	-1.46	
For >50 To 100, Deduct	-8.33	
For >100 To 250, Deduct	-16.66	
For >250 To 500, Deduct	-26.44	
For >500, Deduct	-36.23	
For Hot Dipped Galvanized, Add	97.42	
06 05 23 00-0072 EA 5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6).....	248.35	
For >10 To 50, Deduct	-1.59	
For >50 To 100, Deduct	-8.60	
For >100 To 250, Deduct	-17.20	
For >250 To 500, Deduct	-27.39	
For >500, Deduct	-37.58	
For Hot Dipped Galvanized, Add	97.42	
06 05 23 00-0073 EA 5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8).....	248.35	
For >10 To 50, Deduct	-1.59	
For >50 To 100, Deduct	-8.60	
For >100 To 250, Deduct	-17.20	
For >250 To 500, Deduct	-27.39	
For >500, Deduct	-37.58	
For Hot Dipped Galvanized, Add	97.42	
06 05 23 00-0074 EA 8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84).....	299.41	
For >10 To 50, Deduct	-1.46	
For >50 To 100, Deduct	-9.67	
For >100 To 250, Deduct	-19.34	
For >250 To 500, Deduct	-30.47	
For >500, Deduct	-41.61	
For Hot Dipped Galvanized, Add	121.61	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 05 23 00-0075	EA 8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86).....	302.12		
	For >10 To 50, Deduct	-1.59		
	For >50 To 100, Deduct	-9.94		
	For >100 To 250, Deduct	-19.89		
	For >250 To 500, Deduct	-31.42		
	For >500, Deduct	-42.96		
	For Hot Dipped Galvanized, Add	121.61		
06 05 23 00-0076	EA 8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88).....	302.12		
	For >10 To 50, Deduct	-1.59		
	For >50 To 100, Deduct	-9.94		
	For >100 To 250, Deduct	-19.89		
	For >250 To 500, Deduct	-31.42		
	For >500, Deduct	-42.96		
	For Hot Dipped Galvanized, Add	121.61		
06 05 23 00-0077	EA 3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4).....	193.54		
	Note: Excludes field welding			
	For >10 To 50, Deduct	-1.36		
	For >50 To 100, Deduct	-6.87		
	For >100 To 250, Deduct	-13.75		
	For >250 To 500, Deduct	-21.97		
	For >500, Deduct	-30.20		
	For Hot Dipped Galvanized, Add	74.89		
06 05 23 00-0078	EA 3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6).....	201.98		
	For >10 To 50, Deduct	-1.53		
	For >50 To 100, Deduct	-7.34		
	For >100 To 250, Deduct	-14.68		
	For >250 To 500, Deduct	-23.54		
	For >500, Deduct	-32.40		
	For Hot Dipped Galvanized, Add	77.16		
06 05 23 00-0079	EA 4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44).....	126.14		
	Note: Excludes field welding			
	For >10 To 50, Deduct	-1.36		
	For >50 To 100, Deduct	-5.19		
	For >100 To 250, Deduct	-10.38		
	For >250 To 500, Deduct	-16.92		
	For >500, Deduct	-23.46		
	For Hot Dipped Galvanized, Add	44.56		
06 05 23 00-0080	EA 4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46).....	197.88		
	For >10 To 50, Deduct	-1.53		
	For >50 To 100, Deduct	-7.24		
	For >100 To 250, Deduct	-14.47		
	For >250 To 500, Deduct	-23.23		
	For >500, Deduct	-31.99		
	For Hot Dipped Galvanized, Add	75.32		
06 05 23 00-0081	EA 4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48).....	206.73		
	Note: Excludes field welding			
	For >10 To 50, Deduct	-1.53		
	For >50 To 100, Deduct	-7.46		
	For >100 To 250, Deduct	-14.91		
	For >250 To 500, Deduct	-23.90		
	For >500, Deduct	-32.88		
	For Hot Dipped Galvanized, Add	79.30		
06 05 23 00-0082	EA 6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64).....	210.91		
	For >10 To 50, Deduct	-1.46		
	For >50 To 100, Deduct	-7.46		
	For >100 To 250, Deduct	-14.92		
	For >250 To 500, Deduct	-23.84		
	For >500, Deduct	-32.76		
	For Hot Dipped Galvanized, Add	81.79		
06 05 23 00-0083	EA 6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66).....	213.62		
	For >10 To 50, Deduct	-1.59		
	For >50 To 100, Deduct	-7.73		
	For >100 To 250, Deduct	-15.46		
	For >250 To 500, Deduct	-24.79		
	For >500, Deduct	-34.11		
	For Hot Dipped Galvanized, Add	81.79		
06 05 23 00-0084	EA 6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68).....	213.62		
	For >10 To 50, Deduct	-1.59		
	For >50 To 100, Deduct	-7.73		
	For >100 To 250, Deduct	-15.46		
	For >250 To 500, Deduct	-24.79		
	For >500, Deduct	-34.11		
	For Hot Dipped Galvanized, Add	81.79		
06 05 23 00-0085	EA 5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4).....	245.64		
	For >10 To 50, Deduct	-1.46		
	For >50 To 100, Deduct	-8.33		
	For >100 To 250, Deduct	-16.66		
	For >250 To 500, Deduct	-26.44		
	For >500, Deduct	-36.23		
	For Hot Dipped Galvanized, Add	97.42		
06 05 23 00-0086	EA 5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6).....	248.35		
	For >10 To 50, Deduct	-1.59		
	For >50 To 100, Deduct	-8.60		
	For >100 To 250, Deduct	-17.20		
	For >250 To 500, Deduct	-27.39		
	For >500, Deduct	-37.58		
	For Hot Dipped Galvanized, Add	97.42		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0087	EA		5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8).....	248.35	
			For >10 To 50, Deduct	-1.59	
			For >50 To 100, Deduct	-8.60	
			For >100 To 250, Deduct	-17.20	
			For >250 To 500, Deduct	-27.39	
			For >500, Deduct	-37.58	
			For Hot Dipped Galvanized, Add	97.42	
06 05 23 00-0088	EA		8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84).....	299.41	
			For >10 To 50, Deduct	-1.46	
			For >50 To 100, Deduct	-9.67	
			For >100 To 250, Deduct	-19.34	
			For >250 To 500, Deduct	-30.47	
			For >500, Deduct	-41.61	
			For Hot Dipped Galvanized, Add	121.61	
06 05 23 00-0089	EA		8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86).....	302.12	
			For >10 To 50, Deduct	-1.59	
			For >50 To 100, Deduct	-9.94	
			For >100 To 250, Deduct	-19.89	
			For >250 To 500, Deduct	-31.42	
			For >500, Deduct	-42.96	
			For Hot Dipped Galvanized, Add	121.61	
06 05 23 00-0090	EA		8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88).....	302.12	
			For >10 To 50, Deduct	-1.59	
			For >50 To 100, Deduct	-9.94	
			For >100 To 250, Deduct	-19.89	
			For >250 To 500, Deduct	-31.42	
			For >500, Deduct	-42.96	
			For Hot Dipped Galvanized, Add	121.61	
06 05 23 00-0091			Rafter Connectors (06 05 23)		
06 05 23 00-0092	EA		Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR).....	11.51	4.20
			For >10 To 50, Deduct	-0.47	
			For >50 To 100, Deduct	-0.99	
			For >100 To 250, Deduct	-1.98	
			For >250 To 500, Deduct	-3.43	
			For >500, Deduct	-4.89	
06 05 23 00-0093			Bolts And Fasteners (06 05 23)		
06 05 23 00-0094			Carriage Bolts (06 05 23 00-0093)		
			Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0095			Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0094)		
06 05 23 00-0096	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	18.00	
			For >10 To 50, Deduct	-0.88	
			For >50 To 100, Deduct	-1.77	
			For >100 To 250, Deduct	-3.54	
			For >250 To 500, Deduct	-6.20	
			For >500, Deduct	-8.85	
06 05 23 00-0097	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	18.16	
			For >10 To 50, Deduct	-0.88	
			For >50 To 100, Deduct	-1.78	
			For >100 To 250, Deduct	-3.55	
			For >250 To 500, Deduct	-6.21	
			For >500, Deduct	-8.86	
06 05 23 00-0098	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	18.26	
			For >10 To 50, Deduct	-0.88	
			For >50 To 100, Deduct	-1.78	
			For >100 To 250, Deduct	-3.56	
			For >250 To 500, Deduct	-6.22	
			For >500, Deduct	-8.87	
06 05 23 00-0099	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	21.28	
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-2.06	
			For >100 To 250, Deduct	-4.12	
			For >250 To 500, Deduct	-7.19	
			For >500, Deduct	-10.26	
06 05 23 00-0100	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	19.80	
			For >10 To 50, Deduct	-0.95	
			For >50 To 100, Deduct	-1.92	
			For >100 To 250, Deduct	-3.84	
			For >250 To 500, Deduct	-6.70	
			For >500, Deduct	-9.57	
06 05 23 00-0101	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	21.43	
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-2.06	
			For >100 To 250, Deduct	-4.12	
			For >250 To 500, Deduct	-7.20	
			For >500, Deduct	-10.28	
06 05 23 00-0102	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	21.69	
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-2.07	
			For >100 To 250, Deduct	-4.14	
			For >250 To 500, Deduct	-7.22	
			For >500, Deduct	-10.31	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0103	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.95	
		For >10 To 50, Deduct	-1.22	
		For >50 To 100, Deduct	-2.48	
		For >100 To 250, Deduct	-4.96	
		For >250 To 500, Deduct	-8.66	
		For >500, Deduct	-12.36	
06 05 23 00-0104	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.10	
		For >10 To 50, Deduct	-1.29	
		For >50 To 100, Deduct	-2.64	
		For >100 To 250, Deduct	-5.27	
		For >250 To 500, Deduct	-9.19	
		For >500, Deduct	-13.12	
06 05 23 00-0105	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	31.59	
		For >10 To 50, Deduct	-1.42	
		For >50 To 100, Deduct	-2.93	
		For >100 To 250, Deduct	-5.85	
		For >250 To 500, Deduct	-10.20	
		For >500, Deduct	-14.55	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.99	
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.08	
		For >100 To 250, Deduct	-4.15	
		For >250 To 500, Deduct	-7.24	
		For >500, Deduct	-10.34	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	24.03	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.23	
		For >100 To 250, Deduct	-4.46	
		For >250 To 500, Deduct	-7.77	
		For >500, Deduct	-11.08	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.60	
		For >10 To 50, Deduct	-1.15	
		For >50 To 100, Deduct	-2.37	
		For >100 To 250, Deduct	-4.74	
		For >250 To 500, Deduct	-8.26	
		For >500, Deduct	-11.78	
06 05 23 00-0109	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.70	
		For >10 To 50, Deduct	-1.29	
		For >50 To 100, Deduct	-2.65	
		For >100 To 250, Deduct	-5.30	
		For >250 To 500, Deduct	-9.24	
		For >500, Deduct	-13.18	
06 05 23 00-0110	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	33.68	
		For >10 To 50, Deduct	-1.49	
		For >50 To 100, Deduct	-3.08	
		For >100 To 250, Deduct	-6.16	
		For >250 To 500, Deduct	-10.73	
		For >500, Deduct	-15.30	
06 05 23 00-0111	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	37.63	
		For >10 To 50, Deduct	-1.63	
		For >50 To 100, Deduct	-3.38	
		For >100 To 250, Deduct	-6.76	
		For >250 To 500, Deduct	-11.77	
		For >500, Deduct	-16.78	
06 05 23 00-0112	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.66	
		For >10 To 50, Deduct	-1.22	
		For >50 To 100, Deduct	-2.57	
		For >100 To 250, Deduct	-5.14	
		For >250 To 500, Deduct	-8.94	
		For >500, Deduct	-12.73	
06 05 23 00-0113	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.08	
		For >10 To 50, Deduct	-1.29	
		For >50 To 100, Deduct	-2.73	
		For >100 To 250, Deduct	-5.47	
		For >250 To 500, Deduct	-9.49	
		For >500, Deduct	-13.52	
06 05 23 00-0114	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	38.31	
		For >10 To 50, Deduct	-1.49	
		For >50 To 100, Deduct	-3.20	
		For >100 To 250, Deduct	-6.39	
		For >250 To 500, Deduct	-11.08	
		For >500, Deduct	-15.76	
06 05 23 00-0115	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	42.80	
		For >10 To 50, Deduct	-1.56	
		For >50 To 100, Deduct	-3.41	
		For >100 To 250, Deduct	-6.82	
		For >250 To 500, Deduct	-11.79	
		For >500, Deduct	-16.76	
06 05 23 00-0116	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	46.48	
		For >10 To 50, Deduct	-1.70	
		For >50 To 100, Deduct	-3.70	
		For >100 To 250, Deduct	-7.41	
		For >250 To 500, Deduct	-12.81	
		For >500, Deduct	-18.21	
06 05 23 00-0117	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	47.48	
		For >10 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-3.83	
		For >100 To 250, Deduct	-7.66	
		For >250 To 500, Deduct	-13.26	
		For >500, Deduct	-18.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0118			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0094)		
06 05 23 00-0119	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.29	
			For >10 To 50, Deduct	-0.88	
			For >50 To 100, Deduct	-1.78	
			For >100 To 250, Deduct	-3.56	
			For >250 To 500, Deduct	-6.22	
			For >500, Deduct	-8.88	
06 05 23 00-0120	EA		1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.60	
			For >10 To 50, Deduct	-0.88	
			For >50 To 100, Deduct	-1.79	
			For >100 To 250, Deduct	-3.57	
			For >250 To 500, Deduct	-6.24	
			For >500, Deduct	-8.91	
06 05 23 00-0121	EA		1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.94	
			For >10 To 50, Deduct	-0.88	
			For >50 To 100, Deduct	-1.80	
			For >100 To 250, Deduct	-3.59	
			For >250 To 500, Deduct	-6.27	
			For >500, Deduct	-8.94	
06 05 23 00-0122	EA		1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.43	
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-2.09	
			For >100 To 250, Deduct	-4.17	
			For >250 To 500, Deduct	-7.28	
			For >500, Deduct	-10.38	
06 05 23 00-0123	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.21	
			For >10 To 50, Deduct	-0.95	
			For >50 To 100, Deduct	-1.93	
			For >100 To 250, Deduct	-3.86	
			For >250 To 500, Deduct	-6.74	
			For >500, Deduct	-9.61	
06 05 23 00-0124	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.07	
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-2.08	
			For >100 To 250, Deduct	-4.15	
			For >250 To 500, Deduct	-7.25	
			For >500, Deduct	-10.34	
06 05 23 00-0125	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.45	
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-2.09	
			For >100 To 250, Deduct	-4.17	
			For >250 To 500, Deduct	-7.28	
			For >500, Deduct	-10.38	
06 05 23 00-0126	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	27.10	
			For >10 To 50, Deduct	-1.22	
			For >50 To 100, Deduct	-2.51	
			For >100 To 250, Deduct	-5.02	
			For >250 To 500, Deduct	-8.75	
			For >500, Deduct	-12.47	
06 05 23 00-0127	EA		3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.39	
			For >10 To 50, Deduct	-1.29	
			For >50 To 100, Deduct	-2.67	
			For >100 To 250, Deduct	-5.34	
			For >250 To 500, Deduct	-9.29	
			For >500, Deduct	-13.25	
06 05 23 00-0128	EA		3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.79	
			For >10 To 50, Deduct	-1.42	
			For >50 To 100, Deduct	-2.96	
			For >100 To 250, Deduct	-5.91	
			For >250 To 500, Deduct	-10.29	
			For >500, Deduct	-14.67	
06 05 23 00-0129	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.95	
			For >10 To 50, Deduct	-1.02	
			For >50 To 100, Deduct	-2.10	
			For >100 To 250, Deduct	-4.20	
			For >250 To 500, Deduct	-7.31	
			For >500, Deduct	-10.43	
06 05 23 00-0130	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.79	
			For >10 To 50, Deduct	-1.09	
			For >50 To 100, Deduct	-2.25	
			For >100 To 250, Deduct	-4.49	
			For >250 To 500, Deduct	-7.83	
			For >500, Deduct	-11.16	
06 05 23 00-0131	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	26.50	
			For >10 To 50, Deduct	-1.15	
			For >50 To 100, Deduct	-2.39	
			For >100 To 250, Deduct	-4.78	
			For >250 To 500, Deduct	-8.33	
			For >500, Deduct	-11.87	
06 05 23 00-0132	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	30.00	
			For >10 To 50, Deduct	-1.29	
			For >50 To 100, Deduct	-2.68	
			For >100 To 250, Deduct	-5.37	
			For >250 To 500, Deduct	-9.34	
			For >500, Deduct	-13.31	
06 05 23 00-0133	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	34.95	
			For >10 To 50, Deduct	-1.49	
			For >50 To 100, Deduct	-3.11	
			For >100 To 250, Deduct	-6.22	
			For >250 To 500, Deduct	-10.82	
			For >500, Deduct	-15.43	

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0134	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	38.61	
		For >10 To 50, Deduct	-1.63	
		For >50 To 100, Deduct	-3.41	
		For >100 To 250, Deduct	-6.81	
		For >250 To 500, Deduct	-11.84	
		For >500, Deduct	-16.88	
06 05 23 00-0135	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.56	
		For >10 To 50, Deduct	-1.22	
		For >50 To 100, Deduct	-2.64	
		For >100 To 250, Deduct	-5.29	
		For >250 To 500, Deduct	-9.15	
		For >500, Deduct	-13.02	
06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	34.10	
		For >10 To 50, Deduct	-1.29	
		For >50 To 100, Deduct	-2.79	
		For >100 To 250, Deduct	-5.57	
		For >250 To 500, Deduct	-9.64	
		For >500, Deduct	-13.72	
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	39.75	
		For >10 To 50, Deduct	-1.49	
		For >50 To 100, Deduct	-3.23	
		For >100 To 250, Deduct	-6.46	
		For >250 To 500, Deduct	-11.18	
		For >500, Deduct	-15.91	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	42.69	
		For >10 To 50, Deduct	-1.56	
		For >50 To 100, Deduct	-3.41	
		For >100 To 250, Deduct	-6.81	
		For >250 To 500, Deduct	-11.78	
		For >500, Deduct	-16.75	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	48.35	
		For >10 To 50, Deduct	-1.70	
		For >50 To 100, Deduct	-3.75	
		For >100 To 250, Deduct	-7.50	
		For >250 To 500, Deduct	-12.95	
		For >500, Deduct	-18.40	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	51.38	
		For >10 To 50, Deduct	-1.76	
		For >50 To 100, Deduct	-3.93	
		For >100 To 250, Deduct	-7.86	
		For >250 To 500, Deduct	-13.55	
		For >500, Deduct	-19.24	

06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts (06 05 23 00-0094)

06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	19.10	
		For >10 To 50, Deduct	-0.88	
		For >50 To 100, Deduct	-1.80	
		For >100 To 250, Deduct	-3.60	
		For >250 To 500, Deduct	-6.28	
		For >500, Deduct	-8.96	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.72	
		For >10 To 50, Deduct	-0.88	
		For >50 To 100, Deduct	-1.84	
		For >100 To 250, Deduct	-3.68	
		For >250 To 500, Deduct	-6.40	
		For >500, Deduct	-9.12	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	21.78	
		For >10 To 50, Deduct	-0.88	
		For >50 To 100, Deduct	-1.87	
		For >100 To 250, Deduct	-3.73	
		For >250 To 500, Deduct	-6.48	
		For >500, Deduct	-9.23	
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	35.90	
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.42	
		For >100 To 250, Deduct	-4.85	
		For >250 To 500, Deduct	-8.29	
		For >500, Deduct	-11.73	
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	21.96	
		For >10 To 50, Deduct	-0.95	
		For >50 To 100, Deduct	-1.97	
		For >100 To 250, Deduct	-3.95	
		For >250 To 500, Deduct	-6.87	
		For >500, Deduct	-9.79	
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	25.67	
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.17	
		For >100 To 250, Deduct	-4.33	
		For >250 To 500, Deduct	-7.52	
		For >500, Deduct	-10.70	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	26.17	
		For >10 To 50, Deduct	-1.02	
		For >50 To 100, Deduct	-2.18	
		For >100 To 250, Deduct	-4.36	
		For >250 To 500, Deduct	-7.56	
		For >500, Deduct	-10.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	47.13	
		For >10 To 50, Deduct		-1.22	
		For >50 To 100, Deduct		-3.01	
		For >100 To 250, Deduct		-6.02	
		For >250 To 500, Deduct		-10.25	
		For >500, Deduct		-14.48	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	56.92	
		For >10 To 50, Deduct		-1.29	
		For >50 To 100, Deduct		-3.36	
		For >100 To 250, Deduct		-6.71	
		For >250 To 500, Deduct		-11.36	
		For >500, Deduct		-16.00	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	63.72	
		For >10 To 50, Deduct		-1.42	
		For >50 To 100, Deduct		-3.73	
		For >100 To 250, Deduct		-7.46	
		For >250 To 500, Deduct		-12.61	
		For >500, Deduct		-17.76	
06 05 23 00-0152	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	27.56	
		For >10 To 50, Deduct		-1.02	
		For >50 To 100, Deduct		-2.21	
		For >100 To 250, Deduct		-4.43	
		For >250 To 500, Deduct		-7.66	
		For >500, Deduct		-10.89	
06 05 23 00-0153	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	31.17	
		For >10 To 50, Deduct		-1.09	
		For >50 To 100, Deduct		-2.41	
		For >100 To 250, Deduct		-4.81	
		For >250 To 500, Deduct		-8.31	
		For >500, Deduct		-11.80	
06 05 23 00-0154	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	37.44	
		For >10 To 50, Deduct		-1.15	
		For >50 To 100, Deduct		-2.66	
		For >100 To 250, Deduct		-5.33	
		For >250 To 500, Deduct		-9.15	
		For >500, Deduct		-12.96	
06 05 23 00-0155	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	58.41	
		For >10 To 50, Deduct		-1.29	
		For >50 To 100, Deduct		-3.39	
		For >100 To 250, Deduct		-6.79	
		For >250 To 500, Deduct		-11.47	
		For >500, Deduct		-16.15	
06 05 23 00-0156	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	66.04	
		For >10 To 50, Deduct		-1.49	
		For >50 To 100, Deduct		-3.89	
		For >100 To 250, Deduct		-7.78	
		For >250 To 500, Deduct		-13.16	
		For >500, Deduct		-18.54	
06 05 23 00-0157	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	102.22	
		For >10 To 50, Deduct		-1.63	
		For >50 To 100, Deduct		-5.00	
		For >100 To 250, Deduct		-9.99	
		For >250 To 500, Deduct		-16.62	
		For >500, Deduct		-23.24	
06 05 23 00-0158	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	79.44	
		For >10 To 50, Deduct		-1.29	
		For >50 To 100, Deduct		-3.92	
		For >100 To 250, Deduct		-7.84	
		For >250 To 500, Deduct		-13.04	
		For >500, Deduct		-18.25	
06 05 23 00-0159	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	111.79	
		For >10 To 50, Deduct		-1.49	
		For >50 To 100, Deduct		-5.03	
		For >100 To 250, Deduct		-10.06	
		For >250 To 500, Deduct		-16.59	
		For >500, Deduct		-23.11	
06 05 23 00-0160	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	123.69	
		For >10 To 50, Deduct		-1.56	
		For >50 To 100, Deduct		-5.43	
		For >100 To 250, Deduct		-10.86	
		For >250 To 500, Deduct		-17.65	
		For >500, Deduct		-24.85	
06 05 23 00-0161	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	181.33	
		For >10 To 50, Deduct		-1.70	
		For >50 To 100, Deduct		-7.08	
		For >100 To 250, Deduct		-14.15	
		For >250 To 500, Deduct		-22.92	
		For >500, Deduct		-31.69	
06 05 23 00-0162	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	.....	190.70	
		For >10 To 50, Deduct		-1.76	
		For >50 To 100, Deduct		-7.41	
		For >100 To 250, Deduct		-14.82	
		For >250 To 500, Deduct		-24.00	
		For >500, Deduct		-33.17	

06 05 23 00-0163 316 Stainless Steel, Carriage Bolts (06 05 23 00-0094)

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0164	EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	26.58
	For >10 To 50, Deduct	-0.88
	For >50 To 100, Deduct	-1.99
	For >100 To 250, Deduct	-3.97
	For >250 To 500, Deduct	-6.84
	For >500, Deduct	-9.71
06 05 23 00-0165	EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	29.42
	For >10 To 50, Deduct	-0.88
	For >50 To 100, Deduct	-2.06
	For >100 To 250, Deduct	-4.11
	For >250 To 500, Deduct	-7.05
	For >500, Deduct	-9.99
06 05 23 00-0166	EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	31.75
	For >10 To 50, Deduct	-0.95
	For >50 To 100, Deduct	-2.22
	For >100 To 250, Deduct	-4.43
	For >250 To 500, Deduct	-7.60
	For >500, Deduct	-10.77
06 05 23 00-0167	EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	37.05
	For >10 To 50, Deduct	-1.02
	For >50 To 100, Deduct	-2.45
	For >100 To 250, Deduct	-4.90
	For >250 To 500, Deduct	-8.37
	For >500, Deduct	-11.84
06 05 23 00-0168	EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	49.69
	For >10 To 50, Deduct	-1.02
	For >50 To 100, Deduct	-2.77
	For >100 To 250, Deduct	-5.54
	For >250 To 500, Deduct	-9.32
	For >500, Deduct	-13.11
06 05 23 00-0169	EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	54.12
	For >10 To 50, Deduct	-1.09
	For >50 To 100, Deduct	-2.98
	For >100 To 250, Deduct	-5.96
	For >250 To 500, Deduct	-10.03
	For >500, Deduct	-14.09
06 05 23 00-0170	EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	58.29
	For >10 To 50, Deduct	-1.15
	For >50 To 100, Deduct	-3.19
	For >100 To 250, Deduct	-6.37
	For >250 To 500, Deduct	-10.71
	For >500, Deduct	-15.05

06 05 23 00-0171 Hex Lag Bolts (06 05 23 00-0093)

Note: Includes drilling of holes in any material.

06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts (06 05 23 00-0171)

06 05 23 00-0173	EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.18
	For >10 To 50, Deduct	-0.85
	For >50 To 100, Deduct	-1.70
	For >100 To 250, Deduct	-3.40
	For >250 To 500, Deduct	-5.95
	For >500, Deduct	-8.50
06 05 23 00-0174	EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.32
	For >10 To 50, Deduct	-0.85
	For >50 To 100, Deduct	-1.70
	For >100 To 250, Deduct	-3.41
	For >250 To 500, Deduct	-5.96
	For >500, Deduct	-8.51
06 05 23 00-0175	EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.61
	For >10 To 50, Deduct	-0.85
	For >50 To 100, Deduct	-1.71
	For >100 To 250, Deduct	-3.42
	For >250 To 500, Deduct	-5.98
	For >500, Deduct	-8.54
06 05 23 00-0176	EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	18.91
	For >10 To 50, Deduct	-0.92
	For >50 To 100, Deduct	-1.86
	For >100 To 250, Deduct	-3.72
	For >250 To 500, Deduct	-6.50
	For >500, Deduct	-9.28
06 05 23 00-0177	EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	20.52
	For >10 To 50, Deduct	-0.99
	For >50 To 100, Deduct	-2.00
	For >100 To 250, Deduct	-4.00
	For >250 To 500, Deduct	-6.98
	For >500, Deduct	-9.97
06 05 23 00-0178	EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	20.84
	For >10 To 50, Deduct	-0.99
	For >50 To 100, Deduct	-2.01
	For >100 To 250, Deduct	-4.01
	For >250 To 500, Deduct	-7.01
	For >500, Deduct	-10.00
06 05 23 00-0179	EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	25.44
	For >10 To 50, Deduct	-1.19
	For >50 To 100, Deduct	-2.42
	For >100 To 250, Deduct	-4.83
	For >250 To 500, Deduct	-8.44
	For >500, Deduct	-12.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	26.94		
		For >10 To 50, Deduct	-1.25		
		For >50 To 100, Deduct	-2.55		
		For >100 To 250, Deduct	-5.11		
		For >250 To 500, Deduct	-8.91		
		For >500, Deduct	-12.72		
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	20.86		
		For >10 To 50, Deduct	-1.00		
		For >50 To 100, Deduct	-2.02		
		For >100 To 250, Deduct	-4.03		
		For >250 To 500, Deduct	-7.05		
		For >500, Deduct	-10.06		
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	22.65		
		For >10 To 50, Deduct	-1.06		
		For >50 To 100, Deduct	-2.16		
		For >100 To 250, Deduct	-4.32		
		For >250 To 500, Deduct	-7.55		
		For >500, Deduct	-10.77		
06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	24.58		
		For >10 To 50, Deduct	-1.13		
		For >50 To 100, Deduct	-2.31		
		For >100 To 250, Deduct	-4.62		
		For >250 To 500, Deduct	-8.06		
		For >500, Deduct	-11.50		
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	27.92		
		For >10 To 50, Deduct	-1.26		
		For >50 To 100, Deduct	-2.59		
		For >100 To 250, Deduct	-5.18		
		For >250 To 500, Deduct	-9.04		
		For >500, Deduct	-12.89		
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	32.83		
		For >10 To 50, Deduct	-1.46		
		For >50 To 100, Deduct	-3.01		
		For >100 To 250, Deduct	-6.03		
		For >250 To 500, Deduct	-10.51		
		For >500, Deduct	-14.98		
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	35.82		
		For >10 To 50, Deduct	-1.60		
		For >50 To 100, Deduct	-3.29		
		For >100 To 250, Deduct	-6.58		
		For >250 To 500, Deduct	-11.46		
		For >500, Deduct	-16.34		
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	29.86		
		For >10 To 50, Deduct	-1.26		
		For >50 To 100, Deduct	-2.64		
		For >100 To 250, Deduct	-5.28		
		For >250 To 500, Deduct	-9.18		
		For >500, Deduct	-13.09		
06 05 23 00-0188	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	35.53		
		For >10 To 50, Deduct	-1.46		
		For >50 To 100, Deduct	-3.08		
		For >100 To 250, Deduct	-6.16		
		For >250 To 500, Deduct	-10.71		
		For >500, Deduct	-15.25		
06 05 23 00-0189	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	39.06		
		For >10 To 50, Deduct	-1.53		
		For >50 To 100, Deduct	-3.27		
		For >100 To 250, Deduct	-6.54		
		For >250 To 500, Deduct	-11.34		
		For >500, Deduct	-16.13		
06 05 23 00-0190	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	43.75		
		For >10 To 50, Deduct	-1.66		
		For >50 To 100, Deduct	-3.59		
		For >100 To 250, Deduct	-7.17		
		For >250 To 500, Deduct	-12.42		
		For >500, Deduct	-17.67		
06 05 23 00-0191	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	48.63		
		For >10 To 50, Deduct	-1.73		
		For >50 To 100, Deduct	-3.81		
		For >100 To 250, Deduct	-7.62		
		For >250 To 500, Deduct	-13.15		
		For >500, Deduct	-18.69		
06 05 23 00-0192		Hot Dipped Galvanized Steel, Hex Lag Bolts (06 05 23 00-0171)			
06 05 23 00-0193	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.25		
		For >10 To 50, Deduct	-0.85		
		For >50 To 100, Deduct	-1.70		
		For >100 To 250, Deduct	-3.41		
		For >250 To 500, Deduct	-5.96		
		For >500, Deduct	-8.51		
06 05 23 00-0194	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.47		
		For >10 To 50, Deduct	-0.85		
		For >50 To 100, Deduct	-1.71		
		For >100 To 250, Deduct	-3.42		
		For >250 To 500, Deduct	-5.97		
		For >500, Deduct	-8.53		

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0195	EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	17.69	
	For >10 To 50, Deduct	-0.85	
	For >50 To 100, Deduct	-1.71	
	For >100 To 250, Deduct	-3.43	
	For >250 To 500, Deduct	-5.99	
	For >500, Deduct	-8.55	
06 05 23 00-0196	EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.03	
	For >10 To 50, Deduct	-0.92	
	For >50 To 100, Deduct	-1.86	
	For >100 To 250, Deduct	-3.72	
	For >250 To 500, Deduct	-6.51	
	For >500, Deduct	-9.29	
06 05 23 00-0197	EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	20.70	
	For >10 To 50, Deduct	-0.99	
	For >50 To 100, Deduct	-2.00	
	For >100 To 250, Deduct	-4.01	
	For >250 To 500, Deduct	-7.00	
	For >500, Deduct	-9.99	
06 05 23 00-0198	EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.07	
	For >10 To 50, Deduct	-0.99	
	For >50 To 100, Deduct	-2.01	
	For >100 To 250, Deduct	-4.02	
	For >250 To 500, Deduct	-7.03	
	For >500, Deduct	-10.03	
06 05 23 00-0199	EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	25.87	
	For >10 To 50, Deduct	-1.19	
	For >50 To 100, Deduct	-2.43	
	For >100 To 250, Deduct	-4.86	
	For >250 To 500, Deduct	-8.47	
	For >500, Deduct	-12.09	
06 05 23 00-0200	EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	27.66	
	For >10 To 50, Deduct	-1.25	
	For >50 To 100, Deduct	-2.57	
	For >100 To 250, Deduct	-5.14	
	For >250 To 500, Deduct	-8.97	
	For >500, Deduct	-12.79	
06 05 23 00-0201	EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.19	
	For >10 To 50, Deduct	-1.00	
	For >50 To 100, Deduct	-2.03	
	For >100 To 250, Deduct	-4.05	
	For >250 To 500, Deduct	-7.07	
	For >500, Deduct	-10.10	
06 05 23 00-0202	EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	22.84	
	For >10 To 50, Deduct	-1.06	
	For >50 To 100, Deduct	-2.17	
	For >100 To 250, Deduct	-4.33	
	For >250 To 500, Deduct	-7.56	
	For >500, Deduct	-10.79	
06 05 23 00-0203	EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	24.90	
	For >10 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-2.32	
	For >100 To 250, Deduct	-4.64	
	For >250 To 500, Deduct	-8.08	
	For >500, Deduct	-11.53	
06 05 23 00-0204	EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	28.90	
	For >10 To 50, Deduct	-1.26	
	For >50 To 100, Deduct	-2.62	
	For >100 To 250, Deduct	-5.23	
	For >250 To 500, Deduct	-9.11	
	For >500, Deduct	-12.99	
06 05 23 00-0205	EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	33.31	
	For >10 To 50, Deduct	-1.46	
	For >50 To 100, Deduct	-3.03	
	For >100 To 250, Deduct	-6.05	
	For >250 To 500, Deduct	-10.54	
	For >500, Deduct	-15.03	
06 05 23 00-0206	EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	37.00	
	For >10 To 50, Deduct	-1.60	
	For >50 To 100, Deduct	-3.32	
	For >100 To 250, Deduct	-6.64	
	For >250 To 500, Deduct	-11.55	
	For >500, Deduct	-16.46	
06 05 23 00-0207	EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	30.58	
	For >10 To 50, Deduct	-1.26	
	For >50 To 100, Deduct	-2.66	
	For >100 To 250, Deduct	-5.32	
	For >250 To 500, Deduct	-9.24	
	For >500, Deduct	-13.16	
06 05 23 00-0208	EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	36.19	
	For >10 To 50, Deduct	-1.46	
	For >50 To 100, Deduct	-3.10	
	For >100 To 250, Deduct	-6.20	
	For >250 To 500, Deduct	-10.76	
	For >500, Deduct	-15.32	
06 05 23 00-0209	EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	40.16	
	For >10 To 50, Deduct	-1.53	
	For >50 To 100, Deduct	-3.30	
	For >100 To 250, Deduct	-6.59	
	For >250 To 500, Deduct	-11.42	
	For >500, Deduct	-16.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0210	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	46.35		
		For >10 To 50, Deduct	-1.66		
		For >50 To 100, Deduct	-3.65		
		For >100 To 250, Deduct	-7.30		
		For >250 To 500, Deduct	-12.62		
		For >500, Deduct	-17.93		
06 05 23 00-0211	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	51.41		
		For >10 To 50, Deduct	-1.73		
		For >50 To 100, Deduct	-3.88		
		For >100 To 250, Deduct	-7.75		
		For >250 To 500, Deduct	-13.36		
		For >500, Deduct	-18.97		
06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts (06 05 23 00-0171)					
06 05 23 00-0213	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	17.97		
		For >10 To 50, Deduct	-0.85		
		For >50 To 100, Deduct	-1.72		
		For >100 To 250, Deduct	-3.44		
		For >250 To 500, Deduct	-6.01		
		For >500, Deduct	-8.58		
06 05 23 00-0214	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	18.73		
		For >10 To 50, Deduct	-0.85		
		For >50 To 100, Deduct	-1.74		
		For >100 To 250, Deduct	-3.48		
		For >250 To 500, Deduct	-6.07		
		For >500, Deduct	-8.65		
06 05 23 00-0215	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	20.79		
		For >10 To 50, Deduct	-0.85		
		For >50 To 100, Deduct	-1.79		
		For >100 To 250, Deduct	-3.58		
		For >250 To 500, Deduct	-6.22		
		For >500, Deduct	-8.86		
06 05 23 00-0216	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	21.07		
		For >10 To 50, Deduct	-0.92		
		For >50 To 100, Deduct	-1.91		
		For >100 To 250, Deduct	-3.82		
		For >250 To 500, Deduct	-6.66		
		For >500, Deduct	-9.50		
06 05 23 00-0217	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	23.55		
		For >10 To 50, Deduct	-0.99		
		For >50 To 100, Deduct	-2.07		
		For >100 To 250, Deduct	-4.15		
		For >250 To 500, Deduct	-7.21		
		For >500, Deduct	-10.28		
06 05 23 00-0218	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	24.87		
		For >10 To 50, Deduct	-0.99		
		For >50 To 100, Deduct	-2.11		
		For >100 To 250, Deduct	-4.21		
		For >250 To 500, Deduct	-7.31		
		For >500, Deduct	-10.41		
06 05 23 00-0219	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	47.17		
		For >10 To 50, Deduct	-1.19		
		For >50 To 100, Deduct	-2.96		
		For >100 To 250, Deduct	-5.92		
		For >250 To 500, Deduct	-10.07		
		For >500, Deduct	-14.22		
06 05 23 00-0220	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	64.55		
		For >10 To 50, Deduct	-1.25		
		For >50 To 100, Deduct	-3.49		
		For >100 To 250, Deduct	-6.99		
		For >250 To 500, Deduct	-11.73		
		For >500, Deduct	-16.48		
06 05 23 00-0221	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	25.05		
		For >10 To 50, Deduct	-1.00		
		For >50 To 100, Deduct	-2.12		
		For >100 To 250, Deduct	-4.24		
		For >250 To 500, Deduct	-7.36		
		For >500, Deduct	-10.48		
06 05 23 00-0222	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	29.13		
		For >10 To 50, Deduct	-1.06		
		For >50 To 100, Deduct	-2.32		
		For >100 To 250, Deduct	-4.65		
		For >250 To 500, Deduct	-8.03		
		For >500, Deduct	-11.42		
06 05 23 00-0223	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	35.21		
		For >10 To 50, Deduct	-1.13		
		For >50 To 100, Deduct	-2.58		
		For >100 To 250, Deduct	-5.15		
		For >250 To 500, Deduct	-8.86		
		For >500, Deduct	-12.56		
06 05 23 00-0224	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	68.46		
		For >10 To 50, Deduct	-1.26		
		For >50 To 100, Deduct	-3.61		
		For >100 To 250, Deduct	-7.21		
		For >250 To 500, Deduct	-12.08		
		For >500, Deduct	-16.95		

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0225	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	92.13	
		<i>For >10 To 50, Deduct</i>	-1.46	
		<i>For >50 To 100, Deduct</i>	-4.50	
		<i>For >100 To 250, Deduct</i>	-8.99	
		<i>For >250 To 500, Deduct</i>	-14.95	
		<i>For >500, Deduct</i>	-20.91	
06 05 23 00-0226	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	107.14	
		<i>For >10 To 50, Deduct</i>	-1.60	
		<i>For >50 To 100, Deduct</i>	-5.07	
		<i>For >100 To 250, Deduct</i>	-10.14	
		<i>For >250 To 500, Deduct</i>	-16.81	
		<i>For >500, Deduct</i>	-23.47	
06 05 23 00-0227	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	98.49	
		<i>For >10 To 50, Deduct</i>	-1.26	
		<i>For >50 To 100, Deduct</i>	-4.36	
		<i>For >100 To 250, Deduct</i>	-8.71	
		<i>For >250 To 500, Deduct</i>	-14.33	
		<i>For >500, Deduct</i>	-19.95	
06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	112.66	
		<i>For >10 To 50, Deduct</i>	-1.46	
		<i>For >50 To 100, Deduct</i>	-5.01	
		<i>For >100 To 250, Deduct</i>	-10.02	
		<i>For >250 To 500, Deduct</i>	-16.49	
		<i>For >500, Deduct</i>	-22.97	
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	117.26	
		<i>For >10 To 50, Deduct</i>	-1.53	
		<i>For >50 To 100, Deduct</i>	-5.22	
		<i>For >100 To 250, Deduct</i>	-10.45	
		<i>For >250 To 500, Deduct</i>	-17.20	
		<i>For >500, Deduct</i>	-23.95	
06 05 23 00-0230	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	160.58	
		<i>For >10 To 50, Deduct</i>	-1.66	
		<i>For >50 To 100, Deduct</i>	-6.51	
		<i>For >100 To 250, Deduct</i>	-13.02	
		<i>For >250 To 500, Deduct</i>	-21.18	
		<i>For >500, Deduct</i>	-29.35	
06 05 23 00-0231	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	174.86	
		<i>For >10 To 50, Deduct</i>	-1.73	
		<i>For >50 To 100, Deduct</i>	-6.96	
		<i>For >100 To 250, Deduct</i>	-13.93	
		<i>For >250 To 500, Deduct</i>	-22.62	
		<i>For >500, Deduct</i>	-31.31	

06 05 23 00-0232 Stainless Steel Screws (06 05 23 00-0093)

06 05 23 00-0233	EA	#8 x 1-1/2" Stainless Steel Screw.....	2.63	
06 05 23 00-0234	EA	#9 x 1-1/2" Stainless Steel Screw.....	2.68	
06 05 23 00-0235	EA	#10 x 1-1/2" Stainless Steel Screw.....	2.75	
06 05 23 00-0236	EA	#12 x 1-1/2" Stainless Steel Screw.....	2.95	

06 05 23 00-0237 Galvanized Steel Screws (06 05 23 00-0093)

06 05 23 00-0238	EA	#8 x 1-1/2" Galvanized Steel Screw.....	2.46	
06 05 23 00-0239	EA	#9 x 1-1/2" Galvanized Steel Screw.....	2.50	
06 05 23 00-0240	EA	#10 x 1-1/2" Galvanized Steel Screw.....	2.57	
06 05 23 00-0241	EA	#12 x 1-1/2" Galvanized Steel Screw.....	2.73	
06 05 23 00-0242	EA	#8 x 2-1/2" Galvanized Steel Screw.....	2.50	
06 05 23 00-0243	EA	#9 x 2-1/2" Galvanized Steel Screw.....	2.54	
06 05 23 00-0244	EA	#10 x 2-1/2" Galvanized Steel Screw.....	2.61	
06 05 23 00-0245	EA	#12 x 2-1/2" Galvanized Steel Screw.....	2.82	

06 05 23 00-0246 Timber Bolts (06 05 23 00-0093)

Note: Includes drilling of holes in any material.

06 05 23 00-0247	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	41.71	
		<i>For >10 To 50, Deduct</i>	-1.40	
		<i>For >50 To 100, Deduct</i>	-3.15	
		<i>For >100 To 250, Deduct</i>	-6.30	
		<i>For >250 To 500, Deduct</i>	-10.85	
		<i>For >500, Deduct</i>	-15.40	
06 05 23 00-0248	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	47.10	
		<i>For >10 To 50, Deduct</i>	-1.57	
		<i>For >50 To 100, Deduct</i>	-3.53	
		<i>For >100 To 250, Deduct</i>	-7.07	
		<i>For >250 To 500, Deduct</i>	-12.17	
		<i>For >500, Deduct</i>	-17.28	
06 05 23 00-0249	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	50.84	
		<i>For >10 To 50, Deduct</i>	-1.67	
		<i>For >50 To 100, Deduct</i>	-3.78	
		<i>For >100 To 250, Deduct</i>	-7.56	
		<i>For >250 To 500, Deduct</i>	-13.02	
		<i>For >500, Deduct</i>	-18.47	
06 05 23 00-0250	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	56.52	
		<i>For >10 To 50, Deduct</i>	-1.77	
		<i>For >50 To 100, Deduct</i>	-4.07	
		<i>For >100 To 250, Deduct</i>	-8.13	
		<i>For >250 To 500, Deduct</i>	-13.97	
		<i>For >500, Deduct</i>	-19.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0251	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	60.13		
		For >10 To 50, Deduct	-1.86		
		For >50 To 100, Deduct	-4.30		
		For >100 To 250, Deduct	-8.60		
		For >250 To 500, Deduct	-14.76		
		For >500, Deduct	-20.93		
06 05 23 00-0252	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	62.45		
		For >10 To 50, Deduct	-1.95		
		For >50 To 100, Deduct	-4.48		
		For >100 To 250, Deduct	-8.96		
		For >250 To 500, Deduct	-15.39		
		For >500, Deduct	-21.82		
06 05 23 00-0253	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	55.91		
		For >10 To 50, Deduct	-1.67		
		For >50 To 100, Deduct	-3.91		
		For >100 To 250, Deduct	-7.82		
		For >250 To 500, Deduct	-13.40		
		For >500, Deduct	-18.98		
06 05 23 00-0254	EA	3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	58.47		
		For >10 To 50, Deduct	-1.74		
		For >50 To 100, Deduct	-4.07		
		For >100 To 250, Deduct	-8.15		
		For >250 To 500, Deduct	-13.96		
		For >500, Deduct	-19.78		
06 05 23 00-0255	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	64.65		
		For >10 To 50, Deduct	-1.84		
		For >50 To 100, Deduct	-4.38		
		For >100 To 250, Deduct	-8.77		
		For >250 To 500, Deduct	-14.99		
		For >500, Deduct	-21.22		
06 05 23 00-0256	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	69.35		
		For >10 To 50, Deduct	-1.94		
		For >50 To 100, Deduct	-4.64		
		For >100 To 250, Deduct	-9.29		
		For >250 To 500, Deduct	-15.87		
		For >500, Deduct	-22.46		
06 05 23 00-0257	EA	3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	74.45		
		For >10 To 50, Deduct	-2.04		
		For >50 To 100, Deduct	-4.91		
		For >100 To 250, Deduct	-9.83		
		For >250 To 500, Deduct	-16.78		
		For >500, Deduct	-23.73		
06 05 23 00-0258		Supports (06 05 23)			
06 05 23 00-0259		Shear Plates (06 05 23 00-0258)			
06 05 23 00-0260	EA	2-5/8" Diameter, Shear Plate	16.66		5.02
		For >10 To 50, Deduct	-0.57		
		For >50 To 100, Deduct	-1.26		
		For >100 To 250, Deduct	-2.53		
		For >250 To 500, Deduct	-4.36		
		For >500, Deduct	-6.19		
06 05 23 00-0261	EA	4" Diameter, Shear Plate	16.29		5.29
		For >10 To 50, Deduct	-0.59		
		For >50 To 100, Deduct	-1.29		
		For >100 To 250, Deduct	-2.58		
		For >250 To 500, Deduct	-4.46		
		For >500, Deduct	-6.35		
06 05 23 00-0262		Sill Anchors (06 05 23 00-0258)			
06 05 23 00-0263	EA	Sill Anchor Embedded In Concrete	14.83		5.29
		For >10 To 50, Deduct	-0.59		
		For >50 To 100, Deduct	-1.26		
		For >100 To 250, Deduct	-2.51		
		For >250 To 500, Deduct	-4.35		
		For >500, Deduct	-6.20		
06 05 23 00-0264		Spike Grids (06 05 23 00-0258)			
06 05 23 00-0265	EA	3" x 6" Flat Or Curved Spike Grid	13.43		5.02
		For >10 To 50, Deduct	-0.57		
		For >50 To 100, Deduct	-1.18		
		For >100 To 250, Deduct	-2.37		
		For >250 To 500, Deduct	-4.11		
		For >500, Deduct	-5.86		
06 05 23 00-0266		Split Rings (06 05 23 00-0258)			
06 05 23 00-0267	EA	2-1/2" Diameter Split Ring	16.84		5.02
		For >10 To 50, Deduct	-0.57		
		For >50 To 100, Deduct	-1.27		
		For >100 To 250, Deduct	-2.54		
		For >250 To 500, Deduct	-4.37		
		For >500, Deduct	-6.20		

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 05 23 00-0268	EA 4" Diameter Split Ring.....	18.17		5.56
	For >10 To 50, Deduct	-0.62		
	For >50 To 100, Deduct	-1.38		
	For >100 To 250, Deduct	-2.76		
	For >250 To 500, Deduct	-4.75		
	For >500, Deduct	-6.75		
06 05 23 00-0269	Toothed Rings (06 05 23 00-0259)			
06 05 23 00-0270	EA 2-5/8" Or 4" Toothed Ring.....	14.08		5.02
	For >10 To 50, Deduct	-0.57		
	For >50 To 100, Deduct	-1.20		
	For >100 To 250, Deduct	-2.40		
	For >250 To 500, Deduct	-4.16		
	For >500, Deduct	-5.93		
06 05 23 00-0271	Straps And Shields (06 05 23)			
06 05 23 00-0272	Shield Plate (06 05 23 00-0271)			
06 05 23 00-0273	EA 5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z)	9.27		
	For >10 To 50, Deduct	-0.08		
	For >50 To 100, Deduct	-0.32		
	For >100 To 250, Deduct	-0.63		
	For >250 To 500, Deduct	-1.12		
	For >500, Deduct	-1.71		
06 05 23 00-0274	EA 5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z)	14.57		
	For >10 To 50, Deduct	-0.10		
	For >50 To 100, Deduct	-0.47		
	For >100 To 250, Deduct	-0.93		
	For >250 To 500, Deduct	-1.60		
	For >500, Deduct	-2.39		
06 05 23 00-0275	Strap Ties (06 05 23 00-0271)			
06 05 23 00-0276	EA 1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9).....	3.79		
	For >10 To 50, Deduct	-0.07		
	For >50 To 100, Deduct	-0.16		
	For >100 To 250, Deduct	-0.33		
	For >250 To 500, Deduct	-0.62		
	For >500, Deduct	-1.00		
06 05 23 00-0277	EA 1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12).....	3.88		
	For >10 To 50, Deduct	-0.07		
	For >50 To 100, Deduct	-0.16		
	For >100 To 250, Deduct	-0.33		
	For >250 To 500, Deduct	-0.63		
	For >500, Deduct	-1.01		
06 05 23 00-0278	EA 1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15).....	4.94		
	For >10 To 50, Deduct	-0.08		
	For >50 To 100, Deduct	-0.21		
	For >100 To 250, Deduct	-0.42		
	For >250 To 500, Deduct	-0.79		
	For >500, Deduct	-1.27		
06 05 23 00-0279	EA 1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18).....	5.11		
	For >10 To 50, Deduct	-0.08		
	For >50 To 100, Deduct	-0.21		
	For >100 To 250, Deduct	-0.43		
	For >250 To 500, Deduct	-0.81		
	For >500, Deduct	-1.29		
06 05 23 00-0280	EA 1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21).....	5.29		
	For >10 To 50, Deduct	-0.08		
	For >50 To 100, Deduct	-0.22		
	For >100 To 250, Deduct	-0.43		
	For >250 To 500, Deduct	-0.82		
	For >500, Deduct	-1.31		
06 05 23 00-0281	EA 1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24).....	6.11		
	For >10 To 50, Deduct	-0.10		
	For >50 To 100, Deduct	-0.25		
	For >100 To 250, Deduct	-0.51		
	For >250 To 500, Deduct	-0.97		
	For >500, Deduct	-1.55		
06 05 23 00-0282	EA 1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30).....	7.74		
	For >10 To 50, Deduct	-0.10		
	For >50 To 100, Deduct	-0.30		
	For >100 To 250, Deduct	-0.59		
	For >250 To 500, Deduct	-1.09		
	For >500, Deduct	-1.71		
06 05 23 00-0283	EA 1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36).....	8.97		
	For >10 To 50, Deduct	-0.12		
	For >50 To 100, Deduct	-0.34		
	For >100 To 250, Deduct	-0.69		
	For >250 To 500, Deduct	-1.27		
	For >500, Deduct	-1.99		
06 05 23 00-0284	EA 1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST A9).....	4.16		
	For >10 To 50, Deduct	-0.07		
	For >50 To 100, Deduct	-0.17		
	For >100 To 250, Deduct	-0.34		
	For >250 To 500, Deduct	-0.65		
	For >500, Deduct	-1.04		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0285	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12)	4.29		
		For >10 To 50, Deduct	-0.07		
		For >50 To 100, Deduct	-0.18		
		For >100 To 250, Deduct	-0.35		
		For >250 To 500, Deduct	-0.66		
		For >500, Deduct	-1.05		
06 05 23 00-0286	EA	1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15)	5.45		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.22		
		For >100 To 250, Deduct	-0.44		
		For >250 To 500, Deduct	-0.83		
		For >500, Deduct	-1.32		
06 05 23 00-0287	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18)	5.67		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.23		
		For >100 To 250, Deduct	-0.45		
		For >250 To 500, Deduct	-0.85		
		For >500, Deduct	-1.35		
06 05 23 00-0288	EA	1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21)	5.77		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.23		
		For >100 To 250, Deduct	-0.46		
		For >250 To 500, Deduct	-0.86		
		For >500, Deduct	-1.36		
06 05 23 00-0289	EA	1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24)	6.62		
		For >10 To 50, Deduct	-0.10		
		For >50 To 100, Deduct	-0.27		
		For >100 To 250, Deduct	-0.53		
		For >250 To 500, Deduct	-1.01		
		For >500, Deduct	-1.60		
06 05 23 00-0290	EA	1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30)	8.08		
		For >10 To 50, Deduct	-0.10		
		For >50 To 100, Deduct	-0.30		
		For >100 To 250, Deduct	-0.61		
		For >250 To 500, Deduct	-1.11		
		For >500, Deduct	-1.74		
06 05 23 00-0291	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36)	8.99		
		For >10 To 50, Deduct	-0.12		
		For >50 To 100, Deduct	-0.34		
		For >100 To 250, Deduct	-0.69		
		For >250 To 500, Deduct	-1.27		
		For >500, Deduct	-1.99		
06 05 23 00-0292	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49)	13.88		
		For >10 To 50, Deduct	-0.14		
		For >50 To 100, Deduct	-0.48		
		For >100 To 250, Deduct	-0.97		
		For >250 To 500, Deduct	-1.72		
		For >500, Deduct	-2.64		
06 05 23 00-0293	EA	1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9)	4.83		
		For >10 To 50, Deduct	-0.07		
		For >50 To 100, Deduct	-0.19		
		For >100 To 250, Deduct	-0.38		
		For >250 To 500, Deduct	-0.70		
		For >500, Deduct	-1.11		
06 05 23 00-0294	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12)	4.85		
		For >10 To 50, Deduct	-0.07		
		For >50 To 100, Deduct	-0.19		
		For >100 To 250, Deduct	-0.38		
		For >250 To 500, Deduct	-0.70		
		For >500, Deduct	-1.11		
06 05 23 00-0295	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18)	5.90		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.23		
		For >100 To 250, Deduct	-0.46		
		For >250 To 500, Deduct	-0.87		
		For >500, Deduct	-1.37		
06 05 23 00-0296	EA	1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22)	8.08		
		For >10 To 50, Deduct	-0.10		
		For >50 To 100, Deduct	-0.30		
		For >100 To 250, Deduct	-0.61		
		For >250 To 500, Deduct	-1.11		
		For >500, Deduct	-1.74		
06 05 23 00-0297	EA	1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6)	6.78		
		For >10 To 50, Deduct	-0.07		
		For >50 To 100, Deduct	-0.24		
		For >100 To 250, Deduct	-0.47		
		For >250 To 500, Deduct	-0.85		
		For >500, Deduct	-1.30		
06 05 23 00-0298	EA	1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8)	7.44		
		For >10 To 50, Deduct	-0.07		
		For >50 To 100, Deduct	-0.25		
		For >100 To 250, Deduct	-0.51		
		For >250 To 500, Deduct	-0.90		
		For >500, Deduct	-1.37		
06 05 23 00-0299	EA	1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12)	9.73		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.33		
		For >100 To 250, Deduct	-0.66		
		For >250 To 500, Deduct	-1.15		
		For >500, Deduct	-1.75		

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0300	EA	2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27).....	14.33	
		For>10 To 50, Deduct	-0.10	
		For>50 To 100, Deduct	-0.46	
		For>100 To 250, Deduct	-0.92	
		For>250 To 500, Deduct	-1.58	
		For>500, Deduct	-2.37	
06 05 23 00-0301	EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37).....	17.80	
		For>10 To 50, Deduct	-0.12	
		For>50 To 100, Deduct	-0.56	
		For>100 To 250, Deduct	-1.13	
		For>250 To 500, Deduct	-1.93	
		For>500, Deduct	-2.87	
06 05 23 00-0302	EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48).....	26.10	
		For>10 To 50, Deduct	-0.14	
		For>50 To 100, Deduct	-0.79	
		For>100 To 250, Deduct	-1.58	
		For>250 To 500, Deduct	-2.64	
		For>500, Deduct	-3.86	
06 05 23 00-0303	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60).....	44.92	
		For>10 To 50, Deduct	-0.15	
		For>50 To 100, Deduct	-1.28	
		For>100 To 250, Deduct	-2.55	
		For>250 To 500, Deduct	-4.13	
		For>500, Deduct	-5.90	
06 05 23 00-0304	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72).....	57.74	
		For>10 To 50, Deduct	-0.17	
		For>50 To 100, Deduct	-1.61	
		For>100 To 250, Deduct	-3.23	
		For>250 To 500, Deduct	-5.18	
		For>500, Deduct	-7.33	
06 05 23 00-0305	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28).....	16.97	
		For>10 To 50, Deduct	-0.10	
		For>50 To 100, Deduct	-0.53	
		For>100 To 250, Deduct	-1.05	
		For>250 To 500, Deduct	-1.78	
		For>500, Deduct	-2.63	
06 05 23 00-0306	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40).....	21.82	
		For>10 To 50, Deduct	-0.12	
		For>50 To 100, Deduct	-0.66	
		For>100 To 250, Deduct	-1.33	
		For>250 To 500, Deduct	-2.23	
		For>500, Deduct	-3.27	
06 05 23 00-0307	EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52).....	25.47	
		For>10 To 50, Deduct	-0.14	
		For>50 To 100, Deduct	-0.77	
		For>100 To 250, Deduct	-1.55	
		For>250 To 500, Deduct	-2.59	
		For>500, Deduct	-3.80	
06 05 23 00-0308	EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66).....	38.44	
		For>10 To 50, Deduct	-0.15	
		For>50 To 100, Deduct	-1.11	
		For>100 To 250, Deduct	-2.23	
		For>250 To 500, Deduct	-3.65	
		For>500, Deduct	-5.25	

06 05 23 00-0309 Twist Strap Ties (06 05 23 00-0271)

06 05 23 00-0310	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12).....	4.37	
		For>10 To 50, Deduct	-0.07	
		For>50 To 100, Deduct	-0.18	
		For>100 To 250, Deduct	-0.35	
		For>250 To 500, Deduct	-0.67	
		For>500, Deduct	-1.06	
06 05 23 00-0311	EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16).....	5.43	
		For>10 To 50, Deduct	-0.08	
		For>50 To 100, Deduct	-0.21	
		For>100 To 250, Deduct	-0.42	
		For>250 To 500, Deduct	-0.79	
		For>500, Deduct	-1.24	
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18).....	6.24	
		For>10 To 50, Deduct	-0.08	
		For>50 To 100, Deduct	-0.24	
		For>100 To 250, Deduct	-0.48	
		For>250 To 500, Deduct	-0.89	
		For>500, Deduct	-1.40	
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20).....	6.77	
		For>10 To 50, Deduct	-0.09	
		For>50 To 100, Deduct	-0.26	
		For>100 To 250, Deduct	-0.53	
		For>250 To 500, Deduct	-0.97	
		For>500, Deduct	-1.53	
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12).....	4.32	
		For>10 To 50, Deduct	-0.07	
		For>50 To 100, Deduct	-0.18	
		For>100 To 250, Deduct	-0.35	
		For>250 To 500, Deduct	-0.66	
		For>500, Deduct	-1.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16)	5.51		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.21		
		For >100 To 250, Deduct	-0.43		
		For >250 To 500, Deduct	-0.79		
		For >500, Deduct	-1.25		
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18)	6.38		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.24		
		For >100 To 250, Deduct	-0.49		
		For >250 To 500, Deduct	-0.90		
		For >500, Deduct	-1.42		
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20)	6.82		
		For >10 To 50, Deduct	-0.09		
		For >50 To 100, Deduct	-0.26		
		For >100 To 250, Deduct	-0.53		
		For >250 To 500, Deduct	-0.98		
		For >500, Deduct	-1.54		
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24)	9.17		
		For >10 To 50, Deduct	-0.10		
		For >50 To 100, Deduct	-0.33		
		For >100 To 250, Deduct	-0.66		
		For >250 To 500, Deduct	-1.20		
		For >500, Deduct	-1.85		
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16)	7.00		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.25		
		For >100 To 250, Deduct	-0.50		
		For >250 To 500, Deduct	-0.91		
		For >500, Deduct	-1.40		
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20)	8.39		
		For >10 To 50, Deduct	-0.09		
		For >50 To 100, Deduct	-0.30		
		For >100 To 250, Deduct	-0.61		
		For >250 To 500, Deduct	-1.10		
		For >500, Deduct	-1.70		
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24)	9.72		
		For >10 To 50, Deduct	-0.10		
		For >50 To 100, Deduct	-0.34		
		For >100 To 250, Deduct	-0.69		
		For >250 To 500, Deduct	-1.24		
		For >500, Deduct	-1.91		
06 05 23 00-0322	Retrofit Plate Strap (06 05 23 00-0271)				
06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18)	7.06		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.26		
		For >100 To 250, Deduct	-0.52		
		For >250 To 500, Deduct	-0.95		
		For >500, Deduct	-1.49		
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22)	8.00		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.28		
		For >100 To 250, Deduct	-0.57		
		For >250 To 500, Deduct	-1.02		
		For >500, Deduct	-1.58		
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28)	9.50		
		For >10 To 50, Deduct	-0.08		
		For >50 To 100, Deduct	-0.32		
		For >100 To 250, Deduct	-0.64		
		For >250 To 500, Deduct	-1.14		
		For >500, Deduct	-1.73		
06 05 23 00-0326	Stud Shoe (06 05 23 00-0271)				
06 05 23 00-0327	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5)	11.81		
		For >10 To 50, Deduct	-0.10		
		For >50 To 100, Deduct	-0.40		
		For >100 To 250, Deduct	-0.79		
		For >250 To 500, Deduct	-1.39		
		For >500, Deduct	-2.12		
06 05 23 00-0328	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5)	22.83		
		For >10 To 50, Deduct	-0.10		
		For >50 To 100, Deduct	-0.67		
		For >100 To 250, Deduct	-1.35		
		For >250 To 500, Deduct	-2.22		
		For >500, Deduct	-3.22		
06 05 23 00-0329	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3)	22.93		
		For >10 To 50, Deduct	-0.10		
		For >50 To 100, Deduct	-0.68		
		For >100 To 250, Deduct	-1.35		
		For >250 To 500, Deduct	-2.23		
		For >500, Deduct	-3.23		
06 05 23 00-0330	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5)	30.59		
		For >10 To 50, Deduct	-0.10		
		For >50 To 100, Deduct	-0.87		
		For >100 To 250, Deduct	-1.73		
		For >250 To 500, Deduct	-2.80		
		For >500, Deduct	-4.00		

06 Wood, Plastics, and Composites**06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 05 23 00-0331	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5).....	28.76	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.82	
		For >100 To 250, Deduct	-1.64	
		For >250 To 500, Deduct	-2.67	
		For >500, Deduct	-3.81	
06 05 23 00-0332	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3).....	31.13	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.88	
		For >100 To 250, Deduct	-1.76	
		For >250 To 500, Deduct	-2.84	
		For >500, Deduct	-4.05	
06 05 23 00-0333	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3).....	32.92	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-0.92	
		For >100 To 250, Deduct	-1.85	
		For >250 To 500, Deduct	-2.98	
		For >500, Deduct	-4.23	
06 05 23 00-0334	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3).....	49.53	
		For >10 To 50, Deduct	-0.10	
		For >50 To 100, Deduct	-1.34	
		For >100 To 250, Deduct	-2.68	
		For >250 To 500, Deduct	-4.22	
		For >500, Deduct	-5.89	

06 05 23 00-0335 Nail Stops (06 05 23 00-0271)

06 05 23 00-0336	EA	1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1).....	3.51	
		For >10 To 50, Deduct	-0.07	
		For >50 To 100, Deduct	-0.16	
		For >100 To 250, Deduct	-0.31	
		For >250 To 500, Deduct	-0.60	
		For >500, Deduct	-0.97	
06 05 23 00-0337	EA	1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2).....	3.67	
		For >10 To 50, Deduct	-0.07	
		For >50 To 100, Deduct	-0.16	
		For >100 To 250, Deduct	-0.32	
		For >250 To 500, Deduct	-0.61	
		For >500, Deduct	-0.99	

06 05 73 Wood Treatment (06 05)**06 05 73 13 Fire-Retardant Wood Treatment** (06 05 73)**06 05 73 13-0001 Preservative Treated Lumber** (06 05 73 13)**06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber** (06 05 73 13-0001)

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber.....	794.65	
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06 05 73 33 Preservative Wood Treatment (06 05 73)**06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses** (06 05 73 33)

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber.....	149.24	
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06 10 Rough Carpentry (06)**06 11 Wood Framing** (06 10)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products (06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members (06 11 13)

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists (06 11 13 00-0001)

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist.....	5.38	2.32
		For Each Additional 2" x_ " In The Built Up Member, Add	0.92	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist.....	6.69	2.73
		For Each Additional 2" x_ " In The Built Up Member, Add	1.30	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist.....	8.54	3.27
		For Each Additional 2" x_ " In The Built Up Member, Add	1.81	

06 11 13 00-0006 Built-Up Posts (06 11 13 00-0001)

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post.....	5.38	2.32
		For Each Additional 2" x_ " In The Built Up Member, Add	0.92	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post.....	6.69	2.73
		For Each Additional 2" x_ " In The Built Up Member, Add	1.30	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post.....	8.54	3.27
		For Each Additional 2" x_ " In The Built Up Member, Add	1.81	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 11 16 Mechanically Graded Lumber (06 11)

06 11 16 00-0001 Sills And Plates (06 11 16)

06 11 16 00-0002 Sills (06 11 16 00-0001)

Note: A horizontal member which rests on and is attached to the foundation.

06 11 16 00-0003	LF	2" x 4" Wood Sill	3.62	2.05
06 11 16 00-0004	LF	2" x 6" Wood Sill	4.34	2.32
06 11 16 00-0005	LF	2" x 8" Wood Sill	5.15	2.59
06 11 16 00-0006	LF	2" x 4" Pressure Treated Wood Sill	3.81	2.05
06 11 16 00-0007	LF	2" x 6" Pressure Treated Wood Sill	4.65	2.32
06 11 16 00-0008	LF	2" x 8" Pressure Treated Wood Sill	5.57	2.59

06 11 16 00-0009 Plates (06 11 16 00-0001)

Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.

06 11 16 00-0010	LF	2" x 4" Wood Plate	3.62	2.05
06 11 16 00-0011	LF	2" x 6" Wood Plate	4.34	2.32
06 11 16 00-0012	LF	2" x 8" Wood Plate	5.12	2.59
06 11 16 00-0013	LF	2" x 4" Pressure Treated Wood Plate	3.81	2.05
06 11 16 00-0014	LF	2" x 6" Pressure Treated Wood Plate	4.65	2.32
06 11 16 00-0015	LF	2" x 8" Pressure Treated Wood Plate	5.54	2.59

06 11 16 00-0016 Sills And Plates From Redwood (06 11 16 00-0001)

06 11 16 00-0017 Construction Grade/Rough (06 11 16 00-0016)

06 11 16 00-0018	LF	2" x 6" Redwood, Construction Grade/Rough	6.77	2.32
06 11 16 00-0019	LF	2" x 8" Redwood, Construction Grade/Rough	8.96	2.59
06 11 16 00-0020	LF	2" x 10" Redwood, Construction Grade/Rough	10.89	2.87
06 11 16 00-0021	LF	2" x 12" Redwood, Construction Grade/Rough	13.15	3.14

06 11 16 00-0022 Con Heart/Smooth (06 11 16 00-0016)

06 11 16 00-0023	LF	2" x 6" Redwood, Con Heart/Smooth	8.19	2.32
06 11 16 00-0024	LF	2" x 8" Redwood, Con Heart/Smooth	11.10	2.59
06 11 16 00-0025	LF	2" x 10" Redwood, Con Heart/Smooth	14.52	2.87
06 11 16 00-0026	LF	2" x 12" Redwood, Con Heart/Smooth	17.45	3.14

06 11 16 00-0027 Suspended Ceiling Framing (06 11 16)

06 11 16 00-0028	LF	1" x 2" Wood Suspended Ceiling Framing	2.98	1.77
06 11 16 00-0029	LF	1" x 3" Wood Suspended Ceiling Framing	3.25	1.92
06 11 16 00-0030	LF	1" x 4" Wood Suspended Ceiling Framing	3.40	2.05
06 11 16 00-0031	LF	2" x 2" Wood Suspended Ceiling Framing	3.50	2.05
06 11 16 00-0032	LF	2" x 4" Wood Suspended Ceiling Framing	4.16	2.32
06 11 16 00-0033	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.17	1.77
06 11 16 00-0034	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	3.26	1.92
06 11 16 00-0035	LF	1" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.53	2.05
06 11 16 00-0036	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.66	2.05
06 11 16 00-0037	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	4.29	2.32

06 11 16 00-0038 Posts And Girts (06 11 16)

06 11 16 00-0039 Posts (06 11 16 00-0038)

Note: A vertical, upright framing member.

06 11 16 00-0040	LF	4" x 4" Wood Post	5.25	2.59
06 11 16 00-0041	LF	4" x 5" Wood Post	5.99	3.00
06 11 16 00-0042	LF	4" x 6" Wood Post	6.61	3.27
06 11 16 00-0043	LF	6" x 6" Wood Post	7.34	3.55
06 11 16 00-0044	LF	8" x 8" Wood Post	8.07	3.69
06 11 16 00-0045	LF	10" x 10" Wood Post	8.80	4.23
06 11 16 00-0046	LF	4" x 4" Pressure Treated Wood Post	6.65	2.59
06 11 16 00-0047	LF	3" x 6" Pressure Treated Wood Post	7.63	3.27
06 11 16 00-0048	LF	4" x 6" Pressure Treated Wood Post	9.26	3.27
06 11 16 00-0049	LF	6" x 6" Pressure Treated Wood Post	12.73	3.55

06 11 16 00-0050 Girts (06 11 16 00-0038)

Note: A horizontal member at intermediate level between columns, studs, or posts.

06 11 16 00-0051	LF	2" x 4" Wood Girt	2.52	0.98
06 11 16 00-0052	LF	2" x 6" Wood Girt	3.08	1.07
06 11 16 00-0053	LF	2" x 8" Wood Girt	3.67	1.19
06 11 16 00-0054	LF	2" x 10" Wood Girt	4.43	1.31
06 11 16 00-0055	LF	4" x 4" Wood Girt	5.09	1.97
06 11 16 00-0056	LF	4" x 5" Wood Girt	5.83	2.21
06 11 16 00-0057	LF	4" x 6" Wood Girt	6.58	2.45
06 11 16 00-0058	LF	6" x 6" Wood Girt	7.31	2.71
06 11 16 00-0059	LF	8" x 8" Wood Girt	8.05	2.95
06 11 16 00-0060	LF	10" x 10" Wood Girt	8.79	3.20
06 11 16 00-0061	LF	2" x 4" Pressure Treated Wood Girt	2.71	0.98
06 11 16 00-0062	LF	2" x 6" Pressure Treated Wood Girt	3.39	1.07

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 11 16 00-0063	LF	2" x 8" Pressure Treated Wood Girt.....	4.09	1.19
06 11 16 00-0064	LF	2" x 10" Pressure Treated Wood Girt.....	4.75	1.31
06 11 16 00-0065	LF	4" x 4" Pressure Treated Wood Girt.....	6.65	1.97
06 11 16 00-0066	LF	3" x 6" Pressure Treated Wood Girt.....	7.63	2.45
06 11 16 00-0067	LF	4" x 6" Pressure Treated Wood Girt.....	9.26	2.45
06 11 16 00-0068	LF	6" x 6" Pressure Treated Wood Girt.....	12.73	2.71

06 11 16 00-0069 Construction Grade/Rough Redwood Posts (06 11 16 00-0038)

06 11 16 00-0070	LF	4" x 4" Redwood, Construction Grade/Rough Post.....	10.39	2.59
		For Smooth "Clear", Add	1.29	
06 11 16 00-0071	LF	4" x 5" Redwood, Construction Grade/Rough Post.....	12.49	3.00
		For Smooth "Clear", Add	1.61	
06 11 16 00-0072	LF	4" x 6" Redwood, Construction Grade/Rough Post.....	14.63	3.27
		For Smooth "Clear", Add	1.94	
06 11 16 00-0073	LF	4" x 8" Redwood, Construction Grade/Rough Post.....	18.08	3.37
		For Smooth "Clear", Add	2.59	
06 11 16 00-0074	LF	4" x 10" Redwood, Construction Grade/Rough Post.....	21.63	3.59
		For Smooth "Clear", Add	3.24	
06 11 16 00-0075	LF	6" x 6" Redwood, Construction Grade/Rough Post.....	19.98	3.55
		For Smooth "Clear", Add	2.91	
06 11 16 00-0076	LF	6" x 8" Redwood, Construction Grade/Rough Post.....	25.04	3.69
		For Smooth "Clear", Add	3.89	
06 11 16 00-0077	LF	6" x 10" Redwood, Construction Grade/Rough Post.....	30.06	3.46
		For Smooth "Clear", Add	4.86	
06 11 16 00-0078	LF	8" x 8" Redwood, Construction Grade/Rough Post.....	31.81	3.69
		For Smooth "Clear", Add	5.18	

06 11 16 00-0079 Stair Stringers (06 11 16)

See CSI section 06 43 13 00-0001 for treads and risers.

06 11 16 00-0080	LF	2" x 10" Wood Stair Stringer	9.96	5.46
06 11 16 00-0081	LF	2" x 12" Wood Stair Stringer	11.77	6.41
06 11 16 00-0082	LF	2" x 10" Pressure Treated Wood Stair Stringer.....	10.32	5.46
06 11 16 00-0083	LF	2" x 12" Pressure Treated Wood Stair Stringer.....	12.34	6.41

06 11 16 00-0084 Blocking And Sleepers (06 11 16)**06 11 16 00-0085 Blocking (06 11 16 00-0084)****06 11 16 00-0086 Blocking To Wood (06 11 16 00-0085)**

06 11 16 00-0087	LF	2" x 4" Pressure Treated Wood Blocking To Wood.....	7.61	3.28
06 11 16 00-0088	LF	2" x 6" Pressure Treated Wood Blocking To Wood.....	8.98	3.61
06 11 16 00-0089	LF	2" x 8" Pressure Treated Wood Blocking To Wood.....	10.22	3.96
06 11 16 00-0090	LF	4" x 4" Pressure Treated Wood Blocking To Wood.....	11.79	4.36
06 11 16 00-0091	LF	4" x 6" Pressure Treated Wood Blocking To Wood.....	14.15	4.79
06 11 16 00-0092	LF	2" x 4" Wood Blocking To Wood	7.10	3.28
06 11 16 00-0093	LF	2" x 6" Wood Blocking To Wood	8.13	3.61
06 11 16 00-0094	LF	2" x 8" Wood Blocking To Wood	9.24	3.96
06 11 16 00-0095	LF	4" x 4" Wood Blocking To Wood	10.06	4.36
06 11 16 00-0096	LF	4" x 6" Wood Blocking To Wood	11.29	4.79

06 11 16 00-0097 Blocking To Steel (06 11 16 00-0085)

06 11 16 00-0098	LF	2" x 4" Pressure Treated Wood Blocking To Steel.....	8.72	3.77
06 11 16 00-0099	LF	2" x 6" Pressure Treated Wood Blocking To Steel.....	10.25	4.15
06 11 16 00-0100	LF	2" x 8" Pressure Treated Wood Blocking To Steel.....	11.64	4.56
06 11 16 00-0101	LF	2" x 4" Wood Blocking To Steel	8.15	3.77
06 11 16 00-0102	LF	2" x 6" Wood Blocking To Steel	9.31	4.15
06 11 16 00-0103	LF	2" x 8" Wood Blocking To Steel	10.56	4.56

06 11 16 00-0104 Blocking To Concrete (06 11 16 00-0085)

06 11 16 00-0105	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	8.72	3.77
06 11 16 00-0106	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	10.25	4.15
06 11 16 00-0107	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	11.64	4.56
06 11 16 00-0108	LF	2" x 4" Wood Blocking To Concrete.....	8.15	3.77
06 11 16 00-0109	LF	2" x 6" Wood Blocking To Concrete.....	9.31	4.15
06 11 16 00-0110	LF	2" x 8" Wood Blocking To Concrete.....	10.56	4.56

06 11 16 00-0111 Pressure Treated Lattice (06 11 16 00-0084)

06 11 16 00-0112	SF	3/4" Thick Pressure Treated Wood Lattice	7.91	2.87
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06 11 16 00-0113 Sleepers (06 11 16 00-0084)**06 11 16 00-0114 Sleepers To Wood (06 11 16 00-0113)**

06 11 16 00-0115	LF	1" x 2" Pressure Treated Wood Sleeper On Wood	1.39	0.48
06 11 16 00-0116	LF	1" x 3" Pressure Treated Wood Sleeper On Wood	1.48	0.55
06 11 16 00-0117	LF	1" x 4" Pressure Treated Wood Sleeper On Wood	1.75	0.62
06 11 16 00-0118	LF	2" x 4" Pressure Treated Wood Sleeper On Wood	2.56	0.75
06 11 16 00-0119	LF	2" x 6" Pressure Treated Wood Sleeper On Wood	3.41	0.82

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0120			Sleepers To Concrete (06 11 16 00-0113)		
06 11 16 00-0121	LF		1" x 2" Pressure Treated Wood Sleeper On Concrete.....	1.43	0.48
06 11 16 00-0122	LF		1" x 3" Pressure Treated Wood Sleeper On Concrete.....	1.52	0.55
06 11 16 00-0123	LF		1" x 4" Pressure Treated Wood Sleeper On Concrete.....	1.81	0.62
06 11 16 00-0124	LF		2" x 4" Pressure Treated Wood Sleeper On Concrete.....	2.67	0.75
06 11 16 00-0125	LF		2" x 6" Pressure Treated Wood Sleeper On Concrete.....	3.59	0.82
06 11 16 00-0126			Roofing Nailers (06 11 16)		
06 11 16 00-0127	LF		2" x 4" Pressure Treated Lumber, For Roofing Nailers.....	3.88	1.09
06 11 16 00-0128	LF		2" x 6" Pressure Treated Lumber, For Roofing Nailers.....	4.50	1.16
06 11 16 00-0129	LF		2" x 8" Pressure Treated Lumber, For Roofing Nailers.....	5.14	1.23
06 11 16 00-0130			Roofing Sleepers (06 11 16)		
06 11 16 00-0131	LF		2" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	1.76	
06 11 16 00-0132	LF		4" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	4.71	
06 11 16 00-0133	LF		4" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	6.79	
06 11 16 00-0134	LF		6" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	10.05	
06 11 16 00-0135			Canopy Framing, Bridging, And Furring (06 11 16)		
06 11 16 00-0136			Wood And Steel Bridging (06 11 16 00-0135)		
06 11 16 00-0137			Wood Bridging (06 11 16 00-0136)		
06 11 16 00-0138	EA		1 Pair Wood Bridging, 1" x 3" Cross Type..... Note: For joists spaced at 16" on center.	10.99	4.78
06 11 16 00-0139	EA		1 Pair Wood Bridging, 2" x 3" Cross Type..... Note: For joists spaced at 16" on center.	11.28	4.78
06 11 16 00-0140			Steel Bridging (06 11 16 00-0138)		
06 11 16 00-0141	EA		1 Pair Steel Bridging, Wood Joists At 16" On Center.....	13.07	4.78
06 11 16 00-0142	EA		1 Pair Steel Bridging, Wood Joists At 24" On Center.....	13.04	4.78
06 11 16 00-0143			Light Framing, Trim And Furring (06 11 16 00-0135)		
06 11 16 00-0144			Pine/Spruce/Fir Light Framing, Trim And Furring (06 11 16 00-0143) Note: S4S board, select grade 1		
06 11 16 00-0145	LF		1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.41	1.11
06 11 16 00-0146	LF		1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring.....	2.70	1.23
06 11 16 00-0147	LF		1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.11	1.35
06 11 16 00-0148	LF		1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.46	1.49
06 11 16 00-0149	LF		1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.83	1.64
06 11 16 00-0150	LF		1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring.....	4.24	1.80
06 11 16 00-0151	LF		2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.48	1.49
06 11 16 00-0152	LF		2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring.....	3.88	1.64
06 11 16 00-0153	LF		2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring.....	4.52	1.80
06 11 16 00-0154	LF		2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring.....	5.25	1.98
06 11 16 00-0155	LF		2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring.....	6.17	2.18
06 11 16 00-0156			Cedar Light Framing, Trim And Furring (06 11 16 00-0143) Note: S4S board, select grade 1		
06 11 16 00-0157	LF		1" x 1" Cedar Light Framing, Trim And Furring.....	2.44	1.11
06 11 16 00-0158	LF		1" x 2" Cedar Light Framing, Trim And Furring.....	2.85	1.23
06 11 16 00-0159	LF		1" x 4" Cedar Light Framing, Trim And Furring.....	3.70	1.35
06 11 16 00-0160	LF		1" x 6" Cedar Light Framing, Trim And Furring.....	4.46	1.49
06 11 16 00-0161	LF		1" x 8" Cedar Light Framing, Trim And Furring.....	6.46	1.64
06 11 16 00-0162	LF		1" x 10" Cedar Light Framing, Trim And Furring.....	7.59	1.80
06 11 16 00-0163	LF		2" x 2" Cedar Light Framing, Trim And Furring.....	3.86	1.49
06 11 16 00-0164	LF		2" x 4" Cedar Light Framing, Trim And Furring.....	4.44	1.64
06 11 16 00-0165			Oak Light Framing, Trim And Furring (06 11 16 00-0143) Note: S4S board, select grade 1		
06 11 16 00-0166	LF		1" x 1" Oak Light Framing, Trim And Furring.....	2.45	1.11
06 11 16 00-0167	LF		1" x 2" Oak Light Framing, Trim And Furring.....	2.87	1.23
06 11 16 00-0168	LF		1" x 4" Oak Light Framing, Trim And Furring.....	3.55	1.35
06 11 16 00-0169	LF		1" x 6" Oak Light Framing, Trim And Furring.....	4.24	1.49
06 11 16 00-0170	LF		1" x 8" Oak Light Framing, Trim And Furring.....	4.95	1.64
06 11 16 00-0171	LF		1" x 10" Oak Light Framing, Trim And Furring.....	5.70	1.80
06 11 16 00-0172	LF		2" x 2" Oak Light Framing, Trim And Furring.....	3.82	1.49
06 11 16 00-0173	LF		2" x 4" Oak Light Framing, Trim And Furring.....	4.96	1.64
06 11 16 00-0174			Redwood Light Framing, Trim And Furring (06 11 16 00-0143) Note: S4S board, select grade 1		
06 11 16 00-0175	LF		1" x 1" Redwood Light Framing, Trim And Furring.....	2.39	1.11
06 11 16 00-0176	LF		1" x 2" Redwood Light Framing, Trim And Furring.....	2.76	1.23
06 11 16 00-0177	LF		1" x 4" Redwood Light Framing, Trim And Furring.....	3.35	1.35
06 11 16 00-0178	LF		1" x 6" Redwood Light Framing, Trim And Furring.....	3.99	1.49
06 11 16 00-0179	LF		1" x 8" Redwood Light Framing, Trim And Furring.....	4.69	1.64

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 11 Wood Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 11 16 00-0180	LF	1" x 10" Redwood Light Framing, Trim And Furring.....	5.46	1.80
06 11 16 00-0181	LF	2" x 2" Redwood Light Framing, Trim And Furring.....	4.01	1.49
06 11 16 00-0182	LF	2" x 4" Redwood Light Framing, Trim And Furring.....	4.71	1.64

06 11 16 00-0183 Poplar Light Framing, Trim And Furring (06 11 16 00-0143)

Note: S4S board, select grade 1

06 11 16 00-0184	LF	1" x 1" Poplar Light Framing, Trim And Furring	2.74	1.11
06 11 16 00-0185	LF	1" x 2" Poplar Light Framing, Trim And Furring	3.31	1.23
06 11 16 00-0186	LF	1" x 4" Poplar Light Framing, Trim And Furring	4.14	1.35
06 11 16 00-0187	LF	1" x 6" Poplar Light Framing, Trim And Furring	5.21	1.49
06 11 16 00-0188	LF	1" x 8" Poplar Light Framing, Trim And Furring	6.02	1.64
06 11 16 00-0189	LF	1" x 10" Poplar Light Framing, Trim And Furring	7.85	1.80
06 11 16 00-0190	LF	1" x 12" Poplar Light Framing, Trim And Furring	8.46	1.80
06 11 16 00-0191	LF	2" x 2" Poplar Light Framing, Trim And Furring	6.72	1.49
06 11 16 00-0192	LF	2" x 4" Poplar Light Framing, Trim And Furring	7.52	1.64
06 11 16 00-0193	LF	2" x 6" Poplar Light Framing, Trim And Furring	9.96	1.80

06 11 16 00-0194 Maple Light Framing, Trim And Furring (06 11 16 00-0143)

Note: S4S board, select grade 1

06 11 16 00-0195	LF	1" x 4" Maple Light Framing, Trim And Furring	5.08	1.35
06 11 16 00-0196	LF	1" x 6" Maple Light Framing, Trim And Furring	6.67	1.49
06 11 16 00-0197	LF	1" x 8" Maple Light Framing, Trim And Furring	8.30	1.64

06 11 16 00-0198 Rafters And Joists (06 11 16)

06 11 16 00-0199 Rafters (06 11 16 00-0198)

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0200	LF	2" x 6" Wood Rafter	3.10	1.64
06 11 16 00-0201	LF	2" x 8" Wood Rafter	3.62	1.77
06 11 16 00-0202	LF	2" x 10" Wood Rafter	5.23	2.59
06 11 16 00-0203	LF	2" x 12" Wood Rafter	6.01	2.87
06 11 16 00-0204	LF	2" x 14" Wood Rafter	6.52	3.14
06 11 16 00-0205	LF	2" x 6" Pressure Treated Wood Rafter.....	3.41	1.64
06 11 16 00-0206	LF	2" x 8" Pressure Treated Wood Rafter.....	4.04	1.77
06 11 16 00-0207	LF	2" x 10" Pressure Treated Wood Rafter.....	5.55	2.59
06 11 16 00-0208	LF	2" x 12" Pressure Treated Wood Rafter.....	6.60	2.87

06 11 16 00-0209 Joists (06 11 16 00-0198)

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0210	LF	2" x 6" Wood Floor Joist.....	2.69	1.37
06 11 16 00-0211	LF	2" x 8" Wood Floor Joist.....	3.35	1.50
06 11 16 00-0212	LF	2" x 10" Wood Floor Joist.....	4.26	1.92
06 11 16 00-0213	LF	2" x 12" Wood Floor Joist.....	5.06	2.18
06 11 16 00-0214	LF	2" x 14" Wood Floor Joist.....	5.57	2.32
06 11 16 00-0215	LF	2" x 6" Pressure Treated Wood Floor Joist.....	3.00	1.37
06 11 16 00-0216	LF	2" x 8" Pressure Treated Wood Floor Joist.....	3.77	1.50
06 11 16 00-0217	LF	2" x 10" Pressure Treated Wood Floor Joist.....	4.58	1.92
06 11 16 00-0218	LF	2" x 12" Pressure Treated Wood Floor Joist.....	5.65	2.18

06 11 16 00-0219 Purlins (06 11 16 00-0198)

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0220	LF	2" x 4" Wood Purlin	2.19	0.82
06 11 16 00-0221	LF	2" x 6" Wood Purlin	2.72	0.90
06 11 16 00-0222	LF	2" x 8" Wood Purlin	3.28	0.99
06 11 16 00-0223	LF	2" x 10" Wood Purlin	3.99	1.09
06 11 16 00-0224	LF	2" x 4" Pressure Treated Wood Purlin	2.38	0.82
06 11 16 00-0225	LF	2" x 6" Pressure Treated Wood Purlin	3.03	0.90
06 11 16 00-0226	LF	2" x 8" Pressure Treated Wood Purlin	3.70	0.99
06 11 16 00-0227	LF	2" x 10" Pressure Treated Wood Purlin	4.31	1.09

06 11 16 00-0228 Exposed Rafters Or Joists (06 11 16 00-0198)

06 11 16 00-0229 Redwood Rafters Or Joists (06 11 16 00-0228)

06 11 16 00-0230	LF	2" x 6" Redwood Rafter Or Joist	4.03	1.37
06 11 16 00-0231	LF	2" x 8" Redwood Rafter Or Joist	4.92	1.50
06 11 16 00-0232	LF	2" x 10" Redwood Rafter Or Joist	6.11	1.92
06 11 16 00-0233	LF	2" x 12" Redwood Rafter Or Joist	7.41	2.18

06 11 16 00-0234 Cedar Rafters Or Joists (06 11 16 00-0228)

06 11 16 00-0235	LF	2" x 6" Cedar Rafter Or Joist.....	2.70	1.37
06 11 16 00-0236	LF	2" x 8" Cedar Rafter Or Joist.....	3.04	1.50
06 11 16 00-0237	LF	2" x 10" Cedar Rafter Or Joist.....	3.50	1.92
06 11 16 00-0238	LF	2" x 12" Cedar Rafter Or Joist.....	3.98	2.18

06 11 16 00-0239 Oak Rafters Or Joists (06 11 16 00-0228)

06 11 16 00-0240	LF	2" x 6" Oak Rafter Or Joist.....	3.25	1.37
06 11 16 00-0241	LF	2" x 8" Oak Rafter Or Joist.....	4.42	1.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0242	LF	2" x 10" Oak Rafter Or Joist.....	5.72	1.92	
06 11 16 00-0243	LF	2" x 12" Oak Rafter Or Joist.....	7.04	2.18	
06 11 16 00-0244		Framing (06 11 16)			
06 11 16 00-0245		Partition Framing (06 11 16 00-0244)			
06 11 16 00-0246	LF	2" x 4" Wood Stud Framing, For Partition Walls	2.12	1.09	
06 11 16 00-0247	LF	2" x 6" Wood Stud Framing, For Partition Walls	2.56	1.16	
06 11 16 00-0248	LF	2" x 8" Wood Stud Framing, For Partition Walls	3.00	1.23	
06 11 16 00-0249	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.31	1.09	
06 11 16 00-0250	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.87	1.16	
06 11 16 00-0251	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	3.42	1.23	
06 11 16 00-0252		Wall Framing Assemblies By The SF (06 11 16 00-0244)			
Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.					
06 11 16 00-0253		Wall Framing By The SF, 12" On Center (06 11 16 00-0252)			
06 11 16 00-0254	SF	2" x 4" At 12" On Center, Wood Wall Framing Assembly	2.74	1.32	
		For Up To 200, Add	0.94		
		For >200 To 500, Add	0.47		
06 11 16 00-0255	SF	2" x 6" At 12" On Center, Wood Wall Framing Assembly	3.67	1.69	
		For Up To 200, Add	1.23		
		For >200 To 500, Add	0.62		
06 11 16 00-0256	SF	2" x 8" At 12" On Center, Wood Wall Framing Assembly	4.90	2.26	
		For Up To 200, Add	1.65		
		For >200 To 500, Add	0.82		
06 11 16 00-0257		Wall Framing By The SF, 16" On Center (06 11 16 00-0252)			
06 11 16 00-0258	SF	2" x 4" At 16" On Center, Wood Wall Framing Assembly	2.23	1.06	
		For Up To 200, Add	0.76		
		For >200 To 500, Add	0.38		
06 11 16 00-0259	SF	2" x 6" At 16" On Center, Wood Wall Framing Assembly	3.05	1.41	
		For Up To 200, Add	1.02		
		For >200 To 500, Add	0.51		
06 11 16 00-0260	SF	2" x 8" At 16" On Center, Wood Wall Framing Assembly	4.08	1.87	
		For Up To 200, Add	1.37		
		For >200 To 500, Add	0.69		
06 11 16 00-0261		Wall Framing By The SF, 24" On Center (06 11 16 00-0252)			
06 11 16 00-0262	SF	2" x 4" At 24" On Center, Wood Wall Framing Assembly	1.76	0.83	
		For Up To 200, Add	0.60		
		For >200 To 500, Add	0.30		
06 11 16 00-0263	SF	2" x 6" At 24" On Center, Wood Wall Framing Assembly	2.40	1.09	
		For Up To 200, Add	0.80		
		For >200 To 500, Add	0.40		
06 11 16 00-0264	SF	2" x 8" At 24" On Center, Wood Wall Framing Assembly	3.20	1.46	
		For Up To 200, Add	1.07		
		For >200 To 500, Add	0.54		
06 13 Heavy Timber Construction (06 10)					
06 13 23 Heavy Timber Framing (06 13)					
06 13 23 00-0001		Heavy Timber Framing (06 13 23)			
Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.					
06 13 23 00-0002		Heavy Timber Beams (06 13 23 00-0001)			
06 13 23 00-0003		Pine, Heavy Timber Beams (06 13 23 00-0002)			
06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam.....	6.87	2.42	
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam.....	8.10	2.52	
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam.....	9.31	2.62	
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam.....	11.76	2.80	
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam.....	13.78	2.97	
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam.....	9.98	2.73	
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam.....	11.74	2.87	
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam.....	15.39	3.07	
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam.....	18.02	3.14	
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam.....	14.06	2.97	
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam.....	18.47	3.07	
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam.....	22.06	3.14	
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam.....	21.82	3.14	
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam.....	26.41	3.42	
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam.....	31.02	3.75	
06 13 23 00-0019		Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)			
06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam.....	7.08	2.42	
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam.....	8.40	2.52	
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam.....	9.73	2.62	
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam.....	12.37	2.80	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 13 Heavy Timber Construction**
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 UNIT COST UNIT COST

06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam.....	14.56	2.97
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam.....	10.43	2.73
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam.....	12.34	2.87
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam.....	16.31	3.07
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam.....	19.20	3.14
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam.....	14.87	2.97
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam.....	19.71	3.07
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam.....	23.62	3.14
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam.....	23.35	3.14
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam.....	28.35	3.42
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam.....	33.36	3.75

06 13 23 00-0035 Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)

06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam.....	7.57	2.42
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam.....	9.39	2.52
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam.....	10.98	2.62
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam.....	14.27	2.80
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam.....	16.97	2.97
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam.....	12.73	2.73
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam.....	15.44	2.87
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam.....	18.42	3.07
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam.....	22.39	3.14
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam.....	22.56	2.97
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam.....	26.09	3.07
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam.....	30.58	3.14
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam.....	30.71	3.14
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam.....	40.38	3.42
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam.....	47.80	3.75

06 13 23 00-0051 Heavy Timber Columns (06 13 23 00-0001)**06 13 23 00-0052 Pine, Heavy Timber Columns (06 13 23 00-0001)**

06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column.....	4.58	1.28
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column.....	5.75	1.35
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column.....	6.83	1.38
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column.....	9.12	1.47
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column.....	10.96	1.56
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column.....	7.42	1.43
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column.....	9.07	1.49
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column.....	12.48	1.61
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column.....	15.05	1.65
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column.....	11.24	1.56
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column.....	15.56	1.61
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column.....	19.03	1.68
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column.....	18.79	1.68
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column.....	23.18	1.79
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column.....	27.46	1.98

06 13 23 00-0068 Douglas Fir, Heavy Timber Columns (06 13 23 00-0001)

06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column.....	4.79	1.28
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column.....	6.05	1.35
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column.....	7.25	1.38
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column.....	9.73	1.47
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column.....	11.74	1.56
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column.....	7.87	1.43
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column.....	9.67	1.49
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column.....	13.40	1.61
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column.....	16.23	1.65
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column.....	12.05	1.56
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column.....	16.80	1.61
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column.....	20.59	1.68
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column.....	20.32	1.68
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column.....	25.12	1.79
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column.....	29.80	1.98

06 13 23 00-0084 Pressure Treated, Heavy Timber Columns (06 13 23 00-0001)

06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column.....	5.28	1.28
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column.....	7.04	1.35
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column.....	8.50	1.38
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column.....	11.63	1.47
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column.....	14.15	1.56
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column.....	10.17	1.43
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column.....	12.77	1.49
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column.....	15.51	1.61
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column.....	19.42	1.65
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column.....	19.74	1.56
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column.....	23.18	1.61
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column.....	27.55	1.68
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column.....	27.68	1.68
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column.....	37.15	1.79
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column.....	44.24	1.98

MINOR
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 TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 15 Wood Decking (06 10)
06 15 13 Wood Floor Decking (06 15)

06 15 13 00-0001	Wood Deck Systems (06 15 13)		
Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.			
06 15 13 00-0002	Pressure Treated Wood Deck System (06 15 13 00-0001)		
06 15 13 00-0003	2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)		
06 15 13 00-0004	SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.34	8.22
06 15 13 00-0005	SF 5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	39.93	7.81
06 15 13 00-0006	SF 2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.84	8.42
06 15 13 00-0007	SF 2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.42	8.01
06 15 13 00-0008	2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)		
06 15 13 00-0009	SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	42.70	8.42
06 15 13 00-0010	SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	41.24	8.00
06 15 13 00-0011	SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	44.20	8.64
06 15 13 00-0012	SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	42.76	8.20
06 15 13 00-0013	2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)		
06 15 13 00-0014	SF 5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	41.34	8.22
06 15 13 00-0015	SF 5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	39.93	7.81
06 15 13 00-0016	SF 2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.84	8.42
06 15 13 00-0017	SF 2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	41.42	8.01
06 15 13 00-0018	Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0001)		
06 15 13 00-0019	2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)		
06 15 13 00-0020	SF 5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	43.78	8.22
06 15 13 00-0021	SF 5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.47	8.16
06 15 13 00-0022	SF 2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	45.89	8.42
06 15 13 00-0023	SF 2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	44.29	8.01
06 15 13 00-0024	2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)		
06 15 13 00-0025	SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	46.52	8.42
06 15 13 00-0026	SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	45.17	8.00
06 15 13 00-0027	SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	48.77	8.64
06 15 13 00-0028	SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	47.17	8.20
06 15 13 00-0029	2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)		
06 15 13 00-0030	SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	44.76	8.22
06 15 13 00-0031	SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	43.45	7.81
06 15 13 00-0032	SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	46.92	8.42
06 15 13 00-0033	SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	46.11	8.01
06 15 13 00-0034	Cypress With Pressure Treated Joists, Wood Deck System (06 15 13 00-0001)		
06 15 13 00-0035	2" x 8" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System (06 15 13 00-0034)		
06 15 13 00-0036	SF 5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.67	8.22
06 15 13 00-0037	SF 5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.32	7.81
06 15 13 00-0038	SF 2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	44.64	8.42
06 15 13 00-0039	SF 2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	43.03	8.01
06 15 13 00-0040	2" x 10" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System (06 15 13 00-0034)		
06 15 13 00-0041	SF 5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	45.20	8.42
06 15 13 00-0042	SF 5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	43.80	8.00
06 15 13 00-0043	SF 2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	47.29	8.64
06 15 13 00-0044	SF 2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	46.11	8.20
06 15 13 00-0045	2" x 10" Joists At 24" On Center, Cypress With Pressure Treated Joists, Wood Deck System (06 15 13 00-0034)		
06 15 13 00-0046	SF 5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	44.29	8.22
06 15 13 00-0047	SF 5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.19	7.81
06 15 13 00-0048	SF 2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	45.57	8.42
06 15 13 00-0049	SF 2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	44.38	8.01

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 15 13 00-0050	Cedar With Pressure Treated Joists Wood Deck System (06 15 13 00-0001)				
06 15 13 00-0051	2" x 8" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System (06 15 13 00-0050)				
06 15 13 00-0052	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	42.22	8.22	
06 15 13 00-0053	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	40.84	7.81	
06 15 13 00-0054	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	43.79	8.42	
06 15 13 00-0055	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	42.42	8.01	
06 15 13 00-0056	2" x 10" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System (06 15 13 00-0050)				
06 15 13 00-0057	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	43.65	8.42	
06 15 13 00-0058	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	42.61	8.00	
06 15 13 00-0059	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	45.21	8.64	
06 15 13 00-0060	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	43.88	8.20	
06 15 13 00-0061	2" x 10" Joists At 24" On Center, Cedar With Pressure Treated Joists, Wood Deck System (06 15 13 00-0050)				
06 15 13 00-0062	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	42.77	8.22	
06 15 13 00-0063	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	41.39	7.81	
06 15 13 00-0064	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	44.36	8.42	
06 15 13 00-0065	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	42.99	8.01	
06 15 13 00-0066	Wood Stair Systems (06 15 13)				
	Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.				
06 15 13 00-0067	Pressure Treated Wood Stair System (06 15 13 00-0066)				
06 15 13 00-0068	2" x 10" Joists, Pressure Treated Wood Stair System (06 15 13 00-0067)				
06 15 13 00-0069	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	129.96	19.72	
06 15 13 00-0070	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	126.39	18.73	
06 15 13 00-0071	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	133.89	20.22	
06 15 13 00-0072	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	129.73	19.21	
06 15 13 00-0073	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	136.45	20.71	
06 15 13 00-0074	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	132.71	19.68	
06 15 13 00-0075	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	140.59	21.23	
06 15 13 00-0076	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	136.22	20.18	
06 15 13 00-0077	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	143.14	21.74	
06 15 13 00-0078	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	139.20	20.65	
06 15 13 00-0079	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	147.48	22.30	
06 15 13 00-0080	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	142.88	21.18	
06 15 13 00-0081	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	151.78	22.83	
06 15 13 00-0082	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	147.73	21.68	
06 15 13 00-0083	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	156.40	23.41	
06 15 13 00-0084	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	151.63	22.25	
06 15 13 00-0085	2" x 12" Joists, Pressure Treated Wood Stair System (06 15 13 00-0067)				
06 15 13 00-0086	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	132.80	20.21	
06 15 13 00-0087	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	128.67	19.20	
06 15 13 00-0088	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	136.95	20.73	
06 15 13 00-0089	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	132.74	19.70	
06 15 13 00-0090	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	139.43	21.22	
06 15 13 00-0091	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	135.11	20.17	
06 15 13 00-0092	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	143.80	21.77	
06 15 13 00-0093	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	139.37	20.67	
06 15 13 00-0094	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	146.28	22.28	
06 15 13 00-0095	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	141.72	21.17	
06 15 13 00-0096	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	150.84	22.85	
06 15 13 00-0097	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	146.19	21.71	
06 15 13 00-0098	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	155.09	23.40	
06 15 13 00-0099	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	150.37	22.24	
06 15 13 00-0100	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	159.95	24.00	
06 15 13 00-0101	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	155.13	22.80	
06 15 13 00-0102	Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0066)				
06 15 13 00-0103	2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System (06 15 13 00-0102)				
06 15 13 00-0104	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	143.49	19.72	
06 15 13 00-0105	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	139.79	18.73	
06 15 13 00-0106	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	148.26	20.22	
06 15 13 00-0107	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	144.52	19.21	
06 15 13 00-0108	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	150.65	20.71	
06 15 13 00-0109	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	146.78	19.68	
06 15 13 00-0110	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	155.68	21.23	
06 15 13 00-0111	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	151.75	20.18	
06 15 13 00-0112	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	157.98	21.74	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0113	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	153.90	20.65
06 15 13 00-0114	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	163.25	22.30
06 15 13 00-0115	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	159.11	21.18
06 15 13 00-0116	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	168.11	22.83
06 15 13 00-0117	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	163.91	21.68
06 15 13 00-0118	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	173.74	23.41
06 15 13 00-0119	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	169.48	22.25
06 15 13 00-0120 2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System				
(06 15 13 00-0102)				
06 15 13 00-0121	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	142.34	20.21
06 15 13 00-0122	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	138.54	19.20
06 15 13 00-0123	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	146.88	20.73
06 15 13 00-0124	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	143.13	19.70
06 15 13 00-0125	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.45	21.22
06 15 13 00-0126	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.48	20.17
06 15 13 00-0127	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	154.22	21.77
06 15 13 00-0128	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.28	20.67
06 15 13 00-0129	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	156.75	22.28
06 15 13 00-0130	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	152.56	21.17
06 15 13 00-0131	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	161.74	22.85
06 15 13 00-0132	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	157.60	21.71
06 15 13 00-0133	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	166.60	23.40
06 15 13 00-0134	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	162.29	22.24
06 15 13 00-0135	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	171.94	24.00
06 15 13 00-0136	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	167.67	22.80
06 15 13 00-0137 Cypress With Pressure Treated Joists, Wood Stair System				
(06 15 13 00-0066)				
06 15 13 00-0138 2" x 10" Joists, Cypress With Pressure Treated Joists, Wood Stair System				
(06 15 13 00-0137)				
06 15 13 00-0139	RSR	3' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	138.75	19.72
06 15 13 00-0140	RSR	3' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	134.91	18.73
06 15 13 00-0141	RSR	3' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	143.29	20.22
06 15 13 00-0142	RSR	3' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	139.37	19.21
06 15 13 00-0143	RSR	3'-6" Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	145.68	20.71
06 15 13 00-0144	RSR	3'-6" Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	141.66	19.68
06 15 13 00-0145	RSR	3'-6" Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	150.46	21.23
06 15 13 00-0146	RSR	3'-6" Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.34	20.18
06 15 13 00-0147	RSR	4' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	152.79	21.74
06 15 13 00-0148	RSR	4' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	148.55	20.65
06 15 13 00-0149	RSR	4' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	157.79	22.30
06 15 13 00-0150	RSR	4' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	153.46	21.18
06 15 13 00-0151	RSR	5' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	162.39	22.83
06 15 13 00-0152	RSR	5' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	158.02	21.68
06 15 13 00-0153	RSR	5' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	167.74	23.41
06 15 13 00-0154	RSR	5' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	163.26	22.25
06 15 13 00-0155 2" x 12" Joists, Cypress With Pressure Treated Joists, Wood Stair System				
(06 15 13 00-0137)				
06 15 13 00-0156	RSR	3' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	138.05	20.21
06 15 13 00-0157	RSR	3' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	134.11	19.20
06 15 13 00-0158	RSR	3' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	142.37	20.73
06 15 13 00-0159	RSR	3' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	138.43	19.70
06 15 13 00-0160	RSR	3'-6" Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	144.95	21.22
06 15 13 00-0161	RSR	3'-6" Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.83	20.17
06 15 13 00-0162	RSR	3'-6" Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.49	21.77
06 15 13 00-0163	RSR	3'-6" Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.35	20.67
06 15 13 00-0164	RSR	4' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	152.04	22.28
06 15 13 00-0165	RSR	4' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	147.70	21.17
06 15 13 00-0166	RSR	4' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	156.79	22.85
06 15 13 00-0167	RSR	4' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	152.45	21.71
06 15 13 00-0168	RSR	5' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	161.42	23.40
06 15 13 00-0169	RSR	5' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	156.94	22.24
06 15 13 00-0170	RSR	5' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	166.50	24.00
06 15 13 00-0171	RSR	5' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists	162.01	22.80
06 15 13 00-0172 Cedar With Pressure Treated Joists, Wood Stair System				
(06 15 13 00-0066)				
06 15 13 00-0173 2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Stair System				
(06 15 13 00-0172)				
06 15 13 00-0174	RSR	3' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	133.34	19.72
06 15 13 00-0175	RSR	3' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	129.96	18.73
06 15 13 00-0176	RSR	3' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	137.43	20.22
06 15 13 00-0177	RSR	3' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	133.40	19.21
06 15 13 00-0178	RSR	3'-6" Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	140.00	20.71
06 15 13 00-0179	RSR	3'-6" Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	136.46	19.68
06 15 13 00-0180	RSR	3'-6" Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	144.31	21.23
06 15 13 00-0181	RSR	3'-6" Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	140.08	20.18
06 15 13 00-0182	RSR	4' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	146.84	21.74
06 15 13 00-0183	RSR	4' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	143.12	20.65
06 15 13 00-0184	RSR	4' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.36	22.30
06 15 13 00-0185	RSR	4' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.91	21.18

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 15 Wood Decking**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 15 13 00-0186	RSR	5' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	155.86	22.83
06 15 13 00-0187	RSR	5' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	152.05	21.68
06 15 13 00-0188	RSR	5' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	160.67	23.41
06 15 13 00-0189	RSR	5' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	156.06	22.25

06 15 13 00-0190 2" x 12" Joists, Cedar With Pressure Treated Joists, Wood Stair System (06 15

13 00-0172)

06 15 13 00-0191	RSR	3' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.21	20.21
06 15 13 00-0192	RSR	3' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	132.22	19.20
06 15 13 00-0193	RSR	3' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.54	20.73
06 15 13 00-0194	RSR	3' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.47	19.70
06 15 13 00-0195	RSR	3'-6" Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	143.01	21.22
06 15 13 00-0196	RSR	3'-6" Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.84	20.17
06 15 13 00-0197	RSR	3'-6" Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	147.56	21.77
06 15 13 00-0198	RSR	3'-6" Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	143.30	20.67
06 15 13 00-0199	RSR	4' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.03	22.28
06 15 13 00-0200	RSR	4' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.62	21.17
06 15 13 00-0201	RSR	4' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	154.78	22.85
06 15 13 00-0202	RSR	4' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	150.30	21.71
06 15 13 00-0203	RSR	5' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	159.20	23.40
06 15 13 00-0204	RSR	5' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	154.66	22.24
06 15 13 00-0205	RSR	5' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	164.29	24.00
06 15 13 00-0206	RSR	5' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	159.64	22.80

06 15 13 00-0207 Wood Deck And Ramp Systems Repairs (06 15 13)

Note: Includes removal of material and screws. Excludes anchors and bolts.

06 15 13 00-0208 Deck Joist Or Girt (06 15 13 00-0207)

See CSI section 06 11 16 00-0209 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.

06 15 13 00-0209 Deck Boards (06 15 13 00-0207)

See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.

06 15 13 00-0210	LF	5/4" x 4" Round Edge Pressure Treated Deck Boards.....	2.42	1.05
06 15 13 00-0211	LF	5/4" x 6" Round Edge Pressure Treated Deck Boards.....	2.69	1.25
06 15 13 00-0212	LF	2" x 4" Round Edge Pressure Treated Deck Boards.....	2.58	1.25
06 15 13 00-0213	LF	2" x 6" Round Edge Pressure Treated Deck Boards.....	3.35	1.43
06 15 13 00-0214	LF	2" x 8" Round Edge Pressure Treated Deck Boards.....	4.25	1.72
06 15 13 00-0215	LF	2" x 10" Round Edge Pressure Treated Deck Boards.....	5.21	2.10
06 15 13 00-0216	LF	2" x 12" Round Edge Pressure Treated Deck Boards.....	6.40	2.48
06 15 13 00-0217	LF	2" x 4" Round Edge Cedar Deck Boards	3.02	1.25
06 15 13 00-0218	LF	2" x 6" Round Edge Cedar Deck Boards	3.88	1.43
06 15 13 00-0219	LF	2" x 4" Round Edge Redwood Deck Boards	3.29	1.25
06 15 13 00-0220	LF	2" x 6" Round Edge Redwood Deck Boards	4.29	1.43

06 15 13 00-0221 Deck Posts (06 15 13 00-0207)

See CSI section 06 11 16 00-0038 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.

06 15 13 00-0222 Deck Railing And Pickets (06 15 13 00-0207)

See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.

06 15 13 00-0223	LF	2" x 4" Pressure Treated Deck Railing.....	2.58	1.25
06 15 13 00-0224	LF	2" x 2" Pressure Treated Deck Railing Picket.....	1.91	0.95
06 15 13 00-0225	LF	2" x 4" Cedar Deck Railing.....	3.02	1.25
06 15 13 00-0226	LF	2" x 2" Cedar Deck Railing Picket.....	2.29	0.95
06 15 13 00-0227	LF	2" x 4" Redwood Deck Railing	3.29	1.25
06 15 13 00-0228	LF	2" x 2" Redwood Deck Railing Picket.....	2.49	0.95

06 15 13 00-0229 Wood Ramp Systems (06 15 13)

Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.

06 15 13 00-0230 Pressure Treated Wood Ramp System (06 15 13 00-0229)**06 15 13 00-0231 2" x 6" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0230)**

06 15 13 00-0232	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	48.43	8.01
06 15 13 00-0233	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	46.63	7.61
06 15 13 00-0234	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	50.07	8.22
06 15 13 00-0235	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	48.25	7.81

06 15 13 00-0236 2" x 8" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0230)

06 15 13 00-0237	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.92	8.22
06 15 13 00-0238	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	48.08	7.81
06 15 13 00-0239	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	51.63	8.42
06 15 13 00-0240	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.78	8.01

06 15 13 00-0241 2" x 10" Joists, Pressure Treated Wood Ramp System (06 15 13 00-0230)

06 15 13 00-0242	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	51.47	8.41
06 15 13 00-0243	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	49.59	8.00
06 15 13 00-0244	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	53.23	8.64
06 15 13 00-0245	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	51.34	8.20

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 15 13 00-0246	Redwood With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0229)	
06 15 13 00-0247	2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0246)	
06 15 13 00-0248 SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	50.72 8.01
06 15 13 00-0249 SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	49.02 7.61
06 15 13 00-0250 SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	52.94 8.22
06 15 13 00-0251 SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	50.95 7.81
06 15 13 00-0252	2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0246)	
06 15 13 00-0253 SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	52.36 8.22
06 15 13 00-0254 SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	50.62 7.81
06 15 13 00-0255 SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	54.68 8.42
06 15 13 00-0256 SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	52.65 8.01
06 15 13 00-0257	2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0246)	
06 15 13 00-0258 SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	55.30 8.41
06 15 13 00-0259 SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	53.52 8.00
06 15 13 00-0260 SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	57.80 8.64
06 15 13 00-0261 SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	56.25 8.20
06 15 13 00-0262	Cypress With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0229)	
06 15 13 00-0263	2" x 6" Joists, Cypress With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0262)	
06 15 13 00-0264 SF	5/4" x 4" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	49.68 8.01
06 15 13 00-0265 SF	5/4" x 6" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	47.94 7.61
06 15 13 00-0266 SF	2" x 4" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	51.77 8.22
06 15 13 00-0267 SF	2" x 6" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	49.76 7.81
06 15 13 00-0268	2" x 8" Joists, Cypress With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0262)	
06 15 13 00-0269 SF	5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	51.25 8.22
06 15 13 00-0270 SF	5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	49.47 7.81
06 15 13 00-0271 SF	2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	53.43 8.42
06 15 13 00-0272 SF	2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	51.39 8.01
06 15 13 00-0273	2" x 10" Joists, Cypress With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0262)	
06 15 13 00-0274 SF	5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	53.91 8.41
06 15 13 00-0275 SF	5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	52.15 8.00
06 15 13 00-0276 SF	2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	56.32 8.64
06 15 13 00-0277 SF	2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	54.69 8.20
06 15 13 00-0278	Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0229)	
06 15 13 00-0279	2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0278)	
06 15 13 00-0280 SF	5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	49.24 8.01
06 15 13 00-0281 SF	5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	47.47 7.61
06 15 13 00-0282 SF	2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	50.95 8.22
06 15 13 00-0283 SF	2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System.....	49.17 7.81
06 15 13 00-0284	2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0278)	
06 15 13 00-0285 SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	50.79 8.22
06 15 13 00-0286 SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	48.98 7.81
06 15 13 00-0287 SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	52.56 8.42
06 15 13 00-0288 SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System.....	50.76 8.01
06 15 13 00-0289	2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System (06 15 13 00-0278)	
06 15 13 00-0290 SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	52.41 8.41
06 15 13 00-0291 SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	50.55 8.00
06 15 13 00-0292 SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	54.22 8.64
06 15 13 00-0293 SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	52.38 8.20

06 16 Sheathing (06 10)
06 16 23 Subflooring (06 16)

06 16 23 00-0001 Board Type Subflooring (06 16 23)

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor.....	3.77	1.09
		Note: 4 Sides Laid In A Regular Pattern.		
		For Water Resistant Coating Or Treatment, Add	0.08	
		For Foil Backing, Add	0.13	
		For Tongue And Groove, Add	0.09	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor	4.22	1.37
		Note: 4 Sides Laid In A Diagonal Pattern.		
		For Water Resistant Coating Or Treatment, Add	0.08	
		For Foil Backing, Add	0.13	
		For Tongue And Groove, Add	0.09	
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor	3.61	0.95
		Note: 4 sides laid in a regular pattern.		
		For Water Resistant Coating Or Treatment, Add	0.08	
		For Foil Backing, Add	0.14	
		For Tongue And Groove, Add	0.10	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor	3.92	1.09
		Note: 4 sides laid in a diagonal pattern.		
		For Water Resistant Coating Or Treatment, Add	0.08	
		For Foil Backing, Add	0.14	
		For Tongue And Groove, Add	0.10	

06 16 33 Wood Board Sheathing (06 16)**06 16 33 00-0001 Plywood (06 16 33)****06 16 33 00-0002 Roof Decking (06 16 33 00-0001)**

06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking	2.23	0.68
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.32	
		For Exterior CC Grade Plywood, Add	0.09	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.32	
		For ACQ Preservative Treatment, Add	0.30	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.42	
		For Fire Retardant Treatment, Add	0.49	
		For >1,696 To 3,200, Deduct	-0.04	
		For >3,200 To 6,400, Deduct	-0.06	
		For >6,400 To 12,800, Deduct	-0.11	
		For >12,800, Deduct	-0.15	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking	2.51	0.82
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.35	
		For Exterior CC Grade Plywood, Add	0.11	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.35	
		For ACQ Preservative Treatment, Add	0.36	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.63	
		For Fire Retardant Treatment, Add	0.60	
		For >1,696 To 3,200, Deduct	-0.05	
		For >3,200 To 6,400, Deduct	-0.07	
		For >6,400 To 12,800, Deduct	-0.13	
		For >12,800, Deduct	-0.18	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking	2.84	0.82
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.38	
		For Exterior CC Grade Plywood, Add	0.14	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.38	
		For ACQ Preservative Treatment, Add	0.46	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.82	
		For Fire Retardant Treatment, Add	0.76	
		For >1,696 To 3,200, Deduct	-0.06	
		For >3,200 To 6,400, Deduct	-0.09	
		For >6,400 To 12,800, Deduct	-0.15	
		For >12,800, Deduct	-0.21	
		For Tongue And Groove, Add	0.07	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking	3.15	0.95
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.41	
		For Exterior CC Grade Plywood, Add	0.17	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.41	
		For ACQ Preservative Treatment, Add	0.53	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.06	
		For Fire Retardant Treatment, Add	0.88	
		For >1,696 To 3,200, Deduct	-0.07	
		For >3,200 To 6,400, Deduct	-0.10	
		For >6,400 To 12,800, Deduct	-0.17	
		For >12,800, Deduct	-0.24	
		For Tongue And Groove, Add	0.08	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking	3.72	1.09
		Note: Applied to wood rafters.		
		For Shear Wall Construction, Add	0.44	
		For Exterior CC Grade Plywood, Add	0.23	
		For Application To Metal Studs, Joists, Or Rafters, Add	0.44	
		For ACQ Preservative Treatment, Add	0.72	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.33	
		For Fire Retardant Treatment, Add	1.19	
		For >1,696 To 3,200, Deduct	-0.09	
		For >3,200 To 6,400, Deduct	-0.14	
		For >6,400 To 12,800, Deduct	-0.22	
		For >12,800, Deduct	-0.29	
		For Tongue And Groove, Add	0.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
06 16 33 00-0008 Wall Sheathing (06 16 33 00-0001)					
06 16 33 00-0009	SF		1/4" Interior BC Plywood Wall Sheathing.....	2.66	0.95
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.41	
			For Exterior CC Grade Plywood, Add	0.09	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.41	
			For Ceiling Installation, Add	0.20	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.06	
			For Fire Retardant Treatment, Add	0.49	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.12	
			For >12,800, Deduct	-0.18	
06 16 33 00-0010	SF		5/16" Interior BC Plywood Wall Sheathing.....	2.69	0.95
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.41	
			For Exterior CC Grade Plywood, Add	0.10	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.41	
			For Ceiling Installation, Add	0.20	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.06	
			For Fire Retardant Treatment, Add	0.51	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.12	
			For >12,800, Deduct	-0.18	
06 16 33 00-0011	SF		3/8" Interior BC Plywood Wall Sheathing.....	2.75	1.09
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.41	
			For Exterior CC Grade Plywood, Add	0.11	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.41	
			For Ceiling Installation, Add	0.20	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.06	
			For Fire Retardant Treatment, Add	0.56	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.13	
			For >12,800, Deduct	-0.19	
06 16 33 00-0012	SF		1/2" Interior BC Plywood Wall Sheathing.....	3.06	1.09
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.43	
			For Exterior CC Grade Plywood, Add	0.13	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.43	
			For Ceiling Installation, Add	0.22	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.26	
			For Fire Retardant Treatment, Add	0.70	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.08	
			For >6,400 To 12,800, Deduct	-0.15	
			For >12,800, Deduct	-0.22	
06 16 33 00-0013	SF		5/8" Interior BC Plywood Wall Sheathing.....	3.43	1.23
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.47	
			For Exterior CC Grade Plywood, Add	0.16	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.47	
			For Ceiling Installation, Add	0.23	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.51	
			For Fire Retardant Treatment, Add	0.86	
			For >1,696 To 3,200, Deduct	-0.07	
			For >3,200 To 6,400, Deduct	-0.10	
			For >6,400 To 12,800, Deduct	-0.18	
			For >12,800, Deduct	-0.25	
06 16 33 00-0014	SF		3/4" Interior BC Plywood Wall Sheathing.....	3.77	1.37
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.50	
			For Exterior CC Grade Plywood, Add	0.19	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.50	
			For Ceiling Installation, Add	0.25	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.78	
			For Fire Retardant Treatment, Add	0.99	
			For >1,696 To 3,200, Deduct	-0.08	
			For >3,200 To 6,400, Deduct	-0.11	
			For >6,400 To 12,800, Deduct	-0.20	
			For >12,800, Deduct	-0.28	
06 16 33 00-0015 Floor Decking (06 16 33 00-0001)					
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF		5/16" CD Grade Plywood Floor Decking.....	2.01	0.82
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.30	
			For Fire Retardant Treatment, Add	0.38	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.09	
			For >12,800, Deduct	-0.13	
			For ACQ Preservative Treatment, Add	0.23	
			For Fir Plywood, Add	0.09	
			For BC Grade Plywood, Add	0.07	
			For Exterior Glue, Add	0.04	
			For Marine Grade, Add	0.38	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking.....	2.12	0.82
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.42	
		For Fire Retardant Treatment, Add	0.40	
		For >1,696 To 3,200, Deduct	-0.03	
		For >3,200 To 6,400, Deduct	-0.05	
		For >6,400 To 12,800, Deduct	-0.10	
		For >12,800, Deduct	-0.14	
		For ACQ Preservative Treatment, Add	0.24	
		For Fir Plywood, Add	0.09	
		For BC Grade Plywood, Add	0.08	
		For Exterior Glue, Add	0.05	
		For Marine Grade, Add	0.40	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking.....	2.38	0.82
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.55	
		For Fire Retardant Treatment, Add	0.54	
		For >1,696 To 3,200, Deduct	-0.04	
		For >3,200 To 6,400, Deduct	-0.06	
		For >6,400 To 12,800, Deduct	-0.12	
		For >12,800, Deduct	-0.17	
		For ACQ Preservative Treatment, Add	0.33	
		For Fir Plywood, Add	0.13	
		For BC Grade Plywood, Add	0.10	
		For Exterior Glue, Add	0.06	
		For Marine Grade, Add	0.53	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking.....	2.69	0.82
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.79	
		For Fire Retardant Treatment, Add	0.66	
		For >1,696 To 3,200, Deduct	-0.05	
		For >3,200 To 6,400, Deduct	-0.07	
		For >6,400 To 12,800, Deduct	-0.14	
		For >12,800, Deduct	-0.19	
		For ACQ Preservative Treatment, Add	0.40	
		For Fir Plywood, Add	0.15	
		For BC Grade Plywood, Add	0.12	
		For Exterior Glue, Add	0.08	
		For Marine Grade, Add	0.65	
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking.....	3.04	0.82
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.96	
		For Fire Retardant Treatment, Add	0.85	
		For >1,696 To 3,200, Deduct	-0.06	
		For >3,200 To 6,400, Deduct	-0.10	
		For >6,400 To 12,800, Deduct	-0.17	
		For >12,800, Deduct	-0.23	
		For ACQ Preservative Treatment, Add	0.51	
		For Fir Plywood, Add	0.20	
		For BC Grade Plywood, Add	0.16	
		For Exterior Glue, Add	0.10	
		For Marine Grade, Add	0.84	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking.....	4.37	1.23
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.53	
		For Fire Retardant Treatment, Add	1.60	
		For >1,696 To 3,200, Deduct	-0.12	
		For >3,200 To 6,400, Deduct	-0.18	
		For >6,400 To 12,800, Deduct	-0.28	
		For >12,800, Deduct	-0.36	
		For ACQ Preservative Treatment, Add	0.97	
		For Fir Plywood, Add	0.37	
		For BC Grade Plywood, Add	0.30	
		For Exterior Glue, Add	0.19	
		For Marine Grade, Add	1.58	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking.....	2.78	0.82
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.55	
		For Fire Retardant Treatment, Add	0.85	
		For >1,696 To 3,200, Deduct	-0.06	
		For >3,200 To 6,400, Deduct	-0.10	
		For >6,400 To 12,800, Deduct	-0.16	
		For >12,800, Deduct	-0.21	
		For ACQ Preservative Treatment, Add	0.52	
		For Exterior Glue, Add	0.10	
		For Marine Grade, Add	0.85	
		For Tongue And Groove, Add	0.08	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking.....	3.16	0.82
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.79	
		For Fire Retardant Treatment, Add	1.03	
		For >1,696 To 3,200, Deduct	-0.08	
		For >3,200 To 6,400, Deduct	-0.12	
		For >6,400 To 12,800, Deduct	-0.19	
		For >12,800, Deduct	-0.25	
		For ACQ Preservative Treatment, Add	0.62	
		For Exterior Glue, Add	0.12	
		For Marine Grade, Add	1.02	
		For Tongue And Groove, Add	0.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0024	SF		3/4" AC Fir Plywood Floor Decking.....	3.37	0.82
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.96	
			For Fire Retardant Treatment, Add	1.11	
			For >1,696 To 3,200, Deduct	-0.08	
			For >3,200 To 6,400, Deduct	-0.13	
			For >6,400 To 12,800, Deduct	-0.20	
			For >12,800, Deduct	-0.27	
			For ACQ Preservative Treatment, Add	0.67	
			For Exterior Glue, Add	0.13	
			For Marine Grade, Add	1.10	
			For Tongue And Groove, Add	0.10	
06 16 33 00-0025			Underlayment Grade (06 16 33 00-0001)		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026	SF		1/4" Thick Plywood Underlayment BC Grade	2.13	0.82
			For Fire Retardant Treatment, Add	0.44	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.09	
			For >12,800, Deduct	-0.15	
06 16 33 00-0027	SF		3/8" Thick Plywood Underlayment BC Grade	2.28	0.82
			For Fire Retardant Treatment, Add	0.49	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.16	
06 16 33 00-0028	SF		1/2" Thick Plywood Underlayment BC Grade	2.36	0.95
			For Fire Retardant Treatment, Add	0.53	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.16	
06 16 33 00-0029	SF		5/8" Thick Plywood Underlayment BC Grade	2.67	0.95
			For Fire Retardant Treatment, Add	0.62	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.12	
			For >12,800, Deduct	-0.19	
			For Tongue And Groove, Add	0.06	
06 16 33 00-0030	SF		3/4" Thick Plywood Underlayment BC Grade	2.84	0.95
			For Fire Retardant Treatment, Add	0.76	
			For >1,696 To 3,200, Deduct	-0.06	
			For >3,200 To 6,400, Deduct	-0.09	
			For >6,400 To 12,800, Deduct	-0.13	
			For >12,800, Deduct	-0.21	
			For Tongue And Groove, Add	0.07	
06 16 33 00-0031	SF		1-1/8" Thick Plywood Underlayment BC Grade	3.57	1.09
			For Fire Retardant Treatment, Add	1.15	
			For >1,696 To 3,200, Deduct	-0.09	
			For >3,200 To 6,400, Deduct	-0.13	
			For >6,400 To 12,800, Deduct	-0.18	
			For >12,800, Deduct	-0.28	
			For Tongue And Groove, Add	0.10	
06 16 33 00-0032	SF		3/8" Thick CDX Plywood Underlayment Grade.....	2.41	0.82
			For Fire Retardant Treatment, Add	0.59	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.11	
			For >12,800, Deduct	-0.17	
06 16 33 00-0033	SF		5/8" Thick CDX Plywood Underlayment Grade.....	3.00	0.95
			For Fire Retardant Treatment, Add	0.90	
			For >1,696 To 3,200, Deduct	-0.07	
			For >3,200 To 6,400, Deduct	-0.10	
			For >6,400 To 12,800, Deduct	-0.15	
			For >12,800, Deduct	-0.23	
06 16 33 00-0034			Oriented Strand Board (06 16 33)		
06 16 33 00-0035			On Roof (06 16 33 00-0034)		
06 16 33 00-0036	SF		3/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.04	0.82
			For >1,408 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.09	
			For >12,800, Deduct	-0.13	
			For Fire Retardant Treatment, Add	0.34	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.42	
06 16 33 00-0037	SF		1/2" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.26	0.82
			For >1,408 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.15	
			For Fire Retardant Treatment, Add	0.40	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.63	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 16 Sheathing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 16 33 00-0038	SF 5/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.61		0.95
	For >1,408 To 3,200, Deduct	-0.04		
	For >3,200 To 6,400, Deduct	-0.07		
	For >6,400 To 12,800, Deduct	-0.13		
	For >12,800, Deduct	-0.18		
	For Fire Retardant Treatment, Add	0.58		
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.82		
06 16 33 00-0039	SF 3/4" Thick Structural Oriented Strand Board (OSB) On Roof.....	3.01		0.95
	For >1,408 To 3,200, Deduct	-0.06		
	For >3,200 To 6,400, Deduct	-0.09		
	For >6,400 To 12,800, Deduct	-0.16		
	For >12,800, Deduct	-0.22		
	For Fire Retardant Treatment, Add	0.77		
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.06		
06 16 33 00-0040	On Walls (06 16 33 00-0034)			
06 16 33 00-0041	SF 3/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.47		0.95
	For >1,408 To 3,200, Deduct	-0.03		
	For >3,200 To 6,400, Deduct	-0.04		
	For >6,400 To 12,800, Deduct	-0.10		
	For >12,800, Deduct	-0.15		
	For Fire Retardant Treatment, Add	0.34		
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.06		
06 16 33 00-0042	SF 1/2" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.68		1.09
	For >1,408 To 3,200, Deduct	-0.03		
	For >3,200 To 6,400, Deduct	-0.05		
	For >6,400 To 12,800, Deduct	-0.11		
	For >12,800, Deduct	-0.17		
	For Fire Retardant Treatment, Add	0.40		
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.26		
06 16 33 00-0043	SF 5/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	3.07		1.23
	For >1,408 To 3,200, Deduct	-0.04		
	For >3,200 To 6,400, Deduct	-0.07		
	For >6,400 To 12,800, Deduct	-0.14		
	For >12,800, Deduct	-0.20		
	For Fire Retardant Treatment, Add	0.58		
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.51		
06 16 33 00-0044	SF 3/4" Thick Structural Oriented Strand Board (OSB) On Walls.....	3.49		1.23
	For >1,408 To 3,200, Deduct	-0.06		
	For >3,200 To 6,400, Deduct	-0.09		
	For >6,400 To 12,800, Deduct	-0.17		
	For >12,800, Deduct	-0.24		
	For Fire Retardant Treatment, Add	0.77		
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.78		
06 16 33 00-0045	On Floors (06 16 33 00-0034)			
	Note: Includes patching of seams and all fastener holes where necessary.			
06 16 33 00-0046	SF 3/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.07		0.82
	For >1,408 To 3,200, Deduct	-0.03		
	For >3,200 To 6,400, Deduct	-0.04		
	For >6,400 To 12,800, Deduct	-0.09		
	For >12,800, Deduct	-0.13		
	For Fire Retardant Treatment, Add	0.34		
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.46		
06 16 33 00-0047	SF 1/2" Thick Structural Oriented Strand Board (OSB) On Floors	2.48		0.95
	For >1,408 To 3,200, Deduct	-0.03		
	For >3,200 To 6,400, Deduct	-0.05		
	For >6,400 To 12,800, Deduct	-0.11		
	For >12,800, Deduct	-0.16		
	For Fire Retardant Treatment, Add	0.40		
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.96		
06 16 33 00-0048	SF 5/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.87		1.09
	For >1,408 To 3,200, Deduct	-0.04		
	For >3,200 To 6,400, Deduct	-0.07		
	For >6,400 To 12,800, Deduct	-0.13		
	For >12,800, Deduct	-0.19		
	For Fire Retardant Treatment, Add	0.58		
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.21		
06 16 33 00-0049	SF 3/4" Thick Structural Oriented Strand Board (OSB) On Floors	3.31		1.23
	For >1,408 To 3,200, Deduct	-0.06		
	For >3,200 To 6,400, Deduct	-0.09		
	For >6,400 To 12,800, Deduct	-0.17		
	For >12,800, Deduct	-0.23		
	For Fire Retardant Treatment, Add	0.77		
	For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	3.51		
06 16 33 00-0050	Particle Board (06 16 33)			
06 16 33 00-0051	Particle Board Floor Decking (06 16 33 00-0050)			
	Note: Includes patching of seams and all fastener holes where necessary.			
06 16 33 00-0052	SF 3/8" Particle Board Floor Decking	2.25		0.68
	Note: Applied to plywood subfloor.			
	For Fire Retardant Treatment Add	0.51		
	For >1,536 To 3,200, Deduct	-0.04		
	For >3,200 To 6,400, Deduct	-0.06		
	For >6,400 To 12,800, Deduct	-0.11		
	For >12,800, Deduct	-0.16		
	For Tongue And Groove, Add	0.04		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0053	SF		1/2" Particle Board Floor Decking..... Note: Applied to plywood subfloor. For Fire Retardant Treatment Add For >1,536 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	2.57 0.69 -0.05 -0.08 -0.14 -0.19 0.06	0.68
06 16 33 00-0054	SF		5/8" Particle Board Floor Decking..... Note: Applied to plywood subfloor. For Fire Retardant Treatment Add For >1,536 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	2.88 0.86 -0.07 -0.10 -0.16 -0.22 0.08	0.82
06 16 33 00-0055	SF		3/4" Particle Board Floor Decking..... Note: Applied to plywood subfloor. For Fire Retardant Treatment Add For >1,536 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Tongue And Groove, Add	3.19 1.01 -0.08 -0.12 -0.19 -0.25 0.09	0.82
06 16 43 Gypsum Sheathing (06 16)					
06 16 43 00-0001			Exterior Gypsum Sheathing (06 16 43) Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002	SF		1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)..... For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	3.55 0.43 0.22 -0.08 -0.12 -0.21 -0.27 3.26	1.09
06 16 43 00-0003	SF		5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)..... For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	3.84 0.47 0.23 -0.09 -0.14 -0.22 -0.30 3.51	1.37
06 17 Shop-Fabricated Structural Wood (06 10)					
06 17 13 Laminated Veneer Lumber (06 17)					
06 17 13 00-0001			Laminated Veneer Lumber (LVL) (06 17 13)		
06 17 13 00-0002	LF		1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL)	8.71	2.36
06 17 13 00-0003	LF		1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL)	9.49	2.40
06 17 13 00-0004	LF		1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL)	10.40	2.43
06 17 13 00-0005	LF		1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL)	11.56	2.47
06 17 13 00-0006	LF		1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL)	12.42	2.51
06 17 13 00-0007	LF		1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL)	13.64	2.60
06 17 13 00-0008	LF		1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL)	15.35	2.65
06 17 13 00-0009	LF		1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL)	20.83	3.00
06 17 23 Parallel Strand Lumber (06 17)					
06 17 23 00-0001			Laminated Strand Lumber (LSL) (06 17 23)		
06 17 23 00-0002	LF		2" x 4" Laminated Strand Lumber (LSL)	3.00	1.09
06 17 23 00-0003	LF		2" x 6" Laminated Strand Lumber (LSL)	3.98	1.16
06 17 33 Wood I-Joists (06 17)					
06 17 33 00-0001			Prefabricated Wood I-Joists (06 17 33)		
06 17 33 00-0002	LF		9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.23	1.43
			For I-Joists 30' To 40' In Length, Add	0.63	
			For I-Joists >40' In Length, Add	1.55	
06 17 33 00-0003	LF		11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.64	1.59
			For I-Joists 30' To 40' In Length, Add	0.70	
			For I-Joists >40' In Length, Add	1.73	
06 17 33 00-0004	LF		14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	6.59	1.80
			For I-Joists 30' To 40' In Length, Add	0.79	
			For I-Joists >40' In Length, Add	1.94	
06 17 33 00-0005	LF		16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	7.41	2.00
			For I-Joists 30' To 40' In Length, Add	0.88	
			For I-Joists >40' In Length, Add	2.15	
06 17 43 Rim Boards (06 17)					

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 17 43 00-0001	Oriented Strand Board (OSB) Rim Board (06 17 43)			
06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	7.23	2.43
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	7.86	2.47
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	8.59	2.51

06 17 53 Shop-Fabricated Wood Trusses (06 17)

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

06 17 53 00-0001		Pre-Assembled Wood Roof Trusses		(06 17 53)
Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.				
06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	211.15	83.90
		For Up To 15, Add	3.25	
		For >35, Deduct	-2.17	
		For 3 In 12 Slope, Add	1.30	
		For 5 In 12 Slope, Add	3.47	
		For 6 In 12 Slope, Add	6.50	
		For 7 In 12 Slope, Add	8.67	
		For 8 In 12 Slope, Add	10.40	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	234.39	91.88
		For Up To 15, Add	3.80	
		For >35, Deduct	-2.53	
		For 3 In 12 Slope, Add	1.52	
		For 5 In 12 Slope, Add	4.05	
		For 6 In 12 Slope, Add	7.59	
		For 7 In 12 Slope, Add	10.12	
		For 8 In 12 Slope, Add	12.15	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	260.67	99.87
		For Up To 15, Add	4.57	
		For >35, Deduct	-3.05	
		For 3 In 12 Slope, Add	1.83	
		For 5 In 12 Slope, Add	4.87	
		For 6 In 12 Slope, Add	9.14	
		For 7 In 12 Slope, Add	12.18	
		For 8 In 12 Slope, Add	14.62	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	294.90	107.87
		For Up To 15, Add	5.94	
		For >35, Deduct	-3.96	
		For 3 In 12 Slope, Add	2.38	
		For 5 In 12 Slope, Add	6.33	
		For 6 In 12 Slope, Add	11.88	
		For 7 In 12 Slope, Add	15.83	
		For 8 In 12 Slope, Add	19.00	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	324.55	115.86
		For Up To 15, Add	6.96	
		For >35, Deduct	-4.64	
		For 3 In 12 Slope, Add	2.79	
		For 5 In 12 Slope, Add	7.43	
		For 6 In 12 Slope, Add	13.93	
		For 7 In 12 Slope, Add	18.57	
		For 8 In 12 Slope, Add	22.28	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	342.37	127.84
		For Up To 15, Add	6.50	
		For >35, Deduct	-4.33	
		For 3 In 12 Slope, Add	2.60	
		For 5 In 12 Slope, Add	6.93	
		For 6 In 12 Slope, Add	13.00	
		For 7 In 12 Slope, Add	17.34	
		For 8 In 12 Slope, Add	20.80	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	360.88	203.75
		For Up To 15, Add	6.69	
		For >35, Deduct	-4.46	
		For 3 In 12 Slope, Add	2.68	
		For 5 In 12 Slope, Add	7.14	
		For 6 In 12 Slope, Add	13.38	
		For 7 In 12 Slope, Add	17.84	
		For 8 In 12 Slope, Add	21.41	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	384.43	143.82
		For Up To 15, Add	7.26	
		For >35, Deduct	-4.84	
		For 3 In 12 Slope, Add	2.90	
		For 5 In 12 Slope, Add	7.74	
		For 6 In 12 Slope, Add	14.52	
		For 7 In 12 Slope, Add	19.36	
		For 8 In 12 Slope, Add	23.23	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	408.78	227.72
		For Up To 15, Add	7.89	
		For >35, Deduct	-5.26	
		For 3 In 12 Slope, Add	3.15	
		For 5 In 12 Slope, Add	8.41	
		For 6 In 12 Slope, Add	15.77	
		For 7 In 12 Slope, Add	21.03	
		For 8 In 12 Slope, Add	25.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0011	EA		28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	434.25	159.80
			For Up To 15, Add	8.60	
			For >35, Deduct	-5.73	
			For 3 In 12 Slope, Add	3.44	
			For 5 In 12 Slope, Add	9.17	
			For 6 In 12 Slope, Add	17.20	
			For 7 In 12 Slope, Add	22.93	
			For 8 In 12 Slope, Add	27.51	
06 17 53 00-0012	EA		30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	453.86	251.69
			For Up To 15, Add	8.87	
			For >35, Deduct	-5.91	
			For 3 In 12 Slope, Add	3.55	
			For 5 In 12 Slope, Add	9.46	
			For 6 In 12 Slope, Add	17.74	
			For 7 In 12 Slope, Add	23.65	
			For 8 In 12 Slope, Add	28.38	
06 17 53 00-0013	EA		32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	473.67	171.79
			For Up To 15, Add	9.76	
			For >35, Deduct	-6.50	
			For 3 In 12 Slope, Add	3.90	
			For 5 In 12 Slope, Add	10.41	
			For 6 In 12 Slope, Add	19.51	
			For 7 In 12 Slope, Add	26.02	
			For 8 In 12 Slope, Add	31.22	
06 17 53 00-0014	EA		34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	515.54	269.75
			For Up To 15, Add	11.70	
			For >35, Deduct	-7.80	
			For 3 In 12 Slope, Add	4.68	
			For 5 In 12 Slope, Add	12.48	
			For 6 In 12 Slope, Add	23.40	
			For 7 In 12 Slope, Add	31.20	
			For 8 In 12 Slope, Add	37.44	
06 17 53 00-0015	EA		36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	535.82	183.77
			For Up To 15, Add	12.62	
			For >35, Deduct	-8.41	
			For 3 In 12 Slope, Add	5.05	
			For 5 In 12 Slope, Add	13.46	
			For 6 In 12 Slope, Add	25.24	
			For 7 In 12 Slope, Add	33.65	
			For 8 In 12 Slope, Add	40.38	
06 17 53 00-0016	EA		38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	563.28	287.65
			For Up To 15, Add	13.48	
			For >35, Deduct	-8.99	
			For 3 In 12 Slope, Add	5.39	
			For 5 In 12 Slope, Add	14.38	
			For 6 In 12 Slope, Add	26.96	
			For 7 In 12 Slope, Add	35.95	
			For 8 In 12 Slope, Add	43.14	
06 17 53 00-0017	EA		40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	583.12	199.75
			For Up To 15, Add	13.77	
			For >35, Deduct	-9.18	
			For 3 In 12 Slope, Add	5.51	
			For 5 In 12 Slope, Add	14.69	
			For 6 In 12 Slope, Add	27.54	
			For 7 In 12 Slope, Add	36.72	
			For 8 In 12 Slope, Add	44.07	
06 17 53 00-0018	EA		42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	637.91	311.62
			For Up To 15, Add	16.68	
			For >35, Deduct	-11.12	
			For 3 In 12 Slope, Add	6.67	
			For 5 In 12 Slope, Add	17.79	
			For 6 In 12 Slope, Add	33.36	
			For 7 In 12 Slope, Add	44.49	
			For 8 In 12 Slope, Add	53.38	
06 17 53 00-0019	EA		44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	691.67	215.73
			For Up To 15, Add	19.52	
			For >35, Deduct	-13.01	
			For 3 In 12 Slope, Add	7.81	
			For 5 In 12 Slope, Add	20.82	
			For 6 In 12 Slope, Add	39.03	
			For 7 In 12 Slope, Add	52.04	
			For 8 In 12 Slope, Add	62.45	
06 17 53 00-0020	EA		46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	716.02	223.73
			For Up To 15, Add	20.14	
			For >35, Deduct	-13.43	
			For 3 In 12 Slope, Add	8.06	
			For 5 In 12 Slope, Add	21.49	
			For 6 In 12 Slope, Add	40.29	
			For 7 In 12 Slope, Add	53.72	
			For 8 In 12 Slope, Add	64.46	
06 17 53 00-0021	EA		48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	750.53	231.71
			For Up To 15, Add	21.53	
			For >35, Deduct	-14.36	
			For 3 In 12 Slope, Add	8.61	
			For 5 In 12 Slope, Add	22.97	
			For 6 In 12 Slope, Add	43.07	
			For 7 In 12 Slope, Add	57.42	
			For 8 In 12 Slope, Add	68.90	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 17 53 00-0022	EA 50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	846.90		239.70
	For Up To 15, Add	27.56		
	For >35, Deduct	-18.38		
	For 3 In 12 Slope, Add	11.03		
	For 5 In 12 Slope, Add	29.40		
	For 6 In 12 Slope, Add	55.13		
	For 7 In 12 Slope, Add	73.50		
	For 8 In 12 Slope, Add	88.20		
06 17 53 00-0023	EA 52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	808.10		215.57
	For Up To 15, Add	24.65		
	For >35, Deduct	-16.44		
	For 3 In 12 Slope, Add	9.86		
	For 5 In 12 Slope, Add	26.30		
	For 6 In 12 Slope, Add	49.31		
	For 7 In 12 Slope, Add	65.74		
	For 8 In 12 Slope, Add	78.89		
06 17 53 00-0024	EA 54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	847.95		251.69
	For Up To 15, Add	25.84		
	For >35, Deduct	-17.23		
	For 3 In 12 Slope, Add	10.34		
	For 5 In 12 Slope, Add	27.57		
	For 6 In 12 Slope, Add	51.69		
	For 7 In 12 Slope, Add	68.91		
	For 8 In 12 Slope, Add	82.70		
06 17 53 00-0025	EA 56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	880.87		233.31
	For Up To 15, Add	27.11		
	For >35, Deduct	-18.08		
	For 3 In 12 Slope, Add	10.85		
	For 5 In 12 Slope, Add	28.92		
	For 6 In 12 Slope, Add	54.23		
	For 7 In 12 Slope, Add	72.30		
	For 8 In 12 Slope, Add	86.76		
06 17 53 00-0026	EA 58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	908.93		263.67
	For Up To 15, Add	28.62		
	For >35, Deduct	-19.08		
	For 3 In 12 Slope, Add	11.45		
	For 5 In 12 Slope, Add	30.53		
	For 6 In 12 Slope, Add	57.24		
	For 7 In 12 Slope, Add	76.32		
	For 8 In 12 Slope, Add	91.58		
06 17 53 00-0027	EA 60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	927.26		267.67
	For Up To 15, Add	29.39		
	For >35, Deduct	-19.60		
	For 3 In 12 Slope, Add	11.76		
	For 5 In 12 Slope, Add	31.35		
	For 6 In 12 Slope, Add	58.79		
	For 7 In 12 Slope, Add	78.38		
	For 8 In 12 Slope, Add	94.06		
06 17 53 00-0028	Pre-Assembled Wood Gable End Roof Trusses (06 17 53)			
	Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.			
06 17 53 00-0029	EA 10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	216.66		83.90
	For 3 In 12 Slope, Add	1.47		
	For 5 In 12 Slope, Add	3.91		
	For 6 In 12 Slope, Add	7.33		
	For 7 In 12 Slope, Add	9.77		
	For 8 In 12 Slope, Add	11.73		
	For 16" On Center Gable Studs, Add	9.77		
06 17 53 00-0030	EA 12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	240.84		91.88
	For 3 In 12 Slope, Add	1.71		
	For 5 In 12 Slope, Add	4.57		
	For 6 In 12 Slope, Add	8.56		
	For 7 In 12 Slope, Add	11.41		
	For 8 In 12 Slope, Add	13.70		
	For 16" On Center Gable Studs, Add	11.41		
06 17 53 00-0031	EA 14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	268.42		99.87
	For 3 In 12 Slope, Add	2.06		
	For 5 In 12 Slope, Add	5.49		
	For 6 In 12 Slope, Add	10.30		
	For 7 In 12 Slope, Add	13.73		
	For 8 In 12 Slope, Add	16.48		
	For 16" On Center Gable Studs, Add	13.73		
06 17 53 00-0032	EA 16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	304.96		107.87
	For 3 In 12 Slope, Add	2.68		
	For 5 In 12 Slope, Add	7.14		
	For 6 In 12 Slope, Add	13.38		
	For 7 In 12 Slope, Add	17.85		
	For 8 In 12 Slope, Add	21.42		
	For 16" On Center Gable Studs, Add	17.85		
06 17 53 00-0033	EA 18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	336.35		115.86
	For 3 In 12 Slope, Add	3.14		
	For 5 In 12 Slope, Add	8.37		
	For 6 In 12 Slope, Add	15.70		
	For 7 In 12 Slope, Add	20.93		
	For 8 In 12 Slope, Add	25.11		
	For 16" On Center Gable Studs, Add	20.93		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0034	EA	20'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	365.80	127.84
			For 3 In 12 Slope, Add	3.30	
			For 5 In 12 Slope, Add	8.81	
			For 6 In 12 Slope, Add	16.52	
			For 7 In 12 Slope, Add	22.02	
			For 8 In 12 Slope, Add	26.43	
			For 16" On Center Gable Studs, Add	22.02	
06 17 53 00-0035	EA	22'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	384.97	135.84
			For 3 In 12 Slope, Add	3.40	
			For 5 In 12 Slope, Add	9.06	
			For 6 In 12 Slope, Add	17.00	
			For 7 In 12 Slope, Add	22.66	
			For 8 In 12 Slope, Add	27.19	
			For 16" On Center Gable Studs, Add	22.66	
06 17 53 00-0036	EA	24'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	410.57	143.82
			For 3 In 12 Slope, Add	3.69	
			For 5 In 12 Slope, Add	9.83	
			For 6 In 12 Slope, Add	18.44	
			For 7 In 12 Slope, Add	24.58	
			For 8 In 12 Slope, Add	29.50	
			For 16" On Center Gable Studs, Add	24.58	
06 17 53 00-0037	EA	26'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	437.18	151.81
			For 3 In 12 Slope, Add	4.01	
			For 5 In 12 Slope, Add	10.68	
			For 6 In 12 Slope, Add	20.03	
			For 7 In 12 Slope, Add	26.71	
			For 8 In 12 Slope, Add	32.05	
			For 16" On Center Gable Studs, Add	26.71	
06 17 53 00-0038	EA	28'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	465.22	159.80
			For 3 In 12 Slope, Add	4.37	
			For 5 In 12 Slope, Add	11.65	
			For 6 In 12 Slope, Add	21.84	
			For 7 In 12 Slope, Add	29.12	
			For 8 In 12 Slope, Add	34.95	
			For 16" On Center Gable Studs, Add	29.12	
06 17 53 00-0039	EA	30'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	487.09	167.80
			For 3 In 12 Slope, Add	4.55	
			For 5 In 12 Slope, Add	12.12	
			For 6 In 12 Slope, Add	22.73	
			For 7 In 12 Slope, Add	30.30	
			For 8 In 12 Slope, Add	36.36	
			For 16" On Center Gable Studs, Add	30.30	
06 17 53 00-0040	EA	32'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	510.24	171.79
			For 3 In 12 Slope, Add	5.00	
			For 5 In 12 Slope, Add	13.33	
			For 6 In 12 Slope, Add	25.00	
			For 7 In 12 Slope, Add	33.33	
			For 8 In 12 Slope, Add	40.00	
			For 16" On Center Gable Studs, Add	33.33	
06 17 53 00-0041	EA	34'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	559.36	179.78
			For 3 In 12 Slope, Add	5.99	
			For 5 In 12 Slope, Add	15.98	
			For 6 In 12 Slope, Add	29.97	
			For 7 In 12 Slope, Add	39.96	
			For 8 In 12 Slope, Add	47.95	
			For 16" On Center Gable Studs, Add	39.96	
06 17 53 00-0042	EA	36'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	583.11	183.77
			For 3 In 12 Slope, Add	6.47	
			For 5 In 12 Slope, Add	17.24	
			For 6 In 12 Slope, Add	32.33	
			For 7 In 12 Slope, Add	43.11	
			For 8 In 12 Slope, Add	51.73	
			For 16" On Center Gable Studs, Add	43.11	
06 17 53 00-0043	EA	38'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	613.79	191.77
			For 3 In 12 Slope, Add	6.91	
			For 5 In 12 Slope, Add	18.42	
			For 6 In 12 Slope, Add	34.54	
			For 7 In 12 Slope, Add	46.05	
			For 8 In 12 Slope, Add	55.26	
			For 16" On Center Gable Studs, Add	46.05	
06 17 53 00-0044	EA	40'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	649.53	199.75
			For 3 In 12 Slope, Add	7.50	
			For 5 In 12 Slope, Add	20.00	
			For 6 In 12 Slope, Add	37.50	
			For 7 In 12 Slope, Add	50.00	
			For 8 In 12 Slope, Add	60.00	
			For 16" On Center Gable Studs, Add	50.00	
06 17 53 00-0045	EA	42'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	718.37	207.74
			For 3 In 12 Slope, Add	9.09	
			For 5 In 12 Slope, Add	24.23	
			For 6 In 12 Slope, Add	45.43	
			For 7 In 12 Slope, Add	60.58	
			For 8 In 12 Slope, Add	72.69	
			For 16" On Center Gable Studs, Add	60.58	
06 17 53 00-0046	EA	44'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	785.79	215.73
			For 3 In 12 Slope, Add	10.63	
			For 5 In 12 Slope, Add	28.35	
			For 6 In 12 Slope, Add	53.15	
			For 7 In 12 Slope, Add	70.86	
			For 8 In 12 Slope, Add	85.04	
			For 16" On Center Gable Studs, Add	70.86	

06 Wood, Plastics, and Composites**06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	813.17	223.73
		For 3 In 12 Slope, Add	10.97	
		For 5 In 12 Slope, Add	29.26	
		For 6 In 12 Slope, Add	54.86	
		For 7 In 12 Slope, Add	73.15	
		For 8 In 12 Slope, Add	87.78	
		For 16" On Center Gable Studs, Add	73.15	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	854.37	231.71
		For 3 In 12 Slope, Add	11.73	
		For 5 In 12 Slope, Add	31.28	
		For 6 In 12 Slope, Add	58.64	
		For 7 In 12 Slope, Add	78.19	
		For 8 In 12 Slope, Add	93.83	
		For 16" On Center Gable Studs, Add	78.19	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	927.99	239.70
		For 3 In 12 Slope, Add	13.46	
		For 5 In 12 Slope, Add	35.89	
		For 6 In 12 Slope, Add	67.29	
		For 7 In 12 Slope, Add	89.72	
		For 8 In 12 Slope, Add	107.66	
		For 16" On Center Gable Studs, Add	89.72	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	949.96	247.70
		For 3 In 12 Slope, Add	13.64	
		For 5 In 12 Slope, Add	36.37	
		For 6 In 12 Slope, Add	68.19	
		For 7 In 12 Slope, Add	90.91	
		For 8 In 12 Slope, Add	109.10	
		For 16" On Center Gable Studs, Add	90.91	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	979.92	251.69
		For 3 In 12 Slope, Add	14.30	
		For 5 In 12 Slope, Add	38.12	
		For 6 In 12 Slope, Add	71.48	
		For 7 In 12 Slope, Add	95.31	
		For 8 In 12 Slope, Add	114.37	
		For 16" On Center Gable Studs, Add	95.31	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,019.31	259.68
		For 3 In 12 Slope, Add	15.00	
		For 5 In 12 Slope, Add	40.00	
		For 6 In 12 Slope, Add	74.99	
		For 7 In 12 Slope, Add	99.99	
		For 8 In 12 Slope, Add	119.99	
		For 16" On Center Gable Studs, Add	99.99	
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,055.05	263.67
		For 3 In 12 Slope, Add	15.83	
		For 5 In 12 Slope, Add	42.22	
		For 6 In 12 Slope, Add	79.16	
		For 7 In 12 Slope, Add	105.54	
		For 8 In 12 Slope, Add	126.65	
		For 16" On Center Gable Studs, Add	105.54	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,077.35	267.67
		For 3 In 12 Slope, Add	16.26	
		For 5 In 12 Slope, Add	43.36	
		For 6 In 12 Slope, Add	81.30	
		For 7 In 12 Slope, Add	108.40	
		For 8 In 12 Slope, Add	130.08	
		For 16" On Center Gable Studs, Add	108.40	

06 18 Glued-Laminated Construction (06 10)**06 18 13 Glued-Laminated Beams** (06 18)**06 18 13 00-0001 Glue Laminated Straight Beams** (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	10.94	3.58
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	13.66	4.47
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	16.40	5.37
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	17.31	5.67
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	19.13	6.27
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	21.86	7.17
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	24.59	8.06
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	25.50	8.36
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	27.34	8.95
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	29.15	9.56
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	30.07	9.86
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	32.79	10.76
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	35.52	11.65
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	38.24	12.55
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	41.00	13.45
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	17.17	5.63
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	21.47	7.04
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	25.77	8.45
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	27.19	8.92
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	30.07	9.86
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	34.36	11.27
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	38.64	12.68
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	40.08	13.14
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	42.94	14.08
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	45.80	15.02

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	47.24	15.49	
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	51.54	16.90	
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	55.83	18.31	
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	60.11	19.72	
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	64.41	21.13	
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	68.71	22.53	
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	31.62	10.37	
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	33.37	10.94	
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	36.89	12.10	
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	42.16	13.82	
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	47.44	15.55	
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	49.18	16.13	
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	52.69	17.29	
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	56.22	18.43	
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	57.98	19.01	
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	63.24	20.74	
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	68.51	22.47	
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	73.78	24.19	
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	79.04	25.92	
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	84.32	27.66	
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	41.00	13.45	
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	43.26	14.18	
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	47.81	15.68	
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	54.64	17.92	
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	61.49	20.16	
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	63.76	20.91	
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	68.31	22.40	
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	72.85	23.90	
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	75.15	24.64	
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	81.98	26.87	
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	88.80	29.11	
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	95.64	31.37	
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	102.47	33.60	
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	109.30	35.84	
06 18 13 00-0061		Glue Laminated Decking (06 18 13)			
06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	5.69	2.34	
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	5.88	2.34	
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	6.04	2.20	
06 18 16		Glued-Laminated Columns (06 18)			
06 18 16 00-0001		Glue Laminated Structural Units (06 18 16)			
		Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.			
06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	16.47	4.77	
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	18.55	5.30	
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	35.09	11.33	
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	38.45	11.88	
06 20		Finish Carpentry (06)			
06 22		Millwork (06 20)			
06 22 13		Standard Pattern Wood Trim (06 22)			
06 22 13 00-0001		Pine Moldings (All Dimensions Are Nominal) (06 22 13)			
06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	3.67	1.36	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.51		
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	3.84	1.09	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.51		
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	4.81	1.09	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.51		
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	5.37	1.09	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.51		
06 22 13 00-0006		Ceilings (All Dimensions Are Nominal) (06 22 13)			
06 22 13 00-0007		White Pine (06 22 13 00-0006)			
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	16.87	4.75	
		For Birch, Add	3.63		
		For Mahogany, Oak, Maple Or Walnut, Add	5.22		
		For Poplar, Add	2.02		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.56		
		For Stain Grade Material (No Finger Joints), Add	1.31		
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	22.53	5.69	
		For Birch, Add	5.18		
		For Mahogany, Oak, Maple Or Walnut, Add	7.29		
		For Poplar, Add	2.88		
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.87		
		For Stain Grade Material (No Finger Joints), Add	1.87		

06 Wood, Plastics, and Composites**06 20 Finish Carpentry****06 22 Millwork**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 22 13 00-0010	LF 3/4" x 3/4" White Pine Crown Or Bed Molding	8.43		3.26
	For Birch, Add	1.08		
	For Mahogany, Oak, Maple Or Walnut, Add	1.89		
	For Poplar, Add	0.60		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.25		
	For Stain Grade Material (No Finger Joints), Add	0.39		
06 22 13 00-0011	LF 9/16" x 1-5/8" White Pine Crown Or Bed Molding	9.53		3.26
	For Birch, Add	1.48		
	For Mahogany, Oak, Maple Or Walnut, Add	2.39		
	For Poplar, Add	0.82		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.25		
	For Stain Grade Material (No Finger Joints), Add	0.53		
06 22 13 00-0012	LF 9/16" x 2-1/4" White Pine Crown Or Bed Molding	12.46		4.07
	For Birch, Add	2.04		
	For Mahogany, Oak, Maple Or Walnut, Add	3.23		
	For Poplar, Add	1.14		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.56		
	For Stain Grade Material (No Finger Joints), Add	0.74		
06 22 13 00-0013	LF 3/4" x 3-1/2" White Pine Crown Or Bed Molding	14.26		4.07
	For Birch, Add	2.69		
	For Mahogany, Oak, Maple Or Walnut, Add	4.04		
	For Poplar, Add	1.50		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.56		
	For Stain Grade Material (No Finger Joints), Add	0.97		
06 22 13 00-0014	LF 5/8" x 4-1/4" White Pine Crown Or Bed Molding	17.69		4.89
	For Birch, Add	3.44		
	For Mahogany, Oak, Maple Or Walnut, Add	5.12		
	For Poplar, Add	1.91		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.87		
	For Stain Grade Material (No Finger Joints), Add	1.24		
06 22 13 00-0015	LF 1" x 2" White Pine Dentil Molding	8.72		3.80
	For Birch, Add	1.18		
	For Mahogany, Oak, Maple Or Walnut, Add	2.02		
	For Poplar, Add	0.66		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.25		
	For Stain Grade Material (No Finger Joints), Add	0.43		
06 22 13 00-0016	LF 9/16" x 1-3/4" White Pine Cove Molding	7.30		2.85
	For Birch, Add	1.16		
	For Mahogany, Oak, Maple Or Walnut, Add	1.86		
	For Poplar, Add	0.65		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.94		
	For Stain Grade Material (No Finger Joints), Add	0.42		
06 22 13 00-0017	LF 11/16" x 2-3/4" White Pine Cove Molding	10.76		2.85
	For Birch, Add	2.41		
	For Mahogany, Oak, Maple Or Walnut, Add	3.42		
	For Poplar, Add	1.34		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.94		
	For Stain Grade Material (No Finger Joints), Add	0.87		
06 22 13 00-0018	LF 3/8" x 3/8" White Pine Cove Molding	4.36		1.63
	For Birch, Add	0.55		
	For Mahogany, Oak, Maple Or Walnut, Add	0.97		
	For Poplar, Add	0.31		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.65		
	For Stain Grade Material (No Finger Joints), Add	0.20		
06 22 13 00-0019	LF 1/2" x 1/2" White Pine Cove Molding	4.74		1.63
	For Birch, Add	0.69		
	For Mahogany, Oak, Maple Or Walnut, Add	1.14		
	For Poplar, Add	0.38		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.65		
	For Stain Grade Material (No Finger Joints), Add	0.25		
06 22 13 00-0020	LF 5/8" x 5/8" White Pine Cove Molding	6.28		2.03
	For Birch, Add	1.04		
	For Mahogany, Oak, Maple Or Walnut, Add	1.64		
	For Poplar, Add	0.58		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.78		
	For Stain Grade Material (No Finger Joints), Add	0.38		
06 22 13 00-0021	LF 3/4" x 3/4" White Pine Cove Molding	6.28		2.03
	For Birch, Add	1.04		
	For Mahogany, Oak, Maple Or Walnut, Add	1.64		
	For Poplar, Add	0.58		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.78		
	For Stain Grade Material (No Finger Joints), Add	0.38		
06 22 13 00-0022	LF 15/16" x 15/16" White Pine Cove Molding	8.03		2.03
	For Birch, Add	1.67		
	For Mahogany, Oak, Maple Or Walnut, Add	2.43		
	For Poplar, Add	0.93		
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.78		
	For Stain Grade Material (No Finger Joints), Add	0.60		
06 22 13 00-0023	LF 7-1/2" Wide White Pine Mullion Covers	50.42		2.44
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.12		
06 22 13 00-0024	LF Three Piece White Pine Mullion Trim, 2 Cove Moldings	63.69		2.44
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.12		
06 22 13 00-0025	Cedar Trim (06 22 13 00-0006)			
06 22 13 00-0026	LF 2" x 4" Cedar Ceiling Trim	14.76		6.82
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.26		
06 22 13 00-0027	Oak Trim (06 22 13 00-0006)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

06 22 13 00-0028	LF		1" x 8" Clear Oak Ceiling Trim	15.23	6.28
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	2.10	

06 22 13 00-0029 Closet Poles (06 22 13)

06 22 13 00-0030	LF		1-1/8" Diameter Pine Closet Poles	12.81	3.53
06 22 13 00-0031	LF		1-5/8" Diameter Pine Closet Poles	15.40	3.53
06 22 13 00-0032	LF		2" Diameter Pine Closet Poles.....	20.73	3.93

06 25 Prefinished Paneling (06 20)
06 25 16 Prefinished Plywood Paneling (06 25)
06 25 16 00-0001 Hardboard Panels (06 25 16)

Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels (06 25 16 00-0001)

06 25 16 00-0003	SF		1/4" Tempered Hardboard Panels	8.10	2.45
			For Waterproof Glue, Add	0.18	
			For Ceiling Installation, Add	1.67	
			For Glue Laminated Installation, Add	0.41	
			For 1/8" Thick Paneling, Deduct	-0.81	
			For 1/2" Thick Paneling, Add	2.03	
			For 5/8" Thick Paneling, Add	2.56	
			For 3/4" Thick Paneling, Add	3.24	
			For Fire Retardant Treatment (Class I), Add	1.99	
06 25 16 00-0004	SF		1/4" Plastic Faced Tempered Hardboard Panels	8.86	3.00
			For Waterproof Glue, Add	0.16	
			For Ceiling Installation, Add	1.97	
			For Glue Laminated Installation, Add	0.44	
			For 1/8" Thick Paneling, Deduct	-0.84	
			For 1/2" Thick Paneling, Add	2.03	
			For 5/8" Thick Paneling, Add	2.52	
			For 3/4" Thick Paneling, Add	3.14	
			For Fire Retardant Treatment (Class I), Add	1.82	
06 25 16 00-0005	SF		1/4" Pegboard Tempered Hardboard Panels	9.82	2.45
			For Waterproof Glue, Add	0.30	
			For Ceiling Installation, Add	1.67	
			For Glue Laminated Installation, Add	0.49	
			For 1/8" Thick Paneling, Deduct	-1.10	
			For 1/2" Thick Paneling, Add	2.96	
			For 5/8" Thick Paneling, Add	3.85	
			For 3/4" Thick Paneling, Add	4.99	
			For Fire Retardant Treatment (Class I), Add	3.35	
06 25 16 00-0006	SF		1/4" Plastic Faced Pegboard Tempered Hardboard	9.38	3.00
			For Waterproof Glue, Add	0.20	
			For Ceiling Installation, Add	1.97	
			For Glue Laminated Installation, Add	0.47	
			For 1/8" Thick Paneling, Deduct	-0.93	
			For 1/2" Thick Paneling, Add	2.31	
			For 5/8" Thick Paneling, Add	2.91	
			For 3/4" Thick Paneling, Add	3.67	
			For Fire Retardant Treatment (Class I), Add	2.24	

06 25 16 00-0007 Untempered Hardboard Panels (06 25 16 00-0001)

06 25 16 00-0008	SF		1/4" Untempered Hardboard Panels	7.56	2.45
			For Waterproof Glue, Add	0.14	
			For Glue Laminated Installation, Add	0.38	
			For Lumber Core, Add	0.22	
			For Fire Retardant Treatment (Class I), Add	1.56	

06 40 Architectural Woodwork (06)
06 41 Architectural Wood Casework (06 40)
06 41 13 Wood-Veneer-Faced Architectural Cabinets (06 41)

Note: NNote: Cabinets Include Hinges, Mounting Hardware And Door Pulls. Refer To WIC For Grade Listing. Basic Is Custom.

06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters (06 41 13)

Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF		Removal And Reinstallation Of Wood Base Cabinets	103.78	
06 41 13 00-0003	LF		Removal And Reinstallation Of Wall Cabinets	90.24	
06 41 13 00-0004	LF		Removal And Reinstallation Of Plastic Laminated Countertops	21.34	

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets (06 41 13)

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0005)
06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0006)

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	396.26	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	421.16	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	440.13	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	462.67	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0012	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	524.60	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0013	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	547.91	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	591.78	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0015	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	622.88	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0016	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	642.20	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	731.37	108.52
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	225.58	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0018	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	805.89	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	225.58	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0019	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	893.59	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	225.58	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0020	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	845.08	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0021	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	942.34	81.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0022	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	402.00	27.13
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0023	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	411.60	33.91
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0024	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	448.73	40.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0025	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	477.01	47.48
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0026	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	496.88	54.26
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0027	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	521.15	61.05
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0028	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	843.17	67.82
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
		For All Plywood Box Construction, Add	117.57	
06 41 13 00-0029	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	888.61	74.60
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
		For All Plywood Box Construction, Add	117.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0030	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	933.74	81.39
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add.....	338.37	
			For All Plywood Box Construction, Add.....	117.57	
06 41 13 00-0031	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	489.94	27.13
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add.....	451.17	
			For All Plywood Box Construction, Add.....	117.57	
06 41 13 00-0032	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	500.49	33.91
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add.....	451.17	
			For All Plywood Box Construction, Add.....	117.57	
06 41 13 00-0033	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	542.40	40.69
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add.....	451.17	
			For All Plywood Box Construction, Add.....	117.57	
06 41 13 00-0034	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	576.42	47.48
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add.....	451.17	
			For All Plywood Box Construction, Add.....	117.57	
06 41 13 00-0035	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	605.85	54.26
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add.....	451.17	
			For All Plywood Box Construction, Add.....	117.57	
06 41 13 00-0036	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	635.85	61.05
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add.....	451.17	
			For All Plywood Box Construction, Add.....	117.57	
06 41 13 00-0037	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	883.31	67.82
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add.....	451.17	
			For All Plywood Box Construction, Add.....	117.57	
06 41 13 00-0038	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	933.54	74.60
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add.....	451.17	
			For All Plywood Box Construction, Add.....	117.57	
06 41 13 00-0039	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	985.36	81.39
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add.....	451.17	
			For All Plywood Box Construction, Add.....	117.57	
06 41 13 00-0040 Wall Cabinet, 12" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0041	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	357.07	67.82
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0042	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	380.13	74.60
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0043	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	418.70	81.39
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0044	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	445.46	88.17
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0045 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0046	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	303.42	27.13
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0047	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	310.90	33.91
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0048	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	326.04	40.69
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0049	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	334.49	47.48
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0050	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	343.90	54.26
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0051	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	359.98	67.82
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0052	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	384.69	74.60
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0053	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	418.70	81.39
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0054	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	445.46	88.17
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0055 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0056	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	314.89	27.13
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0057	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	330.97	33.91
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0058	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	343.25	40.69
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0059	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	356.47	47.48
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0060	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	374.49	54.26
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0061	EA		27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	394.95	61.07
			For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0062	EA		30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	413.51	67.82
			For All Plywood Box Construction, Add.....	63.09	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
06 41 13 00-0063	EA 33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	428.66 63.09		74.60	
06 41 13 00-0064	EA 36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	437.82 63.09		81.39	
06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0066	EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	345.27 63.09		27.13	
06 41 13 00-0067	EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	374.80 63.09		33.91	
06 41 13 00-0068	EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	399.21 63.09		40.69	
06 41 13 00-0069	EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	428.44 63.09		47.48	
06 41 13 00-0070	EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	456.76 63.09		54.26	
06 41 13 00-0071	EA 27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	499.21 63.09		61.07	
06 41 13 00-0072	EA 30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	511.08 63.09		67.82	
06 41 13 00-0073	EA 33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	556.06 63.09		74.60	
06 41 13 00-0074	EA 36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	572.35 63.09		81.39	
06 41 13 00-0075 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0076	EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	386.37 63.09		27.13	
06 41 13 00-0077	EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	417.81 63.09		33.91	
06 41 13 00-0078	EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	445.09 63.09		40.69	
06 41 13 00-0079	EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	476.23 63.09		47.48	
06 41 13 00-0080	EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	555.22 63.09		54.26	
06 41 13 00-0081	EA 27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	558.47 63.09		61.07	
06 41 13 00-0082	EA 30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	577.99 63.09		67.82	
06 41 13 00-0083	EA 33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	630.62 63.09		74.60	
06 41 13 00-0084	EA 36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	646.91 63.09		81.39	
06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0006)					
06 41 13 00-0086	EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	429.39 63.09		27.13	
06 41 13 00-0087	EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	467.51 63.09		33.91	
06 41 13 00-0088	EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	496.71 63.09		40.69	
06 41 13 00-0089	EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	526.89 63.09		47.48	
06 41 13 00-0090	EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	572.42 63.09		54.26	
06 41 13 00-0091	EA 27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	610.09 63.09		61.07	
06 41 13 00-0092	EA 30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	641.08 63.09		67.82	
06 41 13 00-0093	EA 33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	700.39 63.09		74.60	
06 41 13 00-0094	EA 36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	721.47 63.09		81.39	
06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0006)					
06 41 13 00-0096	EA 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	409.21 63.09		67.82	
06 41 13 00-0097	EA 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	438.40 63.09		74.60	
06 41 13 00-0098	EA 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	470.15 63.09		81.39	
06 41 13 00-0099	EA 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet For All Plywood Box Construction, Add	507.20 63.09		88.17	
06 41 13 00-0100	EA 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet..... For All Plywood Box Construction, Add	595.98 63.09		108.52	
06 41 13 00-0101 Utility Cabinets, 84" High (06 41 13 00-0006)					
06 41 13 00-0102	EA 15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... For All Plywood Box Construction, Add	786.73 233.23		60.29	
06 41 13 00-0103	EA 18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet..... For All Plywood Box Construction, Add	887.96 233.23		72.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0104	EA		21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	995.90 233.23	566.71
06 41 13 00-0105	EA		24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,047.46 233.23	96.46
06 41 13 00-0106	EA		30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,260.53 233.23	120.57
06 41 13 00-0107	EA		36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,448.76 233.23	144.69
06 41 13 00-0108	EA		15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	884.23 233.23	60.29
06 41 13 00-0109	EA		18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	976.86 233.23	72.35
06 41 13 00-0110	EA		21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,112.52 233.23	84.41
06 41 13 00-0111	EA		24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,182.23 233.23	96.46
06 41 13 00-0112	EA		30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,458.40 233.23	120.57
06 41 13 00-0113	EA		36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet <i>For All Plywood Box Construction, Add</i>	1,662.87 233.23	144.69
06 41 13 00-0114			Solid Oak Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0005)		
06 41 13 00-0115			Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0114)		
06 41 13 00-0116	EA		12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	358.98 112.79 117.57	27.13
06 41 13 00-0117	EA		15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	381.01 112.79 117.57	33.91
06 41 13 00-0118	EA		18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	398.07 112.79 117.57	40.69
06 41 13 00-0119	EA		21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	418.70 112.79 117.57	47.48
06 41 13 00-0120	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	472.98 112.79 117.57	54.26
06 41 13 00-0121	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	494.39 112.79 117.57	61.05
06 41 13 00-0122	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	532.51 112.79 117.57	67.82
06 41 13 00-0123	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	560.75 112.79 117.57	74.60
06 41 13 00-0124	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	578.16 112.79 117.57	81.39
06 41 13 00-0125	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	657.77 225.58 117.57	108.52
06 41 13 00-0126	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	721.77 225.58 117.57	67.82
06 41 13 00-0127	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	798.96 225.58 117.57	81.39
06 41 13 00-0128	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	756.18 338.37 117.57	67.82
06 41 13 00-0129	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	841.98 338.37 117.57	81.39
06 41 13 00-0130	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	364.72 338.37 117.57	27.13
06 41 13 00-0131	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	373.36 338.37 117.57	33.91
06 41 13 00-0132	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	405.72 338.37 117.57	40.69

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	431.13	47.48
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	449.09	54.26
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	470.49	61.05
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	754.27	67.82
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	793.98	74.60
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	834.33	81.39
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	441.19	27.13
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	451.75	33.91
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	488.88	40.69
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	519.07	47.48
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	544.67	54.26
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	571.81	61.05
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	789.64	67.82
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	834.13	74.60
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	880.21	81.39
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	

06 41 13 00-0148 Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0114)

06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	324.57	67.82
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	344.76	74.60
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	379.51	81.39
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	403.41	88.17
		<i>For All Plywood Box Construction, Add</i>	63.09	

06 41 13 00-0153 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0114)

06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	276.65	27.13
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	283.18	33.91
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	296.41	40.69
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	304.86	47.48
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0158	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	313.31	54.26
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0159	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	327.48	67.82
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0160	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	349.32	74.60
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0161	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	379.51	81.39
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0162	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	403.41	88.17
		<i>For All Plywood Box Construction, Add</i>	63.09	

06 41 13 00-0163 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0114)

06 41 13 00-0164	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	286.21	27.13
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0165	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	300.38	33.91
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0166	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	311.71	40.69
		<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0167	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	323.97	47.48
		<i>For All Plywood Box Construction, Add</i>	63.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0168	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	340.08	54.26
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0169	EA		27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	358.62	61.07
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0170	EA		30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	374.32	67.82
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0171	EA		33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	388.51	74.60
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0172	EA		36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	396.72	81.39
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0173 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0114)					
06 41 13 00-0174	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	315.64	27.13
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0175	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	342.30	33.91
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0176	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	363.84	40.69
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0177	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	389.25	47.48
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0178	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	414.71	54.26
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0179	EA		27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	452.37	61.07
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0180	EA		30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	463.29	67.82
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0181	EA		33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	502.53	74.60
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0182	EA		36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	517.87	81.39
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0183 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0114)					
06 41 13 00-0184	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	351.96	27.13
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0185	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	379.58	33.91
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0186	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	403.99	40.69
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0187	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	431.31	47.48
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0188	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	501.69	54.26
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0189	EA		27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	503.99	61.07
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0190	EA		30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	521.60	67.82
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0191	EA		33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	568.49	74.60
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0192	EA		36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	582.87	81.39
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0193 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0114)					
06 41 13 00-0194	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	389.24	27.13
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0195	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	423.54	33.91
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0196	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	449.87	40.69
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0197	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	476.23	47.48
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0198	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	516.98	54.26
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0199	EA		27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	549.87	61.07
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0200	EA		30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	577.04	67.82
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0201	EA		33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	629.66	74.60
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0202	EA		36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	648.82	81.39
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0203 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0114)					
06 41 13 00-0204	EA		30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	371.93	67.82
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0205	EA		33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	398.25	74.60
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0206	EA		36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	426.18	81.39
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0207	EA		39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	459.40	88.17
			<i>For All Plywood Box Construction, Add</i>	63.09	
06 41 13 00-0208	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet.....	537.67	108.52
			<i>For All Plywood Box Construction, Add</i>	63.09	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 41 13 00-0209 Utility Cabinets, 84" High (06 41 13 00-0114)			
06 41 13 00-0210	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	717.91
		For All Plywood Box Construction, Add	233.23
06 41 13 00-0211	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	809.58
		For All Plywood Box Construction, Add	233.23
06 41 13 00-0212	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	907.01
		For All Plywood Box Construction, Add	233.23
06 41 13 00-0213	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	954.74
		For All Plywood Box Construction, Add	233.23
06 41 13 00-0214	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,143.92
		For All Plywood Box Construction, Add	233.23
06 41 13 00-0215	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,312.07
		For All Plywood Box Construction, Add	233.23
06 41 13 00-0216	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	803.94
		For All Plywood Box Construction, Add	233.23
06 41 13 00-0217	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	887.96
		For All Plywood Box Construction, Add	233.23
06 41 13 00-0218	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,009.29
		For All Plywood Box Construction, Add	233.23
06 41 13 00-0219	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,073.27
		For All Plywood Box Construction, Add	233.23
06 41 13 00-0220	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,317.89
		For All Plywood Box Construction, Add	233.23
06 41 13 00-0221	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,500.37
		For All Plywood Box Construction, Add	233.23
06 41 13 00-0222 Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets (06 41 13 00-0005)			
06 41 13 00-0223 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0222)			
06 41 13 00-0224	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet.....	358.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0225	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet.....	381.01
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0226	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet.....	398.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0227	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet.....	418.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0228	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet.....	472.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet.....	494.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet.....	532.51
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0231	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet.....	560.75
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0232	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet.....	578.16
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	112.79
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0233	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet.....	657.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	225.58
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0234	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	721.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	225.58
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0235	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	798.96
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	225.58
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0236	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	756.18
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37
		For All Plywood Box Construction, Add	117.57
06 41 13 00-0237	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	841.98
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37
		For All Plywood Box Construction, Add	117.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0238	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	364.72	27.13
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0239	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	373.36	33.91
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0240	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	405.72	40.69
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0241	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	431.13	47.48
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0242	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	449.09	54.26
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0243	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	470.49	61.05
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0244	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	754.27	67.82
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0245	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	793.98	74.60
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0246	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	834.33	81.39
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	338.37	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0247	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	441.19	27.13
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	451.17	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0248	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	451.75	33.91
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	451.17	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0249	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	488.88	40.69
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	451.17	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0250	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	519.07	47.48
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	451.17	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0251	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	544.67	54.26
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	451.17	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0252	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	571.81	61.05
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	451.17	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0253	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	789.64	67.82
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	451.17	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0254	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	834.13	74.60
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	451.17	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0255	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	880.21	81.39
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	451.17	
			For All Plywood Box Construction, Add	117.57	
06 41 13 00-0256			Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0257	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	324.57	67.82
			For All Plywood Box Construction, Add	63.09	
06 41 13 00-0258	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	344.76	74.60
			For All Plywood Box Construction, Add	63.09	
06 41 13 00-0259	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	379.51	81.39
			For All Plywood Box Construction, Add	63.09	
06 41 13 00-0260	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	403.41	88.17
			For All Plywood Box Construction, Add	63.09	
06 41 13 00-0261			Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0222)		
06 41 13 00-0262	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	276.65	27.13
			For All Plywood Box Construction, Add	63.09	
06 41 13 00-0263	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	283.18	33.91
			For All Plywood Box Construction, Add	63.09	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
06 41 13 00-0264	EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	296.41 63.09		40.69	
06 41 13 00-0265	EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	304.86 63.09		47.48	
06 41 13 00-0266	EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	313.31 63.09		54.26	
06 41 13 00-0267	EA 30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	327.48 63.09		67.82	
06 41 13 00-0268	EA 33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	349.32 63.09		74.60	
06 41 13 00-0269	EA 36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	379.51 63.09		81.39	
06 41 13 00-0270	EA 39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	403.41 63.09		88.17	
06 41 13 00-0271 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0222)					
06 41 13 00-0272	EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	286.21 63.09		27.13	
06 41 13 00-0273	EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	300.38 63.09		33.91	
06 41 13 00-0274	EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	311.71 63.09		40.69	
06 41 13 00-0275	EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	323.97 63.09		47.48	
06 41 13 00-0276	EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	340.08 63.09		54.26	
06 41 13 00-0277	EA 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	358.62 63.09		61.07	
06 41 13 00-0278	EA 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	374.32 63.09		67.82	
06 41 13 00-0279	EA 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	388.51 63.09		74.60	
06 41 13 00-0280	EA 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	396.72 63.09		81.39	
06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0222)					
06 41 13 00-0282	EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	315.64 63.09		27.13	
06 41 13 00-0283	EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	342.30 63.09		33.91	
06 41 13 00-0284	EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	363.84 63.09		40.69	
06 41 13 00-0285	EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	389.25 63.09		47.48	
06 41 13 00-0286	EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	414.71 63.09		54.26	
06 41 13 00-0287	EA 27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	452.37 63.09		61.07	
06 41 13 00-0288	EA 30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	463.29 63.09		67.82	
06 41 13 00-0289	EA 33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	502.53 63.09		74.60	
06 41 13 00-0290	EA 36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	517.87 63.09		81.39	
06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0222)					
06 41 13 00-0292	EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	351.96 63.09		27.13	
06 41 13 00-0293	EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	379.58 63.09		33.91	
06 41 13 00-0294	EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	403.99 63.09		40.69	
06 41 13 00-0295	EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	431.31 63.09		47.48	
06 41 13 00-0296	EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	501.69 63.09		54.26	
06 41 13 00-0297	EA 27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	503.99 63.09		61.07	
06 41 13 00-0298	EA 30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	521.60 63.09		67.82	
06 41 13 00-0299	EA 33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	568.49 63.09		74.60	
06 41 13 00-0300	EA 36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	582.87 63.09		81.39	
06 41 13 00-0301 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0222)					
06 41 13 00-0302	EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	389.24 63.09		27.13	
06 41 13 00-0303	EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	423.54 63.09		33.91	
06 41 13 00-0304	EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	449.87 63.09		40.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	476.23	47.48	
		<i>For All Plywood Box Construction, Add</i>	63.09		
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	516.98	54.26	
		<i>For All Plywood Box Construction, Add</i>	63.09		
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	549.87	61.07	
		<i>For All Plywood Box Construction, Add</i>	63.09		
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	577.04	67.82	
		<i>For All Plywood Box Construction, Add</i>	63.09		
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	629.66	74.60	
		<i>For All Plywood Box Construction, Add</i>	63.09		
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	648.82	81.39	
		<i>For All Plywood Box Construction, Add</i>	63.09		
06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0222)					
06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	371.93	67.82	
		<i>For All Plywood Box Construction, Add</i>	63.09		
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	398.25	74.60	
		<i>For All Plywood Box Construction, Add</i>	63.09		
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	426.18	81.39	
		<i>For All Plywood Box Construction, Add</i>	63.09		
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	459.40	88.17	
		<i>For All Plywood Box Construction, Add</i>	63.09		
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	537.67	108.52	
		<i>For All Plywood Box Construction, Add</i>	63.09		
06 41 13 00-0317 Utility Cabinets, 84" High (06 41 13 00-0222)					
06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	717.91	60.29	
		<i>For All Plywood Box Construction, Add</i>	233.23		
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	809.58	72.35	
		<i>For All Plywood Box Construction, Add</i>	233.23		
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	907.01	566.71	
		<i>For All Plywood Box Construction, Add</i>	233.23		
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	954.74	96.46	
		<i>For All Plywood Box Construction, Add</i>	233.23		
06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,143.92	120.57	
		<i>For All Plywood Box Construction, Add</i>	233.23		
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,312.07	144.69	
		<i>For All Plywood Box Construction, Add</i>	233.23		
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	803.94	60.29	
		<i>For All Plywood Box Construction, Add</i>	233.23		
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	887.96	72.35	
		<i>For All Plywood Box Construction, Add</i>	233.23		
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,009.29	84.41	
		<i>For All Plywood Box Construction, Add</i>	233.23		
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,073.27	96.46	
		<i>For All Plywood Box Construction, Add</i>	233.23		
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,317.89	120.57	
		<i>For All Plywood Box Construction, Add</i>	233.23		
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,500.37	144.69	
		<i>For All Plywood Box Construction, Add</i>	233.23		
06 41 13 00-0330 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets (06 41 13 00-0005)					
06 41 13 00-0331 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0330)					
06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	358.98	27.13	
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	112.79		
		<i>For All Plywood Box Construction, Add</i>	117.57		
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	381.01	33.91	
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	112.79		
		<i>For All Plywood Box Construction, Add</i>	117.57		
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	398.07	40.69	
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	112.79		
		<i>For All Plywood Box Construction, Add</i>	117.57		
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	418.70	47.48	
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	112.79		
		<i>For All Plywood Box Construction, Add</i>	117.57		
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	472.98	54.26	
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	112.79		
		<i>For All Plywood Box Construction, Add</i>	117.57		
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	494.39	61.05	
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	112.79		
		<i>For All Plywood Box Construction, Add</i>	117.57		
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	532.51	67.82	
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	112.79		
		<i>For All Plywood Box Construction, Add</i>	117.57		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

UNIT COST

DEMOLITION

UNIT COST

06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	560.75	74.60
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	112.79	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	578.16	81.39
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	112.79	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	657.77	108.52
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	225.58	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	721.77	67.82
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	225.58	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	798.96	81.39
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	225.58	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	756.18	67.82
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	841.98	81.39
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	364.72	27.13
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	373.36	33.91
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0348	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	405.72	40.69
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0349	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	431.13	47.48
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0350	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	449.09	54.26
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0351	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	470.49	61.05
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0352	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	754.27	67.82
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0353	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	793.98	74.60
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0354	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	834.33	81.39
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	338.37	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0355	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	441.19	27.13
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0356	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	451.75	33.91
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0357	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	488.88	40.69
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0358	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	519.07	47.48
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0359	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	544.67	54.26
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	
06 41 13 00-0360	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	571.81	61.05
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	451.17	
		<i>For All Plywood Box Construction, Add</i>	117.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0361	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	789.64 451.17 117.57	67.82
06 41 13 00-0362	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	834.13 451.17 117.57	74.60
06 41 13 00-0363	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	880.21 451.17 117.57	81.39
06 41 13 00-0364 Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0330)					
06 41 13 00-0365	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	324.57 63.09	67.82
06 41 13 00-0366	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	344.76 63.09	74.60
06 41 13 00-0367	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	379.51 63.09	81.39
06 41 13 00-0368	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	403.41 63.09	88.17
06 41 13 00-0369 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0330)					
06 41 13 00-0370	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	276.65 63.09	27.13
06 41 13 00-0371	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	283.18 63.09	33.91
06 41 13 00-0372	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	296.41 63.09	40.69
06 41 13 00-0373	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	304.86 63.09	47.48
06 41 13 00-0374	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	313.31 63.09	54.26
06 41 13 00-0375	EA		30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	327.48 63.09	67.82
06 41 13 00-0376	EA		33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	349.32 63.09	74.60
06 41 13 00-0377	EA		36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	379.51 63.09	81.39
06 41 13 00-0378	EA		39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	403.41 63.09	88.17
06 41 13 00-0379 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0330)					
06 41 13 00-0380	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	286.21 63.09	27.13
06 41 13 00-0381	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	300.38 63.09	33.91
06 41 13 00-0382	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	311.71 63.09	40.69
06 41 13 00-0383	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	323.97 63.09	47.48
06 41 13 00-0384	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	340.08 63.09	54.26
06 41 13 00-0385	EA		27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	358.62 63.09	61.07
06 41 13 00-0386	EA		30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	374.32 63.09	67.82
06 41 13 00-0387	EA		33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	388.51 63.09	74.60
06 41 13 00-0388	EA		36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet <i>For All Plywood Box Construction, Add</i>	396.72 63.09	81.39

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 41 Architectural Wood Casework**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 41 13 00-0389		Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0390	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	315.64	27.13
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0391	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	342.30	33.91
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0392	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	363.84	40.69
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0393	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	389.25	47.48
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0394	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	414.71	54.26
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0395	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	452.37	61.07
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0396	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	463.29	67.82
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0397	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	502.53	74.60
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0398	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	517.87	81.39
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0399		Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0400	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	351.96	27.13
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	379.58	33.91
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	403.99	40.69
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	431.31	47.48
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	501.69	54.26
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	503.99	61.07
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	521.60	67.82
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	568.49	74.60
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	582.87	81.39
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0409		Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0330)		
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	389.24	27.13
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	423.54	33.91
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	449.87	40.69
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	476.23	47.48
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	516.98	54.26
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	549.87	61.07
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	577.04	67.82
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	629.66	74.60
		For All Plywood Box Construction, Add.....	63.09	
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	648.82	81.39
		For All Plywood Box Construction, Add.....	63.09	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0419		Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0330)		
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	371.93	67.82
		For All Plywood Box Construction, Add	63.09	
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	398.25	74.60
		For All Plywood Box Construction, Add	63.09	
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	426.18	81.39
		For All Plywood Box Construction, Add	63.09	
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	459.40	88.17
		For All Plywood Box Construction, Add	63.09	
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	537.67	108.52
		For All Plywood Box Construction, Add	63.09	
06 41 13 00-0425		Utility Cabinets, 84" High (06 41 13 00-0330)		
06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	717.91	60.29
		For All Plywood Box Construction, Add	233.23	
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	809.58	72.35
		For All Plywood Box Construction, Add	233.23	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	907.01	566.71
		For All Plywood Box Construction, Add	233.23	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	954.74	96.46
		For All Plywood Box Construction, Add	233.23	
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,143.92	120.57
		For All Plywood Box Construction, Add	233.23	
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,312.07	144.69
		For All Plywood Box Construction, Add	233.23	
06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	803.94	60.29
		For All Plywood Box Construction, Add	233.23	
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	887.96	72.35
		For All Plywood Box Construction, Add	233.23	
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,009.29	84.41
		For All Plywood Box Construction, Add	233.23	
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,073.27	96.46
		For All Plywood Box Construction, Add	233.23	
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,317.89	120.57
		For All Plywood Box Construction, Add	233.23	
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,500.37	144.69
		For All Plywood Box Construction, Add	233.23	
06 41 93		Cabinet and Drawer Hardware (06 41)		
06 41 93 00-0001		Cabinet Hardware (06 41 93)		
		Note: Includes all finishes, and mounting screws.		
06 41 93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull	32.19	11.53
06 41 93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull	33.13	11.53
06 41 93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull	34.77	11.53
06 41 93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle	36.60	11.53
06 41 93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle	37.54	11.53
06 41 93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle	47.66	11.53
06 41 93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle	89.52	11.53
06 41 93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs	25.00	8.82
06 41 93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull	24.83	8.82
06 41 93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull	33.78	10.18
06 41 93 00-0012	EA	3" Long, Finger Cabinet Pull	38.18	10.18
06 41 93 00-0013	EA	4" Long, Finger Cabinet Pull	41.19	10.18
06 41 93 00-0014	EA	6" Long, Finger Cabinet Pull	45.30	10.18
06 41 93 00-0015	EA	12" Long, Finger Cabinet Pull	64.40	10.18
06 41 93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch.....	48.41	13.57
06 41 93 00-0017	EA	Cabinet Door or Drawer Bored Lock with 2 Keys.....	64.23	11.53
06 41 93 00-0018	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch.....	43.53	11.53
06 41 93 00-0019	EA	Cabinet Door or Drawer Bored 4-Pin, Cam Lock With 2 Keys	105.61	
06 42		Wood Paneling (06 40)		
		Note: Includes glue for installation.		
06 42 13		Wood Board Paneling (06 42)		

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 42 13 00-0001		Solid Wood Paneling (06 42 13)		
06 42 13 00-0002		7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide (06 42 13 00-0001)		
06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16"	12.44	2.85
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16"	13.10	2.85
06 42 13 00-0005		7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide (06 42 13 00-0001)		
06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16"	24.27	2.71
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16"	22.17	2.71
06 42 13 00-0008		1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide (06 42 13 00-0001)		
06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2"	14.40	2.85
06 42 13 00-0010		1" Solid Wood Paneling, Shiplap, 6" To 8" Wide (06 42 13 00-0001)		
06 42 13 00-0011	SF	1" Teredo (Driftwood) Wood Shiplap	9.28	2.44
06 42 16		Flush Wood Paneling (06 42)		
06 42 16 00-0001		Veneer Hardboard Panels (06 42 16)		
06 42 16 00-0002	SF	1/4" Maple Or Birch Veneer Paneling	9.55	2.45
		For Waterproof Glue, Add	0.28	
		For Ceiling Installation, Add	1.67	
06 42 16 00-0003		Plywood Unfinished With Trim 1/4" Thick (06 42 16)		
06 42 16 00-0004		Birch (06 42 16 00-0003)		
06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	6.23	2.18
		For Waterproof Glue, Add	0.09	
		For Ceiling Installation, Add	1.48	
		For Installation On Metal Studs Or Furring, Add	0.54	
		For Glue Laminated Installation, Add	0.31	
		For Lumber Core, Add	0.14	
		For 1/8" Thick Paneling, Deduct	-0.56	
		For 1/2" Thick Paneling, Add	1.30	
		For 5/8" Thick Paneling, Add	1.57	
		For 3/4" Thick Paneling, Add	1.93	
		For Fire Retardant Treatment (Class I), Add	1.03	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	6.33	2.18
		For Waterproof Glue, Add	0.10	
		For Ceiling Installation, Add	1.48	
		For Installation On Metal Studs Or Furring, Add	0.54	
		For Glue Laminated Installation, Add	0.32	
		For Lumber Core, Add	0.16	
		For 1/8" Thick Paneling, Deduct	-0.58	
		For 1/2" Thick Paneling, Add	1.35	
		For 5/8" Thick Paneling, Add	1.65	
		For 3/4" Thick Paneling, Add	2.03	
		For Fire Retardant Treatment (Class I), Add	1.11	
06 42 16 00-0007		Knotty Pine (06 42 16 00-0003)		
06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	7.19	2.45
		For Waterproof Glue, Add	0.12	
		For Ceiling Installation, Add	1.64	
		For Installation On Metal Studs Or Furring, Add	0.60	
		For Glue Laminated Installation, Add	0.36	
		For Lumber Core, Add	0.19	
		For 1/8" Thick Paneling, Deduct	-0.67	
		For 1/2" Thick Paneling, Add	1.59	
		For 5/8" Thick Paneling, Add	1.95	
		For 3/4" Thick Paneling, Add	2.42	
		For Fire Retardant Treatment (Class I), Add	1.37	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	7.11	2.45
		For Waterproof Glue, Add	0.12	
		For Ceiling Installation, Add	1.64	
		For Installation On Metal Studs Or Furring, Add	0.60	
		For Glue Laminated Installation, Add	0.36	
		For Lumber Core, Add	0.18	
		For 1/8" Thick Paneling, Deduct	-0.66	
		For 1/2" Thick Paneling, Add	1.55	
		For 5/8" Thick Paneling, Add	1.89	
		For 3/4" Thick Paneling, Add	2.34	
		For Fire Retardant Treatment (Class I), Add	1.30	
06 42 16 00-0010		Cedar (Aromatic - Closet Lining) (06 42 16 00-0003)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0011	SF		1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	7.25	2.73
			For Waterproof Glue, Add	0.08	
			For Ceiling Installation, Add	1.84	
			For Installation On Metal Studs Or Furring, Add	0.68	
			For Glue Laminated Installation, Add	0.36	
			For Lumber Core, Add	0.12	
			For 1/8" Thick Paneling, Deduct	-0.62	
			For 1/2" Thick Paneling, Add	1.34	
			For 5/8" Thick Paneling, Add	1.57	
			For 3/4" Thick Paneling, Add	1.87	
			For Fire Retardant Treatment (Class I), Add	0.88	
06 42 16 00-0012	SF		1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	7.28	2.73
			For Waterproof Glue, Add	0.08	
			For Ceiling Installation, Add	1.84	
			For Installation On Metal Studs Or Furring, Add	0.68	
			For Glue Laminated Installation, Add	0.36	
			For Lumber Core, Add	0.13	
			For 1/8" Thick Paneling, Deduct	-0.62	
			For 1/2" Thick Paneling, Add	1.35	
			For 5/8" Thick Paneling, Add	1.59	
			For 3/4" Thick Paneling, Add	1.90	
			For Fire Retardant Treatment (Class I), Add	0.90	
06 42 16 00-0013			Top Grade Plywood Prefinished With Trim 1/4" Thick (06 42 16)		
06 42 16 00-0014	SF		1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	6.92	2.45
			For Flitch Matched Veneer, Add	0.73	
			For Second Grade Veneer, Deduct	-0.15	
			For Third Grade Veneer, Deduct	-0.22	
			For Waterproof Glue, Add	0.10	
			For Ceiling Installation, Add	1.64	
			For Installation On Metal Studs Or Furring, Add	0.60	
			For Glue Laminated Installation, Add	0.35	
			For Lumber Core, Add	0.16	
			For 1/8" Thick Paneling, Deduct	-0.63	
			For 1/2" Thick Paneling, Add	1.44	
			For 5/8" Thick Paneling, Add	1.75	
			For 3/4" Thick Paneling, Add	2.14	
			For Fire Retardant Treatment (Class I), Add	1.15	
06 42 16 00-0015	SF		1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	7.58	2.45
			For Flitch Matched Veneer, Add	1.06	
			For Second Grade Veneer, Deduct	-0.21	
			For Third Grade Veneer, Deduct	-0.32	
			For Waterproof Glue, Add	0.15	
			For Ceiling Installation, Add	1.64	
			For Installation On Metal Studs Or Furring, Add	0.60	
			For Glue Laminated Installation, Add	0.38	
			For Lumber Core, Add	0.23	
			For 1/8" Thick Paneling, Deduct	-0.74	
			For 1/2" Thick Paneling, Add	1.80	
			For 5/8" Thick Paneling, Add	2.25	
			For 3/4" Thick Paneling, Add	2.82	
			For Fire Retardant Treatment (Class I), Add	1.67	
06 42 16 00-0016	SF		1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	11.09	2.45
			For Flitch Matched Veneer, Add	2.28	
			For Second Grade Veneer, Deduct	-0.46	
			For Third Grade Veneer, Deduct	-0.68	
			For Waterproof Glue, Add	0.32	
			For Ceiling Installation, Add	1.96	
			For Installation On Metal Studs Or Furring, Add	0.72	
			For Glue Laminated Installation, Add	0.55	
			For Lumber Core, Add	0.50	
			For 1/8" Thick Paneling, Deduct	-1.22	
			For 1/2" Thick Paneling, Add	3.24	
			For 5/8" Thick Paneling, Add	4.20	
			For 3/4" Thick Paneling, Add	5.43	
			For Fire Retardant Treatment (Class I), Add	3.59	
06 42 16 00-0017	SF		1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	5.87	2.45
			For Flitch Matched Veneer, Add	0.49	
			For Second Grade Veneer, Deduct	-0.10	
			For Third Grade Veneer, Deduct	-0.15	
			For Waterproof Glue, Add	0.07	
			For Ceiling Installation, Add	1.47	
			For Installation On Metal Studs Or Furring, Add	0.54	
			For Glue Laminated Installation, Add	0.29	
			For Lumber Core, Add	0.11	
			For 1/8" Thick Paneling, Deduct	-0.50	
			For 1/2" Thick Paneling, Add	1.11	
			For 5/8" Thick Paneling, Add	1.32	
			For 3/4" Thick Paneling, Add	1.58	
			For Fire Retardant Treatment (Class I), Add	0.77	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 42 Wood Paneling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim.....	9.80	2.45
		For Flitch Matched Veneer, Add	1.83	
		For Second Grade Veneer, Deduct	-0.37	
		For Third Grade Veneer, Deduct	-0.55	
		For Waterproof Glue, Add	0.26	
		For Ceiling Installation, Add	1.84	
		For Installation On Metal Studs Or Furring, Add	0.68	
		For Glue Laminated Installation, Add	0.49	
		For Lumber Core, Add	0.40	
		For 1/8" Thick Paneling, Deduct	-1.04	
		For 1/2" Thick Paneling, Add	2.71	
		For 5/8" Thick Paneling, Add	3.48	
		For 3/4" Thick Paneling, Add	4.47	
		For Fire Retardant Treatment (Class I), Add	2.89	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	7.08	2.45
		For Flitch Matched Veneer, Add	0.81	
		For Second Grade Veneer, Deduct	-0.16	
		For Third Grade Veneer, Deduct	-0.24	
		For Waterproof Glue, Add	0.11	
		For Ceiling Installation, Add	1.64	
		For Installation On Metal Studs Or Furring, Add	0.60	
		For Glue Laminated Installation, Add	0.35	
		For Lumber Core, Add	0.18	
		For 1/8" Thick Paneling, Deduct	-0.65	
		For 1/2" Thick Paneling, Add	1.53	
		For 5/8" Thick Paneling, Add	1.87	
		For 3/4" Thick Paneling, Add	2.31	
		For Fire Retardant Treatment (Class I), Add	1.28	
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	8.29	2.45
		For Flitch Matched Veneer, Add	1.08	
		For Second Grade Veneer, Deduct	-0.22	
		For Third Grade Veneer, Deduct	-0.32	
		For Waterproof Glue, Add	0.15	
		For Ceiling Installation, Add	1.84	
		For Installation On Metal Studs Or Furring, Add	0.68	
		For Glue Laminated Installation, Add	0.41	
		For Lumber Core, Add	0.24	
		For 1/8" Thick Paneling, Deduct	-0.79	
		For 1/2" Thick Paneling, Add	1.90	
		For 5/8" Thick Paneling, Add	2.35	
		For 3/4" Thick Paneling, Add	2.93	
		For Fire Retardant Treatment (Class I), Add	1.70	
06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	12.86	2.45
		For Flitch Matched Veneer, Add	2.60	
		For Second Grade Veneer, Deduct	-0.52	
		For Third Grade Veneer, Deduct	-0.78	
		For Waterproof Glue, Add	0.36	
		For Ceiling Installation, Add	2.30	
		For Installation On Metal Studs Or Furring, Add	0.84	
		For Glue Laminated Installation, Add	0.64	
		For Lumber Core, Add	0.57	
		For 1/8" Thick Paneling, Deduct	-1.40	
		For 1/2" Thick Paneling, Add	3.72	
		For 5/8" Thick Paneling, Add	4.81	
		For 3/4" Thick Paneling, Add	6.21	
		For Fire Retardant Treatment (Class I), Add	4.10	
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	9.79	2.45
		For Flitch Matched Veneer, Add	1.83	
		For Second Grade Veneer, Deduct	-0.37	
		For Third Grade Veneer, Deduct	-0.55	
		For Waterproof Glue, Add	0.26	
		For Ceiling Installation, Add	1.84	
		For Installation On Metal Studs Or Furring, Add	0.68	
		For Glue Laminated Installation, Add	0.49	
		For Lumber Core, Add	0.40	
		For 1/8" Thick Paneling, Deduct	-1.04	
		For 1/2" Thick Paneling, Add	2.71	
		For 5/8" Thick Paneling, Add	3.47	
		For 3/4" Thick Paneling, Add	4.46	
		For Fire Retardant Treatment (Class I), Add	2.88	
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	8.57	2.45
		For Flitch Matched Veneer, Add	1.56	
		For Second Grade Veneer, Deduct	-0.31	
		For Third Grade Veneer, Deduct	-0.47	
		For Waterproof Glue, Add	0.22	
		For Ceiling Installation, Add	1.64	
		For Installation On Metal Studs Or Furring, Add	0.60	
		For Glue Laminated Installation, Add	0.43	
		For Lumber Core, Add	0.34	
		For 1/8" Thick Paneling, Deduct	-0.90	
		For 1/2" Thick Paneling, Add	2.33	
		For 5/8" Thick Paneling, Add	2.99	
		For 3/4" Thick Paneling, Add	3.83	
		For Fire Retardant Treatment (Class I), Add	2.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0024	SF		1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	7.11	2.45
			For Flitch Matched Veneer, Add	0.83	
			For Second Grade Veneer, Deduct	-0.17	
			For Third Grade Veneer, Deduct	-0.25	
			For Waterproof Glue, Add	0.12	
			For Ceiling Installation, Add	1.64	
			For Installation On Metal Studs Or Furring, Add	0.60	
			For Glue Laminated Installation, Add	0.36	
			For Lumber Core, Add	0.18	
			For 1/8" Thick Paneling, Deduct	-0.66	
			For 1/2" Thick Paneling, Add	1.55	
			For 5/8" Thick Paneling, Add	1.89	
			For 3/4" Thick Paneling, Add	2.34	
			For Fire Retardant Treatment (Class I), Add	1.30	
06 42 16 00-0025			Accessories (06 42 16)		
06 42 16 00-0026	EA		Aluminum Panel Retainer "J" With Bolt	42.94	
06 42 19			Plastic-Laminate-Faced Wood Paneling (06 42)		
06 42 19 00-0001			Plastic Laminate (06 42 19)		
			Note: Standard colors and patterns.		
06 42 19 00-0002	SF		1/16" Plastic Laminate Faced Panel	12.30	4.75
			Note: Includes cutting to fit.		
06 43			Wood Stairs and Railings (06 40)		
06 43 13			Wood Stairs (06 43)		
06 43 13 00-0001			Stair Parts (06 43 13)		
06 43 13 00-0002	EA		30" Baluster, Pine	65.33	27.53
06 43 13 00-0003	EA		30" Baluster, Birch	76.47	27.53
06 43 13 00-0004	EA		42" Baluster, Pine	73.36	28.47
06 43 13 00-0005	EA		42" Baluster, Birch	85.24	28.47
06 43 13 00-0006	EA		3-1/4" Wide Newels, Starting	377.41	108.21
06 43 13 00-0007	EA		3-1/4" Wide Newels, Landing	551.19	151.87
06 43 13 00-0008	LF		Oak Gooseneck, 1 Riser	231.70	94.92
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	31.16	
06 43 13 00-0009	LF		Oak Gooseneck, 2 Riser	270.22	104.28
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	34.26	
06 43 13 00-0010	LF		Oak Handrail, 2-1/2" x 3" With Quarter Turn	46.23	14.24
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	4.67	
06 43 13 00-0011	LF		1-1/16" x 9-1/2" Oak Stair Tread	58.99	8.00
			For Beech, Add	12.92	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.66	
06 43 13 00-0012	LF		1-1/16" x 11-1/2" Oak Stair Tread	71.25	8.00
			For Beech, Add	16.60	
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.66	
06 43 13 00-0013	LF		1-1/16" x 11-1/2" Pine Stair Tread	33.29	8.00
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.66	
06 43 13 00-0014	LF		3/4" x 7-1/2" High Beech Riser	44.83	8.27
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.82	
06 43 13 00-0015	LF		3/4" x 7-1/2" High Oak Riser	42.23	8.27
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.82	
06 43 13 00-0016	LF		3/4" x 7-1/2" High Fir Riser	25.51	8.27
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.82	
06 43 13 00-0017	LF		3/4" x 7-1/2" High Pine Riser	24.70	8.27
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.82	
06 43 13 00-0018	SF		Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	53.00	
06 43 13 00-0019			Interior Box Stairs (06 43 13)		
			Note: Factory cut and assembled straight closed box stairs, unfinished.		
06 43 13 00-0020	EA		30" Wide Pine Box Stair, Per Riser	328.96	82.58
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	27.13	
			For Prefinished Stair Rail With Balusters And Newel, Add	79.39	
			For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	26.75	
			For Oak Or Maple Treads, Add	94.95	
06 43 13 00-0021	EA		32" Wide Pine Box Stair, Per Riser	348.26	84.48
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	27.75	
			For Prefinished Stair Rail With Balusters And Newel, Add	80.19	
			For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	27.08	
			For Oak Or Maple Treads, Add	102.43	
06 43 13 00-0022	EA		34" Wide Pine Box Stair, Per Riser	366.27	85.43
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	28.07	
			For Prefinished Stair Rail With Balusters And Newel, Add	80.61	
			For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	27.25	
			For Oak Or Maple Treads, Add	109.91	
06 43 13 00-0023	EA		36" Wide Pine Box Stair, Per Riser	387.09	86.38
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	28.38	
			For Prefinished Stair Rail With Balusters And Newel, Add	81.01	
			For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	27.42	
			For Oak Or Maple Treads, Add	118.67	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 43 Wood Stairs and Railings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser.....	399.45	87.33
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	28.69	
		For Prefinished Stair Rail With Balusters And Newel, Add	81.42	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	27.59	
		For Oak Or Maple Treads, Add	123.63	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser.....	413.20	89.23
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	29.31	
		For Prefinished Stair Rail With Balusters And Newel, Add	82.24	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	27.93	
		For Oak Or Maple Treads, Add	128.59	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser.....	425.56	90.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	29.62	
		For Prefinished Stair Rail With Balusters And Newel, Add	82.64	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	28.10	
		For Oak Or Maple Treads, Add	133.54	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser.....	437.96	91.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	29.94	
		For Prefinished Stair Rail With Balusters And Newel, Add	83.05	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	28.27	
		For Oak Or Maple Treads, Add	138.50	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser.....	450.29	92.07
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	30.25	
		For Prefinished Stair Rail With Balusters And Newel, Add	83.45	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	28.44	
		For Oak Or Maple Treads, Add	143.46	
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser.....	465.28	94.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	31.19	
		For Prefinished Stair Rail With Balusters And Newel, Add	84.68	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	28.95	
		For Oak Or Maple Treads, Add	148.36	

06 43 16 Wood Railings (06 43)**06 43 16 00-0001 Handrails (06 43 16)****06 43 16 00-0002 Wood Handrail With Brackets (06 43 16 00-0001)**

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets.....	21.38	6.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.12	
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets.....	22.96	6.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	3.12	
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets.....	28.22	6.78
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets.....	29.53	6.78
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets.....	34.26	6.78
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets.....	48.87	6.78

06 44 Ornamental Woodwork (06 40)**06 44 39 Wood Posts and Columns (06 44)****06 44 39 00-0001 Columns (06 44 39)****06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)**

Note: Paint grade/finger jointed pine.

06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	78.45	7.23
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	98.02	10.57
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	120.36	12.24
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	144.32	12.80
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	324.01	14.46
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	376.58	15.57
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	453.58	16.69
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	541.81	17.81
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	90.47	7.23
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	107.65	10.57
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	133.67	12.24
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	158.54	12.80
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	352.91	14.46
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	480.26	15.57
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	517.80	16.69
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	583.09	17.81

06 44 39 00-0019 Pine Colonial Columns, Round Non-Tapered With Cap And Base (06 44 39 00-0001)

Note: Paint grade/finger jointed pine.

06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	94.60	7.23
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	116.37	10.57
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	144.22	12.24
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	174.14	12.80
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	398.83	14.46
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	464.20	15.57
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	560.14	16.69
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	670.16	17.81
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	109.65	7.23
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	129.53	10.57
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	161.47	12.24
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	192.39	12.80
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	435.03	14.46

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	594.16	15.57
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	640.65	16.69
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base.....	721.95	17.81
06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001)				
Note: Paint grade/finger jointed pine.				
06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	84.16	7.23
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	104.89	10.57
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	129.00	12.24
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	155.02	12.80
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	97.26	7.23
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	115.39	10.57
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	143.50	12.24
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	170.51	12.80
06 44 39 00-0045 Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)				
Note: Paint grade/finger jointed redwood.				
06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	132.21	7.23
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	158.57	10.57
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	197.89	12.24
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	242.49	12.80
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	152.40	7.23
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	180.13	10.57
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	223.12	12.24
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	275.52	12.80
06 44 39 00-0054 Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)				
Note: For tapered wood columns.				
06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base	415.38	15.02
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base	629.73	16.69
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base	878.42	19.47
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base	1,122.52	22.25
06 44 39 00-0059	EA	6" Resin Greek Erechtheum Cap And Base	369.51	15.02
06 44 39 00-0060	EA	8" Resin Greek Erechtheum Cap And Base	515.05	16.69
06 44 39 00-0061	EA	10" Resin Greek Erechtheum Cap And Base	639.89	19.47
06 44 39 00-0062	EA	12" Resin Greek Erechtheum Cap And Base	838.11	22.25
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base	388.97	15.57
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base.....	515.05	16.69
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base.....	639.89	19.47
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base.....	815.17	22.25
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base	393.56	15.57
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base	560.92	16.69
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base	662.82	19.47
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base	911.51	22.25
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base.....	393.56	15.57
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base.....	611.38	16.69
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base.....	809.61	19.47
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base.....	1,003.25	22.25
06 44 39 00-0075 Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)				
Note: For tapered wood columns.				
06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base	842.00	15.02
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base	946.25	16.69
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base	1,204.12	19.47
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base	1,324.36	22.25
06 44 39 00-0080	EA	6" Plaster Greek Erechtheum Cap And Base	557.59	15.02
06 44 39 00-0081	EA	8" Plaster Greek Erechtheum Cap And Base	648.08	16.69
06 44 39 00-0082	EA	10" Plaster Greek Erechtheum Cap And Base	800.44	19.47
06 44 39 00-0083	EA	12" Plaster Greek Erechtheum Cap And Base	1,007.84	22.25
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base.....	535.76	15.57
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base.....	703.12	16.69
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base.....	850.90	19.47
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base.....	1,007.84	22.25
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base	636.68	15.57
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base	845.33	16.69
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base	951.82	19.47
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base	1,209.68	22.25
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base.....	535.76	15.57
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base.....	693.95	16.69
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base.....	905.95	19.47
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base.....	1,159.22	22.25
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base	604.57	15.57
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base	739.82	16.69
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base	901.36	19.47
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base	1,007.84	22.25

06 46 Wood Trim (06 40)
06 46 13 Wood Door and Window Casings (06 46)
06 46 13 00-0001 Door and Window Casings (06 46 13)

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding.....	6.24		2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12		
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding.....	6.29		2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12		
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim.....	7.78		2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12		
06 46 19 Wood Base and Shoe Moldings (06 46)					
06 46 19 00-0001 Base And Shoe Molding (06 46 19)					
06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim.....	6.50		2.57
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30		
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim.....	6.93		2.57
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30		
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	8.16		1.63
		<i>For Clear Birch, Add</i>	0.87		
		<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	1.77		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.49		
		<i>For Clear Poplar, Add</i>	0.55		
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	9.93		2.03
		<i>For Clear Birch, Add</i>	1.01		
		<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.10		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.57		
		<i>For Clear Poplar, Add</i>	0.63		
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal.....	12.33		2.30
		<i>For Clear Birch, Add</i>	1.56		
		<i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i>	2.94		
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.88		
		<i>For Clear Poplar, Add</i>	0.97		
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	8.03		2.57
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade.....	7.78		2.57
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade.....	7.24		2.57
06 46 23 Wood Chair Rails (06 46)					
06 46 23 00-0001 Chair Rails (06 46 23)					
06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail.....	9.91		2.44
		<i>For Birch, Add</i>	1.43		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.56		
		<i>For Poplar, Add</i>	0.90		
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail.....	12.18		2.44
		<i>For Birch, Add</i>	2.16		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.58		
		<i>For Poplar, Add</i>	1.35		
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail.....	7.35		2.44
		<i>For Birch, Add</i>	1.05		
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.88		
		<i>For Poplar, Add</i>	0.66		
06 46 26 Wood Cornices (06 46)					
06 46 26 00-0001 Wood Cornices (06 46 26)					
06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal.....	7.47		2.44
		<i>For Birch, Add</i>	0.73		
		<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	1.46		
		<i>For Poplar, Add</i>	0.92		
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal.....	9.33		2.57
		<i>For Birch, Add</i>	1.32		
		<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	2.22		
		<i>For Poplar, Add</i>	1.66		
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal.....	12.92		2.71
		<i>For Birch, Add</i>	2.53		
		<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	3.75		
		<i>For Poplar, Add</i>	3.16		
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal.....	14.89		2.71
		<i>For Birch, Add</i>	3.14		
		<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	4.54		
		<i>For Poplar, Add</i>	3.93		
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal.....	17.16		2.85
		<i>For Birch, Add</i>	3.86		
		<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	5.46		
		<i>For Poplar, Add</i>	4.82		
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal.....	22.03		3.12
		<i>For Birch, Add</i>	5.49		
		<i>For Mahogany, Oak, Maple, Or Walnut, Add</i>	7.54		
		<i>For Poplar, Add</i>	6.86		
06 46 29 Wood Fasciae and Soffits (06 46)					
06 46 29 00-0001 Fascia Board (06 46 29)					
06 46 29 00-0002 Pine Fascia Board (06 46 29 00-0001)					
06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	6.28		2.71
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	7.16		3.01
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	7.72		3.16

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board.....	9.06	3.54
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board.....	6.22	2.71
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board.....	7.07	3.01
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board.....	7.85	3.16
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board.....	9.45	3.54
06 46 29 00-0011		Cedar Fascia Board (06 46 29 00-0001)		
06 46 29 00-0012	LF	1" x 6" Cedar Fascia Board.....	6.69	2.71
06 46 29 00-0013	LF	1" x 8" Cedar Fascia Board.....	7.80	3.01
06 46 29 00-0014	LF	1" x 10" Cedar Fascia Board.....	8.95	3.16
06 46 29 00-0015	LF	1" x 12" Cedar Fascia Board.....	10.79	3.54
06 46 29 00-0016		Engineered Wood Fascia Board (06 46 29 00-0001)		
06 46 29 00-0017	LF	1" x 6" Engineered Wood Fascia Board.....	6.05	2.71
06 46 29 00-0018	LF	1" x 8" Engineered Wood Fascia Board.....	6.84	3.01
06 46 29 00-0019	LF	1" x 12" Engineered Wood Fascia Board.....	8.32	3.54
06 46 29 00-0020		Soffit (06 46 29)		
06 46 29 00-0021		Sanded Plywood Soffit (06 46 29 00-0020)		
06 46 29 00-0022	SF	3/8" Thick, Sanded Plywood Soffit.....	5.17	2.05
06 46 29 00-0023	SF	1/2" Thick, Sanded Plywood Soffit.....	5.63	2.16
06 46 29 00-0024	SF	5/8" Thick, Sanded Plywood Soffit.....	5.92	2.25
06 46 29 00-0025	SF	3/4" Thick, Sanded Plywood Soffit.....	6.48	2.37
06 46 29 00-0026		MDO Plywood Soffit (06 46 29 00-0020)		
06 46 29 00-0027	SF	3/8" Thick, MDO Plywood Soffit.....	5.67	2.05
06 46 29 00-0028	SF	1/2" Thick, MDO Plywood Soffit.....	6.26	2.16
06 46 29 00-0029	SF	3/4" Thick, MDO Plywood Soffit.....	7.71	2.37
06 46 29 00-0030		Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0020)		
06 46 29 00-0031	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	4.29	1.78
06 46 29 00-0032	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....	4.62	1.88
06 46 36		Custom Wood Molding (06 46)		
Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.				
06 46 36 00-0001		Basswood (06 46 36)		
06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Basswood.....	7.84	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.10	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Basswood.....	9.52	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.13	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Basswood.....	11.21	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Basswood.....	12.89	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.21	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Basswood.....	14.71	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.27	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Basswood.....	16.54	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.34	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Basswood.....	18.21	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.38	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Basswood.....	19.92	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.42	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Basswood.....	21.53	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.44	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Basswood.....	23.40	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.51	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Basswood.....	25.14	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.56	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Basswood.....	8.90	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.13	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Basswood.....	11.01	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.16	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Basswood.....	13.14	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.20	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Basswood.....	15.25	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.24	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Basswood.....	17.58	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.30	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Basswood.....	19.85	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.38	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Basswood.....	21.95	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.41	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Basswood.....	24.09	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.45	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Basswood.....	26.20	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.47	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Basswood.....	28.50	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.54	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Basswood	30.69	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.59	
06 46 36 00-0024	LF	1-1/2" x 1-1/2" Custom Shaped Basswood	12.04	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0025	LF	1-1/2" x 2-1/2" Custom Shaped Basswood	15.69	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0026	LF	1-1/2" x 3-1/2" Custom Shaped Basswood	19.33	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 36 00-0027	LF	1-1/2" x 4-1/2" Custom Shaped Basswood	22.98	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0028	LF	1-1/2" x 5-1/2" Custom Shaped Basswood	26.78	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0029	LF	1-1/2" x 6-1/2" Custom Shaped Basswood	30.58	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.41	
06 46 36 00-0030	LF	1-1/2" x 7-1/2" Custom Shaped Basswood	34.21	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44	
06 46 36 00-0031	LF	1-1/2" x 8-1/2" Custom Shaped Basswood	37.89	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.48	
06 46 36 00-0032	LF	1-1/2" x 9-1/2" Custom Shaped Basswood	41.46	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.50	
06 46 36 00-0033	LF	1-1/2" x 10-1/2" Custom Shaped Basswood	45.30	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.58	
06 46 36 00-0034	LF	1-1/2" x 11-1/2" Custom Shaped Basswood	49.00	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.62	
06 46 36 00-0035	LF	3-1/2" x 3-1/2" Custom Shaped Basswood	46.03	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0036	LF	3-1/2" x 4-1/2" Custom Shaped Basswood	56.34	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.40	
06 46 36 00-0037	LF	3-1/2" x 5-1/2" Custom Shaped Basswood	66.53	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44	
06 46 36 00-0038	LF	3-1/2" x 6-1/2" Custom Shaped Basswood	76.99	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.53	
06 46 36 00-0039	LF	3-1/2" x 7-1/2" Custom Shaped Basswood	87.17	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.56	
06 46 36 00-0040	LF	3-1/2" x 8-1/2" Custom Shaped Basswood	97.59	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.62	
06 46 36 00-0041	LF	3-1/2" x 9-1/2" Custom Shaped Basswood	107.66	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.65	
06 46 36 00-0042	LF	3-1/2" x 10-1/2" Custom Shaped Basswood	117.85	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.68	
06 46 36 00-0043	LF	3-1/2" x 11-1/2" Custom Shaped Basswood	128.31	2.30
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.78	

06 46 36 00-0044 Clear Western Cedar (06 46 36)

06 46 36 00-0045	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar	8.38	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0046	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar	10.34	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0047	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar	12.30	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0048	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar	14.25	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	
06 46 36 00-0049	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar	16.35	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0050	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar	18.46	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0051	LF	1" x 1-1/2" Custom Shaped Clear West Cedar	9.83	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0052	LF	1" x 2-1/2" Custom Shaped Clear West Cedar	12.43	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0053	LF	1" x 3-1/2" Custom Shaped Clear West Cedar	15.05	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0054	LF	1" x 4-1/2" Custom Shaped Clear West Cedar	17.66	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.24	
06 46 36 00-0055	LF	1" x 5-1/2" Custom Shaped Clear West Cedar	20.41	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0056	LF	1" x 6-1/2" Custom Shaped Clear West Cedar	23.18	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38	
06 46 36 00-0057	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar	12.70	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0058	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar	16.67	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0059	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar	20.64	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 36 00-0060	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar	24.61	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0061	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar	28.75	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0062	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar	32.87	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.41	
06 46 36 00-0063	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar	13.04	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0064	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar	17.14	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 36 00-0065	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar	21.22	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26	
06 46 36 00-0066	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar	25.30	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
06 46 36 00-0067	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	29.40 1.34	1.76
06 46 36 00-0068	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	33.77 1.44	1.90
06 46 36 00-0069	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	40.79 1.34	1.76
06 46 36 00-0070	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	49.79 1.40	1.76
06 46 36 00-0071	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	58.67 1.44	1.90
06 46 36 00-0072	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	67.81 1.53	2.03
06 46 36 00-0073	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	76.68 1.56	2.03
06 46 36 00-0074	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	85.69 1.62	2.17
06 46 36 00-0075	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	94.56 1.65	2.17
06 46 36 00-0076	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	103.43 1.68	2.17
06 46 36 00-0077	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar For Curved Surfaces With A 2'-0" Maximum Radius, Add	112.58 1.78	2.30
06 46 36 00-0078 Cherry (06 46 36)				
06 46 36 00-0079	LF	3/4" x 1-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	10.13 1.10	1.49
06 46 36 00-0080	LF	3/4" x 2-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	12.96 1.13	1.49
06 46 36 00-0081	LF	3/4" x 3-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	15.79 1.17	1.49
06 46 36 00-0082	LF	3/4" x 4-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	18.62 1.21	1.63
06 46 36 00-0083	LF	3/4" x 5-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	21.60 1.27	1.63
06 46 36 00-0084	LF	3/4" x 6-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	24.57 1.34	1.76
06 46 36 00-0085	LF	3/4" x 7-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	27.39 1.38	1.76
06 46 36 00-0086	LF	3/4" x 8-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	30.24 1.42	1.76
06 46 36 00-0087	LF	3/4" x 9-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	33.00 1.44	1.90
06 46 36 00-0088	LF	3/4" x 10-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	36.02 1.51	1.90
06 46 36 00-0089	LF	3/4" x 11-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	38.90 1.56	2.03
06 46 36 00-0090	LF	1" x 1-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	12.01 1.13	1.49
06 46 36 00-0091	LF	1" x 2-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	15.71 1.16	1.49
06 46 36 00-0092	LF	1" x 3-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	19.42 1.20	1.63
06 46 36 00-0093	LF	1" x 4-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.12 1.24	1.63
06 46 36 00-0094	LF	1" x 5-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	26.97 1.30	1.76
06 46 36 00-0095	LF	1" x 6-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	30.83 1.38	1.76
06 46 36 00-0096	LF	1" x 7-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	34.51 1.41	1.76
06 46 36 00-0097	LF	1" x 8-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	38.29 1.45	1.90
06 46 36 00-0098	LF	1" x 9-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	41.88 1.47	1.90
06 46 36 00-0099	LF	1" x 10-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	45.76 1.54	2.03
06 46 36 00-0100	LF	1" x 11-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	49.53 1.59	2.03
06 46 36 00-0101	LF	1-1/4" x 1-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	14.06 1.16	1.49
06 46 36 00-0102	LF	1-1/4" x 2-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	18.74 1.20	1.49
06 46 36 00-0103	LF	1-1/4" x 3-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	23.37 1.23	1.63
06 46 36 00-0104	LF	1-1/4" x 4-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	28.05 1.27	1.63
06 46 36 00-0105	LF	1-1/4" x 5-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	32.84 1.34	1.76
06 46 36 00-0106	LF	1-1/4" x 6-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	37.67 1.41	1.76
06 46 36 00-0107	LF	1-1/4" x 7-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	42.29 1.44	1.90
06 46 36 00-0108	LF	1-1/4" x 8-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	47.01 1.48	1.90
06 46 36 00-0109	LF	1-1/4" x 9-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	51.56 1.50	1.90
06 46 36 00-0110	LF	1-1/4" x 10-1/2" Custom Shaped Cherry For Curved Surfaces With A 2'-0" Maximum Radius, Add	56.44 1.58	2.03

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

UNIT COST

DEMOLITION

UNIT COST

06 46 36 00-0111	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	61.12	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.62	
06 46 36 00-0112	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	17.85	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0113	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	24.34	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 36 00-0114	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	30.83	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26	
06 46 36 00-0115	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	37.31	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0116	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	43.82	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0117	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	50.59	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44	
06 46 36 00-0118	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	57.06	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.47	
06 46 36 00-0119	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	63.59	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.51	
06 46 36 00-0120	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	70.01	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.53	
06 46 36 00-0121	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	76.78	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.61	
06 46 36 00-0122	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	83.22	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.66	

06 46 36 00-0123 Cypress (06 46 36)

06 46 36 00-0124	LF	3/4" x 1-1/2" Custom Shaped Cypress	7.84	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0125	LF	3/4" x 2-1/2" Custom Shaped Cypress	9.52	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0126	LF	3/4" x 3-1/2" Custom Shaped Cypress	11.21	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0127	LF	3/4" x 4-1/2" Custom Shaped Cypress	12.89	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	
06 46 36 00-0128	LF	3/4" x 5-1/2" Custom Shaped Cypress	14.71	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0129	LF	3/4" x 6-1/2" Custom Shaped Cypress	16.54	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0130	LF	3/4" x 7-1/2" Custom Shaped Cypress	18.65	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38	
06 46 36 00-0131	LF	3/4" x 8-1/2" Custom Shaped Cypress	20.41	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42	
06 46 36 00-0132	LF	3/4" x 9-1/2" Custom Shaped Cypress	23.72	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44	
06 46 36 00-0133	LF	3/4" x 10-1/2" Custom Shaped Cypress	25.80	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.51	
06 46 36 00-0134	LF	1" x 1-1/2" Custom Shaped Cypress	10.26	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0135	LF	1" x 2-1/2" Custom Shaped Cypress	13.03	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0136	LF	1" x 3-1/2" Custom Shaped Cypress	15.87	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0137	LF	1" x 4-1/2" Custom Shaped Cypress	18.69	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.24	
06 46 36 00-0138	LF	1" x 5-1/2" Custom Shaped Cypress	21.67	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0139	LF	1" x 6-1/2" Custom Shaped Cypress	24.60	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38	
06 46 36 00-0140	LF	1" x 7-1/2" Custom Shaped Cypress	27.41	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.41	
06 46 36 00-0141	LF	1" x 8-1/2" Custom Shaped Cypress	30.26	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.45	
06 46 36 00-0142	LF	1" x 9-1/2" Custom Shaped Cypress	33.03	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.47	
06 46 36 00-0143	LF	1" x 10-1/2" Custom Shaped Cypress	36.09	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.54	
06 46 36 00-0144	LF	1" x 11-1/2" Custom Shaped Cypress	38.88	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.59	
06 46 36 00-0145	LF	1-1/2" x 1-1/2" Custom Shaped Cypress	11.95	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0146	LF	1-1/2" x 2-1/2" Custom Shaped Cypress	15.50	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 36 00-0147	LF	1-1/2" x 3-1/2" Custom Shaped Cypress	19.03	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26	
06 46 36 00-0148	LF	1-1/2" x 4-1/2" Custom Shaped Cypress	22.57	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0149	LF	1-1/2" x 5-1/2" Custom Shaped Cypress	26.13	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0150	LF	1-1/2" x 6-1/2" Custom Shaped Cypress	29.95	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44	
06 46 36 00-0151	LF	1-1/2" x 7-1/2" Custom Shaped Cypress	33.47	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.47	
06 46 36 00-0152	LF	1-1/2" x 8-1/2" Custom Shaped Cypress	37.05	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.51	
06 46 36 00-0153	LF	1-1/2" x 9-1/2" Custom Shaped Cypress	43.80	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.53	
06 46 36 00-0154	LF	1-1/2" x 10-1/2" Custom Shaped Cypress	47.73	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.61	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0155		Honduran Mahogany (06 46 36)		
06 46 36 00-0156	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany	10.79	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.10	
06 46 36 00-0157	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany	13.94	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.13	
06 46 36 00-0158	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany	17.10	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.17	
06 46 36 00-0159	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany	20.26	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.21	
06 46 36 00-0160	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany	23.56	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.27	
06 46 36 00-0161	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany	26.87	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.34	
06 46 36 00-0162	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany	30.01	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.38	
06 46 36 00-0163	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany	33.19	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.42	
06 46 36 00-0164	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany	36.28	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.44	
06 46 36 00-0165	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany	39.62	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.51	
06 46 36 00-0166	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany	42.83	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.56	
06 46 36 00-0167	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany	12.99	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.13	
06 46 36 00-0168	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany	17.13	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.16	
06 46 36 00-0169	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany	21.33	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.20	
06 46 36 00-0170	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany	25.52	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.24	
06 46 36 00-0171	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany	29.86	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.30	
06 46 36 00-0172	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany	34.16	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.38	
06 46 36 00-0173	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany	38.33	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.41	
06 46 36 00-0174	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany	42.55	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.45	
06 46 36 00-0175	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany	46.68	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.47	
06 46 36 00-0176	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany	51.00	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.54	
06 46 36 00-0177	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany	55.81	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.59	
06 46 36 00-0178	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany	14.72	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.16	
06 46 36 00-0179	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany	19.73	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.20	
06 46 36 00-0180	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany	24.68	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.23	
06 46 36 00-0181	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany	29.69	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.27	
06 46 36 00-0182	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany	34.81	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.34	
06 46 36 00-0183	LF	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany	39.97	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.41	
06 46 36 00-0184	LF	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany	44.91	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.44	
06 46 36 00-0185	LF	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany	49.95	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.48	
06 46 36 00-0186	LF	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany	53.75	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.50	
06 46 36 00-0187	LF	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany	60.04	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.58	
06 46 36 00-0188	LF	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany	65.06	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.62	
06 46 36 00-0189	LF	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	18.07	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.19	
06 46 36 00-0190	LF	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	24.67	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.23	
06 46 36 00-0191	LF	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	31.27	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.26	
06 46 36 00-0192	LF	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	37.86	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.30	
06 46 36 00-0193	LF	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	44.47	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.34	
06 46 36 00-0194	LF	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	51.36	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.44	
06 46 36 00-0195	LF	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	57.93	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.47	
06 46 36 00-0196	LF	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	64.58	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.51	
06 46 36 00-0197	LF	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	71.10	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.53	
06 46 36 00-0198	LF	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	77.87	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	1.61	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 46 36 00-0199	LF	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	84.64 1.66	2.17
06 46 36 00-0200	LF	2" x 1-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	21.40 1.22	1.63
06 46 36 00-0201	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	29.62 1.25	1.63
06 46 36 00-0202	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	37.79 1.28	1.63
06 46 36 00-0203	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	46.13 1.34	1.76
06 46 36 00-0204	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	54.30 1.37	1.76
06 46 36 00-0205	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	62.78 1.47	1.90
06 46 36 00-0206	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	70.94 1.50	1.90
06 46 36 00-0207	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	79.30 1.56	2.03
06 46 36 00-0208	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	87.46 1.59	2.03
06 46 36 00-0209	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	95.68 1.62	2.17
06 46 36 00-0210	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	104.12 1.72	2.30
06 46 36 00-0211	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	26.18 1.25	1.63
06 46 36 00-0212	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	35.06 1.28	1.63
06 46 36 00-0213	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	45.02 1.31	1.76
06 46 36 00-0214	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	55.11 1.37	1.76
06 46 36 00-0215	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	65.09 1.41	1.76
06 46 36 00-0216	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	75.31 1.50	1.90
06 46 36 00-0217	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	85.29 1.53	2.03
06 46 36 00-0218	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	95.38 1.59	2.03
06 46 36 00-0219	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	105.35 1.62	2.17
06 46 36 00-0220	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	115.32 1.65	2.17
06 46 36 00-0221	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	125.56 1.75	2.30
06 46 36 00-0222	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	60.89 1.34	1.76
06 46 36 00-0223	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	74.91 1.40	1.76
06 46 36 00-0224	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	88.81 1.44	1.90
06 46 36 00-0225	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	102.98 1.53	2.03
06 46 36 00-0226	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	116.88 1.56	2.03
06 46 36 00-0227	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	130.91 1.62	2.17
06 46 36 00-0228	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	144.80 1.65	2.17
06 46 36 00-0229	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	158.70 1.68	2.17
06 46 36 00-0230	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany For Curved Surfaces With A 2'-0" Maximum Radius, Add	172.87 1.78	2.30

06 46 36 00-0231 Appl Soft Maple (06 46 36)

06 46 36 00-0232	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple	8.38	1.49
06 46 36 00-0233	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple	10.34	1.49
06 46 36 00-0234	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple	12.30	1.49
06 46 36 00-0235	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple	14.25	1.63
06 46 36 00-0236	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple	16.35	1.63
06 46 36 00-0237	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple	18.46	1.76
06 46 36 00-0238	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple	20.40	1.76
06 46 36 00-0239	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple	22.38	1.76
06 46 36 00-0240	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple	24.26	1.90
06 46 36 00-0241	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple	26.40	2.03
06 46 36 00-0242	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple	28.42	2.03
06 46 36 00-0243	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple	9.44	1.49
06 46 36 00-0244	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple	11.83	1.49
06 46 36 00-0245	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple	14.23	1.63
06 46 36 00-0246	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple	16.57	1.63
06 46 36 00-0247	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple	19.21	1.76
06 46 36 00-0248	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple	21.76	1.76
06 46 36 00-0249	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple	24.13	1.76
06 46 36 00-0250	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple	26.55	1.90
06 46 36 00-0251	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple	28.93	1.90
06 46 36 00-0252	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple	31.50	2.03

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
06 46 36 00-0253	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple	33.96		2.03
06 46 36 00-0254	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple	10.46		1.49
06 46 36 00-0255	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple	13.34		1.49
06 46 36 00-0256	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple	16.16		1.63
06 46 36 00-0257	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple	19.04		1.63
06 46 36 00-0258	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple	22.03		1.76
06 46 36 00-0259	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	25.06		1.76
06 46 36 00-0260	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	27.88		1.90
06 46 36 00-0261	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	30.79		1.90
06 46 36 00-0262	LF	1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	33.54		1.90
06 46 36 00-0263	LF	1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	36.61		2.03
06 46 36 00-0264	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	39.50		2.17
06 46 36 00-0265	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	12.39		1.49
06 46 36 00-0266	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	16.15		1.63
06 46 36 00-0267	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	19.91		1.63
06 46 36 00-0268	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	23.66		1.76
06 46 36 00-0269	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	27.44		1.76
06 46 36 00-0270	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	31.48		1.90
06 46 36 00-0271	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	35.21		1.90
06 46 36 00-0272	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	39.02		2.03
06 46 36 00-0273	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	42.70		2.03
06 46 36 00-0274	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	46.64		2.17
06 46 36 00-0275	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	50.45		2.17
06 46 36 00-0276 Clear Yellow Pine (06 46 36)					
06 46 36 00-0277	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	6.96		1.49
06 46 36 00-0278	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	8.21		1.49
06 46 36 00-0279	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	9.46		1.49
06 46 36 00-0280	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	10.70		1.63
06 46 36 00-0281	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	12.09		1.63
06 46 36 00-0282	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	13.49		1.76
06 46 36 00-0283	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	14.72		1.76
06 46 36 00-0284	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	15.99		1.76
06 46 36 00-0285	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	7.91		1.49
06 46 36 00-0286	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	9.59		1.49
06 46 36 00-0287	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	11.23		1.63
06 46 36 00-0288	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	12.91		1.63
06 46 36 00-0289	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	14.68		1.76
06 46 36 00-0290	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	16.52		1.76
06 46 36 00-0291	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	18.67		1.76
06 46 36 00-0292	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	20.43		1.90
06 46 36 00-0293	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	9.11		1.49
06 46 36 00-0294	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	11.24		1.63
06 46 36 00-0295	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	13.35		1.63
06 46 36 00-0296	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	15.47		1.76
06 46 36 00-0297	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	17.61		1.76
06 46 36 00-0298	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	20.01		1.90
06 46 36 00-0299	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	22.11		1.90
06 46 36 00-0300	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	24.27		2.03
06 46 36 00-0301	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	27.96		2.03
06 46 36 00-0302	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	28.83		2.17
06 46 36 00-0303 Poplar (06 46 36)					
06 46 36 00-0304	LF	3/4" x 1-1/2" Custom Shaped Poplar	7.29		1.49
06 46 36 00-0305	LF	3/4" x 2-1/2" Custom Shaped Poplar	8.70		1.49
06 46 36 00-0306	LF	3/4" x 3-1/2" Custom Shaped Poplar	10.11		1.49
06 46 36 00-0307	LF	3/4" x 4-1/2" Custom Shaped Poplar	11.52		1.63
06 46 36 00-0308	LF	3/4" x 5-1/2" Custom Shaped Poplar	13.08		1.63
06 46 36 00-0309	LF	3/4" x 6-1/2" Custom Shaped Poplar	14.63		1.76
06 46 36 00-0310	LF	3/4" x 7-1/2" Custom Shaped Poplar	16.03		1.76
06 46 36 00-0311	LF	3/4" x 8-1/2" Custom Shaped Poplar	17.46		1.76
06 46 36 00-0312	LF	3/4" x 9-1/2" Custom Shaped Poplar	18.80		1.90
06 46 36 00-0313	LF	3/4" x 10-1/2" Custom Shaped Poplar	20.40		2.03
06 46 36 00-0314	LF	3/4" x 11-1/2" Custom Shaped Poplar	21.97		2.03
06 46 36 00-0315	LF	1" x 1-1/2" Custom Shaped Poplar	8.35		1.49
06 46 36 00-0316	LF	1" x 2-1/2" Custom Shaped Poplar	10.19		1.49
06 46 36 00-0317	LF	1" x 3-1/2" Custom Shaped Poplar	12.05		1.63
06 46 36 00-0318	LF	1" x 4-1/2" Custom Shaped Poplar	13.89		1.63
06 46 36 00-0319	LF	1" x 5-1/2" Custom Shaped Poplar	15.94		1.76
06 46 36 00-0320	LF	1" x 6-1/2" Custom Shaped Poplar	17.94		1.76
06 46 36 00-0321	LF	1" x 7-1/2" Custom Shaped Poplar	19.76		1.76
06 46 36 00-0322	LF	1" x 8-1/2" Custom Shaped Poplar	21.64		1.90
06 46 36 00-0323	LF	1" x 9-1/2" Custom Shaped Poplar	23.47		1.90
06 46 36 00-0324	LF	1" x 10-1/2" Custom Shaped Poplar	25.50		2.03
06 46 36 00-0325	LF	1" x 11-1/2" Custom Shaped Poplar	27.41		2.03
06 46 36 00-0326	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	9.31		1.49
06 46 36 00-0327	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	11.59		1.49
06 46 36 00-0328	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	13.87		1.63
06 46 36 00-0329	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	16.15		1.63
06 46 36 00-0330	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	18.59		1.76
06 46 36 00-0331	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	21.02		1.76
06 46 36 00-0332	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	23.29		1.90
06 46 36 00-0333	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	25.60		1.90

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0334	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	27.81	1.90
06 46 36 00-0335	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	30.28	2.03
06 46 36 00-0336	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	32.62	2.17
06 46 36 00-0337	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	11.51	1.49
06 46 36 00-0338	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	14.84	1.63
06 46 36 00-0339	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	18.16	1.63
06 46 36 00-0340	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	21.48	1.76
06 46 36 00-0341	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	24.81	1.76
06 46 36 00-0342	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	28.42	1.90
06 46 36 00-0343	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	31.72	1.90
06 46 36 00-0344	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	35.09	2.03
06 46 36 00-0345	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	38.33	2.03
06 46 36 00-0346	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	41.83	2.17
06 46 36 00-0347	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	45.21	2.17
06 46 36 00-0348	LF	2" x 1-1/2" Custom Shaped Poplar	14.85	1.63
06 46 36 00-0349	LF	2" x 2-1/2" Custom Shaped Poplar	19.79	1.63
06 46 36 00-0350	LF	2" x 3-1/2" Custom Shaped Poplar	24.68	1.63
06 46 36 00-0351	LF	2" x 4-1/2" Custom Shaped Poplar	29.75	1.76
06 46 36 00-0352	LF	2" x 5-1/2" Custom Shaped Poplar	34.64	1.76
06 46 36 00-0353	LF	2" x 6-1/2" Custom Shaped Poplar	39.85	1.90
06 46 36 00-0354	LF	2" x 7-1/2" Custom Shaped Poplar	44.73	1.90
06 46 36 00-0355	LF	2" x 8-1/2" Custom Shaped Poplar	49.81	2.03
06 46 36 00-0356	LF	2" x 9-1/2" Custom Shaped Poplar	54.69	2.03
06 46 36 00-0357	LF	2" x 10-1/2" Custom Shaped Poplar	59.64	2.17
06 46 36 00-0358	LF	2" x 11-1/2" Custom Shaped Poplar	64.80	2.30
06 46 36 00-0359	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	18.21	1.63
06 46 36 00-0360	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	24.74	1.63
06 46 36 00-0361	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	31.26	1.76
06 46 36 00-0362	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	37.91	1.76
06 46 36 00-0363	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	44.45	1.76
06 46 36 00-0364	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	51.23	1.90
06 46 36 00-0365	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	57.77	2.03
06 46 36 00-0366	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	64.41	2.03
06 46 36 00-0367	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	70.94	2.17
06 46 36 00-0368	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	77.47	2.17
06 46 36 00-0369	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	84.27	2.30
06 46 36 00-0370	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	42.54	1.76
06 46 36 00-0371	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	51.97	1.76
06 46 36 00-0372	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	61.29	1.90
06 46 36 00-0373	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	70.98	2.03
06 46 36 00-0374	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	80.18	2.03
06 46 36 00-0375	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	89.62	2.17
06 46 36 00-0376	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	98.93	2.17
06 46 36 00-0377	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	108.24	2.17
06 46 36 00-0378	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	117.83	2.30

06 46 36 00-0379 Teak (06 46 36)

06 46 36 00-0380	LF	3/4" x 1-1/2" Custom Shaped Teak	23.46	1.49
06 46 36 00-0381	LF	3/4" x 2-1/2" Custom Shaped Teak	32.95	1.49
06 46 36 00-0382	LF	3/4" x 3-1/2" Custom Shaped Teak	42.44	1.49
06 46 36 00-0383	LF	3/4" x 4-1/2" Custom Shaped Teak	51.93	1.63
06 46 36 00-0384	LF	3/4" x 5-1/2" Custom Shaped Teak	61.57	1.63
06 46 36 00-0385	LF	3/4" x 6-1/2" Custom Shaped Teak	71.21	1.76
06 46 36 00-0386	LF	3/4" x 7-1/2" Custom Shaped Teak	80.69	1.76
06 46 36 00-0387	LF	3/4" x 8-1/2" Custom Shaped Teak	90.21	1.76
06 46 36 00-0388	LF	3/4" x 9-1/2" Custom Shaped Teak	99.62	1.90
06 46 36 00-0389	LF	3/4" x 10-1/2" Custom Shaped Teak	109.30	2.03
06 46 36 00-0390	LF	3/4" x 11-1/2" Custom Shaped Teak	118.85	2.03
06 46 36 00-0391	LF	1-1/2" x 1-1/2" Custom Shaped Teak	53.46	1.49
06 46 36 00-0392	LF	1-1/2" x 2-1/2" Custom Shaped Teak	61.37	1.63
06 46 36 00-0393	LF	1-1/2" x 3-1/2" Custom Shaped Teak	80.20	1.63
06 46 36 00-0394	LF	1-1/2" x 4-1/2" Custom Shaped Teak	99.02	1.76
06 46 36 00-0395	LF	1-1/2" x 5-1/2" Custom Shaped Teak	117.87	1.76
06 46 36 00-0396	LF	1-1/2" x 6-1/2" Custom Shaped Teak	136.44	1.90
06 46 36 00-0397	LF	1-1/2" x 7-1/2" Custom Shaped Teak	155.79	1.90
06 46 36 00-0398	LF	1-1/2" x 8-1/2" Custom Shaped Teak	174.67	2.03
06 46 36 00-0399	LF	1-1/2" x 9-1/2" Custom Shaped Teak	193.43	2.03
06 46 36 00-0400	LF	1-1/2" x 10-1/2" Custom Shaped Teak	212.44	2.17
06 46 36 00-0401	LF	1-1/2" x 11-1/2" Custom Shaped Teak	231.32	2.17

06 46 36 00-0402 Ash (06 46 36)

06 46 36 00-0403	LF	3/4" x 1-1/2" Custom Shaped Ash	9.37	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0404	LF	3/4" x 2-1/2" Custom Shaped Ash	11.81	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0405	LF	3/4" x 3-1/2" Custom Shaped Ash	14.26	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0406	LF	3/4" x 4-1/2" Custom Shaped Ash	16.71	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	
06 46 36 00-0407	LF	3/4" x 5-1/2" Custom Shaped Ash	19.30	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0408	LF	3/4" x 6-1/2" Custom Shaped Ash	21.90	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0409	LF	3/4" x 7-1/2" Custom Shaped Ash	.....	24.33	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.38	
06 46 36 00-0410	LF	3/4" x 8-1/2" Custom Shaped Ash	.....	26.80	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.42	
06 46 36 00-0411	LF	3/4" x 9-1/2" Custom Shaped Ash	.....	29.18	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.44	
06 46 36 00-0412	LF	3/4" x 10-1/2" Custom Shaped Ash	.....	31.81	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.51	
06 46 36 00-0413	LF	3/4" x 11-1/2" Custom Shaped Ash	.....	34.31	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.56	
06 46 36 00-0414	LF	1" x 1-1/2" Custom Shaped Ash	.....	11.08	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.13	
06 46 36 00-0415	LF	1" x 2-1/2" Custom Shaped Ash	.....	14.29	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.16	
06 46 36 00-0416	LF	1" x 3-1/2" Custom Shaped Ash	.....	17.51	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.20	
06 46 36 00-0417	LF	1" x 4-1/2" Custom Shaped Ash	.....	20.72	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.24	
06 46 36 00-0418	LF	1" x 5-1/2" Custom Shaped Ash	.....	24.13	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.30	
06 46 36 00-0419	LF	1" x 6-1/2" Custom Shaped Ash	.....	27.50	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.38	
06 46 36 00-0420	LF	1" x 7-1/2" Custom Shaped Ash	.....	30.68	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.41	
06 46 36 00-0421	LF	1" x 8-1/2" Custom Shaped Ash	.....	33.92	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.45	
06 46 36 00-0422	LF	1" x 9-1/2" Custom Shaped Ash	.....	37.13	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.47	
06 46 36 00-0423	LF	1" x 10-1/2" Custom Shaped Ash	.....	40.51	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.54	
06 46 36 00-0424	LF	1" x 11-1/2" Custom Shaped Ash	.....	43.79	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.59	
06 46 36 00-0425	LF	1-1/4" x 1-1/2" Custom Shaped Ash	.....	13.24	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.16	
06 46 36 00-0426	LF	1-1/4" x 2-1/2" Custom Shaped Ash	.....	17.49	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.20	
06 46 36 00-0427	LF	1-1/4" x 3-1/2" Custom Shaped Ash	.....	21.73	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.23	
06 46 36 00-0428	LF	1-1/4" x 4-1/2" Custom Shaped Ash	.....	25.98	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.27	
06 46 36 00-0429	LF	1-1/4" x 5-1/2" Custom Shaped Ash	.....	30.38	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.34	
06 46 36 00-0430	LF	1-1/4" x 6-1/2" Custom Shaped Ash	.....	34.78	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.41	
06 46 36 00-0431	LF	1-1/4" x 7-1/2" Custom Shaped Ash	.....	39.02	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.44	
06 46 36 00-0432	LF	1-1/4" x 8-1/2" Custom Shaped Ash	.....	43.29	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.48	
06 46 36 00-0433	LF	1-1/4" x 9-1/2" Custom Shaped Ash	.....	47.47	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.50	
06 46 36 00-0434	LF	1-1/4" x 10-1/2" Custom Shaped Ash	.....	51.90	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.58	
06 46 36 00-0435	LF	1-1/4" x 11-1/2" Custom Shaped Ash	.....	56.21	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.62	
06 46 36 00-0436	LF	1-1/2" x 1-1/2" Custom Shaped Ash	.....	16.32	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.19	
06 46 36 00-0437	LF	1-1/2" x 2-1/2" Custom Shaped Ash	.....	22.05	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.23	
06 46 36 00-0438	LF	1-1/2" x 3-1/2" Custom Shaped Ash	.....	27.77	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.26	
06 46 36 00-0439	LF	1-1/2" x 4-1/2" Custom Shaped Ash	.....	33.49	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.30	
06 46 36 00-0440	LF	1-1/2" x 5-1/2" Custom Shaped Ash	.....	39.23	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.34	
06 46 36 00-0441	LF	1-1/2" x 6-1/2" Custom Shaped Ash	.....	45.24	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.44	
06 46 36 00-0442	LF	1-1/2" x 7-1/2" Custom Shaped Ash	.....	51.05	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.47	
06 46 36 00-0443	LF	1-1/2" x 8-1/2" Custom Shaped Ash	.....	56.71	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.51	
06 46 36 00-0444	LF	1-1/2" x 9-1/2" Custom Shaped Ash	.....	62.36	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.53	
06 46 36 00-0445	LF	1-1/2" x 10-1/2" Custom Shaped Ash	.....	68.81	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.61	
06 46 36 00-0446	LF	1-1/2" x 11-1/2" Custom Shaped Ash	.....	74.04	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.66	
06 46 36 00-0447 Birch (06 46 36)					
06 46 36 00-0448	LF	3/4" x 1-1/2" Custom Shaped Birch	.....	8.38	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.10	
06 46 36 00-0449	LF	3/4" x 2-1/2" Custom Shaped Birch	.....	10.34	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.13	
06 46 36 00-0450	LF	3/4" x 3-1/2" Custom Shaped Birch	.....	12.30	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.17	
06 46 36 00-0451	LF	3/4" x 4-1/2" Custom Shaped Birch	.....	14.25	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.21	
06 46 36 00-0452	LF	3/4" x 5-1/2" Custom Shaped Birch	.....	16.35	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.27	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 46 36 00-0453	LF	3/4" x 6-1/2" Custom Shaped Birch.....	18.46	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0454	LF	3/4" x 7-1/2" Custom Shaped Birch.....	20.40	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38	
06 46 36 00-0455	LF	3/4" x 8-1/2" Custom Shaped Birch.....	22.38	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.42	
06 46 36 00-0456	LF	3/4" x 9-1/2" Custom Shaped Birch.....	24.26	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44	
06 46 36 00-0457	LF	3/4" x 10-1/2" Custom Shaped Birch.....	26.40	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.51	
06 46 36 00-0458	LF	3/4" x 11-1/2" Custom Shaped Birch.....	28.42	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.56	
06 46 36 00-0459	LF	1" x 1-1/2" Custom Shaped Birch.....	9.72	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0460	LF	1" x 2-1/2" Custom Shaped Birch.....	12.21	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0461	LF	1" x 3-1/2" Custom Shaped Birch.....	14.78	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0462	LF	1" x 4-1/2" Custom Shaped Birch.....	17.33	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.24	
06 46 36 00-0463	LF	1" x 5-1/2" Custom Shaped Birch.....	20.03	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0464	LF	1" x 6-1/2" Custom Shaped Birch.....	22.69	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.38	
06 46 36 00-0465	LF	1" x 7-1/2" Custom Shaped Birch.....	25.22	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.41	
06 46 36 00-0466	LF	1" x 8-1/2" Custom Shaped Birch.....	27.81	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.45	
06 46 36 00-0467	LF	1" x 9-1/2" Custom Shaped Birch.....	30.30	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.47	
06 46 36 00-0468	LF	1" x 10-1/2" Custom Shaped Birch.....	32.98	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.54	
06 46 36 00-0469	LF	1" x 11-1/2" Custom Shaped Birch.....	35.60	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.59	
06 46 36 00-0470	LF	1-1/4" x 1-1/2" Custom Shaped Birch.....	11.28	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.16	
06 46 36 00-0471	LF	1-1/4" x 2-1/2" Custom Shaped Birch.....	14.54	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.20	
06 46 36 00-0472	LF	1-1/4" x 3-1/2" Custom Shaped Birch.....	17.80	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 36 00-0473	LF	1-1/4" x 4-1/2" Custom Shaped Birch.....	21.06	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.27	
06 46 36 00-0474	LF	1-1/4" x 5-1/2" Custom Shaped Birch.....	24.49	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0475	LF	1-1/4" x 6-1/2" Custom Shaped Birch.....	27.90	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.41	
06 46 36 00-0476	LF	1-1/4" x 7-1/2" Custom Shaped Birch.....	31.15	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44	
06 46 36 00-0477	LF	1-1/4" x 8-1/2" Custom Shaped Birch.....	34.45	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.48	
06 46 36 00-0478	LF	1-1/4" x 9-1/2" Custom Shaped Birch.....	37.64	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.50	
06 46 36 00-0479	LF	1-1/4" x 10-1/2" Custom Shaped Birch.....	41.09	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.58	
06 46 36 00-0480	LF	1-1/4" x 11-1/2" Custom Shaped Birch.....	44.41	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.62	
06 46 36 00-0481	LF	1-1/2" x 1-1/2" Custom Shaped Birch.....	13.70	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.19	
06 46 36 00-0482	LF	1-1/2" x 2-1/2" Custom Shaped Birch.....	18.12	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.23	
06 46 36 00-0483	LF	1-1/2" x 3-1/2" Custom Shaped Birch.....	22.53	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26	
06 46 36 00-0484	LF	1-1/2" x 4-1/2" Custom Shaped Birch.....	26.94	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.30	
06 46 36 00-0485	LF	1-1/2" x 5-1/2" Custom Shaped Birch.....	31.37	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0486	LF	1-1/2" x 6-1/2" Custom Shaped Birch.....	36.07	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44	
06 46 36 00-0487	LF	1-1/2" x 7-1/2" Custom Shaped Birch.....	40.46	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.47	
06 46 36 00-0488	LF	1-1/2" x 8-1/2" Custom Shaped Birch.....	44.92	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.51	
06 46 36 00-0489	LF	1-1/2" x 9-1/2" Custom Shaped Birch.....	49.26	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.53	
06 46 36 00-0490	LF	1-1/2" x 10-1/2" Custom Shaped Birch.....	54.39	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.61	
06 46 36 00-0491	LF	1-1/2" x 11-1/2" Custom Shaped Birch.....	58.32	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.66	

06 46 36 00-0492 Fir (06 46 36)

06 46 36 00-0493	LF	3/4" x 1-1/2" Custom Shaped Fir.....	8.71	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 46 36 00-0494	LF	3/4" x 2-1/2" Custom Shaped Fir.....	10.83	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.13	
06 46 36 00-0495	LF	3/4" x 3-1/2" Custom Shaped Fir.....	12.95	1.49
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.17	
06 46 36 00-0496	LF	3/4" x 4-1/2" Custom Shaped Fir.....	15.07	1.63
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0497	LF	3/4" x 5-1/2" Custom Shaped Fir	.....	17.34	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.27	
06 46 36 00-0498	LF	3/4" x 6-1/2" Custom Shaped Fir	.....	19.60	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.34	
06 46 36 00-0499	LF	3/4" x 7-1/2" Custom Shaped Fir	.....	21.71	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.38	
06 46 36 00-0500	LF	3/4" x 8-1/2" Custom Shaped Fir	.....	23.85	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.42	
06 46 36 00-0501	LF	3/4" x 9-1/2" Custom Shaped Fir	.....	25.90	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.44	
06 46 36 00-0502	LF	3/4" x 10-1/2" Custom Shaped Fir	.....	28.21	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.51	
06 46 36 00-0503	LF	1" x 1-1/2" Custom Shaped Fir	.....	10.26	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.13	
06 46 36 00-0504	LF	1" x 2-1/2" Custom Shaped Fir	.....	13.03	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.16	
06 46 36 00-0505	LF	1" x 3-1/2" Custom Shaped Fir	.....	15.87	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.20	
06 46 36 00-0506	LF	1" x 4-1/2" Custom Shaped Fir	.....	18.69	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.24	
06 46 36 00-0507	LF	1" x 5-1/2" Custom Shaped Fir	.....	21.67	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.30	
06 46 36 00-0508	LF	1" x 6-1/2" Custom Shaped Fir	.....	24.60	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.38	
06 46 36 00-0509	LF	1" x 7-1/2" Custom Shaped Fir	.....	27.41	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.41	
06 46 36 00-0510	LF	1" x 8-1/2" Custom Shaped Fir	.....	30.26	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.45	
06 46 36 00-0511	LF	1" x 9-1/2" Custom Shaped Fir	.....	33.03	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.47	
06 46 36 00-0512	LF	1" x 10-1/2" Custom Shaped Fir	.....	36.09	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.54	
06 46 36 00-0513	LF	1" x 11-1/2" Custom Shaped Fir	.....	38.88	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.59	
06 46 36 00-0514	LF	1-1/4" x 1-1/2" Custom Shaped Fir	.....	11.44	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.16	
06 46 36 00-0515	LF	1-1/4" x 2-1/2" Custom Shaped Fir	.....	14.81	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.20	
06 46 36 00-0516	LF	1-1/4" x 3-1/2" Custom Shaped Fir	.....	18.13	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.23	
06 46 36 00-0517	LF	1-1/4" x 4-1/2" Custom Shaped Fir	.....	21.50	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.27	
06 46 36 00-0518	LF	1-1/4" x 5-1/2" Custom Shaped Fir	.....	24.98	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.34	
06 46 36 00-0519	LF	1-1/4" x 6-1/2" Custom Shaped Fir	.....	28.50	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.41	
06 46 36 00-0520	LF	1-1/4" x 7-1/2" Custom Shaped Fir	.....	31.81	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.44	
06 46 36 00-0521	LF	1-1/4" x 8-1/2" Custom Shaped Fir	.....	35.21	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.48	
06 46 36 00-0522	LF	1-1/4" x 9-1/2" Custom Shaped Fir	.....	38.46	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.50	
06 46 36 00-0523	LF	1-1/4" x 10-1/2" Custom Shaped Fir	.....	42.02	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.58	
06 46 36 00-0524	LF	1-1/4" x 11-1/2" Custom Shaped Fir	.....	45.40	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.62	
06 46 36 00-0525	LF	1-1/2" x 1-1/2" Custom Shaped Fir	.....	13.04	1.49
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.19	
06 46 36 00-0526	LF	1-1/2" x 2-1/2" Custom Shaped Fir	.....	17.14	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.23	
06 46 36 00-0527	LF	1-1/2" x 3-1/2" Custom Shaped Fir	.....	21.22	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.26	
06 46 36 00-0528	LF	1-1/2" x 4-1/2" Custom Shaped Fir	.....	25.30	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.30	
06 46 36 00-0529	LF	1-1/2" x 5-1/2" Custom Shaped Fir	.....	29.40	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.34	
06 46 36 00-0530	LF	1-1/2" x 6-1/2" Custom Shaped Fir	.....	33.77	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.44	
06 46 36 00-0531	LF	1-1/2" x 7-1/2" Custom Shaped Fir	.....	37.84	1.90
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.47	
06 46 36 00-0532	LF	1-1/2" x 8-1/2" Custom Shaped Fir	.....	41.97	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.51	
06 46 36 00-0533	LF	1-1/2" x 9-1/2" Custom Shaped Fir	.....	45.98	2.03
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.53	
06 46 36 00-0534	LF	1-1/2" x 10-1/2" Custom Shaped Fir	.....	50.24	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.61	
06 46 36 00-0535	LF	1-1/2" x 11-1/2" Custom Shaped Fir	.....	54.38	2.17
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.66	
06 46 36 00-0536	LF	2-1/2" x 1-1/2" Custom Shaped Fir	.....	21.16	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.25	
06 46 36 00-0537	LF	2-1/2" x 2-1/2" Custom Shaped Fir	.....	29.16	1.63
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.28	
06 46 36 00-0538	LF	2-1/2" x 3-1/2" Custom Shaped Fir	.....	37.16	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.31	
06 46 36 00-0539	LF	2-1/2" x 4-1/2" Custom Shaped Fir	.....	45.28	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.37	
06 46 36 00-0540	LF	2-1/2" x 5-1/2" Custom Shaped Fir	.....	53.29	1.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	.....	1.41	

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 46 36 00-0541	LF	2-1/2" x 6-1/2" Custom Shaped Fir	61.55	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.50	
06 46 36 00-0542	LF	2-1/2" x 7-1/2" Custom Shaped Fir	69.56	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.53	
06 46 36 00-0543	LF	2-1/2" x 8-1/2" Custom Shaped Fir	77.79	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.59	
06 46 36 00-0544	LF	2-1/2" x 9-1/2" Custom Shaped Fir	85.69	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.62	
06 46 36 00-0545	LF	2-1/2" x 10-1/2" Custom Shaped Fir	93.69	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.65	
06 46 36 00-0546	LF	3-1/2" x 3-1/2" Custom Shaped Fir	46.14	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.34	
06 46 36 00-0547	LF	3-1/2" x 4-1/2" Custom Shaped Fir	56.34	1.76
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.40	
06 46 36 00-0548	LF	3-1/2" x 5-1/2" Custom Shaped Fir	66.53	1.90
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.44	
06 46 36 00-0549	LF	3-1/2" x 6-1/2" Custom Shaped Fir	76.99	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.53	
06 46 36 00-0550	LF	3-1/2" x 7-1/2" Custom Shaped Fir	87.17	2.03
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.56	
06 46 36 00-0551	LF	3-1/2" x 8-1/2" Custom Shaped Fir	97.49	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.62	
06 46 36 00-0552	LF	3-1/2" x 9-1/2" Custom Shaped Fir	107.66	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.65	
06 46 36 00-0553	LF	3-1/2" x 10-1/2" Custom Shaped Fir	117.85	2.17
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.68	

06 46 36 00-0554 Maple (06 46 36)

06 46 36 00-0555	LF	3/4" x 1-1/2" Custom Shaped Maple	8.28	1.49
06 46 36 00-0556	LF	3/4" x 2-1/2" Custom Shaped Maple	10.17	1.49
06 46 36 00-0557	LF	3/4" x 3-1/2" Custom Shaped Maple	12.08	1.49
06 46 36 00-0558	LF	3/4" x 4-1/2" Custom Shaped Maple	13.98	1.63
06 46 36 00-0559	LF	3/4" x 5-1/2" Custom Shaped Maple	16.03	1.63
06 46 36 00-0560	LF	3/4" x 6-1/2" Custom Shaped Maple	18.07	1.76
06 46 36 00-0561	LF	3/4" x 7-1/2" Custom Shaped Maple	19.96	1.76
06 46 36 00-0562	LF	3/4" x 8-1/2" Custom Shaped Maple	21.89	1.76
06 46 36 00-0563	LF	3/4" x 9-1/2" Custom Shaped Maple	23.72	1.90
06 46 36 00-0564	LF	3/4" x 10-1/2" Custom Shaped Maple	25.80	2.03
06 46 36 00-0565	LF	3/4" x 11-1/2" Custom Shaped Maple	27.76	2.03
06 46 36 00-0566	LF	1" x 1-1/2" Custom Shaped Maple	9.72	1.49
06 46 36 00-0567	LF	1" x 2-1/2" Custom Shaped Maple	12.21	1.49
06 46 36 00-0568	LF	1" x 3-1/2" Custom Shaped Maple	14.78	1.63
06 46 36 00-0569	LF	1" x 4-1/2" Custom Shaped Maple	17.33	1.63
06 46 36 00-0570	LF	1" x 5-1/2" Custom Shaped Maple	20.03	1.76
06 46 36 00-0571	LF	1" x 6-1/2" Custom Shaped Maple	22.69	1.76
06 46 36 00-0572	LF	1" x 7-1/2" Custom Shaped Maple	25.22	1.76
06 46 36 00-0573	LF	1" x 8-1/2" Custom Shaped Maple	27.81	1.90
06 46 36 00-0574	LF	1" x 9-1/2" Custom Shaped Maple	30.30	1.90
06 46 36 00-0575	LF	1" x 10-1/2" Custom Shaped Maple	31.89	2.03
06 46 36 00-0576	LF	1" x 11-1/2" Custom Shaped Maple	35.60	2.03
06 46 36 00-0577	LF	1-1/4" x 1-1/2" Custom Shaped Maple	10.95	1.49
06 46 36 00-0578	LF	1-1/4" x 2-1/2" Custom Shaped Maple	14.05	1.49
06 46 36 00-0579	LF	1-1/4" x 3-1/2" Custom Shaped Maple	17.15	1.63
06 46 36 00-0580	LF	1-1/4" x 4-1/2" Custom Shaped Maple	20.24	1.63
06 46 36 00-0581	LF	1-1/4" x 5-1/2" Custom Shaped Maple	23.50	1.76
06 46 36 00-0582	LF	1-1/4" x 6-1/2" Custom Shaped Maple	26.75	1.76
06 46 36 00-0583	LF	1-1/4" x 7-1/2" Custom Shaped Maple	29.84	1.90
06 46 36 00-0584	LF	1-1/4" x 8-1/2" Custom Shaped Maple	32.97	1.90
06 46 36 00-0585	LF	1-1/4" x 9-1/2" Custom Shaped Maple	36.00	1.90
06 46 36 00-0586	LF	1-1/4" x 10-1/2" Custom Shaped Maple	39.29	2.03
06 46 36 00-0587	LF	1-1/4" x 11-1/2" Custom Shaped Maple	42.45	2.17
06 46 36 00-0588	LF	1-1/2" x 1-1/2" Custom Shaped Maple	13.48	1.49
06 46 36 00-0589	LF	1-1/2" x 2-1/2" Custom Shaped Maple	17.79	1.63
06 46 36 00-0590	LF	1-1/2" x 3-1/2" Custom Shaped Maple	22.09	1.63
06 46 36 00-0591	LF	1-1/2" x 4-1/2" Custom Shaped Maple	26.39	1.76
06 46 36 00-0592	LF	1-1/2" x 5-1/2" Custom Shaped Maple	30.71	1.76
06 46 36 00-0593	LF	1-1/2" x 6-1/2" Custom Shaped Maple	35.30	1.90
06 46 36 00-0594	LF	1-1/2" x 7-1/2" Custom Shaped Maple	39.58	1.90
06 46 36 00-0595	LF	1-1/2" x 8-1/2" Custom Shaped Maple	44.48	2.03
06 46 36 00-0596	LF	1-1/2" x 9-1/2" Custom Shaped Maple	48.16	2.03
06 46 36 00-0597	LF	1-1/2" x 10-1/2" Custom Shaped Maple	52.75	2.17
06 46 36 00-0598	LF	1-1/2" x 11-1/2" Custom Shaped Maple	57.00	2.17
06 46 36 00-0599	LF	2" x 1-1/2" Custom Shaped Maple	17.58	1.63
06 46 36 00-0600	LF	2" x 2-1/2" Custom Shaped Maple	23.89	1.63
06 46 36 00-0601	LF	2" x 3-1/2" Custom Shaped Maple	30.14	1.63
06 46 36 00-0602	LF	2" x 4-1/2" Custom Shaped Maple	36.58	1.76
06 46 36 00-0603	LF	2" x 5-1/2" Custom Shaped Maple	42.83	1.76
06 46 36 00-0604	LF	2" x 6-1/2" Custom Shaped Maple	49.40	1.90
06 46 36 00-0605	LF	2" x 7-1/2" Custom Shaped Maple	55.65	1.90
06 46 36 00-0606	LF	2" x 8-1/2" Custom Shaped Maple	62.10	2.03
06 46 36 00-0607	LF	2" x 9-1/2" Custom Shaped Maple	68.35	2.03
06 46 36 00-0608	LF	2" x 10-1/2" Custom Shaped Maple	74.66	2.17
06 46 36 00-0609	LF	2" x 11-1/2" Custom Shaped Maple	81.73	2.30
06 46 36 00-0610	LF	3-1/2" x 3-1/2" Custom Shaped Maple	65.26	1.76
06 46 36 00-0611	LF	3-1/2" x 4-1/2" Custom Shaped Maple	80.37	1.76

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0612	LF		3-1/2" x 5-1/2" Custom Shaped Maple.....	95.36	1.90
06 46 36 00-0613	LF		3-1/2" x 6-1/2" Custom Shaped Maple.....	110.63	2.03
06 46 36 00-0614	LF		3-1/2" x 7-1/2" Custom Shaped Maple.....	125.61	2.03
06 46 36 00-0615	LF		3-1/2" x 8-1/2" Custom Shaped Maple.....	140.74	2.17
06 46 36 00-0616	LF		3-1/2" x 9-1/2" Custom Shaped Maple.....	155.72	2.17
06 46 36 00-0617	LF		3-1/2" x 10-1/2" Custom Shaped Maple.....	170.71	2.17
06 46 36 00-0618	LF		3-1/2" x 11-1/2" Custom Shaped Maple.....	185.98	2.30
06 46 36 00-0619 Red Oak (06 46 36)					
06 46 36 00-0620	LF		3/4" x 1-1/2" Custom Shaped Red Oak.....	8.93	1.49
06 46 36 00-0621	LF		3/4" x 2-1/2" Custom Shaped Red Oak.....	11.16	1.49
06 46 36 00-0622	LF		3/4" x 3-1/2" Custom Shaped Red Oak.....	13.39	1.49
06 46 36 00-0623	LF		3/4" x 4-1/2" Custom Shaped Red Oak.....	15.62	1.63
06 46 36 00-0624	LF		3/4" x 5-1/2" Custom Shaped Red Oak.....	17.99	1.63
06 46 36 00-0625	LF		3/4" x 6-1/2" Custom Shaped Red Oak.....	20.37	1.76
06 46 36 00-0626	LF		3/4" x 7-1/2" Custom Shaped Red Oak.....	22.58	1.76
06 46 36 00-0627	LF		3/4" x 8-1/2" Custom Shaped Red Oak.....	24.84	1.76
06 46 36 00-0628	LF		3/4" x 9-1/2" Custom Shaped Red Oak.....	26.99	1.90
06 46 36 00-0629	LF		3/4" x 10-1/2" Custom Shaped Red Oak.....	29.41	2.03
06 46 36 00-0630	LF		3/4" x 11-1/2" Custom Shaped Red Oak.....	31.69	2.03
06 46 36 00-0631	LF		1" x 1-1/2" Custom Shaped Red Oak.....	10.64	1.49
06 46 36 00-0632	LF		1" x 2-1/2" Custom Shaped Red Oak.....	13.69	1.49
06 46 36 00-0633	LF		1" x 3-1/2" Custom Shaped Red Oak.....	16.69	1.63
06 46 36 00-0634	LF		1" x 4-1/2" Custom Shaped Red Oak.....	20.82	1.63
06 46 36 00-0635	LF		1" x 5-1/2" Custom Shaped Red Oak.....	22.87	1.76
06 46 36 00-0636	LF		1" x 6-1/2" Custom Shaped Red Oak.....	26.08	1.76
06 46 36 00-0637	LF		1" x 7-1/2" Custom Shaped Red Oak.....	29.05	1.76
06 46 36 00-0638	LF		1" x 8-1/2" Custom Shaped Red Oak.....	32.07	1.90
06 46 36 00-0639	LF		1" x 9-1/2" Custom Shaped Red Oak.....	35.05	1.90
06 46 36 00-0640	LF		1" x 10-1/2" Custom Shaped Red Oak.....	38.27	2.03
06 46 36 00-0641	LF		1" x 11-1/2" Custom Shaped Red Oak.....	41.33	2.03
06 46 36 00-0642	LF		1-1/4" x 1-1/2" Custom Shaped Red Oak.....	13.08	1.49
06 46 36 00-0643	LF		1-1/4" x 2-1/2" Custom Shaped Red Oak.....	17.27	1.49
06 46 36 00-0644	LF		1-1/4" x 3-1/2" Custom Shaped Red Oak.....	21.41	1.63
06 46 36 00-0645	LF		1-1/4" x 4-1/2" Custom Shaped Red Oak.....	25.60	1.63
06 46 36 00-0646	LF		1-1/4" x 5-1/2" Custom Shaped Red Oak.....	29.89	1.76
06 46 36 00-0647	LF		1-1/4" x 6-1/2" Custom Shaped Red Oak.....	34.23	1.76
06 46 36 00-0648	LF		1-1/4" x 7-1/2" Custom Shaped Red Oak.....	38.36	1.90
06 46 36 00-0649	LF		1-1/4" x 8-1/2" Custom Shaped Red Oak.....	42.58	1.90
06 46 36 00-0650	LF		1-1/4" x 9-1/2" Custom Shaped Red Oak.....	46.65	1.90
06 46 36 00-0651	LF		1-1/4" x 10-1/2" Custom Shaped Red Oak.....	51.03	2.03
06 46 36 00-0652	LF		1-1/4" x 11-1/2" Custom Shaped Red Oak.....	55.23	2.17
06 46 36 00-0653	LF		1-1/2" x 1-1/2" Custom Shaped Red Oak.....	18.07	1.49
06 46 36 00-0654	LF		1-1/2" x 2-1/2" Custom Shaped Red Oak.....	24.67	1.63
06 46 36 00-0655	LF		1-1/2" x 3-1/2" Custom Shaped Red Oak.....	31.27	1.63
06 46 36 00-0656	LF		1-1/2" x 4-1/2" Custom Shaped Red Oak.....	37.86	1.63
06 46 36 00-0657	LF		1-1/2" x 5-1/2" Custom Shaped Red Oak.....	44.47	1.76
06 46 36 00-0658	LF		1-1/2" x 6-1/2" Custom Shaped Red Oak.....	51.47	1.90
06 46 36 00-0659	LF		1-1/2" x 7-1/2" Custom Shaped Red Oak.....	57.93	1.90
06 46 36 00-0660	LF		1-1/2" x 8-1/2" Custom Shaped Red Oak.....	65.67	2.03
06 46 36 00-0661	LF		1-1/2" x 9-1/2" Custom Shaped Red Oak.....	71.10	2.03
06 46 36 00-0662	LF		1-1/2" x 10-1/2" Custom Shaped Red Oak.....	77.87	2.03
06 46 36 00-0663	LF		1-1/2" x 11-1/2" Custom Shaped Red Oak.....	84.53	2.17
06 46 36 00-0664	LF		2" x 1-1/2" Custom Shaped Red Oak.....	27.41	1.63
06 46 36 00-0665	LF		2" x 2-1/2" Custom Shaped Red Oak.....	38.63	1.63
06 46 36 00-0666	LF		2" x 3-1/2" Custom Shaped Red Oak.....	49.80	1.63
06 46 36 00-0667	LF		2" x 4-1/2" Custom Shaped Red Oak.....	61.15	1.76
06 46 36 00-0668	LF		2" x 5-1/2" Custom Shaped Red Oak.....	72.32	1.76
06 46 36 00-0669	LF		2" x 6-1/2" Custom Shaped Red Oak.....	83.81	1.90
06 46 36 00-0670	LF		2" x 7-1/2" Custom Shaped Red Oak.....	94.97	1.90
06 46 36 00-0671	LF		2" x 8-1/2" Custom Shaped Red Oak.....	106.34	2.03
06 46 36 00-0672	LF		2" x 9-1/2" Custom Shaped Red Oak.....	117.50	2.03
06 46 36 00-0673	LF		2" x 10-1/2" Custom Shaped Red Oak.....	128.72	2.17
06 46 36 00-0674	LF		2" x 11-1/2" Custom Shaped Red Oak.....	140.16	2.30
06 46 36 00-0675 White Oak (06 46 36)					
06 46 36 00-0676	LF		3/4" x 1-1/2" Custom Shaped White Oak.....	9.04	1.49
06 46 36 00-0677	LF		3/4" x 2-1/2" Custom Shaped White Oak.....	11.32	1.49
06 46 36 00-0678	LF		3/4" x 3-1/2" Custom Shaped White Oak.....	13.61	1.49
06 46 36 00-0679	LF		3/4" x 4-1/2" Custom Shaped White Oak.....	15.89	1.63
06 46 36 00-0680	LF		3/4" x 5-1/2" Custom Shaped White Oak.....	18.32	1.63
06 46 36 00-0681	LF		3/4" x 6-1/2" Custom Shaped White Oak.....	20.75	1.76
06 46 36 00-0682	LF		3/4" x 7-1/2" Custom Shaped White Oak.....	23.02	1.76
06 46 36 00-0683	LF		3/4" x 8-1/2" Custom Shaped White Oak.....	25.33	1.76
06 46 36 00-0684	LF		3/4" x 9-1/2" Custom Shaped White Oak.....	27.54	1.90
06 46 36 00-0685	LF		3/4" x 10-1/2" Custom Shaped White Oak.....	30.01	2.03
06 46 36 00-0686	LF		3/4" x 11-1/2" Custom Shaped White Oak.....	32.35	2.03
06 46 36 00-0687	LF		1" x 1-1/2" Custom Shaped White Oak.....	10.64	1.49
06 46 36 00-0688	LF		1" x 2-1/2" Custom Shaped White Oak.....	13.69	1.49
06 46 36 00-0689	LF		1" x 3-1/2" Custom Shaped White Oak.....	16.69	1.63
06 46 36 00-0690	LF		1" x 4-1/2" Custom Shaped White Oak.....	20.82	1.63
06 46 36 00-0691	LF		1" x 5-1/2" Custom Shaped White Oak.....	22.87	1.76
06 46 36 00-0692	LF		1" x 6-1/2" Custom Shaped White Oak.....	26.08	1.76

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0693	LF	1" x 7-1/2" Custom Shaped White Oak.....	29.05	1.76
06 46 36 00-0694	LF	1" x 8-1/2" Custom Shaped White Oak.....	32.07	1.90
06 46 36 00-0695	LF	1" x 9-1/2" Custom Shaped White Oak.....	35.05	1.90
06 46 36 00-0696	LF	1" x 10-1/2" Custom Shaped White Oak.....	38.27	2.03
06 46 36 00-0697	LF	1" x 11-1/2" Custom Shaped White Oak.....	41.33	2.03
06 46 36 00-0698	LF	1-1/4" x 1-1/2" Custom Shaped White Oak.....	13.24	1.49
06 46 36 00-0699	LF	1-1/4" x 2-1/2" Custom Shaped White Oak.....	17.49	1.49
06 46 36 00-0700	LF	1-1/4" x 3-1/2" Custom Shaped White Oak.....	21.73	1.63
06 46 36 00-0701	LF	1-1/4" x 4-1/2" Custom Shaped White Oak.....	25.98	1.63
06 46 36 00-0702	LF	1-1/4" x 5-1/2" Custom Shaped White Oak.....	30.38	1.76
06 46 36 00-0703	LF	1-1/4" x 6-1/2" Custom Shaped White Oak.....	34.78	1.76
06 46 36 00-0704	LF	1-1/4" x 7-1/2" Custom Shaped White Oak.....	39.02	1.90
06 46 36 00-0705	LF	1-1/4" x 8-1/2" Custom Shaped White Oak.....	43.29	1.90
06 46 36 00-0706	LF	1-1/4" x 9-1/2" Custom Shaped White Oak.....	47.47	1.90
06 46 36 00-0707	LF	1-1/4" x 10-1/2" Custom Shaped White Oak.....	51.90	2.03
06 46 36 00-0708	LF	1-1/4" x 11-1/2" Custom Shaped White Oak.....	56.21	2.17
06 46 36 00-0709	LF	1-1/2" x 1-1/2" Custom Shaped White Oak.....	21.34	1.49
06 46 36 00-0710	LF	1-1/2" x 2-1/2" Custom Shaped White Oak.....	29.59	1.63
06 46 36 00-0711	LF	1-1/2" x 3-1/2" Custom Shaped White Oak.....	37.82	1.63
06 46 36 00-0712	LF	1-1/2" x 4-1/2" Custom Shaped White Oak.....	46.05	1.76
06 46 36 00-0713	LF	1-1/2" x 5-1/2" Custom Shaped White Oak.....	54.30	1.76
06 46 36 00-0714	LF	1-1/2" x 6-1/2" Custom Shaped White Oak.....	62.83	1.90
06 46 36 00-0715	LF	1-1/2" x 7-1/2" Custom Shaped White Oak.....	71.04	1.90
06 46 36 00-0716	LF	1-1/2" x 8-1/2" Custom Shaped White Oak.....	79.32	2.03
06 46 36 00-0717	LF	1-1/2" x 9-1/2" Custom Shaped White Oak.....	86.39	2.03
06 46 36 00-0718	LF	1-1/2" x 10-1/2" Custom Shaped White Oak.....	95.90	2.17
06 46 36 00-0719	LF	1-1/2" x 11-1/2" Custom Shaped White Oak.....	104.19	2.17

06 46 36 00-0720**White Pine (06 46 36)**

06 46 36 00-0721	LF	3/4" x 1-1/2" Custom Shaped White Pine.....	10.02	1.49
06 46 36 00-0722	LF	3/4" x 2-1/2" Custom Shaped White Pine.....	12.79	1.49
06 46 36 00-0723	LF	3/4" x 3-1/2" Custom Shaped White Pine.....	15.58	1.49
06 46 36 00-0724	LF	3/4" x 4-1/2" Custom Shaped White Pine.....	18.35	1.63
06 46 36 00-0725	LF	3/4" x 5-1/2" Custom Shaped White Pine.....	21.27	1.63
06 46 36 00-0726	LF	3/4" x 6-1/2" Custom Shaped White Pine.....	24.19	1.76
06 46 36 00-0727	LF	3/4" x 7-1/2" Custom Shaped White Pine.....	26.95	1.76
06 46 36 00-0728	LF	3/4" x 8-1/2" Custom Shaped White Pine.....	29.75	1.76
06 46 36 00-0729	LF	3/4" x 9-1/2" Custom Shaped White Pine.....	34.09	1.90
06 46 36 00-0730	LF	3/4" x 10-1/2" Custom Shaped White Pine.....	37.22	2.03
06 46 36 00-0731	LF	1" x 1-1/2" Custom Shaped White Pine.....	11.19	1.49
06 46 36 00-0732	LF	1" x 2-1/2" Custom Shaped White Pine.....	14.51	1.49
06 46 36 00-0733	LF	1" x 3-1/2" Custom Shaped White Pine.....	17.78	1.63
06 46 36 00-0734	LF	1" x 4-1/2" Custom Shaped White Pine.....	21.10	1.63
06 46 36 00-0735	LF	1" x 5-1/2" Custom Shaped White Pine.....	24.51	1.76
06 46 36 00-0736	LF	1" x 6-1/2" Custom Shaped White Pine.....	27.99	1.76
06 46 36 00-0737	LF	1" x 7-1/2" Custom Shaped White Pine.....	31.23	1.76
06 46 36 00-0738	LF	1" x 8-1/2" Custom Shaped White Pine.....	34.58	1.90
06 46 36 00-0739	LF	1" x 9-1/2" Custom Shaped White Pine.....	37.78	1.90
06 46 36 00-0740	LF	1" x 10-1/2" Custom Shaped White Pine.....	41.28	2.03
06 46 36 00-0741	LF	1" x 11-1/2" Custom Shaped White Pine.....	44.61	2.03
06 46 36 00-0742	LF	1-1/4" x 1-1/2" Custom Shaped White Pine.....	12.59	1.49
06 46 36 00-0743	LF	1-1/4" x 2-1/2" Custom Shaped White Pine.....	16.50	1.49
06 46 36 00-0744	LF	1-1/4" x 3-1/2" Custom Shaped White Pine.....	20.53	1.63
06 46 36 00-0745	LF	1-1/4" x 4-1/2" Custom Shaped White Pine.....	24.34	1.63
06 46 36 00-0746	LF	1-1/4" x 5-1/2" Custom Shaped White Pine.....	28.42	1.76
06 46 36 00-0747	LF	1-1/4" x 6-1/2" Custom Shaped White Pine.....	32.49	1.76
06 46 36 00-0748	LF	1-1/4" x 7-1/2" Custom Shaped White Pine.....	36.40	1.90
06 46 36 00-0749	LF	1-1/4" x 8-1/2" Custom Shaped White Pine.....	40.34	1.90
06 46 36 00-0750	LF	1-1/4" x 9-1/2" Custom Shaped White Pine.....	44.19	1.90
06 46 36 00-0751	LF	1-1/4" x 10-1/2" Custom Shaped White Pine.....	48.30	2.03
06 46 36 00-0752	LF	1-1/4" x 11-1/2" Custom Shaped White Pine.....	52.28	2.17
06 46 36 00-0753	LF	1-1/2" x 1-1/2" Custom Shaped White Pine.....	15.67	1.49
06 46 36 00-0754	LF	1-1/2" x 2-1/2" Custom Shaped White Pine.....	21.07	1.63
06 46 36 00-0755	LF	1-1/2" x 3-1/2" Custom Shaped White Pine.....	26.46	1.63
06 46 36 00-0756	LF	1-1/2" x 4-1/2" Custom Shaped White Pine.....	31.85	1.76
06 46 36 00-0757	LF	1-1/2" x 5-1/2" Custom Shaped White Pine.....	37.27	1.76
06 46 36 00-0758	LF	1-1/2" x 6-1/2" Custom Shaped White Pine.....	42.95	1.90
06 46 36 00-0759	LF	1-1/2" x 7-1/2" Custom Shaped White Pine.....	48.32	1.90
06 46 36 00-0760	LF	1-1/2" x 8-1/2" Custom Shaped White Pine.....	53.76	2.03
06 46 36 00-0761	LF	1-1/2" x 9-1/2" Custom Shaped White Pine.....	60.18	2.03
06 46 36 00-0762	LF	1-1/2" x 10-1/2" Custom Shaped White Pine.....	64.66	2.17
06 46 36 00-0763	LF	1-1/2" x 11-1/2" Custom Shaped White Pine.....	70.11	2.17
06 46 36 00-0764	LF	2" x 1-1/2" Custom Shaped White Pine.....	23.86	1.63
06 46 36 00-0765	LF	2" x 2-1/2" Custom Shaped White Pine.....	33.28	1.63
06 46 36 00-0766	LF	2" x 3-1/2" Custom Shaped White Pine.....	42.71	1.63
06 46 36 00-0767	LF	2" x 4-1/2" Custom Shaped White Pine.....	52.25	1.76
06 46 36 00-0768	LF	2" x 5-1/2" Custom Shaped White Pine.....	61.67	1.76
06 46 36 00-0769	LF	2" x 6-1/2" Custom Shaped White Pine.....	71.36	1.90
06 46 36 00-0770	LF	2" x 7-1/2" Custom Shaped White Pine.....	80.77	1.90
06 46 36 00-0771	LF	2" x 8-1/2" Custom Shaped White Pine.....	90.33	2.03
06 46 36 00-0772	LF	2" x 9-1/2" Custom Shaped White Pine.....	99.75	2.03
06 46 36 00-0773	LF	2" x 10-1/2" Custom Shaped White Pine.....	109.17	2.17
06 46 36 00-0774	LF	2" x 11-1/2" Custom Shaped White Pine.....	118.87	2.30
06 46 36 00-0775	LF	2-1/2" x 1-1/2" Custom Shaped White Pine.....	28.37	1.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 46 36 00-0776	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	39.97	1.63
06 46 36 00-0777	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	51.57	1.76
06 46 36 00-0778	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	63.30	1.76
06 46 36 00-0779	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	74.92	1.76
06 46 36 00-0780	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	86.78	1.90
06 46 36 00-0781	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	98.40	2.03
06 46 36 00-0782	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	110.12	2.03
06 46 36 00-0783	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	121.73	2.17
06 46 36 00-0784	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	133.34	2.17
06 46 36 00-0785	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	145.22	2.30
06 46 36 00-0786	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	71.37	1.76
06 46 36 00-0787	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	88.02	1.76
06 46 36 00-0788	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	104.54	1.90
06 46 36 00-0789	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	121.33	2.03
06 46 36 00-0790	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	137.85	2.03
06 46 36 00-0791	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	154.50	2.17
06 46 36 00-0792	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	171.01	2.17
06 46 36 00-0793	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	187.54	2.17
06 46 36 00-0794	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	204.33	2.30

06 46 36 00-0795 Clear Heart Redwood (06 46 36)

06 46 36 00-0796	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	8.82	1.49
06 46 36 00-0797	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	10.99	1.49
06 46 36 00-0798	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	13.17	1.49
06 46 36 00-0799	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	15.34	1.63
06 46 36 00-0800	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	17.66	1.63
06 46 36 00-0801	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	19.98	1.76
06 46 36 00-0802	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	24.33	1.76
06 46 36 00-0803	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	26.80	1.76
06 46 36 00-0804	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	26.94	1.90
06 46 36 00-0805	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	28.81	2.03
06 46 36 00-0806	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	10.53	1.49
06 46 36 00-0807	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	13.47	1.49
06 46 36 00-0808	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	16.42	1.63
06 46 36 00-0809	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	19.35	1.63
06 46 36 00-0810	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	22.49	1.76
06 46 36 00-0811	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	25.59	1.76
06 46 36 00-0812	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	32.32	1.76
06 46 36 00-0813	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	35.78	1.90
06 46 36 00-0814	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	39.15	1.90
06 46 36 00-0815	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	42.75	2.03
06 46 36 00-0816	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	13.70	1.49
06 46 36 00-0817	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	18.12	1.63
06 46 36 00-0818	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	22.53	1.63
06 46 36 00-0819	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	26.94	1.76
06 46 36 00-0820	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	31.37	1.76
06 46 36 00-0821	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	36.18	1.90
06 46 36 00-0822	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	48.32	1.90
06 46 36 00-0823	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	53.76	2.03
06 46 36 00-0824	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	63.46	2.03
06 46 36 00-0825	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	69.46	2.17
06 46 36 00-0826	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	67.00	1.76
06 46 36 00-0827	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	82.55	1.76
06 46 36 00-0828	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	97.99	1.90
06 46 36 00-0829	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	113.69	2.03
06 46 36 00-0830	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	129.11	2.03
06 46 36 00-0831	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	144.67	2.17
06 46 36 00-0832	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	160.09	2.17
06 46 36 00-0833	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	175.52	2.17
06 46 36 00-0834	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	191.22	2.30

06 46 36 00-0835 Walnut (06 46 36)

06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	13.08	1.49
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	17.38	1.49
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	21.69	1.49
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	25.99	1.63
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	30.44	1.63
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	34.89	1.76
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	39.18	1.76
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	43.51	1.76
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	47.74	1.90
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	52.23	2.03
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	56.59	2.03
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	15.56	1.49
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	21.06	1.49
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	26.52	1.63
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	32.02	1.63
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	37.62	1.76
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	43.28	1.76
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	48.71	1.76
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	54.24	1.90
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	59.63	1.90
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	65.31	2.03

06 Wood, Plastics, and Composites**06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut.....	70.82	2.03
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	18.98	1.49
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	26.12	1.49
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	33.20	1.63
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	40.34	1.63
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	47.59	1.76
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	54.88	1.76
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	61.95	1.90
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	69.12	1.90
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	76.14	1.90
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	83.47	2.03
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	90.61	2.17
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	25.50	1.49
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	35.81	1.63
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	46.12	1.63
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	56.43	1.76
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	66.76	1.76
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	77.35	1.90
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	87.64	1.90
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	98.00	2.03
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	109.33	2.03
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	118.72	2.17
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	129.09	2.17
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut.....	42.43	1.63
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut.....	61.13	1.63
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut.....	79.84	1.63
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut.....	98.67	1.76
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut.....	117.38	1.76
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut.....	136.34	1.90
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut.....	155.04	1.90
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut.....	173.89	2.03
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut.....	192.59	2.03
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut.....	211.29	2.17
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut.....	230.27	2.30
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	52.94	1.63
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	76.84	1.63
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	100.72	1.76
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	124.74	1.76
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	148.64	1.76
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	172.79	1.90
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	196.69	2.03
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	220.71	2.03
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	244.61	2.17
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	268.50	2.17
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	292.67	2.30

06 48 Wood Frames (06 40)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames (06 48)**06 48 13 00-0001 Exterior Door Frames** (06 48 13)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	356.63	76.83
		For Birch, Add	71.09	
		For Mahogany, Add	172.64	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	374.92	80.52
		For Birch, Add	75.11	
		For Mahogany, Add	182.42	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	393.23	83.65
		For Birch, Add	79.13	
		For Mahogany, Add	192.17	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	428.16	89.52
		For Birch, Add	87.16	
		For Mahogany, Add	211.67	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	463.89	95.93
		For Birch, Add	95.20	
		For Mahogany, Add	231.19	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	527.27	77.10
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	537.18	80.52
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	547.03	83.92
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	564.16	89.38
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	584.12	96.21
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	415.53	77.10
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	435.53	80.52
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	455.65	83.92
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	492.91	89.38
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	532.90	96.21

06 48 16 Interior Wood Door Frames (06 48)**06 48 16 00-0001 Interior Door Frames** (06 48 16)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	178.23	36.57
		For Oak Or Maple, Add	32.59	
		For Birch, Add	36.79	
		For Mahogany, Add	89.35	
		For Walnut Frame, Add	47.30	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	179.46	36.71
		For Oak Or Maple, Add	32.86	
		For Birch, Add	37.10	
		For Mahogany, Add	90.11	
		For Walnut Frame, Add	47.70	
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	181.70	37.40
		For Oak Or Maple, Add	33.11	
		For Birch, Add	37.38	
		For Mahogany, Add	90.79	
		For Walnut Frame, Add	48.06	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	184.62	38.35
		For Oak Or Maple, Add	33.44	
		For Birch, Add	37.75	
		For Mahogany, Add	91.68	
		For Walnut Frame, Add	48.54	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	188.87	39.30
		For Oak Or Maple, Add	34.14	
		For Birch, Add	38.55	
		For Mahogany, Add	93.62	
		For Walnut Frame, Add	49.56	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	199.55	41.75
		For Oak Or Maple, Add	35.95	
		For Birch, Add	40.59	
		For Mahogany, Add	98.57	
		For Walnut Frame, Add	52.19	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	212.23	45.17
		For Oak Or Maple, Add	37.76	
		For Birch, Add	42.63	
		For Mahogany, Add	103.54	
		For Walnut Frame, Add	54.81	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	223.59	48.04
		For Oak Or Maple, Add	39.57	
		For Birch, Add	44.67	
		For Mahogany, Add	108.49	
		For Walnut Frame, Add	57.44	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	8.48	3.27
		For Oak Or Maple, Add	0.60	
		For Birch, Add	0.68	
		For Mahogany, Add	1.64	
		For Walnut Frame, Add	0.87	

06 49 Wood Screens and Exterior Wood Shutters (06 40)

06 49 19 Exterior Wood Shutters (06 49)

See CSI section 10 71 13 13-0000 for exterior shutters.

06 50 Structural Plastics (06)

06 51 Structural Plastic Shapes and Plates (06 50)

06 51 13 Plastic Lumber (06 51)

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber (06 51 13)

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	13.91	2.20
		For Reinforced Structural Plastic Lumber, Add	3.98	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.65	
		For White Color, Add	1.35	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	2.80	
		For >750, Deduct	-0.97	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	17.74	2.39
		For Reinforced Structural Plastic Lumber, Add	5.30	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.86	
		For White Color, Add	1.79	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	3.72	
		For >750, Deduct	-1.29	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	21.21	2.57
		For Reinforced Structural Plastic Lumber, Add	6.49	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.05	
		For White Color, Add	2.19	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	4.56	
		For >750, Deduct	-1.58	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	30.94	3.06
		For Reinforced Structural Plastic Lumber, Add	9.83	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.59	
		For White Color, Add	3.32	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	6.91	
		For >750, Deduct	-2.39	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
06 51 13 00-0006	LF 3" x 12", Beam Or Girder, Recycled Plastic Lumber.....	37.05		3.44
	For Reinforced Structural Plastic Lumber, Add	11.89		
	Note: High-density polyethylene combined with fiberglass.			
	For Brown Color With Wood Grain, Add	1.93		
	For White Color, Add	4.02		
	For Premium Colors (Except Gray, Black, Brown Or White), Add	8.35		
	For >750, Deduct	-2.89		
06 51 13 00-0007	LF 4" x 4", Beam Or Girder, Recycled Plastic Lumber.....	20.05		2.96
	For Reinforced Structural Plastic Lumber, Add	5.85		
	Note: High-density polyethylene combined with fiberglass.			
	For Brown Color With Wood Grain, Add	0.95		
	For White Color, Add	1.98		
	For Premium Colors (Except Gray, Black, Brown Or White), Add	4.11		
	For >500, Deduct	-1.58		
06 51 13 00-0008	LF 4" x 6", Beam Or Girder, Recycled Plastic Lumber.....	26.96		3.15
	For Reinforced Structural Plastic Lumber, Add	8.31		
	Note: High-density polyethylene combined with fiberglass.			
	For Brown Color With Wood Grain, Add	1.35		
	For White Color, Add	2.81		
	For Premium Colors (Except Gray, Black, Brown Or White), Add	5.84		
	For >500, Deduct	-2.25		
06 51 13 00-0009	LF 5" x 5", Beam Or Girder, Recycled Plastic Lumber.....	28.06		3.24
	For Reinforced Structural Plastic Lumber, Add	8.67		
	Note: High-density polyethylene combined with fiberglass.			
	For Brown Color With Wood Grain, Add	1.41		
	For White Color, Add	2.93		
	For Premium Colors (Except Gray, Black, Brown Or White), Add	6.09		
	For >500, Deduct	-2.34		
06 51 13 00-0010	LF 6" x 6", Beam Or Girder, Recycled Plastic Lumber.....	38.68		3.54
	For Reinforced Structural Plastic Lumber, Add	12.44		
	Note: High-density polyethylene combined with fiberglass.			
	For Brown Color With Wood Grain, Add	2.02		
	For White Color, Add	4.20		
	For Premium Colors (Except Gray, Black, Brown Or White), Add	8.74		
	For >500, Deduct	-3.36		
06 51 13 00-0011	LF 6" x 8", Beam Or Girder, Recycled Plastic Lumber.....	52.70		3.73
	For Reinforced Structural Plastic Lumber, Add	17.53		
	Note: High-density polyethylene combined with fiberglass.			
	For Brown Color With Wood Grain, Add	2.84		
	For White Color, Add	5.92		
	For Premium Colors (Except Gray, Black, Brown Or White), Add	12.32		
	For >500, Deduct	-4.74		
06 51 13 00-0012	Joists, Recycled Plastic Lumber (06 51 13)			
06 51 13 00-0013	LF 2" x 4", Joist, Recycled Plastic Lumber.....	9.03		1.23
	For Reinforced Structural Plastic Lumber, Add	2.69		
	Note: High-density polyethylene combined with fiberglass.			
	For Brown Color With Wood Grain, Add	0.44		
	For White Color, Add	0.91		
	For Premium Colors (Except Gray, Black, Brown Or White), Add	1.89		
	For >750, Deduct	-0.65		
06 51 13 00-0014	LF 2" x 6", Joist, Recycled Plastic Lumber.....	12.54		1.30
	For Reinforced Structural Plastic Lumber, Add	3.98		
	Note: High-density polyethylene combined with fiberglass.			
	For Brown Color With Wood Grain, Add	0.65		
	For White Color, Add	1.35		
	For Premium Colors (Except Gray, Black, Brown Or White), Add	2.80		
	For >750, Deduct	-0.97		
06 51 13 00-0015	LF 2" x 8", Joist, Recycled Plastic Lumber.....	16.36		1.43
	For Reinforced Structural Plastic Lumber, Add	5.30		
	Note: High-density polyethylene combined with fiberglass.			
	For Brown Color With Wood Grain, Add	0.86		
	For White Color, Add	1.79		
	For Premium Colors (Except Gray, Black, Brown Or White), Add	3.72		
	For >750, Deduct	-1.29		
06 51 13 00-0016	LF 2" x 10", Joist, Recycled Plastic Lumber.....	19.98		1.72
	For Reinforced Structural Plastic Lumber, Add	6.49		
	Note: High-density polyethylene combined with fiberglass.			
	For Brown Color With Wood Grain, Add	1.05		
	For White Color, Add	2.19		
	For Premium Colors (Except Gray, Black, Brown Or White), Add	4.56		
	For >750, Deduct	-1.58		
06 51 13 00-0017	LF 3" x 10", Joist, Recycled Plastic Lumber.....	29.45		2.01
	For Reinforced Structural Plastic Lumber, Add	9.83		
	Note: High-density polyethylene combined with fiberglass.			
	For Brown Color With Wood Grain, Add	1.59		
	For White Color, Add	3.32		
	For Premium Colors (Except Gray, Black, Brown Or White), Add	6.91		
	For >750, Deduct	-2.39		
06 51 13 00-0018	LF 3" x 12", Joist, Recycled Plastic Lumber.....	35.82		2.57
	For Reinforced Structural Plastic Lumber, Add	11.89		
	Note: High-density polyethylene combined with fiberglass.			
	For Brown Color With Wood Grain, Add	1.93		
	For White Color, Add	4.02		
	For Premium Colors (Except Gray, Black, Brown Or White), Add	8.35		
	For >750, Deduct	-2.89		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber.....	18.40	1.81	
		For Reinforced Structural Plastic Lumber, Add	5.85		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	0.95		
		For White Color, Add	1.98		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	4.11		
		For >500, Deduct	-1.58		
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber.....	25.19	1.92	
		For Reinforced Structural Plastic Lumber, Add	8.31		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.35		
		For White Color, Add	2.81		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	5.84		
		For >500, Deduct	-2.25		
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber.....	26.42	2.10	
		For Reinforced Structural Plastic Lumber, Add	8.67		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.41		
		For White Color, Add	2.93		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	6.09		
		For >500, Deduct	-2.34		
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber.....	37.03	2.39	
		For Reinforced Structural Plastic Lumber, Add	12.44		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	2.02		
		For White Color, Add	4.20		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	8.74		
		For >500, Deduct	-3.36		
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber.....	51.06	2.57	
		For Reinforced Structural Plastic Lumber, Add	17.53		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	2.84		
		For White Color, Add	5.92		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	12.32		
		For >500, Deduct	-4.74		
06 51 13 00-0024 Columns, Recycled Plastic Lumber (06 51 13)					
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber.....	21.41	3.91	
		For Reinforced Structural Plastic Lumber, Add	5.85		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	0.95		
		For White Color, Add	1.98		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	4.11		
		For >500, Deduct	-1.58		
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber.....	30.37	5.54	
		For Reinforced Structural Plastic Lumber, Add	8.31		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.35		
		For White Color, Add	2.81		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	5.84		
		For >500, Deduct	-2.25		
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber.....	32.30	6.21	
		For Reinforced Structural Plastic Lumber, Add	8.67		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.41		
		For White Color, Add	2.93		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	6.09		
		For >500, Deduct	-2.34		
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber.....	43.71	7.07	
		For Reinforced Structural Plastic Lumber, Add	12.44		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	2.02		
		For White Color, Add	4.20		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	8.74		
		For >500, Deduct	-3.36		
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber.....	59.79	8.70	
		For Reinforced Structural Plastic Lumber, Add	17.53		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	2.84		
		For White Color, Add	5.92		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	12.32		
		For >500, Deduct	-4.74		
06 51 13 00-0030 Walls, Recycled Plastic Lumber (06 51 13)					
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber.....	8.12	1.23	
		For Reinforced Structural Plastic Lumber, Add	2.35		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	0.38		
		For White Color, Add	0.79		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.65		
		For >750, Deduct	-0.57		
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber.....	9.31	1.43	
		For Reinforced Structural Plastic Lumber, Add	2.69		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	0.44		
		For White Color, Add	0.91		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.89		
		For >750, Deduct	-0.65		

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	12.95	1.53
		For Reinforced Structural Plastic Lumber, Add	3.98	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.65	
		For White Color, Add	1.35	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	2.80	
		For >750, Deduct	-0.97	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	16.63	1.62
		For Reinforced Structural Plastic Lumber, Add	5.30	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.86	
		For White Color, Add	1.79	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	3.72	
		For >750, Deduct	-1.29	

06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber (06 51 13)

06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	7.93	1.09
		For Reinforced Structural Plastic Lumber, Add	2.32	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.38	
		For White Color, Add	0.78	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.63	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	0.40	
		For >750, Deduct	-0.56	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	10.07	1.23
		For Reinforced Structural Plastic Lumber, Add	3.07	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.50	
		For White Color, Add	1.04	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	2.16	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	0.40	
		For >750, Deduct	-0.75	
06 51 13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber	13.16	1.23
		For Reinforced Structural Plastic Lumber, Add	4.21	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.68	
		For White Color, Add	1.42	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	2.96	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	0.40	
		For >750, Deduct	-1.03	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	7.97	1.09
		For Reinforced Structural Plastic Lumber, Add	2.33	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.38	
		For White Color, Add	0.79	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.64	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	0.40	
		For >750, Deduct	-0.57	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	8.81	1.23
		For Reinforced Structural Plastic Lumber, Add	2.60	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.42	
		For White Color, Add	0.88	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.83	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	0.40	
		For >750, Deduct	-0.63	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	8.97	1.23
		For Reinforced Structural Plastic Lumber, Add	2.66	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.43	
		For White Color, Add	0.90	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.87	
		For >750, Deduct	-0.65	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	5.52	1.05
		For Reinforced Structural Plastic Lumber, Add	1.48	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.24	
		For White Color, Add	0.50	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.04	
		For >750, Deduct	-0.36	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	8.12	1.23
		For Reinforced Structural Plastic Lumber, Add	2.35	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.38	
		For White Color, Add	0.79	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.65	
		For >750, Deduct	-0.57	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	9.31	1.43
		For Reinforced Structural Plastic Lumber, Add	2.69	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.44	
		For White Color, Add	0.91	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.89	
		For >750, Deduct	-0.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	12.95	1.53	
		For Reinforced Structural Plastic Lumber, Add	3.98		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	0.65		
		For White Color, Add	1.35		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	2.80		
		For >750, Deduct	-0.97		
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	16.63	1.62	
		For Reinforced Structural Plastic Lumber, Add	5.30		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	0.86		
		For White Color, Add	1.79		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	3.72		
		For >750, Deduct	-1.29		
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	19.98	1.72	
		For Reinforced Structural Plastic Lumber, Add	6.49		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.05		
		For White Color, Add	2.19		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	4.56		
		For >750, Deduct	-1.58		
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	24.14	1.81	
		For Reinforced Structural Plastic Lumber, Add	7.98		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.29		
		For White Color, Add	2.70		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	5.61		
		For >750, Deduct	-1.94		
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	13.32	1.67	
		For Reinforced Structural Plastic Lumber, Add	4.04		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	0.66		
		For White Color, Add	1.37		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	2.84		
		For >750, Deduct	-0.98		
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	19.50	1.78	
		For Reinforced Structural Plastic Lumber, Add	6.28		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.02		
		For White Color, Add	2.12		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	4.41		
		For >750, Deduct	-1.53		
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	25.40	1.92	
		For Reinforced Structural Plastic Lumber, Add	8.40		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.36		
		For White Color, Add	2.84		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	5.90		
		For >750, Deduct	-2.04		
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	29.45	2.01	
		For Reinforced Structural Plastic Lumber, Add	9.83		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.59		
		For White Color, Add	3.32		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	6.91		
		For >750, Deduct	-2.39		
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	35.82	2.57	
		For Reinforced Structural Plastic Lumber, Add	11.89		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.93		
		For White Color, Add	4.02		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	8.35		
		For >750, Deduct	-2.89		
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	18.40	1.81	
		For Reinforced Structural Plastic Lumber, Add	5.85		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	0.95		
		For White Color, Add	1.98		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	4.11		
		For >500, Deduct	-1.58		
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	25.19	1.92	
		For Reinforced Structural Plastic Lumber, Add	8.31		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.35		
		For White Color, Add	2.81		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	5.84		
		For >500, Deduct	-2.25		
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	33.85	2.08	
		For Reinforced Structural Plastic Lumber, Add	11.43		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.85		
		For White Color, Add	3.86		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	8.03		
		For >500, Deduct	-3.09		
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	26.42	2.10	
		For Reinforced Structural Plastic Lumber, Add	8.67		
		Note: High-density polyethylene combined with fiberglass.			
		For Brown Color With Wood Grain, Add	1.41		
		For White Color, Add	2.93		
		For Premium Colors (Except Gray, Black, Brown Or White), Add	6.09		
		For >500, Deduct	-2.34		

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**
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 TOTAL DIRECT DEMOLITION
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06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	37.03	2.39
		For Reinforced Structural Plastic Lumber, Add	12.44	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	2.02	
		For White Color, Add	4.20	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	8.74	
		For >500, Deduct	-3.36	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	51.06	2.57
		For Reinforced Structural Plastic Lumber, Add	17.53	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	2.84	
		For White Color, Add	5.92	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	12.32	
		For >500, Deduct	-4.74	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	72.06	2.87
		For Reinforced Structural Plastic Lumber, Add	25.15	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	4.08	
		For White Color, Add	8.50	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	17.67	
		For >500, Deduct	-6.80	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	64.08	2.76
		For Reinforced Structural Plastic Lumber, Add	22.26	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	3.61	
		For White Color, Add	7.52	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	15.64	
		For >500, Deduct	-6.02	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	109.41	2.87
		For Reinforced Structural Plastic Lumber, Add	38.97	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	6.32	
		For White Color, Add	13.17	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	27.38	
		For >500, Deduct	-10.53	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	151.75	3.00
		For Reinforced Structural Plastic Lumber, Add	54.57	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	8.85	
		For White Color, Add	18.44	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	38.34	
		For >500, Deduct	-14.75	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber.....	5.91	0.95
		For Reinforced Structural Plastic Lumber, Add	1.68	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.27	
		For White Color, Add	0.57	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	1.18	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	16.89	1.23
		For Reinforced Structural Plastic Lumber, Add	5.59	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	0.91	
		For White Color, Add	1.89	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	3.93	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber.....	18.63	1.43
		For Reinforced Structural Plastic Lumber, Add	6.14	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.00	
		For White Color, Add	2.07	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	4.31	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber.....	23.07	1.72
		For Reinforced Structural Plastic Lumber, Add	7.63	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	1.24	
		For White Color, Add	2.58	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	5.36	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber.....	50.99	2.01
		For Reinforced Structural Plastic Lumber, Add	17.80	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	2.89	
		For White Color, Add	6.02	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	12.51	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	4.79	1.05
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	6.98	1.09
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	10.07	1.16
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	12.82	1.20

06 51 23 Plastic Channel and Shapes (06 51)**06 51 23 00-0001 Channel (06 51 23)**

06 51 23 00-0002	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22).....	19.07	2.31
06 51 23 00-0003	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22H1-7/8)	35.01	2.31
06 51 23 00-0004	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22SH).....	35.01	2.31
06 51 23 00-0005	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22A)	45.63	2.31
06 51 23 00-0006	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22)	23.75	2.31
06 51 23 00-0007	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22H1-7/8)	39.90	2.31
06 51 23 00-0008	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22SH).....	39.90	2.31
06 51 23 00-0009	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22A).....	50.10	2.31
06 51 23 00-0010	LF	1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42).....	19.28	2.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 51 23 00-0011	LF		1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42H1-7/8)	30.55	2.31
06 51 23 00-0012	LF		1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42SH)	30.55	2.31
06 51 23 00-0013	LF		1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42A)	41.17	2.31
06 51 23 00-0014	LF		1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42)	23.32	2.31
06 51 23 00-0015	LF		1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42H1-7/8)	35.01	2.31
06 51 23 00-0016	LF		1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42SH)	35.01	2.31
06 51 23 00-0017	LF		1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42A)	43.08	2.31

06 51 33 Carbon Fiber Plates (06 51)
06 51 33 00-0001
Carbon Fiber Plates (06 51 33)

Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte

06 51 33 00-0002	EA		6" x 6", 0.039" Thickness, Carbon Fiber Plates	20.08	
06 51 33 00-0003	EA		6" x 12", 0.039" Thickness, Carbon Fiber Plates	31.61	
06 51 33 00-0004	EA		6" x 24", 0.039" Thickness, Carbon Fiber Plates	54.54	
06 51 33 00-0005	EA		12" x 12", 0.039" Thickness, Carbon Fiber Plates	54.54	
06 51 33 00-0006	EA		12" x 24", 0.039" Thickness, Carbon Fiber Plates	97.34	
06 51 33 00-0007	EA		12" x 48", 0.039" Thickness, Carbon Fiber Plates	180.74	
06 51 33 00-0008	EA		24" x 24", 0.039" Thickness, Carbon Fiber Plates	181.43	
06 51 33 00-0009	EA		24" x 48", 0.039" Thickness, Carbon Fiber Plates	345.73	
06 51 33 00-0010	EA		38" x 48", 0.039" Thickness, Carbon Fiber Plates	518.78	
06 51 33 00-0011	EA		38" x 96", 0.039" Thickness, Carbon Fiber Plates	1,033.76	
06 51 33 00-0012	EA		6" x 6", 1/16" Thickness, Carbon Fiber Plates	25.14	
06 51 33 00-0013	EA		6" x 12", 1/16" Thickness, Carbon Fiber Plates	44.27	
06 51 33 00-0014	EA		6" x 24", 1/16" Thickness, Carbon Fiber Plates	76.06	
06 51 33 00-0015	EA		12" x 12", 1/16" Thickness, Carbon Fiber Plates	76.06	
06 51 33 00-0016	EA		12" x 24", 1/16" Thickness, Carbon Fiber Plates	135.32	
06 51 33 00-0017	EA		12" x 48", 1/16" Thickness, Carbon Fiber Plates	255.44	
06 51 33 00-0018	EA		24" x 24", 1/16" Thickness, Carbon Fiber Plates	256.13	
06 51 33 00-0019	EA		24" x 48", 1/16" Thickness, Carbon Fiber Plates	484.99	
06 51 33 00-0020	EA		38" x 48", 1/16" Thickness, Carbon Fiber Plates	734.00	
06 51 33 00-0021	EA		38" x 96", 1/16" Thickness, Carbon Fiber Plates	1,464.20	
06 51 33 00-0022	EA		6" x 6", 0.079" Thickness, Carbon Fiber Plates	30.21	
06 51 33 00-0023	EA		6" x 12", 0.079" Thickness, Carbon Fiber Plates	49.34	
06 51 33 00-0024	EA		6" x 24", 0.079" Thickness, Carbon Fiber Plates	87.46	
06 51 33 00-0025	EA		12" x 12", 0.079" Thickness, Carbon Fiber Plates	87.46	
06 51 33 00-0026	EA		12" x 24", 0.079" Thickness, Carbon Fiber Plates	174.57	
06 51 33 00-0027	EA		12" x 48", 0.079" Thickness, Carbon Fiber Plates	333.93	
06 51 33 00-0028	EA		24" x 24", 0.079" Thickness, Carbon Fiber Plates	334.62	
06 51 33 00-0029	EA		24" x 48", 0.079" Thickness, Carbon Fiber Plates	554.62	
06 51 33 00-0030	EA		38" x 48", 0.079" Thickness, Carbon Fiber Plates	842.88	
06 51 33 00-0031	EA		38" x 96", 0.079" Thickness, Carbon Fiber Plates	1,670.56	
06 51 33 00-0032	EA		6" x 6", 3/32" Thickness, Carbon Fiber Plates	34.01	
06 51 33 00-0033	EA		6" x 12", 3/32" Thickness, Carbon Fiber Plates	58.20	
06 51 33 00-0034	EA		6" x 24", 3/32" Thickness, Carbon Fiber Plates	96.32	
06 51 33 00-0035	EA		12" x 12", 3/32" Thickness, Carbon Fiber Plates	96.32	
06 51 33 00-0036	EA		12" x 24", 3/32" Thickness, Carbon Fiber Plates	177.10	
06 51 33 00-0037	EA		12" x 48", 3/32" Thickness, Carbon Fiber Plates	332.66	
06 51 33 00-0038	EA		24" x 24", 3/32" Thickness, Carbon Fiber Plates	333.35	
06 51 33 00-0039	EA		24" x 48", 3/32" Thickness, Carbon Fiber Plates	636.91	
06 51 33 00-0040	EA		38" x 48", 3/32" Thickness, Carbon Fiber Plates	963.15	
06 51 33 00-0041	EA		38" x 96", 3/32" Thickness, Carbon Fiber Plates	1,919.96	
06 51 33 00-0042	EA		6" x 6", 0.119" Thickness, Carbon Fiber Plates	39.07	
06 51 33 00-0043	EA		6" x 12", 0.119" Thickness, Carbon Fiber Plates	70.86	
06 51 33 00-0044	EA		6" x 24", 0.119" Thickness, Carbon Fiber Plates	114.04	
06 51 33 00-0045	EA		12" x 12", 0.119" Thickness, Carbon Fiber Plates	114.04	
06 51 33 00-0046	EA		12" x 24", 0.119" Thickness, Carbon Fiber Plates	204.95	
06 51 33 00-0047	EA		12" x 48", 0.119" Thickness, Carbon Fiber Plates	390.90	
06 51 33 00-0048	EA		24" x 24", 0.119" Thickness, Carbon Fiber Plates	391.59	
06 51 33 00-0049	EA		24" x 48", 0.119" Thickness, Carbon Fiber Plates	743.25	
06 51 33 00-0050	EA		38" x 48", 0.119" Thickness, Carbon Fiber Plates	1,126.46	
06 51 33 00-0051	EA		38" x 96", 0.119" Thickness, Carbon Fiber Plates	2,242.79	
06 51 33 00-0052	EA		6" x 6", 1/8" Thickness, Carbon Fiber Plates	37.80	
06 51 33 00-0053	EA		6" x 12", 1/8" Thickness, Carbon Fiber Plates	67.06	
06 51 33 00-0054	EA		6" x 24", 1/8" Thickness, Carbon Fiber Plates	114.04	
06 51 33 00-0055	EA		12" x 12", 1/8" Thickness, Carbon Fiber Plates	114.04	
06 51 33 00-0056	EA		12" x 24", 1/8" Thickness, Carbon Fiber Plates	191.02	
06 51 33 00-0057	EA		12" x 48", 1/8" Thickness, Carbon Fiber Plates	370.64	
06 51 33 00-0058	EA		24" x 24", 1/8" Thickness, Carbon Fiber Plates	371.33	
06 51 33 00-0059	EA		24" x 48", 1/8" Thickness, Carbon Fiber Plates	705.27	
06 51 33 00-0060	EA		38" x 48", 1/8" Thickness, Carbon Fiber Plates	1,113.80	
06 51 33 00-0061	EA		38" x 96", 1/8" Thickness, Carbon Fiber Plates	2,178.22	
06 51 33 00-0062	EA		6" x 6", 0.157" Thickness, Carbon Fiber Plates	46.67	
06 51 33 00-0063	EA		6" x 12", 0.157" Thickness, Carbon Fiber Plates	92.38	
06 51 33 00-0064	EA		6" x 24", 0.157" Thickness, Carbon Fiber Plates	139.36	
06 51 33 00-0065	EA		12" x 12", 0.157" Thickness, Carbon Fiber Plates	139.36	
06 51 33 00-0066	EA		12" x 24", 0.157" Thickness, Carbon Fiber Plates	241.66	
06 51 33 00-0067	EA		12" x 48", 0.157" Thickness, Carbon Fiber Plates	460.53	
06 51 33 00-0068	EA		24" x 24", 0.157" Thickness, Carbon Fiber Plates	461.22	
06 51 33 00-0069	EA		24" x 48", 0.157" Thickness, Carbon Fiber Plates	882.51	
06 51 33 00-0070	EA		38" x 48", 0.157" Thickness, Carbon Fiber Plates	1,336.62	
06 51 33 00-0071	EA		38" x 96", 0.157" Thickness, Carbon Fiber Plates	2,666.90	
06 51 33 00-0072	EA		6" x 6", 3/16" Thickness, Carbon Fiber Plates	53.00	
06 51 33 00-0073	EA		6" x 12", 3/16" Thickness, Carbon Fiber Plates	94.91	

06 Wood, Plastics, and Composites**06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**
 MINOR
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 TOTAL DIRECT DEMOLITION
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06 51 33 00-0074	EA	6" x 24", 3/16" Thickness, Carbon Fiber Plates	159.62	
06 51 33 00-0075	EA	12" x 12", 3/16" Thickness, Carbon Fiber Plates	159.62	
06 51 33 00-0076	EA	12" x 24", 3/16" Thickness, Carbon Fiber Plates	274.58	
06 51 33 00-0077	EA	12" x 48", 3/16" Thickness, Carbon Fiber Plates	530.16	
06 51 33 00-0078	EA	24" x 24", 3/16" Thickness, Carbon Fiber Plates	530.85	
06 51 33 00-0079	EA	24" x 48", 3/16" Thickness, Carbon Fiber Plates	1,009.11	
06 51 33 00-0080	EA	38" x 48", 3/16" Thickness, Carbon Fiber Plates	1,526.52	
06 51 33 00-0081	EA	38" x 96", 3/16" Thickness, Carbon Fiber Plates	3,034.04	
06 51 33 00-0082	EA	6" x 6", 0.197" Thickness, Carbon Fiber Plates	54.26	
06 51 33 00-0083	EA	6" x 12", 0.197" Thickness, Carbon Fiber Plates	101.24	
06 51 33 00-0084	EA	6" x 24", 0.197" Thickness, Carbon Fiber Plates	173.55	
06 51 33 00-0085	EA	12" x 12", 0.197" Thickness, Carbon Fiber Plates	152.02	
06 51 33 00-0086	EA	12" x 24", 0.197" Thickness, Carbon Fiber Plates	304.96	
06 51 33 00-0087	EA	12" x 48", 0.197" Thickness, Carbon Fiber Plates	535.22	
06 51 33 00-0088	EA	24" x 24", 0.197" Thickness, Carbon Fiber Plates	535.91	
06 51 33 00-0089	EA	24" x 48", 0.197" Thickness, Carbon Fiber Plates	1,016.71	
06 51 33 00-0090	EA	38" x 48", 0.197" Thickness, Carbon Fiber Plates	1,544.24	
06 51 33 00-0091	EA	38" x 96", 0.197" Thickness, Carbon Fiber Plates	3,065.69	
06 51 33 00-0092	EA	6" x 6", 1/4" Thickness, Carbon Fiber Plates	63.12	
06 51 33 00-0093	EA	6" x 12", 1/4" Thickness, Carbon Fiber Plates	113.90	
06 51 33 00-0094	EA	6" x 24", 1/4" Thickness, Carbon Fiber Plates	190.00	
06 51 33 00-0095	EA	12" x 12", 1/4" Thickness, Carbon Fiber Plates	190.00	
06 51 33 00-0096	EA	12" x 24", 1/4" Thickness, Carbon Fiber Plates	342.94	
06 51 33 00-0097	EA	12" x 48", 1/4" Thickness, Carbon Fiber Plates	655.49	
06 51 33 00-0098	EA	24" x 24", 1/4" Thickness, Carbon Fiber Plates	656.18	
06 51 33 00-0099	EA	24" x 48", 1/4" Thickness, Carbon Fiber Plates	1,249.65	
06 51 33 00-0100	EA	38" x 48", 1/4" Thickness, Carbon Fiber Plates	1,898.72	
06 51 33 00-0101	EA	38" x 96", 1/4" Thickness, Carbon Fiber Plates	3,773.38	

06 52 Plastic Structural Assemblies (06 50)**06 52 13 Plastic Columns (06 52)****06 52 13 00-0001 Round Fiberglass Columns (06 52 13)**

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	19.22	7.34
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	27.32	10.68
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	31.49	12.02
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	37.57	12.57
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	45.38	14.52
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	36.86	13.91
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	40.60	15.02
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	47.26	16.69
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	62.27	17.81
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	81.68	19.47

06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)

06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	20.10	7.34
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	28.50	10.68
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	32.98	12.02
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	40.07	12.57
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	48.65	14.58
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	38.66	13.91
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	42.71	15.02
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	50.04	16.69
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	67.61	17.81
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	90.23	19.47

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)

06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	128.95	16.69
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	170.21	19.47
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	216.29	22.25
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	151.33	16.69
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	181.70	19.47
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	261.05	22.25
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	187.62	16.69
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	227.06	19.47
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	298.56	22.25
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	130.76	16.69
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	173.84	19.47
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	219.92	22.25
06 52 13 00-0036	EA	8" Greek Erechtheum Cap And Base For Fiberglass Columns	130.76	16.69
06 52 13 00-0037	EA	10" Greek Erechtheum Cap And Base For Fiberglass Columns	156.90	19.47
06 52 13 00-0038	EA	12" Greek Erechtheum Cap And Base For Fiberglass Columns	204.80	22.25

06 53 Plastic Decking (06 50)**06 53 16 Plastic Stair Treads (06 53)****06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads (06 53 16)**

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	50.89	2.86
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 53 16 00-0003	LF		1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	69.08	3.43
06 53 16 00-0004	LF		2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	90.82	3.78

06 60 Plastic Fabrications (06)

06 65 Plastic Trim (06 60)

06 65 00 00-0001			Plastic Moldings (06 65) Note: All dimensions are nominal.		
06 65 00 00-0002			Base, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0003	LF		3-1/2" High, Base, Plastic Molding	7.58	2.71
06 65 00 00-0004	LF		4-1/2" High, Base, Plastic Molding	9.26	3.39
06 65 00 00-0005	LF		3/4" x 1", Base Shoe, Plastic Molding	7.12	2.85
06 65 00 00-0006			Cornice, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0007	LF		1" x 2" Cornice, Plastic Molding	7.04	2.71
06 65 00 00-0008	LF		1" x 4" Cornice, Plastic Molding	8.55	2.85
06 65 00 00-0009	LF		1" x 6" Cornice, Plastic Molding	11.43	2.99
06 65 00 00-0010	LF		1" x 8" Cornice, Plastic Molding	13.04	3.12
06 65 00 00-0011	LF		1" x 10" Cornice, Plastic Molding	14.90	3.26
06 65 00 00-0012	LF		1" x 12" Cornice, Plastic Molding	18.80	3.39
06 65 00 00-0013			Crown Or Bed, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0014	LF		9/16" x 1-5/8" Crown Or Bed, Plastic Molding	11.89	2.71
06 65 00 00-0015	LF		9/16" x 2-1/4" Crown Or Bed, Plastic Molding	15.83	3.39
06 65 00 00-0016	LF		9/16" x 3-1/2" Crown Or Bed, Plastic Molding	16.45	3.39
06 65 00 00-0017	LF		9/16" x 3-5/8" Crown Or Bed, Plastic Molding	17.07	3.39
06 65 00 00-0018	LF		5/8" x 4-1/4" Crown Or Bed, Plastic Molding	22.14	4.07
06 65 00 00-0019	LF		11/16" x 4-5/8" Crown Or Bed, Plastic Molding	25.99	4.07
06 65 00 00-0020			Dentil, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0021	LF		11/16" x 1-3/8" Dentil, Plastic Molding	10.24	2.71
06 65 00 00-0022	LF		5/8" x 2-1/2" Dentil, Plastic Molding	11.42	2.71
06 65 00 00-0023	LF		1-3/8" x 3-3/8" Dentil, Plastic Molding	14.07	2.71
06 65 00 00-0024	LF		1-1/2" x 4-1/2" Dentil, Plastic Molding	18.65	2.71
06 65 00 00-0025			Cove, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0026	LF		3/8" x 3/8" Cove, Plastic Molding	4.04	1.49
06 65 00 00-0027	LF		1/2" x 1/2" Cove, Plastic Molding	4.35	1.49
06 65 00 00-0028	LF		5/8" x 5/8" Cove, Plastic Molding	5.67	1.76
06 65 00 00-0029	LF		3/4" x 3/4" Cove, Plastic Molding	5.67	1.76
06 65 00 00-0030	LF		15/16" x 15/16" Cove, Plastic Molding	7.05	1.76
06 65 00 00-0031	LF		9/16" x 1-3/4" Cove, Plastic Molding	9.16	2.03
06 65 00 00-0032	LF		11/16" x 2-3/4" Cove, Plastic Molding	12.07	2.03
06 65 00 00-0033			Chair Rail, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0034	LF		1/2" x 1-5/8" Chair Rail, Plastic Molding	6.65	2.03
06 65 00 00-0035	LF		5/8" x 2-1/2" Chair Rail, Plastic Molding	8.96	2.71
06 65 00 00-0036	LF		5/8" x 3-1/2" Chair Rail, Plastic Molding	10.75	2.71
06 65 00 00-0037			Door, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0038	LF		1-1/8" Wide, Door, Plastic Molding	5.94	2.44
06 65 00 00-0039	LF		1-1/8" Wide, Detailed Door, Plastic Molding	5.99	2.44
06 65 00 00-0040			Trim, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0041	LF		1/2" x 1/2" Quarter Round Trim, Plastic Molding	6.32	2.85
06 65 00 00-0042	LF		3/4" x 3/4" Quarter Round Trim, Plastic Molding	8.29	2.85
06 65 00 00-0043	LF		1-1/4" x 2" Brick Mould, Plastic Molding	7.98	2.71
06 65 00 00-0044	LF		1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	9.17	2.71
06 65 00 00-0045	LF		11/16" x 1-5/8" Drip Cap, Plastic Molding	6.82	2.71
06 65 00 00-0046	LF		2-3/4" x 2" Water Table, Plastic Molding	10.04	2.71
06 65 00 00-0047	LF		3/8" x 2" Garage Door Stop, Plastic Molding	7.47	2.71
06 65 00 00-0048			Extruded Polyvinyl Chloride (PVC) Trimboard (06 65) Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF		1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	4.81	1.09
06 65 00 00-0050	LF		1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	6.86	1.22
06 65 00 00-0051	LF		1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	8.96	1.36
06 65 00 00-0052	LF		1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	10.78	1.39
06 65 00 00-0053	LF		1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	12.78	1.43
06 65 00 00-0054	LF		5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	5.87	1.09
06 65 00 00-0055	LF		5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	8.50	1.22
06 65 00 00-0056	LF		5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	10.80	1.36
06 65 00 00-0057	LF		5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	13.29	1.39

06 Wood, Plastics, and Composites**06 60 Plastic Fabrications****06 65 Plastic Trim**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	15.57	1.43
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	12.71	1.39
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	16.83	1.43
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	8.92	1.22
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	12.81	1.36

06 70 Structural Composites (06)**06 74 Composite Gratings** (06 70)**06 74 13 Fiberglass Reinforced Gratings** (06 74)**06 74 13 00-0001 Molded Fiberglass Gratings And Coverings** (06 74 13)**06 74 13 00-0002 Vi-Corr Resin System** (06 74 13 00-0001)

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top.....	46.27	2.06
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	44.94	2.06
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	58.69	2.06
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top.....	63.53	2.64
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	48.56	2.06
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	47.18	2.06
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	62.00	2.06
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	66.65	2.64
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	43.85	1.65
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	71.11	1.81
06 74 13 00-0013	SF	3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	97.50	1.99

06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin (06 74 13 00-0001)

06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.54	2.06
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.83	2.06
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	51.30	2.06
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	55.34	2.64
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	44.42	2.06
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	40.90	2.06
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	55.73	2.64
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top.....	58.42	2.64
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	38.64	1.65
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	54.75	1.81
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	75.25	1.99

06 74 13 00-0026 Corvex Polyester Resin (06 74 13 00-0001)

Note: Dark gray.

06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top.....	36.07	2.06
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	34.64	2.06
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	42.02	2.06
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	48.30	2.64
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	38.45	2.06
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top.....	37.00	2.06
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	44.78	2.06
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	50.66	2.64
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering.....	34.11	1.65
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering.....	54.51	1.81
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering.....	75.65	1.99

06 74 13 00-0038 XFR Extra Fire Retardant (06 74 13 00-0001)

06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top.....	53.15	2.06
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	51.60	2.06
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	70.70	2.06
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	75.51	2.64
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	55.48	2.06
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	53.96	2.06
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top.....	73.46	2.06
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	78.85	2.64
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	50.26	1.65
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering.....	81.36	1.81

06 74 13 00-0049 ELS Extremely Low Smoke Resin (06 74 13 00-0001)

06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top.....	54.51	2.06
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	52.86	2.06
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	68.80	2.06
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	73.71	2.64
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	56.67	2.06
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top.....	55.31	2.06
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	71.46	2.06
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	76.40	2.64
06 74 13 00-0058	SF	1/4" ELS Extremely Low Smoke Resin, Fiberplate Covering	56.19	1.65
06 74 13 00-0059	SF	1/2" ELS Extremely Low Smoke Resin, Fiberplate Covering	101.43	1.81

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0060		Pultruded Fiberglass Grating (06 74 13)		
06 74 13 00-0061		ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060) Note: For moderately corrosive environments, green.		
06 74 13 00-0062		1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	38.71	2.64
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	34.33	2.06
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	43.80	2.64
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	40.49	2.06
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin.....	30.15	2.64
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin.....	26.68	2.06
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	34.57	2.64
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	31.19	2.06
06 74 13 00-0071		1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	43.75	2.64
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	39.48	2.06
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	49.20	2.64
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin.....	46.14	2.06
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	38.43	2.64
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin.....	35.05	2.06
06 74 13 00-0078		2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	37.89	2.64
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin.....	41.96	2.64
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin.....	50.78	2.64
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin.....	47.90	2.64
06 74 13 00-0083		VERF Vinyl Ester Resin System (06 74 13 00-0060)		
06 74 13 00-0084		1" VERF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin.....	41.00	2.06
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin.....	36.64	2.06
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin.....	46.14	2.06
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin.....	53.01	2.06
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin.....	31.41	2.06
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin.....	28.05	2.06
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin.....	36.10	2.06
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin.....	33.10	2.06
06 74 13 00-0093		1-1/2" VERF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin.....	45.04	2.06
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin.....	40.73	2.06
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin.....	51.53	2.06
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin.....	48.09	2.06
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin.....	40.45	2.06
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin.....	37.24	2.06
06 74 13 00-0100		2" VERF Vinyl Ester Resin System (06 74 13 00-0083)		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin.....	39.82	2.64
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin.....	36.70	2.64
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin.....	53.49	2.64
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin.....	51.94	2.64
06 80 Composite Fabrications (06)				
06 82 Composite Trim (06 80)				
06 82 00 00-0001		Fiberglass Castings (06 82)		
06 82 00 00-0002		Fiberglass Angle, Equal Legs (06 82 00 00-0001)		
06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	9.86	3.43
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	10.34	3.43
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	18.53	4.12
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	20.48	4.12
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	20.60	4.12
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	22.01	4.12
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	23.91	4.12
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	26.93	4.12
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin.....	64.68	5.16
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin.....	74.43	5.16
06 82 00 00-0013		Fiberglass Channels (06 82 00 00-0001)		
06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	11.39	5.16
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin.....	11.87	5.16
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	23.94	5.84

06 Wood, Plastics, and Composites**06 80 Composite Fabrications****06 82 Composite Trim**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	23.94	5.84
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	37.62	5.84
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	43.78	5.84
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	35.33	5.84
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	42.73	5.84
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	53.82	8.02
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	61.75	8.02

06 82 00 00-0024 Fiberglass Wide Flange Beams (06 82 00 00-0001)

06 82 00 00-0025	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	32.71	6.87
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	35.79	6.87
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	41.88	8.25
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	43.35	8.25
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	67.65	10.31
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	84.97	10.31
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	150.60	12.60
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	169.54	12.60

06 82 00 00-0033 Fiberglass Flat Sheet (06 82 00 00-0001)

Note: Not to be used for bathroom board.

06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	27.03	5.84
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	28.24	5.84
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	42.55	6.87
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	48.98	6.87
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	57.77	8.25
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	67.43	8.25
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	77.93	10.31
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	92.72	10.31

06 82 00 00-0042 Fiberglass Bars (06 82 00 00-0001)**06 82 00 00-0043 Square Bars (06 82 00 00-0042)**

06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	16.06	4.12
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	23.08	6.07
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	27.06	8.02

06 82 00 00-0047 Round Bars (06 82 00 00-0042)

06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin.....	10.29	3.43
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	22.15	5.16
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	25.08	5.16
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	33.29	5.16
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	39.80	5.84

06 82 00 00-0053 Fiberglass Tubes (06 82 00 00-0001)**06 82 00 00-0054 Square Tube (06 82 00 00-0053)**

06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	11.62	3.43
06 82 00 00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	12.56	3.43
06 82 00 00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	17.22	4.12
06 82 00 00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	18.89	4.12
06 82 00 00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	32.93	5.16
06 82 00 00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	36.80	5.16
06 82 00 00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	38.75	6.18
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	49.52	6.18

06 82 00 00-0063 Round Tube (06 82 00 00-0053)

06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	11.12	3.43
06 82 00 00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	11.55	3.43
06 82 00 00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	20.94	4.12
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	22.36	4.12

06 82 00 00-0068 Fiberglass Threaded Rods (06 82 00 00-0001)

06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.10	2.64
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	16.08	2.64
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	18.46	2.98
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	20.35	2.98
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	22.51	2.98

06 82 00 00-0074 Grating Support Legs, VEFR Resin (06 82 00 00-0001)

06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	13.52	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	5.79	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings.....	21.78	

06 82 00 00-0078 Fiberglass Netting (06 82 00 00-0001)

06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting.....	0.77	0.37
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting.....	0.77	0.37
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting.....	0.77	0.37
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting.....	0.77	0.37
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting.....	0.76	0.37
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting.....	0.76	0.37
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting.....	0.76	0.37
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting.....	0.76	0.37
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting.....	0.76	0.37
06 82 00 00-0089		Fiberglass Stair Treads (06 82)		
06 82 00 00-0090		Fiberglass Stair Treads (06 82 00 00-0089)		
06 82 00 00-0091		10-1/2" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	117.01	17.99
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	137.31	17.99
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	157.62	17.99
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	177.92	17.99
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	129.19	17.99
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	152.54	17.99
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	175.89	17.99
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	199.24	17.99
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System.....	147.87	17.99
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System.....	175.89	17.99
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System.....	203.91	17.99
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System.....	231.93	17.99
06 82 00 00-0104		12" Deep Isophthalic Resin System (06 82 00 00-0090)		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	128.62	17.99
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	151.82	17.99
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	175.03	17.99
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	198.23	17.99
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	142.54	17.99
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	169.22	17.99
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	195.91	17.99
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	222.60	17.99
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System.....	163.89	17.99
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System.....	195.91	17.99
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System.....	227.94	17.99
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System.....	259.96	17.99
06 82 00 00-0117		Other Fiberglass (06 82)		
06 82 00 00-0118		Fiberglass Splash Blocks (06 82 00 00-0117)		
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block.....	19.09	3.69
06 83		Composite Paneling (06 80)		
06 83 16		Fiberglass Reinforced Paneling (06 83)		
06 83 16 00-0001		Fiberglass Reinforced Polyester (FRP) Panels (06 83 16)		
		Note: Includes adhesive and trim.		
06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling.....	3.67	1.85
		Note: Including Adhesive And Trim		

END OF SECTION 06

06	06	Wood, Plastics, and Composites	
	06 80	Composite Fabrications	
	06 83	Composite Paneling	



MINOR				TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION				UNIT COST		UNIT COST	

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07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection⁽⁰⁷⁾

07 01 50 Maintenance of Membrane Roofing^(07 01)

07 01 50 19 Preparation for Re-Roofing^(07 01 50)

07 01 50 19-0001 Preparation For Re-Roofing^(07 01 50 19)

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	84.47	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	147.77	

07 01 50 81 Roof Replacement^(07 01 50)

07 01 50 81-0001 Roof Repair^(07 01 50 81)

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	25.69	
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	22.89	
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	20.77	
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	19.32	
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	28.66	
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	25.87	
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	23.74	
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	22.29	
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	22.72	
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	20.23	
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	18.40	
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	17.24	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	8.74	

07 01 50 81-0015 Emergency Roof Patch^(07 01 50 81)

Note: 4 Hour response time.

07 01 50 81-0016	EA	16 SF Granule Emergency Roof Patch Cover	102.11	
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching	853.98	

07 01 50 81-0018 Adhesives^(07 01 50 81)

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer^(07 01 50 81-0018)

07 01 50 81-0020 Applied At Joints Only^(07 01 50 81-0019)

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint For Roof Repair	5.61	2.42
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07 01 50 91 Roofing Restoration^(07 01 50)

07 01 50 91-0001 Pressure Wash Membrane Roofing^(07 01 50 91)

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.22	
		For Up To 100, Add	0.17	
		For >100 To 250, Add	0.08	
		For >250 To 500, Add	0.03	
		For >5,000 To 10,000, Deduct	-0.01	
		For >10,000 To 15,000, Deduct	-0.02	
		For >15,000 To 30,000, Deduct	-0.03	
		For >30,000, Deduct	-0.04	

07 01 60 Maintenance of Flashing and Sheet Metal^(07 01)

07 01 60 91 Flashing and Sheet Metal Restoration^(07 01 60)

07 01 60 91-0001 Re-connecting Downspouts To Gutters^(07 01 60 91)

07 01 60 91-0002	EA	Re-connecting Existing Downspouts To Gutter With Fasteners	39.83	
07 01 60 91-0003	EA	Re-connecting Existing Downspouts To Gutter By Welding	60.39	

07 01 70 Operation and Maintenance of Roof Specialties and Accessories^(07 01)

07 01 70 00-0001 Metal Roofing Edge Repair^(07 01 70)

07 01 70 00-0002	LF	Cut Existing Metal Roofing Edge, 20 to 26 Gauge	4.72	
07 01 70 00-0003	LF	Cut Existing Metal Roofing Edge, 16 to 19 Gauge	5.90	
07 01 70 00-0004	LF	Cut Existing Metal Roofing Edge, 11 to 15 Gauge	6.75	

07 01 70 00-0005 Metal Roofing Repair^(07 01 70)

07 01 70 00-0006	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, Up To 10 SF	28.66	
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07 Thermal And Moisture Protection**07 01 Operation and Maintenance of Thermal and Moisture Protection****07 01 70 Operation and Maintenance of Roof Specialties and Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 01 70 00-0007	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 11 To 25 SF	25.87	
07 01 70 00-0008	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 25 To 50 SF	23.74	
07 01 70 00-0009	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 50 To 100 SF	22.29	

07 01 70 00-0010 Removal And Reinstallation Of Metal Coping (07 01 70)

Note: Includes storage, cleaning and supply materials.

07 01 70 00-0011	LF	Removal And Reinstallation Of Metal Coping	10.52	
		For Up To 25 LF, Add	5.26	
		For >25 To 100 LF, Add	2.63	
		For >1,000 LF, Deduct	-1.05	

07 05 Common Work Results for Thermal and Moisture Protection

(07)

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work (07 05)**07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work (07 05 13)**

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,710.69	
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,279.94	
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	855.34	
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	426.65	

07 10 Dampproofing and Waterproofing (07)

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing (07 10)**07 11 13 Bituminous Dampproofing (07 11)****07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray (07 11 13)**

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	207.66	
07 11 13 00-0003	CSF	2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	321.52	

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On (07 11 13)

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	355.42	
07 11 13 00-0006	CSF	Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	548.89	

07 11 13 00-0007 Asphaltic Paint Dampproofing (07 11 13)

07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	167.61	
07 11 13 00-0009	CSF	2 Coats, Brushed On, Asphaltic Paint Dampproofing	309.57	

07 11 19 Sheet Dampproofing (07 11)**07 11 19 00-0001 Neoprene (07 11 19)**

07 11 19 00-0002	SF	1/16" Patch Neoprene Roof (5 To 20 SF)	45.17	
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07 13 Sheet Waterproofing (07 10)**07 13 13 Bituminous Sheet Waterproofing (07 13)****07 13 13 00-0001 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13 13)**

07 13 13 00-0002	CSF	1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	376.41	136.65
		For 30 Lb. Felt, Add	77.33	
		For Application To Horizontal Surfaces, Deduct	-41.00	
07 13 13 00-0003	CSF	2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	469.72	153.74
		For 30 Lb. Felt, Add	121.68	
		For Application To Horizontal Surfaces, Deduct	-46.12	
07 13 13 00-0004	CSF	3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	563.01	170.83
		For 30 Lb. Felt, Add	166.03	
		For Application To Horizontal Surfaces, Deduct	-51.25	
07 13 13 00-0005	CSF	4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	656.31	187.90
		For 30 Lb. Felt, Add	210.38	
		For Application To Horizontal Surfaces, Deduct	-56.37	
07 13 13 00-0006	CSF	5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	749.62	204.99
		For 30 Lb. Felt, Add	254.74	
		For Application To Horizontal Surfaces, Deduct	-61.50	

07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)

07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	332.36	137.06
		For Application To Horizontal Surfaces, Deduct	-45.71	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	420.70	142.33
		For Application To Horizontal Surfaces, Deduct	-47.44	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	526.99	148.31
		For Application To Horizontal Surfaces, Deduct	-49.42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board..... <i>For Application To Horizontal Surfaces, Deduct</i>	582.77 -51.44	154.29
07 13 53 Elastomeric Sheet Waterproofing (07 13)				
07 13 53 00-0001		Rubberized Membrane Sheet (07 13 53)		
07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface <i>For Floor Surfaces, Deduct</i>	8.75 -1.37	1.42
07 13 53 00-0003		Ethylene Propylene Diene Monomer (EPDM) (07 13 53)		
07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane <i>For Application To Horizontal Surfaces, Deduct</i>	552.83 -60.04	200.18
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane <i>For Application To Horizontal Surfaces, Deduct</i>	623.24 -60.04	200.18
07 13 53 00-0006		Butyl Sheet Waterproofing (07 13 53)		
07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	113.39 17.20 84.39 -7.52	50.04
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	133.52 18.21 98.48 -7.52	50.04
07 13 53 00-0009		Butyl With Nylon (07 13 53)		
07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	124.90 17.78 92.45 -7.52	50.04
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	137.84 18.43 101.50 -7.52	50.04
07 13 53 00-0012		Neoprene Sheet Waterproofing (07 13 53)		
07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	191.09 21.09 138.78 -7.52	50.04
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	276.75 25.37 198.74 -7.52	50.04
07 13 53 00-0015		Neoprene With Nylon (07 13 53)		
07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	200.03 21.54 145.04 -7.52	50.04
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	291.03 26.09 208.74 -7.52	50.04
07 13 53 00-0018		Plastic Vapor Barrier (Polyethylene) (07 13 53)		
07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	44.13 10.63 34.55 -5.49	16.55
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	45.72 10.71 35.67 -5.49	16.55
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	72.81 12.06 54.63 -5.49	16.55
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite <i>Note: Includes seam tape, liquid mastic, anchors and termination bar.</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	152.13 110.56 -6.10	16.55
07 13 53 00-0023		Plastic Vapor Barrier (PVC) (07 13 53)		
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	60.17 11.43 45.78 -5.49	18.31

07 Thermal And Moisture Protection**07 10 Dampproofing and Waterproofing****07 13 Sheet Waterproofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	78.70	18.98
		<i>For Joint Taping, Add</i>	12.68	
		<i>For Each Additional Ply, Add</i>	58.89	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-5.70	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier.....	103.59	19.66
		<i>For Joint Taping, Add</i>	14.23	
		<i>For Each Additional Ply, Add</i>	76.45	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-5.90	
07 13 53 00-0027		Vinyl Plastic Vapor Barrier (07 13 53)		
07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4).....	52.66	16.95

07 14 Fluid-Applied Waterproofing (07 10)**07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)****07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)**

07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	2.80	
		<i>Note: Includes primer.</i>		
		<i>For Application To Horizontal Surfaces, Deduct</i>	-0.26	
		<i>For Reinforcing Fabric, Add</i>	0.61	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface.....	3.26	
		<i>Note: Includes primer.</i>		
		<i>For Application To Horizontal Surfaces, Deduct</i>	-0.27	
		<i>For Reinforcing Fabric, Add</i>	0.61	

07 14 16 Cold Fluid-Applied Waterproofing (07 14)**07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)**

07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	4.87	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-0.60	
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	5.49	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-0.63	
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing.....	6.17	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-0.67	

07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)

07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer.....	3.53	
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07 14 16 00-0007 Copolymer Compound (07 14 16)

07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs.....	5.54	
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07 14 16 00-0009 Fluid Applied Neoprene (07 14 16)

07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene.....	651.30	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-72.92	
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene.....	1,224.66	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-143.05	
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene.....	1,971.73	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-214.47	

07 14 16 00-0013 Concrete Surface Waterproofing Treatments (07 14 16)

07 14 16 00-0014	SF	Concrete Waterproofing System (XYPEX).....	7.62	
		<i>Note: Includes a single coat of each XYPEX Concentrate and XYPEX Modified</i>		

07 14 16 00-0015 Moisture Barrier (Maxxon) (07 14 16)

07 14 16 00-0016	SF	Moisture Barrier Primer, Brush Application For Cut-ins (Maxxon MVP 13030).....	4.03	
		<i>Note: Includes primer coat for moisture mitigation epoxy flooring. Excludes preparation of flooring</i>		
07 14 16 00-0017	SF	Moisture Barrier Primer, Roller Application (Maxxon MVP 13030).....	3.47	
		<i>Note: Includes primer coat for moisture mitigation epoxy flooring. Excludes preparation of flooring</i>		
07 14 16 00-0018	SF	Two Part Epoxy Moisture Barrier, Brush Application For Cut-ins, First Coat (Maxxon MVP 13035).....	1.71	
		<i>Note: Includes product mixing and application. Excludes preparation of flooring</i>		
07 14 16 00-0019	SF	Two Part Epoxy Moisture Barrier, Roller Application For First Coat (Maxxon MVP 13035).....	1.15	
		<i>Note: Includes product mixing and application. Excludes preparation of flooring</i>		
07 14 16 00-0020	SF	Two Part Epoxy Moisture Barrier, Brush Application For Cut-ins, Second Coat (Maxxon MVP 13035).....	2.27	
		<i>Note: Includes product mixing and application. Excludes preparation of flooring</i>		
07 14 16 00-0021	SF	Two Part Epoxy Moisture Barrier, Roller Application For Second Coat (Maxxon MVP 13035).....	1.71	
		<i>Note: Includes product mixing and application. Excludes preparation of flooring</i>		

07 16 Cementitious and Reactive Waterproofing (07 10)**07 16 13 Polymer Modified Cement Waterproofing (07 16)**

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats.....	5.04	
		<i>Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.</i>		

07 16 16 Crystalline Waterproofing (07 16)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 16 16 00-0001 SF Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate).....6.11

07 16 19 Metal Oxide Waterproofing (07 16)

07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)

Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.

07 16 19 00-0002 CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller).....543.13
For Application To Horizontal Surfaces, Deduct -68.56

07 17 Bentonite Waterproofing (07 10)

07 17 13 Bentonite Panel Waterproofing (07 17)

07 17 13 00-0001	CSF 3/16" Bentonite Waterproofing Panels	511.94	163.54
	For Application To Horizontal Surfaces, Deduct	-49.07	
07 17 13 00-0002	CSF 1/4" Bentonite Waterproofing Panels	483.19	172.79
	For Application To Horizontal Surfaces, Deduct	-53.11	
07 17 13 00-0003	CSF 5/8" Bentonite Waterproofing Panels	630.16	180.19
	For Application To Horizontal Surfaces, Deduct	-54.04	
07 17 13 00-0004	CSF 3/8" Granular Bentonite, Troweled.....	510.79	149.87
	For Application To Horizontal Surfaces, Deduct	-44.94	

07 19 Water Repellents (07 10)

07 19 13 Acrylic Sealer (07 19)

Note: Per coat.

07 19 13 00-0001	SF Spray On Concrete, Acrylic Sealer	3.08
07 19 13 00-0002	SF Spray On Concrete Block/Brick, Acrylic Sealer	3.67
07 19 13 00-0003	SF Spray On Stone, Acrylic Sealer	4.03

07 19 16 Silane Water Repellents (07 19)

07 19 16 00-0001 Silane Concrete Sealer (07 19 16)

07 19 16 00-0002	SF Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.80
07 19 16 00-0003	SF Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.17

07 19 16 00-0004 Silane/Siloxane Concrete Sealer (07 19 16)

07 19 16 00-0005	SF Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.36
	Note: 40% silane, alcohol based.	
07 19 16 00-0006	SF Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.99
	Note: 40% silane, alcohol based.	
07 19 16 00-0007	SF Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.52
	Note: 200 SF/GAL	
07 19 16 00-0008	SF Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.77

07 20 Thermal Protection (07)

07 21 Thermal Insulation (07 20)

07 21 13 Board Insulation (07 21)

Note: Types are stock sizes, mastic applied.

07 21 13 13 Foam Board Insulation (07 21 13)

07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation (07 21 13 13)

07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0001)

07 21 13 13-0003	SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	4.36	0.47
	For Horizontal Surface Application, Deduct	-0.08	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0004	SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	6.08	0.47
	For Horizontal Surface Application, Deduct	-0.08	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0005	SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied.....	7.23	0.48
	For Horizontal Surface Application, Deduct	-0.08	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
07 21 13 13-0006	SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	9.53	0.49
	For Horizontal Surface Application, Deduct	-0.08	
	For Vapor Barrier, Integral With Insulation, Add	0.05	

07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0001)

07 21 13 13-0008	SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.96	0.46
	For Horizontal Surface Application, Deduct	-0.08	
	For Vapor Barrier, Integral With Insulation, Add	0.05	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 21 13 13-0009	SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.03		0.46	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
07 21 13 13-0010	SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.31		0.46	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
07 21 13 13-0011	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.59		0.47	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
07 21 13 13-0012	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.71		0.48	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
07 21 13 13-0013	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.82		0.49	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
07 21 13 13-0014	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	5.93		0.50	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
07 21 13 13-0015	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	7.05		0.51	
	For Horizontal Surface Application, Deduct	-0.09			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
07 21 13 13-0016	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	8.16		0.52	
	For Horizontal Surface Application, Deduct	-0.09			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
07 21 13 13-0017	Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation (07 21 13				
	13-0001)				
	Note: 15 PSI compressive strength.				
07 21 13 13-0018	SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.24		0.46	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For 25 PSI Compressive Strength, Add	0.24			
	For 40 PSI Compressive Strength, Add	0.56			
	For 60 PSI Compressive Strength, Add	0.89			
	For 115 PSI Compressive Strength, Add	3.85			
07 21 13 13-0019	SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.62		0.46	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For 25 PSI Compressive Strength, Add	0.30			
	For 40 PSI Compressive Strength, Add	0.70			
	For 60 PSI Compressive Strength, Add	1.11			
	For 115 PSI Compressive Strength, Add	4.83			
07 21 13 13-0020	SF 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.93		0.46	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For 25 PSI Compressive Strength, Add	0.35			
	For 40 PSI Compressive Strength, Add	0.82			
	For 60 PSI Compressive Strength, Add	1.29			
	For 115 PSI Compressive Strength, Add	5.63			
07 21 13 13-0021	SF 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.99		0.47	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For 25 PSI Compressive Strength, Add	0.35			
	For 40 PSI Compressive Strength, Add	0.84			
	For 60 PSI Compressive Strength, Add	1.32			
	For 115 PSI Compressive Strength, Add	5.76			
07 21 13 13-0022	SF 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.51		0.48	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For 25 PSI Compressive Strength, Add	0.59			
	For 40 PSI Compressive Strength, Add	1.41			
	For 60 PSI Compressive Strength, Add	2.19			
	For 115 PSI Compressive Strength, Add	9.61			
07 21 13 13-0023	SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	6.03		0.49	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For 25 PSI Compressive Strength, Add	0.83			
	For 40 PSI Compressive Strength, Add	1.98			
	For 60 PSI Compressive Strength, Add	3.06			
	For 115 PSI Compressive Strength, Add	13.47			
07 21 13 13-0024	SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	6.79		0.50	
	For Horizontal Surface Application, Deduct	-0.08			
	For Vapor Barrier, Integral With Insulation, Add	0.05			
	For 25 PSI Compressive Strength, Add	0.95			
	For 40 PSI Compressive Strength, Add	2.26			
	For 60 PSI Compressive Strength, Add	3.50			
	For 115 PSI Compressive Strength, Add	15.40			
07 21 13 13-0025	Mechanically Fastened Foam Board Insulation (07 21 13 13)				
	Note: Mechanically fastened to wood or steel.				
07 21 13 13-0026	Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board				
	Insulation (07 21 13 13-0025)				
	Note: Mechanically fastened to wood or steel.				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0027	SF		1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.31	0.47
			For Horizontal Surface Application, Deduct	-0.09	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 13-0028	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	6.13	0.47
			For Horizontal Surface Application, Deduct	-0.10	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.96	
			For Mechanically Fastened To Gypsum, Add	2.37	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.81	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 13-0029	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	7.29	0.48
			For Horizontal Surface Application, Deduct	-0.10	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.96	
			For Mechanically Fastened To Gypsum, Add	2.37	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.81	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47	
07 21 13 13-0030	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	9.68	0.49
			For Horizontal Surface Application, Deduct	-0.10	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	2.01	
			For Mechanically Fastened To Gypsum, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.15	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.74	
07 21 13 13-0031 Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0025)					
07 21 13 13-0032	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.91	0.46
			For Horizontal Surface Application, Deduct	-0.09	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 13-0033	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.98	0.46
			For Horizontal Surface Application, Deduct	-0.09	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 13-0034	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.25	0.46
			For Horizontal Surface Application, Deduct	-0.09	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 13-0035	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.54	0.47
			For Horizontal Surface Application, Deduct	-0.09	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 21 13 13-0036	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	3.77	0.48
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Mechanically Fastened To Concrete, Add	1.96	
	For Mechanically Fastened To Gypsum, Add	2.37	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.81	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47	
07 21 13 13-0037	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	4.98	0.49
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Mechanically Fastened To Concrete, Add	2.01	
	For Mechanically Fastened To Gypsum, Add	2.45	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.15	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.74	
07 21 13 13-0038	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	6.25	0.50
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Mechanically Fastened To Concrete, Add	2.07	
	For Mechanically Fastened To Gypsum, Add	2.47	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.33	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.00	
07 21 13 13-0039	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	7.57	0.51
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Mechanically Fastened To Concrete, Add	2.13	
	For Mechanically Fastened To Gypsum, Add	2.84	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.49	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	9.39	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.25	
07 21 13 13-0040	SF 6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	8.97	0.52
	For Horizontal Surface Application, Deduct	-0.11	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Mechanically Fastened To Concrete, Add	2.18	
	For Mechanically Fastened To Gypsum, Add	2.42	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.91	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.52	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.75	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.86	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.30	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.65	
07 21 13 13-0041	Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation (07 21 13 13-0025)		
	Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 21 13 13-0042	SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.19	0.46
	For Horizontal Surface Application, Deduct	-0.09	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For 25 PSI Compressive Strength, Add	0.20	
	For 40 PSI Compressive Strength, Add	0.48	
	For 60 PSI Compressive Strength, Add	0.78	
	For 115 PSI Compressive Strength, Add	3.36	
	For Mechanically Fastened To Concrete, Add	1.90	
	For Mechanically Fastened To Gypsum, Add	2.43	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 13-0043	SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.57	0.46
	For Horizontal Surface Application, Deduct	-0.09	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For 25 PSI Compressive Strength, Add	0.26	
	For 40 PSI Compressive Strength, Add	0.63	
	For 60 PSI Compressive Strength, Add	1.00	
	For 115 PSI Compressive Strength, Add	4.33	
	For Mechanically Fastened To Concrete, Add	1.90	
	For Mechanically Fastened To Gypsum, Add	2.43	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0044	SF	3/4"	Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	2.88	0.46
			For Horizontal Surface Application, Deduct	-0.09	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For 25 PSI Compressive Strength, Add	0.31	
			For 40 PSI Compressive Strength, Add	0.74	
			For 60 PSI Compressive Strength, Add	1.18	
			For 115 PSI Compressive Strength, Add	5.13	
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 13-0045	SF	1"	Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	2.94	0.47
			For Horizontal Surface Application, Deduct	-0.09	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For 25 PSI Compressive Strength, Add	0.32	
			For 40 PSI Compressive Strength, Add	0.76	
			For 60 PSI Compressive Strength, Add	1.21	
			For 115 PSI Compressive Strength, Add	5.26	
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 13-0046	SF	2"	Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	4.57	0.48
			For Horizontal Surface Application, Deduct	-0.10	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For 25 PSI Compressive Strength, Add	0.58	
			For 40 PSI Compressive Strength, Add	1.37	
			For 60 PSI Compressive Strength, Add	2.14	
			For 115 PSI Compressive Strength, Add	9.35	
			For Mechanically Fastened To Concrete, Add	1.96	
			For Mechanically Fastened To Gypsum, Add	2.37	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.81	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47	
07 21 13 13-0047	SF	3"	Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	6.18	0.49
			For Horizontal Surface Application, Deduct	-0.10	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For 25 PSI Compressive Strength, Add	0.83	
			For 40 PSI Compressive Strength, Add	1.97	
			For 60 PSI Compressive Strength, Add	3.06	
			For 115 PSI Compressive Strength, Add	13.44	
			For Mechanically Fastened To Concrete, Add	2.01	
			For Mechanically Fastened To Gypsum, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.15	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.74	
07 21 13 13-0048	SF	4"	Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	7.11	0.50
			For Horizontal Surface Application, Deduct	-0.10	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For 25 PSI Compressive Strength, Add	0.98	
			For 40 PSI Compressive Strength, Add	2.32	
			For 60 PSI Compressive Strength, Add	3.59	
			For 115 PSI Compressive Strength, Add	15.78	
			For Mechanically Fastened To Concrete, Add	2.07	
			For Mechanically Fastened To Gypsum, Add	2.47	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.33	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.00	

07 21 13 16 Fibrous Board Insulation (07 21 13)

07 21 13 16-0001			Cold Adhesive Applied Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0002			Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0001)		
07 21 13 16-0003	SF	1"	Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied.....	2.82	0.58
			For Horizontal Surface Application, Deduct	-0.10	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Factory Painted On One Surface Add	0.17	
07 21 13 16-0004	SF	2"	Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied.....	4.14	0.70
			For Horizontal Surface Application, Deduct	-0.12	
			For Vapor Barrier, Integral With Insulation, Add	0.05	
			For Factory Painted On One Surface Add	0.17	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	5.45	0.82
		For Horizontal Surface Application, Deduct	-0.14	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation (07 21 13 16-0001)				
07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.02	0.47
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.93	0.47
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.31	0.48
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.43	0.48
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.56	0.49
		For Horizontal Surface Application, Deduct	-0.08	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation (07 21 13 16)				
Note: Mechanically fastened to wood or steel.				
07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0012)				
Note: Mechanically fastened to wood or steel.				
07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	2.62	0.58
		For Horizontal Surface Application, Deduct	-0.10	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.90	
		For Mechanically Fastened To Gypsum, Add	2.43	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	4.03	0.70
		For Horizontal Surface Application, Deduct	-0.12	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.96	
		For Mechanically Fastened To Gypsum, Add	2.37	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.81	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47	
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	5.43	0.82
		For Horizontal Surface Application, Deduct	-0.14	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	2.01	
		For Mechanically Fastened To Gypsum, Add	2.45	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.15	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.74	
07 21 13 16-0017 Mechanically Fastened, Fiberglass, Fibrous Board Insulation (07 21 13 16-0012)				
Note: Mechanically fastened to wood or steel.				
07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	4.97	0.47
		For Horizontal Surface Application, Deduct	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	0.05	
		For Factory Painted On One Surface Add	0.17	
		For Mechanically Fastened To Concrete, Add	1.90	
		For Mechanically Fastened To Gypsum, Add	2.43	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	.....	5.98	0.47
		For Horizontal Surface Application, Deduct	.....	-0.10	
		For Vapor Barrier, Integral With Insulation, Add	.....	0.05	
		For Factory Painted On One Surface Add	.....	0.17	
		For Mechanically Fastened To Concrete, Add	.....	1.96	
		For Mechanically Fastened To Gypsum, Add	.....	2.37	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	.....	0.98	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	.....	2.56	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	.....	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	.....	1.48	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	.....	3.81	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	.....	4.42	
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	.....	7.37	0.48
		For Horizontal Surface Application, Deduct	.....	-0.10	
		For Vapor Barrier, Integral With Insulation, Add	.....	0.05	
		For Factory Painted On One Surface Add	.....	0.17	
		For Mechanically Fastened To Concrete, Add	.....	1.96	
		For Mechanically Fastened To Gypsum, Add	.....	2.37	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	.....	0.98	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	.....	2.56	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	.....	2.97	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	.....	1.48	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	.....	3.81	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	.....	4.47	
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	.....	8.60	0.48
		For Horizontal Surface Application, Deduct	.....	-0.10	
		For Vapor Barrier, Integral With Insulation, Add	.....	0.05	
		For Factory Painted On One Surface Add	.....	0.17	
		For Mechanically Fastened To Concrete, Add	.....	2.01	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	.....	1.13	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	.....	2.71	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	.....	1.69	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	.....	4.08	
		For Mechanically Fastened To Gypsum, Add	.....	2.40	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	.....	3.10	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	.....	4.66	
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	.....	9.71	0.49
		For Horizontal Surface Application, Deduct	.....	-0.10	
		For Vapor Barrier, Integral With Insulation, Add	.....	0.05	
		For Factory Painted On One Surface Add	.....	0.17	
		For Mechanically Fastened To Concrete, Add	.....	2.01	
		For Mechanically Fastened To Gypsum, Add	.....	2.45	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	.....	1.13	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	.....	2.71	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	.....	3.15	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	.....	1.69	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	.....	4.08	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	.....	4.74	
07 21 13 19 Mineral Board Insulation (07 21 13)					
07 21 13 19-0001			Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002			Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0001)		
07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	.....	2.14	0.52
		For Horizontal Surface Application, Deduct	.....	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	.....	0.05	
		For Factory Painted On One Surface Add	.....	0.17	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	.....	2.54	0.55
		For Horizontal Surface Application, Deduct	.....	-0.09	
		For Vapor Barrier, Integral With Insulation, Add	.....	0.05	
		For Factory Painted On One Surface Add	.....	0.17	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	.....	2.95	0.58
		For Horizontal Surface Application, Deduct	.....	-0.10	
		For Vapor Barrier, Integral With Insulation, Add	.....	0.05	
		For Factory Painted On One Surface Add	.....	0.17	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	.....	3.68	0.64
		For Horizontal Surface Application, Deduct	.....	-0.11	
		For Vapor Barrier, Integral With Insulation, Add	.....	0.05	
		For Factory Painted On One Surface Add	.....	0.17	
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	.....	4.41	0.70
		For Horizontal Surface Application, Deduct	.....	-0.12	
		For Vapor Barrier, Integral With Insulation, Add	.....	0.05	
		For Factory Painted On One Surface Add	.....	0.17	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	.....	5.86	0.82
		For Horizontal Surface Application, Deduct	.....	-0.14	
		For Vapor Barrier, Integral With Insulation, Add	.....	0.05	
		For Factory Painted On One Surface Add	.....	0.17	
07 21 13 19-0009			Mechanically Fastened Mineral Board Insulation (07 21 13 19)		
			Note: Mechanically fastened to wood or steel.		
07 21 13 19-0010			Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0009)		
			Note: Mechanically fastened to wood or steel.		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 21 13 19-0011	SF 1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.93	0.52
	For Horizontal Surface Application, Deduct	-0.09	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.90	
	For Mechanically Fastened To Gypsum, Add	2.43	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 19-0012	SF 25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.34	0.55
	For Horizontal Surface Application, Deduct	-0.09	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.90	
	For Mechanically Fastened To Gypsum, Add	2.43	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 19-0013	SF 1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.75	0.58
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.90	
	For Mechanically Fastened To Gypsum, Add	2.43	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.50	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.76	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 19-0014	SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	3.57	0.64
	For Horizontal Surface Application, Deduct	-0.11	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.96	
	For Mechanically Fastened To Gypsum, Add	2.37	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.81	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 21 13 19-0015	SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	4.30	0.70
	For Horizontal Surface Application, Deduct	-0.12	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.96	
	For Mechanically Fastened To Gypsum, Add	2.37	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.81	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47	
07 21 13 19-0016	SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	5.84	0.82
	For Horizontal Surface Application, Deduct	-0.14	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	2.01	
	For Mechanically Fastened To Gypsum, Add	2.45	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.15	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.74	

07 21 16 Blanket Insulation (07 21)

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)

07 21 16 00-0003	SF 3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.65	0.50
	For >1,600, Deduct	-0.18	
07 21 16 00-0004	SF 3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.78	0.50
	For >1,600, Deduct	-0.21	
07 21 16 00-0005	SF 3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.82	0.50
	For >1,600, Deduct	-0.22	
07 21 16 00-0006	SF 5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	2.44	0.50
	For >1,600, Deduct	-0.33	
07 21 16 00-0007	SF 6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	2.07	0.50
	For >1,600, Deduct	-0.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	2.87	0.63	
		<i>For >1,600, Deduct</i>	-0.39		
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	3.25	0.63	
		<i>For >1,600, Deduct</i>	-0.44		
07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)					
07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.56	0.50	
		<i>For >1,600, Deduct</i>	-0.16		
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.71	0.50	
		<i>For >1,600, Deduct</i>	-0.19		
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	2.16	0.50	
		<i>For >1,600, Deduct</i>	-0.28		
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	2.34	0.50	
		<i>For >1,600, Deduct</i>	-0.31		
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	2.44	0.50	
		<i>For >1,600, Deduct</i>	-0.33		
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	2.70	0.63	
		<i>For >1,600, Deduct</i>	-0.36		
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	3.14	0.63	
		<i>For >1,600, Deduct</i>	-0.42		
07 21 16 00-0018 Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)					
07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.89	0.50	
		<i>For >1,600, Deduct</i>	-0.23		
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	2.11	0.50	
		<i>For >1,600, Deduct</i>	-0.27		
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	2.37	0.50	
		<i>For >1,600, Deduct</i>	-0.31		
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.35	0.63	
		<i>For >1,600, Deduct</i>	-0.47		
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.67	0.63	
		<i>For >1,600, Deduct</i>	-0.52		
07 21 16 00-0024 Poly-Encapsulated, Fiberglass Flexible Insulation (07 21 16 00-0001)					
07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.69	0.50	
		<i>For >1,600, Deduct</i>	-0.19		
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.82	0.50	
		<i>For >1,600, Deduct</i>	-0.22		
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	2.52	0.50	
		<i>For >1,600, Deduct</i>	-0.35		
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	2.09	0.50	
		<i>For >1,600, Deduct</i>	-0.26		
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	2.79	0.63	
		<i>For >1,600, Deduct</i>	-0.39		
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	3.14	0.63	
		<i>For >1,600, Deduct</i>	-0.42		
07 21 16 00-0031 Mineral Wool Flexible Insulation (07 21 16)					
07 21 16 00-0032 Kraft Faced, Mineral Wool Flexible Insulation (07 21 16 00-0031)					
07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation.....	1.84	0.50	
		<i>For >1,600, Deduct</i>	-0.22		
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation.....	2.47	0.50	
		<i>For >1,600, Deduct</i>	-0.33		
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation.....	3.86	0.50	
		<i>For >1,600, Deduct</i>	-0.59		
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation.....	4.59	0.50	
		<i>For >1,600, Deduct</i>	-0.71		
07 21 16 00-0037 Unfaced, Mineral Wool Flexible Insulation (07 21 16 00-0031)					
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation.....	1.72	0.50	
		<i>For >1,600, Deduct</i>	-0.20		
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation.....	2.26	0.50	
		<i>For >1,600, Deduct</i>	-0.29		
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation.....	3.46	0.50	
		<i>For >1,600, Deduct</i>	-0.51		
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	4.11	0.50	
		<i>For >1,600, Deduct</i>	-0.61		
07 21 16 00-0042 Natural Cotton Insulation (07 21 16)					
07 21 16 00-0043 UltraTouch™ Natural Cotton Insulation (07 21 16 00-0042)					
Note: 85% recycled denim cotton.					
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	2.53	0.50	
		<i>For >1,600, Deduct</i>	-0.36		
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	2.84	0.50	
		<i>For >1,600, Deduct</i>	-0.41		
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	3.17	0.50	
		<i>For >1,600, Deduct</i>	-0.48		
07 21 16 00-0047	SF	8", R-30 UltraTouch™ Natural Cotton Insulation	4.22	0.50	
		<i>For >1,600, Deduct</i>	-0.67		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
07 21 19 Foamed-In-Place Insulation (07 21)**07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On (07 21 19)**

07 21 19 00-0002	EA	Foamed-In-Place, Spray Polyurethane Insulation Minimum Charge	1,586.80
		Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
07 21 19 00-0003	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.61
		For Up To 250 SF, Add	0.61
		For >250 To 500 SF, Add	0.31
		For >500 To 1,000 SF, Add	0.13
		For >5,000 To 10,000 SF, Deduct	-0.19
		For >10,000 SF, Deduct	-0.48
07 21 19 00-0004	SF	1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.18
		For Up To 250 SF, Add	0.80
		For >250 To 500 SF, Add	0.40
		For >500 To 1,000 SF, Add	0.17
		For >5,000 To 10,000 SF, Deduct	-0.26
		For >10,000 SF, Deduct	-0.63
07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.74
		For Up To 250 SF, Add	0.99
		For >250 To 500 SF, Add	0.49
		For >500 To 1,000 SF, Add	0.21
		For >5,000 To 10,000 SF, Deduct	-0.32
		For >10,000 SF, Deduct	-0.78
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.29
		For Up To 250 SF, Add	1.17
		For >250 To 500 SF, Add	0.58
		For >500 To 1,000 SF, Add	0.25
		For >5,000 To 10,000 SF, Deduct	-0.37
		For >10,000 SF, Deduct	-0.92
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.86
		For Up To 250 SF, Add	1.36
		For >250 To 500 SF, Add	0.68
		For >500 To 1,000 SF, Add	0.29
		For >5,000 To 10,000 SF, Deduct	-0.44
		For >10,000 SF, Deduct	-1.07
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.42
		For Up To 250 SF, Add	1.54
		For >250 To 500 SF, Add	0.77
		For >500 To 1,000 SF, Add	0.33
		For >5,000 To 10,000 SF, Deduct	-0.50
		For >10,000 SF, Deduct	-1.21
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.98
		For Up To 250 SF, Add	1.73
		For >250 To 500 SF, Add	0.86
		For >500 To 1,000 SF, Add	0.37
		For >5,000 To 10,000 SF, Deduct	-0.56
		For >10,000 SF, Deduct	-1.35
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.54
		For Up To 250 SF, Add	1.91
		For >250 To 500 SF, Add	0.95
		For >500 To 1,000 SF, Add	0.41
		For >5,000 To 10,000 SF, Deduct	-0.62
		For >10,000 SF, Deduct	-1.50
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.10
		For Up To 250 SF, Add	2.09
		For >250 To 500 SF, Add	1.05
		For >500 To 1,000 SF, Add	0.45
		For >5,000 To 10,000 SF, Deduct	-0.68
		For >10,000 SF, Deduct	-1.64
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.68
		For Up To 250 SF, Add	2.29
		For >250 To 500 SF, Add	1.14
		For >500 To 1,000 SF, Add	0.49
		For >5,000 To 10,000 SF, Deduct	-0.74
		For >10,000 SF, Deduct	-1.79
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	7.24
		For Up To 250 SF, Add	2.47
		For >250 To 500 SF, Add	1.24
		For >500 To 1,000 SF, Add	0.53
		For >5,000 To 10,000 SF, Deduct	-0.80
		For >10,000 SF, Deduct	-1.94
07 21 19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.11
		For Up To 250 SF, Add	1.17
		For >250 To 500 SF, Add	0.59
		For >500 To 1,000 SF, Add	0.25
		For >5,000 To 10,000 SF, Deduct	-0.37
		For >10,000 SF, Deduct	-0.92
07 21 19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.10
		For Up To 250 SF, Add	1.48
		For >250 To 500 SF, Add	0.74
		For >500 To 1,000 SF, Add	0.31
		For >5,000 To 10,000 SF, Deduct	-0.47
		For >10,000 SF, Deduct	-1.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0016	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.98		
		For Up To 250 SF, Add	1.73		
		For >250 To 500 SF, Add	0.86		
		For >500 To 1,000 SF, Add	0.37		
		For >5,000 To 10,000 SF, Deduct	-0.56		
		For >10,000 SF, Deduct	-1.35		
07 21 19 00-0017	SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.98		
		For Up To 250 SF, Add	2.03		
		For >250 To 500 SF, Add	1.02		
		For >500 To 1,000 SF, Add	0.44		
		For >5,000 To 10,000 SF, Deduct	-0.66		
		For >10,000 SF, Deduct	-1.59		
07 21 19 00-0018	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.87		
		For Up To 250 SF, Add	2.29		
		For >250 To 500 SF, Add	1.14		
		For >500 To 1,000 SF, Add	0.50		
		For >5,000 To 10,000 SF, Deduct	-0.74		
		For >10,000 SF, Deduct	-1.79		
07 21 19 00-0019	SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.88		
		For Up To 250 SF, Add	2.60		
		For >250 To 500 SF, Add	1.30		
		For >500 To 1,000 SF, Add	0.56		
		For >5,000 To 10,000 SF, Deduct	-0.85		
		For >10,000 SF, Deduct	-2.03		
07 21 19 00-0020	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.75		
		For Up To 250 SF, Add	2.85		
		For >250 To 500 SF, Add	1.42		
		For >500 To 1,000 SF, Add	0.62		
		For >5,000 To 10,000 SF, Deduct	-0.93		
		For >10,000 SF, Deduct	-2.23		
07 21 19 00-0021	SF	4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.75		
		For Up To 250 SF, Add	3.15		
		For >250 To 500 SF, Add	1.58		
		For >500 To 1,000 SF, Add	0.69		
		For >5,000 To 10,000 SF, Deduct	-1.03		
		For >10,000 SF, Deduct	-2.47		
07 21 19 00-0022	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.64		
		For Up To 250 SF, Add	3.41		
		For >250 To 500 SF, Add	1.70		
		For >500 To 1,000 SF, Add	0.75		
		For >5,000 To 10,000 SF, Deduct	-1.12		
		For >10,000 SF, Deduct	-2.66		
07 21 19 00-0023	SF	5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.64		
		For Up To 250 SF, Add	3.71		
		For >250 To 500 SF, Add	1.86		
		For >500 To 1,000 SF, Add	0.81		
		For >5,000 To 10,000 SF, Deduct	-1.22		
		For >10,000 SF, Deduct	-2.90		
07 21 19 00-0024	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	12.52		
		For Up To 250 SF, Add	3.96		
		For >250 To 500 SF, Add	1.98		
		For >500 To 1,000 SF, Add	0.87		
		For >5,000 To 10,000 SF, Deduct	-1.30		
		For >10,000 SF, Deduct	-3.09		
07 21 19 00-0025		Expanding Foam Insulation To Fill Hollow Metal Door Frames (07 21 19)			
07 21 19 00-0026	LF	Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	5.65		
07 21 19 00-0027	LF	Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	7.04		
07 21 19 00-0028	LF	Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	8.45		
07 21 19 00-0029	LF	Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	9.91		
07 21 19 00-0030	LF	Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame.....	11.46		
07 21 19 00-0031		Expanding Foam Insulation To Fill Window Frames (07 21 19)			
07 21 19 00-0032	LF	Expanding Foam Insulation To Fill Window Frame.....	5.54		
07 21 23		Loose-Fill Insulation (07 21)			
07 21 23 00-0001		Poured Type, Loose Fill Insulation (07 21 23)			
07 21 23 00-0002	CF	R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	7.54		2.90
07 21 23 00-0003	CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	8.03		2.90
07 21 23 00-0004		Concrete Block Wall Cavity Insulation (07 21 23)			
07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	10.59		2.90
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	10.49		2.90
07 21 26		Blown Insulation (07 21)			
07 21 26 00-0001		Fiberglass Blown-In Insulation (07 21 26)			
07 21 26 00-0002		Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)			
07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation.....	1.59		1.26
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.77		1.38
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation.....	1.97		1.51
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	2.20		1.63

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 21 Thermal Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	2.35	1.70
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation.....	2.53	1.75
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.74	1.82
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation.....	2.88	1.89
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation.....	3.09	2.01
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	3.26	2.07
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	3.52	2.14
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	3.82	2.26
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	4.43	2.51

07 21 26 00-0016 New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)

07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.39	1.26
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	3.20	1.51
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.80	1.63
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	4.53	1.75

07 21 26 00-0021 Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)

Note: Includes drilling. Excludes patching.

07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	2.26	1.26
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	3.07	1.51
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.67	1.63
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	4.41	1.75

07 21 26 00-0026 Cellulose Blown-In Insulation (07 21 26)**07 21 26 00-0027 Attic, Cellulose Blown-In Insulation (07 21 26 00-0026)**

07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.68	1.26
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	2.02	1.38
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	2.26	1.51
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.64	1.63
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.70	1.63
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	3.15	1.75
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	3.24	1.75
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	3.56	1.89
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	3.80	1.89
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	4.10	2.01
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	4.33	2.01

07 21 26 00-0039 New Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)

07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	2.28	1.26
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	3.04	1.51
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	3.58	1.63
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	4.25	1.75

07 21 26 00-0044 Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)

Note: Includes drilling. Excludes patching.

07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	2.15	1.26
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.92	1.51
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	3.46	1.63
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	4.12	1.75

07 21 29 Sprayed Insulation (07 21)**07 21 29 00-0001 Fiber Sprayed On Insulation (07 21 29)**

Note: Per each 1" of thickness.

07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation	2.74	0.78
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	2.00	0.78

07 21 29 00-0004 Cellulose Sprayed On Insulation (07 21 29)

07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation	3.94	0.78
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07 21 53 Reflective Insulation (07 21)**07 21 53 00-0001 Reflective Barrier Insulation (Foil - Single Bubble - Foil) (07 21 53)**

07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	1.23	
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07 22 Roof and Deck Insulation (07 20)**07 22 16 Roof Board Insulation (07 22)**

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001 Rigid Board Roofing Insulation (07 22 16)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0002		Cold Adhesive Applied Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0003		Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.80	
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.25	
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.68	
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.48	
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	5.28	
07 22 16 00-0009		Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.06	
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.55	
07 22 16 00-0012		Cold Adhesive Applied, Perlite, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.70	
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.70	
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.96	
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.27	
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.02	
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.51	
07 22 16 00-0019		Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0020	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.68	
07 22 16 00-0021	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.88	
07 22 16 00-0022	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	6.29	
07 22 16 00-0023		Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0024	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.67	
07 22 16 00-0025	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.83	
07 22 16 00-0026	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	10.14	
07 22 16 00-0027	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	13.25	
07 22 16 00-0028		Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0002)		
07 22 16 00-0029	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.48	
		For Loose-Laid, Deduct	-1.35	
07 22 16 00-0030	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.55	
		For Loose-Laid, Deduct	-1.35	
07 22 16 00-0031	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.84	
		For Loose-Laid, Deduct	-1.35	
07 22 16 00-0032	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.11	
		For Loose-Laid, Deduct	-1.35	
07 22 16 00-0033	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.25	
		For Loose-Laid, Deduct	-1.37	
07 22 16 00-0034	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.37	
		For Loose-Laid, Deduct	-1.39	
07 22 16 00-0035	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.50	
		For Loose-Laid, Deduct	-1.40	
07 22 16 00-0036	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.62	
		For Loose-Laid, Deduct	-1.42	
07 22 16 00-0037	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	8.76	
		For Loose-Laid, Deduct	-1.44	
07 22 16 00-0038		Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0002)		
		Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.51	
		For Loose-Laid, Deduct	-1.38	
		For 25 PSI Compressive Strength, Add	0.35	
		For 40 PSI Compressive Strength, Add	0.82	
		For 60 PSI Compressive Strength, Add	1.32	
		For 115 PSI Compressive Strength, Add	5.69	
07 22 16 00-0040	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.57	
		For Loose-Laid, Deduct	-1.38	
		For 25 PSI Compressive Strength, Add	0.35	
		For 40 PSI Compressive Strength, Add	0.84	
		For 60 PSI Compressive Strength, Add	1.35	
		For 115 PSI Compressive Strength, Add	5.82	
07 22 16 00-0041	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.50	
		For Loose-Laid, Deduct	-1.38	
		For 25 PSI Compressive Strength, Add	0.50	
		For 40 PSI Compressive Strength, Add	1.19	
		For 60 PSI Compressive Strength, Add	1.89	
		For 100 PSI Compressive Strength, Add	2.42	
		For 115 PSI Compressive Strength, Add	8.21	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0042	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.11
		<i>For Loose-Laid, Deduct</i>	-1.40
		<i>For 25 PSI Compressive Strength, Add</i>	0.59
		<i>For 40 PSI Compressive Strength, Add</i>	1.41
		<i>For 60 PSI Compressive Strength, Add</i>	2.22
		<i>For 115 PSI Compressive Strength, Add</i>	9.67
07 22 16 00-0043	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.15
		<i>For Loose-Laid, Deduct</i>	-1.40
		<i>For 25 PSI Compressive Strength, Add</i>	0.76
		<i>For 40 PSI Compressive Strength, Add</i>	1.81
		<i>For 60 PSI Compressive Strength, Add</i>	2.83
		<i>For 100 PSI Compressive Strength, Add</i>	3.63
		<i>For 115 PSI Compressive Strength, Add</i>	12.35
07 22 16 00-0044	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.64
		<i>For Loose-Laid, Deduct</i>	-1.42
		<i>For 25 PSI Compressive Strength, Add</i>	0.83
		<i>For 40 PSI Compressive Strength, Add</i>	1.98
		<i>For 60 PSI Compressive Strength, Add</i>	3.09
		<i>For 115 PSI Compressive Strength, Add</i>	13.53
07 22 16 00-0045	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.42
		<i>For Loose-Laid, Deduct</i>	-1.43
		<i>For 25 PSI Compressive Strength, Add</i>	0.95
		<i>For 40 PSI Compressive Strength, Add</i>	2.26
		<i>For 60 PSI Compressive Strength, Add</i>	3.53
		<i>For 115 PSI Compressive Strength, Add</i>	15.46

07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0002)

07 22 16 00-0047	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.17
		<i>For Loose-Laid, Deduct</i>	-1.38
		<i>For Foil Facer, Add</i>	0.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.18
07 22 16 00-0048	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.28
		<i>For Loose-Laid, Deduct</i>	-1.38
		<i>For Foil Facer, Add</i>	0.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.19
07 22 16 00-0049	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.47
		<i>For Loose-Laid, Deduct</i>	-1.39
		<i>For Foil Facer, Add</i>	0.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.21
07 22 16 00-0050	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.94
		<i>For Loose-Laid, Deduct</i>	-1.40
		<i>For Foil Facer, Add</i>	0.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.25
07 22 16 00-0051	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.41
		<i>For Loose-Laid, Deduct</i>	-1.41
		<i>For Foil Facer, Add</i>	0.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.30
07 22 16 00-0052	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.89
		<i>For Loose-Laid, Deduct</i>	-1.42
		<i>For Foil Facer, Add</i>	0.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.35
07 22 16 00-0053	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.40
		<i>For Loose-Laid, Deduct</i>	-1.43
		<i>For Foil Facer, Add</i>	0.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.40
07 22 16 00-0054	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.85
		<i>For Loose-Laid, Deduct</i>	-1.43
		<i>For Foil Facer, Add</i>	0.36
		<i>For 25 PSI Compressive Strength, Add</i>	0.44

07 22 16 00-0055 Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0002)

07 22 16 00-0056	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.67
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07 22 16 00-0057 Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0002)

07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.41
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.60
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.73
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.80

07 22 16 00-0062 Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0002)

07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.34
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.63
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.70

07 22 16 00-0066 Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation (07 22 16 00-0002)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.

07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.85
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0068	SF		2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.14	
07 22 16 00-0069	SF		2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.53	
07 22 16 00-0070	SF		3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.78	
07 22 16 00-0071	SF		3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.35	
07 22 16 00-0072	SF		4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.59	
07 22 16 00-0073	SF		4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.99	
07 22 16 00-0074			Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation (07 22 16 00-0002) Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF		2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.90	
07 22 16 00-0076	SF		3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.41	
07 22 16 00-0077	SF		3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.02	
07 22 16 00-0078	SF		4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.42	
07 22 16 00-0079	SF		4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.92	
07 22 16 00-0080	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.46	
07 22 16 00-0081	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	9.46	
07 22 16 00-0082			Hot-Mopped Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0083			Hot-Mopped, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0084	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.54	
07 22 16 00-0085	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.98	
07 22 16 00-0086	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.43	
07 22 16 00-0087	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.25	
07 22 16 00-0088	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	5.06	
07 22 16 00-0089			Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0090	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.80	
07 22 16 00-0091	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	3.29	
07 22 16 00-0092			Hot-Mopped, Perlite, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0093	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	2.42	
07 22 16 00-0094	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	2.67	
07 22 16 00-0095	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	2.98	
07 22 16 00-0096	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	3.73	
07 22 16 00-0097	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	4.21	
07 22 16 00-0098			Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0099	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.39	
07 22 16 00-0100	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	4.58	
07 22 16 00-0101	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	6.02	
07 22 16 00-0102			Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0103	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.37	
07 22 16 00-0104	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.54	
07 22 16 00-0105	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	9.87	
07 22 16 00-0106	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	12.99	
07 22 16 00-0107			Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0108	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.18	
07 22 16 00-0109	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.26	
07 22 16 00-0110	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.41	
07 22 16 00-0111	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.80	
07 22 16 00-0112	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.94	
07 22 16 00-0113	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.09	
07 22 16 00-0114	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	6.21	
07 22 16 00-0115	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	7.35	
07 22 16 00-0116	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	8.47	
07 22 16 00-0117			Hot-Mopped, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0082) Note: 15 PSI compressive strength.		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0118	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.21	
		For 25 PSI Compressive Strength, Add	0.28	
		For 40 PSI Compressive Strength, Add	0.66	
		For 60 PSI Compressive Strength, Add	1.08	
		For 115 PSI Compressive Strength, Add	4.59	
07 22 16 00-0119	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.29	
		For 25 PSI Compressive Strength, Add	0.29	
		For 40 PSI Compressive Strength, Add	0.68	
		For 60 PSI Compressive Strength, Add	1.11	
		For 115 PSI Compressive Strength, Add	4.75	
07 22 16 00-0120	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.21	
		For 25 PSI Compressive Strength, Add	0.43	
		For 40 PSI Compressive Strength, Add	1.03	
		For 60 PSI Compressive Strength, Add	1.65	
		For 100 PSI Compressive Strength, Add	2.11	
		For 115 PSI Compressive Strength, Add	7.11	
07 22 16 00-0121	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.98	
		For 25 PSI Compressive Strength, Add	0.52	
		For 40 PSI Compressive Strength, Add	1.25	
		For 60 PSI Compressive Strength, Add	1.99	
		For 115 PSI Compressive Strength, Add	8.60	
07 22 16 00-0122	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	19.66	
		For 25 PSI Compressive Strength, Add	0.69	
		For 40 PSI Compressive Strength, Add	1.64	
		For 60 PSI Compressive Strength, Add	3.27	
		For 100 PSI Compressive Strength, Add	4.01	
		For 115 PSI Compressive Strength, Add	12.64	
07 22 16 00-0123	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.37	
		For 25 PSI Compressive Strength, Add	0.76	
		For 40 PSI Compressive Strength, Add	1.82	
		For 60 PSI Compressive Strength, Add	2.85	
		For 115 PSI Compressive Strength, Add	12.44	
07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	7.15	
		For 25 PSI Compressive Strength, Add	0.88	
		For 40 PSI Compressive Strength, Add	2.10	
		For 60 PSI Compressive Strength, Add	3.29	
		For 115 PSI Compressive Strength, Add	14.37	

07 22 16 00-0125 Hot-Mopped, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0082)

07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.88	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.14	
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.00	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.15	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.17	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.17	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.64	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.21	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.14	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.26	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.62	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.30	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.97	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.35	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.58	
		For Foil Facer, Add	0.36	
		For 25 PSI Compressive Strength, Add	0.40	

07 22 16 00-0134 Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0082)

07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.15	
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.34	
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.47	
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.54	

07 22 16 00-0139 Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0082)

07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.08	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.37	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.44	

07 22 16 00-0143 Mechanically Fastened Rigid Board Roofing Insulation (07 22 16 00-0001)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0144 Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.59		
		For Mechanically Fastened To Concrete, Add	1.90		
		For Mechanically Fastened To Gypsum, Add	2.43		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.90		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.12		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	3.05		
		For Mechanically Fastened To Concrete, Add	1.90		
		For Mechanically Fastened To Gypsum, Add	2.43		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.16		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	3.48		
		For Mechanically Fastened To Concrete, Add	1.90		
		For Mechanically Fastened To Gypsum, Add	2.43		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.96		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.18		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	4.37		
		For Mechanically Fastened To Concrete, Add	1.96		
		For Mechanically Fastened To Gypsum, Add	2.43		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	5.17		
		For Mechanically Fastened To Concrete, Add	1.96		
		For Mechanically Fastened To Gypsum, Add	2.37		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.98		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47		
07 22 16 00-0150		Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0143)			
		Note: Mechanically fastened to wood or steel.			
07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.85		
		For Mechanically Fastened To Concrete, Add	1.90		
		For Mechanically Fastened To Gypsum, Add	2.43		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.96		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.18		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	3.35		
		For Mechanically Fastened To Concrete, Add	1.90		
		For Mechanically Fastened To Gypsum, Add	2.43		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.96		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.18		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0153		Mechanically Fastened, Perlite, Roof Board Insulation (07 22 16 00-0143)			
		Note: Mechanically fastened to wood or steel.			
07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened	2.50		
		For Mechanically Fastened To Concrete, Add	1.90		
		For Mechanically Fastened To Gypsum, Add	2.43		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.84		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.06		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	2.76		
		For Mechanically Fastened To Concrete, Add	1.90		
		For Mechanically Fastened To Gypsum, Add	2.43		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.85		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.07		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0156	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	3.07
		For Mechanically Fastened To Concrete, Add	1.90
		For Mechanically Fastened To Gypsum, Add	2.43
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.85
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.07
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0157	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	3.91
		For Mechanically Fastened To Concrete, Add	1.96
		For Mechanically Fastened To Gypsum, Add	2.43
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0158	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	4.39
		For Mechanically Fastened To Concrete, Add	1.96
		For Mechanically Fastened To Gypsum, Add	2.37
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47

07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-

0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0160	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	3.48
		For Mechanically Fastened To Concrete, Add	1.90
		For Mechanically Fastened To Gypsum, Add	2.43
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.85
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.07
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0161	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	4.77
		For Mechanically Fastened To Concrete, Add	1.96
		For Mechanically Fastened To Gypsum, Add	2.37
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47
07 22 16 00-0162	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	6.27
		For Mechanically Fastened To Concrete, Add	2.01
		For Mechanically Fastened To Gypsum, Add	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.21
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.55
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.74

07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0164	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	6.56
		For Mechanically Fastened To Concrete, Add	1.96
		For Mechanically Fastened To Gypsum, Add	2.43
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0165	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	7.72
		For Mechanically Fastened To Concrete, Add	1.96
		For Mechanically Fastened To Gypsum, Add	2.37
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47
07 22 16 00-0166	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	10.12
		For Mechanically Fastened To Concrete, Add	2.01
		For Mechanically Fastened To Gypsum, Add	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.21
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.55
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.74

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 22 16 00-0167	SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	13.39		
	For Mechanically Fastened To Concrete, Add	2.07		
	For Mechanically Fastened To Gypsum, Add	2.39		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93		
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.72		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41		
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.36		
07 22 16 00-0168	Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.			
07 22 16 00-0169	SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.28		
	For Mechanically Fastened To Concrete, Add	1.90		
	For Mechanically Fastened To Gypsum, Add	2.43		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.83		
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.05		
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0170	SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.35		
	For Mechanically Fastened To Concrete, Add	1.90		
	For Mechanically Fastened To Gypsum, Add	2.43		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.83		
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.05		
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0171	SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.63		
	For Mechanically Fastened To Concrete, Add	1.90		
	For Mechanically Fastened To Gypsum, Add	2.43		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.83		
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.05		
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0172	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.91		
	For Mechanically Fastened To Concrete, Add	1.90		
	For Mechanically Fastened To Gypsum, Add	2.43		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.83		
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.05		
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0173	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	4.14		
	For Mechanically Fastened To Concrete, Add	1.96		
	For Mechanically Fastened To Gypsum, Add	2.37		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56		
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86		
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47		
07 22 16 00-0174	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.36		
	For Mechanically Fastened To Concrete, Add	2.01		
	For Mechanically Fastened To Gypsum, Add	2.45		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.16		
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.21		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.53		
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.74		
07 22 16 00-0175	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	6.64		
	For Mechanically Fastened To Concrete, Add	2.07		
	For Mechanically Fastened To Gypsum, Add	2.47		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93		
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.33		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41		
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.00		
07 22 16 00-0176	SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	7.96		
	For Mechanically Fastened To Concrete, Add	2.13		
	For Mechanically Fastened To Gypsum, Add	2.45		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18		
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.96		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77		
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.72		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	9.64
		For Mechanically Fastened To Concrete, Add	2.18
		For Mechanically Fastened To Gypsum, Add	2.42
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.91
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.52
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	4.24
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.86
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.30
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	6.14

07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-

0143)

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.31
		For 25 PSI Compressive Strength, Add	0.31
		For 40 PSI Compressive Strength, Add	0.74
		For 60 PSI Compressive Strength, Add	1.20
		For 115 PSI Compressive Strength, Add	5.17
		For Mechanically Fastened To Concrete, Add	1.90
		For Mechanically Fastened To Gypsum, Add	2.43
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.85
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.07
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.37
		For 25 PSI Compressive Strength, Add	0.32
		For 40 PSI Compressive Strength, Add	0.76
		For 60 PSI Compressive Strength, Add	1.23
		For 115 PSI Compressive Strength, Add	5.30
		For Mechanically Fastened To Concrete, Add	1.90
		For Mechanically Fastened To Gypsum, Add	2.43
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.85
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.07
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.39
		For 25 PSI Compressive Strength, Add	0.48
		For 40 PSI Compressive Strength, Add	1.15
		For 60 PSI Compressive Strength, Add	1.83
		For 100 PSI Compressive Strength, Add	2.34
		For 115 PSI Compressive Strength, Add	7.92
		For Mechanically Fastened To Concrete, Add	1.96
		For Mechanically Fastened To Gypsum, Add	2.43
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	5.00
		For 25 PSI Compressive Strength, Add	0.58
		For 40 PSI Compressive Strength, Add	1.37
		For 60 PSI Compressive Strength, Add	2.16
		For 115 PSI Compressive Strength, Add	9.39
		For Mechanically Fastened To Concrete, Add	1.96
		For Mechanically Fastened To Gypsum, Add	2.37
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.14
		For 25 PSI Compressive Strength, Add	0.76
		For 40 PSI Compressive Strength, Add	1.80
		For 60 PSI Compressive Strength, Add	2.82
		For 100 PSI Compressive Strength, Add	3.63
		For 115 PSI Compressive Strength, Add	12.32
		For Mechanically Fastened To Concrete, Add	2.01
		For Mechanically Fastened To Gypsum, Add	2.40
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.17
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.10
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.54
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	.....	6.62	
		For 25 PSI Compressive Strength, Add	.....	0.83	
		For 40 PSI Compressive Strength, Add	.....	1.97	
		For 60 PSI Compressive Strength, Add	.....	3.08	
		For 115 PSI Compressive Strength, Add	.....	13.48	
		For Mechanically Fastened To Concrete, Add	.....	2.01	
		For Mechanically Fastened To Gypsum, Add	.....	2.45	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	.....	1.13	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	.....	3.18	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	.....	3.21	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	.....	1.69	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	.....	4.55	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	.....	4.74	
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	.....	7.56	
		For 25 PSI Compressive Strength, Add	.....	0.98	
		For 40 PSI Compressive Strength, Add	.....	2.32	
		For 60 PSI Compressive Strength, Add	.....	3.61	
		For 115 PSI Compressive Strength, Add	.....	15.82	
		For Mechanically Fastened To Concrete, Add	.....	2.07	
		For Mechanically Fastened To Gypsum, Add	.....	2.47	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	.....	1.33	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	.....	2.93	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	.....	3.33	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	.....	2.00	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	.....	4.41	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	.....	5.00	
07 22 16 00-0186		Mechanically Fastened, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0143)			
		Note: Mechanically fastened to wood or steel.			
07 22 16 00-0187	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	.....	2.96	
		For Foil Facer, Add	.....	0.36	
		For 25 PSI Compressive Strength, Add	.....	0.16	
		For Mechanically Fastened To Concrete, Add	.....	1.90	
		For Mechanically Fastened To Gypsum, Add	.....	2.43	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	.....	0.79	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	.....	2.85	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	.....	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	.....	1.20	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	.....	4.07	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	.....	4.42	
07 22 16 00-0188	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	.....	3.08	
		For Foil Facer, Add	.....	0.36	
		For 25 PSI Compressive Strength, Add	.....	0.17	
		For Mechanically Fastened To Concrete, Add	.....	1.90	
		For Mechanically Fastened To Gypsum, Add	.....	2.43	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	.....	0.79	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	.....	2.85	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	.....	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	.....	1.20	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	.....	4.07	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	.....	4.42	
07 22 16 00-0189	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	.....	3.35	
		For Foil Facer, Add	.....	0.36	
		For 25 PSI Compressive Strength, Add	.....	0.20	
		For Mechanically Fastened To Concrete, Add	.....	1.96	
		For Mechanically Fastened To Gypsum, Add	.....	2.43	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	.....	0.98	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	.....	2.56	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	.....	2.94	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	.....	1.48	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	.....	3.86	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	.....	4.42	
07 22 16 00-0190	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	.....	3.83	
		For Foil Facer, Add	.....	0.36	
		For 25 PSI Compressive Strength, Add	.....	0.24	
		For Mechanically Fastened To Concrete, Add	.....	1.96	
		For Mechanically Fastened To Gypsum, Add	.....	2.37	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	.....	0.98	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	.....	2.56	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	.....	2.97	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	.....	1.48	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	.....	3.86	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	.....	4.47	
07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	.....	4.39	
		For Foil Facer, Add	.....	0.36	
		For 25 PSI Compressive Strength, Add	.....	0.30	
		For Mechanically Fastened To Concrete, Add	.....	2.01	
		For Mechanically Fastened To Gypsum, Add	.....	2.40	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	.....	1.13	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	.....	3.18	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	.....	3.10	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	.....	1.69	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	.....	4.55	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	.....	4.66	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.87
		For Foil Facer, Add	0.36
		For 25 PSI Compressive Strength, Add	0.34
		For Mechanically Fastened To Concrete, Add	2.01
		For Mechanically Fastened To Gypsum, Add	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.21
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.55
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.74
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.54
		For Foil Facer, Add	0.36
		For 25 PSI Compressive Strength, Add	0.41
		For Mechanically Fastened To Concrete, Add	2.07
		For Mechanically Fastened To Gypsum, Add	2.39
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.73
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.37
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.99
		For Foil Facer, Add	0.36
		For 25 PSI Compressive Strength, Add	0.45
		For Mechanically Fastened To Concrete, Add	2.07
		For Mechanically Fastened To Gypsum, Add	2.47
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.33
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.00

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	3.47
		For Mechanically Fastened To Concrete, Add	1.90
		For Mechanically Fastened To Gypsum, Add	2.43
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.90
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.12
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.20
		For Mechanically Fastened To Concrete, Add	1.90
		For Mechanically Fastened To Gypsum, Add	2.43
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.90
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.12
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.40
		For Mechanically Fastened To Concrete, Add	1.90
		For Mechanically Fastened To Gypsum, Add	2.43
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.90
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.12
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.53
		For Mechanically Fastened To Concrete, Add	1.90
		For Mechanically Fastened To Gypsum, Add	2.43
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.90
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.12
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0201	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.59
		For Mechanically Fastened To Concrete, Add	1.90
		For Mechanically Fastened To Gypsum, Add	2.43
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.90
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.12
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)
(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.14		
		For Mechanically Fastened To Concrete, Add	1.90		
		For Mechanically Fastened To Gypsum, Add	2.43		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.90		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.12		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.43		
		For Mechanically Fastened To Concrete, Add	1.90		
		For Mechanically Fastened To Gypsum, Add	2.43		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.90		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.12		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.49		
		For Mechanically Fastened To Concrete, Add	1.90		
		For Mechanically Fastened To Gypsum, Add	2.43		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.90		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.12		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42		

07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation
(07 22 16 00-0143)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.74		
		For Mechanically Fastened To Concrete, Add	1.96		
		For Mechanically Fastened To Gypsum, Add	2.43		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47		
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.02		
		For Mechanically Fastened To Concrete, Add	1.96		
		For Mechanically Fastened To Gypsum, Add	2.37		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.97		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.47		
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.51		
		For Mechanically Fastened To Concrete, Add	2.01		
		For Mechanically Fastened To Gypsum, Add	2.40		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.40		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.10		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.66		
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.76		
		For Mechanically Fastened To Concrete, Add	2.01		
		For Mechanically Fastened To Gypsum, Add	2.45		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.40		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.21		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.74		
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.49		
		For Mechanically Fastened To Concrete, Add	2.07		
		For Mechanically Fastened To Gypsum, Add	2.39		
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33		
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93		
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.96		
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00		
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41		
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.60		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.73
		For Mechanically Fastened To Concrete, Add	2.07
		For Mechanically Fastened To Gypsum, Add	2.47
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.33
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.00
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	8.33
		For Mechanically Fastened To Concrete, Add	2.13
		For Mechanically Fastened To Gypsum, Add	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	4.26
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	6.02

07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation

(07 22 16 00-0143)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.89
		For Mechanically Fastened To Concrete, Add	2.01
		For Mechanically Fastened To Gypsum, Add	2.40
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.38
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.10
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.75
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.66
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.39
		For Mechanically Fastened To Concrete, Add	2.01
		For Mechanically Fastened To Gypsum, Add	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.39
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.21
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.76
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.74
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.16
		For Mechanically Fastened To Concrete, Add	2.07
		For Mechanically Fastened To Gypsum, Add	2.39
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.58
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.56
		For Mechanically Fastened To Concrete, Add	2.07
		For Mechanically Fastened To Gypsum, Add	2.47
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	3.33
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.00
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	8.25
		For Mechanically Fastened To Concrete, Add	2.13
		For Mechanically Fastened To Gypsum, Add	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	4.20
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.96
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	8.79
		For Mechanically Fastened To Concrete, Add	2.13
		For Mechanically Fastened To Gypsum, Add	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	4.20
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	5.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0221	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	10.08	
			For Mechanically Fastened To Concrete, Add	2.18	
			For Mechanically Fastened To Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.91	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	4.52	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.86	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.30	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	6.42	
07 22 16 00-0222			Rigid Board Tapered Roofing Insulation (07 22 16)		
			Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.		
07 22 16 00-0223			Cold Adhesive Applied Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)		
07 22 16 00-0224			Cold Adhesive Applied, Tapered Polyisocyanurate Board (07 22 16 00-0223)		
			Note: Includes polyurethane adhesive.		
07 22 16 00-0225			Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0226	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.72	
			For 25 PSI Compressive Strength, Add	0.37	
07 22 16 00-0227	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.83	
			For 25 PSI Compressive Strength, Add	0.42	
07 22 16 00-0228	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.50	
			For 25 PSI Compressive Strength, Add	0.49	
07 22 16 00-0229	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.16	
			For 25 PSI Compressive Strength, Add	0.55	
07 22 16 00-0230	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.82	
			For 25 PSI Compressive Strength, Add	0.62	
07 22 16 00-0231	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.97	
			For 25 PSI Compressive Strength, Add	0.67	
07 22 16 00-0232	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.63	
			For 25 PSI Compressive Strength, Add	0.74	
07 22 16 00-0233	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.30	
			For 25 PSI Compressive Strength, Add	0.81	
07 22 16 00-0234	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.96	
			For 25 PSI Compressive Strength, Add	0.87	
07 22 16 00-0235	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	16.08	
			For 25 PSI Compressive Strength, Add	0.92	
07 22 16 00-0236			Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0237	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.39	
			For 25 PSI Compressive Strength, Add	0.34	
07 22 16 00-0238	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.16	
			For 25 PSI Compressive Strength, Add	0.45	
07 22 16 00-0239	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.49	
			For 25 PSI Compressive Strength, Add	0.59	
07 22 16 00-0240	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.30	
			For 25 PSI Compressive Strength, Add	0.71	
07 22 16 00-0241	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.63	
			For 25 PSI Compressive Strength, Add	0.84	
07 22 16 00-0242	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	16.41	
			For 25 PSI Compressive Strength, Add	0.95	
07 22 16 00-0243			Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0224)		
07 22 16 00-0244	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.83	
			For 25 PSI Compressive Strength, Add	0.52	
07 22 16 00-0245	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.96	
			For 25 PSI Compressive Strength, Add	0.77	
07 22 16 00-0246	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	17.08	
			For 25 PSI Compressive Strength, Add	1.02	

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07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	21.20
		For 25 PSI Compressive Strength, Add	1.27
07 22 16 00-0248		Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0223) Note: Includes polyurethane adhesive.	
07 22 16 00-0249		Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0248)	
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.97
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.13
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.63
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.12
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.62
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.80
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.30
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.80
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	12.29
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	14.46
07 22 16 00-0260		Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0248)	
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.73
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.38
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	8.37
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.05
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	12.05
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	14.71
07 22 16 00-0267		Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0248)	
07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.88
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	11.55
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	15.20
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	19.36
07 22 16 00-0272		Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0223) Note: Includes polyurethane adhesive.	
07 22 16 00-0273		Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)	
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.57
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.69
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.32
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.95
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.58
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.73
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.37
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	13.00
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	13.63
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	15.76

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07 22 16 00-0284	Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)	
07 22 16 00-0285	SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.26
07 22 16 00-0286	SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.01
07 22 16 00-0287	SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.27
07 22 16 00-0288	SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.05
07 22 16 00-0289	SF 6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	13.31
07 22 16 00-0290	SF 7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	16.07
07 22 16 00-0291	Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0272)	
07 22 16 00-0292	SF 3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.64
	<i>For Mechanically Fastened To Concrete, Add</i>	2.01
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.45
07 22 16 00-0293	SF 5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.68
07 22 16 00-0294	SF 7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	16.70
07 22 16 00-0295	SF 9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	20.73
07 22 16 00-0296	Cold Adhesive Applied, Tapered Perlite Board (07 22 16 00-0223)	
	<i>Note: Includes polyurethane adhesive.</i>	
07 22 16 00-0297	Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0296)	
07 22 16 00-0298	SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.82
07 22 16 00-0299	SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.33
07 22 16 00-0300	SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.62
07 22 16 00-0301	SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.20
07 22 16 00-0302	SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.48
07 22 16 00-0303	SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.01
07 22 16 00-0304	SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.30
07 22 16 00-0305	SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.87
07 22 16 00-0306	SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.16
07 22 16 00-0307	SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	18.69
07 22 16 00-0308	Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0296)	
07 22 16 00-0309	SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.17
07 22 16 00-0310	SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.98
07 22 16 00-0311	SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.84
07 22 16 00-0312	SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.66
07 22 16 00-0313	SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.52
07 22 16 00-0314	SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.33
07 22 16 00-0315	Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0296)	
07 22 16 00-0316	SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.27
07 22 16 00-0317	SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.94
07 22 16 00-0318	SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	20.62
07 22 16 00-0319	SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	25.29
07 22 16 00-0320	Hot-Mopped Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)	
07 22 16 00-0321	Hot-Mopped, Tapered Polyisocyanurate Board (07 22 16 00-0320)	
07 22 16 00-0322	Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)	
07 22 16 00-0323	SF 2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.29
	<i>For 25 PSI Compressive Strength, Add</i>	0.33
07 22 16 00-0324	SF 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.41
	<i>For 25 PSI Compressive Strength, Add</i>	0.34
07 22 16 00-0325	SF 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.07
	<i>For 25 PSI Compressive Strength, Add</i>	0.41
07 22 16 00-0326	SF 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.35
	<i>For 25 PSI Compressive Strength, Add</i>	0.47
07 22 16 00-0327	SF 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.40
	<i>For 25 PSI Compressive Strength, Add</i>	0.54
07 22 16 00-0328	SF 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.31
	<i>For 25 PSI Compressive Strength, Add</i>	0.55
07 22 16 00-0329	SF 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.98
	<i>For 25 PSI Compressive Strength, Add</i>	0.62
07 22 16 00-0330	SF 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.64
	<i>For 25 PSI Compressive Strength, Add</i>	0.69

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07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	13.30	
		<i>For 25 PSI Compressive Strength, Add</i>	0.75	
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	15.21	
		<i>For 25 PSI Compressive Strength, Add</i>	0.77	
07 22 16 00-0333 Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)				
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.16	
		<i>For 25 PSI Compressive Strength, Add</i>	0.29	
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	7.74	
		<i>For 25 PSI Compressive Strength, Add</i>	0.37	
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	9.07	
		<i>For 25 PSI Compressive Strength, Add</i>	0.51	
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	11.65	
		<i>For 25 PSI Compressive Strength, Add</i>	0.59	
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	12.97	
		<i>For 25 PSI Compressive Strength, Add</i>	0.72	
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	15.54	
		<i>For 25 PSI Compressive Strength, Add</i>	0.80	
07 22 16 00-0340 Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)				
07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	8.40	
		<i>For 25 PSI Compressive Strength, Add</i>	0.44	
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	12.31	
		<i>For 25 PSI Compressive Strength, Add</i>	0.65	
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	16.21	
		<i>For 25 PSI Compressive Strength, Add</i>	0.87	
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	20.12	
		<i>For 25 PSI Compressive Strength, Add</i>	1.08	
07 22 16 00-0345 Hot-Mopped, Tapered Perlite Board (07 22 16 00-0320)				
07 22 16 00-0346 Hot-Mopped, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0345)				
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.92	
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	8.91	
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.20	
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	10.10	
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	11.39	
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	13.36	
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	14.65	
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	14.55	
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	15.84	
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	17.82	
07 22 16 00-0357 Hot-Mopped, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0345)				
07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.28	
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	9.55	
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	10.75	
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	14.00	
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	15.20	
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	18.46	
07 22 16 00-0364 Hot-Mopped, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0345)				
07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	10.84	
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	15.29	
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	87.78	
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	24.21	
07 22 16 00-0369 Mechanically Fastened Tapered Roofing Insulation (07 22 16 00-0222)				
Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.				
07 22 16 00-0370 Mechanically Fastened, Tapered Polyisocyanurate Board (07 22 16 00-0369)				
Note: Mechanically fastened to wood or steel.				
07 22 16 00-0371 Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)				
07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.61	
		<i>For 25 PSI Compressive Strength, Add</i>	0.36	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.96	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.34	
		<i>For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add</i>	0.98	
		<i>For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add</i>	2.56	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add</i>	2.94	
		<i>For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add</i>	1.48	
		<i>For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add</i>	3.86	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add</i>	4.42	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 22 16 00-0373	SF 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened		7.15	
	For 25 PSI Compressive Strength, Add	0.35		
	For Mechanically Fastened To Concrete, Add	2.01		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.40		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.10		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66		
07 22 16 00-0374	SF 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened		7.81	
	For 25 PSI Compressive Strength, Add	0.42		
	For Mechanically Fastened To Concrete, Add	2.01		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.15		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.74		
07 22 16 00-0375	SF 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened		8.63	
	For 25 PSI Compressive Strength, Add	0.50		
	For Mechanically Fastened To Concrete, Add	2.07		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.39		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.25		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.89		
07 22 16 00-0376	SF 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened		9.30	
	For 25 PSI Compressive Strength, Add	0.57		
	For Mechanically Fastened To Concrete, Add	2.07		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.47		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.33		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.00		
07 22 16 00-0377	SF 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened		10.97	
	For 25 PSI Compressive Strength, Add	0.57		
	For Mechanically Fastened To Concrete, Add	2.13		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.49		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.25		
07 22 16 00-0378	SF 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened		11.63	
	For 25 PSI Compressive Strength, Add	0.64		
	For Mechanically Fastened To Concrete, Add	2.13		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.49		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.25		
07 22 16 00-0379	SF 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened		12.58	
	For 25 PSI Compressive Strength, Add	0.73		
	For Mechanically Fastened To Concrete, Add	2.18		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.91		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.52		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.75		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.86		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.30		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.65		
07 22 16 00-0380	SF 6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened		13.24	
	For 25 PSI Compressive Strength, Add	0.80		
	For Mechanically Fastened To Concrete, Add	2.18		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42		
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.91		
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.52		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.75		
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.86		
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.30		
	For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.65		

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	15.00
		For 25 PSI Compressive Strength, Add.....	0.81
		For Mechanically Fastened To Concrete, Add.....	2.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.51
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	2.21
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	3.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	4.15
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	3.31
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	5.75
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	6.24

07 22 16 00-0382 Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)

07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.28
		For 25 PSI Compressive Strength, Add.....	0.33
		For Mechanically Fastened To Concrete, Add.....	1.96
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.34
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	0.98
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	2.56
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	1.48
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	3.86
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	4.42
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.48
		For 25 PSI Compressive Strength, Add.....	0.39
		For Mechanically Fastened To Concrete, Add.....	2.01
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.40
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.13
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	2.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.10
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	1.69
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	4.08
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	4.66
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.97
		For 25 PSI Compressive Strength, Add.....	0.53
		For Mechanically Fastened To Concrete, Add.....	2.07
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.39
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.33
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	2.93
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.25
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	2.00
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	4.41
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	4.89
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.30
		For 25 PSI Compressive Strength, Add.....	0.61
		For Mechanically Fastened To Concrete, Add.....	2.13
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.57
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	3.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.49
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	2.35
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	4.77
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	5.25
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	12.91
		For 25 PSI Compressive Strength, Add.....	0.77
		For Mechanically Fastened To Concrete, Add.....	2.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.42
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.91
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	3.52
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.75
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	2.86
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	5.30
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	5.65
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	15.33
		For 25 PSI Compressive Strength, Add.....	0.85
		For Mechanically Fastened To Concrete, Add.....	2.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.51
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	2.21
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	3.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	4.15
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	3.31
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	5.75
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	6.24

07 22 16 00-0389 Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0370)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0390	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.14	
			For 25 PSI Compressive Strength, Add	0.45	
			For Mechanically Fastened To Concrete, Add	2.01	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.15	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.74	
07 22 16 00-0391	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.57	
			For 25 PSI Compressive Strength, Add	0.63	
			For Mechanically Fastened To Concrete, Add	2.13	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.25	
07 22 16 00-0392	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	16.00	
			For 25 PSI Compressive Strength, Add	0.91	
			For Mechanically Fastened To Concrete, Add	2.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.51	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.21	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.82	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.15	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.31	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.75	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.24	
07 22 16 00-0393	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	20.27	
			For 25 PSI Compressive Strength, Add	1.18	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	3.07	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	4.45	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.60	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	6.66	
07 22 16 00-0394			Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0369) Note: Mechanically fastened to wood or steel.		
07 22 16 00-0395			Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)		
07 22 16 00-0396	SF		2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.86	
			For Mechanically Fastened To Concrete, Add	1.96	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 22 16 00-0397	SF		2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.44	
			For Mechanically Fastened To Concrete, Add	2.01	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.40	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.10	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0398	SF		3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.94	
			For Mechanically Fastened To Concrete, Add	2.01	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.15	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.74	
07 22 16 00-0399	SF		3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.60	
			For Mechanically Fastened To Concrete, Add	2.07	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.25	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.89	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.09
		For Mechanically Fastened To Concrete, Add.....	2.07
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.47
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.33
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	2.93
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.33
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	2.00
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	4.41
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	5.00
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.80
		For Mechanically Fastened To Concrete, Add.....	2.13
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.57
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	3.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.49
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	2.35
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	4.77
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	5.25
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.30
		For Mechanically Fastened To Concrete, Add.....	2.13
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.57
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	3.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.49
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	2.35
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	4.77
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	5.25
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	11.08
		For Mechanically Fastened To Concrete, Add.....	2.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.42
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.91
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	3.52
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.75
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	2.86
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	5.30
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	5.65
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	11.58
		For Mechanically Fastened To Concrete, Add.....	2.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.42
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.91
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	3.52
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.75
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	2.86
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	5.30
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	5.65
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	13.38
		For Mechanically Fastened To Concrete, Add.....	2.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.51
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	2.21
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	3.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	4.15
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	3.31
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	5.75
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	6.24

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)
(07 22 16 00-0394)

07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.61
		For Mechanically Fastened To Concrete, Add.....	1.96
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.34
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	0.98
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	2.56
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	1.48
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	3.86
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	4.42
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.69
		For Mechanically Fastened To Concrete, Add.....	2.01
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.40
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.13
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	2.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.10
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	1.69
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	4.08
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	4.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0409	SF		4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.85	
			For Mechanically Fastened To Concrete, Add	2.07	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.25	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.89	
07 22 16 00-0410	SF		5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.05	
			For Mechanically Fastened To Concrete, Add	2.13	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.25	
07 22 16 00-0411	SF		6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	11.33	
			For Mechanically Fastened To Concrete, Add	2.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.91	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.75	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.86	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.30	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.65	
07 22 16 00-0412	SF		7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	13.63	
			For Mechanically Fastened To Concrete, Add	2.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.51	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.21	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.82	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.15	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.31	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.75	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.24	
07 22 16 00-0413			Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)		
07 22 16 00-0414	SF		3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.19	
			For Mechanically Fastened To Concrete, Add	2.01	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.15	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.74	
07 22 16 00-0415	SF		5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.55	
			For Mechanically Fastened To Concrete, Add	2.13	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.25	
07 22 16 00-0416	SF		7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	14.13	
			For Mechanically Fastened To Concrete, Add	2.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.51	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.21	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.82	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.15	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.31	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.75	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.24	
07 22 16 00-0417	SF		9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	18.44	
			For Mechanically Fastened To Concrete, Add	1.99	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	3.07	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	4.45	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.60	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	6.66	
07 22 16 00-0418			Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0369)		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0419			Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0429	SF		6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	14.68	
			For Mechanically Fastened To Concrete, Add	2.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.51	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.21	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.82	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.15	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.31	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.75	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.24	
07 22 16 00-0430			Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)		
07 22 16 00-0431	SF		2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.14	
			For Mechanically Fastened To Concrete, Add	1.96	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 22 16 00-0432	SF		3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.32	
			For Mechanically Fastened To Concrete, Add	2.01	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.40	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.10	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0433	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.74	
			For Mechanically Fastened To Concrete, Add	2.07	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.25	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.89	
07 22 16 00-0434	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.05	
			For Mechanically Fastened To Concrete, Add	2.13	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.25	
07 22 16 00-0435	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	12.60	
			For Mechanically Fastened To Concrete, Add	2.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.91	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.75	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.86	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.30	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.65	
07 22 16 00-0436	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	14.99	
			For Mechanically Fastened To Concrete, Add	2.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.51	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.21	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.82	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.15	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.31	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.75	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.24	
07 22 16 00-0437			Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) (07 22 16 00-0418)		
07 22 16 00-0438	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.95	
			For Mechanically Fastened To Concrete, Add	2.01	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.15	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.74	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.68
		For Mechanically Fastened To Concrete, Add	2.13
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.49
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.25
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	15.62
		For Mechanically Fastened To Concrete, Add	2.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.51
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.21
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.15
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.31
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.75
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.24
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	19.55
		For Mechanically Fastened To Concrete, Add	1.99
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	3.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	4.45
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.60
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	6.66

07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board (07 22 16 00-0369)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0442)

07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.04
		For Mechanically Fastened To Concrete, Add	1.96
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.94
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.42
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.65
		For Mechanically Fastened To Concrete, Add	2.01
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.40
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.10
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.94
		For Mechanically Fastened To Concrete, Add	2.01
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.15
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.74
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.00
		For Mechanically Fastened To Concrete, Add	2.07
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.39
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.25
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.89
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.29
		For Mechanically Fastened To Concrete, Add	2.07
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.47
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.33
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.00
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.01
		For Mechanically Fastened To Concrete, Add	2.13
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.49
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.25

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0450	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.30	
			For Mechanically Fastened To Concrete, Add	2.13	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.25	
07 22 16 00-0451	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.49	
			For Mechanically Fastened To Concrete, Add	2.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.91	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.75	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.86	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.30	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.65	
07 22 16 00-0452	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	15.78	
			For Mechanically Fastened To Concrete, Add	2.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.91	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.75	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.86	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.30	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.65	
07 22 16 00-0453	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	17.61	
			For Mechanically Fastened To Concrete, Add	2.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.51	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.21	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.82	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.15	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.31	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.75	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.24	
07 22 16 00-0454			Mechanically Fastened, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0442)		
07 22 16 00-0455	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.39	
			For Mechanically Fastened To Concrete, Add	1.96	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.34	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.98	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.56	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.48	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.86	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 22 16 00-0456	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.29	
			For Mechanically Fastened To Concrete, Add	2.01	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.40	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.10	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.66	
07 22 16 00-0457	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.65	
			For Mechanically Fastened To Concrete, Add	2.07	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.39	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.33	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.93	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.25	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.00	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.41	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.89	
07 22 16 00-0458	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.65	
			For Mechanically Fastened To Concrete, Add	2.13	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.49	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.25	
07 22 16 00-0459	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	15.14	
			For Mechanically Fastened To Concrete, Add	2.18	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.42	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.91	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.52	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.75	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.86	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.30	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.65	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 22 Roof and Deck Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	18.25
		For Mechanically Fastened To Concrete, Add	2.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.51
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.21
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.15
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.31
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.75
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.24

07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0442)

07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.58
		For Mechanically Fastened To Concrete, Add	2.01
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.13
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.15
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.69
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.08
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	4.74
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.94
		For Mechanically Fastened To Concrete, Add	2.13
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.45
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.57
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	3.49
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	2.35
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.77
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	5.25
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	19.54
		For Mechanically Fastened To Concrete, Add	2.18
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.51
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	2.21
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.82
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.15
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	3.31
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	5.75
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.24
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	24.36
		For Mechanically Fastened To Concrete, Add	1.99
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	3.07
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	4.45
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	4.15
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	4.60
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	6.66
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	6.24

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation (07 22 16)

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.75
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.77
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.79
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.82
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.84
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.86
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.88
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.90
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.92
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.94
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.96
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation.....	0.99
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation.....	1.01

07 24 Exterior Insulation and Finish Systems (07 20)**07 24 13 Polymer-Based Exterior Insulation and Finish System (07 24)****07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) (07 24 13)****07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)**

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.45
		For Up To 100, Add	0.97
		For >100 To 500, Add	0.49
		For >5,000, Deduct	-0.19
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.78
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.62
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	5.04
		For Up To 100, Add	0.99
		For >100 To 500, Add	0.50
		For >5,000, Deduct	-0.20
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.81
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0005	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	5.61	
			For Up To 100, Add	1.00	
			For >100 To 500, Add	0.50	
			For >5,000, Deduct	-0.20	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	1.99	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.79	
07 24 13 00-0006	SF		2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	6.19	
			For Up To 100, Add	1.02	
			For >100 To 500, Add	0.51	
			For >5,000, Deduct	-0.20	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	2.08	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.92	
07 24 13 00-0007	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	6.75	
			For Up To 100, Add	1.03	
			For >100 To 500, Add	0.51	
			For >5,000, Deduct	-0.21	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	2.08	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	2.92	
07 24 13 00-0008	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	7.88	
			For Up To 100, Add	1.04	
			For >100 To 500, Add	0.52	
			For >5,000, Deduct	-0.21	
			For Adhesive And Mechanically Fastened To Wood Or Steel, Add	2.31	
			For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	3.11	
07 24 13 00-0009			Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
			Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.		
07 24 13 00-0010	SF		4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	5.97	
			For Up To 100, Add	1.95	
			For >100 To 500, Add	0.98	
			For >5,000, Deduct	-0.39	
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat	6.58	
			For Up To 100, Add	1.95	
			For >100 To 500, Add	0.98	
			For >5,000, Deduct	-0.39	
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat	8.22	
			For Up To 100, Add	1.95	
			For >100 To 500, Add	0.98	
			For >5,000, Deduct	-0.39	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat	8.72	
			For Up To 100, Add	1.95	
			For >100 To 500, Add	0.98	
			For >5,000, Deduct	-0.39	
07 24 13 00-0014			Base Coats For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	2.91	
			For Up To 100, Add	0.97	
			For >100 To 500, Add	0.49	
			For >5,000, Deduct	-0.19	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	3.36	
			For Up To 100, Add	0.97	
			For >100 To 500, Add	0.49	
			For >5,000, Deduct	-0.19	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	5.80	
			For Up To 100, Add	0.97	
			For >100 To 500, Add	0.49	
			For >5,000, Deduct	-0.19	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	7.74	
			For Up To 100, Add	0.97	
			For >100 To 500, Add	0.49	
			For >5,000, Deduct	-0.19	
07 24 13 00-0019			Finish Coats For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
			Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	4.99	
			For Up To 100, Add	1.95	
			For >100 To 500, Add	0.98	
			For >5,000, Deduct	-0.39	
07 24 13 00-0021	SF		100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	5.09	
			For Up To 100, Add	1.95	
			For >100 To 500, Add	0.98	
			For >5,000, Deduct	-0.39	

07 Thermal And Moisture Protection**07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.80	
		For Up To 100, Add	1.95	
		For >100 To 500, Add	0.98	
		For >5,000, Deduct	-0.39	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	6.44	
		For Up To 100, Add	1.95	
		For >100 To 500, Add	0.98	
		For >5,000, Deduct	-0.39	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	5.81	
		For Up To 100, Add	1.95	
		For >100 To 500, Add	0.98	
		For >5,000, Deduct	-0.39	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	6.44	
		For Up To 100, Add	1.95	
		For >100 To 500, Add	0.98	
		For >5,000, Deduct	-0.39	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	5.19	
		For Up To 100, Add	1.95	
		For >100 To 500, Add	0.98	
		For >5,000, Deduct	-0.39	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	5.85	
		For Up To 100, Add	1.95	
		For >100 To 500, Add	0.98	
		For >5,000, Deduct	-0.39	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	11.51	
		For Up To 100, Add	1.95	
		For >100 To 500, Add	0.98	
		For >5,000, Deduct	-0.39	
07 24 13 00-0029		Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	1.49	
		For Up To 100, Add	0.55	
		For >100 To 500, Add	0.27	
		For >5,000, Deduct	-0.11	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	1.52	
		For Up To 100, Add	0.55	
		For >100 To 500, Add	0.27	
		For >5,000, Deduct	-0.11	
07 24 13 00-0032		Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.02	
		For Up To 100, Add	0.55	
		For >100 To 500, Add	0.27	
		For >5,000, Deduct	-0.11	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.48	
		For Up To 100, Add	0.55	
		For >100 To 500, Add	0.27	
		For >5,000, Deduct	-0.11	
07 24 13 00-0035		Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	3.07	
		For Up To 100, Add	0.61	
		For >100 To 500, Add	0.31	
		For >5,000, Deduct	-0.12	
07 24 13 00-0037		Starter Tracks For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		
07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.44	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.78	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	5.18	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	6.01	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.78	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.18	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.57	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	6.49	
07 24 13 00-0046		Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

07 24 13 00-0047	SF		Demolish Exterior Insulation Finishing Systems (EIFS).....	8.16	
			Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
			For Up To 100, Add	4.08	
			For >100 To 500, Add	2.04	
			For >5,000, Deduct	-0.82	

07 25 Weather Barriers ⁽⁰⁷⁾

07 26 Vapor Retarders ^(07 26)

07 26 13 Above-Grade Vapor Retarders ^(07 26)

07 26 13 00-0001	CSF		Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	35.89	
07 26 13 00-0002	CSF		Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....	33.56	
07 26 13 00-0003	CSF		60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....	41.03	
07 26 13 00-0004	CSF		Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute)	52.00	
07 26 13 00-0005	CSF		Regular Weight Red Rosin Sized Sheathing	31.16	
07 26 13 00-0006	CLF		6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	105.26	
07 26 13 00-0007	CLF		4" Wide Self-Adhering Butyl Sealing Tape.....	155.21	
07 26 13 00-0008	CLF		6" Wide Self Adhesive Butyl Sealing Tape	221.24	
07 26 13 00-0009	CLF		9" Wide Self Adhesive Butyl Sealing Tape	303.86	
07 26 13 00-0010	CSF		Building Wrap (Tyvek)	81.15	

07 27 Air Barriers ^(07 25)

07 27 23 Board Product Air Barriers ^(07 27)

07 27 23 00-0001 Barriers For Plenums ^(07 27 23)

07 27 23 00-0002	SF		0.5" Thick Lead Vinyl Acoustic Plenum Barrier 0.48 Lb./SF	14.54	4.07
			For Up To 50, Add	5.37	
			For >50 To 200, Add	3.05	
			For >200 To 500, Add	1.13	
			For >2,500, Deduct	-0.73	
07 27 23 00-0003	SF		0.625" Thick Lead Vinyl Acoustic Plenum Barrier 0.87 Lb./SF	15.74	4.07
			For Up To 50, Add	5.86	
			For >50 To 200, Add	3.32	
			For >200 To 500, Add	1.22	
			For >2,500, Deduct	-0.79	
07 27 23 00-0004	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick.....	5.88	2.71
			For Up To 50, Add	2.85	
			For >50 To 200, Add	1.57	
			For >200 To 500, Add	0.54	
			For >2,500, Deduct	-0.29	
07 27 23 00-0005	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	10.77	4.07
			For Up To 50, Add	5.12	
			For >50 To 200, Add	2.83	
			For >200 To 500, Add	0.98	
			For >2,500, Deduct	-0.54	
07 27 23 00-0006	SF		Aluminum Mesh Barrier For Plenum Kraft Paper Backed.....	7.17	2.71
			For Up To 50, Add	3.05	
			For >50 To 200, Add	1.70	
			For >200 To 500, Add	0.61	
			For >2,500, Deduct	-0.36	
07 27 23 00-0007	SF		1/64" Thick Sheet Lead Barrier For Plenum 1 Lb./SF	11.03	2.71
			For Up To 50, Add	3.46	
			For >50 To 200, Add	2.01	
			For >200 To 500, Add	0.78	
			For >2,500, Deduct	-0.55	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets ^(07 27 23)

07 27 23 00-0009	SF		1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.41	
07 27 23 00-0010	SF		2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.61	
07 27 23 00-0011	SF		3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.68	
07 27 23 00-0012	SF		4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	5.72	

07 30 Steep Slope Roofing ⁽⁰⁷⁾

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes ^(07 30)

07 31 13 Asphalt Shingles ^(07 31)

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles ^(07 31 13)

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle ^(07 31 13 13)

			Note: Excludes underlayment, drip edges, and ridge vent/shingles.		
07 31 13 13-0002	SQ		200 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20).....	339.37	246.97
			For >35 To 75, Deduct	-11.48	
			For >75 To 100, Deduct	-19.39	
			For >100 To 200, Deduct	-29.59	
			For >200, Deduct	-45.41	
			For Steep Roof, Over 7 To 12, Add	71.88	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 31 13 13-0003	SQ 220 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25).....	355.96		259.37
	For >35 To 75, Deduct	-12.02		
	For >75 To 100, Deduct	-20.32		
	For >100 To 200, Deduct	-31.02		
	For >200, Deduct	-47.61		
	For Steep Roof, Over 7 To 12, Add	75.45		
07 31 13 13-0004	SQ 235 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30).....	405.96		272.30
	For >35 To 75, Deduct	-15.83		
	For >75 To 100, Deduct	-25.19		
	For >100 To 200, Deduct	-37.71		
	For >200, Deduct	-56.43		
	For Steep Roof, Over 7 To 12, Add	79.24		
07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13 13)				
Note: Excludes underlayment, drip edges, and ridge vent/shingles.				
07 31 13 13-0006	SQ 245 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark).....	424.78		315.28
	For >35 To 75, Deduct	-13.82		
	For >75 To 100, Deduct	-23.75		
	For >100 To 200, Deduct	-36.44		
	For >200, Deduct	-56.30		
	For Steep Roof, Over 7 To 12, Add	91.71		
07 31 13 13-0007	SQ 240 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate).....	442.47		300.18
	For >35 To 75, Deduct	-16.95		
	For >75 To 100, Deduct	-27.16		
	For >100 To 200, Deduct	-40.77		
	For >200, Deduct	-61.20		
	For Steep Roof, Over 7 To 12, Add	87.35		
07 31 13 13-0008	SQ 265 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus).....	480.57		331.04
	For >35 To 75, Deduct	-17.96		
	For >75 To 100, Deduct	-29.07		
	For >100 To 200, Deduct	-43.78		
	For >200, Deduct	-66.01		
	For Steep Roof, Over 7 To 12, Add	96.32		
07 31 13 13-0009	SQ 235 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras).....	456.78		285.90
	For >35 To 75, Deduct	-19.69		
	For >75 To 100, Deduct	-30.12		
	For >100 To 200, Deduct	-44.50		
	For >200, Deduct	-65.37		
	For Steep Roof, Over 7 To 12, Add	83.17		
07 31 13 13-0010	SQ 300 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium).....	518.85		347.61
	For >35 To 75, Deduct	-20.29		
	For >75 To 100, Deduct	-32.25		
	For >100 To 200, Deduct	-48.26		
	For >200, Deduct	-72.18		
	For Steep Roof, Over 7 To 12, Add	101.10		
07 31 13 13-0011	SQ 300 Lb./SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence).....	548.59		347.61
	For >35 To 75, Deduct	-23.26		
	For >75 To 100, Deduct	-35.82		
	For >100 To 200, Deduct	-53.02		
	For >200, Deduct	-78.12		
	For Steep Roof, Over 7 To 12, Add	101.10		
07 31 13 13-0012	SQ 355 Lb./SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake).....	599.90		383.19
	For >35 To 75, Deduct	-25.15		
	For >75 To 100, Deduct	-38.89		
	For >100 To 200, Deduct	-57.66		
	For >200, Deduct	-85.14		
	For Steep Roof, Over 7 To 12, Add	111.49		
07 31 13 13-0013	SQ 340 Lb./SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL).....	591.66		364.99
	For >35 To 75, Deduct	-26.00		
	For >75 To 100, Deduct	-39.49		
	For >100 To 200, Deduct	-58.18		
	For >200, Deduct	-85.16		
	For Steep Roof, Over 7 To 12, Add	106.15		
07 31 13 13-0014	SQ 300 Lb./SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris).....	585.16		347.61
	For >35 To 75, Deduct	-26.92		
	For >75 To 100, Deduct	-40.20		
	For >100 To 200, Deduct	-58.87		
	For >200, Deduct	-85.44		
	For Steep Roof, Over 7 To 12, Add	101.10		
07 31 13 13-0015	SQ 355 Lb./SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate).....	679.96		383.19
	For >35 To 75, Deduct	-33.15		
	For >75 To 100, Deduct	-48.50		
	For >100 To 200, Deduct	-70.47		
	For >200, Deduct	-101.15		
	For Steep Roof, Over 7 To 12, Add	111.49		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0016	SQ		355 Lb./SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	700.81	383.19
			For >35 To 75, Deduct	-35.24	
			For >75 To 100, Deduct	-51.00	
			For >100 To 200, Deduct	-73.80	
			For >200, Deduct	-105.32	
			For Steep Roof, Over 7 To 12, Add	111.49	
07 31 13 13-0017	SQ		480 Lb./SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	777.87	422.53
			For >35 To 75, Deduct	-39.38	
			For >75 To 100, Deduct	-56.85	
			For >100 To 200, Deduct	-82.21	
			For >200, Deduct	-117.16	
			For Steep Roof, Over 7 To 12, Add	122.92	
07 31 13 13-0018	SQ		425 Lb./SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	763.17	402.32
			For >35 To 75, Deduct	-39.74	
			For >75 To 100, Deduct	-56.83	
			For >100 To 200, Deduct	-81.87	
			For >200, Deduct	-116.05	
			For Steep Roof, Over 7 To 12, Add	117.06	
07 31 13 13-0019 Asphalt Shingle Accessories (07 31 13 13)					
07 31 13 13-0020	LF		Hip And Ridge Roll Vent.....	9.63	1.48
			Note: Excludes shingles.		
07 31 13 13-0021	LF		Three Tab Hip And Ridge Shingles	4.88	3.68
07 31 13 13-0022	LF		Architectural Hip And Ridge Shingles	5.82	4.09
07 31 13 13-0023	SQ		Demolish Each Additional Layer Of Shingles	114.52	
07 31 16 Metal Shingles (07 31)					
07 31 16 00-0001 Aluminum Shingles (07 31 16)					
07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick	808.93	237.27
			For Colors, Anodized Finish, Add	30.00	
			For Bonderized Finish, Add	47.00	
			For 1" Factory Applied Polystyrene, Add	37.00	
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick	1,056.67	259.32
			For Colors, Anodized Finish, Add	30.00	
			For Bonderized Finish, Add	47.00	
			For 1" Factory Applied Polystyrene, Add	37.00	
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick	14.09	3.41
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick	14.63	3.41
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section, 0.020" Thick.....	10.01	3.41
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section, 0.030" Thick.....	11.10	3.41
07 31 16 00-0008 Galvanized Steel Shingles (07 31 16)					
07 31 16 00-0009	SQ		24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	649.86	207.22
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-9.41	
			For >75 To 100, Deduct	-26.84	
			For >100 To 200, Deduct	-46.61	
			For >200, Deduct	-64.04	
			For Steep Roof, Over 7 To 12, Add	132.64	
07 31 16 00-0010	SQ		26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	626.95	205.56
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-8.64	
			For >75 To 100, Deduct	-25.39	
			For >100 To 200, Deduct	-44.31	
			For >200, Deduct	-61.06	
			For Steep Roof, Over 7 To 12, Add	131.51	
07 31 16 00-0011	SQ		24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	992.99	207.22
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-23.14	
			For >75 To 100, Deduct	-50.86	
			For >100 To 200, Deduct	-84.36	
			For >200, Deduct	-112.08	
			For Steep Roof, Over 7 To 12, Add	132.64	
07 31 16 00-0012	SQ		26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles.....	918.14	205.56
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-20.29	
			For >75 To 100, Deduct	-45.78	
			For >100 To 200, Deduct	-76.34	
			For >200, Deduct	-101.83	
			For Steep Roof, Over 7 To 12, Add	131.51	
07 31 16 00-0013	LF		Galvanized Steel Shingles, Ridge Or Valley.....	10.38	2.76
			For Factory Applied 1" Polystyrene Insulation, Add	24.75	
			For >50 To 75, Deduct	-0.20	
			For >75 To 100, Deduct	-0.48	
			For >100 To 200, Deduct	-0.82	
			For >200, Deduct	-1.10	
			For Steep Roof, Over 7 To 12, Add	1.73	
07 31 26 Slate Shingles (07 31)					
			Note: Includes 30 Lb. felt and fasteners.		
07 31 26 00-0001 Shingles Including 30 Lb. Felt And Nails (07 31 26)					

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick.....	1,330.79	353.42
		For >50 To 75, Deduct	-21.82	
		For >75 To 100, Deduct	-57.82	
		For >100 To 200, Deduct	-99.27	
		For >200, Deduct	-135.26	
		For Graduated Shapes, Add	81.82	
		For Steep Roof, Over 7 To 12, Add	251.30	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick.....	1,477.97	353.42
		For >50 To 75, Deduct	-27.71	
		For >75 To 100, Deduct	-68.12	
		For >100 To 200, Deduct	-115.46	
		For >200, Deduct	-155.87	
		For Graduated Shapes, Add	103.90	
		For Steep Roof, Over 7 To 12, Add	251.30	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor.....	1,433.81	353.42
		For >50 To 75, Deduct	-25.94	
		For >75 To 100, Deduct	-65.03	
		For >100 To 200, Deduct	-110.60	
		For >200, Deduct	-149.69	
		For Graduated Shapes, Add	97.27	
		For Steep Roof, Over 7 To 12, Add	251.30	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green.....	1,448.53	353.42
		For >50 To 75, Deduct	-26.53	
		For >75 To 100, Deduct	-66.06	
		For >100 To 200, Deduct	-112.22	
		For >200, Deduct	-151.75	
		For Graduated Shapes, Add	99.48	
		For Steep Roof, Over 7 To 12, Add	251.30	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray.....	1,507.40	353.42
		For >50 To 75, Deduct	-28.88	
		For >75 To 100, Deduct	-70.18	
		For >100 To 200, Deduct	-118.69	
		For >200, Deduct	-159.99	
		For Graduated Shapes, Add	108.31	
		For Steep Roof, Over 7 To 12, Add	251.30	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple.....	1,433.81	353.42
		For >50 To 75, Deduct	-25.94	
		For >75 To 100, Deduct	-65.03	
		For >100 To 200, Deduct	-110.60	
		For >200, Deduct	-149.69	
		For Graduated Shapes, Add	97.27	
		For Steep Roof, Over 7 To 12, Add	251.30	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray.....	1,389.66	353.42
		For >50 To 75, Deduct	-24.17	
		For >75 To 100, Deduct	-61.94	
		For >100 To 200, Deduct	-105.74	
		For >200, Deduct	-143.51	
		For Graduated Shapes, Add	90.65	
		For Steep Roof, Over 7 To 12, Add	251.30	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red.....	2,309.33	353.42
		For >50 To 75, Deduct	-60.96	
		For >75 To 100, Deduct	-126.31	
		For >100 To 200, Deduct	-206.91	
		For >200, Deduct	-272.26	
		For Graduated Shapes, Add	228.60	
		For Steep Roof, Over 7 To 12, Add	251.30	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple.....	1,433.81	353.42
		For >50 To 75, Deduct	-25.94	
		For >75 To 100, Deduct	-65.03	
		For >100 To 200, Deduct	-110.60	
		For >200, Deduct	-149.69	
		For Graduated Shapes, Add	97.27	
		For Steep Roof, Over 7 To 12, Add	251.30	

07 31 29 Wood Shingles and Shakes (07 31)**07 31 29 13 Wood Shingles** (07 31 29)**07 31 29 13-0001 #1 Grade, Red Cedar Shingles** (07 31 29 13)**07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs** (07 31 29 13-0001)

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	1,036.42	271.20
		For Steep Roof, Over 7 To 12, Add	173.57	
		For Pressure-Impregnated Treated (Preservative), Add	74.10	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	752.63	203.40
		For Steep Roof, Over 7 To 12, Add	130.18	
		For Pressure-Impregnated Treated (Preservative), Add	51.87	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	918.00	230.52
		For Steep Roof, Over 7 To 12, Add	147.54	
		For Pressure-Impregnated Treated (Preservative), Add	68.54	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	752.10	189.84
		For Steep Roof, Over 7 To 12, Add	121.50	
		For Pressure-Impregnated Treated (Preservative), Add	55.86	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	981.85	179.67
		For Steep Roof, Over 7 To 12, Add	114.99	
		For Pressure-Impregnated Treated (Preservative), Add	93.38	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	762.64	152.55
		For Steep Roof, Over 7 To 12, Add	97.63	
		For Pressure-Impregnated Treated (Preservative), Add	68.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0009			#1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)		
07 31 29 13-0010	SQ		7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	735.17	244.08
			For Pressure-Impregnated Treated (Preservative), Add	37.05	
07 31 29 13-0011	SQ		8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	717.89	230.52
			For Pressure-Impregnated Treated (Preservative), Add	38.53	
07 31 29 13-0012	SQ		10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	726.84	200.02
			For Pressure-Impregnated Treated (Preservative), Add	49.02	
07 31 29 13-0013			#2 Grade, Red Cedar Shingles (07 31 29 13)		
07 31 29 13-0014			#2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)		
07 31 29 13-0015	SQ		3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	968.54	284.76
			For Steep Roof, Over 7 To 12, Add	182.25	
			For Pressure-Impregnated Treated (Preservative), Add	59.85	
07 31 29 13-0016	SQ		4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	864.42	257.64
			For Steep Roof, Over 7 To 12, Add	164.89	
			For Pressure-Impregnated Treated (Preservative), Add	52.37	
07 31 29 13-0017	SQ		4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	918.89	257.64
			For Steep Roof, Over 7 To 12, Add	164.89	
			For Pressure-Impregnated Treated (Preservative), Add	60.54	
07 31 29 13-0018	SQ		4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	820.09	230.52
			For Steep Roof, Over 7 To 12, Add	147.54	
			For Pressure-Impregnated Treated (Preservative), Add	53.86	
07 31 29 13-0019	SQ		5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	793.65	179.67
			For Steep Roof, Over 7 To 12, Add	114.99	
			For Pressure-Impregnated Treated (Preservative), Add	65.15	
07 31 29 13-0020	SQ		6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	650.16	155.94
			For Steep Roof, Over 7 To 12, Add	99.80	
			For Pressure-Impregnated Treated (Preservative), Add	50.74	
07 31 29 13-0021			#2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)		
07 31 29 13-0022	SQ		6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	714.79	257.64
			For Pressure-Impregnated Treated (Preservative), Add	29.93	
07 31 29 13-0023	SQ		7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	689.96	244.08
			For Pressure-Impregnated Treated (Preservative), Add	30.27	
07 31 29 13-0024	SQ		9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	661.93	216.97
			For Pressure-Impregnated Treated (Preservative), Add	34.20	
07 31 29 16			Wood Shakes (07 31 29)		
07 31 29 16-0001			#1 Grade, Red Cedar Shakes (07 31 29 16)		
07 31 29 16-0002			#1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)		
07 31 29 16-0003	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	759.93	220.35
			For Steep Roof, Over 7 To 12, Add	141.03	
			For Pressure-Impregnated Treated (Preservative), Add	47.88	
07 31 29 16-0004	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	866.33	220.35
			For Steep Roof, Over 7 To 12, Add	141.03	
			For Pressure-Impregnated Treated (Preservative), Add	63.84	
07 31 29 16-0005	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	798.26	179.67
			For Steep Roof, Over 7 To 12, Add	114.99	
			For Pressure-Impregnated Treated (Preservative), Add	65.84	
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	843.48	179.67
			For Steep Roof, Over 7 To 12, Add	114.99	
			For Pressure-Impregnated Treated (Preservative), Add	72.62	
07 31 29 16-0007			#1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)		
07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	793.82	237.30
			For Pressure-Impregnated Treated (Preservative), Add	47.88	
07 31 29 16-0009	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	900.22	237.30
			For Pressure-Impregnated Treated (Preservative), Add	63.84	
07 31 29 16-0010	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	845.73	203.40
			For Pressure-Impregnated Treated (Preservative), Add	65.84	
07 31 29 16-0011	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	890.95	203.40
			For Pressure-Impregnated Treated (Preservative), Add	72.62	
07 31 29 19			Wood Shingles And Shakes Cap (07 31 29)		
07 31 29 19-0001			Wood Hip And Ridge Cap For Wood Shingles Or Shakes (07 31 29 19)		
07 31 29 19-0002	LF		Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes	12.53	1.76
			For Steep Roof, Over 7 To 12, Add	1.32	
			For Pressure-Impregnated Treated (Preservative) Ridge, Add	1.26	
07 31 33			Composite Rubber Shingles (07 31)		

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 31 Shingles and Shakes**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 31 33 00-0001	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure	1,507.39	317.96
		Note: Gray or black.		
		For Purple Or Green Color, Add	139.45	
		For Brown Or Red Color, Add	357.33	
		For Steep Roof, Over 7 To 12, Add	203.47	
		For >50 To 75, Deduct	-21.79	
		For >75 To 100, Deduct	-59.47	
		For >100 To 200, Deduct	-97.16	
		For >200, Deduct	-150.74	
07 31 33 00-0002	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure.....	2,088.42	317.96
		Note: Fire resistant. Gray or black.		
		For Purple, Green, Brown Or Red, Add	217.89	
		For Steep Roof, Over 7 To 12, Add	203.47	
		For >50 To 75, Deduct	-36.31	
		For >75 To 100, Deduct	-88.52	
		For >100 To 200, Deduct	-140.74	
		For >200, Deduct	-208.84	
07 31 33 00-0003	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure	1,746.64	317.96
		Note: Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	399.88	
		For Steep Roof, Over 7 To 12, Add	203.47	
		For >50 To 75, Deduct	-27.77	
		For >75 To 100, Deduct	-71.44	
		For >100 To 200, Deduct	-115.10	
		For >200, Deduct	-174.66	
07 31 33 00-0004	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure	2,208.05	317.96
		Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	172.94	
		For Steep Roof, Over 7 To 12, Add	203.47	
		For >50 To 75, Deduct	-39.31	
		For >75 To 100, Deduct	-94.51	
		For >100 To 200, Deduct	-149.71	
		For >200, Deduct	-220.81	
07 31 33 00-0005	LF	Hip Or Ridge Polymeric Rubber Slate Shingle.....	17.02	2.14
		Note: Beveled or pointed edges, gray or black.		

07 32 Roof Tiles (07 30)**07 32 13 Clay Roof Tiles** (07 32)

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure (07 32 13)

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,462.73	335.18
		For >25 To 50, Deduct	-47.54	
		For >50 To 75, Deduct	-95.99	
		For >75 To 100, Deduct	-136.52	
		For >100 To 200, Deduct	-169.13	
		For >200, Deduct	-193.81	
		For 20 Year Warranty, Add	55.46	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ.....	1,716.71	335.18
		For >25 To 50, Deduct	-62.78	
		For >50 To 75, Deduct	-121.39	
		For >75 To 100, Deduct	-169.54	
		For >100 To 200, Deduct	-207.22	
		For >200, Deduct	-234.45	
		For 20 Year Warranty, Add	73.24	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,716.71	335.18
		For >25 To 50, Deduct	-62.78	
		For >50 To 75, Deduct	-121.39	
		For >75 To 100, Deduct	-169.54	
		For >100 To 200, Deduct	-207.22	
		For >200, Deduct	-234.45	
		For 20 Year Warranty, Add	73.24	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ	1,932.22	335.18
		For >25 To 50, Deduct	-75.71	
		For >50 To 75, Deduct	-142.94	
		For >75 To 100, Deduct	-197.55	
		For >100 To 200, Deduct	-239.55	
		For >200, Deduct	-268.93	
		For 20 Year Warranty, Add	88.32	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,748.45	409.82
		For >25 To 50, Deduct	-55.73	
		For >50 To 75, Deduct	-113.38	
		For >75 To 100, Deduct	-161.73	
		For >100 To 200, Deduct	-200.80	
		For >200, Deduct	-230.58	
		For 20 Year Warranty, Add	65.02	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	2,127.55	409.82
		For >25 To 50, Deduct	-78.48	
		For >50 To 75, Deduct	-151.29	
		For >75 To 100, Deduct	-211.01	
		For >100 To 200, Deduct	-257.66	
		For >200, Deduct	-291.23	
		For 20 Year Warranty, Add	91.56	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	2,728.90	552.87
		For >25 To 50, Deduct	-97.41	
		For >50 To 75, Deduct	-189.99	
		For >75 To 100, Deduct	-266.33	
		For >100 To 200, Deduct	-326.43	
		For >200, Deduct	-370.30	
		For 20 Year Warranty, Add	113.65	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,558.77	409.82
		For >25 To 50, Deduct	-44.35	
		For >50 To 75, Deduct	-94.41	
		For >75 To 100, Deduct	-137.07	
		For >100 To 200, Deduct	-172.35	
		For >200, Deduct	-200.23	
		For 20 Year Warranty, Add	51.74	
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,865.87	409.82
		For >25 To 50, Deduct	-62.78	
		For >50 To 75, Deduct	-125.12	
		For >75 To 100, Deduct	-177.00	
		For >100 To 200, Deduct	-218.41	
		For >200, Deduct	-249.36	
		For 20 Year Warranty, Add	73.24	
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	1,313.68	306.84
		For >25 To 50, Deduct	-42.00	
		For >50 To 75, Deduct	-85.34	
		For >75 To 100, Deduct	-121.68	
		For >100 To 200, Deduct	-151.02	
		For >200, Deduct	-173.36	
		For 20 Year Warranty, Add	49.00	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,644.63	306.84
		For >25 To 50, Deduct	-61.85	
		For >50 To 75, Deduct	-118.43	
		For >75 To 100, Deduct	-164.70	
		For >100 To 200, Deduct	-200.66	
		For >200, Deduct	-226.32	
		For 20 Year Warranty, Add	72.16	
07 32 13 00-0013	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,929.40	306.84
		For >25 To 50, Deduct	-78.94	
		For >50 To 75, Deduct	-146.91	
		For >75 To 100, Deduct	-201.72	
		For >100 To 200, Deduct	-243.38	
		For >200, Deduct	-271.88	
		For 20 Year Warranty, Add	92.10	
07 32 13 00-0014	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,393.08	480.99
		For >25 To 50, Deduct	-85.87	
		For >50 To 75, Deduct	-167.16	
		For >75 To 100, Deduct	-234.14	
		For >100 To 200, Deduct	-286.81	
		For >200, Deduct	-325.17	
		For 20 Year Warranty, Add	100.18	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	1,131.78	335.18
		For >25 To 50, Deduct	-27.68	
		For >50 To 75, Deduct	-62.90	
		For >75 To 100, Deduct	-93.50	
		For >100 To 200, Deduct	-119.48	
		For >200, Deduct	-140.86	
		For 20 Year Warranty, Add	32.29	
07 32 13 00-0016	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	1,527.22	480.99
		For >25 To 50, Deduct	-33.91	
		For >50 To 75, Deduct	-80.57	
		For >75 To 100, Deduct	-121.58	
		For >100 To 200, Deduct	-156.93	
		For >200, Deduct	-186.64	
		For 20 Year Warranty, Add	39.57	

07 32 16 Concrete Roof Tiles (07 32)
07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)

Note: Includes 30 Lb. felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Earthtone Colors, Corrugated	1,316.63	508.09
		For >50 To 75, Deduct	-12.01	
		For >75 To 100, Deduct	-46.43	
		For >100 To 200, Deduct	-83.85	
		For >200, Deduct	-118.27	
		For Steep Roof, Over 7 To 12, Add	325.22	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Blues, Corrugated	1,616.63	508.09
		For >50 To 75, Deduct	-24.01	
		For >75 To 100, Deduct	-67.43	
		For >100 To 200, Deduct	-116.85	
		For >200, Deduct	-160.27	
		For Steep Roof, Over 7 To 12, Add	325.22	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Greens Corrugated	1,376.63	508.09
		For >50 To 75, Deduct	-14.41	
		For >75 To 100, Deduct	-50.63	
		For >100 To 200, Deduct	-90.45	
		For >200, Deduct	-126.67	
		For Steep Roof, Over 7 To 12, Add	325.22	

07 Thermal And Moisture Protection**07 30 Steep Slope Roofing****07 32 Roof Tiles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Colors, Shakes	1,284.66	454.59
		<i>For >50 To 75, Deduct</i>	-15.01	
		<i>For >75 To 100, Deduct</i>	-49.01	
		<i>For >100 To 200, Deduct</i>	-86.75	
		<i>For >200, Deduct</i>	-120.75	
		<i>For Steep Roof, Over 7 To 12, Add</i>	290.99	

07 32 16 00-0006 Accessories (07 32 16)

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 Lb. Each For Concrete Tile Roof	5.07	
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 Lb. Each For Concrete Tile Roof	3.33	
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 Lb. Each For Concrete Tile Roof	5.03	
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 Lb. Each For Concrete Tile Roof	5.77	
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 Lb. Each For Concrete Tile Roof	6.00	

07 34 Roofing Underlayment (07 30)**07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment** (07 34)

Note: Standard slope.

07 34 00 00-0002	SQ	15 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	43.08	10.24
		<i>For Steep Roof, Over 7 To 12, Add</i>	6.56	
		<i>For >50 To 75, Deduct</i>	-0.90	
		<i>For >75 To 100, Deduct</i>	-2.09	
		<i>For >100 To 200, Deduct</i>	-3.51	
		<i>For >200, Deduct</i>	-5.21	
07 34 00 00-0003	SQ	30 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	65.93	14.09
		<i>For Steep Roof, Over 7 To 12, Add</i>	9.02	
		<i>For >50 To 75, Deduct</i>	-1.51	
		<i>For >75 To 100, Deduct</i>	-3.35	
		<i>For >100 To 200, Deduct</i>	-5.56	
		<i>For >200, Deduct</i>	-8.10	
07 34 00 00-0004	SQ	30 Lb., Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	73.04	14.09
		<i>For Steep Roof, Over 7 To 12, Add</i>	9.02	
		<i>For >50 To 75, Deduct</i>	-1.79	
		<i>For >75 To 100, Deduct</i>	-3.84	
		<i>For >100 To 200, Deduct</i>	-6.34	
		<i>For >200, Deduct</i>	-9.10	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	83.01	21.35
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.66	
		<i>For >50 To 75, Deduct</i>	-1.61	
		<i>For >75 To 100, Deduct</i>	-3.89	
		<i>For >100 To 200, Deduct</i>	-6.57	
		<i>For >200, Deduct</i>	-9.91	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	91.42	21.35
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.66	
		<i>For >50 To 75, Deduct</i>	-1.95	
		<i>For >75 To 100, Deduct</i>	-4.48	
		<i>For >100 To 200, Deduct</i>	-7.49	
		<i>For >200, Deduct</i>	-11.09	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	105.29	21.35
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.66	
		<i>For >50 To 75, Deduct</i>	-2.50	
		<i>For >75 To 100, Deduct</i>	-5.45	
		<i>For >100 To 200, Deduct</i>	-9.02	
		<i>For >200, Deduct</i>	-13.03	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	98.36	21.35
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.66	
		<i>For >50 To 75, Deduct</i>	-2.23	
		<i>For >75 To 100, Deduct</i>	-4.96	
		<i>For >100 To 200, Deduct</i>	-8.26	
		<i>For >200, Deduct</i>	-12.06	

07 34 00 00-0009 Self-Adhering, Roofing Underlayment (07 34)

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	166.89	25.90
		<i>For Steep Roof, Over 7 To 12, Add</i>	16.57	
		<i>For >50 To 75, Deduct</i>	-4.60	
		<i>For >75 To 100, Deduct</i>	-9.35	
		<i>For >100 To 200, Deduct</i>	-15.25	
		<i>For >200, Deduct</i>	-21.29	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	247.30	25.90
		<i>For Steep Roof, Over 7 To 12, Add</i>	16.57	
		<i>For >50 To 75, Deduct</i>	-7.82	
		<i>For >75 To 100, Deduct</i>	-14.98	
		<i>For >100 To 200, Deduct</i>	-24.10	
		<i>For >200, Deduct</i>	-32.55	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	176.83	25.90
		<i>For Steep Roof, Over 7 To 12, Add</i>	16.57	
		<i>For >50 To 75, Deduct</i>	-5.00	
		<i>For >75 To 100, Deduct</i>	-10.05	
		<i>For >100 To 200, Deduct</i>	-16.35	
		<i>For >200, Deduct</i>	-22.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0013	SQ		65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	166.89	25.90
			For Steep Roof, Over 7 To 12, Add	16.57	
			For >50 To 75, Deduct	-4.60	
			For >75 To 100, Deduct	-9.35	
			For >100 To 200, Deduct	-15.25	
			For >200, Deduct	-21.29	
07 34 00 00-0014	SQ		45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	235.70	25.90
			For Steep Roof, Over 7 To 12, Add	16.57	
			For >50 To 75, Deduct	-7.36	
			For >75 To 100, Deduct	-14.17	
			For >100 To 200, Deduct	-22.82	
			For >200, Deduct	-30.93	
07 34 00 00-0015	SQ		25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	199.36	25.90
			For Steep Roof, Over 7 To 12, Add	16.57	
			For >50 To 75, Deduct	-5.90	
			For >75 To 100, Deduct	-11.63	
			For >100 To 200, Deduct	-18.82	
			For >200, Deduct	-25.84	
07 34 00 00-0016	SQ		40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	292.99	25.90
			For Steep Roof, Over 7 To 12, Add	16.57	
			For >50 To 75, Deduct	-9.65	
			For >75 To 100, Deduct	-18.18	
			For >100 To 200, Deduct	-29.12	
			For >200, Deduct	-38.95	
07 34 00 00-0017	SQ		40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	334.00	25.90
			For Steep Roof, Over 7 To 12, Add	16.57	
			For >50 To 75, Deduct	-11.29	
			For >75 To 100, Deduct	-21.05	
			For >100 To 200, Deduct	-33.63	
			For >200, Deduct	-44.69	
07 34 00 00-0018	SQ		30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	487.87	25.90
			For Steep Roof, Over 7 To 12, Add	16.57	
			For >50 To 75, Deduct	-17.44	
			For >75 To 100, Deduct	-31.82	
			For >100 To 200, Deduct	-50.56	
			For >200, Deduct	-66.23	

07 40 Roofing and Siding Panels ⁽⁰⁷⁾

07 41 Roof Panels ^(07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels ^(07 41)

07 41 13 00-0001 Exposed Fastener Metal Roofing ^(07 41 13)

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing ^(07 41 13 00-0001)

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels ^(07 41 13 00-0002)

07 41 13 00-0004	SF		18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.49	3.02
			For Fluoropolymer (Kynar®) Coating, Add	1.61	
			For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0005	SF		20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.02	3.02
			For Fluoropolymer (Kynar®) Coating, Add	1.61	
			For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0006	SF		22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.70	3.02
			For Fluoropolymer (Kynar®) Coating, Add	1.61	
			For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0007	SF		24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.37	3.02
			For Fluoropolymer (Kynar®) Coating, Add	1.61	
			For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0008	SF		26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.10	3.02
			For Fluoropolymer (Kynar®) Coating, Add	1.61	
			For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0009	SF		28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.87	3.02
			For Fluoropolymer (Kynar®) Coating, Add	1.61	
			For Steep Roof, Over 7 To 12, Add	1.55	
07 41 13 00-0010	SF		30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.78	3.02
			For Fluoropolymer (Kynar®) Coating, Add	1.61	
			For Steep Roof, Over 7 To 12, Add	1.55	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories ^(07 41 13 00-0002)

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF		Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	28.85	3.14
			For Steep Roof, Over 7 To 12, Add	4.06	
			For Fluoropolymer (Kynar®) Coating, Add	1.62	
07 41 13 00-0013	LF		9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing	18.04	2.06
			For Steep Roof, Over 7 To 12, Add	2.71	
			For Fluoropolymer (Kynar®) Coating, Add	0.96	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	35.19 4.06 2.25	3.14
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	29.42 4.06 1.67	3.14
07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing (07 41 13 00-0001)				
07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels (07 41 13 00-0016)				
07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	7.26 1.61 1.55	3.02
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	7.65 1.61 1.55	3.02
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	8.59 1.61 1.55	3.02
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	9.83 1.61 1.55	3.02
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	11.08 1.61 1.55	3.02
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	12.64 1.61 1.55	3.02
07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories (07 41 13 00-0016)				
07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	32.74 4.06 2.00	3.14
07 41 13 00-0026	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	20.29 2.71 1.18	2.18
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	40.66 4.06 2.80	3.14
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	33.46 4.06 2.08	3.14
07 41 13 00-0029 Standing Seam Roofs (07 41 13)				
Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.				
07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)				
Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.				
07 41 13 00-0031 Galvanized Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0030)				
07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.77 1.92 0.79 1.87 3.44 2.07 0.34	3.21
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	14.46 1.92 0.80 1.91 3.62 2.17 0.36	3.21
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.16 1.92 0.78 1.84 3.29 1.97 0.33	3.21
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels <16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For >1,500 To 5,000, Add</i> <i>For >5,000 To 10,000, Add</i>	13.40 1.92 0.78 1.86 3.35 2.01 0.34	3.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	13.68	3.21
			For Steep Roof, Over 6 To 12, Add	1.92	
			For 140 MPH Wind Load, Add	0.79	
			For Panels <16" Wide, Add	1.87	
			For Up To 1,500, Add	3.42	
			For >1,500 To 5,000, Add	2.05	
			For >5,000 To 10,000, Add	0.34	
07 41 13 00-0037	SF		Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	14.68	3.21
			For Steep Roof, Over 6 To 12, Add	1.92	
			For 140 MPH Wind Load, Add	0.81	
			For Panels <16" Wide, Add	1.92	
			For Up To 1,500, Add	3.67	
			For >1,500 To 5,000, Add	2.20	
			For >5,000 To 10,000, Add	0.37	
07 41 13 00-0038			Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)		
07 41 13 00-0039	LF		Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	30.46	3.14
			For Steep Roof, Over 6 To 12, Add	3.81	
			For 140 MPH Wind Load, Add	1.63	
07 41 13 00-0040	LF		9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	19.00	2.18
			For Steep Roof, Over 6 To 12, Add	2.54	
			For 140 MPH Wind Load, Add	1.06	
07 41 13 00-0041	LF		Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	37.44	3.14
			For Steep Roof, Over 6 To 12, Add	3.81	
			For 140 MPH Wind Load, Add	1.76	
07 41 13 00-0042	LF		Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	31.10	3.14
			For Steep Roof, Over 6 To 12, Add	3.81	
			For 140 MPH Wind Load, Add	1.64	
07 41 13 00-0043			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
			Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044			Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)		
07 41 13 00-0045	SF		Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing.....	14.25	3.21
			For Steep Roof, Over 6 To 12, Add	1.92	
			For 140 MPH Wind Load, Add	0.80	
			For Panels <16" Wide, Add	1.90	
			For Up To 1,500, Add	3.56	
			For >1,500 To 5,000, Add	2.14	
			For >5,000 To 10,000, Add	0.36	
07 41 13 00-0046	SF		Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing.....	14.84	3.21
			For Steep Roof, Over 6 To 12, Add	1.92	
			For 140 MPH Wind Load, Add	0.81	
			For Panels <16" Wide, Add	1.93	
			For Up To 1,500, Add	3.71	
			For >1,500 To 5,000, Add	2.23	
			For >5,000 To 10,000, Add	0.37	
07 41 13 00-0047	SF		Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	13.92	3.21
			For Steep Roof, Over 6 To 12, Add	1.92	
			For 140 MPH Wind Load, Add	0.79	
			For Panels <16" Wide, Add	1.88	
			For Up To 1,500, Add	3.48	
			For >1,500 To 5,000, Add	2.09	
			For >5,000 To 10,000, Add	0.35	
07 41 13 00-0048	SF		Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	15.00	3.21
			For Steep Roof, Over 6 To 12, Add	1.92	
			For 140 MPH Wind Load, Add	0.81	
			For Panels <16" Wide, Add	1.94	
			For Up To 1,500, Add	3.75	
			For >1,500 To 5,000, Add	2.25	
			For >5,000 To 10,000, Add	0.38	
07 41 13 00-0049			Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)		
07 41 13 00-0050	LF		Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	34.74	3.14
			For Steep Roof, Over 6 To 12, Add	3.81	
			For 140 MPH Wind Load, Add	1.71	
07 41 13 00-0051	LF		9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	21.47	2.18
			For Steep Roof, Over 6 To 12, Add	2.54	
			For 140 MPH Wind Load, Add	1.11	
07 41 13 00-0052	LF		Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	43.46	3.14
			For Steep Roof, Over 6 To 12, Add	3.81	
			For 140 MPH Wind Load, Add	1.89	
07 41 13 00-0053	LF		Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	35.54	3.14
			For Steep Roof, Over 6 To 12, Add	3.81	
			For 140 MPH Wind Load, Add	1.73	
07 41 13 00-0054			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)		
07 41 13 00-0055			Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)		
07 41 13 00-0056	SF		Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	26.55	3.85
			For Steep Roof, Over 6 To 12, Add	2.89	
			For 140 MPH Wind Load, Add	1.30	
			For Panels <16" Wide, Add	3.11	
			For Up To 1,500, Add	6.64	
			For >1,500 To 5,000, Add	3.98	
			For >5,000 To 10,000, Add	0.66	

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	30.15		3.85
		For Steep Roof, Over 6 To 12, Add	2.89		
		For 140 MPH Wind Load, Add	1.37		
		For Panels <16" Wide, Add	3.29		
		For Up To 1,500, Add	7.54		
		For >1,500 To 5,000, Add	4.52		
		For >5,000 To 10,000, Add	0.75		
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	34.42		3.85
		For Steep Roof, Over 6 To 12, Add	2.89		
		For 140 MPH Wind Load, Add	1.46		
		For Panels <16" Wide, Add	3.50		
		For Up To 1,500, Add	8.61		
		For >1,500 To 5,000, Add	5.16		
		For >5,000 To 10,000, Add	0.86		
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	39.90		3.85
		For Steep Roof, Over 6 To 12, Add	2.89		
		For 140 MPH Wind Load, Add	1.57		
		For Panels <16" Wide, Add	3.77		
		For Up To 1,500, Add	9.98		
		For >1,500 To 5,000, Add	5.99		
		For >5,000 To 10,000, Add	1.00		
07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)					
07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	80.15		3.51
		For Steep Roof, Over 6 To 12, Add	4.21		
		For 140 MPH Wind Load, Add	2.73		
07 41 13 00-0062	LF	9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	43.41		2.30
		For Steep Roof, Over 6 To 12, Add	2.79		
		For 140 MPH Wind Load, Add	1.61		
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	110.30		3.51
		For Steep Roof, Over 6 To 12, Add	4.17		
		For 140 MPH Wind Load, Add	3.32		
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	82.54		3.51
		For Steep Roof, Over 6 To 12, Add	4.21		
		For 140 MPH Wind Load, Add	2.77		
07 41 13 00-0065 Metal Roof Surfacing (07 41 13)					
07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.85		
		For Steep Roof, Over 7 To 12, Add	0.18		
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat	1.10		
		Note: 55% solids by volume.			
		For Steep Roof, Over 7 To 12, Add	0.18		
07 41 16 Insulated Metal Roof Panels (07 41)					
07 41 16 00-0001 Standing Seam Polyurethane Insulated Metal Roof Panels (07 41 16)					
07 41 16 00-0002 Standing Seam Polyurethane Insulated Metal Roof Panel (07 41 16 00-0001)					
		Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.			
07 41 16 00-0003	SF	2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	27.40		4.56
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24		
		For Premium Exterior Colors, Add	0.12		
07 41 16 00-0004	SF	2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	30.16		4.93
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24		
		For Premium Exterior Colors, Add	0.12		
07 41 16 00-0005	SF	3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	32.04		5.36
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24		
		For Premium Exterior Colors, Add	0.12		
07 41 16 00-0006	SF	4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	33.55		5.66
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24		
		For Premium Exterior Colors, Add	0.12		
07 41 16 00-0007	SF	5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	35.16		5.96
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24		
		For Premium Exterior Colors, Add	0.12		
07 41 16 00-0008	SF	6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	36.49		6.26
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24		
		For Premium Exterior Colors, Add	0.12		
07 41 33 Plastic Roof Panels (07 41)					
07 41 33 00-0001 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)					
07 41 33 00-0002 Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)					
07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	7.67		2.86
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	7.23		2.57
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	7.89		2.86
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	7.41		2.57
07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)					
07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	4.87		2.15
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	6.50		2.15
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	6.97		2.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 33 00-0011	LF		Inside Corner Post, 7/8" Pocket.....	5.70	2.15
07 41 33 00-0012			Fiberglass Roofing Panel (07 41 33)		
07 41 33 00-0013			Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014	SF		8 Ounce Corrugated Fiberglass Panel.....	8.50	2.29
07 41 33 00-0015	SF		12 Ounce Corrugated Fiberglass Panel.....	9.77	2.29
07 42 Wall Panels (07 40)					
07 42 13 Metal Wall Panels (07 42)					
07 42 13 19 Insulated Metal Wall Panels (07 42 13)					
07 42 13 19-0001			Insulated Panels For Sash/Window Replacement (07 42 13 19) Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF		1" Insulated Panel For Sash Or Window Replacement	41.20	5.43
			For Non-Insulated Panels, Deduct	-7.57	
07 42 13 19-0003	SF		1-1/4" Insulated Panel For Sash Or Window Replacement	44.44	6.10
			For Non-Insulated Panels, Deduct	-8.09	
07 42 13 19-0004	SF		1-3/4" Insulated Panel For Sash Or Window Replacement	47.47	6.78
			For Non-Insulated Panels, Deduct	-8.61	
07 42 13 19-0005	SF		2-1/4" Insulated Panel For Sash Or Window Replacement	50.65	7.05
			For Non-Insulated Panels, Deduct	-9.13	
07 42 13 19-0006	SF		3-1/4" Insulated Panel For Sash Or Window Replacement	57.84	7.73
			For Non-Insulated Panels, Deduct	-10.61	
07 42 13 19-0007	SF		4-1/4" Insulated Panel For Sash Or Window Replacement	67.86	8.55
			For Non-Insulated Panels, Deduct	-12.73	
07 42 13 23 Metal Composite Material Wall Panels (07 42 13)					
07 42 13 23-0001			24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels (07 42 13 23) Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Mett-Span Corporation.		
07 42 13 23-0002	SF		2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	23.94	2.78
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
07 42 13 23-0003	SF		2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	26.85	3.14
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
07 42 13 23-0004	SF		3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	29.31	3.57
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
07 42 13 23-0005	SF		4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	32.64	4.72
			For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
			For Premium Exterior Colors, Add	0.12	
07 42 63 Fabricated Wall Panel Assemblies (07 42)					
07 42 63 00-0001			Insulated Freezer And Chiller Panels (07 42 63) Note: Excludes suspension system for ceiling support.		
07 42 63 00-0002			Polyurethane Sandwich Panel (07 42 63 00-0001) Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003	SF		2" 22 Gauge Freezer Panel Sheet Metal Both Faces	26.06	2.03
07 42 63 00-0004	SF		3" 22 Gauge Freezer Panel Sheet Metal Both Faces	27.64	2.03
07 42 63 00-0005	SF		4" 22 Gauge Freezer Panel Sheet Metal Both Faces	33.00	2.03
07 42 63 00-0006	SF		5" 22 Gauge Freezer Panel Sheet Metal Both Faces	35.74	2.16
07 42 63 00-0007	SF		6" 22 Gauge Freezer Panel Sheet Metal Both Faces	37.98	2.16
07 42 63 00-0008	SF		2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	23.38	1.67
07 42 63 00-0009	SF		3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	25.48	1.67
07 42 63 00-0010	SF		4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	30.81	1.79
07 42 63 00-0011	SF		5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	29.86	1.79
07 42 63 00-0012	SF		6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	35.21	1.79
07 42 63 00-0013			Polyurethane Sandwich Panel (07 42 63 00-0001) Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014	SF		2" Freezer Panel 0.040" Aluminum Finish Both Faces	25.42	2.03
07 42 63 00-0015	SF		3" Freezer Panel 0.040" Aluminum Finish Both Faces	27.36	2.03
07 42 63 00-0016	SF		4" Freezer Panel 0.040" Aluminum Finish Both Faces	32.33	2.03
07 42 63 00-0017	SF		5" Freezer Panel 0.040" Aluminum Finish Both Faces	35.37	2.16
07 42 63 00-0018	SF		6" Freezer Panel 0.040" Aluminum Finish Both Faces	37.45	2.16
07 42 63 00-0019	SF		2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	22.89	1.67
07 42 63 00-0020	SF		3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	24.84	1.67
07 42 63 00-0021	SF		4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	26.85	1.79
07 42 63 00-0022	SF		5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	31.82	1.79
07 42 63 00-0023	SF		6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	34.84	1.79

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 42 Wall Panels**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
07 42 93 Soffit Panels (07 42)**07 42 93 00-0001 Aluminum Soffit And Fascia (07 42 93)**

Note: Excludes J-channel.

07 42 93 00-0002	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	5.37	1.90
		For 0.015" Thick, Deduct	-0.11	
07 42 93 00-0003	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	6.59	2.00
		For 0.015" Thick, Deduct	-0.17	
07 42 93 00-0004	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	7.20	2.05
		For 0.015" Thick, Deduct	-0.21	
07 42 93 00-0005	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit.....	8.97	2.16
		For 0.015" Thick, Deduct	-0.34	
07 42 93 00-0006	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	10.95	2.36
		For 0.015" Thick, Deduct	-0.45	
07 42 93 00-0007	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	14.53	2.60
		For 0.015" Thick, Deduct	-0.68	
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	18.17	2.87
		For 0.015" Thick, Deduct	-0.89	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	21.85	3.15
		For 0.015" Thick, Deduct	-1.12	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	6.25	1.85
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	6.83	1.90
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	7.98	1.96
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	9.22	2.00

07 46 Siding (07 40)**07 46 16 Aluminum Siding (07 46)**

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16)

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding.....	13.10	4.30
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	13.28	4.30
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	13.56	4.30

07 46 16 00-0005 Aluminum Siding Panels (07 46 16)**07 46 16 00-0006 Corrugated Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	9.33	2.42
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	9.73	2.42
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	10.98	2.42
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	13.42	2.42

07 46 16 00-0011 V- Beam Aluminum Siding Panels (07 46 16 00-0005)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	13.32	2.42
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	14.95	2.42
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	18.83	2.42

07 46 16 00-0015 Box Ribbed Aluminum Siding Panels (07 46 16 00-0005)

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	14.04	2.42
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	15.62	2.42
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	16.59	2.42

07 46 16 00-0019 Aluminum Siding Accessories (07 46 16)

07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	4.18	1.77
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	4.18	1.77
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	4.89	1.77
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	4.50	1.77
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	4.50	1.77

07 46 19 Steel Siding (07 46)

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 19 00-0001 Steel Siding Panels (07 46 19)**07 46 19 00-0002 Corrugated Steel Siding Panels (07 46 19 00-0001)**

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.63	2.42
		For Galvanized Instead Of Painted Steel, Add	1.95	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.63	2.42
		For Galvanized Instead Of Painted Steel, Add	1.70	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.38	2.42
		For Galvanized Instead Of Painted Steel, Add	1.64	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.43	2.42
		For Galvanized Instead Of Painted Steel, Add	0.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0007	SF		28 Gauge, Painted Finish, Corrugated Steel Siding Panel <i>For Galvanized Instead Of Painted Steel, Add</i>	8.22 0.85	2.42
07 46 19 00-0008	SF		30 Gauge, Painted Finish, Corrugated Steel Siding Panel <i>For Galvanized Instead Of Painted Steel, Add</i>	8.08 0.81	2.42
07 46 19 00-0009			Box Ribbed Steel Siding Panels (07 46 19 00-0001) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0010	SF		20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel <i>For Galvanized Instead Of Painted Steel, Add</i>	11.88 1.76	2.42
07 46 19 00-0011	SF		22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel <i>For Galvanized Instead Of Painted Steel, Add</i>	11.43 1.65	2.42
07 46 19 00-0012	SF		24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel <i>For Galvanized Instead Of Painted Steel, Add</i>	11.13 1.57	2.42
07 46 19 00-0013	SF		26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel <i>For Galvanized Instead Of Painted Steel, Add</i>	10.63 1.45	2.42
07 46 19 00-0014	SF		28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel <i>For Galvanized Instead Of Painted Steel, Add</i>	9.56 1.18	2.42
07 46 19 00-0015			Clapboard Steel Siding Panels (07 46 19 00-0001) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0016	SF		29 Gauge, Painted Finish, Clapboard Steel Siding Panel.....	9.56	1.21
07 46 23			Wood Siding (07 46) Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001			Wood Lap Siding (07 46 23)		
07 46 23 00-0002	LF		8" Wide Rough Sawn Cedar Lap Siding	4.67	1.83
07 46 23 00-0003	LF		10" Wide Rough Sawn Cedar Lap Siding	5.22	1.95
07 46 23 00-0004	LF		12" Wide Rough Sawn Cedar Lap Siding	5.79	2.07
07 46 23 00-0005	LF		6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	4.97	1.83
07 46 23 00-0006	LF		6" To 8" Wide Spruce Lap Siding, #2 Or Better	5.49	1.83
07 46 23 00-0007	LF		6" To 8" Wide Western Red Cedar, B Grade Lap Siding	6.60	1.83
07 46 23 00-0008	LF		6" To 8" Wide Western Red Cedar, A Grade Lap Siding	7.03	1.83
07 46 23 00-0009	LF		6" To 8" Wide Clear Heart Redwood Lap Siding.....	6.41	1.83
07 46 23 00-0010	LF		1" x 8" Cedar Round Or Flat Front Siding, Log Cabin.....	4.81	1.95
07 46 23 00-0011	LF		1" x 8" Cedar Beveled Siding, Channel, Rustic.....	4.81	1.95
07 46 23 00-0012			Tongue And Groove Siding (07 46 23)		
07 46 23 00-0013	SF		1" x 6" Tongue And Groove Southern Yellow Pine Siding	4.66	1.83
07 46 23 00-0014	SF		1" x 8" Tongue And Groove Southern Yellow Pine Siding	5.12	1.83
07 46 23 00-0015	SF		1" x 6" 105 Southern Yellow Pine Siding	4.77	1.83
07 46 23 00-0016	SF		1" x 8" 105 Southern Yellow Pine Siding	5.39	1.83
07 46 29			Plywood Siding (07 46) Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001			T-111 Siding (07 46 29)		
07 46 29 00-0002	SF		5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud..... <i>For Pressure Treated, Add</i>	3.26 0.18	0.95
07 46 33			Plastic Siding (07 46) Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001			Vinyl Siding (07 46 33) Note: Includes standard manufacturer's colors.		
07 46 33 00-0002			Vinyl Siding Panels (07 46 33 00-0001) Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003			Horizontal Vinyl Siding Panels (07 46 33 00-0002) Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF		7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	5.97 -0.18 -0.08 0.92 0.07	2.32
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	5.70 -0.18 -0.08 0.92 0.07	2.18
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	5.50 -0.18 -0.08 0.92 0.07	2.08
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	5.28 -0.18 -0.08 0.92 0.07	1.98

07 Thermal And Moisture Protection**07 40 Roofing and Siding Panels****07 46 Siding**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.02	1.84
		<i>For 0.040" Thick, Deduct</i>	-0.18	
		<i>For 0.042" Thick, Deduct</i>	-0.08	
		<i>For 0.046" Thick, Add</i>	0.92	
		<i>For Manufacturer's Custom Colors, Add</i>	0.07	

07 46 33 00-0009 Vertical Vinyl Siding Panels (07 46 33 00-0002)

07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	6.99	2.32
		<i>For Manufacturer's Custom Colors, Add</i>	0.12	

07 46 33 00-0011 Vinyl Siding Accessories (07 46 33 00-0001)

07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	6.93	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.17	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	12.09	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.43	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	5.63	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	6.72	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.16	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	4.30	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	4.05	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	4.00	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	4.17	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	4.88	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	5.26	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	5.96	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	4.02	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	8.90	2.45
		<i>For Manufacturer's Custom Colors, Add</i>	0.20	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding	9.26	2.45
		<i>For Manufacturer's Custom Colors, Add</i>	0.22	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	10.06	2.45
		<i>For Manufacturer's Custom Colors, Add</i>	0.26	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	5.42	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.09	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	6.56	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.15	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	5.74	1.77
		<i>For Manufacturer's Custom Colors, Add</i>	0.11	

07 46 33 00-0030 Vinyl Soffit And Fascia (07 46 33 00-0001)

Note: Excludes J-channel.

07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.03	1.90
		<i>For 0.038" Thick, Deduct</i>	-0.54	
		<i>For 0.040" Thick, Deduct</i>	-0.45	
		<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.03	2.00
		<i>For 0.038" Thick, Deduct</i>	-0.93	
		<i>For 0.040" Thick, Deduct</i>	-0.78	
		<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.52	2.05
		<i>For 0.038" Thick, Deduct</i>	-1.10	
		<i>For 0.040" Thick, Deduct</i>	-0.92	
		<i>For Manufacturer's Custom Colors, Add</i>	0.12	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.95	2.16
		<i>For 0.038" Thick, Deduct</i>	-1.66	
		<i>For 0.040" Thick, Deduct</i>	-1.39	
		<i>For Manufacturer's Custom Colors, Add</i>	0.18	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	9.60	2.36
		<i>For 0.038" Thick, Deduct</i>	-2.22	
		<i>For 0.040" Thick, Deduct</i>	-1.86	
		<i>For Manufacturer's Custom Colors, Add</i>	0.24	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	12.50	2.60
		<i>For 0.038" Thick, Deduct</i>	-3.35	
		<i>For 0.040" Thick, Deduct</i>	-2.81	
		<i>For Manufacturer's Custom Colors, Add</i>	0.37	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	15.45	2.87
		<i>For 0.038" Thick, Deduct</i>	-4.47	
		<i>For 0.040" Thick, Deduct</i>	-3.75	
		<i>For Manufacturer's Custom Colors, Add</i>	0.49	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	18.45	3.15
		<i>For 0.038" Thick, Deduct</i>	-5.59	
		<i>For 0.040" Thick, Deduct</i>	-4.67	
		<i>For Manufacturer's Custom Colors, Add</i>	0.61	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	5.17	1.85
		<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	5.70	1.90
		<i>For Manufacturer's Custom Colors, Add</i>	0.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0041	LF		8" Exposure, Vinyl Fascia <i>For Manufacturer's Custom Colors, Add</i>	5.66 0.09	1.96
07 46 33 00-0042	LF		10" Exposure, Vinyl Fascia <i>For Manufacturer's Custom Colors, Add</i>	6.38 0.12	2.00
07 46 33 00-0043			Fiberglass Siding (07 46 33)		
07 46 33 00-0044			Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045	SF		6 Ounce Corrugated Fiberglass Panels	8.27	2.73
07 46 33 00-0046	SF		8 Ounce Corrugated Fiberglass Panels	8.80	2.45
07 46 33 00-0047	SF		12 Ounce Corrugated Fiberglass Panels	9.77	2.45
07 46 33 00-0048			Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049	SF		6 Ounce Flat Fiberglass Panels	7.93	2.45
07 46 33 00-0050	SF		8 Ounce Flat Fiberglass Panels	8.80	2.45
07 46 46			Fiber-Cement Siding (07 46) Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001			5/16" Thick, Fiber Cement Lap Siding (07 46 46)		
07 46 46 00-0002	SF		5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.81	2.87
07 46 46 00-0003	SF		6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.43	2.73
07 46 46 00-0004	SF		7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.26	2.67
07 46 46 00-0005	SF		8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.09	2.59
07 46 46 00-0006	SF		9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.78	2.45
07 46 46 00-0007	SF		12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.45	2.32
07 46 46 00-0008	LF		Starter Strip, Fiber Cement Lap Siding	1.70	0.68
07 46 46 00-0009			Fiber Cement Shingle Siding (07 46 46)		
07 46 46 00-0010	SF		Fiber Cement Shingle Siding	11.40	2.52
07 46 46 00-0011			Fiber Cement Vertical Panel Siding (07 46 46)		
07 46 46 00-0012	SF		Fiber Cement Vertical Panel Siding	5.72	2.05
07 46 46 00-0013			Fiber Cement Trim Boards (07 46 46)		
07 46 46 00-0014			7/16" Thick, Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0015	LF		4" Wide, 7/16" Thick, Fiber Cement Trim Board	3.74	1.37
07 46 46 00-0016	LF		6" Wide, 7/16" Thick, Fiber Cement Trim Board	4.68	1.50
07 46 46 00-0017	LF		8" Wide, 7/16" Thick, Fiber Cement Trim Board	5.58	1.64
07 46 46 00-0018	LF		12" Wide, 7/16" Thick, Fiber Cement Trim Board	7.27	1.92
07 46 46 00-0019			3/4" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0020	LF		4" Wide, 3/4" Thick, Fiber Cement Trim Board	3.91	1.37
07 46 46 00-0021	LF		6" Wide, 3/4" Thick, Fiber Cement Trim Board	4.93	1.50
07 46 46 00-0022	LF		8" Wide, 3/4" Thick, Fiber Cement Trim Board	6.00	1.64
07 46 46 00-0023	LF		12" Wide, 3/4" Thick, Fiber Cement Trim Board	6.34	1.92
07 46 46 00-0024			1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0025	LF		4" Wide, 1" Thick, Fiber Cement Trim Board	4.12	1.37
07 46 46 00-0026	LF		6" Wide, 1" Thick, Fiber Cement Trim Board	5.31	1.50
07 46 46 00-0027	LF		8" Wide, 1" Thick, Fiber Cement Trim Board	6.55	1.64
07 46 46 00-0028	LF		12" Wide, 1" Thick, Fiber Cement Trim Board	8.65	1.92
07 46 46 00-0029			Fiber Cement Fascia Board (07 46 46)		
07 46 46 00-0030	LF		5/4" x 3-1/2" Fiber Cement Fascia Board	7.01	2.71
07 46 46 00-0031	LF		5/4" x 5-1/2" Fiber Cement Fascia Board	8.53	3.01
07 46 46 00-0032	LF		5/4" x 7-1/4" Fiber Cement Fascia Board	9.33	3.01
07 46 46 00-0033	LF		5/4" x 11-1/4" Fiber Cement Fascia Board	12.11	3.54
07 46 46 00-0034			Fiber Cement Soffit Boards (07 46 46)		
07 46 46 00-0035	SF		1/4" Thick, Non-Vented Fiber Cement Soffit	8.04	1.96
07 46 46 00-0036	SF		1/4" Thick, Vented Fiber Cement Soffit	8.58	1.96
07 46 63			Fabricated Panel Assemblies with Siding (07 46)		
07 46 63 00-0001			Metal Liner Panels (07 46 63)		
07 46 63 00-0002			Galvanized Metal Liner Panels (07 46 63 00-0001)		
07 46 63 00-0003	SF		24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	10.93	2.08
07 46 63 00-0004	SF		22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	12.01	2.08
07 46 63 00-0005	SF		20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.91	2.08
07 46 63 00-0006	SF		18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	14.11	2.08

07	07	Thermal And Moisture Protection
	07 40	Roofing and Siding Panels
	07 46	Siding



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

07 50 Membrane Roofing ⁽⁰⁷⁾

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing ^(07 50)

07 51 13	Built-Up Asphalt Roofing	^(07 51)
07 51 13 00-0001	Built-Up Asphalt Roofing Components	^(07 51 13)
07 51 13 00-0002	Built-Up Asphalt Membrane Roofing	^(07 51 13 00-0001)
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.		
07 51 13 00-0003	Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing	^(07 51 13 00-0002)
Note: Includes applying cold adhesive and embedding the membrane.		
07 51 13 00-0004	Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets	^(07 51 13 00-0003)
07 51 13 00-0005	SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	124.06
	For Up To 10, Add	33.79
	For >10 To 20, Add	19.14
	For >20 To 40, Add	10.69
	For >75 To 100, Deduct	-5.35
	For >100 To 200, Deduct	-11.82
	For >200, Deduct	-17.16
07 51 13 00-0006	SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	330.36
	For Up To 10, Add	75.05
	For >10 To 20, Add	39.77
	For >20 To 40, Add	21.01
	For >75 To 100, Deduct	-10.50
	For >100 To 200, Deduct	-22.13
	For >200, Deduct	-32.63
07 51 13 00-0007	Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing	^(07 51 13 00-0003)
07 51 13 00-0008	SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	8.17
07 51 13 00-0009	Hot-Mopped, Built-Up Asphalt Membrane Roofing	^(07 51 13 00-0002)
Note: Includes mopping hot asphalt and embedding the membrane.		
07 51 13 00-0010	Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets	^(07 51 13 00-0009)
07 51 13 00-0011	SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	93.28
	For Up To 10, Add	27.76
	For >10 To 20, Add	16.16
	For >20 To 40, Add	9.22
	For >75 To 100, Deduct	-4.61
	For >100 To 200, Deduct	-10.36
	For >200, Deduct	-14.97
07 51 13 00-0012	SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	99.16
	For Up To 10, Add	28.94
	For >10 To 20, Add	16.75
	For >20 To 40, Add	9.51
	For >75 To 100, Deduct	-4.76
	For >100 To 200, Deduct	-10.65
	For >200, Deduct	-15.41
07 51 13 00-0013	SQ Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	105.84
	For Up To 10, Add	30.28
	For >10 To 20, Add	17.42
	For >20 To 40, Add	9.85
	For >75 To 100, Deduct	-4.92
	For >100 To 200, Deduct	-10.98
	For >200, Deduct	-15.91
07 51 13 00-0014	SQ Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	179.97
	For Up To 10, Add	45.10
	For >10 To 20, Add	24.83
	For >20 To 40, Add	13.55
	For >75 To 100, Deduct	-6.78
	For >100 To 200, Deduct	-14.69
	For >200, Deduct	-21.47
07 51 13 00-0015	SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	299.59
	For Up To 10, Add	69.03
	For >10 To 20, Add	36.79
	For >20 To 40, Add	19.53
	For >75 To 100, Deduct	-9.77
	For >100 To 200, Deduct	-20.67
	For >200, Deduct	-30.44
07 51 13 00-0016	SQ Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	229.54
	For Up To 10, Add	55.88
	For >10 To 20, Add	30.44
	For >20 To 40, Add	16.47
	For >75 To 100, Deduct	-8.23
	For >100 To 200, Deduct	-17.71
	For >200, Deduct	-25.94
07 51 13 00-0017	Hot-Mopped, Built-Up Asphalt Roofing Flashing	^(07 51 13 00-0009)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
07 51 13 00-0018	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	5.37	
07 51 13 00-0019			Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes fasteners.		
07 51 13 00-0020			Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)		
07 51 13 00-0021	SQ		Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	94.11	
			For Up To 10, Add	23.31	
			For >10 To 20, Add	12.78	
			For >20 To 40, Add	6.95	
			For >75 To 100, Deduct	-3.47	
			For >100 To 200, Deduct	-7.51	
			For >200, Deduct	-10.98	
07 51 13 00-0022	SQ		Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	174.92	
			For Up To 10, Add	39.47	
			For >10 To 20, Add	20.86	
			For >20 To 40, Add	10.99	
			For >75 To 100, Deduct	-5.49	
			For >100 To 200, Deduct	-11.55	
			For >200, Deduct	-17.04	
07 51 13 00-0023	SQ		Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	294.53	
			For Up To 10, Add	63.39	
			For >10 To 20, Add	32.82	
			For >20 To 40, Add	16.97	
			For >75 To 100, Deduct	-8.48	
			For >100 To 200, Deduct	-17.53	
			For >200, Deduct	-26.02	
07 51 13 00-0024			Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)		
07 51 13 00-0025	SF		Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	6.40	
07 51 13 00-0026			Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51 13 00-0027			Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ		15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	120.38	
			For Up To 10, Add	33.06	
			For >10 To 20, Add	18.77	
			For >20 To 40, Add	10.51	
			For >75 To 100, Deduct	-5.25	
			For >100 To 200, Deduct	-11.63	
			For >200, Deduct	-16.89	
07 51 13 00-0029	SQ		30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	135.54	
			For Up To 10, Add	36.09	
			For >10 To 20, Add	20.29	
			For >20 To 40, Add	11.27	
			For >75 To 100, Deduct	-5.63	
			For >100 To 200, Deduct	-12.39	
			For >200, Deduct	-18.02	
07 51 13 00-0030			Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031	SQ		15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	89.60	
			For Up To 10, Add	27.03	
			For >10 To 20, Add	15.79	
			For >20 To 40, Add	9.03	
			For >75 To 100, Deduct	-4.52	
			For >100 To 200, Deduct	-10.17	
			For >200, Deduct	-14.69	
07 51 13 00-0032	SQ		30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped.....	104.77	
			For Up To 10, Add	30.06	
			For >10 To 20, Add	17.31	
			For >20 To 40, Add	9.79	
			For >75 To 100, Deduct	-4.90	
			For >100 To 200, Deduct	-10.93	
			For >200, Deduct	-15.83	
07 51 13 00-0033			Mechanically Fastened, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes fasteners.		
07 51 13 00-0034	SQ		15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	45.01	
			For Up To 10, Add	13.49	
			For >10 To 20, Add	7.87	
			For >20 To 40, Add	4.49	
			For >75 To 100, Deduct	-2.25	
			For >100 To 200, Deduct	-5.05	
			For >200, Deduct	-7.30	
07 51 13 00-0035	SQ		30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	60.18	
			For Up To 10, Add	16.52	
			For >10 To 20, Add	9.38	
			For >20 To 40, Add	5.25	
			For >75 To 100, Deduct	-2.63	
			For >100 To 200, Deduct	-5.81	
			For >200, Deduct	-8.44	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 51 13 00-0036 Surfacing (07 51 13 00-0001)		
07 51 13 00-0037	SQ 400 Lb./SQ, Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat.....	200.95
	For Up To 10, Add	62.65
	For >10 To 20, Add	36.94
	For >20 To 40, Add	21.28
	For >75 To 100, Deduct	-10.64
	For >100 To 200, Deduct	-24.08
	For >200, Deduct	-34.72
07 51 13 00-0038	SQ 400 Lb./SQ, Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	290.22
	For Up To 10, Add	80.50
	For >10 To 20, Add	45.86
	For >20 To 40, Add	25.74
	For >75 To 100, Deduct	-12.87
	For >100 To 200, Deduct	-28.55
	For >200, Deduct	-41.42
07 51 13 00-0039	CY Gravel Roofing Ballast, Spread To Desired Thickness.....	213.12
	Note: Excludes hot asphalt or cold adhesive.	
07 51 13 00-0040	SQ Protective Polypropylene Fabric Mat, Loose Laid.....	56.60
	Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.	
	For Up To 10, Add	14.28
	For >10 To 20, Add	7.88
	For >20 To 40, Add	4.31
	For >75 To 100, Deduct	-2.16
	For >100 To 200, Deduct	-4.68
	For >200, Deduct	-6.84
07 51 13 00-0041	SQ Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat.....	136.71
	Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.	
	For Up To 10, Add	32.73
	For >10 To 20, Add	17.71
	For >20 To 40, Add	9.53
	For >75 To 100, Deduct	-4.77
	For >100 To 200, Deduct	-10.20
	For >200, Deduct	-14.97
07 51 13 00-0042	SQ Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat.....	121.95
	Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.	
	For Up To 10, Add	29.78
	For >10 To 20, Add	16.24
	For >20 To 40, Add	8.79
	For >75 To 100, Deduct	-4.40
	For >100 To 200, Deduct	-9.47
	For >200, Deduct	-13.86
07 51 13 00-0043	SQ Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	162.23
	Note: Reflective coating for use over smooth-surfaced built-up roofs.	
	For Up To 10, Add	37.84
	For >10 To 20, Add	20.27
	For >20 To 40, Add	10.81
	For >75 To 100, Deduct	-5.40
	For >100 To 200, Deduct	-11.48
	For >200, Deduct	-16.88
07 51 13 00-0044	SQ 100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	163.55
	Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	
	For Up To 10, Add	38.10
	For >10 To 20, Add	20.40
	For >20 To 40, Add	10.87
	For >75 To 100, Deduct	-5.44
	For >100 To 200, Deduct	-11.55
	For >200, Deduct	-16.98
	For Installation Over Granule Surfaced Asphalt Roof Systems, Add	47.77
07 51 13 00-0045	SQ 100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....	168.98
	Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	
	For Up To 10, Add	39.19
	For >10 To 20, Add	20.94
	For >20 To 40, Add	11.14
	For >75 To 100, Deduct	-5.57
	For >100 To 200, Deduct	-11.82
	For >200, Deduct	-17.39
	For Installation Over Granule Surfaced Asphalt Roof Systems, Add	49.56
07 51 13 00-0046	SF Ceramic Coated Roofing Granules, Hand Broadcast.....	2.83
	Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	
07 51 13 00-0047	SF Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast.....	4.89
	Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	
07 51 13 00-0048	SQ Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™).....	45.97
07 51 13 00-0049 Walkway Pads (07 51 13 00-0001)		
	Note: Set in hot asphalt or cold adhesive.	
07 51 13 00-0050	LF 5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	34.09
07 51 13 00-0051	LF 1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	40.45

07 51 13 00-0052 Cant And Tapered Edge Strips (07 51 13 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0053	LF		2" x 2" Perlite Cant Strip	5.25	
07 51 13 00-0054	LF		3" x 3" Perlite Cant Strip	5.40	
07 51 13 00-0055	LF		4" x 4" Perlite Cant Strip	6.10	
07 51 13 00-0056	LF		3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	5.09	
07 51 13 00-0057	LF		4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	5.23	
07 51 13 00-0058	LF		1/2" x 6" Perlite Tapered Edge Strip	5.90	
07 51 13 00-0059	LF		1/2" x 12" Perlite Tapered Edge Strip	6.69	
07 51 13 00-0060	LF		1" x 12" Perlite Tapered Edge Strip	6.91	
07 51 13 00-0061	LF		1" x 24" Perlite Tapered Edge Strip	7.74	
07 51 13 00-0062	LF		1-1/2" x 12" Perlite Tapered Edge Strip	7.66	
07 51 13 00-0063	LF		1-1/2" x 18" Perlite Tapered Edge Strip	9.16	
07 51 13 00-0064	LF		1-1/2" x 24" Perlite Tapered Edge Strip	10.25	
07 51 13 00-0065			Asphalt Primer (07 51 13 00-0001)		
07 51 13 00-0066	SQ		Asphalt Primer For Roofing Systems.....	42.95	
			Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.		
07 51 13 00-0067			Demolish Built-Up Roofing (07 51 13 00-0001)		
			Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
07 51 13 00-0068	SQ		Demolish Gravel/Slag Surfaced, Built Up Roofing System	471.58	
			For Up To 10, Add	117.15	
			For >10 To 25, Add	70.29	
07 51 13 00-0069	SQ		Demolish Cap Sheet Surfaced, Built Up Roofing System.....	363.79	
			Note: Includes protective surfacing.		
			For Up To 10, Add	90.37	
			For >10 To 25, Add	54.22	
07 51 13 00-0070			Roofing System Warranty (07 51 13 00-0001)		
			Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA		Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	653.66	
07 51 13 00-0072	SQ		>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	9.34	
07 51 13 00-0073	EA		Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	747.04	
07 51 13 00-0074	SQ		>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	14.94	
07 51 13 00-0075	EA		Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	1,027.18	
07 51 13 00-0076	SQ		>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty.....	20.54	
07 51 13 00-0077			Built-Up Roofing Components (Tremco) (07 51 13)		
			Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0078			Cold Applied BUR Base Plies And Ply Sheets (07 51 13 00-0077)		
07 51 13 00-0079	SQ		BURmastic Composite Ply, Cold Applied BUR Component	152.02	
			Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.		
07 51 13 00-0080	SQ		BURmastic Premium Composite Ply, Cold Applied BUR Component	183.98	
			Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0081	SQ		BURmastic Supreme Composite Ply, Cold Applied BUR Component.....	211.43	
			Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0082	SQ		28 Lb. BURmastic Glass Ply, Cold Applied BUR Component	48.44	
			Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0083	SQ		33 Lb. BURmastic Glass Ply, Cold Applied BUR Component	69.86	
			Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0084	SQ		POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component.....	287.55	
			Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.		
07 51 13 00-0085	SQ		POWERply Modified Heavy-Duty Base Sheet, Hot Applied BUR Component	266.06	
			Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.		
07 51 13 00-0086			Hot Or Cold Applied Modified Bitumen Cap Membrane (07 51 13 00-0077)		
07 51 13 00-0087	SQ		POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component	164.22	
			Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0088	SQ		POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component.....	431.66	
			Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0089	SQ		POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component	712.71	
			Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0090	SQ		POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component.....	192.31	
			Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.		
07 51 13 00-0091	SQ		POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component.....	293.59	
			Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**
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07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component707.94 Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.		
07 51 13 00-0093	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component.....516.31 Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.		
07 51 13 00-0094	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component.....509.69 Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.		
07 51 13 00-0095		Self Adhesive Base Plies And Ply Sheets (07 51 13 00-0077)		
07 51 13 00-0096	SQ	POWERply SA Base Sheet, Self Adhesive Roofing .....296.28 Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.		
07 51 13 00-0097	SQ	POWERply SA FR Membrane, Self Adhesive Roofing.....588.82 Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.		
07 51 13 00-0098		Flashings (07 51 13 00-0077)		
07 51 13 00-0099	LF	11-1/2" Hypalon Elastomeric Flashing .....19.01 Note: 45 mils.		
07 51 13 00-0100	LF	19" Hypalon Elastomeric Flashing .....30.97 Note: 45 mils.		
07 51 13 00-0101	LF	25" Hypalon Elastomeric Flashing .....41.14 Note: 45 mils.		
07 51 13 00-0102	LF	38" Hypalon Elastomeric Flashing .....60.27 Note: 45 mils.		
07 51 13 00-0103	LF	60-1/2" Hypalon Elastomeric Flashing .....99.37 Note: 45 mils.		
07 51 13 00-0104	LF	12" TRA Elastomeric Flashing Membrane .....15.21 Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0105	LF	18" TRA Elastomeric Flashing Membrane .....24.88 Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0106	LF	24" TRA Elastomeric Flashing Membrane .....33.16 Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0107	LF	36" TRA Elastomeric Flashing Membrane .....48.39 Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0108	LF	60" TRA Elastomeric Flashing Membrane .....81.49 Note: Polyester reinforced flashing membrane. 45 mils.		
07 51 13 00-0109	LF	4" BURmesh Fabric .....4.51 Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0110	LF	6" BURmesh Fabric .....4.69 Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0111	LF	12" BURmesh Fabric .....6.58 Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0112	LF	36" BURmesh Fabric .....16.97 Note: Glass membrane for reinforcement or repair of roof membranes and flashings.		
07 51 13 00-0113		Cold Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0114	SQ	BURmastic Inter-Ply Cold Applied Adhesive.....186.91		
07 51 13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive .....307.84		
07 51 13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive .....237.13		
07 51 13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive .....186.91		
07 51 13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive.....96.41		
07 51 13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive.....212.04		
07 51 13 00-0120	SQ	POWERply White On White Cold Applied Adhesive.....209.31		
07 51 13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications .....574.87		
07 51 13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC).....317.28 Note: For insulation only.		
07 51 13 00-0123	SQ	ECOLastic Cold Applied Adhesive .....358.78		
07 51 13 00-0124		Hot Applied Adhesives (07 51 13 00-0077)		
07 51 13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive .....69.82		
07 51 13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive.....126.69		
07 51 13 00-0127		Flashings Adhesives (07 51 13 00-0077)		
07 51 13 00-0128	LF	Sheeting Bond Flashing Adhesive .....24.12 Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.		
07 51 13 00-0129	LF	Polyroof SF Flashing Mastic .....31.31 Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.		
07 51 13 00-0130	LF	ELS Flashing Mastic .....19.80 Note: Used for repairing flashings and asphalt built-up roof defects.		
07 51 13 00-0131	LF	TremSEAL D General Purpose Sealant.....7.60		
07 51 13 00-0132	LF	TremSEAL HP High Performance Sealant .....7.79		
07 51 13 00-0133	LF	TremSEAL S Silicone Sealant .....7.64		
07 51 13 00-0134		Surfacing (07 51 13 00-0077)		
07 51 13 00-0135	SQ	TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating .....276.94		
07 51 13 00-0136	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating620.98		
07 51 13 00-0137	SQ	Polar Coat.....162.20		

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07 51 13 00-0138	SQ		Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	197.70	
07 51 13 00-0139	SQ		Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls.....	567.53	
07 51 13 00-0140	SQ		Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls.....	261.44	
07 51 13 00-0141	SQ		100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB).....	72.93	
07 51 13 00-0142			Walkway Protection Pads (07 51 13 00-0077)		
07 51 13 00-0143	LF		36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®).....	37.23	
07 51 13 00-0144			Primer (07 51 13 00-0077)		
07 51 13 00-0145	SQ		TREMPprime WB Primer	43.68	
			Note: Water based polymer modified asphalt primer.		
07 51 13 00-0146	SQ		Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	92.61	
07 51 13 00-0147			Liquid Applied Roofing (07 51 13 00-0077)		
07 51 13 00-0148	SQ		Trem-LAR LRM H Waterproofing (Horizontal).....	472.64	
			Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0149	SQ		Trem-LAR LRM V Waterproofing (Vertical)	482.31	
			Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0150	SQ		AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces.....	616.27	
			Note: Two part liquid applied polyurethane roof coating. 48 mils.		
07 51 13 00-0151	SQ		AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces	799.61	
			Note: Two part liquid applied polyurethane roof coating. 64 mils.		
07 51 13 00-0152	SQ		AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating.....	469.27	
			Note: Two part liquid applied polyurethane roof coating. 32 mils.		
07 51 13 00-0153	SQ		AlphaGuard Glass Mat	90.28	
			Note: Reinforcement mat for AlphaGuard systems.		
07 51 13 00-0154	SQ		AlphaGuard C-Prime Primer	93.37	
			Note: 100% solids epoxy primer for concrete surfaces.		
07 51 13 00-0155	SQ		AlphaGuard M-Prime Primer.....	100.10	
			Note: Water based primer for metal and plastic surfaces.		
07 51 13 00-0156	SQ		Geogard Primer	74.68	
			Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.		
07 51 13 00-0157	SQ		AlphaGuard Primer WB	67.52	
			Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.		
07 51 13 00-0158			Atactic-Polypropylene (APP) Products (07 51 13 00-0077)		
07 51 13 00-0159	SQ		POWERply Atactic-Polypropylene (APP) Base Sheet	244.19	
07 51 13 00-0160	SQ		POWERply Atactic-Polypropylene (APP) FR	460.65	
07 51 13 00-0161	SQ		POWERply Atactic-Polypropylene (APP) Smooth	369.21	
07 51 13 00-0162			Tri-Polymer Alloy (TPA) White Membrane (07 51 13 00-0077)		
07 51 13 00-0163	SQ		45 Mil Tri-Polymer Alloy (TPA) White Membrane	650.74	
07 51 13 00-0164	SQ		60 Mil Tri-Polymer Alloy (TPA) White Membrane	886.42	
07 51 13 00-0165	SQ		80 Mil Tri-Polymer Alloy (TPA) White Membrane	1,004.39	
07 51 13 00-0166			Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane (07 51 13 00-0077)		
07 51 13 00-0167	SQ		45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....	745.00	
07 51 13 00-0168	SQ		60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....	910.11	
07 51 13 00-0169	SQ		80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....	1,109.95	
07 51 13 00-0170			Tri-Polymer Alloy (TPA) Membrane Accessories (07 51 13 00-0077)		
07 51 13 00-0171	EA		>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	133.77	
07 51 13 00-0172	EA		>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	151.88	
07 51 13 00-0173	LF		36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco).....	23.06	
07 51 13 00-0174	SQ		Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco).....	81.32	
07 51 13 00-0175			Thermoplastic Polyolefin (TPO) Polyester White Membrane (07 51 13 00-0077)		
07 51 13 00-0176	SQ		45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	355.50	
07 51 13 00-0177	SQ		60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	358.56	
07 51 13 00-0178	SQ		80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	631.61	
07 51 13 00-0179			Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane (07 51 13 00-0077)		
07 51 13 00-0180	SQ		45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	409.79	
07 51 13 00-0181	SQ		60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	459.10	
07 51 13 00-0182	SQ		80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....	662.15	
07 51 13 00-0183			Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510) (07 51 13 00-0077)		
07 51 13 00-0184	SQ		45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510).....	1,078.04	

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07 51 13 00-0185		Single Ply Adhesives (07 51 13 00-0077)	
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	178.62
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	201.06
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	175.37
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	118.79
07 51 13 00-0190		Warranty (Tremco) (07 51 13 00-0077)	
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty	0.20
07 51 13 00-0195		Built-Up Roofing Components (Garland) (07 51 13)	
Note: All tasks presented as a single layer. Adhesives are priced separately.			
07 51 13 00-0196		Modified Cap Membranes (07 51 13 00-0195)	
See CSI section 07 51 13 00-0220 for base membrane.			
07 51 13 00-0197		Modified Cap Membranes, Hot/Cold Applied (07 51 13 00-0196)	
Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.			
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	749.17
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	536.66
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	663.87
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	689.76
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	959.40
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,078.22
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil	452.96
Note: Low strength cap sheet for hot or cold modified systems used with gravel.			
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	572.47
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	351.03
07 51 13 00-0207		Modified Cap Membranes, Self-Adhering (07 51 13 00-0196)	
Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.			
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil	678.34
Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.			
07 51 13 00-0209		Modified Cap Membranes, Torch-Applied (07 51 13 00-0196)	
Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.			
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	834.49
Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.			
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	907.62
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	956.36
07 51 13 00-0213	SQ	Stressply® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	874.10
07 51 13 00-0214	SQ	Stressply® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil	925.90
07 51 13 00-0215	SQ	Stressply® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	971.60
07 51 13 00-0216		Modified Cap Membranes, Coal Tar Pitch Systems (07 51 13 00-0196)	
Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.			
07 51 13 00-0217	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	767.35
07 51 13 00-0218	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,215.33
07 51 13 00-0219	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	989.88
07 51 13 00-0220		Base Ply (07 51 13 00-0195)	
Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems. See CSI section 07 51 13 00-0196 for cap membrane.			
07 51 13 00-0221	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	685.19
07 51 13 00-0222	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	431.55
07 51 13 00-0223	SQ	HPR® Glasbase Heavy-Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil	99.55
Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.			
07 51 13 00-0224	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil	66.34
Note: Inner ply felts for hot applied built up and modified BUR systems.			

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07 51 13 00-0225	SQ		HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil.....	80.50	
07 51 13 00-0226	SQ		HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil.....	87.35	
07 51 13 00-0227	SQ		HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil.....	134.39	
			Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.		
07 51 13 00-0228	SQ		Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil.....	435.26	
07 51 13 00-0229	SQ		HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil.....	377.48	
			Note: Self adhering base ply for self adhering 2 ply system.		
07 51 13 00-0230	SQ		SA Base IV Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With StressPly Cap Sheets, 110 Mil.....	351.09	
07 51 13 00-0231	SQ		StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil.....	382.13	
07 51 13 00-0232	SQ		StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil.....	317.39	
07 51 13 00-0233	LF		Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric.....	6.41	
07 51 13 00-0234	LF		Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems.....	17.00	
07 51 13 00-0235	SQ		Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	77.07	
07 51 13 00-0236	LF		Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	8.31	
07 51 13 00-0237	LF		Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	6.10	
07 51 13 00-0238	LF		Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	6.99	
07 51 13 00-0239	SQ		HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications.....	166.88	
07 51 13 00-0240 Coatings And Mastics For Roof Installation, Restoration And Repairs (07 51 13 00-0195)					
07 51 13 00-0241	SQ		Water Based Roof Primer, GarlaPrime VOC Primer.....	50.37	
07 51 13 00-0242	SQ		Black-Knight® Primer.....	46.78	
07 51 13 00-0243	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply.....	184.80	
07 51 13 00-0244	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ).....	197.22	
07 51 13 00-0245	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ).....	313.89	
07 51 13 00-0246	SQ		Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply.....	499.00	
07 51 13 00-0247	SQ		Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat.....	515.56	
07 51 13 00-0248	SQ		Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	242.10	
07 51 13 00-0249	SQ		Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration.....	399.82	
07 51 13 00-0250	SQ		Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	611.25	
07 51 13 00-0251	SQ		Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration.....	1,015.26	
07 51 13 00-0252	SQ		Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproof, Interply.....	426.58	
07 51 13 00-0253	SQ		Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproof, Flood Coat.....	443.14	
07 51 13 00-0254	SQ		Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only.....	930.82	
07 51 13 00-0255	SQ		Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only.....	405.28	
07 51 13 00-0256	SQ		HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply.....	200.16	
07 51 13 00-0257	SQ		HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat.....	216.72	
07 51 13 00-0258	SQ		Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel.....	189.09	
07 51 13 00-0259	SQ		Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers.....	176.99	
07 51 13 00-0260	SQ		Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products.....	24.01	
			Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0261	SQ		Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required.....	209.35	
07 51 13 00-0262	SQ		Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System.....	203.02	
07 51 13 00-0263	LF		Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh.....	27.41	
07 51 13 00-0264	SQ		Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat.....	270.31	
07 51 13 00-0265	SQ		Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric.....	1,572.62	
07 51 13 00-0266	SQ		Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ).....	347.92	
07 51 13 00-0267	SQ		Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel.....	423.17	
07 51 13 00-0268	SQ		Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply.....	159.24	
07 51 13 00-0269	SQ		Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System.....	550.21	
07 51 13 00-0270	SQ		Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply.....	158.08	
			Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

07 52 Modified Bituminous Membrane Roofing (07 50)

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing
(07 52 13)
07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing
(07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets
(07 52 13 11-0001)

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	222.95
		For Up To 10, Add	53.57
		For >10 To 20, Add	29.03
		For >20 To 40, Add	15.64
		For >75 To 100, Deduct	-7.82
		For >100 To 200, Deduct	-16.76
		For >200, Deduct	-24.58
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	270.05
		For Up To 10, Add	62.99
		For >10 To 20, Add	33.74
		For >20 To 40, Add	17.99
		For >75 To 100, Deduct	-9.00
		For >100 To 200, Deduct	-19.12
		For >200, Deduct	-28.11
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	420.46
		For Up To 10, Add	93.07
		For >10 To 20, Add	48.78
		For >20 To 40, Add	25.51
		For >75 To 100, Deduct	-12.76
		For >100 To 200, Deduct	-26.64
		For >200, Deduct	-39.39
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	424.74
		For Up To 10, Add	94.78
		For >10 To 20, Add	49.85
		For >20 To 40, Add	26.16
		For >75 To 100, Deduct	-13.08
		For >100 To 200, Deduct	-27.38
		For >200, Deduct	-40.46
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	305.94
		For Up To 10, Add	71.02
		For >10 To 20, Add	37.97
		For >20 To 40, Add	20.22
		For >75 To 100, Deduct	-10.11
		For >100 To 200, Deduct	-21.44
		For >200, Deduct	-31.55
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	353.59
		For Up To 10, Add	80.55
		For >10 To 20, Add	42.74
		For >20 To 40, Add	22.60
		For >75 To 100, Deduct	-11.30
		For >100 To 200, Deduct	-23.83
		For >200, Deduct	-35.13
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	483.40
		For Up To 10, Add	106.52
		For >10 To 20, Add	55.72
		For >20 To 40, Add	29.09
		For >75 To 100, Deduct	-14.54
		For >100 To 200, Deduct	-30.32
		For >200, Deduct	-44.86
		For Factory Applied White Reflective Surfacing, Add	108.28

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing
(07 52 13 11-0001)

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	6.49
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	9.65
		For Factory Applied White Reflective Surfacing, Add	1.08

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing
(07 52 13)
07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing
(07 52 13 13)

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets
(07 52 13 13-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied.....	162.60		
		For Up To 10, Add	41.49		
		For >10 To 20, Add	22.99		
		For >20 To 40, Add	12.62		
		For >75 To 100, Deduct	-6.31		
		For >100 To 200, Deduct	-13.74		
		For >200, Deduct	-20.05		
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	209.70		
		For Up To 10, Add	50.91		
		For >10 To 20, Add	27.70		
		For >20 To 40, Add	14.97		
		For >75 To 100, Deduct	-7.49		
		For >100 To 200, Deduct	-16.09		
		For >200, Deduct	-23.58		
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	254.33		
		For Up To 10, Add	64.34		
		For >10 To 20, Add	35.54		
		For >20 To 40, Add	19.45		
		For >75 To 100, Deduct	-9.73		
		For >100 To 200, Deduct	-21.14		
		For >200, Deduct	-30.86		
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	266.39		
		For Up To 10, Add	66.75		
		For >10 To 20, Add	36.74		
		For >20 To 40, Add	20.06		
		For >75 To 100, Deduct	-10.03		
		For >100 To 200, Deduct	-21.74		
		For >200, Deduct	-31.77		
07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	364.24		
		For Up To 10, Add	86.32		
		For >10 To 20, Add	46.53		
		For >20 To 40, Add	24.95		
		For >75 To 100, Deduct	-12.47		
		For >100 To 200, Deduct	-26.63		
		For >200, Deduct	-39.11		
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	254.33		
		For Up To 10, Add	64.34		
		For >10 To 20, Add	35.54		
		For >20 To 40, Add	19.45		
		For >75 To 100, Deduct	-9.73		
		For >100 To 200, Deduct	-21.14		
		For >200, Deduct	-30.86		
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	269.40		
		For Up To 10, Add	67.35		
		For >10 To 20, Add	37.05		
		For >20 To 40, Add	20.21		
		For >75 To 100, Deduct	-10.10		
		For >100 To 200, Deduct	-21.89		
		For >200, Deduct	-31.99		
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	364.24		
		For Up To 10, Add	86.32		
		For >10 To 20, Add	46.53		
		For >20 To 40, Add	24.95		
		For >75 To 100, Deduct	-12.47		
		For >100 To 200, Deduct	-26.63		
		For >200, Deduct	-39.11		
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	263.83		
		For Up To 10, Add	66.24		
		For >10 To 20, Add	36.49		
		For >20 To 40, Add	19.93		
		For >75 To 100, Deduct	-9.96		
		For >100 To 200, Deduct	-21.61		
		For >200, Deduct	-31.58		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	278.45		
		For Up To 10, Add	69.16		
		For >10 To 20, Add	37.95		
		For >20 To 40, Add	20.66		
		For >75 To 100, Deduct	-10.33		
		For >100 To 200, Deduct	-22.34		
		For >200, Deduct	-32.67		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	314.33		
		For Up To 10, Add	76.34		
		For >10 To 20, Add	41.54		
		For >20 To 40, Add	22.45		
		For >75 To 100, Deduct	-11.23		
		For >100 To 200, Deduct	-24.14		
		For >200, Deduct	-35.36		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	318.71		
		For Up To 10, Add	77.22		
		For >10 To 20, Add	41.98		
		For >20 To 40, Add	22.67		
		For >75 To 100, Deduct	-11.34		
		For >100 To 200, Deduct	-24.36		
		For >200, Deduct	-35.69		
		For Factory Applied White Reflective Surfacing, Add	108.28		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	441.28
		For Up To 10, Add	101.73
		For >10 To 20, Add	54.23
		For >20 To 40, Add	28.80
		For >75 To 100, Deduct	-14.40
		For >100 To 200, Deduct	-30.49
		For >200, Deduct	-44.89
		For Factory Applied White Reflective Surfacing, Add	108.28

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 13-0001)

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.89
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.04
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.99
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied.....	4.13
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.53
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.76
		For Factory Applied White Reflective Surfacing, Add	1.08

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 14)

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	234.23
		For Up To 10, Add	51.33
		For >10 To 20, Add	26.79
		For >20 To 40, Add	13.95
		For >75 To 100, Deduct	-6.98
		For >100 To 200, Deduct	-14.52
		For >200, Deduct	-21.49

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)

07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	176.83
		For Up To 10, Add	44.35
		For >10 To 20, Add	24.42
		For >20 To 40, Add	13.33
		For >75 To 100, Deduct	-6.67
		For >100 To 200, Deduct	-14.45
		For >200, Deduct	-21.12
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	229.13
		For Up To 10, Add	54.81
		For >10 To 20, Add	29.65
		For >20 To 40, Add	15.95
		For >75 To 100, Deduct	-7.97
		For >100 To 200, Deduct	-17.07
		For >200, Deduct	-25.04
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	235.88
		For Up To 10, Add	56.16
		For >10 To 20, Add	30.32
		For >20 To 40, Add	16.28
		For >75 To 100, Deduct	-8.14
		For >100 To 200, Deduct	-17.41
		For >200, Deduct	-25.55
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	319.30
		For Up To 10, Add	72.84
		For >10 To 20, Add	38.67
		For >20 To 40, Add	20.46
		For >75 To 100, Deduct	-10.23
		For >100 To 200, Deduct	-21.58
		For >200, Deduct	-31.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	403.74		
		For Up To 10, Add	89.73		
		For >10 To 20, Add	47.11		
		For >20 To 40, Add	24.68		
		For >75 To 100, Deduct	-12.34		
		For >100 To 200, Deduct	-25.80		
		For >200, Deduct	-38.14		
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	338.03		
		For Up To 10, Add	77.44		
		For >10 To 20, Add	41.18		
		For >20 To 40, Add	21.82		
		For >75 To 100, Deduct	-10.91		
		For >100 To 200, Deduct	-23.05		
		For >200, Deduct	-33.96		
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	347.10		
		For Up To 10, Add	79.26		
		For >10 To 20, Add	42.09		
		For >20 To 40, Add	22.27		
		For >75 To 100, Deduct	-11.14		
		For >100 To 200, Deduct	-23.50		
		For >200, Deduct	-34.64		
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	304.59		
		For Up To 10, Add	70.75		
		For >10 To 20, Add	37.84		
		For >20 To 40, Add	20.15		
		For >75 To 100, Deduct	-10.07		
		For >100 To 200, Deduct	-21.38		
		For >200, Deduct	-31.45		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	308.51		
		For Up To 10, Add	71.54		
		For >10 To 20, Add	38.23		
		For >20 To 40, Add	20.34		
		For >75 To 100, Deduct	-10.17		
		For >100 To 200, Deduct	-21.57		
		For >200, Deduct	-31.74		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	344.69		
		For Up To 10, Add	78.77		
		For >10 To 20, Add	41.85		
		For >20 To 40, Add	22.15		
		For >75 To 100, Deduct	-11.08		
		For >100 To 200, Deduct	-23.38		
		For >200, Deduct	-34.46		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	350.72		
		For Up To 10, Add	79.98		
		For >10 To 20, Add	42.45		
		For >20 To 40, Add	22.45		
		For >75 To 100, Deduct	-11.23		
		For >100 To 200, Deduct	-23.68		
		For >200, Deduct	-34.91		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	403.49		
		For Up To 10, Add	90.53		
		For >10 To 20, Add	47.73		
		For >20 To 40, Add	25.09		
		For >75 To 100, Deduct	-12.55		
		For >100 To 200, Deduct	-26.32		
		For >200, Deduct	-38.87		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	499.62		
		For Up To 10, Add	109.76		
		For >10 To 20, Add	57.34		
		For >20 To 40, Add	29.90		
		For >75 To 100, Deduct	-14.95		
		For >100 To 200, Deduct	-31.13		
		For >200, Deduct	-46.08		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	311.13		
		For Up To 10, Add	72.06		
		For >10 To 20, Add	38.49		
		For >20 To 40, Add	20.47		
		For >75 To 100, Deduct	-10.24		
		For >100 To 200, Deduct	-21.70		
		For >200, Deduct	-31.94		
		For Factory Applied White Reflective Surfacing, Add	108.28		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	320.57
		For Up To 10, Add	73.95
		For >10 To 20, Add	39.43
		For >20 To 40, Add	20.95
		For >75 To 100, Deduct	-10.47
		For >100 To 200, Deduct	-22.18
		For >200, Deduct	-32.65
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	371.83
		For Up To 10, Add	84.20
		For >10 To 20, Add	44.56
		For >20 To 40, Add	23.51
		For >75 To 100, Deduct	-11.75
		For >100 To 200, Deduct	-24.74
		For >200, Deduct	-36.49
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	373.04
		For Up To 10, Add	84.44
		For >10 To 20, Add	44.68
		For >20 To 40, Add	23.57
		For >75 To 100, Deduct	-11.79
		For >100 To 200, Deduct	-24.80
		For >200, Deduct	-36.58
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	395.95
		For Up To 10, Add	89.03
		For >10 To 20, Add	46.97
		For >20 To 40, Add	24.72
		For >75 To 100, Deduct	-12.36
		For >100 To 200, Deduct	-25.95
		For >200, Deduct	-38.30
		For Factory Applied White Reflective Surfacing, Add	108.28

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing

(07 52 16 11-0001)

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.71
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.29
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.33
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.75
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.28
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	7.24
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.35
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.45
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.97
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.20
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	8.08
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	14.86

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing

(07 52 16)

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing

(07 52 16 12)

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets

(07 52 16 12-0001)

07 52 16 12-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	146.05
		For Up To 10, Add	38.32
		For >10 To 20, Add	21.44
		For >20 To 40, Add	11.86
		For >75 To 100, Deduct	-5.93
		For >100 To 200, Deduct	-13.00
		For >200, Deduct	-18.92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0004	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	198.35	
			For Up To 10, Add	48.78	
			For >10 To 20, Add	26.67	
			For >20 To 40, Add	14.47	
			For >75 To 100, Deduct	-7.24	
			For >100 To 200, Deduct	-15.61	
			For >200, Deduct	-22.85	
07 52 16 12-0005	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	205.10	
			For Up To 10, Add	50.13	
			For >10 To 20, Add	27.34	
			For >20 To 40, Add	14.81	
			For >75 To 100, Deduct	-7.40	
			For >100 To 200, Deduct	-15.95	
			For >200, Deduct	-23.35	
07 52 16 12-0006	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	288.53	
			For Up To 10, Add	66.81	
			For >10 To 20, Add	35.68	
			For >20 To 40, Add	18.98	
			For >75 To 100, Deduct	-9.49	
			For >100 To 200, Deduct	-20.12	
			For >200, Deduct	-29.61	
07 52 16 12-0007	SQ		125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	372.96	
			For Up To 10, Add	83.70	
			For >10 To 20, Add	44.13	
			For >20 To 40, Add	23.20	
			For >75 To 100, Deduct	-11.60	
			For >100 To 200, Deduct	-24.34	
			For >200, Deduct	-35.94	
07 52 16 12-0008	SQ		140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	307.31	
			For Up To 10, Add	71.44	
			For >10 To 20, Add	38.21	
			For >20 To 40, Add	20.35	
			For >75 To 100, Deduct	-10.18	
			For >100 To 200, Deduct	-21.60	
			For >200, Deduct	-31.78	
07 52 16 12-0009	SQ		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	316.39	
			For Up To 10, Add	73.25	
			For >10 To 20, Add	39.12	
			For >20 To 40, Add	20.81	
			For >75 To 100, Deduct	-10.40	
			For >100 To 200, Deduct	-22.05	
			For >200, Deduct	-32.46	
07 52 16 12-0010	SQ		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	273.87	
			For Up To 10, Add	64.75	
			For >10 To 20, Add	34.87	
			For >20 To 40, Add	18.68	
			For >75 To 100, Deduct	-9.34	
			For >100 To 200, Deduct	-19.93	
			For >200, Deduct	-29.27	
			For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0011	SQ		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	277.79	
			For Up To 10, Add	65.53	
			For >10 To 20, Add	35.26	
			For >20 To 40, Add	18.88	
			For >75 To 100, Deduct	-9.44	
			For >100 To 200, Deduct	-20.12	
			For >200, Deduct	-29.56	
			For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0012	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	313.98	
			For Up To 10, Add	72.77	
			For >10 To 20, Add	38.88	
			For >20 To 40, Add	20.69	
			For >75 To 100, Deduct	-10.34	
			For >100 To 200, Deduct	-21.93	
			For >200, Deduct	-32.28	
			For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0013	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	320.01	
			For Up To 10, Add	73.98	
			For >10 To 20, Add	39.48	
			For >20 To 40, Add	20.99	
			For >75 To 100, Deduct	-10.49	
			For >100 To 200, Deduct	-22.24	
			For >200, Deduct	-32.73	
			For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0014	SQ		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	372.78	
			For Up To 10, Add	84.53	
			For >10 To 20, Add	44.76	
			For >20 To 40, Add	23.63	
			For >75 To 100, Deduct	-11.81	
			For >100 To 200, Deduct	-24.87	
			For >200, Deduct	-36.69	
			For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 12-0015	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	468.91	
			For Up To 10, Add	103.76	
			For >10 To 20, Add	54.37	
			For >20 To 40, Add	28.43	
			For >75 To 100, Deduct	-14.22	
			For >100 To 200, Deduct	-29.68	
			For >200, Deduct	-43.90	
			For Factory Applied White Reflective Surfacing, Add	108.28	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	280.42
		For Up To 10, Add	66.06
		For >10 To 20, Add	35.52
		For >20 To 40, Add	19.01
		For >75 To 100, Deduct	-9.50
		For >100 To 200, Deduct	-20.26
		For >200, Deduct	-29.76
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	289.85
		For Up To 10, Add	67.95
		For >10 To 20, Add	36.47
		For >20 To 40, Add	19.48
		For >75 To 100, Deduct	-9.74
		For >100 To 200, Deduct	-20.73
		For >200, Deduct	-30.47
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	341.12
		For Up To 10, Add	78.20
		For >10 To 20, Add	41.59
		For >20 To 40, Add	22.04
		For >75 To 100, Deduct	-11.02
		For >100 To 200, Deduct	-23.29
		For >200, Deduct	-34.31
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	342.32
		For Up To 10, Add	78.44
		For >10 To 20, Add	41.71
		For >20 To 40, Add	22.10
		For >75 To 100, Deduct	-11.05
		For >100 To 200, Deduct	-23.35
		For >200, Deduct	-34.40
		For Factory Applied White Reflective Surfacing, Add	108.28
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	365.24
		For Up To 10, Add	83.02
		For >10 To 20, Add	44.01
		For >20 To 40, Add	23.25
		For >75 To 100, Deduct	-11.63
		For >100 To 200, Deduct	-24.50
		For >200, Deduct	-36.12
		For Factory Applied White Reflective Surfacing, Add	108.28

07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing
(07 52 16 12-0001)

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.49
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.07
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.11
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.47
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.53
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.06
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.02
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.13
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.23
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.66
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.98
		For Factory Applied White Reflective Surfacing, Add	1.08
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.86
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	14.63

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing
(07 52 16)

 07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing
 (07 52 16 13)

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

 07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets
 (07 52 16 13-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	296.54		
		For Up To 10, Add	72.78		
		For >10 To 20, Add	39.76		
		For >20 To 40, Add	21.56		
		For >75 To 100, Deduct	-10.78		
		For >100 To 200, Deduct	-23.25		
		For >200, Deduct	-34.03		
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	267.29		
		For Up To 10, Add	66.93		
		For >10 To 20, Add	36.83		
		For >20 To 40, Add	20.10		
		For >75 To 100, Deduct	-10.05		
		For >100 To 200, Deduct	-21.79		
		For >200, Deduct	-31.84		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	301.67		
		For Up To 10, Add	73.81		
		For >10 To 20, Add	40.27		
		For >20 To 40, Add	21.82		
		For >75 To 100, Deduct	-10.91		
		For >100 To 200, Deduct	-23.50		
		For >200, Deduct	-34.42		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	457.51		
		For Up To 10, Add	104.98		
		For >10 To 20, Add	55.86		
		For >20 To 40, Add	29.61		
		For >75 To 100, Deduct	-14.81		
		For >100 To 200, Deduct	-31.30		
		For >200, Deduct	-46.10		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	277.12		
		For Up To 10, Add	68.90		
		For >10 To 20, Add	37.82		
		For >20 To 40, Add	20.59		
		For >75 To 100, Deduct	-10.30		
		For >100 To 200, Deduct	-22.28		
		For >200, Deduct	-32.57		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	317.65		
		For Up To 10, Add	77.00		
		For >10 To 20, Add	41.87		
		For >20 To 40, Add	22.62		
		For >75 To 100, Deduct	-11.31		
		For >100 To 200, Deduct	-24.30		
		For >200, Deduct	-35.61		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	330.67		
		For Up To 10, Add	79.80		
		For >10 To 20, Add	43.32		
		For >20 To 40, Add	23.37		
		For >75 To 100, Deduct	-11.68		
		For >100 To 200, Deduct	-25.07		
		For >200, Deduct	-36.76		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	425.27		
		For Up To 10, Add	98.72		
		For >10 To 20, Add	52.78		
		For >20 To 40, Add	28.10		
		For >75 To 100, Deduct	-14.05		
		For >100 To 200, Deduct	-29.80		
		For >200, Deduct	-43.85		
		For Factory Applied White Reflective Surfacing, Add	108.28		
07 52 16 13-0011		Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 13-0001)			
07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.40		
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.37		
		For Factory Applied White Reflective Surfacing, Add	1.08		
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.92		
		For Factory Applied White Reflective Surfacing, Add	1.08		
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.56		
		For Factory Applied White Reflective Surfacing, Add	1.08		
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.64		
		For Factory Applied White Reflective Surfacing, Add	1.08		
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.60		
		For Factory Applied White Reflective Surfacing, Add	1.08		
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.80		
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	13.54		

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 14-0001	Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing	(07 52 16 14)		
	Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.			
07 52 16 14-0002	Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets	(07 52 16 14-0001)		
07 52 16 14-0003	SQ 35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened		182.26	
	For Up To 10, Add		40.94	
	For >10 To 20, Add		21.59	
	For >20 To 40, Add		11.36	
	For >75 To 100, Deduct		-5.68	
	For >100 To 200, Deduct		-11.92	
	For >200, Deduct		-17.59	
07 52 16 14-0004	SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened		141.00	
	For Up To 10, Add		32.69	
	For >10 To 20, Add		17.46	
	For >20 To 40, Add		9.29	
	For >75 To 100, Deduct		-4.65	
	For >100 To 200, Deduct		-9.85	
	For >200, Deduct		-14.50	
07 52 16 14-0005	SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened		181.62	
	For Up To 10, Add		40.81	
	For >10 To 20, Add		21.53	
	For >20 To 40, Add		11.32	
	For >75 To 100, Deduct		-5.66	
	For >100 To 200, Deduct		-11.88	
	For >200, Deduct		-17.55	
07 52 16 14-0006	SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened		226.49	
	For Up To 10, Add		49.78	
	For >10 To 20, Add		26.01	
	For >20 To 40, Add		13.57	
	For >75 To 100, Deduct		-6.78	
	For >100 To 200, Deduct		-14.13	
	For >200, Deduct		-20.91	
07 52 16 14-0007	SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened		283.48	
	For Up To 10, Add		61.18	
	For >10 To 20, Add		31.71	
	For >20 To 40, Add		16.42	
	For >75 To 100, Deduct		-8.21	
	For >100 To 200, Deduct		-16.98	
	For >200, Deduct		-25.19	
07 52 16 14-0008	Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing	(07 52 16 14-0001)		
07 52 16 14-0009	SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened		3.73	
07 52 16 14-0010	SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened		3.81	

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)

07 52 16 15-0001	Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing	(07 52 16 15)		
	Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.			
07 52 16 15-0002	Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets	(07 52 16 15-0001)		
07 52 16 15-0003	SQ 60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering		147.46	
	For Up To 10, Add		34.88	
	For >10 To 20, Add		18.79	
	For >20 To 40, Add		10.07	
	For >75 To 100, Deduct		-5.03	
	For >100 To 200, Deduct		-10.74	
	For >200, Deduct		-15.78	
07 52 16 15-0004	SQ 70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering		156.01	
	For Up To 10, Add		36.59	
	For >10 To 20, Add		19.64	
	For >20 To 40, Add		10.50	
	For >75 To 100, Deduct		-5.25	
	For >100 To 200, Deduct		-11.17	
	For >200, Deduct		-16.42	
07 52 16 15-0005	SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering		260.80	
	For Up To 10, Add		57.95	
	For >10 To 20, Add		30.43	
	For >20 To 40, Add		15.94	
	For >75 To 100, Deduct		-7.97	
	For >100 To 200, Deduct		-16.66	
	For >200, Deduct		-24.63	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	310.91	
		For Up To 10, Add	67.98	
		For >10 To 20, Add	35.44	
		For >20 To 40, Add	18.44	
		For >75 To 100, Deduct	-9.22	
		For >100 To 200, Deduct	-19.17	
		For >200, Deduct	-28.39	
		For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	458.67	
		For Up To 10, Add	97.53	
		For >10 To 20, Add	50.21	
		For >20 To 40, Add	25.83	
		For >75 To 100, Deduct	-12.92	
		For >100 To 200, Deduct	-26.55	
		For >200, Deduct	-39.47	
		For Factory Applied White Reflective Surfacing, Add	108.28	
07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing				
Flashing (07 52 16 15-0001)				
07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	4.35	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	4.84	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering.....	6.32	
		For Factory Applied White Reflective Surfacing, Add	1.08	
07 53 Elastomeric Membrane Roofing (07 50)				
Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.				
07 53 16 Chlorosulfonate-Polyethylene Roofing (07 53)				
07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes (07 53 16)				
Note: Includes hot air welding or adhesive bonding of seams.				
07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered	580.51	107.79
		Note: Includes adhesive.		
		For Up To 10, Add	159.22	
		For >10 To 20, Add	90.39	
		For >20 To 40, Add	50.58	
		For >75 To 100, Deduct	-25.29	
		For >100 To 200, Deduct	-55.97	
		For >200, Deduct	-81.26	
		For 15 Year Warranty, Add	3.00	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted	420.13	53.89
		Note: Includes ballast.		
		For Up To 10, Add	105.58	
		For >10 To 20, Add	58.18	
		For >20 To 40, Add	31.79	
		For >75 To 100, Deduct	-15.89	
		For >100 To 200, Deduct	-34.48	
		For >200, Deduct	-50.37	
		For 15 Year Warranty, Add	3.00	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened.....	457.76	80.84
		Note: Includes fasteners.		
		For Up To 10, Add	123.89	
		For >10 To 20, Add	70.03	
		For >20 To 40, Add	39.06	
		For >75 To 100, Deduct	-19.53	
		For >100 To 200, Deduct	-43.10	
		For >200, Deduct	-62.63	
		For 15 Year Warranty, Add	3.00	
		For Mechanically Fastened To Concrete Decks, Add	40.42	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	41.74	
07 53 23 Ethylene-Propylene-Diene-Monomer Roofing (07 53)				
07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes (07 53 23)				
Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).				
07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	312.41	53.89
		Note: Includes ballast.		
		For Up To 10, Add	84.04	
		For >10 To 20, Add	47.41	
		For >20 To 40, Add	26.40	
		For >75 To 100, Deduct	-13.20	
		For >100 To 200, Deduct	-29.09	
		For >200, Deduct	-42.29	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	8.70	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.68	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	397.94	57.26
		Note: Includes ballast.		
		For Up To 10, Add	102.49	
		For >10 To 20, Add	56.97	
		For >20 To 40, Add	31.35	
		For >75 To 100, Deduct	-15.67	
		For >100 To 200, Deduct	-34.21	
		For >200, Deduct	-49.89	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.70	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.68	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	528.71	60.63
		Note: Includes ballast.		
		For Up To 10, Add	130.00	
		For >10 To 20, Add	71.06	
		For >20 To 40, Add	38.56	
		For >75 To 100, Deduct	-19.28	
		For >100 To 200, Deduct	-41.59	
		For >200, Deduct	-60.88	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.70	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	377.26	80.84
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	107.79	
		For >10 To 20, Add	61.98	
		For >20 To 40, Add	35.03	
		For >75 To 100, Deduct	-17.52	
		For >100 To 200, Deduct	-39.07	
		For >200, Deduct	-56.59	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	8.70	
		For Low VOC Adhesive, Add	32.17	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.68	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
		For Integral Polyester Fleece-Backing, Add	117.15	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	462.80	84.21
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	126.24	
		For >10 To 20, Add	71.54	
		For >20 To 40, Add	39.98	
		For >75 To 100, Deduct	-19.99	
		For >100 To 200, Deduct	-44.19	
		For >200, Deduct	-64.18	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.70	
		For Low VOC Adhesive, Add	32.17	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.68	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
		For Integral Polyester Fleece-Backing, Add	129.91	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%)	593.56	87.57
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	153.74	
		For >10 To 20, Add	85.63	
		For >20 To 40, Add	47.19	
		For >75 To 100, Deduct	-23.60	
		For >100 To 200, Deduct	-51.57	
		For >200, Deduct	-75.17	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.70	
		For Low VOC Adhesive, Add	32.17	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
		For Integral Polyester Fleece-Backing, Add	143.83	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered	497.47	107.79
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	142.61	
		For >10 To 20, Add	82.08	
		For >20 To 40, Add	46.43	
		For >75 To 100, Deduct	-23.22	
		For >100 To 200, Deduct	-51.82	
		For >200, Deduct	-75.04	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	8.70	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.68	
		For Low VOC Adhesive, Add	80.43	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
		For Integral Polyester Fleece-Backing, Add	117.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0009	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	583.01	111.15
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	161.06	
			For >10 To 20, Add	91.65	
			For >20 To 40, Add	51.38	
			For >75 To 100, Deduct	-25.69	
			For >100 To 200, Deduct	-56.94	
			For >200, Deduct	-82.63	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.70	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.68	
			For Low VOC Adhesive, Add	80.43	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
			For Integral Polyester Fleece-Backing, Add	129.91	
07 53 23 00-0010	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	713.76	114.52
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	188.56	
			For >10 To 20, Add	105.73	
			For >20 To 40, Add	58.59	
			For >75 To 100, Deduct	-29.30	
			For >100 To 200, Deduct	-64.32	
			For >200, Deduct	-93.62	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.70	
			For Low VOC Adhesive, Add	80.43	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
			For Integral Polyester Fleece-Backing, Add	143.83	
07 53 23 00-0011	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	349.79	80.84
			Note: Includes fasteners.		
			For Up To 10, Add	102.29	
			For >10 To 20, Add	59.23	
			For >20 To 40, Add	33.66	
			For >75 To 100, Deduct	-16.83	
			For >100 To 200, Deduct	-37.70	
			For >200, Deduct	-54.53	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	8.70	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.68	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
			For Mechanically Fastened To Concrete Decks, Add	40.42	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	41.74	
07 53 23 00-0012	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	435.33	84.21
			Note: Includes fasteners.		
			For Up To 10, Add	120.75	
			For >10 To 20, Add	68.80	
			For >20 To 40, Add	38.61	
			For >75 To 100, Deduct	-19.30	
			For >100 To 200, Deduct	-42.82	
			For >200, Deduct	-62.12	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.70	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	27.68	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
			For Mechanically Fastened To Concrete Decks, Add	42.11	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	43.43	
07 53 23 00-0013	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened	566.09	87.57
			Note: Includes fasteners.		
			For Up To 10, Add	148.25	
			For >10 To 20, Add	82.88	
			For >20 To 40, Add	45.82	
			For >75 To 100, Deduct	-22.91	
			For >100 To 200, Deduct	-50.20	
			For >200, Deduct	-73.11	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low Slope Fire Rated, Add	8.70	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	83.02	
			For Mechanically Fastened To Concrete Decks, Add	43.79	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	45.11	
07 53 23 00-0014			Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories (07 53 23)		
07 53 23 00-0015	SQ		Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	77.85	
			For Up To 10, Add	20.96	
			For >10 To 20, Add	11.83	
			For >20 To 40, Add	6.59	
			For >75 To 100, Deduct	-3.29	
			For >100 To 200, Deduct	-7.26	
			For >200, Deduct	-10.56	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat	80.39	
		Note: 55% solids by volume.		
		For Up To 10, Add	21.47	
		For >10 To 20, Add	12.08	
		For >20 To 40, Add	6.71	
		For >75 To 100, Deduct	-3.36	
		For >100 To 200, Deduct	-7.39	
		For >200, Deduct	-10.75	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	50.32	12.80
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	70.41	12.80
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	128.37	12.80
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket.....	169.42	14.15
		Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad.....	38.50	7.82
		Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing.....	7.47	2.02
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	9.48	3.03

07 53 29 Polyisobutylene Roofing (07 53)**07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes** (07 53 29)

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted	554.87	60.63
		Note: Includes ballast.		
		For Up To 10, Add	135.23	
		For >10 To 20, Add	73.68	
		For >20 To 40, Add	39.87	
		For >75 To 100, Deduct	-19.94	
		For >100 To 200, Deduct	-42.90	
		For >200, Deduct	-62.84	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%)	625.50	87.57
		Note: Includes adhesive.		
		For Up To 10, Add	160.13	
		For >10 To 20, Add	88.82	
		For >20 To 40, Add	48.79	
		For >75 To 100, Deduct	-24.40	
		For >100 To 200, Deduct	-53.17	
		For >200, Deduct	-77.57	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered	754.39	114.52
		Note: Includes adhesive.		
		For Up To 10, Add	196.69	
		For >10 To 20, Add	109.80	
		For >20 To 40, Add	60.62	
		For >75 To 100, Deduct	-30.31	
		For >100 To 200, Deduct	-66.35	
		For >200, Deduct	-96.66	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	

07 54 Thermoplastic Membrane Roofing (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing (07 54)**07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes** (07 54 19)

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	261.21	53.89
		Note: Includes ballast.		
		For Up To 10, Add	73.80	
		For >10 To 20, Add	42.29	
		For >20 To 40, Add	23.84	
		For >75 To 100, Deduct	-11.92	
		For >100 To 200, Deduct	-26.53	
		For >200, Deduct	-38.45	
		For 15 Year Warranty, Add	3.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	44.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0003	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	290.99	57.26
			Note: Includes ballast.		
			For Up To 10, Add	81.10	
			For >10 To 20, Add	46.28	
			For >20 To 40, Add	26.00	
			For >75 To 100, Deduct	-13.00	
			For >100 To 200, Deduct	-28.86	
			For >200, Deduct	-41.87	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	44.09	
07 54 19 00-0004	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	323.83	58.94
			Note: Includes ballast.		
			For Up To 10, Add	88.34	
			For >10 To 20, Add	50.07	
			For >20 To 40, Add	27.98	
			For >75 To 100, Deduct	-13.99	
			For >100 To 200, Deduct	-30.93	
			For >200, Deduct	-44.92	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	44.09	
07 54 19 00-0005	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted	340.02	60.63
			Note: Includes ballast.		
			For Up To 10, Add	92.26	
			For >10 To 20, Add	52.19	
			For >20 To 40, Add	29.13	
			For >75 To 100, Deduct	-14.56	
			For >100 To 200, Deduct	-32.16	
			For >200, Deduct	-46.72	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	44.09	
07 54 19 00-0006	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	490.96	107.79
			Note: Includes adhesive.		
			For Up To 10, Add	141.31	
			For >10 To 20, Add	81.43	
			For >20 To 40, Add	46.11	
			For >75 To 100, Deduct	-23.05	
			For >100 To 200, Deduct	-51.49	
			For >200, Deduct	-74.55	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	84.43	
			For Integral Polyester Fleece-Backing, Add	44.09	
07 54 19 00-0007	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	520.76	111.15
			Note: Includes adhesive.		
			For Up To 10, Add	148.61	
			For >10 To 20, Add	85.42	
			For >20 To 40, Add	48.27	
			For >75 To 100, Deduct	-24.13	
			For >100 To 200, Deduct	-53.83	
			For >200, Deduct	-77.96	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	84.43	
			For Integral Polyester Fleece-Backing, Add	44.09	
07 54 19 00-0008	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	553.59	112.84
			Note: Includes adhesive.		
			For Up To 10, Add	155.85	
			For >10 To 20, Add	89.21	
			For >20 To 40, Add	50.25	
			For >75 To 100, Deduct	-25.12	
			For >100 To 200, Deduct	-55.89	
			For >200, Deduct	-81.01	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	84.43	
			For Integral Polyester Fleece-Backing, Add	44.09	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**
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 TOTAL DIRECT DEMOLITION
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07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered	569.77	114.52
		Note: Includes adhesive.		
		For Up To 10, Add	159.76	
		For >10 To 20, Add	91.33	
		For >20 To 40, Add	51.39	
		For >75 To 100, Deduct	-25.70	
		For >100 To 200, Deduct	-57.12	
		For >200, Deduct	-82.82	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Low VOC Adhesive, Add	84.43	
		For Integral Polyester Fleece-Backing, Add	44.09	
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened	290.34	80.84
		Note: Includes fasteners.		
		For Up To 10, Add	90.40	
		For >10 To 20, Add	53.29	
		For >20 To 40, Add	30.69	
		For >75 To 100, Deduct	-15.34	
		For >100 To 200, Deduct	-34.73	
		For >200, Deduct	-50.07	
		For 15 Year Warranty, Add	3.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	44.09	
		For Mechanically Fastened To Concrete Decks, Add	40.42	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	41.74	
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened	320.14	84.21
		Note: Includes fasteners.		
		For Up To 10, Add	97.71	
		For >10 To 20, Add	57.28	
		For >20 To 40, Add	32.85	
		For >75 To 100, Deduct	-16.42	
		For >100 To 200, Deduct	-37.06	
		For >200, Deduct	-53.48	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	44.09	
		For Mechanically Fastened To Concrete Decks, Add	42.11	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	43.43	
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened	352.96	85.89
		Note: Includes fasteners.		
		For Up To 10, Add	104.95	
		For >10 To 20, Add	61.06	
		For >20 To 40, Add	34.83	
		For >75 To 100, Deduct	-17.41	
		For >100 To 200, Deduct	-39.12	
		For >200, Deduct	-56.53	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	44.09	
		For Mechanically Fastened To Concrete Decks, Add	42.95	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	44.27	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened	369.15	87.57
		Note: Includes fasteners.		
		For Up To 10, Add	108.86	
		For >10 To 20, Add	63.19	
		For >20 To 40, Add	35.97	
		For >75 To 100, Deduct	-17.99	
		For >100 To 200, Deduct	-40.35	
		For >200, Deduct	-58.34	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	44.09	
		For Mechanically Fastened To Concrete Decks, Add	43.79	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	45.11	
07 54 19 00-0014		Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)		
07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....	77.85	
		For Up To 10, Add	20.96	
		For >10 To 20, Add	11.83	
		For >20 To 40, Add	6.59	
		For >75 To 100, Deduct	-3.29	
		For >100 To 200, Deduct	-7.26	
		For >200, Deduct	-10.56	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	80.39	
		Note: 55% solids by volume.		
		For Up To 10, Add	21.47	
		For >10 To 20, Add	12.08	
		For >20 To 40, Add	6.71	
		For >75 To 100, Deduct	-3.36	
		For >100 To 200, Deduct	-7.39	
		For >200, Deduct	-10.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0017	EA		Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	80.52	11.45
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018	EA		>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	112.08	12.80
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0019	EA		>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	142.71	14.15
			Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020	EA		6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket	180.43	14.15
			Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021	LF		36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	33.32	7.82
07 54 19 00-0022	SF		Polyvinyl Chloride (PVC) Membrane Base Flashing.....	8.78	2.02
07 54 19 00-0023	SF		Polyvinyl Chloride (PVC) Membrane Curb Flashing	10.79	3.03
07 54 19 00-0024	SF		Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	11.66	2.02
			Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

07 54 23 Thermoplastic-Polyolefin Roofing (07 54)
07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)

			Note: Includes polyester fabric reinforcement and hot air welding of seams.		
07 54 23 00-0002	SQ		45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	489.00	107.79
			Note: Includes adhesive.		
			For Up To 10, Add	140.91	
			For >10 To 20, Add	81.24	
			For >20 To 40, Add	46.01	
			For >75 To 100, Deduct	-23.00	
			For >100 To 200, Deduct	-51.40	
			For >200, Deduct	-74.40	
			For 15 Year Warranty, Add	3.00	
			For Low VOC Adhesive, Add	80.43	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0003	SQ		50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	510.79	109.47
			Note: Includes adhesive.		
			For Up To 10, Add	145.95	
			For >10 To 20, Add	83.92	
			For >20 To 40, Add	47.43	
			For >75 To 100, Deduct	-23.72	
			For >100 To 200, Deduct	-52.91	
			For >200, Deduct	-76.62	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	80.43	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ		60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	522.36	111.15
			Note: Includes adhesive.		
			For Up To 10, Add	148.93	
			For >10 To 20, Add	85.58	
			For >20 To 40, Add	48.35	
			For >75 To 100, Deduct	-24.17	
			For >100 To 200, Deduct	-53.91	
			For >200, Deduct	-78.08	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	80.43	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ		80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered	665.87	114.52
			Note: Includes adhesive.		
			For Up To 10, Add	178.98	
			For >10 To 20, Add	100.94	
			For >20 To 40, Add	56.20	
			For >75 To 100, Deduct	-28.10	
			For >100 To 200, Deduct	-61.92	
			For >200, Deduct	-90.02	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	7.00	
			For 25 Year Warranty, Add	9.00	
			For Low VOC Adhesive, Add	80.43	
			For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0006	SQ		45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	328.30	80.84
			Note: Includes fasteners.		
			For Up To 10, Add	98.00	
			For >10 To 20, Add	57.08	
			For >20 To 40, Add	32.58	
			For >75 To 100, Deduct	-16.29	
			For >100 To 200, Deduct	-36.63	
			For >200, Deduct	-52.92	
			For 15 Year Warranty, Add	3.00	
			For Integral Polyester Fleece-Backing, Add	33.25	
			For Mechanically Fastened To Concrete Decks, Add	40.42	
			For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	41.74	

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**
 MINOR
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 TOTAL DIRECT DEMOLITION
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07 54 23 00-0007	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	350.09	82.52
		Note: Includes fasteners.		
		For Up To 10, Add	103.03	
		For >10 To 20, Add	59.77	
		For >20 To 40, Add	34.01	
		For >75 To 100, Deduct	-17.00	
		For >100 To 200, Deduct	-38.14	
		For >200, Deduct	-55.14	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	41.26	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	42.58	
07 54 23 00-0008	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	361.65	84.21
		Note: Includes fasteners.		
		For Up To 10, Add	106.01	
		For >10 To 20, Add	61.43	
		For >20 To 40, Add	34.92	
		For >75 To 100, Deduct	-17.46	
		For >100 To 200, Deduct	-39.14	
		For >200, Deduct	-56.60	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	42.11	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	43.43	
07 54 23 00-0009	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened.....	505.16	87.57
		Note: Includes fasteners.		
		For Up To 10, Add	136.06	
		For >10 To 20, Add	76.79	
		For >20 To 40, Add	42.77	
		For >75 To 100, Deduct	-21.39	
		For >100 To 200, Deduct	-47.15	
		For >200, Deduct	-68.54	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	43.79	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	45.11	

07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)

07 54 23 00-0011	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat.....	91.85	
		For Up To 10, Add	23.76	
		For >10 To 20, Add	13.23	
		For >20 To 40, Add	7.29	
		For >75 To 100, Deduct	-3.64	
		For >100 To 200, Deduct	-7.96	
		For >200, Deduct	-11.61	
07 54 23 00-0012	SQ	Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat	80.39	
		Note: 55% solids by volume.		
		For Up To 10, Add	21.47	
		For >10 To 20, Add	12.08	
		For >20 To 40, Add	6.71	
		For >75 To 100, Deduct	-3.36	
		For >100 To 200, Deduct	-7.39	
		For >200, Deduct	-10.75	
		For Tan Or Gray Color, Add	2.67	
07 54 23 00-0013	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot.....	69.82	11.45
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0014	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot	75.50	12.80
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0015	EA	6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket.....	135.90	14.15
		Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0016	LF	30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad.....	32.93	7.82
07 54 23 00-0017	SF	Thermoplastic Polyolefin (TPO) Membrane Base Flashing	9.15	2.02
07 54 23 00-0018	SF	Thermoplastic Polyolefin (TPO) Curb Flashing.....	8.26	2.02
		For Tan Or Gray Color, Add	0.11	
07 54 23 00-0019	SF	Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing	13.13	2.02
		Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		

07 55 Protected Membrane Roofing (07 50)

See CSI section 07 26 13 00-0000 for wood deck building paper.

07 55 52 Modified Bituminous Protected Membrane Roofing (07 55)**07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing** (07 55 52)

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.

07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing (07 55 52)

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 56 Fluid-Applied Roofing (07 50)

07 56 00 00-0001		Neoprene Hypalon Liquid Roofing, 5 Coats (07 56)		
07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing <i>For Each Additional Coat, Add</i>	1,212.50 181.88	179.43
07 56 00 00-0003		Vinyl Spray Liquid Roofing (07 56)		
07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing	1,483.51	189.10
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing	1,660.08	211.19
07 56 00 00-0006		Silicone Elastomeric Liquid Roofing (07 56)		
07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	484.02	108.35
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	589.03	108.35
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	668.02	108.35
07 56 00 00-0010		Rubberized Acrylic Elastomeric Roof Coating, Sprayed On (07 56)		
		Note: As manufactured by Tru-Co, Inc.		
07 56 00 00-0011		Rubberized Acrylic Elastomeric Roof Coating, Sprayed On Assemblies (07 56 00 00-0010)		
07 56 00 00-0012	SQ	Elastomeric Installation Over Urethane Foam	1,105.37	
07 56 00 00-0013	SQ	Elastomeric Installation Over Decks	1,134.74	
07 56 00 00-0014	SQ	Elastomeric Installation Over Exterior, Waterproofing	457.75	
07 56 00 00-0015	SQ	Elastomeric Installation Over Existing Tar (Asphalt) And Gravel Roof.....	1,443.84	
07 56 00 00-0016	SQ	Elastomeric Installation Over New Construction, Waterproofing	808.84	
07 56 00 00-0017	SQ	Elastomeric Installation Over Mobile Home	533.56	
07 56 00 00-0018	SQ	Elastomeric Installation Over Corrugated Metal Roofs	626.03	
07 56 00 00-0019	SQ	Elastomeric Installation Over Granulate Mineral Surface, Cap Sheet (Semi-Smooth) Surface	1,197.83	
07 56 00 00-0020	SQ	4" Acrylic Gel With Fabric (Apply At Edges)	4.23	
07 56 00 00-0021	SQ	6" Acrylic Gel With Fabric (Apply At Edges)	5.98	
07 56 00 00-0022		Polyurethane Roof Coating, Sprayed On Assemblies (07 56)		
		Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.		
07 56 00 00-0023	SF	Up To 50 SF White (High-Albedo) Polyurethane Coating.....	12.54	
07 56 00 00-0024	SF	>50 To 100 SF White (High-Albedo) Polyurethane Coating	11.97	
07 56 00 00-0025	SF	>100 To 500 SF White (High-Albedo) Polyurethane Coating	11.39	
07 56 00 00-0026	SEA	>500 To 1,000 SF White (High-Albedo) Polyurethane Coating	10.66	
07 56 00 00-0027		Elastomeric Asphalt/Urethane Liquid Roofing Membrane (07 56)		
07 56 00 00-0028	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane	1,861.62	108.35
		Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 60 mil second coat.		
07 56 00 00-0029		Urethane Liquid Roofing Membrane (07 56)		
		Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0030	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	102.19	
07 56 00 00-0031	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	6.28	
07 56 00 00-0032	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	389.01	
07 56 00 00-0033	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	101.72	
07 56 00 00-0034	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	953.58	
07 56 00 00-0035	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,437.91	
07 56 00 00-0036	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	986.38	
07 56 00 00-0037	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....	257.57	

07 57 Coated Foamed Roofing (07 50)
07 57 13 Sprayed Polyurethane Foam Roofing (07 57)

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001		Sprayed Polyurethane Foam Roofing Systems (07 57 13)		
07 57 13 00-0002		Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		
07 57 13 00-0003		Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)		
		Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	433.62	66.72
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	518.87	71.49

07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 57 13 00-0006	SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	604.14		76.26
07 57 13 00-0007	SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	697.81		81.02
07 57 13 00-0008	SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	791.46		85.79
07 57 13 00-0009	SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	868.33		90.55
07 57 13 00-0010	SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	945.20		95.33
07 57 13 00-0011	SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	1,030.45		100.08
07 57 13 00-0012	SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	1,115.72		104.85
07 57 13 00-0013	SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	1,200.98		109.63
07 57 13 00-0014	SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	1,286.24		114.38
07 57 13 00-0015 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)				
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.				
07 57 13 00-0016	SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	446.69		66.72
07 57 13 00-0017	SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	531.95		71.49
07 57 13 00-0018	SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	617.21		76.26
07 57 13 00-0019	SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	702.47		81.02
07 57 13 00-0020	SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	787.73		85.79
07 57 13 00-0021	SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	873.00		90.55
07 57 13 00-0022	SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	958.27		95.33
07 57 13 00-0023	SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	1,043.52		100.08
07 57 13 00-0024	SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	1,128.79		104.85
07 57 13 00-0025	SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	1,214.06		109.63
07 57 13 00-0026	SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	1,299.31		114.38
07 57 13 00-0027 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)				
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.				
07 57 13 00-0028	SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	478.44		66.72
07 57 13 00-0029	SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	560.89		71.49
07 57 13 00-0030	SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	643.35		76.26
07 57 13 00-0031	SQ 2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	728.62		81.02
07 57 13 00-0032	SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	813.88		85.79
07 57 13 00-0033	SQ 3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	934.06		90.55
07 57 13 00-0034	SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,054.26		95.33
07 57 13 00-0035	SQ 4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,146.61		100.08
07 57 13 00-0036	SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,238.97		104.85
07 57 13 00-0037	SQ 5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,331.33		109.63
07 57 13 00-0038	SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	1,423.69		114.38
07 57 13 00-0039 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating (07 57 13 00-0001)				
07 57 13 00-0040 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating (07 57 13 00-0039)				
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.				
07 57 13 00-0041	SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	487.78		66.72
07 57 13 00-0042	SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	580.13		71.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0043	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	672.49	76.26
07 57 13 00-0044	SQ		2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	764.85	81.02
07 57 13 00-0045	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	857.20	85.79
07 57 13 00-0046	SQ		3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	949.56	90.55
07 57 13 00-0047	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,041.93	95.33
07 57 13 00-0048	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,134.29	100.08
07 57 13 00-0049	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,226.65	104.85
07 57 13 00-0050	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,319.01	109.63
07 57 13 00-0051	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,411.36	114.38
07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating (07 57 13 00-0039)					
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.					
07 57 13 00-0053	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	506.26	66.72
07 57 13 00-0054	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	598.61	71.49
07 57 13 00-0055	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	690.98	76.26
07 57 13 00-0056	SQ		2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	783.34	81.02
07 57 13 00-0057	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	875.69	85.79
07 57 13 00-0058	SQ		3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	968.05	90.55
07 57 13 00-0059	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,060.42	95.33
07 57 13 00-0060	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,152.77	100.08
07 57 13 00-0061	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,245.14	104.85
07 57 13 00-0062	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,337.50	109.63
07 57 13 00-0063	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,429.85	114.38
07 57 13 00-0064 Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating (07 57 13 00-0039)					
Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.					
07 57 13 00-0065	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	520.64	66.72
07 57 13 00-0066	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	612.99	71.49
07 57 13 00-0067	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	705.36	76.26
07 57 13 00-0068	SQ		2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	797.72	81.02
07 57 13 00-0069	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	890.07	85.79
07 57 13 00-0070	SQ		3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	982.43	90.55
07 57 13 00-0071	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,074.80	95.33
07 57 13 00-0072	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,167.15	100.08
07 57 13 00-0073	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,259.52	104.85
07 57 13 00-0074	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,351.88	109.63
07 57 13 00-0075	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,444.23	114.38

07 58 Roll Roofing (07 50)

07 58 00 00-0001			Prepared Roll Roofing (07 58)		
Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.					
07 58 00 00-0002	SQ		Granule Surfaced, 90 Lb., Asphalt Saturated Organic Felt Roll Roofing	273.19	42.70

07 59 Membrane Roofing Termination Bar (07 50)

07 59 00 00-0001			Membrane Roofing Termination Bar (07 59)		
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07 Thermal And Moisture Protection**07 50 Membrane Roofing****07 59 Membrane Roofing Termination Bar**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 59 00 00-0002	LF	Membrane Roofing Termination Bar.....	5.78	1.93
Note: Includes fasteners and caulking.				

07 60 Flashing and Sheet Metal ⁽⁰⁷⁾**07 61 Sheet Metal Roofing** ^(07 60)**07 61 13 Standing Seam Sheet Metal Roofing** ^(07 61)**07 61 13 00-0001 Standing Seam Concealed Fastener Roofing** ^(07 61 13)**07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing** ^(07 61 13 00-0001)

07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing.....	37.72	3.73
		For Steep Roof, Over 6 To 12, Add	2.23	
		For 140 MPH Wind Load, Add	1.35	
		For Panels <16" Wide, Add	3.26	
		For Up To 1,500, Add	9.43	
		For >1,500 To 5,000, Add	5.66	
		For >5,000 To 10,000, Add	0.94	
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing.....	41.29	4.04
		For Steep Roof, Over 6 To 12, Add	2.42	
		For 140 MPH Wind Load, Add	1.47	
		For Panels <16" Wide, Add	3.56	
		For Up To 1,500, Add	10.32	
		For >1,500 To 5,000, Add	6.19	
		For >5,000 To 10,000, Add	1.03	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	48.68	4.41
		For Steep Roof, Over 6 To 12, Add	2.64	
		For 140 MPH Wind Load, Add	1.68	
		For Panels <16" Wide, Add	4.06	
		For Up To 1,500, Add	12.17	
		For >1,500 To 5,000, Add	7.30	
		For >5,000 To 10,000, Add	1.22	

07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing ^(07 61 13 00-0001)

07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	44.10	4.04
		For Steep Roof, Over 6 To 12, Add	2.42	
		For 140 MPH Wind Load, Add	1.53	
		For Panels <16" Wide, Add	3.70	
		For Up To 1,500, Add	11.03	
		For >1,500 To 5,000, Add	6.62	
		For >5,000 To 10,000, Add	1.10	
		For Tin/Copper, Deduct	-0.72	
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	53.46	4.21
		For Steep Roof, Over 6 To 12, Add	2.52	
		For 140 MPH Wind Load, Add	1.74	
		For Panels <16" Wide, Add	4.23	
		For Up To 1,500, Add	13.37	
		For >1,500 To 5,000, Add	8.02	
		For >5,000 To 10,000, Add	1.34	
		For Tin/Copper, Deduct	-0.90	
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	60.79	4.41
		For Steep Roof, Over 6 To 12, Add	2.64	
		For 140 MPH Wind Load, Add	1.92	
		For Panels <16" Wide, Add	4.67	
		For Up To 1,500, Add	15.20	
		For >1,500 To 5,000, Add	9.12	
		For >5,000 To 10,000, Add	1.52	
		For Tin/Copper, Deduct	-1.04	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	76.26	4.61
		For Steep Roof, Over 6 To 12, Add	2.76	
		For 140 MPH Wind Load, Add	2.26	
		For Panels <16" Wide, Add	5.52	
		For Up To 1,500, Add	19.07	
		For >1,500 To 5,000, Add	11.44	
		For >5,000 To 10,000, Add	1.91	
		For Tin/Copper, Deduct	-1.34	

07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing ^(07 61 13 00-0001)

07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	158.68	7.69
		For Steep Roof, Over 6 To 12, Add	5.77	
		For 140 MPH Wind Load, Add	4.71	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	91.15	7.69
		For Steep Roof, Over 6 To 12, Add	5.77	
		For 140 MPH Wind Load, Add	3.36	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	222.53	7.69
		For Steep Roof, Over 6 To 12, Add	5.77	
		For 140 MPH Wind Load, Add	5.99	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	163.72	7.69
		For Steep Roof, Over 6 To 12, Add	5.77	
		For 140 MPH Wind Load, Add	4.81	

07 61 16 Batten Seam Sheet Metal Roofing ^(07 61)**07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing** ^(07 61 16)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0002			Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0003	SF		16 Ounce Copper Batten Seam Concealed Fastener Roofing	46.45	4.41
			For Steep Roof, Over 6 To 12, Add	2.64	
			For 140 MPH Wind Load, Add	1.63	
			For Panels <16" Wide, Add	3.95	
			For Up To 1,500, Add	11.61	
			For >1,500 To 5,000, Add	6.97	
			For >5,000 To 10,000, Add	1.16	
07 61 16 00-0004	SF		18 Ounce Copper Batten Seam Concealed Fastener Roofing	51.33	4.62
			For Steep Roof, Over 6 To 12, Add	2.77	
			For 140 MPH Wind Load, Add	1.77	
			For Panels <16" Wide, Add	4.28	
			For Up To 1,500, Add	12.83	
			For >1,500 To 5,000, Add	7.70	
			For >5,000 To 10,000, Add	1.28	
07 61 16 00-0005	SF		20 Ounce Copper Batten Seam Concealed Fastener Roofing	59.90	4.84
			For Steep Roof, Over 6 To 12, Add	2.90	
			For 140 MPH Wind Load, Add	1.97	
			For Panels <16" Wide, Add	4.79	
			For Up To 1,500, Add	14.98	
			For >1,500 To 5,000, Add	8.99	
			For >5,000 To 10,000, Add	1.50	
07 61 16 00-0006			Zinc/Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)		
07 61 16 00-0007	SF		0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	47.20	4.04
			For Steep Roof, Over 6 To 12, Add	2.42	
			For 140 MPH Wind Load, Add	1.59	
			For Panels <16" Wide, Add	3.85	
			For Up To 1,500, Add	11.80	
			For >1,500 To 5,000, Add	7.08	
			For >5,000 To 10,000, Add	1.18	
			For Tin/Copper, Deduct	-0.78	
07 61 16 00-0008	SF		0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	57.90	4.21
			For Steep Roof, Over 6 To 12, Add	2.53	
			For 140 MPH Wind Load, Add	1.83	
			For Panels <16" Wide, Add	4.45	
			For Up To 1,500, Add	14.48	
			For >1,500 To 5,000, Add	8.69	
			For >5,000 To 10,000, Add	1.45	
			For Tin/Copper, Deduct	-0.99	
07 61 16 00-0009	SF		0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	64.92	4.41
			For Steep Roof, Over 6 To 12, Add	2.64	
			For 140 MPH Wind Load, Add	2.00	
			For Panels <16" Wide, Add	4.87	
			For Up To 1,500, Add	16.23	
			For >1,500 To 5,000, Add	9.74	
			For >5,000 To 10,000, Add	1.62	
			For Tin/Copper, Deduct	-1.12	
07 61 16 00-0010	SF		0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	81.58	4.61
			For Steep Roof, Over 6 To 12, Add	2.76	
			For 140 MPH Wind Load, Add	2.37	
			For Panels <16" Wide, Add	5.78	
			For Up To 1,500, Add	20.40	
			For >1,500 To 5,000, Add	12.24	
			For >5,000 To 10,000, Add	2.04	
			For Tin/Copper, Deduct	-1.45	
07 61 19			Flat Seam Sheet Metal Roofing (07 61)		
07 61 19 00-0001			Copper Flat Seam Concealed Fastener Roofing (07 61 19)		
07 61 19 00-0002			Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0003	SF		16 Ounce Copper Flat Seam Concealed Fastener Roofing.....	35.83	4.04
			For Steep Roof, Over 6 To 12, Add	2.42	
			For 140 MPH Wind Load, Add	1.36	
			For Panels <16" Wide, Add	3.28	
			For Up To 1,500, Add	8.96	
			For >1,500 To 5,000, Add	5.37	
			For >5,000 To 10,000, Add	0.90	
07 61 19 00-0004	SF		18 Ounce Copper Flat Seam Concealed Fastener Roofing.....	39.44	4.21
			For Steep Roof, Over 6 To 12, Add	2.53	
			For 140 MPH Wind Load, Add	1.46	
			For Panels <16" Wide, Add	3.53	
			For Up To 1,500, Add	9.86	
			For >1,500 To 5,000, Add	5.92	
			For >5,000 To 10,000, Add	0.99	
07 61 19 00-0005	SF		20 Ounce Copper Flat Seam Concealed Fastener Roofing.....	45.72	4.41
			For Steep Roof, Over 6 To 12, Add	2.64	
			For 140 MPH Wind Load, Add	1.62	
			For Panels <16" Wide, Add	3.91	
			For Up To 1,500, Add	11.43	
			For >1,500 To 5,000, Add	6.86	
			For >5,000 To 10,000, Add	1.14	
07 61 19 00-0006			Zinc/Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	41.29	4.04
		For Steep Roof, Over 6 To 12, Add	2.42	
		For 140 MPH Wind Load, Add	1.47	
		For Panels <16" Wide, Add	3.56	
		For Up To 1,500, Add	10.32	
		For >1,500 To 5,000, Add	6.19	
		For >5,000 To 10,000, Add	1.03	
		For Tin/Copper, Deduct	-0.66	
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	50.51	4.21
		For Steep Roof, Over 6 To 12, Add	2.53	
		For 140 MPH Wind Load, Add	1.68	
		For Panels <16" Wide, Add	4.08	
		For Up To 1,500, Add	12.63	
		For >1,500 To 5,000, Add	7.58	
		For >5,000 To 10,000, Add	1.26	
		For Tin/Copper, Deduct	-0.84	
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	56.80	4.41
		For Steep Roof, Over 6 To 12, Add	2.64	
		For 140 MPH Wind Load, Add	1.84	
		For Panels <16" Wide, Add	4.47	
		For Up To 1,500, Add	14.20	
		For >1,500 To 5,000, Add	8.52	
		For >5,000 To 10,000, Add	1.42	
		For Tin/Copper, Deduct	-0.96	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	71.24	4.61
		For Steep Roof, Over 6 To 12, Add	2.76	
		For 140 MPH Wind Load, Add	2.16	
		For Panels <16" Wide, Add	5.27	
		For Up To 1,500, Add	17.81	
		For >1,500 To 5,000, Add	10.69	
		For >5,000 To 10,000, Add	1.78	
		For Tin/Copper, Deduct	-1.24	

07 62 Sheet Metal Flashing and Trim (07 60)**07 62 13 Fabricated Copings** (07 62)**07 62 13 00-0001 Lead Flashing And Trim** (07 62 13)

07 62 13 00-0002	SF	2.5 Lb./SF, Sheet Lead Flashing	25.05	6.26
		For Up To 100, Add	6.26	
07 62 13 00-0003	SF	4 Lb./SF, Sheet Lead Flashing	32.58	6.26
		For Up To 100, Add	8.15	

07 62 13 00-0004 Copper Flashing And Trim (07 62 13)**07 62 13 00-0005 Copper Flashing And Trim** (07 62 13 00-0004)

07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	29.82	6.11
		For Up To 100, Add	7.46	
		For >500 To 2,000, Deduct	-4.12	
		For >2,000, Deduct	-5.00	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.42	
		For Wrap Around Window Panning, Add	12.09	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	30.81	6.26
		For Up To 100, Add	7.70	
		For >500 To 2,000, Deduct	-4.26	
		For >2,000, Deduct	-5.17	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.53	
		For Wrap Around Window Panning, Add	12.63	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	35.05	6.67
		For Up To 100, Add	8.76	
		For >500 To 2,000, Deduct	-4.82	
		For >2,000, Deduct	-5.91	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.65	
		For Wrap Around Window Panning, Add	13.24	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	42.98	6.95
		For Up To 100, Add	10.75	
		For >500 To 2,000, Deduct	-5.87	
		For >2,000, Deduct	-7.32	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.78	
		For Wrap Around Window Panning, Add	13.90	

07 62 13 00-0010 Stainless Steel Flashing And Trim (07 62 13)**07 62 13 00-0011 Stainless Steel Flashing And Trim** (07 62 13 00-0010)

07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	11.75	3.34
		For Up To 100, Add	2.94	
		For Wrap Around Window Panning, Add	8.58	
		For Mechanically Keyed Flashing, Add	1.27	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim.....	12.68	3.75
		For Up To 100, Add	3.17	
		For Wrap Around Window Panning, Add	8.72	
		For Mechanically Keyed Flashing, Add	1.58	
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim.....	13.61	4.17
		For Up To 100, Add	3.40	
		For Wrap Around Window Panning, Add	8.86	
		For Mechanically Keyed Flashing, Add	1.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0015	SF		26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim.....	15.08	4.59
			For Up To 100, Add	3.77	
			For Wrap Around Window Panning, Add	9.14	
			For Mechanically Keyed Flashing, Add	2.38	
07 62 13 00-0016	SF		24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	17.57	4.87
			For Up To 100, Add	4.39	
			For Wrap Around Window Panning, Add	9.66	
			For Mechanically Keyed Flashing, Add	3.16	
07 62 13 00-0017	SF		22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim.....	19.15	5.11
			For Up To 100, Add	4.79	
			For Wrap Around Window Panning, Add	10.22	
			For Mechanically Keyed Flashing, Add	3.57	
07 62 13 00-0018	SF		20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim.....	20.49	5.42
			For Up To 100, Add	5.12	
			For Wrap Around Window Panning, Add	10.81	
			For Mechanically Keyed Flashing, Add	3.87	
07 62 13 00-0019 Aluminum Flashing And Trim (07 62 13)					
07 62 13 00-0020 Aluminum Flashing And Trim (07 62 13 00-0019)					
07 62 13 00-0021	SF		0.013" Thick, Mill Finish, Aluminum Flashing And Trim.....	13.88	4.30
			For Up To 100, Add	3.47	
			For Baked Aluminum Colors, Add	0.43	
			For Wrap Around Window Panning, Add	9.58	
07 62 13 00-0022	SF		0.016" Thick, Mill Finish, Aluminum Flashing And Trim.....	14.81	4.30
			For Up To 100, Add	3.70	
			For Baked Aluminum Colors, Add	0.52	
			For Wrap Around Window Panning, Add	9.58	
07 62 13 00-0023	SF		0.019" Thick, Mill Finish, Aluminum Flashing And Trim.....	15.56	4.30
			For Up To 100, Add	3.89	
			For Baked Aluminum Colors, Add	0.60	
			For Wrap Around Window Panning, Add	9.58	
07 62 13 00-0024	SF		0.024" Thick, Mill Finish, Aluminum Flashing And Trim.....	16.63	4.30
			For Up To 100, Add	4.16	
			For Baked Aluminum Colors, Add	0.71	
			For Wrap Around Window Panning, Add	9.58	
07 62 13 00-0025	SF		0.032" Thick, Mill Finish, Aluminum Flashing And Trim.....	18.13	4.30
			For Up To 100, Add	4.53	
			For Baked Aluminum Colors, Add	0.86	
			For Wrap Around Window Panning, Add	9.58	
07 62 13 00-0026	SF		0.040" Thick, Mill Finish, Aluminum Flashing And Trim.....	19.05	4.30
			For Up To 100, Add	4.76	
			For Baked Aluminum Colors, Add	0.95	
			For Wrap Around Window Panning, Add	9.58	
07 62 13 00-0027	SF		0.050" Thick, Mill Finish, Aluminum Flashing And Trim.....	19.80	4.30
			For Up To 100, Add	4.95	
			For Baked Aluminum Colors, Add	1.02	
			For Wrap Around Window Panning, Add	9.58	
07 62 13 00-0028 Steel Flashing And Trim (07 62 13)					
07 62 13 00-0029 Galvanized Steel Flashing And Trim (07 62 13 00-0028)					
07 62 13 00-0030	SF		28 Gauge, 0.019" Thick, Galvanized Steel Flashing.....	13.55	4.17
			For Up To 100, Add	3.39	
			For Wrap Around Window Panning, Add	8.86	
07 62 13 00-0031	SF		26 Gauge, 0.022" Thick, Galvanized Steel Flashing.....	14.08	4.59
			For Up To 100, Add	3.52	
			For Wrap Around Window Panning, Add	9.14	
07 62 13 00-0032	SF		24 Gauge, 0.028" Thick, Galvanized Steel Flashing.....	15.00	4.87
			For Up To 100, Add	3.75	
			For Wrap Around Window Panning, Add	9.66	
07 62 13 00-0033	SF		22 Gauge, 0.034" Thick, Galvanized Steel Flashing.....	15.94	5.11
			For Up To 100, Add	3.99	
			For Wrap Around Window Panning, Add	10.22	
07 62 13 00-0034	SF		20 Gauge, 0.04" Thick, Galvanized Steel Flashing.....	17.21	5.42
			For Up To 100, Add	4.30	
			For Wrap Around Window Panning, Add	10.81	
07 62 19 Fabricated Gravel Stops and Fasciae (07 62)					
07 62 19 00-0001			Drip Edge (07 62 19)		
07 62 19 00-0002			Aluminum Drip Edge (07 62 19 00-0001)		
			Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003			KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0004			0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0005	LF		Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	14.33	2.15
07 62 19 00-0006	LF		>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	17.74	2.29
07 62 19 00-0007	LF		>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	20.01	2.57
07 62 19 00-0008	LF		>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	23.95	2.72
07 62 19 00-0009	LF		>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	30.38	2.86
07 62 19 00-0010 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)					
07 62 19 00-0011	LF		Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge.....	15.28	2.15

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.80	2.29
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.59	2.57
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.84	2.72
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.17	2.86

07 62 19 00-0016 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)

07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.22	2.15
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.06	2.29
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.11	2.57
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.74	2.72
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	34.70	2.86

07 62 19 00-0022 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)

07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.12	2.15
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.59	2.29
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.12	2.57
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.53	2.72
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	39.76	2.86

07 62 19 00-0028 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)

07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.75	2.15
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.54	2.29
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.12	2.57
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.80	2.72
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	41.44	2.86

07 62 19 00-0034 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)

07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.96	2.15
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.38	2.29
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.59	2.57
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	37.22	2.72
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	47.34	2.86

07 62 19 00-0040 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)

07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.12	2.15
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.59	2.29
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.60	2.57
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	43.54	2.72
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	55.76	2.86

07 62 19 00-0046 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)

07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.92	2.15
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.65	2.29
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	41.60	2.57
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	51.12	2.72
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	65.87	2.86

07 62 19 00-0052 Mill Finish, Aluminum Drip Edge (07 62 19 00-0002)**07 62 19 00-0053 0.016" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)**

07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	11.88	2.15
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	14.41	2.29
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	16.15	2.57
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	19.05	2.72
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	23.62	2.86

07 62 19 00-0059 0.019" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)

07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	12.53	2.15
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	15.14	2.29
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	17.24	2.57
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	20.35	2.72
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	24.85	2.86

07 62 19 00-0065 0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)

07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	13.19	2.15
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	16.01	2.29
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	18.29	2.57
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	21.66	2.72
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	26.59	2.86

07 62 19 00-0071 0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)

07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	14.49	2.15
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	17.75	2.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0074	LF		>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	20.36	2.57
07 62 19 00-0075	LF		>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	24.27	2.72
07 62 19 00-0076	LF		>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	30.08	2.86
07 62 19 00-0077			0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0078	LF		Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	14.93	2.15
07 62 19 00-0079	LF		>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	18.40	2.29
07 62 19 00-0080	LF		>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	21.05	2.57
07 62 19 00-0081	LF		>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	25.15	2.72
07 62 19 00-0082	LF		>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	31.24	2.86
07 62 19 00-0083			0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0084	LF		Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	16.45	2.15
07 62 19 00-0085	LF		>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	20.36	2.29
07 62 19 00-0086	LF		>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	23.45	2.57
07 62 19 00-0087	LF		>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	28.20	2.72
07 62 19 00-0088	LF		>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	35.31	2.86
07 62 19 00-0089			0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0090	LF		Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	18.63	2.15
07 62 19 00-0091	LF		>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	23.27	2.29
07 62 19 00-0092	LF		>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	26.90	2.57
07 62 19 00-0093	LF		>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	32.56	2.72
07 62 19 00-0094	LF		>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	41.12	2.86
07 62 19 00-0095			0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0052)		
07 62 19 00-0096	LF		Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	21.25	2.15
07 62 19 00-0097	LF		>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	26.76	2.29
07 62 19 00-0098	LF		>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	31.04	2.57
07 62 19 00-0099	LF		>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	37.79	2.72
07 62 19 00-0100	LF		>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	48.09	2.86
07 62 19 00-0101			Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0102			0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0103	LF		Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.80	2.15
07 62 19 00-0104	LF		>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.39	2.29
07 62 19 00-0105	LF		>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	20.75	2.57
07 62 19 00-0106	LF		>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.90	2.72
07 62 19 00-0107	LF		>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	31.69	2.86
07 62 19 00-0108			0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0109	LF		Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	15.81	2.15
07 62 19 00-0110	LF		>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	19.50	2.29
07 62 19 00-0111	LF		>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	22.43	2.57
07 62 19 00-0112	LF		>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	26.91	2.72
07 62 19 00-0113	LF		>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	33.59	2.86
07 62 19 00-0114			0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0115	LF		Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	16.81	2.15
07 62 19 00-0116	LF		>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	20.84	2.29
07 62 19 00-0117	LF		>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.05	2.57
07 62 19 00-0118	LF		>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	28.91	2.72
07 62 19 00-0119	LF		>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	36.27	2.86
07 62 19 00-0120			0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0121	LF		Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.82	2.15
07 62 19 00-0122	LF		>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	23.52	2.29
07 62 19 00-0123	LF		>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	27.23	2.57
07 62 19 00-0124	LF		>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	32.93	2.72
07 62 19 00-0125	LF		>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	41.63	2.86
07 62 19 00-0126			0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0127	LF		Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	19.49	2.15
07 62 19 00-0128	LF		>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.53	2.29
07 62 19 00-0129	LF		>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	28.29	2.57
07 62 19 00-0130	LF		>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	34.27	2.72
07 62 19 00-0131	LF		>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	43.41	2.86
07 62 19 00-0132			0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0133	LF		Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.84	2.15
07 62 19 00-0134	LF		>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	27.54	2.29
07 62 19 00-0135	LF		>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	31.97	2.57

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**
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07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	38.96	2.72
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	49.66	2.86
07 62 19 00-0138		0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	25.19	2.15
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	32.01	2.29
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	37.28	2.57
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	45.66	2.72
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	58.59	2.86
07 62 19 00-0144		0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	29.20	2.15
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	37.37	2.29
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	43.64	2.57
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	53.70	2.72
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	69.31	2.86
07 62 19 00-0150		Galvanized Steel Drip Edge (07 62 19 00-0001)		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151		Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0152		26 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)		
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	13.69	2.15
07 62 19 00-0154	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	16.75	2.29
07 62 19 00-0155	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	19.10	2.57
07 62 19 00-0156	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	22.68	2.72
07 62 19 00-0157	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	27.95	2.86
07 62 19 00-0158		24 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)		
07 62 19 00-0159	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	14.79	2.15
07 62 19 00-0160	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	18.21	2.29
07 62 19 00-0161	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	20.82	2.57
07 62 19 00-0162	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	24.87	2.72
07 62 19 00-0163	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	30.84	2.86
07 62 19 00-0164		KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0165		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)		
07 62 19 00-0166	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	16.96	2.15
07 62 19 00-0167	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	21.13	2.29
07 62 19 00-0168	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	24.28	2.57
07 62 19 00-0169	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	29.21	2.72
07 62 19 00-0170	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	36.67	2.86
07 62 19 00-0171		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)		
07 62 19 00-0172	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	18.54	2.15
07 62 19 00-0173	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	23.25	2.29
07 62 19 00-0174	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	26.78	2.57
07 62 19 00-0175	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	32.37	2.72
07 62 19 00-0176	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	40.88	2.86
07 62 19 00-0177		Stainless Steel Drip Edge (07 62 19 00-0001)		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		26 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	22.99	2.15
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	29.09	2.29
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	33.81	2.57
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	41.28	2.72
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	52.75	2.86
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	28.21	2.15
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	36.04	2.29
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	42.09	2.57
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	51.71	2.72
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	66.66	2.86
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge (07 62 19 00-0177)		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	34.35	2.15
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	44.22	2.29
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	51.80	2.57
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	63.98	2.72
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	83.02	2.86

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07 63 Sheet Metal Roofing Specialties (07 60)

07 63 00 00-0001	Pitch Pockets (07 63) Note: Cut into deck, filled with non-shrink grout, includes blocking.		
07 63 00 00-0002	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0003	EA 4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	99.45 40.59 20.31	
07 63 00 00-0004	EA 6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	119.71 91.38 45.82	
07 63 00 00-0005	EA 8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	145.61 162.37 81.00	
07 63 00 00-0006	EA 8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	159.88 202.96 101.81	
07 63 00 00-0007	EA 8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	173.32 243.55 121.79	
07 63 00 00-0008	SF 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	203.48 365.33 181.54	
07 63 00 00-0009	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0010	EA 4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	103.44 40.59 20.31	
07 63 00 00-0011	EA 6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	124.17 91.38 45.82	
07 63 00 00-0012	EA 8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	151.32 162.37 81.00	
07 63 00 00-0013	EA 8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	168.75 202.96 101.81	
07 63 00 00-0014	EA 8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	182.02 243.55 121.79	
07 63 00 00-0015	SF 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	212.86 365.33 181.54	
07 63 00 00-0016	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)		
07 63 00 00-0017	EA 4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	109.84 40.59 20.31	
07 63 00 00-0018	EA 6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	130.78 91.38 45.82	
07 63 00 00-0019	EA 8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	152.23 162.37 81.00	
07 63 00 00-0020	EA 8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	165.54 202.96 101.81	
07 63 00 00-0021	EA 8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	177.80 243.55 121.79	
07 63 00 00-0022	SF 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	205.61 365.33 181.54	
07 63 00 00-0023	Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00 00-0001) Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0024	EA Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	93.11 40.59 20.31	
07 63 00 00-0025	EA Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	105.54 91.38 45.82	
07 63 00 00-0026	EA Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	121.92 162.37 81.00	
07 63 00 00-0027	EA Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	132.48 202.96 101.81	
07 63 00 00-0028	EA Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout..... For Pourable Sealer Filled, Add For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	143.04 243.55 121.79	

07 Thermal And Moisture Protection**07 60 Flashing and Sheet Metal****07 63 Sheet Metal Roofing Specialties**
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07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	169.00	
		<i>For Pourable Sealer Filled, Add</i>	365.33	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	181.54	

07 63 00 00-0030 Lead Pipe Flashing For Roofs (07 63)

Note: Includes 6" skirt base.

07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3/4" Pipe	103.06	34.12
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 1" Pipe	103.06	34.12
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 2" Pipe	122.57	34.12
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3" Pipe	133.72	34.12
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe	139.30	34.12
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 4" Pipe	142.09	34.12
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 6" Pipe	169.96	34.12
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 8" Pipe	182.51	34.12

07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing (07 63)

07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	88.73	22.05
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	90.00	22.05
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	94.57	22.05
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	98.51	22.05

07 65 Flexible Flashing (07 60)**07 65 16 Modified Bituminous Sheet Flashing (07 65)****07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems (07 65 16)**

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing	15.39	2.70
		Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 30 mil second coat.		

07 65 19 Plastic Sheet Flashing (07 65)**07 65 19 00-0001 Plastic Flashing And Trim (07 65 19)****07 65 19 00-0002 Neoprene Flashing (07 65 19 00-0001)****07 65 19 00-0003 60 Mil Neoprene Flashing (07 65 19 00-0002)**

07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	11.53	3.84
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	14.98	4.12
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	18.86	4.55
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	22.98	5.13

07 65 33 Flexible Roof Boot (07 65)**07 65 33 00-0001 Neoprene Roof Boot (07 65 33)**

07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot	49.82	11.81
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot	58.04	13.23
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot	64.05	14.24

07 70 Roof and Wall Specialties and Accessories (07)**07 71 Roof Specialties (07 70)****07 71 13 Manufactured Copings (07 71)****07 71 13 00-0001 Galvanized Steel Copings (07 71 13)****07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats (07 71 13 00-0001)**

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	36.23	3.08
		<i>For Up To 25 LF, Add</i>	5.68	
		<i>For >25 To 100 LF, Add</i>	2.84	
		<i>For >1,000 LF, Deduct</i>	-0.52	
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	38.24	3.35
		<i>For Up To 25 LF, Add</i>	6.05	
		<i>For >25 To 100 LF, Add</i>	3.03	
		<i>For >1,000 LF, Deduct</i>	-0.56	
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	43.52	3.52
		<i>For Up To 25 LF, Add</i>	6.70	
		<i>For >25 To 100 LF, Add</i>	3.35	
		<i>For >1,000 LF, Deduct</i>	-0.59	
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	50.47	3.86
		<i>For Up To 25 LF, Add</i>	7.62	
		<i>For >25 To 100 LF, Add</i>	3.81	
		<i>For >1,000 LF, Deduct</i>	-0.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0007	LF		>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	60.78	4.03
			For Up To 25 LF, Add	8.77	
			For >25 To 100 LF, Add	4.38	
			For >1,000 LF, Deduct	-0.67	
07 71 13 00-0008			Aluminum Copings (07 71 13)		
07 71 13 00-0009			Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0008)		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0010			0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)		
07 71 13 00-0011	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	28.98	3.08
			For Up To 25 LF, Add	4.96	
			For >25 To 100 LF, Add	2.48	
			For >1,000 LF, Deduct	-0.52	
07 71 13 00-0012	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.94	3.35
			For Up To 25 LF, Add	5.32	
			For >25 To 100 LF, Add	2.66	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0013	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	35.95	3.52
			For Up To 25 LF, Add	5.94	
			For >25 To 100 LF, Add	2.97	
			For >1,000 LF, Deduct	-0.59	
07 71 13 00-0014	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	42.79	3.86
			For Up To 25 LF, Add	6.85	
			For >25 To 100 LF, Add	3.43	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0015	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	52.92	4.03
			For Up To 25 LF, Add	7.98	
			For >25 To 100 LF, Add	3.99	
			For >1,000 LF, Deduct	-0.67	
07 71 13 00-0016			0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)		
07 71 13 00-0017	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.36	3.08
			For Up To 25 LF, Add	5.20	
			For >25 To 100 LF, Add	2.60	
			For >1,000 LF, Deduct	-0.52	
07 71 13 00-0018	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.48	3.35
			For Up To 25 LF, Add	5.58	
			For >25 To 100 LF, Add	2.79	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0019	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	38.96	3.52
			For Up To 25 LF, Add	6.24	
			For >25 To 100 LF, Add	3.12	
			For >1,000 LF, Deduct	-0.59	
07 71 13 00-0020	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	46.43	3.86
			For Up To 25 LF, Add	7.22	
			For >25 To 100 LF, Add	3.61	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0021	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	57.53	4.03
			For Up To 25 LF, Add	8.44	
			For >25 To 100 LF, Add	4.22	
			For >1,000 LF, Deduct	-0.67	
07 71 13 00-0022			0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0009)		
07 71 13 00-0023	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.32	3.08
			For Up To 25 LF, Add	5.39	
			For >25 To 100 LF, Add	2.70	
			For >1,000 LF, Deduct	-0.52	
07 71 13 00-0024	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	35.74	3.35
			For Up To 25 LF, Add	5.80	
			For >25 To 100 LF, Add	2.90	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0025	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	42.70	3.52
			For Up To 25 LF, Add	6.62	
			For >25 To 100 LF, Add	3.31	
			For >1,000 LF, Deduct	-0.59	
07 71 13 00-0026	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	53.13	3.86
			For Up To 25 LF, Add	7.89	
			For >25 To 100 LF, Add	3.94	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0027	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	68.38	4.03
			For Up To 25 LF, Add	9.53	
			For >25 To 100 LF, Add	4.76	
			For >1,000 LF, Deduct	-0.67	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 13 00-0028	KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0028)				
	Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.				
07 71 13 00-0029	0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0028)				
07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	39.70	3.08	
		For Up To 25 LF, Add	6.03		
		For >25 To 100 LF, Add	3.02		
		For >1,000 LF, Deduct	-0.52		
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	42.36	3.35	
		For Up To 25 LF, Add	6.46		
		For >25 To 100 LF, Add	3.23		
		For >1,000 LF, Deduct	-0.56		
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	49.49	3.52	
		For Up To 25 LF, Add	7.30		
		For >25 To 100 LF, Add	3.65		
		For >1,000 LF, Deduct	-0.59		
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	59.16	3.86	
		For Up To 25 LF, Add	8.49		
		For >25 To 100 LF, Add	4.24		
		For >1,000 LF, Deduct	-0.64		
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	73.70	4.03	
		For Up To 25 LF, Add	10.06		
		For >25 To 100 LF, Add	5.03		
		For >1,000 LF, Deduct	-0.67		
07 71 13 00-0035	0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0028)				
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.15	3.08	
		For Up To 25 LF, Add	6.38		
		For >25 To 100 LF, Add	3.19		
		For >1,000 LF, Deduct	-0.52		
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	46.04	3.35	
		For Up To 25 LF, Add	6.83		
		For >25 To 100 LF, Add	3.42		
		For >1,000 LF, Deduct	-0.56		
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	53.85	3.52	
		For Up To 25 LF, Add	7.73		
		For >25 To 100 LF, Add	3.87		
		For >1,000 LF, Deduct	-0.59		
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	64.43	3.86	
		For Up To 25 LF, Add	9.02		
		For >25 To 100 LF, Add	4.51		
		For >1,000 LF, Deduct	-0.64		
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	80.40	4.03	
		For Up To 25 LF, Add	10.73		
		For >25 To 100 LF, Add	5.36		
		For >1,000 LF, Deduct	-0.67		
07 71 13 00-0041	0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0028)				
07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	45.99	3.08	
		For Up To 25 LF, Add	6.66		
		For >25 To 100 LF, Add	3.33		
		For >1,000 LF, Deduct	-0.52		
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	49.32	3.35	
		For Up To 25 LF, Add	7.16		
		For >25 To 100 LF, Add	3.58		
		For >1,000 LF, Deduct	-0.56		
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	59.27	3.52	
		For Up To 25 LF, Add	8.28		
		For >25 To 100 LF, Add	4.14		
		For >1,000 LF, Deduct	-0.59		
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	74.15	3.86	
		For Up To 25 LF, Add	9.99		
		For >25 To 100 LF, Add	4.99		
		For >1,000 LF, Deduct	-0.64		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0046	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	96.13	4.03
			For Up To 25 LF, Add	12.30	
			For >25 To 100 LF, Add	6.15	
			For >1,000 LF, Deduct	-0.67	
07 71 13 00-0047			Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0048)		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048			0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0049	LF		10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	41.77	3.08
			For Up To 25 LF, Add	6.24	
			For >25 To 100 LF, Add	3.12	
			For >1,000 LF, Deduct	-0.52	
07 71 13 00-0050	LF		>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	44.57	3.35
			For Up To 25 LF, Add	6.69	
			For >25 To 100 LF, Add	3.34	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0051	LF		>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	52.10	3.52
			For Up To 25 LF, Add	7.56	
			For >25 To 100 LF, Add	3.78	
			For >1,000 LF, Deduct	-0.59	
07 71 13 00-0052	LF		>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	62.32	3.86
			For Up To 25 LF, Add	8.80	
			For >25 To 100 LF, Add	4.40	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0053	LF		>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	77.72	4.03
			For Up To 25 LF, Add	10.46	
			For >25 To 100 LF, Add	5.23	
			For >1,000 LF, Deduct	-0.67	
07 71 13 00-0054			0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0055	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	45.43	3.08
			For Up To 25 LF, Add	6.60	
			For >25 To 100 LF, Add	3.30	
			For >1,000 LF, Deduct	-0.52	
07 71 13 00-0056	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	48.47	3.35
			For Up To 25 LF, Add	7.08	
			For >25 To 100 LF, Add	3.54	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0057	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	56.73	3.52
			For Up To 25 LF, Add	8.02	
			For >25 To 100 LF, Add	4.01	
			For >1,000 LF, Deduct	-0.59	
07 71 13 00-0058	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	67.91	3.86
			For Up To 25 LF, Add	9.36	
			For >25 To 100 LF, Add	4.68	
			For >1,000 LF, Deduct	-0.64	
07 71 13 00-0059	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	84.82	4.03
			For Up To 25 LF, Add	11.17	
			For >25 To 100 LF, Add	5.59	
			For >1,000 LF, Deduct	-0.67	
07 71 13 00-0060			0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats (07 71 13 00-0047)		
07 71 13 00-0061	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	48.44	3.08
			For Up To 25 LF, Add	6.90	
			For >25 To 100 LF, Add	3.45	
			For >1,000 LF, Deduct	-0.52	
07 71 13 00-0062	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	51.95	3.35
			For Up To 25 LF, Add	7.42	
			For >25 To 100 LF, Add	3.71	
			For >1,000 LF, Deduct	-0.56	
07 71 13 00-0063	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	62.47	3.52
			For Up To 25 LF, Add	8.60	
			For >25 To 100 LF, Add	4.30	
			For >1,000 LF, Deduct	-0.59	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	78.21	3.86
		For Up To 25 LF, Add	10.39	
		For >25 To 100 LF, Add	5.20	
		For >1,000 LF, Deduct	-0.64	
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	101.49	4.03
		For Up To 25 LF, Add	12.84	
		For >25 To 100 LF, Add	6.42	
		For >1,000 LF, Deduct	-0.67	

07 71 19 Manufactured Gravel Stops and Fasciae (07 71)

07 71 19 00-0001		Gravel Stop (07 71 19)		
07 71 19 00-0002		Aluminum Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0003		Aluminum Gravel Stop (07 71 19 00-0002)		
07 71 19 00-0004		KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0005		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	42.74	2.43
		For Up To 25 LF, Add	7.13	
		For >25 To 100 LF, Add	3.57	
		For >1,000 LF, Deduct	-0.72	
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	44.31	2.86
		For Up To 25 LF, Add	7.81	
		For >25 To 100 LF, Add	3.90	
		For >1,000 LF, Deduct	-0.84	
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	45.91	3.14
		For Up To 25 LF, Add	8.42	
		For >25 To 100 LF, Add	4.21	
		For >1,000 LF, Deduct	-0.96	
07 71 19 00-0009		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	45.36	2.43
		For Up To 25 LF, Add	7.40	
		For >25 To 100 LF, Add	3.70	
		For >1,000 LF, Deduct	-0.72	
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	47.05	2.86
		For Up To 25 LF, Add	8.08	
		For >25 To 100 LF, Add	4.04	
		For >1,000 LF, Deduct	-0.84	
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.79	3.14
		For Up To 25 LF, Add	8.71	
		For >25 To 100 LF, Add	4.35	
		For >1,000 LF, Deduct	-0.96	
07 71 19 00-0013		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.77	2.43
		For Up To 25 LF, Add	7.74	
		For >25 To 100 LF, Add	3.87	
		For >1,000 LF, Deduct	-0.72	
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	50.31	2.86
		For Up To 25 LF, Add	8.41	
		For >25 To 100 LF, Add	4.20	
		For >1,000 LF, Deduct	-0.84	
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	52.42	3.14
		For Up To 25 LF, Add	9.07	
		For >25 To 100 LF, Add	4.54	
		For >1,000 LF, Deduct	-0.96	
07 71 19 00-0017		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	51.09	2.43
		For Up To 25 LF, Add	7.97	
		For >25 To 100 LF, Add	3.98	
		For >1,000 LF, Deduct	-0.72	
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	52.72	2.86
		For Up To 25 LF, Add	8.65	
		For >25 To 100 LF, Add	4.32	
		For >1,000 LF, Deduct	-0.84	
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	54.97	3.14
		For Up To 25 LF, Add	9.33	
		For >25 To 100 LF, Add	4.66	
		For >1,000 LF, Deduct	-0.96	
07 71 19 00-0021		Mill Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0022		0.032" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	28.21	2.43
		For Up To 25 LF, Add	5.68	
		For >25 To 100 LF, Add	2.84	
		For >1,000 LF, Deduct	-0.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0024	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	30.52	2.86
			For Up To 25 LF, Add	6.43	
			For >25 To 100 LF, Add	3.21	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0025	LF		>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	32.81	3.14
			For Up To 25 LF, Add	7.11	
			For >25 To 100 LF, Add	3.55	
			For >1,000 LF, Deduct	-0.96	
07 71 19 00-0026			0.040" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0027	LF		4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	30.39	2.43
			For Up To 25 LF, Add	5.90	
			For >25 To 100 LF, Add	2.95	
			For >1,000 LF, Deduct	-0.72	
07 71 19 00-0028	LF		>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	32.41	2.86
			For Up To 25 LF, Add	6.62	
			For >25 To 100 LF, Add	3.31	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0029	LF		>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	34.27	3.14
			For Up To 25 LF, Add	7.26	
			For >25 To 100 LF, Add	3.63	
			For >1,000 LF, Deduct	-0.96	
07 71 19 00-0030			0.050" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0031	LF		4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	32.57	2.43
			For Up To 25 LF, Add	6.12	
			For >25 To 100 LF, Add	3.06	
			For >1,000 LF, Deduct	-0.72	
07 71 19 00-0032	LF		>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	34.59	2.86
			For Up To 25 LF, Add	6.84	
			For >25 To 100 LF, Add	3.42	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0033	LF		>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	36.63	3.14
			For Up To 25 LF, Add	7.49	
			For >25 To 100 LF, Add	3.75	
			For >1,000 LF, Deduct	-0.96	
07 71 19 00-0034			0.063" Thick, Mill Finish, Aluminum Gravel Stop (07 71 19 00-0021)		
07 71 19 00-0035	LF		4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	34.93	2.43
			For Up To 25 LF, Add	6.35	
			For >25 To 100 LF, Add	3.18	
			For >1,000 LF, Deduct	-0.72	
07 71 19 00-0036	LF		>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	36.77	2.86
			For Up To 25 LF, Add	7.05	
			For >25 To 100 LF, Add	3.53	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0037	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	38.38	3.14
			For Up To 25 LF, Add	7.67	
			For >25 To 100 LF, Add	3.83	
			For >1,000 LF, Deduct	-0.96	
07 71 19 00-0038			Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0039			0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0040	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	50.80	2.43
			For Up To 25 LF, Add	7.94	
			For >25 To 100 LF, Add	3.97	
			For >1,000 LF, Deduct	-0.72	
07 71 19 00-0041	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	52.72	2.86
			For Up To 25 LF, Add	8.65	
			For >25 To 100 LF, Add	4.32	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0042	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	54.44	3.14
			For Up To 25 LF, Add	9.27	
			For >25 To 100 LF, Add	4.64	
			For >1,000 LF, Deduct	-0.96	
07 71 19 00-0043			0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		
07 71 19 00-0044	LF		4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	53.94	2.43
			For Up To 25 LF, Add	8.25	
			For >25 To 100 LF, Add	4.13	
			For >1,000 LF, Deduct	-0.72	
07 71 19 00-0045	LF		>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	56.00	2.86
			For Up To 25 LF, Add	8.98	
			For >25 To 100 LF, Add	4.49	
			For >1,000 LF, Deduct	-0.84	
07 71 19 00-0046	LF		>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	57.87	3.14
			For Up To 25 LF, Add	9.62	
			For >25 To 100 LF, Add	4.81	
			For >1,000 LF, Deduct	-0.96	
07 71 19 00-0047			0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
07 71 19 00-0048	LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	58.04 8.66 4.33 -0.72		2.43	
07 71 19 00-0049	LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	59.92 9.37 4.68 -0.84		2.86	
07 71 19 00-0050	LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	61.50 9.98 4.99 -0.96		3.14	
07 71 19 00-0051	0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop (07 71 19 00-0038)				
07 71 19 00-0052	LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	60.82 8.94 4.47 -0.72		2.43	
07 71 19 00-0053	LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	62.81 9.66 4.83 -0.84		2.86	
07 71 19 00-0054	LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	64.50 10.28 5.14 -0.96		3.14	
07 71 19 00-0055	Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0002) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.				
07 71 19 00-0056	KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)				
07 71 19 00-0057	0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)				
07 71 19 00-0058	LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	48.17 7.96 3.98 -0.79		2.57	
07 71 19 00-0059	LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	51.34 8.85 4.43 -0.93		3.07	
07 71 19 00-0060	LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	54.91 9.72 4.86 -1.06		3.51	
07 71 19 00-0061	0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)				
07 71 19 00-0062	LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	50.79 8.22 4.11 -0.79		2.57	
07 71 19 00-0063	LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	54.07 9.12 4.56 -0.93		3.07	
07 71 19 00-0064	LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	57.79 10.01 5.01 -1.06		3.51	
07 71 19 00-0065	0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)				
07 71 19 00-0066	LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	54.20 8.56 4.28 -0.79		2.57	
07 71 19 00-0067	LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	57.34 9.45 4.73 -0.93		3.07	
07 71 19 00-0068	LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	61.42 10.37 5.19 -1.06		3.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0069			0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0056)		
07 71 19 00-0070	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.52	2.57
			For Up To 25 LF, Add	8.80	
			For >25 To 100 LF, Add	4.40	
			For >1,000 LF, Deduct	-0.79	
07 71 19 00-0071	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	59.74	3.07
			For Up To 25 LF, Add	9.69	
			For >25 To 100 LF, Add	4.85	
			For >1,000 LF, Deduct	-0.93	
07 71 19 00-0072	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	63.97	3.51
			For Up To 25 LF, Add	10.63	
			For >25 To 100 LF, Add	5.31	
			For >1,000 LF, Deduct	-1.06	
07 71 19 00-0073			Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0074			0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0075	LF		4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	35.66	2.57
			For Up To 25 LF, Add	6.71	
			For >25 To 100 LF, Add	3.36	
			For >1,000 LF, Deduct	-0.79	
07 71 19 00-0076	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.29	3.07
			For Up To 25 LF, Add	7.55	
			For >25 To 100 LF, Add	3.77	
			For >1,000 LF, Deduct	-0.93	
07 71 19 00-0077	LF		>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.27	3.51
			For Up To 25 LF, Add	8.36	
			For >25 To 100 LF, Add	4.18	
			For >1,000 LF, Deduct	-1.06	
07 71 19 00-0078			0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0079	LF		4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	37.47	2.57
			For Up To 25 LF, Add	6.89	
			For >25 To 100 LF, Add	3.45	
			For >1,000 LF, Deduct	-0.79	
07 71 19 00-0080	LF		>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.17	3.07
			For Up To 25 LF, Add	7.73	
			For >25 To 100 LF, Add	3.87	
			For >1,000 LF, Deduct	-0.93	
07 71 19 00-0081	LF		>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	43.27	3.51
			For Up To 25 LF, Add	8.56	
			For >25 To 100 LF, Add	4.28	
			For >1,000 LF, Deduct	-1.06	
07 71 19 00-0082			0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0083	LF		4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.82	2.57
			For Up To 25 LF, Add	7.13	
			For >25 To 100 LF, Add	3.56	
			For >1,000 LF, Deduct	-0.79	
07 71 19 00-0084	LF		>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.43	3.07
			For Up To 25 LF, Add	7.96	
			For >25 To 100 LF, Add	3.98	
			For >1,000 LF, Deduct	-0.93	
07 71 19 00-0085	LF		>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	45.63	3.51
			For Up To 25 LF, Add	8.80	
			For >25 To 100 LF, Add	4.40	
			For >1,000 LF, Deduct	-1.06	
07 71 19 00-0086			0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0087	LF		4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.42	2.57
			For Up To 25 LF, Add	7.29	
			For >25 To 100 LF, Add	3.64	
			For >1,000 LF, Deduct	-0.79	
07 71 19 00-0088	LF		>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	44.08	3.07
			For Up To 25 LF, Add	8.12	
			For >25 To 100 LF, Add	4.06	
			For >1,000 LF, Deduct	-0.93	
07 71 19 00-0089	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	47.38	3.51
			For Up To 25 LF, Add	8.97	
			For >25 To 100 LF, Add	4.49	
			For >1,000 LF, Deduct	-1.06	
07 71 19 00-0090			Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 19 00-0091	0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0092	LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	56.23	2.57
	For Up To 25 LF, Add	8.77	
	For >25 To 100 LF, Add	4.38	
	For >1,000 LF, Deduct	-0.79	
07 71 19 00-0093	LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	59.75	3.07
	For Up To 25 LF, Add	9.69	
	For >25 To 100 LF, Add	4.85	
	For >1,000 LF, Deduct	-0.93	
07 71 19 00-0094	LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	63.44	3.51
	For Up To 25 LF, Add	10.58	
	For >25 To 100 LF, Add	5.29	
	For >1,000 LF, Deduct	-1.06	
07 71 19 00-0095	0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0096	LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	59.37	2.57
	For Up To 25 LF, Add	9.08	
	For >25 To 100 LF, Add	4.54	
	For >1,000 LF, Deduct	-0.79	
07 71 19 00-0097	LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	63.03	3.07
	For Up To 25 LF, Add	10.02	
	For >25 To 100 LF, Add	5.01	
	For >1,000 LF, Deduct	-0.93	
07 71 19 00-0098	LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	66.87	3.51
	For Up To 25 LF, Add	10.92	
	For >25 To 100 LF, Add	5.46	
	For >1,000 LF, Deduct	-1.06	
07 71 19 00-0099	0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0100	LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	63.47	2.57
	For Up To 25 LF, Add	9.49	
	For >25 To 100 LF, Add	4.75	
	For >1,000 LF, Deduct	-0.79	
07 71 19 00-0101	LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	66.95	3.07
	For Up To 25 LF, Add	10.41	
	For >25 To 100 LF, Add	5.21	
	For >1,000 LF, Deduct	-0.93	
07 71 19 00-0102	LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	70.50	3.51
	For Up To 25 LF, Add	11.28	
	For >25 To 100 LF, Add	5.64	
	For >1,000 LF, Deduct	-1.06	
07 71 19 00-0103	0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0104	LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	66.25	2.57
	For Up To 25 LF, Add	9.77	
	For >25 To 100 LF, Add	4.88	
	For >1,000 LF, Deduct	-0.79	
07 71 19 00-0105	LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	69.83	3.07
	For Up To 25 LF, Add	10.70	
	For >25 To 100 LF, Add	5.35	
	For >1,000 LF, Deduct	-0.93	
07 71 19 00-0106	LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	73.50	3.51
	For Up To 25 LF, Add	11.58	
	For >25 To 100 LF, Add	5.79	
	For >1,000 LF, Deduct	-1.06	
07 71 19 00-0107	Stainless Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0108	Stainless Steel Gravel Stop (07 71 19 00-0107)		
07 71 19 00-0109	26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0110	LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	41.00	2.43
	For Up To 25 LF, Add	6.96	
	For >25 To 100 LF, Add	3.48	
	For >1,000 LF, Deduct	-0.72	
07 71 19 00-0111	LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	53.74	2.86
	For Up To 25 LF, Add	8.75	
	For >25 To 100 LF, Add	4.38	
	For >1,000 LF, Deduct	-0.84	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	79.31	3.14
		For Up To 25 LF, Add	11.76	
		For >25 To 100 LF, Add	5.88	
		For >1,000 LF, Deduct	-0.96	
07 71 19 00-0113		24 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	50.81	2.43
		For Up To 25 LF, Add	7.94	
		For >25 To 100 LF, Add	3.97	
		For >1,000 LF, Deduct	-0.72	
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	66.83	2.86
		For Up To 25 LF, Add	10.06	
		For >25 To 100 LF, Add	5.03	
		For >1,000 LF, Deduct	-0.84	
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	98.94	3.14
		For Up To 25 LF, Add	13.72	
		For >25 To 100 LF, Add	6.86	
		For >1,000 LF, Deduct	-0.96	
07 71 19 00-0117		22 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	61.24	2.43
		For Up To 25 LF, Add	8.98	
		For >25 To 100 LF, Add	4.49	
		For >1,000 LF, Deduct	-0.72	
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	80.73	2.86
		For Up To 25 LF, Add	11.45	
		For >25 To 100 LF, Add	5.72	
		For >1,000 LF, Deduct	-0.84	
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	119.80	3.14
		For Up To 25 LF, Add	15.81	
		For >25 To 100 LF, Add	7.90	
		For >1,000 LF, Deduct	-0.96	
07 71 19 00-0121		Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0107)		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	48.35	2.57
		For Up To 25 LF, Add	7.98	
		For >25 To 100 LF, Add	3.99	
		For >1,000 LF, Deduct	-0.79	
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	63.28	3.07
		For Up To 25 LF, Add	10.04	
		For >25 To 100 LF, Add	5.02	
		For >1,000 LF, Deduct	-0.93	
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	91.56	3.51
		For Up To 25 LF, Add	13.39	
		For >25 To 100 LF, Add	6.69	
		For >1,000 LF, Deduct	-1.06	
07 71 19 00-0126		24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	58.17	2.57
		For Up To 25 LF, Add	8.96	
		For >25 To 100 LF, Add	4.48	
		For >1,000 LF, Deduct	-0.79	
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	76.37	3.07
		For Up To 25 LF, Add	11.35	
		For >25 To 100 LF, Add	5.68	
		For >1,000 LF, Deduct	-0.93	
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	111.20	3.51
		For Up To 25 LF, Add	15.35	
		For >25 To 100 LF, Add	7.68	
		For >1,000 LF, Deduct	-1.06	
07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0121)		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	68.60	2.57
		For Up To 25 LF, Add	10.00	
		For >25 To 100 LF, Add	5.00	
		For >1,000 LF, Deduct	-0.79	
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	90.27	3.07
		For Up To 25 LF, Add	12.74	
		For >25 To 100 LF, Add	6.37	
		For >1,000 LF, Deduct	-0.93	
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	132.06	3.51
		For Up To 25 LF, Add	17.44	
		For >25 To 100 LF, Add	8.72	
		For >1,000 LF, Deduct	-1.06	
07 71 19 00-0134		Galvanized Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0135		Galvanized Steel Gravel Stop (07 71 19 00-0134)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 71 19 00-0136	KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0135)			
07 71 19 00-0137	24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop (07 71 19 00-0136)			
07 71 19 00-0138	LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	39.27		2.43
	For Up To 25 LF, Add	6.79		
	For >25 To 100 LF, Add	3.39		
	For >1,000 LF, Deduct	-0.72		
07 71 19 00-0139	LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	40.79		2.86
	For Up To 25 LF, Add	7.46		
	For >25 To 100 LF, Add	3.73		
	For >1,000 LF, Deduct	-0.84		
07 71 19 00-0140	LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	42.55		3.14
	For Up To 25 LF, Add	8.08		
	For >25 To 100 LF, Add	4.04		
	For >1,000 LF, Deduct	-0.96		
07 71 19 00-0141	Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0134)			
	Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.			
07 71 19 00-0142	KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0141)			
07 71 19 00-0143	24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat (07 71 19 00-0142)			
07 71 19 00-0144	LF 4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	44.85		2.57
	For Up To 25 LF, Add	7.63		
	For >25 To 100 LF, Add	3.81		
	For >1,000 LF, Deduct	-0.79		
07 71 19 00-0145	LF >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	48.01		3.07
	For Up To 25 LF, Add	8.52		
	For >25 To 100 LF, Add	4.26		
	For >1,000 LF, Deduct	-0.93		
07 71 19 00-0146	LF >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat.....	51.81		3.51
	For Up To 25 LF, Add	9.41		
	For >25 To 100 LF, Add	4.71		
	For >1,000 LF, Deduct	-1.06		
07 71 19 00-0147	Copper Gravel Stop (07 71 19 00-0001)			
07 71 19 00-0148	Copper Gravel Stop (07 71 19 00-0147)			
07 71 19 00-0149	20 Ounce, Copper Gravel Stop (07 71 19 00-0148)			
07 71 19 00-0150	LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop.....	65.08		2.43
	For Up To 25 LF, Add	9.37		
	For >25 To 100 LF, Add	4.68		
	For >1,000 LF, Deduct	-0.72		
07 71 19 00-0151	LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop.....	74.56		2.86
	For Up To 25 LF, Add	10.83		
	For >25 To 100 LF, Add	5.42		
	For >1,000 LF, Deduct	-0.84		
07 71 19 00-0152	LF >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop.....	86.10		3.14
	For Up To 25 LF, Add	12.44		
	For >25 To 100 LF, Add	6.22		
	For >1,000 LF, Deduct	-0.96		
07 71 19 00-0153	16 Ounce, Copper Gravel Stop (07 71 19 00-0148)			
07 71 19 00-0154	LF 4" To 6" Face Height, 16 Ounce, Copper Gravel Stop.....	78.82		2.43
	For Up To 25 LF, Add	10.74		
	For >25 To 100 LF, Add	5.37		
	For >1,000 LF, Deduct	-0.72		
07 71 19 00-0155	LF >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	91.35		2.86
	For Up To 25 LF, Add	12.51		
	For >25 To 100 LF, Add	6.26		
	For >1,000 LF, Deduct	-0.84		
07 71 19 00-0156	LF >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	104.42		3.14
	For Up To 25 LF, Add	14.27		
	For >25 To 100 LF, Add	7.14		
	For >1,000 LF, Deduct	-0.96		
07 71 19 00-0157	Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0147)			
	Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.			
07 71 19 00-0158	20 Ounce, Copper Gravel Stop System With Continuous Cleat (07 71 19 00-0157)			
07 71 19 00-0159	LF 4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat.....	67.78		2.57
	For Up To 25 LF, Add	9.92		
	For >25 To 100 LF, Add	4.96		
	For >1,000 LF, Deduct	-0.79		
07 71 19 00-0160	LF >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat.....	78.00		3.07
	For Up To 25 LF, Add	11.52		
	For >25 To 100 LF, Add	5.76		
	For >1,000 LF, Deduct	-0.93		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0161	LF		>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat.....	90.47	3.51
			For Up To 25 LF, Add	13.28	
			For >25 To 100 LF, Add	6.64	
			For >1,000 LF, Deduct	-1.06	
07 71 19 00-0162			16 Ounce, Copper Gravel Stop System With Continuous Cleat..... (07 71 19 00-0157)		
07 71 19 00-0163	LF		4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat.....	81.52	2.57
			For Up To 25 LF, Add	11.30	
			For >25 To 100 LF, Add	5.65	
			For >1,000 LF, Deduct	-0.79	
07 71 19 00-0164	LF		>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat.....	94.80	3.07
			For Up To 25 LF, Add	13.20	
			For >25 To 100 LF, Add	6.60	
			For >1,000 LF, Deduct	-0.93	
07 71 19 00-0165	LF		>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat.....	108.79	3.51
			For Up To 25 LF, Add	15.11	
			For >25 To 100 LF, Add	7.56	
			For >1,000 LF, Deduct	-1.06	
07 71 19 00-0166			Fascia (07 71 19)		
07 71 19 00-0167			Snap-On Cover Fascia (07 71 19 00-0166)		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168			Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0169			KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0168)		
07 71 19 00-0170			24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia (07 71 19 00-0169)		
07 71 19 00-0171	LF		3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	47.80	3.58
			For Up To 25 LF, Add	7.64	
			For >25 To 100 LF, Add	3.82	
			For >1,000 LF, Deduct	-0.72	
07 71 19 00-0172	LF		>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	53.70	3.72
			For Up To 25 LF, Add	8.35	
			For >25 To 100 LF, Add	4.17	
			For >1,000 LF, Deduct	-0.74	
07 71 19 00-0173	LF		>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat.....	57.48	3.86
			For Up To 25 LF, Add	8.84	
			For >25 To 100 LF, Add	4.42	
			For >1,000 LF, Deduct	-0.77	
07 71 19 00-0174			Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0169)		
07 71 19 00-0175			Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)		
07 71 19 00-0176	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	327.65	5.01
07 71 19 00-0177	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	349.87	5.01
07 71 19 00-0178	EA		Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	363.83	5.01
07 71 19 00-0179			Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (07 71 19 00-0174)		
07 71 19 00-0180	EA		Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	267.14	5.01
07 71 19 00-0181	EA		Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	278.36	5.01
07 71 19 00-0182	EA		Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	285.19	5.01
07 71 19 00-0183			Aluminum Snap-On Cover Fascia (07 71 19 00-0167)		
07 71 19 00-0184			KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)		
07 71 19 00-0185			0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)		
07 71 19 00-0186	LF		3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	27.50	3.58
			For Up To 25 LF, Add	5.61	
			For >25 To 100 LF, Add	2.81	
			For >1,000 LF, Deduct	-0.72	
07 71 19 00-0187	LF		>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	31.00	3.72
			For Up To 25 LF, Add	6.08	
			For >25 To 100 LF, Add	3.04	
			For >1,000 LF, Deduct	-0.74	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 71 19 00-0188	LF >7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	32.86 6.37 3.19 -0.77		3.86
07 71 19 00-0189	0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0184)			
07 71 19 00-0190	LF 3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	28.83 5.74 2.87 -0.72		3.58
07 71 19 00-0191	LF >5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	32.71 6.25 3.12 -0.74		3.72
07 71 19 00-0192	LF >7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	34.78 6.57 3.28 -0.77		3.86
07 71 19 00-0193	Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0184)			
07 71 19 00-0194	Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)			
07 71 19 00-0195	EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	171.95		5.01
07 71 19 00-0196	EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	186.33		5.01
07 71 19 00-0197	EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	192.62		5.01
07 71 19 00-0198	Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0193)			
07 71 19 00-0199	EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	136.49		5.01
07 71 19 00-0200	EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	143.66		5.01
07 71 19 00-0201	EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	146.79		5.01
07 71 19 00-0202	Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0183)			
07 71 19 00-0203	0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)			
07 71 19 00-0204	LF 3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	31.57 6.02 3.01 -0.72		3.58
07 71 19 00-0205	LF >5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	35.71 6.55 3.27 -0.74		3.72
07 71 19 00-0206	LF >7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	37.88 6.88 3.44 -0.77		3.86
07 71 19 00-0207	0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat (07 71 19 00-0202)			
07 71 19 00-0208	LF 3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	33.16 6.18 3.09 -0.72		3.58
07 71 19 00-0209	LF >5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	37.76 6.75 3.38 -0.74		3.72
07 71 19 00-0210	LF >7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat For Up To 25 LF, Add For >25 To 100 LF, Add For >1,000 LF, Deduct	40.19 7.11 3.55 -0.77		3.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 19 00-0211			Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0202)		
07 71 19 00-0212			Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0213	EA		Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	212.43	5.01
07 71 19 00-0214	EA		Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	230.41	5.01
07 71 19 00-0215	EA		Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	238.27	5.01

07 71 19 00-0216			Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems (07 71 19 00-0211)		
07 71 19 00-0217	EA		Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	168.11	5.01
07 71 19 00-0218	EA		Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	177.07	5.01
07 71 19 00-0219	EA		Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	180.99	5.01

07 71 23 Manufactured Gutters and Downspouts (07 71)

Note: Includes all necessary support straps.

07 71 23 00-0001 Aluminum Gutters And Downspouts (07 71 23)

07 71 23 00-0002 Aluminum Gutters (07 71 23 00-0001)

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0003 K-Style Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	11.86	5.14
		For Up To 100', Add	2.46	
		For >100' To 250', Add	1.02	
		For >1,000', Deduct	-0.85	
		For Kynar 500® Finish, Add	1.52	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	13.20	5.42
		For Up To 100', Add	2.65	
		For >100' To 250', Add	1.10	
		For >1,000', Deduct	-0.89	
		For Kynar 500® Finish, Add	1.94	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	12.35	5.14
		For Up To 100', Add	2.51	
		For >100' To 250', Add	1.04	
		For >1,000', Deduct	-0.85	
		For Kynar 500® Finish, Add	1.74	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	13.83	5.42
		For Up To 100', Add	2.72	
		For >100' To 250', Add	1.14	
		For >1,000', Deduct	-0.89	
		For Kynar 500® Finish, Add	2.22	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	25.53	5.70
		For Up To 100', Add	3.99	
		For >100' To 250', Add	1.76	
		For >1,000', Deduct	-0.96	
		For Kynar 500® Finish, Add	7.18	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	28.00	6.40
		For Up To 100', Add	4.38	
		For >100' To 250', Add	1.93	
		For >1,000', Deduct	-1.06	
		For Kynar 500® Finish, Add	7.85	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	31.36	6.40
		For Up To 100', Add	4.72	
		For >100' To 250', Add	2.10	
		For >1,000', Deduct	-1.06	
		For Kynar 500® Finish, Add	9.36	

07 71 23 00-0011 Half Round Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	21.61	5.14
		For Up To 100', Add	3.43	
		For >100' To 250', Add	1.50	
		For >1,000', Deduct	-0.85	
		For Kynar 500® Finish, Add	5.91	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	25.98	5.42
		For Up To 100', Add	3.93	
		For >100' To 250', Add	1.74	
		For >1,000', Deduct	-0.89	
		For Kynar 500® Finish, Add	7.69	

07 71 23 00-0014 Box Style Aluminum Gutters (07 71 23 00-0002)

07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	22.74	6.40
		For Up To 100', Add	3.86	
		For >100' To 250', Add	1.67	
		For >1,000', Deduct	-1.06	
		For Kynar 500® Finish, Add	5.48	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 71 23 00-0016	LF 6", 0.032" Thick, Box Style Aluminum Gutter..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add	22.80 3.86 1.67 -1.06 5.51		6.40
07 71 23 00-0017	LF 7", 0.032" Thick, Box Style Aluminum Gutter..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add	26.50 4.34 1.89 -1.13 6.86		6.81
07 71 23 00-0018	LF 8", 0.032" Thick, Box Style Aluminum Gutter..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct For Kynar 500® Finish, Add	29.91 4.78 2.09 -1.20 8.08		7.23
07 71 23 00-0019	Aluminum Gutter End Caps (07 71 23 00-0001)			
07 71 23 00-0020	K-Style, Aluminum Gutter End Caps (07 71 23 00-0019)			
07 71 23 00-0021	EA 5", K-Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	3.95 0.53		
07 71 23 00-0022	EA 6", K-Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	4.91 0.96		
07 71 23 00-0023	EA 7", K-Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	10.72 3.57		
07 71 23 00-0024	EA 8", K-Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	12.49 4.37		
07 71 23 00-0025	Half Round, Aluminum Gutter End Caps (07 71 23 00-0019)			
07 71 23 00-0026	EA 5", Half Round Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	6.39 1.62		
07 71 23 00-0027	EA 6", Half Round Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	9.92 3.21		
07 71 23 00-0028	Box Style, Aluminum Gutter End Caps (07 71 23 00-0019)			
07 71 23 00-0029	EA 6", Box Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	11.69 4.01		
07 71 23 00-0030	EA 7", Box Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	12.71 4.47		
07 71 23 00-0031	EA 8", Box Style Aluminum Gutter End Cap..... For Kynar 500® Finish, Add	14.93 5.47		
07 71 23 00-0032	Aluminum Gutter Miters (07 71 23 00-0001) Note: Inside or outside miters.			
07 71 23 00-0033	K-Style, Aluminum Gutter Miters (07 71 23 00-0032)			
07 71 23 00-0034	EA 5", K-Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	23.33 4.18		
07 71 23 00-0035	EA 6", K-Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	31.08 7.23		
07 71 23 00-0036	EA 7", K-Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	93.34 34.81		
07 71 23 00-0037	EA 8", K-Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	101.33 37.90		
07 71 23 00-0038	Half Round, Aluminum Gutter Miters (07 71 23 00-0032)			
07 71 23 00-0039	EA 5", Half Round Aluminum Gutter Miter..... For Kynar 500® Finish, Add	40.37 11.85		
07 71 23 00-0040	EA 6", Half Round Aluminum Gutter Miter..... For Kynar 500® Finish, Add	63.51 21.83		
07 71 23 00-0041	Box Style, Aluminum Gutter Miters (07 71 23 00-0032)			
07 71 23 00-0042	EA 6", Box Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	75.64 27.28		
07 71 23 00-0043	EA 7", Box Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	112.69 43.52		
07 71 23 00-0044	EA 8", Box Style Aluminum Gutter Miter..... For Kynar 500® Finish, Add	122.39 47.38		
07 71 23 00-0045	Aluminum Gutter Wire Strainers (07 71 23 00-0001)			
07 71 23 00-0046	EA 3" Diameter, Round Aluminum Wire Strainer..... For Kynar 500® Finish, Add For 0.024" Thick, Add For 0.027" Thick, Add For 0.031" Thick, Add	16.79 4.30 1.34 2.77 4.01		3.47
07 71 23 00-0047	EA 4" Diameter, Round Aluminum Wire Strainer..... For Kynar 500® Finish, Add For 0.024" Thick, Add For 0.027" Thick, Add For 0.031" Thick, Add	24.83 7.92 2.46 5.10 7.39		3.47

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0048		Aluminum Downspouts (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049		Round Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0050	LF	3" Diameter, 0.019" Thick, Round Aluminum Downspout.....	8.24	3.34
		For Up To 100', Add	1.37	
		For >100 To 250', Add	0.59	
		For >1,000', Deduct	-0.36	
		For Kynar 500® Finish, Add	2.08	
		For 0.024" Thick, Add	0.65	
		For 0.027" Thick, Add	1.34	
		For 0.031" Thick, Add	1.94	
07 71 23 00-0051	LF	4" Diameter, 0.019" Thick, Round Aluminum Downspout.....	9.33	3.34
		For Up To 100', Add	1.47	
		For >100 To 250', Add	0.65	
		For >1,000', Deduct	-0.36	
		For Kynar 500® Finish, Add	2.57	
		For 0.024" Thick, Add	0.80	
		For 0.027" Thick, Add	1.66	
		For 0.031" Thick, Add	2.40	
07 71 23 00-0052		Rectangular Aluminum Downspouts (07 71 23 00-0048)		
07 71 23 00-0053	LF	2" x 3", 0.019" Thick, Rectangular Aluminum Downspout.....	5.98	3.34
		For Up To 100', Add	1.14	
		For >100 To 250', Add	0.48	
		For >1,000', Deduct	-0.36	
		For Kynar 500® Finish, Add	1.07	
		For 0.024" Thick, Add	0.33	
		For 0.027" Thick, Add	0.69	
		For 0.031" Thick, Add	1.00	
07 71 23 00-0054	LF	3" x 4", 0.019" Thick, Rectangular Aluminum Downspout.....	7.36	3.34
		For Up To 100', Add	1.28	
		For >100 To 250', Add	0.55	
		For >1,000', Deduct	-0.36	
		For Kynar 500® Finish, Add	1.69	
		For 0.024" Thick, Add	0.53	
		For 0.027" Thick, Add	1.09	
		For 0.031" Thick, Add	1.58	
07 71 23 00-0055	LF	4" x 5", 0.019" Thick, Rectangular Aluminum Downspout.....	13.18	3.34
		For Up To 100', Add	1.86	
		For >100 To 250', Add	0.84	
		For >1,000', Deduct	-0.36	
		For Kynar 500® Finish, Add	4.31	
		For 0.024" Thick, Add	1.34	
		For 0.027" Thick, Add	2.78	
		For 0.031" Thick, Add	4.02	
07 71 23 00-0056		Aluminum Devices (07 71 23 00-0001)		
07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet	279.79	32.02
		For Kynar 500® Finish, Add	77.87	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head.....	272.68	35.59
		For Kynar 500® Finish, Add	90.68	
07 71 23 00-0059		Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060		Copper Gutters (07 71 23 00-0059) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061		K-Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter.....	19.78	4.87
		For Up To 100', Add	3.19	
		For >100' To 250', Add	1.39	
		For >1,000', Deduct	-0.81	
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter.....	27.53	5.14
		For Up To 100', Add	4.03	
		For >100' To 250', Add	1.80	
		For >1,000', Deduct	-0.85	
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter.....	32.62	5.42
		For Up To 100', Add	4.60	
		For >100' To 250', Add	2.08	
		For >1,000', Deduct	-0.89	
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter.....	34.37	5.14
		For Up To 100', Add	4.71	
		For >100' To 250', Add	2.14	
		For >1,000', Deduct	-0.85	
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter.....	42.31	5.42
		For Up To 100', Add	5.56	
		For >100' To 250', Add	2.56	
		For >1,000', Deduct	-0.89	
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter.....	49.29	5.70
		For Up To 100', Add	6.37	
		For >100' To 250', Add	2.94	
		For >1,000', Deduct	-0.96	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	54.79	6.40	
		For Up To 100', Add	7.06		
		For >100' To 250', Add	3.27		
		For >1,000', Deduct	-1.06		
07 71 23 00-0069 Half Round Copper Gutters (07 71 23 00-0060)					
07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	23.96	5.14	
		For Up To 100', Add	3.67		
		For >100' To 250', Add	1.62		
		For >1,000', Deduct	-0.85		
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	29.96	5.42	
		For Up To 100', Add	4.33		
		For >100' To 250', Add	1.94		
		For >1,000', Deduct	-0.89		
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	49.25	5.70	
		For Up To 100', Add	6.36		
		For >100' To 250', Add	2.94		
		For >1,000', Deduct	-0.96		
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	27.70	5.14	
		For Up To 100', Add	4.04		
		For >100' To 250', Add	1.81		
		For >1,000', Deduct	-0.85		
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	33.93	5.42	
		For Up To 100', Add	4.73		
		For >100' To 250', Add	2.14		
		For >1,000', Deduct	-0.89		
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	51.67	5.70	
		For Up To 100', Add	6.60		
		For >100' To 250', Add	3.06		
		For >1,000', Deduct	-0.96		
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	58.65	6.40	
		For Up To 100', Add	7.45		
		For >100' To 250', Add	3.46		
		For >1,000', Deduct	-1.06		
07 71 23 00-0077 Box Style Copper Gutters (07 71 23 00-0060)					
07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter	27.91	5.83	
		For Up To 100', Add	4.25		
		For >100' To 250', Add	1.88		
		For >1,000', Deduct	-0.97		
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter	30.04	6.40	
		For Up To 100', Add	4.59		
		For >100' To 250', Add	2.03		
		For >1,000', Deduct	-1.06		
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter	36.16	6.81	
		For Up To 100', Add	5.30		
		For >100' To 250', Add	2.37		
		For >1,000', Deduct	-1.13		
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter	37.01	7.23	
		For Up To 100', Add	5.49		
		For >100' To 250', Add	2.45		
		For >1,000', Deduct	-1.20		
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter	31.56	5.83	
		For Up To 100', Add	4.62		
		For >100' To 250', Add	2.06		
		For >1,000', Deduct	-0.97		
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter	33.69	6.40	
		For Up To 100', Add	4.95		
		For >100' To 250', Add	2.21		
		For >1,000', Deduct	-1.06		
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter	39.81	6.81	
		For Up To 100', Add	5.67		
		For >100' To 250', Add	2.55		
		For >1,000', Deduct	-1.13		
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter	40.66	7.23	
		For Up To 100', Add	5.86		
		For >100' To 250', Add	2.63		
		For >1,000', Deduct	-1.20		
07 71 23 00-0086 Copper Gutter End Caps (07 71 23 00-0059)					
07 71 23 00-0087 K-Style, Copper Gutter End Caps (07 71 23 00-0086)					
07 71 23 00-0088	EA	4", K-Style Copper Gutter End Cap	6.82		
07 71 23 00-0089	EA	5", K-Style Copper Gutter End Cap	7.27		
07 71 23 00-0090	EA	6", K-Style Copper Gutter End Cap	7.71		
07 71 23 00-0091	EA	7", K-Style Copper Gutter End Cap	19.67		
07 71 23 00-0092	EA	8", K-Style Copper Gutter End Cap	23.87		
07 71 23 00-0093 Half Round, Copper Gutter End Caps (07 71 23 00-0086)					
07 71 23 00-0094	EA	4", Half Round Copper Gutter End Cap	8.15		
07 71 23 00-0095	EA	5", Half Round Copper Gutter End Cap	9.09		
07 71 23 00-0096	EA	6", Half Round Copper Gutter End Cap	13.47		
07 71 23 00-0097	EA	7", Half Round Copper Gutter End Cap	39.52		
07 71 23 00-0098	EA	8", Half Round Copper Gutter End Cap	46.59		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0099		Box Style, Copper Gutter End Caps (07 71 23 00-0086)		
07 71 23 00-0100	EA	5", Box Style Copper Gutter End Cap.....	15.19	
07 71 23 00-0101	EA	6", Box Style Copper Gutter End Cap.....	15.92	
07 71 23 00-0102	EA	7", Box Style Copper Gutter End Cap.....	16.65	
07 71 23 00-0103	EA	8", Box Style Copper Gutter End Cap.....	18.11	
07 71 23 00-0104		Copper Gutter Miters (07 71 23 00-0059) Note: Inside or outside miters.		
07 71 23 00-0105		K-Style, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0106	EA	4", K-Style Copper Gutter Miter.....	43.03	
07 71 23 00-0107	EA	5", K-Style Copper Gutter Miter.....	48.61	
07 71 23 00-0108	EA	6", K-Style Copper Gutter Miter.....	69.02	
07 71 23 00-0109	EA	7", K-Style Copper Gutter Miter.....	96.69	
07 71 23 00-0110	EA	8", K-Style Copper Gutter Miter.....	113.14	
07 71 23 00-0111		Half Round, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0112	EA	4", Half Round Copper Gutter Miter.....	65.86	
07 71 23 00-0113	EA	5", Half Round Copper Gutter Miter.....	61.26	
07 71 23 00-0114	EA	6", Half Round Copper Gutter Miter.....	87.32	
07 71 23 00-0115	EA	7", Half Round Copper Gutter Miter.....	103.79	
07 71 23 00-0116	EA	8", Half Round Copper Gutter Miter.....	122.34	
07 71 23 00-0117		Box Style, Copper Gutter Miters (07 71 23 00-0104)		
07 71 23 00-0118	EA	5", 16 Ounce Box Style Copper Gutter Miter.....	72.38	
07 71 23 00-0119	EA	6", 16 Ounce Box Style Copper Gutter Miter.....	74.81	
07 71 23 00-0120	EA	7", 16 Ounce Box Style Copper Gutter Miter.....	81.62	
07 71 23 00-0121	EA	8", 16 Ounce Box Style Copper Gutter Miter.....	83.41	
07 71 23 00-0122	EA	5", 20 Ounce Box Style Copper Gutter Miter.....	79.68	
07 71 23 00-0123	EA	6", 20 Ounce Box Style Copper Gutter Miter.....	82.11	
07 71 23 00-0124	EA	7", 20 Ounce Box Style Copper Gutter Miter.....	88.92	
07 71 23 00-0125	EA	8", 20 Ounce Box Style Copper Gutter Miter.....	97.34	
07 71 23 00-0126		Copper Gutter Wire Strainers (07 71 23 00-0059)		
07 71 23 00-0127	EA	2" Diameter, Round Copper Wire Strainer.....	21.68	3.47
07 71 23 00-0128	EA	3" Diameter, Round Copper Wire Strainer.....	26.43	3.47
07 71 23 00-0129	EA	4" Diameter, Round Copper Wire Strainer.....	41.92	3.47
07 71 23 00-0130	EA	5" Diameter, Round Copper Wire Strainer.....	55.42	3.47
07 71 23 00-0131	EA	6" Diameter, Round Copper Wire Strainer.....	66.72	3.47
07 71 23 00-0132		Copper Downspouts (07 71 23 00-0059) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0133		Round Copper Downspouts (07 71 23 00-0132)		
07 71 23 00-0134	LF	2" Diameter, 16 Ounce, Round Copper Downspout.....	26.77	3.34
		For Up To 100', Add.....	3.22	
		For >100 To 250', Add.....	1.52	
		For >1,000', Deduct.....	-0.36	
07 71 23 00-0135	LF	3" Diameter, 16 Ounce, Round Copper Downspout.....	18.86	3.34
		For Up To 100', Add.....	2.43	
		For >100 To 250', Add.....	1.12	
		For >1,000', Deduct.....	-0.36	
07 71 23 00-0136	LF	4" Diameter, 16 Ounce, Round Copper Downspout.....	23.58	3.34
		For Up To 100', Add.....	2.90	
		For >100 To 250', Add.....	1.36	
		For >1,000', Deduct.....	-0.36	
07 71 23 00-0137	LF	5" Diameter, 16 Ounce, Round Copper Downspout.....	37.26	3.34
		For Up To 100', Add.....	4.27	
		For >100 To 250', Add.....	2.04	
		For >1,000', Deduct.....	-0.36	
07 71 23 00-0138	LF	6" Diameter, 16 Ounce, Round Copper Downspout.....	47.70	3.34
		For Up To 100', Add.....	5.31	
		For >100 To 250', Add.....	2.57	
		For >1,000', Deduct.....	-0.36	
07 71 23 00-0139	LF	3" Diameter, 20 Ounce, Round Copper Downspout.....	25.26	3.34
		For Up To 100', Add.....	3.07	
		For >100 To 250', Add.....	1.44	
		For >1,000', Deduct.....	-0.36	
07 71 23 00-0140	LF	4" Diameter, 20 Ounce, Round Copper Downspout.....	32.56	3.34
		For Up To 100', Add.....	3.80	
		For >100 To 250', Add.....	1.81	
		For >1,000', Deduct.....	-0.36	
07 71 23 00-0141	LF	5" Diameter, 20 Ounce, Round Copper Downspout.....	49.12	3.34
		For Up To 100', Add.....	5.45	
		For >100 To 250', Add.....	2.64	
		For >1,000', Deduct.....	-0.36	
07 71 23 00-0142		Square Copper Downspouts (07 71 23 00-0132)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0143	LF		3" Diameter, 16 Ounce, Square Copper Downspout	13.29	3.34
			For Up To 100', Add	1.87	
			For >100 To 250', Add	0.85	
			For >1,000', Deduct	-0.36	
07 71 23 00-0144	LF		4" Diameter, 16 Ounce, Square Copper Downspout	16.42	3.34
			For Up To 100', Add	2.18	
			For >100 To 250', Add	1.00	
			For >1,000', Deduct	-0.36	
07 71 23 00-0145	LF		5" Diameter, 16 Ounce, Square Copper Downspout	23.20	3.34
			For Up To 100', Add	2.86	
			For >100 To 250', Add	1.34	
			For >1,000', Deduct	-0.36	
07 71 23 00-0146	LF		3" Diameter, 20 Ounce, Square Copper Downspout	15.22	3.34
			For Up To 100', Add	2.06	
			For >100 To 250', Add	0.94	
			For >1,000', Deduct	-0.36	
07 71 23 00-0147	LF		4" Diameter, 20 Ounce, Square Copper Downspout	19.14	3.34
			For Up To 100', Add	2.46	
			For >100 To 250', Add	1.14	
			For >1,000', Deduct	-0.36	
07 71 23 00-0148	LF		5" Diameter, 20 Ounce, Square Copper Downspout	27.18	3.34
			For Up To 100', Add	3.26	
			For >100 To 250', Add	1.54	
			For >1,000', Deduct	-0.36	
07 71 23 00-0149 Rectangular Copper Downspouts (07 71 23 00-0132)					
07 71 23 00-0150	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout	19.35	3.34
			For Up To 100', Add	2.48	
			For >100 To 250', Add	1.15	
			For >1,000', Deduct	-0.36	
07 71 23 00-0151	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout	24.28	3.34
			For Up To 100', Add	2.97	
			For >100 To 250', Add	1.39	
			For >1,000', Deduct	-0.36	
07 71 23 00-0152	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout	34.23	3.34
			For Up To 100', Add	3.96	
			For >100 To 250', Add	1.89	
			For >1,000', Deduct	-0.36	
07 71 23 00-0153	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout	22.41	3.34
			For Up To 100', Add	2.78	
			For >100 To 250', Add	1.30	
			For >1,000', Deduct	-0.36	
07 71 23 00-0154	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout	28.53	3.34
			For Up To 100', Add	3.39	
			For >100 To 250', Add	1.61	
			For >1,000', Deduct	-0.36	
07 71 23 00-0155	LF		4" x 5", 20 Ounce, Rectangular Copper Downspout	40.64	3.34
			For Up To 100', Add	4.61	
			For >100 To 250', Add	2.21	
			For >1,000', Deduct	-0.36	
07 71 23 00-0156 Copper Devices And Accessories (07 71 23 00-0059)					
07 71 23 00-0157	EA		Thru-Wall Copper Scupper Outlet.....	238.54	32.02
07 71 23 00-0158	EA		Copper Leader/Conductor Head.....	322.06	35.59
07 71 23 00-0159	EA		Copper Eave Box.....	144.18	20.85
07 71 23 00-0160 Galvanized Steel Gutters And Downspouts (07 71 23)					
07 71 23 00-0161 Galvanized Steel Gutters (07 71 23 00-0160)					
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.					
07 71 23 00-0162 K-Style Galvanized Steel Gutters (07 71 23 00-0161)					
07 71 23 00-0163	LF		5", 26 Gauge, K-Style Galvanized Steel Gutter	14.97	5.14
			For Up To 100', Add	2.77	
			For >100' To 250', Add	1.17	
			For >1,000', Deduct	-0.85	
			For Kynar 500® Finish, Add	2.92	
			For 24 Gauge, Add	1.82	
			For 22 Gauge, Add	3.57	
07 71 23 00-0164	LF		6", 26 Gauge, K-Style Galvanized Steel Gutter	17.36	5.42
			For Up To 100', Add	3.07	
			For >100' To 250', Add	1.31	
			For >1,000', Deduct	-0.89	
			For Kynar 500® Finish, Add	3.81	
			For 24 Gauge, Add	2.37	
			For 22 Gauge, Add	4.66	
07 71 23 00-0165	LF		7", 26 Gauge, K-Style Galvanized Steel Gutter	35.64	5.70
			For Up To 100', Add	5.00	
			For >100' To 250', Add	2.26	
			For >1,000', Deduct	-0.96	
			For Kynar 500® Finish, Add	11.73	
			For 24 Gauge, Add	7.30	
			For 22 Gauge, Add	14.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0166	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	37.61	6.40	
		For Up To 100', Add	5.35		
		For >100' To 250', Add	2.41		
		For >1,000', Deduct	-1.06		
		For Kynar 500® Finish, Add	12.17		
		For 24 Gauge, Add	7.57		
		For 22 Gauge, Add	14.88		
07 71 23 00-0167 Half Round Galvanized Steel Gutters (07 71 23 00-0161)					
07 71 23 00-0168	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	21.67	5.14	
		For Up To 100', Add	3.44		
		For >100' To 250', Add	1.51		
		For >1,000', Deduct	-0.85		
		For Kynar 500® Finish, Add	5.94		
		For 24 Gauge, Add	3.69		
		For 22 Gauge, Add	7.25		
07 71 23 00-0169	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	27.23	5.42	
		For Up To 100', Add	4.06		
		For >100' To 250', Add	1.61		
		For >1,000', Deduct	-0.89		
		For Kynar 500® Finish, Add	8.25		
		For 24 Gauge, Add	5.14		
		For 22 Gauge, Add	10.09		
07 71 23 00-0170	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	68.00	5.70	
		For Up To 100', Add	8.24		
		For >100' To 250', Add	3.88		
		For >1,000', Deduct	-0.96		
		For Kynar 500® Finish, Add	26.29		
		For 24 Gauge, Add	16.36		
		For 22 Gauge, Add	32.13		
07 71 23 00-0171	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	72.57	6.40	
		For Up To 100', Add	8.84		
		For >100' To 250', Add	4.16		
		For >1,000', Deduct	-1.06		
		For Kynar 500® Finish, Add	27.90		
		For 24 Gauge, Add	17.36		
		For 22 Gauge, Add	34.11		
07 71 23 00-0172 Box Style Galvanized Steel Gutters (07 71 23 00-0161)					
07 71 23 00-0173	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	25.91	5.83	
		For Up To 100', Add	4.05		
		For >100' To 250', Add	1.78		
		For >1,000', Deduct	-0.97		
		For Kynar 500® Finish, Add	7.28		
		For 22 Gauge, Add	3.56		
07 71 23 00-0174	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	30.37	6.40	
		For Up To 100', Add	4.62		
		For >100' To 250', Add	2.05		
		For >1,000', Deduct	-1.06		
		For Kynar 500® Finish, Add	8.91		
		For 22 Gauge, Add	4.36		
07 71 23 00-0175	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	38.22	5.70	
		For Up To 100', Add	5.26		
		For >100' To 250', Add	2.39		
		For >1,000', Deduct	-0.96		
		For Kynar 500® Finish, Add	12.89		
		For 22 Gauge, Add	6.30		
07 71 23 00-0176	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	42.51	7.23	
		For Up To 100', Add	6.04		
		For >100' To 250', Add	2.72		
		For >1,000', Deduct	-1.20		
		For Kynar 500® Finish, Add	13.75		
		For 22 Gauge, Add	6.72		
07 71 23 00-0177 Galvanized Steel Gutter End Caps (07 71 23 00-0160)					
07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)					
07 71 23 00-0179	EA	5", K-Style Galvanized Steel Gutter End Cap	6.67		
		For Kynar 500® Finish, Add	1.75		
07 71 23 00-0180	EA	6", K-Style Galvanized Steel Gutter End Cap	7.69		
		For Kynar 500® Finish, Add	2.21		
07 71 23 00-0181	EA	7", K-Style Galvanized Steel Gutter End Cap	16.77		
		For Kynar 500® Finish, Add	6.30		
07 71 23 00-0182	EA	8", K-Style Galvanized Steel Gutter End Cap	24.35		
		For Kynar 500® Finish, Add	9.71		
07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0177)					
07 71 23 00-0184	EA	5", Half Round Galvanized Steel Gutter End Cap	8.59		
		For Kynar 500® Finish, Add	2.61		
07 71 23 00-0185	EA	6", Half Round Galvanized Steel Gutter End Cap	9.90		
		For Kynar 500® Finish, Add	3.20		
07 71 23 00-0186	EA	7", Half Round Galvanized Steel Gutter End Cap	18.50		
		For Kynar 500® Finish, Add	7.07		
07 71 23 00-0187	EA	8", Half Round Galvanized Steel Gutter End Cap	25.03		
		For Kynar 500® Finish, Add	10.01		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0177)			
07 71 23 00-0189	EA 5", Box Style Galvanized Steel Gutter End Cap.....	15.46	
	For Kynar 500® Finish, Add	5.71	
07 71 23 00-0190	EA 6", Box Style Galvanized Steel Gutter End Cap.....	18.63	
	For Kynar 500® Finish, Add	7.13	
07 71 23 00-0191	EA 7", Box Style Galvanized Steel Gutter End Cap.....	20.88	
	For Kynar 500® Finish, Add	8.15	
07 71 23 00-0192	EA 8", Box Style Galvanized Steel Gutter End Cap.....	28.00	
	For Kynar 500® Finish, Add	11.35	
07 71 23 00-0193 Galvanized Steel Gutter Miters (07 71 23 00-0160)			
Note: Inside or outside miters.			
07 71 23 00-0194 K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)			
07 71 23 00-0195	EA 5", K-Style Galvanized Steel Gutter Miter	40.38	
	For Kynar 500® Finish, Add	11.85	
07 71 23 00-0196	EA 6", K-Style Galvanized Steel Gutter Miter	65.42	
	For Kynar 500® Finish, Add	22.68	
07 71 23 00-0197	EA 7", K-Style Galvanized Steel Gutter Miter	104.63	
	For Kynar 500® Finish, Add	39.89	
07 71 23 00-0198	EA 8", K-Style Galvanized Steel Gutter Miter	117.61	
	For Kynar 500® Finish, Add	45.23	
07 71 23 00-0199 Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0193)			
07 71 23 00-0200	EA 5", Half Round Galvanized Steel Gutter Miter.....	55.28	
	For Kynar 500® Finish, Add	18.56	
07 71 23 00-0201	EA 6", Half Round Galvanized Steel Gutter Miter.....	62.12	
	For Kynar 500® Finish, Add	21.20	
07 71 23 00-0202	EA 7", Half Round Galvanized Steel Gutter Miter.....	176.19	
	For Kynar 500® Finish, Add	72.09	
07 71 23 00-0203	EA 8", Half Round Galvanized Steel Gutter Miter.....	186.21	
	For Kynar 500® Finish, Add	76.10	
07 71 23 00-0204 Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0193)			
07 71 23 00-0205	EA 5", Box Style Galvanized Steel Gutter Miter	52.30	
	For Kynar 500® Finish, Add	17.22	
07 71 23 00-0206	EA 6", Box Style Galvanized Steel Gutter Miter	85.13	
	For Kynar 500® Finish, Add	31.55	
07 71 23 00-0207	EA 7", Box Style Galvanized Steel Gutter Miter	110.56	
	For Kynar 500® Finish, Add	42.56	
07 71 23 00-0208	EA 8", Box Style Galvanized Steel Gutter Miter	117.61	
	For Kynar 500® Finish, Add	45.23	
07 71 23 00-0209 Galvanized Steel Gutter Wire Strainers (07 71 23 00-0160)			
07 71 23 00-0210	EA 3" Diameter, Round Galvanized Steel Wire Strainer.....	14.84	3.47
	For Kynar 500® Finish, Add	3.42	
07 71 23 00-0211	EA 4" Diameter, Round Galvanized Steel Wire Strainer.....	21.32	3.47
	For Kynar 500® Finish, Add	6.34	
07 71 23 00-0212 Galvanized Steel Downspouts (07 71 23 00-0160)			
Note: Includes elbows, hangers and fasteners.			
07 71 23 00-0213 Round Galvanized Steel Downspouts (07 71 23 00-0212)			
07 71 23 00-0214	LF 3" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	8.35	3.34
	For Up To 100', Add	1.38	
	For >100 To 250', Add	0.60	
	For >1,000', Deduct	-0.36	
	For Kynar 500® Finish, Add	2.13	
	For 24 Gauge, Add	1.33	
	For 22 Gauge, Add	2.61	
07 71 23 00-0215	LF 4" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	10.37	3.34
	For Up To 100', Add	1.58	
	For >100 To 250', Add	0.70	
	For >1,000', Deduct	-0.36	
	For Kynar 500® Finish, Add	3.04	
	For 24 Gauge, Add	1.89	
	For 22 Gauge, Add	3.72	
07 71 23 00-0216	LF 5" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	14.12	3.34
	For Up To 100', Add	1.95	
	For >100 To 250', Add	0.89	
	For >1,000', Deduct	-0.36	
	For Kynar 500® Finish, Add	4.73	
	For 24 Gauge, Add	2.94	
	For 22 Gauge, Add	5.78	
07 71 23 00-0217	LF 6" Diameter, 26 Gauge, Round Galvanized Steel Downspout.....	31.44	3.34
	For Up To 100', Add	3.69	
	For >100 To 250', Add	1.75	
	For >1,000', Deduct	-0.36	
	For Kynar 500® Finish, Add	12.52	
	For 24 Gauge, Add	7.79	
	For 22 Gauge, Add	15.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0218			Square Galvanized Steel Downspouts (07 71 23 00-0212)		
07 71 23 00-0219	LF		4" x 4", 26 Gauge, Square Galvanized Steel Downspout	9.48	3.34
			For Up To 100', Add	1.49	
			For >100 To 250', Add	0.65	
			For >1,000', Deduct	-0.36	
			For Kynar 500® Finish, Add	2.64	
			For 24 Gauge, Add	1.64	
			For 22 Gauge, Add	3.23	
07 71 23 00-0220	LF		5" x 5", 26 Gauge, Square Galvanized Steel Downspout	12.15	3.34
			For Up To 100', Add	1.76	
			For >100 To 250', Add	0.79	
			For >1,000', Deduct	-0.36	
			For Kynar 500® Finish, Add	3.84	
			For 24 Gauge, Add	2.39	
			For 22 Gauge, Add	4.70	
07 71 23 00-0221			Rectangular Galvanized Steel Downspouts (07 71 23 00-0212)		
07 71 23 00-0222	LF		2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout.....	8.50	3.34
			For Up To 100', Add	1.39	
			For >100 To 250', Add	0.61	
			For >1,000', Deduct	-0.36	
			For Kynar 500® Finish, Add	2.20	
			For 24 Gauge, Add	1.37	
			For 22 Gauge, Add	2.69	
07 71 23 00-0223	LF		3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout.....	10.84	3.34
			For Up To 100', Add	1.63	
			For >100 To 250', Add	0.72	
			For >1,000', Deduct	-0.36	
			For Kynar 500® Finish, Add	3.25	
			For 24 Gauge, Add	2.02	
			For 22 Gauge, Add	3.98	
07 71 23 00-0224	LF		4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout.....	20.14	3.34
			For Up To 100', Add	2.56	
			For >100 To 250', Add	1.19	
			For >1,000', Deduct	-0.36	
			For Kynar 500® Finish, Add	7.44	
			For 24 Gauge, Add	4.63	
			For 22 Gauge, Add	9.09	
07 71 23 00-0225			Galvanized Steel Devices (07 71 23 00-0160)		
07 71 23 00-0226	EA		Galvanized Steel Leader/Conductor Head	373.83	35.59
			For Kynar 500® Finish, Add	136.20	
07 71 23 00-0227	EA		Thru-Wall Galvanized Steel Scupper Outlet	198.97	32.02
			For Kynar 500® Finish, Add	41.50	
07 71 23 00-0228			Stainless Steel Gutters And Downspouts (07 71 23)		
			Note: AISI type 304 stainless steel.		
07 71 23 00-0229			Stainless Steel Gutters (07 71 23 00-0228)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0230			K-Style, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0231	LF		5", 26 Gauge, K-Style Stainless Steel Gutter.....	31.25	5.14
			For Up To 100', Add	4.40	
			For >100' To 250', Add	1.99	
			For >1,000', Deduct	-0.85	
			For 316 Stainless Steel, Add	8.65	
			For 24 Gauge, Add	7.51	
			For 22 Gauge, Add	15.03	
			For 20 Gauge, Add	22.54	
07 71 23 00-0232	LF		6", 26 Gauge, K-Style Stainless Steel Gutter.....	37.36	5.42
			For Up To 100', Add	5.07	
			For >100' To 250', Add	2.31	
			For >1,000', Deduct	-0.89	
			For 316 Stainless Steel, Add	10.82	
			For 24 Gauge, Add	9.40	
			For 22 Gauge, Add	18.79	
			For 20 Gauge, Add	28.19	
07 71 23 00-0233			Half Round, Stainless Steel Gutters (07 71 23 00-0229)		
07 71 23 00-0234	LF		5", 26 Gauge, Half Round Stainless Steel Gutter	42.96	5.14
			For Up To 100', Add	5.57	
			For >100' To 250', Add	2.57	
			For >1,000', Deduct	-0.85	
			For 316 Stainless Steel, Add	13.10	
			For 24 Gauge, Add	11.38	
			For 22 Gauge, Add	22.76	
			For 20 Gauge, Add	34.14	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0235	LF	6"	26 Gauge, Half Round Stainless Steel Gutter	51.92	5.42
			For Up To 100', Add	6.53	
			For >100' To 250', Add	3.04	
			For >1,000', Deduct	-0.89	
			For 316 Stainless Steel, Add	16.35	
			For 24 Gauge, Add	14.20	
			For 22 Gauge, Add	28.40	
			For 20 Gauge, Add	42.60	
07 71 23 00-0236 Box Style, Stainless Steel Gutters (07 71 23 00-0229)					
07 71 23 00-0237	LF	5"	26 Gauge, Box Style Stainless Steel Gutter	42.20	5.83
			For Up To 100', Add	5.68	
			For >100' To 250', Add	2.60	
			For >1,000', Deduct	-0.97	
			For 316 Stainless Steel, Add	12.34	
			For 24 Gauge, Add	10.72	
			For 22 Gauge, Add	21.43	
			For 20 Gauge, Add	32.15	
			For 18 Gauge, Add	53.90	
			For Seamless Gutter, Add	-0.16	
07 71 23 00-0238	LF	6"	26 Gauge, Box Style Stainless Steel Gutter	51.35	6.40
			For Up To 100', Add	6.72	
			For >100' To 250', Add	3.10	
			For >1,000', Deduct	-1.06	
			For 316 Stainless Steel, Add	15.50	
			For 24 Gauge, Add	13.46	
			For 22 Gauge, Add	26.92	
			For 20 Gauge, Add	40.38	
			For 18 Gauge, Add	67.71	
			For Seamless Gutter, Add	-0.46	
07 71 23 00-0239	LF	7"	26 Gauge, Box Style Stainless Steel Gutter	60.55	6.81
			For Up To 100', Add	7.74	
			For >100' To 250', Add	3.59	
			For >1,000', Deduct	-1.13	
			For 316 Stainless Steel, Add	18.73	
			For 24 Gauge, Add	16.27	
			For 22 Gauge, Add	32.54	
			For 20 Gauge, Add	48.81	
			For 18 Gauge, Add	81.84	
			For Seamless Gutter, Add	-0.78	
07 71 23 00-0240	LF	8"	26 Gauge, Box Style Stainless Steel Gutter	65.81	7.23
			For Up To 100', Add	8.37	
			For >100' To 250', Add	3.89	
			For >1,000', Deduct	-1.20	
			For 316 Stainless Steel, Add	20.47	
			For 24 Gauge, Add	17.77	
			For 22 Gauge, Add	35.55	
			For 20 Gauge, Add	53.32	
			For 18 Gauge, Add	89.41	
			For Seamless Gutter, Add	-0.90	
07 71 23 00-0241 Stainless Steel Gutter End Caps (07 71 23 00-0228)					
07 71 23 00-0242 K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)					
07 71 23 00-0243	EA	5"	K-Style Stainless Steel Gutter End Cap	9.90	
			For 316 Stainless Steel, Add	2.71	
07 71 23 00-0244	EA	6"	K-Style Stainless Steel Gutter End Cap	11.33	
			For 316 Stainless Steel, Add	3.25	
07 71 23 00-0245 Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0241)					
07 71 23 00-0246	EA	5"	Half Round Stainless Steel Gutter End Cap	11.68	
			For 316 Stainless Steel, Add	3.38	
07 71 23 00-0247	EA	6"	Half Round Stainless Steel Gutter End Cap	13.46	
			For 316 Stainless Steel, Add	4.06	
07 71 23 00-0248 Box Style, Stainless Steel Gutter End Caps (07 71 23 00-0241)					
07 71 23 00-0249	EA	5"	Box Style Stainless Steel Gutter End Cap	12.37	
			For 316 Stainless Steel, Add	3.38	
07 71 23 00-0250	EA	6"	Box Style Stainless Steel Gutter End Cap	14.15	
			For 316 Stainless Steel, Add	4.06	
07 71 23 00-0251	EA	7"	Box Style Stainless Steel Gutter End Cap	14.78	
			For 316 Stainless Steel, Add	4.39	
07 71 23 00-0252	EA	8"	Box Style Stainless Steel Gutter End Cap	17.91	
			For 316 Stainless Steel, Add	5.40	
07 71 23 00-0253 Stainless Steel Gutter Miters (07 71 23 00-0228)					
Note: Inside or outside box miters.					
07 71 23 00-0254 K-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)					
07 71 23 00-0255	EA	5"	K-Style Stainless Steel Gutter Miter	50.84	
			For 316 Stainless Steel, Add	13.98	
07 71 23 00-0256	EA	6"	K-Style Stainless Steel Gutter Miter	80.30	
			For 316 Stainless Steel, Add	24.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0257			Half Round, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0258	EA		5", Half Round Stainless Steel Gutter Miter.....	122.07	
			For 316 Stainless Steel, Add	41.05	
07 71 23 00-0259	EA		6", Half Round Stainless Steel Gutter Miter.....	149.11	
			For 316 Stainless Steel, Add	50.96	
07 71 23 00-0260			Box-Style, Stainless Steel Gutter Miters (07 71 23 00-0253)		
07 71 23 00-0261	EA		5", Box-Style Stainless Steel Gutter Miter.....	58.20	
			For 316 Stainless Steel, Add	16.78	
07 71 23 00-0262	EA		6", Box-Style Stainless Steel Gutter Miter.....	93.36	
			For 316 Stainless Steel, Add	29.77	
07 71 23 00-0263	EA		7", Box-Style Stainless Steel Gutter Miter.....	107.39	
			For 316 Stainless Steel, Add	34.74	
07 71 23 00-0264	EA		8", Box-Style Stainless Steel Gutter Miter.....	121.57	
			For 316 Stainless Steel, Add	39.70	
07 71 23 00-0265			Stainless Steel Gutter Wire Strainers (07 71 23 00-0228)		
07 71 23 00-0266	EA		3" Diameter, Round Stainless Steel Wire Strainer.....	48.14	3.47
07 71 23 00-0267	EA		4" Diameter, Round Stainless Steel Wire Strainer.....	49.26	3.47
07 71 23 00-0268			Stainless Steel Downspouts (07 71 23 00-0228)		
			Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0269			Round Stainless Steel Downspouts (07 71 23 00-0268)		
07 71 23 00-0270	LF		3" Diameter, 26 Gauge, Round Stainless Steel Downspout.....	18.32	3.34
			For Up To 100', Add	2.37	
			For >100 To 250', Add	1.10	
			For >1,000', Deduct	-0.36	
			For 316 Stainless Steel, Add	5.59	
			For 24 Gauge, Add	4.85	
			For 22 Gauge, Add	9.71	
			For 20 Gauge, Add	14.56	
07 71 23 00-0271	LF		4" Diameter, 26 Gauge, Round Stainless Steel Downspout.....	24.03	3.34
			For Up To 100', Add	2.94	
			For >100 To 250', Add	1.38	
			For >1,000', Deduct	-0.36	
			For 316 Stainless Steel, Add	7.76	
			For 24 Gauge, Add	6.74	
			For 22 Gauge, Add	13.48	
			For 20 Gauge, Add	20.22	
07 71 23 00-0272	LF		5" Diameter, 26 Gauge, Round Stainless Steel Downspout.....	34.81	3.34
			For Up To 100', Add	4.02	
			For >100 To 250', Add	1.92	
			For >1,000', Deduct	-0.36	
			For 316 Stainless Steel, Add	11.86	
			For 24 Gauge, Add	10.30	
			For 22 Gauge, Add	20.59	
			For 20 Gauge, Add	30.89	
07 71 23 00-0273			Rectangular Stainless Steel Downspouts (07 71 23 00-0268)		
07 71 23 00-0274	LF		2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout.....	18.74	3.34
			For Up To 100', Add	2.42	
			For >100 To 250', Add	1.12	
			For >1,000', Deduct	-0.36	
			For 316 Stainless Steel, Add	5.75	
			For 24 Gauge, Add	4.99	
			For 22 Gauge, Add	9.99	
			For 20 Gauge, Add	14.98	
			For 18 Gauge, Add	25.12	
07 71 23 00-0275	LF		3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout.....	24.88	3.34
			For Up To 100', Add	3.03	
			For >100 To 250', Add	1.42	
			For >1,000', Deduct	-0.36	
			For 316 Stainless Steel, Add	8.08	
			For 24 Gauge, Add	7.02	
			For 22 Gauge, Add	14.04	
			For 20 Gauge, Add	21.06	
			For 18 Gauge, Add	35.31	
07 71 23 00-0276	LF		4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout.....	32.07	3.34
			For Up To 100', Add	3.75	
			For >100 To 250', Add	1.78	
			For >1,000', Deduct	-0.36	
			For 316 Stainless Steel, Add	10.81	
			For 24 Gauge, Add	9.39	
			For 22 Gauge, Add	18.78	
			For 20 Gauge, Add	28.18	
			For 18 Gauge, Add	47.24	
07 71 23 00-0277			Stainless Steel Devices (07 71 23 00-0228)		
07 71 23 00-0278	EA		Thru-Wall Stainless Steel Scupper Outlet.....	284.24	31.27
			For 316 Stainless Steel, Add	68.41	
07 71 23 00-0279	EA		Stainless Steel Leader/Conductor Head.....	493.23	31.27
			For 316 Stainless Steel, Add	161.02	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 23 00-0280	Vinyl Gutters And Downspouts (07 71 23)		
07 71 23 00-0281	Vinyl Gutters (07 71 23 00-0280) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0282	K-Style Vinyl Gutters (07 71 23 00-0281)		
07 71 23 00-0283	LF 4", K-Style Vinyl Gutter For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	12.66 2.13 0.92 -0.58	3.47
07 71 23 00-0284	LF 5", K-Style Vinyl Gutter For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	16.20 2.49 1.10 -0.58	3.47
07 71 23 00-0285	Half Round Vinyl Gutters (07 71 23 00-0281)		
07 71 23 00-0286	LF 4", Half Round Vinyl Gutter For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	13.06 2.17 0.94 -0.58	3.47
07 71 23 00-0287	LF 5", Half Round Vinyl Gutter For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	13.71 2.24 0.98 -0.58	3.47
07 71 23 00-0288	Vinyl Gutter End Caps (07 71 23 00-0280)		
07 71 23 00-0289	K-Style, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0290	EA 4", K-Style Vinyl Gutter End Cap	7.76	
07 71 23 00-0291	EA 5", K-Style Vinyl Gutter End Cap	10.70	
07 71 23 00-0292	Half Round, Vinyl Gutter End Caps (07 71 23 00-0288)		
07 71 23 00-0293	EA 4", Half Round Vinyl Gutter End Cap	8.84	
07 71 23 00-0294	EA 5", Half Round Vinyl Gutter End Cap	8.36	
07 71 23 00-0295	Vinyl Gutter Miters (07 71 23 00-0280) Note: Inside or outside miters.		
07 71 23 00-0296	K-Style, Vinyl Gutter Miters (07 71 23 00-0295)		
07 71 23 00-0297	EA 4", K-Style Vinyl Gutter Miter	19.19	
07 71 23 00-0298	EA 5", K-Style Vinyl Gutter Miter	28.67	
07 71 23 00-0299	Half Round, Vinyl Gutter Miters (07 71 23 00-0295)		
07 71 23 00-0300	EA 4", Half Round Vinyl Gutter Miter	19.19	
07 71 23 00-0301	EA 5", Half Round Vinyl Gutter Miter	20.82	
07 71 23 00-0302	Vinyl Downspouts (07 71 23 00-0280) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0303	Round Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0304	LF 2-1/2" Diameter, Round Vinyl Downspout..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct	8.30 1.37 0.60 -0.36	3.34
07 71 23 00-0305	LF 3" Diameter, Round Vinyl Downspout..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct	8.64 1.41 0.61 -0.36	3.34
07 71 23 00-0306	Square Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0307	LF 2-1/2", Square Vinyl Downspout..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct	8.16 1.36 0.59 -0.36	3.34
07 71 23 00-0308	Rectangular Vinyl Downspouts (07 71 23 00-0302)		
07 71 23 00-0309	LF 2" x 3", Rectangular Vinyl Downspout..... For Up To 100', Add For >100 To 250', Add For >1,000', Deduct	10.37 1.58 0.70 -0.36	3.34
07 71 23 00-0310	Gutter And Downspout Boots (07 71 23)		
07 71 23 00-0311	Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0310)		
07 71 23 00-0312	EA 2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	348.43	5.00
07 71 23 00-0313	EA 3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	454.28	5.00
07 71 23 00-0314	EA 4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	542.30	5.00

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0315		Cast Iron Roof Drainage Downspout Boots With Cleanouts (07 71 23 00-0310)		
07 71 23 00-0316	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	602.21	5.00
07 71 23 00-0317	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	735.78	5.00
07 71 23 00-0318	EA	5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,335.60	5.00
07 71 23 00-0319		Wall Mounted Downspout Covers With Hinged Perforated Cover (07 71 23)		
07 71 23 00-0320	EA	3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	1,204.81	32.25
		For Polished Brass Finish (-PB), Add	114.03	
		For Chrome Plated Finish (-CP), Add	171.05	
		For Vandal Proof (-U), Add	57.02	
07 71 23 00-0321	EA	4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	1,226.31	43.00
		For Polished Brass Finish (-PB), Add	114.03	
		For Chrome Plated Finish (-CP), Add	171.05	
		For Vandal Proof (-U), Add	57.02	
07 71 23 00-0322	EA	6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	1,315.04	55.35
		For Polished Brass Finish (-PB), Add	120.43	
		For Chrome Plated Finish (-CP), Add	180.65	
		For Vandal Proof (-U), Add	60.22	
07 71 23 00-0323	EA	8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	1,402.06	69.89
		For Polished Brass Finish (-PB), Add	126.23	
		For Chrome Plated Finish (-CP), Add	189.34	
		For Vandal Proof (-U), Add	63.11	
07 71 23 00-0324	EA	10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	1,507.90	86.10
		For Polished Brass Finish (-PB), Add	133.57	
		For Chrome Plated Finish (-CP), Add	200.36	
		For Vandal Proof (-U), Add	66.79	
07 71 23 00-0325	EA	12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	1,657.25	120.20
		For Polished Brass Finish (-PB), Add	141.68	
		For Chrome Plated Finish (-CP), Add	212.53	
		For Vandal Proof (-U), Add	70.84	
07 71 23 00-0326	EA	15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	1,831.20	167.17
		For Polished Brass Finish (-PB), Add	149.69	
		For Chrome Plated Finish (-CP), Add	224.53	
		For Vandal Proof (-U), Add	74.84	
07 71 23 00-0327		Wall Mounted Downspout Nozzle (07 71 23)		
07 71 23 00-0328	EA	3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03).....	310.67	32.25
		For Nickel Bronze Finish (-NB), Add	172.32	
		For Polished Bronze Finish (-PB), Add	135.39	
		For Chrome Plated Finish (-CP), Add	219.09	
07 71 23 00-0329	EA	4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04).....	332.17	43.00
		For Nickel Bronze Finish (-NB), Add	172.32	
		For Polished Bronze Finish (-PB), Add	135.39	
		For Chrome Plated Finish (-CP), Add	219.09	
07 71 23 00-0330	EA	6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06).....	694.65	55.35
		For Nickel Bronze Finish (-NB), Add	175.19	
		For Polished Bronze Finish (-PB), Add	99.27	
		For Chrome Plated Finish (-CP), Add	256.94	
07 71 23 00-0331	EA	8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08).....	1,026.19	69.89
		For Nickel Bronze Finish (-NB), Add	150.69	
		For Polished Bronze Finish (-PB), Add	115.23	
		For Chrome Plated Finish (-CP), Add	257.06	
07 71 23 00-0332	EA	10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10).....	1,323.00	86.10
		For Nickel Bronze Finish (-NB), Add	195.64	
		For Polished Bronze Finish (-PB), Add	149.60	
		For Chrome Plated Finish (-CP), Add	333.73	
07 71 23 00-0333	EA	12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12).....	1,688.15	120.20
		For Nickel Bronze Finish (-NB), Add	246.12	
		For Polished Bronze Finish (-PB), Add	188.21	
		For Chrome Plated Finish (-CP), Add	419.84	
07 71 23 00-0334		Leaf Guards And Cleaning (07 71 23)		
07 71 23 00-0335	LF	Aluminum Mesh Gutter Leaf Guard	4.26	1.09
		For Up To 100', Add	0.75	
		For >100' To 250', Add	0.32	
		For >1,000', Deduct	-0.22	
07 71 23 00-0336	LF	Vinyl Mesh Gutter Leaf Guard	3.39	1.09
		For Up To 100', Add	0.66	
		For >100' To 250', Add	0.28	
		For >1,000', Deduct	-0.22	
07 71 23 00-0337	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	17.22	1.36
		For Up To 100', Add	2.13	
		For >100' To 250', Add	1.00	
		For >1,000', Deduct	-0.28	
07 71 23 00-0338	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	24.49	1.36
		For Up To 100', Add	2.86	
		For >100' To 250', Add	1.36	
		For >1,000', Deduct	-0.28	
07 71 23 00-0339	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.12	1.36
		For Up To 100', Add	1.64	
		For >100' To 250', Add	0.76	
		For >1,000', Deduct	-0.22	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 71 Roof Specialties

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 71 23 00-0340	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh.....	20.09	1.36
		For Up To 100', Add	2.33	
		For >100' To 250', Add	1.11	
		For >1,000', Deduct	-0.22	
07 71 23 00-0341	EA	Cleanout Roof Drain	193.20	
		Note: Includes removing dome and flushing.		
07 71 23 00-0342	LF	Cleanout Roof Gutters And Downspouts	2.27	

07 71 26 Reglets (07 71)

07 71 26 00-0001		Counter Flashing With Reglet (07 71 26)		
		Note: Includes reglet cut.		
07 71 26 00-0002		Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003		Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.47	6.36
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.65	6.36
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.97	6.36
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	21.20	6.36
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	21.89	6.36
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	22.69	6.36
07 71 26 00-0010		KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	22.50	6.36
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	22.77	6.36
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	23.23	6.36
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	25.00	6.36
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	26.01	6.36
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	27.18	6.36
07 71 26 00-0017		Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018		KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	16.97	6.36
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.64	6.36
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.31	6.36
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.79	6.36
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	19.87	6.36
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	21.44	6.36
07 71 26 00-0025		Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.44	6.36
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.87	6.36
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.29	6.36
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.60	6.36
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	17.29	6.36
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	18.29	6.36
07 71 26 00-0032		Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.66	6.36
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.28	6.36
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.90	6.36
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	18.35	6.36
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	19.34	6.36
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	20.79	6.36
07 71 26 00-0039		Stainless Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0040		Stainless Steel Counter Flashing With Reglet (07 71 26 00-0039)		
07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	22.48	6.36
07 71 26 00-0042	LF	22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	23.78	6.36
07 71 26 00-0043	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	24.21	6.36
07 71 26 00-0044		Copper Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0045		Copper Counter Flashing With Reglet (07 71 26 00-0044)		
07 71 26 00-0046	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	52.25	6.36

07 72 Roof Accessories (07 70)

07 72 13 Manufactured Curbs (07 72)

07 72 13 00-0001		Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13)		
		Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0002		Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0001) Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003		18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)		
07 72 13 00-0004		9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)		
07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,098.46 73.20 183.05 -40.18 6.29 30.64	293.14
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,114.02 74.76 186.16 -49.31 12.65 34.78	293.14
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,213.40 80.12 201.46 -60.27 17.18 32.68	329.78
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,273.03 86.08 213.38 -80.36 19.22 34.72	329.78
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,317.11 90.49 222.20 20.25 128.69 141.96	329.78
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,585.04 112.70 271.20 -133.32 -33.74 8.31	366.43
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,119.20 75.28 187.20 11.62 100.14 139.97	293.14
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,215.99 80.38 201.98 -76.69 16.24 53.86	329.78
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,249.70 83.75 208.72 -94.97 2.40 33.38	329.78
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,262.66 85.04 211.31 20.58 126.80 155.57	329.78
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,543.55 108.55 262.91 26.56 143.84 188.10	366.43
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,689.60 118.58 287.54 32.53 167.52 220.64	403.07
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,335.26 92.30 225.83 -98.62 -1.25 23.09	329.78

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,460.58	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	100.25	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	246.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-118.71	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-27.98	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	16.28	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,489.10	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	103.11	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	252.02	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-140.63	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	12.07	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,635.15	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	113.13	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	276.65	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-164.37	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-64.77	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	6.03	
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,757.88	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	120.82	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	296.61	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,901.34	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	130.59	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	320.72	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-226.45	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-87.05	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-11.79	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,489.10	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	103.11	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	252.02	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,606.63	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	110.28	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	270.94	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-171.66	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	5.36	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,755.28	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	120.56	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	296.09	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-222.80	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-114.38	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-50.20	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,781.21	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	123.16	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	301.28	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,929.87	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	133.44	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	326.43	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-281.26	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-170.61	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-28.96	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)

07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,132.17	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	76.57	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	189.79	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-40.18	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	6.29	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	30.64	
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,139.95	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	77.35	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	191.35	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-49.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	12.65	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	34.78	
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,239.32	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	82.71	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	206.64	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-60.27	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	17.18	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.68	
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,306.74	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	89.45	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	220.13	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-80.36	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	19.22	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	34.72	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,356.00 94.38 229.98 20.25 128.69 141.96	329.78
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,616.15 115.81 277.43 -133.32 -33.74 8.31	366.43
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,142.54 77.61 191.87 11.62 100.14 139.97	293.14
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,286.00 87.38 215.98 -76.69 16.24 53.86	329.78
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,337.85 92.56 226.35 -94.97 2.40 33.38	329.78
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,397.49 98.53 238.28 20.58 126.80 155.57	329.78
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,585.04 112.70 271.20 26.56 143.84 188.10	366.43
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,741.46 123.76 297.91 32.53 167.52 220.64	403.07
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,366.38 95.42 232.05 -98.62 -1.25 23.09	329.78
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,486.51 102.85 251.50 -118.71 -27.98 16.28	366.43
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,527.99 107.00 259.79 -140.63 -63.16 12.07	366.43
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,676.64 117.28 284.94 -164.37 -64.77 6.03	403.07
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,807.14 125.75 306.46 34.19 158.12 213.44	439.71
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,958.39 136.29 332.13 -226.45 -87.05 -11.79	476.35

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,527.99	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	107.00	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	259.79	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,648.12	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	114.43	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	279.24	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-171.66	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	5.36	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,799.36	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	124.97	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	304.91	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-222.80	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-114.38	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-50.20	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,833.07	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	128.34	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	311.65	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,986.91	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	139.15	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	337.84	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-281.26	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-170.61	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-28.96	

07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs
(07 72 13 00-0003)

07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,150.32	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	78.39	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	193.42	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-40.18	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	6.29	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	30.64	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,158.10	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	79.17	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	194.98	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-49.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	12.65	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	34.78	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,252.29	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	84.01	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	209.24	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-60.27	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	17.18	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.68	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,327.48	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	91.53	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	224.27	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-80.36	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	19.22	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	34.72	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,384.53	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	97.23	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	235.68	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,652.45	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	119.44	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	284.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-133.32	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-33.74	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	8.31	
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,158.10	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	79.17	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	194.98	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.14	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	139.97	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,252.29	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	84.01	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	209.24	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-76.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	16.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	53.86	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,384.53	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	97.23	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	235.68	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-94.97	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	2.40	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	33.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,446.76	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add		103.45	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		248.13	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		20.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		126.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		155.57	
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,616.15	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add		115.81	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		277.43	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		188.10	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,775.17	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add		127.13	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		304.65	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		32.53	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		167.52	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		220.64	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,387.12	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add		97.49	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		236.20	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		-98.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		-1.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		23.09	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,427.27	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add		96.92	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		239.65	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		-118.71	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		-27.98	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		16.28	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,553.92	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add		109.59	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		264.98	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		-140.63	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		-63.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		12.07	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,707.75	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add		120.39	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		291.17	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		-164.37	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		-64.77	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		6.03	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,838.26	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add		128.86	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		312.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		213.44	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,994.69	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add		139.92	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		339.39	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		-226.45	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		-87.05	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		-11.79	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,553.92	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add		109.59	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		264.98	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		184.34	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,676.64	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add		117.28	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		284.94	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		-171.66	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		-63.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		5.36	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,833.07	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add		128.34	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		311.65	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		-222.80	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		-114.38	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		-50.20	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	1,866.78	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add		131.71	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		318.39	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		40.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		148.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		259.58	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	.....	2,025.80	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add		143.04	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add		345.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add		-281.26	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add		-170.61	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add		-28.96	

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0077	9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)		
07 72 13 00-0078	EA 26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,069.94 70.35 177.35 -40.18 6.29 30.64	293.14
07 72 13 00-0079	EA 26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,103.64 73.72 184.09 -49.31 12.65 34.78	293.14
07 72 13 00-0080	EA 26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,260.07 84.78 210.79 -60.27 17.18 32.68	329.78
07 72 13 00-0081	EA 26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,337.85 92.56 226.35 -80.36 19.22 34.72	329.78
07 72 13 00-0082	EA 26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,394.90 98.27 237.76 20.25 128.69 141.96	329.78
07 72 13 00-0083	EA 26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,693.94 123.59 292.98 -133.32 -33.74 8.31	366.43
07 72 13 00-0084	EA 38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,165.87 79.94 196.53 11.62 100.14 139.97	293.14
07 72 13 00-0085	EA 38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,280.81 86.86 214.94 -76.69 16.24 53.86	329.78
07 72 13 00-0086	EA 38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,306.74 89.45 220.13 -94.97 2.40 33.38	329.78
07 72 13 00-0087	EA 38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,330.08 91.79 224.79 20.58 126.80 155.57	329.78
07 72 13 00-0088	EA 38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,631.71 117.37 280.54 26.56 143.84 188.10	366.43
07 72 13 00-0089	EA 38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,793.32 128.95 308.28 32.53 167.52 220.64	403.07
07 72 13 00-0090	EA 50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,397.49 98.53 238.28 -98.62 -1.25 23.09	329.78
07 72 13 00-0091	EA 50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,525.40 106.74 259.28 -118.71 -27.98 16.28	366.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,566.89	366.43	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	110.89		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	267.57		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-140.63		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.16		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	12.07		
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,723.31	403.07	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	121.95		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	294.28		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-164.37		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-64.77		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	6.03		
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,853.81	439.71	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	130.42		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	315.80		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44		
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	2,012.84	476.35	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	141.74		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	343.02		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-226.45		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-87.05		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-11.79		
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,566.89	366.43	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	110.89		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	267.57		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34		
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,689.60	403.07	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	118.58		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	287.54		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-171.66		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.24		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	5.36		
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,848.63	439.71	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	129.90		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	314.76		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-222.80		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-114.38		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-50.20		
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,884.93	439.71	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	133.53		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	322.02		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58		
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	2,046.55	476.35	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	145.11		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	349.77		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-281.26		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-170.61		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-28.96		
07 72 13 00-0101		12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)			
07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,093.27	293.14	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	72.68		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	182.01		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-40.18		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	6.29		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	30.64		
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,132.17	293.14	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	76.57		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	189.79		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-49.31		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	12.65		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	34.78		
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,298.96	329.78	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	88.67		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	218.57		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-60.27		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	17.18		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.68		
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,384.53	329.78	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	97.23		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	235.68		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-80.36		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	19.22		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	34.72		
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,454.53	329.78	
		For Sloped Roofs Up To 1 In 12 Pitch, Add	104.23		
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	249.68		
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25		
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69		
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,704.31	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	124.63	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	295.06	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-133.32	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-33.74	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	8.31	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,199.58	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	83.32	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	203.27	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.14	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	139.97	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,322.30	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	91.01	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	223.24	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-76.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	16.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	53.86	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,356.00	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	94.38	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	229.98	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-94.97	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	2.40	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	33.38	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,387.12	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	97.49	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	236.20	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,693.94	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	123.59	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	292.98	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,868.51	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	136.47	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	323.32	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.53	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	167.52	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	220.64	
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,444.16	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	103.19	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	247.61	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-98.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	23.09	
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,577.26	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	111.92	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	269.65	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-118.71	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-27.98	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	16.28	
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,626.52	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	116.85	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	279.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-140.63	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	12.07	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,785.54	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	128.17	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	306.72	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-164.37	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-64.77	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	6.03	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,926.42	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	137.68	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	330.32	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	2,095.81	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	150.04	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	359.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-226.45	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-87.05	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-11.79	
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,626.52	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	116.85	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	279.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0121	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,757.02	403.07
			For Sloped Roofs Up To 1 In 12 Pitch, Add	125.32	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	301.02	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-171.66	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.24	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	5.36	
07 72 13 00-0122	EA		62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,921.23	439.71
			For Sloped Roofs Up To 1 In 12 Pitch, Add	137.16	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	329.28	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-222.80	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-114.38	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-50.20	
07 72 13 00-0123	EA		62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,960.12	439.71
			For Sloped Roofs Up To 1 In 12 Pitch, Add	141.05	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	337.06	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	
07 72 13 00-0124	EA		62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	2,134.71	476.35
			For Sloped Roofs Up To 1 In 12 Pitch, Add	153.93	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	367.40	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-281.26	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-170.61	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-28.96	
07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0076)					
07 72 13 00-0126	EA		26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,111.42	293.14
			For Sloped Roofs Up To 1 In 12 Pitch, Add	74.50	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	185.64	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-40.18	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	6.29	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	30.64	
07 72 13 00-0127	EA		26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,152.91	293.14
			For Sloped Roofs Up To 1 In 12 Pitch, Add	78.65	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	193.94	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-49.31	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	12.65	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	34.78	
07 72 13 00-0128	EA		26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,322.30	329.78
			For Sloped Roofs Up To 1 In 12 Pitch, Add	91.01	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	223.24	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-60.27	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	17.18	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.68	
07 72 13 00-0129	EA		26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,415.64	329.78
			For Sloped Roofs Up To 1 In 12 Pitch, Add	100.34	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	241.91	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-80.36	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	19.22	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	34.72	
07 72 13 00-0130	EA		26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,493.43	329.78
			For Sloped Roofs Up To 1 In 12 Pitch, Add	108.12	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	257.46	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0131	EA		26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,787.28	366.43
			For Sloped Roofs Up To 1 In 12 Pitch, Add	132.92	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	311.65	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-133.32	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-33.74	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	8.31	
07 72 13 00-0132	EA		38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,225.51	293.14
			For Sloped Roofs Up To 1 In 12 Pitch, Add	85.91	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	208.46	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.62	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.14	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	139.97	
07 72 13 00-0133	EA		38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,366.38	329.78
			For Sloped Roofs Up To 1 In 12 Pitch, Add	95.42	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	232.05	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-76.69	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	16.24	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	53.86	
07 72 13 00-0134	EA		38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,413.05	329.78
			For Sloped Roofs Up To 1 In 12 Pitch, Add	100.08	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	241.39	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-94.97	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	2.40	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	33.38	
07 72 13 00-0135	EA		38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,423.42	329.78
			For Sloped Roofs Up To 1 In 12 Pitch, Add	101.12	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	243.46	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,740.61	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	128.26	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	302.32	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,920.37	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	141.65	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	333.69	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.53	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	167.52	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	220.64	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,475.28	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	106.31	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	253.83	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-98.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	23.09	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,509.15	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	105.11	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	256.03	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-118.71	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-27.98	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	16.28	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,665.42	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	120.74	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	287.28	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-140.63	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	12.07	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,832.21	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	132.84	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	316.06	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-164.37	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-64.77	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	6.03	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,973.09	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	142.35	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	339.65	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,152.86	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	155.74	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	371.03	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-226.45	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-87.05	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-11.79	
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,665.42	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	120.74	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	287.28	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,803.69	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	129.99	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	310.35	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-171.66	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	5.36	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,965.31	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	141.57	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	338.10	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-222.80	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-114.38	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-50.20	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,011.98	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	146.23	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	347.43	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,191.75	476.35
		For Sloped Roofs Up To 1 In 12 Pitch, Add	159.63	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	378.81	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-281.26	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-170.61	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	-28.96	

07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72

13 00-0001)

Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.

07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0151	EA		14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	1,053.85 68.74 174.13	293.14
07 72 13 00-0152	EA		23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	1,196.35 82.99 202.63	293.14
07 72 13 00-0153	EA		32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	1,367.20 95.50 232.22	329.78
07 72 13 00-0154	EA		41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	1,480.98 106.88 254.97	329.78
07 72 13 00-0155	EA		50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	1,638.76 118.07 281.95	366.43
07 72 13 00-0156			12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)		
07 72 13 00-0157	EA		14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	1,262.51 89.61 215.86	293.14
07 72 13 00-0158	EA		23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	1,455.91 108.95 254.54	293.14
07 72 13 00-0159	EA		32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	1,552.96 114.07 269.37	329.78
07 72 13 00-0160	EA		41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	1,625.67 121.34 283.91	329.78
07 72 13 00-0161	EA		50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	1,819.06 136.10 318.01	366.43
07 72 13 00-0162	EA		64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	2,800.60 229.68 509.74	403.07
07 72 13 00-0163			18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs (07 72 13 00-0149)		
07 72 13 00-0164	EA		17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	1,605.32 123.89 284.42	293.14
07 72 13 00-0165	EA		24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	1,803.07 143.66 323.97	293.14
07 72 13 00-0166	EA		31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add.....	2,129.51 171.73 384.68	329.78
07 72 13 00-0167			Wood, Prefabricated Roof Curbs (07 72 13) Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0168			Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0169			2 x 6 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)		
07 72 13 00-0170	EA		26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add..... For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add..... For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add..... For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add.....	912.11 54.57 145.78 -40.18 6.29 30.64	293.14
07 72 13 00-0171	EA		26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add..... For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add..... For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add..... For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add..... For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add.....	1,016.99 60.48 162.18 -60.27 17.18 32.68	329.78

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
07 72 13 00-0172	EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,074.53 66.23 173.68 20.25 128.69 141.96		329.78
07 72 13 00-0173	EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,067.89 65.57 172.36 -94.97 2.40 33.38		329.78
07 72 13 00-0174	EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,083.38 67.12 175.45 20.58 126.80 155.57		329.78
07 72 13 00-0175	EA 38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,212.61 75.46 196.72 26.56 143.84 188.10		366.43
07 72 13 00-0176	EA 50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,078.96 66.67 174.57 -98.62 -1.25 23.09		329.78
07 72 13 00-0177	EA 50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,232.53 77.45 200.70 -140.63 -63.16 12.07		366.43
07 72 13 00-0178	EA 51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,415.74 86.61 228.18 34.19 158.12 213.44		439.71
07 72 13 00-0179	EA 62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,192.69 73.47 192.73 27.22 100.25 184.34		366.43
07 72 13 00-0180	EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,310.85 80.70 211.79 -171.66 -63.24 5.36		403.07
07 72 13 00-0181	EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,460.00 91.04 237.04 40.50 148.93 259.58		439.71
07 72 13 00-0182	2 x 8 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)			
07 72 13 00-0183	EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	925.39 55.90 148.44 -40.18 6.29 30.64		293.14
07 72 13 00-0184	EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,032.48 62.03 165.27 -60.27 17.18 32.68		329.78
07 72 13 00-0185	EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,116.58 70.44 182.09 20.25 128.69 141.96		329.78
07 72 13 00-0186	EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,094.45 68.22 177.67 -94.97 2.40 33.38		329.78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0187	EA	38" x 74"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 07 72 13 00-0188	1,116.58 70.44 182.09 20.58 126.80 155.57 1,245.81 78.78 203.36 26.56 143.84 188.10	329.78 366.43
07 72 13 00-0189	EA	50" x 50"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 07 72 13 00-0190	1,103.30 69.11 179.44 -98.62 -1.25 23.09 1,263.51 80.55 206.90 -140.63 -63.16 12.07	329.78 366.43
07 72 13 00-0191	EA	51" x 99"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 07 72 13 00-0192	1,446.72 89.71 234.38 34.19 158.12 213.44 1,217.04 75.90 197.60 27.22 100.25 184.34	439.71 366.43
07 72 13 00-0193	EA	62-3/8" x 74-3/8"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 07 72 13 00-0194	1,339.62 83.58 217.54 -171.66 -63.24 5.36 1,490.98 94.13 243.23 40.50 148.93 259.58	403.07 439.71
07 72 13 00-0195	EA	26" x 26"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 07 72 13 00-0197	934.24 56.78 150.21 -40.18 6.29 30.64 1,047.97 63.57 168.37 -60.27 17.18 32.68	293.14 329.78
07 72 13 00-0198	EA	26" x 50"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 07 72 13 00-0199	1,121.00 70.88 182.98 20.25 128.69 141.96 1,109.94 69.77 180.77 -94.97 2.40 33.38	329.78 329.78
07 72 13 00-0200	EA	38" x 62"	Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 07 72 13 00-0201	1,136.49 72.43 186.08 20.58 126.80 155.57 1,267.94 80.99 207.78 26.56 143.84 188.10	329.78 366.43

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0202	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,118.79	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	70.66	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	182.54	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-98.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	23.09	
07 72 13 00-0203	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,283.43	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	82.54	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	210.88	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-140.63	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	12.07	
07 72 13 00-0204	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,466.64	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	91.70	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	238.36	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0205	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,232.53	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	77.45	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	200.70	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	
07 72 13 00-0206	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,357.32	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	85.35	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	221.08	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-171.66	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	5.36	
07 72 13 00-0207	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,513.11	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	96.35	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	247.66	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	

07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)

07 72 13 00-0209	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	945.31	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	57.89	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	152.42	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-40.18	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	6.29	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	30.64	
07 72 13 00-0210	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,056.82	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	64.46	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	170.14	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-60.27	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	17.18	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.68	
07 72 13 00-0211	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,140.92	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	72.87	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	186.96	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0212	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,158.62	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	74.64	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	190.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	
07 72 13 00-0213	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,292.28	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	83.42	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	212.65	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0214	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,138.71	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	72.65	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	186.52	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-98.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	23.09	
07 72 13 00-0215	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,305.56	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	84.75	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	215.31	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-140.63	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	12.07	
07 72 13 00-0216	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,493.19	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	94.36	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	243.67	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0217	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb.....	1,375.03	403.07
			For Sloped Roofs Up To 1 In 12 Pitch, Add	87.12	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	224.62	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-171.66	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.24	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	5.36	
07 72 13 00-0218			Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0167)		
07 72 13 00-0219			2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0220	EA		26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	929.82	293.14
			For Sloped Roofs Up To 1 In 12 Pitch, Add	56.34	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	149.32	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-40.18	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	6.29	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	30.64	
07 72 13 00-0221	EA		26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,032.48	329.78
			For Sloped Roofs Up To 1 In 12 Pitch, Add	62.03	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	165.27	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-60.27	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	17.18	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.68	
07 72 13 00-0222	EA		26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,103.30	329.78
			For Sloped Roofs Up To 1 In 12 Pitch, Add	69.11	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	179.44	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0223	EA		38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,087.81	329.78
			For Sloped Roofs Up To 1 In 12 Pitch, Add	67.56	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	176.34	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-94.97	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	2.40	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	33.38	
07 72 13 00-0224	EA		38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,107.72	329.78
			For Sloped Roofs Up To 1 In 12 Pitch, Add	69.55	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	180.32	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	
07 72 13 00-0225	EA		38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,239.17	366.43
			For Sloped Roofs Up To 1 In 12 Pitch, Add	78.11	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	202.03	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0226	EA		50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,098.87	329.78
			For Sloped Roofs Up To 1 In 12 Pitch, Add	68.66	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	178.55	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-98.62	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.25	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	23.09	
07 72 13 00-0227	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,256.87	366.43
			For Sloped Roofs Up To 1 In 12 Pitch, Add	79.88	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	205.57	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-140.63	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.16	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	12.07	
07 72 13 00-0228	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,440.08	439.71
			For Sloped Roofs Up To 1 In 12 Pitch, Add	89.04	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	233.05	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0229	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,219.25	366.43
			For Sloped Roofs Up To 1 In 12 Pitch, Add	76.12	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	198.05	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	
07 72 13 00-0230	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb.....	1,335.19	403.07
			For Sloped Roofs Up To 1 In 12 Pitch, Add	83.14	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	216.65	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-171.66	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.24	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	5.36	
07 72 13 00-0231	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,490.98	439.71
			For Sloped Roofs Up To 1 In 12 Pitch, Add	94.13	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	243.23	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	
07 72 13 00-0232			2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0233	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	945.31	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	57.89	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	152.42	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-40.18	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	6.29	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	30.64	
07 72 13 00-0234	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,050.19	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	63.80	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	168.82	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-60.27	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	17.18	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.68	
07 72 13 00-0235	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,129.85	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	71.76	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	184.75	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0236	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,114.36	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	70.21	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	181.65	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-94.97	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	2.40	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	33.38	
07 72 13 00-0237	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,143.13	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	73.09	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	187.40	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	
07 72 13 00-0238	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,279.00	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	82.10	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	210.00	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0239	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,129.85	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	71.76	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	184.75	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-98.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	23.09	
07 72 13 00-0240	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,294.49	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	83.65	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	213.09	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-140.63	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	12.07	
07 72 13 00-0241	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,482.13	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	93.25	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	241.46	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0242	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,248.02	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	79.00	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	203.80	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	
07 72 13 00-0243	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,368.39	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	86.46	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	223.29	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-171.66	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	5.36	
07 72 13 00-0244	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,528.60	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	97.90	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	250.76	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	

07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)

07 72 13 00-0246	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	958.59	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	59.22	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	155.08	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-40.18	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	6.29	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	30.64	
07 72 13 00-0247	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,067.89	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	65.57	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	172.36	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-60.27	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	17.18	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.68	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,156.41	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	74.42	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	190.06	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,134.28	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	72.21	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	185.63	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-94.97	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	2.40	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	33.38	
07 72 13 00-0250	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,169.69	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	75.75	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	192.72	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	
07 72 13 00-0251	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,307.77	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	84.97	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	215.75	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0252	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,149.77	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	73.75	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	188.73	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-98.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	23.09	
07 72 13 00-0253	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,318.84	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	86.08	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	217.96	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-140.63	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	12.07	
07 72 13 00-0254	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,508.68	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	95.90	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	246.77	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0255	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,270.15	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	81.21	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	208.23	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	27.22	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	100.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	184.34	
07 72 13 00-0256	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,392.73	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	88.89	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	228.16	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-171.66	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	5.36	
07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,557.37	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	100.77	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	256.51	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	40.50	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	148.93	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	259.58	
07 72 13 00-0258		2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)		
07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	985.14	293.14
		For Sloped Roofs Up To 1 In 12 Pitch, Add	61.87	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	160.39	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-40.18	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	6.29	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	30.64	
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,081.17	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	66.89	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	175.01	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-60.27	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	17.18	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	32.68	
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,176.33	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	76.41	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	194.04	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.25	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	128.69	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	141.96	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,191.82	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	77.96	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	197.14	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	20.58	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	126.80	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	155.57	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 13 00-0263	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,391.87	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	93.38	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	232.57	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.56	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	143.84	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	188.10	
07 72 13 00-0264	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,213.95	329.78
		For Sloped Roofs Up To 1 In 12 Pitch, Add	80.17	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	201.57	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-98.62	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-1.25	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	23.09	
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,396.29	366.43
		For Sloped Roofs Up To 1 In 12 Pitch, Add	93.83	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	233.45	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-140.63	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.16	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	12.07	
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,597.20	439.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	104.76	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	264.48	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	34.19	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	158.12	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	213.44	
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,474.61	403.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	97.08	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	244.54	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	-171.66	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	-63.24	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	5.36	

07 72 23 Relief Vents (07 72)

07 72 23 00-0001 Wind Driven Turbine Ventilators (07 72 23)
 Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)

07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	194.39	38.84
		For Curb Or Flange Base, Add	216.71	
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	233.46	43.01
		For Curb Or Flange Base, Add	238.18	
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	251.83	51.34
		For Curb Or Flange Base, Add	265.03	
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	485.34	56.88
		For Curb Or Flange Base, Add	426.50	
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	669.08	63.82
		For Curb Or Flange Base, Add	461.97	
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	807.60	69.37
		For Curb Or Flange Base, Add	501.48	
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,032.05	77.69
		For Curb Or Flange Base, Add	614.15	
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,706.01	104.05
		For Curb Or Flange Base, Add	1,007.30	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)

07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	180.42	38.84
		For Curb Or Flange Base, Add	217.26	
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	224.80	43.01
		For Curb Or Flange Base, Add	239.37	
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	251.88	51.34
		For Curb Or Flange Base, Add	265.87	
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	447.61	56.88
		For Curb Or Flange Base, Add	451.77	
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	577.33	63.82
		For Curb Or Flange Base, Add	483.06	
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	730.01	69.37
		For Curb Or Flange Base, Add	544.03	
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	985.33	77.69
		For Curb Or Flange Base, Add	656.60	
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,467.36	104.05
		For Curb Or Flange Base, Add	986.02	

07 72 23 00-0020 Stationary Siphon Ventilators (07 72 23)

Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)

07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	163.90	38.84
		For Curb Or Flange Base, Add	216.71	
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	216.02	43.01
		For Curb Or Flange Base, Add	238.18	
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	237.53	51.34
		For Curb Or Flange Base, Add	265.03	
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	407.08	56.88
		For Curb Or Flange Base, Add	426.50	
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	471.02	63.82
		For Curb Or Flange Base, Add	461.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0027	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	667.63	69.37
			For Curb Or Flange Base, Add	501.48	
07 72 23 00-0028	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	869.83	77.69
			For Curb Or Flange Base, Add	614.15	
07 72 23 00-0029	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	1,260.99	104.05
			For Curb Or Flange Base, Add	1,007.30	
07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators (07 72 23 00-0020)					
07 72 23 00-0031	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	173.48	38.84
			For Curb Or Flange Base, Add	217.26	
07 72 23 00-0032	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	228.95	43.01
			For Curb Or Flange Base, Add	239.37	
07 72 23 00-0033	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	255.36	51.34
			For Curb Or Flange Base, Add	265.87	
07 72 23 00-0034	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	414.93	56.88
			For Curb Or Flange Base, Add	451.77	
07 72 23 00-0035	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	521.82	63.82
			For Curb Or Flange Base, Add	483.06	
07 72 23 00-0036	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	639.79	69.37
			For Curb Or Flange Base, Add	544.03	
07 72 23 00-0037	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	915.97	77.69
			For Curb Or Flange Base, Add	656.60	
07 72 23 00-0038	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	1,378.69	104.05
			For Curb Or Flange Base, Add	986.02	
07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23)					
Note: Includes flange base and bird screen. Excludes curb.					
07 72 23 00-0040	EA		8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	354.06	62.43
			For Backdraft Damper, Add	188.42	
			For Curb Base, Add	277.42	
07 72 23 00-0041	EA		10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	437.21	69.37
			For Backdraft Damper, Add	206.15	
			For Curb Base, Add	303.43	
07 72 23 00-0042	EA		12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	494.06	83.25
			For Backdraft Damper, Add	281.52	
			For Curb Base, Add	384.96	
07 72 23 00-0043	EA		16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	603.53	91.57
			For Backdraft Damper, Add	321.42	
			For Curb Base, Add	446.28	
07 72 23 00-0044	EA		24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	1,617.77	124.87
			For Backdraft Damper, Add	403.43	
			For Curb Base, Add	587.40	
07 72 23 00-0045	EA		30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	1,976.66	144.29
			For Backdraft Damper, Add	476.58	
			For Curb Base, Add	702.42	
07 72 23 00-0046	EA		36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	2,697.16	166.48
			For Backdraft Damper, Add	476.58	
			For Curb Base, Add	730.00	
07 72 23 00-0047	EA		42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	3,798.05	180.36
			For Backdraft Damper, Add	498.75	
			For Curb Base, Add	756.11	
07 72 23 00-0048	EA		48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	5,473.06	194.23
			For Backdraft Damper, Add	554.16	
			For Curb Base, Add	850.93	
07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23)					
Note: Includes flange base and bird screen. Excludes curb.					
07 72 23 00-0050	EA		8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	683.92	69.37
07 72 23 00-0051	EA		12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	799.58	91.57
07 72 23 00-0052	EA		16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,153.06	124.87
07 72 23 00-0053	EA		24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,802.31	144.29
07 72 26 Ridge Vents (07 72)					
07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)					
07 72 26 00-0002	LF		Aluminum Ridge Vent Strips.....	16.35	4.03
07 72 26 00-0003	EA		Aluminum Ridge Univent Connectors.....	63.62	25.01
07 72 26 00-0004	EA		Aluminum Ridge Univent End Cap.....	59.15	25.01
07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)					
07 72 26 00-0006	LF		Galvanized Sheet Metal Ridge Vent Strips.....	15.25	4.30
07 72 29 Rafter Vent (07 72)					
07 72 29 00-0001 Rafter Vent (07 72 29)					
Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.					
07 72 29 00-0002	EA		22" x 4' Rafter Vent.....	11.58	
07 72 29 00-0003	EA		14" x 4' Rafter Vent.....	10.47	
07 72 33 Roof Hatches (07 72)					
Note: Includes curb with integral insulation, lockable hatch and gaskets.					

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

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TOTAL DIRECT DEMOLITION
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07 72 33 00-0001 Galvanized Steel Cover And Curb (07 72 33)			
07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch	1,513.34
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch	2,227.32
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch	3,941.35
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch	2,196.46
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	2,479.15
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	4,073.50
07 72 33 00-0008 Aluminum Cover And Curb (07 72 33)			
07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch	1,294.42
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch	1,673.77
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch	3,019.13
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch	1,635.09
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch	2,882.75
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	3,180.08
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight.....	1,826.33
07 72 33 00-0016 Steel, Plain, Primed (07 72 33)			
07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed	1,450.44
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed	1,966.05
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed	2,693.52
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed	1,825.03
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	2,239.51
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	3,043.07
07 72 33 00-0023 Stainless Steel (07 72 33)			
07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch	3,079.45
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch	5,885.46
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch	8,849.00
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch	4,724.68
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	9,975.95
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	11,175.90
07 72 33 00-0030 Removal And Reinstallation Of Roof Hatch (07 72 33)			
Note: Includes storage, cleaning and supply materials.			
07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch (All Types)	535.74
07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb (07 72 33)			
07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	1,255.31
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,634.66
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	2,917.45
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,603.80
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	2,796.70
07 72 33 00-0038 Roof Hatch Accessories (07 72 33)			
07 72 33 00-0039	EA	Enamel Steel, Roof Hatch Ladderup Safety Post	945.97
07 72 33 00-0040 Roof Hatch Safety Railing (07 72 33)			
Note: Included mounting bracket to attach to roof hatch			
07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,117.04
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,197.94
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,252.76
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,450.86
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,679.57
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,423.22
07 72 36 Smoke Vents (07 72)			
07 72 36 00-0001 Fire Vent (07 72 36)			
07 72 36 00-0002 Galvanized Steel Covers And Curb (07 72 36 00-0001)			
07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,980.22
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,574.18
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,215.49
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,317.50
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,179.73
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,569.43
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,935.14
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,899.94
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	9,811.32
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,563.70
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	13,843.48
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,559.32
07 72 36 00-0015 Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0001)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0016	EA		4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,776.27	161.36
07 72 36 00-0017	EA		4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,187.71	221.83
07 72 36 00-0018	EA		4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,585.59	242.03
07 72 36 00-0019	EA		4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,713.23	254.13
07 72 36 00-0020	EA		5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,602.28	221.83
07 72 36 00-0021	EA		5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,594.64	242.03
07 72 36 00-0022	EA		5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,914.27	262.23
07 72 36 00-0023	EA		5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,788.06	282.43
07 72 36 00-0024	EA		5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,711.25	302.51
07 72 36 00-0025	EA		5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,640.50	262.23
07 72 36 00-0026	EA		5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	8,790.90	322.71
07 72 36 00-0027	EA		6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,565.90	342.91
07 72 36 00-0028 Aluminum Covers And Curb (07 72 36 00-0001)					
07 72 36 00-0029	EA		4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,026.58	161.36
07 72 36 00-0030	EA		4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,602.28	221.83
07 72 36 00-0031	EA		4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,953.22	242.03
07 72 36 00-0032	EA		4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,182.56	254.13
07 72 36 00-0033	EA		5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,790.01	221.83
07 72 36 00-0034	EA		5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,790.19	242.03
07 72 36 00-0035	EA		5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,086.36	262.23
07 72 36 00-0036	EA		5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,257.39	282.43
07 72 36 00-0037	EA		5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	6,374.90	302.51
07 72 36 00-0038	EA		5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	4,859.52	262.23
07 72 36 00-0039	EA		5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	9,596.58	322.71
07 72 36 00-0040	EA		6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,035.22	342.91
07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb (07 72 36)					
07 72 36 00-0042	EA		4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,995.29	160.88
07 72 36 00-0043	EA		4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,797.82	221.83
07 72 36 00-0044	EA		4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,018.29	254.13
07 72 36 00-0045	EA		5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,306.27	221.83
07 72 36 00-0046	EA		5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,553.42	282.43
07 72 46 Roof Walkways (07 72)					
07 72 46 00-0001 Recycled Rubber Walkway Pads (07 72 46)					
07 72 46 00-0002	SF		3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	13.81	3.45
			<i>For Diamond Surface, Add</i>	1.16	
07 72 46 00-0003	SF		1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	15.35	4.14
			<i>For Diamond Surface, Add</i>	1.35	
07 72 46 00-0004	SF		3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	16.93	4.14
			<i>For Diamond Surface, Add</i>	1.51	
07 72 53 Snow Guards (07 72)					
07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs (07 72 53)					
07 72 53 00-0002	EA		6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs	26.38	3.56
07 72 53 00-0003	EA		6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	28.80	3.56
07 72 53 00-0004	EA		6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs	27.20	3.56
07 72 53 00-0005	EA		6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs	16.01	3.56
07 72 53 00-0006 Snow Guards For Metal Roofs (07 72 53)					
			Note: Aluminum construction.		
07 72 53 00-0007	EA		Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	30.04	4.96
07 72 53 00-0008	EA		Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	33.58	4.96
07 72 53 00-0009	EA		Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	50.34	4.96
07 72 53 00-0010	EA		Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	49.59	4.96
07 72 53 00-0011	EA		Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	46.20	5.79
07 72 53 00-0012	EA		Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	50.66	5.79
07 72 53 00-0013	EA		Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	63.76	5.79
07 72 53 00-0014	EA		Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	26.25	4.34
			<i>For Mechanically Fastened, Add</i>	8.69	
07 72 53 00-0015	EA		Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	29.93	4.34
			<i>For Mechanically Fastened, Add</i>	8.69	
07 72 53 00-0016	EA		Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	42.43	4.34
			<i>For Mechanically Fastened, Add</i>	8.69	
07 72 53 00-0017	EA		Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15)	14.54	4.34
			Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
			<i>For Mechanically Fastened, Add</i>	11.58	
07 72 53 00-0018 Snow Breaker For Roofs (07 72 53)					
07 72 53 00-0019	EA		Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	18.72	5.79
07 72 53 00-0020	EA		>50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	17.56	5.79
07 72 53 00-0021	EA		>150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	16.98	5.79
07 72 53 00-0022	EA		>500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	16.29	5.79

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

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TOTAL DIRECT DEMOLITION
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07 72 53 00-0023		Ice Breaker For Vents (07 72 53)		
07 72 53 00-0024	EA	Ice Breaker For Vents Up to 4", Mechanically Fastened.....	153.04	
07 72 53 00-0025	EA	Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened	175.77	
07 72 53 00-0026		Pipe Style, Snow Guards For Metal Roofs (07 72 53)		
07 72 53 00-0027		Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0026)		
		Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0028	EA	Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	71.66	17.37
07 72 53 00-0029	EA	Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	85.88	17.37
07 72 53 00-0030	EA	Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	97.24	17.37
07 72 53 00-0031	EA	Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	121.68	17.37
07 72 53 00-0032	EA	Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	124.94	20.85
07 72 53 00-0033		Tubing For Snow Guard Clamps (07 72 53 00-0026)		
07 72 53 00-0034	LF	1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	14.75	4.17
		Note: Includes end caps, collars and couplings.		
07 72 53 00-0035	LF	1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	29.85	4.17
		Note: Includes end caps, collars and couplings.		
07 72 56		Snow/Ice Melt Cable (07 72)		
07 72 56 00-0001		Self Regulating Heating Cable For Roofs And Gutters (07 72 56)		
07 72 56 00-0002	LF	12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters	17.63	1.29
		Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003	LF	12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters	18.96	1.29
		Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004	EA	Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	270.96	97.39
07 72 56 00-0005	EA	Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	206.92	71.42
07 72 56 00-0006	EA	Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	10.09	3.89
		For >5, Deduct	-0.78	
07 72 56 00-0007	EA	Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	9.47	3.89
		For >5, Deduct	-0.72	
07 72 56 00-0008	EA	Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters.....	68.21	9.74
07 72 56 00-0009	EA	120 Volt AC, Snow Switch, Automatic Control For Melting Snow	1,111.06	77.91
07 72 56 00-0010	EA	Automatic Gutter Ice Melting Control	1,524.84	97.39
07 72 63		Waste Containment Assemblies (07 72)		
07 72 63 00-0001		Rooftop Oil And Grease Containment System (07 72 63)		
07 72 63 00-0002		Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)		
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	3,331.57	285.97
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	3,710.35	285.97
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	4,530.91	297.41
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	4,509.26	297.41
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	5,863.56	321.71
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	4,602.41	321.71
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	5,138.38	381.19
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	7,535.27	476.56
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	9,310.61	476.56
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	11,746.30	476.56
07 72 63 00-0013		Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)		
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	4,072.99	285.97
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	4,565.56	285.97
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	5,618.86	297.41
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	5,716.31	297.41
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	8,120.64	321.71
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	8,894.65	321.71

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	8,299.37	381.19
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	9,364.74	476.56
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	11,675.93	476.56
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	14,842.32	476.56
07 72 63 00-0024		Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63) Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025		Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0026		Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0025)		
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	271.96	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	380.22	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	542.58	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	502.76	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	935.78	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	946.59	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	733.57	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	950.08	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E).....	1,388.50	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E).....	1,826.93	
07 72 63 00-0037		Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)		
07 72 63 00-0038		Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC).....	564.03	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC).....	748.07	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC).....	1,083.66	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC).....	1,011.35	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC).....	1,936.91	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC).....	1,947.73	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC).....	1,447.82	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC).....	1,951.20	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC).....	2,855.11	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC).....	3,796.91	
07 72 63 00-0049		Heavy-Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0037)		
07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C).....	699.36	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C).....	867.16	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C).....	1,267.68	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C).....	1,200.80	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C).....	2,332.03	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C).....	2,321.21	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C).....	1,696.82	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C).....	2,346.32	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C).....	3,288.12	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 72 Roof Accessories

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 72 63 00-0059 SET 144" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C).....4,570.93

07 72 73 Vegetated Roof Systems (07 72)

07 72 73 00-0001 Garden Roof System (07 72 73)
 Note: Excludes walkway pavers, shrubs and plants. See CSI section 32 92 00 00-0000 for turf and grasses, 32 93 00 00-0000 for plants.

07 72 73 00-0002 Fluid Applied Polyurethane (WhiteKnight) Waterproofing (07 72 73 00-0001)
 Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.

07 72 73 00-0003	SF	Up To 250 SF Fluid Applied Polyurethane Waterproofing	8.50	
07 72 73 00-0004	SF	>250 To 500 SF Fluid Applied Polyurethane Waterproofing	8.30	
07 72 73 00-0005	SF	>500 To 2,500 SF Fluid Applied Polyurethane Waterproofing	8.00	
07 72 73 00-0006	SF	>2,500 To 5,000 SF Fluid Applied Polyurethane Waterproofing	7.70	
07 72 73 00-0007	SF	>5,000 To 10,000 SF Fluid Applied Polyurethane Waterproofing	7.40	
07 72 73 00-0008	SF	>10,000 To 25,000 SF Fluid Applied Polyurethane Waterproofing	7.10	
07 72 73 00-0009	SF	>25,000 To 50,000 SF Fluid Applied Polyurethane Waterproofing	6.80	
07 72 73 00-0010	SF	>50,000 SF Fluid Applied Polyurethane Waterproofing	6.50	

07 72 73 00-0011 Filterdrain (Greenshield Filterdrain) (07 72 73 00-0001)

07 72 73 00-0012	SF	Up To 250 SF Filterdrain	3.00	
07 72 73 00-0013	SF	>250 To 500 SF Filterdrain	2.80	
07 72 73 00-0014	SF	>500 To 2,500 SF Filterdrain	2.60	
07 72 73 00-0015	SF	>2,500 To 5,000 SF Filterdrain	2.40	
07 72 73 00-0016	SF	>5,000 To 10,000 SF Filterdrain	2.20	
07 72 73 00-0017	SF	>10,000 To 25,000 SF Filterdrain	2.10	
07 72 73 00-0018	SF	>25,000 To 50,000 SF Filterdrain	2.05	
07 72 73 00-0019	SF	>50,000 SF Filterdrain	2.00	

07 72 73 00-0020 Soil (Greenshield Oasis) (07 72 73 00-0001)

07 72 73 00-0021	SF	Up To 250 SF Growing Media / Engineered Soil, 1" Depth	1.00	
07 72 73 00-0022	SF	>250 To 500 SF Growing Media / Engineered Soil, 1" Depth	0.85	
07 72 73 00-0023	SF	>500 To 2,500 SF Growing Media / Engineered Soil, 1" Depth	0.70	
07 72 73 00-0024	SF	>2,500 To 5,000 SF Growing Media / Engineered Soil, 1" Depth	0.70	
07 72 73 00-0025	SF	>5,000 To 10,000 SF Growing Media / Engineered Soil, 1" Depth	0.55	
07 72 73 00-0026	SF	>10,000 To 25,000 SF Growing Media / Engineered Soil, 1" Depth	0.50	
07 72 73 00-0027	SF	>25,000 To 50,000 SF Growing Media / Engineered Soil, 1" Depth	0.45	
07 72 73 00-0028	SF	>50,000 SF Growing Media / Engineered Soil, 1" Depth	0.40	

07 72 73 00-0029 Irrigation Topical And Controls (07 72 73 00-0001)

07 72 73 00-0030	SF	Up To 250 SF Irrigation Topical	15.00	
07 72 73 00-0031	SF	>250 To 500 SF Irrigation Topical	14.75	
07 72 73 00-0032	SF	>500 To 2,500 SF Irrigation Topical	9.50	
07 72 73 00-0033	SF	>2,500 To 5,000 SF Irrigation Topical	7.50	
07 72 73 00-0034	SF	>5,000 To 10,000 SF Irrigation Topical	5.50	
07 72 73 00-0035	SF	>10,000 To 25,000 SF Irrigation Topical	3.50	
07 72 73 00-0036	SF	>25,000 To 50,000 SF Irrigation Topical	2.50	
07 72 73 00-0037	SF	>50,000 SF Irrigation Topical	2.00	

07 73 Roof Protection Board (07 70)

07 73 00 00-0001 Roof Protection Board (07 73)
 Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)

07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.60	0.72
		For No Adhesive, Deduct	-0.99	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.18	0.79
		For No Adhesive, Deduct	-1.02	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.48	0.86
		For No Adhesive, Deduct	-1.04	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.66	0.72
		For No Adhesive, Deduct	-0.99	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.27	0.79
		For No Adhesive, Deduct	-1.02	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.57	0.86
		For No Adhesive, Deduct	-1.04	

07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)

07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.45	0.72
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0011	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.07	0.79
07 73 00 00-0012	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.39	0.86
07 73 00 00-0013	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.51	0.72
07 73 00 00-0014	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.16	0.79
07 73 00 00-0015	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.48	0.86
07 73 00 00-0016 Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) (07 73 00 00-0001)					
Note: Mechanically fastened to wood or steel.					
07 73 00 00-0017	SF		1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.40	0.72
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.34	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.56	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 73 00 00-0018	SF		1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.98	0.79
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.45	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.67	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 73 00 00-0019	SF		5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	5.28	0.86
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.53	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.75	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 73 00 00-0020	SF		1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.46	0.72
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.34	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.56	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 73 00 00-0021	SF		1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	5.07	0.79
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.45	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.67	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	
07 73 00 00-0022	SF		5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	5.37	0.86
			For Mechanically Fastened To Concrete, Add	1.90	
			For Mechanically Fastened To Gypsum, Add	2.43	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.79	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	3.53	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.94	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.20	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	4.75	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.42	

07 76 Roof Pavers (07 70)

07 76 16 Roof Decking Pavers (07 76)

07 76 16 00-0001 Roof Pavers (07 76 16)

Note: For walkway application over roofing system.

07 76 16 00-0002	SF		Up To 100 SF, 2" Concrete Roof Paver	14.07	8.97
			For 1-1/2" Thickness, Deduct	-1.41	
			For 2-1/2" Thickness, Add	1.52	
			For 3" Thickness, Add	3.05	

07 Thermal And Moisture Protection
07 70 Roof and Wall Specialties and Accessories
07 76 Roof Pavers

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	12.56	6.77
		For 1-1/2" Thickness, Deduct	-1.26	
		For 2-1/2" Thickness, Add	1.37	
		For 3" Thickness, Add	2.73	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	11.75	5.39
		For 1-1/2" Thickness, Deduct	-1.18	
		For 2-1/2" Thickness, Add	1.28	
		For 3" Thickness, Add	2.56	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	11.28	4.70
		For 1-1/2" Thickness, Deduct	-1.13	
		For 2-1/2" Thickness, Add	1.23	
		For 3" Thickness, Add	2.45	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	10.68	4.28
		For 1-1/2" Thickness, Deduct	-1.07	
		For 2-1/2" Thickness, Add	1.16	
		For 3" Thickness, Add	2.32	

07 76 16 00-0007 Roof Paver Pedestal (07 76 16)

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator).....	27.79	1.43
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	29.22	1.43
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	30.65	1.43
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	15.32	1.43
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16" High (Hanover Elevator)	14.09	1.43
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal).....	14.41	1.43
		Note: Stackable.		
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	8.06	1.43
		Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator).....	10.99	1.43
		Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		

07 76 19 Composite Insulation Concrete Protection Board (07 76)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board (07 76 19)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	6.61	
		For 20 Year Warranty, Deduct	-0.37	
		For 15 Year Warranty, Deduct	-0.75	
		For 10 Year Warranty, Deduct	-1.02	
		For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	8.55	
		For 20 Year Warranty, Deduct	-0.53	
		For 15 Year Warranty, Deduct	-1.07	
		For 10 Year Warranty, Deduct	-1.44	
		For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	10.07	
		For 20 Year Warranty, Deduct	-0.62	
		For 15 Year Warranty, Deduct	-1.24	
		For 10 Year Warranty, Deduct	-1.68	
		For Winds >90 MPH To 120 MPH Warranty, Add	0.10	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	12.11	
		For 20 Year Warranty, Deduct	-0.77	
		For 15 Year Warranty, Deduct	-1.56	
		For 10 Year Warranty, Deduct	-2.10	
		For Winds >90 MPH To 120 MPH Warranty, Add	0.10	

07 80 Fire and Smoke Protection (07)

07 81 Applied Fireproofing (07 80)

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing (07 81)

07 81 16 00-0001 Monokote Fireproofing (07 81 16)

07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness.....	2.31	0.83
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness	3.26	1.24

07 81 16 00-0004 Gunite Fireproofing (07 81 16)

07 81 16 00-0005	SF	1" Thick, Non-Reinforced, Gunite Fireproofing	3.73	0.85
07 81 16 00-0006	SF	1" Thick, Reinforced, Gunite Fireproofing	5.29	0.85

07 81 23 Intumescent Fireproofing (07 81)

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) (07 81 23)

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	18.13	
		For >10,000, Deduct	-1.74	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	29.10	
		For >10,000, Deduct	-2.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad
TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	11.80		
		For >10,000, Deduct	-1.10		
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	26.08		
		For >10,000, Deduct	-2.52		
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	58.97		
		For >10,000, Deduct	-5.80		
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	81.15		
		For >10,000, Deduct	-8.02		
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	103.35		
		For >10,000, Deduct	-10.23		
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	125.58		
		For >10,000, Deduct	-12.45		

07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad
TF) (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	23.76		
		For >10,000, Deduct	-2.29		
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	44.13		
		For >10,000, Deduct	-4.32		
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	70.02		
		For >10,000, Deduct	-6.91		
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	97.74		
		For >10,000, Deduct	-9.67		
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	123.63		
		For >10,000, Deduct	-12.26		

07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) (07 81 23)

07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) (07 81 23 00-0018)

Note: Excludes primer.

07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	11.53		
		For >10,000, Deduct	-1.10		
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	26.22		
		For >10,000, Deduct	-2.56		
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	60.05		
		For >10,000, Deduct	-5.94		
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	82.86		
		For >10,000, Deduct	-8.21		
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	105.69		
		For >10,000, Deduct	-10.49		

07 81 33 Mineral-Fiber Fireproofing (07 81)

07 81 33 00-0001 Cellulose Fireproofing (07 81 33)

07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.87		0.85
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07 84 Firestopping (07 80)

07 84 13 Penetration Firestopping (07 84)

07 84 13 16 Penetration Firestopping Devices (07 84 13)

07 84 13 16-0001 Firestopping Systems For Cable Penetrations (07 84 13 16)

07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations (07 84 13 16-0001)

Note: Includes putty, escutcheon plates, gaskets and bushings.

07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	70.23		
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	92.81		
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	147.74		

07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001)

Note: Includes pathway, putty and wall/floor mounting plates.

07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	124.02		
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	214.69		
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	389.60		

07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)

07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	279.67		
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	259.72		

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 84 13 16-0013 EA 4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD).....267.29

07 84 13 16-0014 Intumescent Firestopping Pipe Collar (07 84 13 16)

07 84 13 16-0015	EA	1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5).....	43.30	12.97
07 84 13 16-0016	EA	2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0).....	51.66	12.97
07 84 13 16-0017	EA	3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0).....	59.92	14.27
07 84 13 16-0018	EA	4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0).....	92.52	16.22
07 84 13 16-0019	EA	8" Intumescent Firestop Pipe Collar (Hilti CP644 8").....	442.16	19.46
07 84 13 16-0020	EA	10" Intumescent Firestop Pipe Collar (Hilti CP644 10").....	570.47	21.40

07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16)

Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.

07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9).....	187.59	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.				
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9).....	198.46	
Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.				
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH).....	385.40	
Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.				
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3).....	246.30	
Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.				

07 84 13 16-0026 Intumescent Firestopping Wrap Strips (07 84 13 16)

07 84 13 16-0027 LF 1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series).....6.58

07 84 13 19 Penetration Firestopping Caulk (07 84 13)

07 84 13 19-0001 Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) (07 84 13 19)

Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.

07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	27.30	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	33.49	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	33.25	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	32.85	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	38.65	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	38.40	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	38.01	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	37.39	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	36.86	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	46.79	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	46.56	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	46.15	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	45.53	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	45.01	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	43.77	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	63.41	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	59.10	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	58.70	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	58.07	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	57.55	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	56.31	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	54.69	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	84.72	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	84.28	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	83.57	
For Intumescent Sealant For Plastic Pipe, Add				
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	82.45	
For Intumescent Sealant For Plastic Pipe, Add				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0028	EA		4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	81.51	
			For Intumescent Sealant For Plastic Pipe, Add	5.48	
07 84 13 19-0029	EA		4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	74.16	
			For Intumescent Sealant For Plastic Pipe, Add	2.54	
07 84 13 19-0030	EA		4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	72.56	
			For Intumescent Sealant For Plastic Pipe, Add	1.90	
07 84 13 19-0031	EA		4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	70.10	
			For Intumescent Sealant For Plastic Pipe, Add	0.92	
07 84 13 19-0032	EA		6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	133.97	
			For Intumescent Sealant For Plastic Pipe, Add	15.62	
07 84 13 19-0033	EA		6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	133.53	
			For Intumescent Sealant For Plastic Pipe, Add	15.44	
07 84 13 19-0034	EA		6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	132.82	
			For Intumescent Sealant For Plastic Pipe, Add	15.16	
07 84 13 19-0035	EA		6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	131.71	
			For Intumescent Sealant For Plastic Pipe, Add	14.71	
07 84 13 19-0036	EA		6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	130.76	
			For Intumescent Sealant For Plastic Pipe, Add	14.33	
07 84 13 19-0037	EA		6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	128.52	
			For Intumescent Sealant For Plastic Pipe, Add	13.44	
07 84 13 19-0038	EA		6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	125.61	
			For Intumescent Sealant For Plastic Pipe, Add	12.27	
07 84 13 19-0039	EA		6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	121.21	
			For Intumescent Sealant For Plastic Pipe, Add	10.51	
07 84 13 19-0040	EA		6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	104.61	
			For Intumescent Sealant For Plastic Pipe, Add	3.87	
07 84 13 19-0041	EA		8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	176.91	
			For Intumescent Sealant For Plastic Pipe, Add	24.66	
07 84 13 19-0042	EA		8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	172.50	
			For Intumescent Sealant For Plastic Pipe, Add	22.90	
07 84 13 19-0043	EA		8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	163.66	
			For Intumescent Sealant For Plastic Pipe, Add	19.36	
07 84 13 19-0044	EA		8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	127.58	
			For Intumescent Sealant For Plastic Pipe, Add	4.93	
07 84 13 19-0045	EA		10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	223.83	
			For Intumescent Sealant For Plastic Pipe, Add	35.29	
07 84 13 19-0046	EA		10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	197.59	
			For Intumescent Sealant For Plastic Pipe, Add	24.80	
07 84 13 19-0047	EA		10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	151.29	
			For Intumescent Sealant For Plastic Pipe, Add	6.28	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations (07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA		1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.86	
07 84 13 19-0050	EA		1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.77	
07 84 13 19-0051	EA		1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.65	
07 84 13 19-0052	EA		2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.30	
07 84 13 19-0053	EA		2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.20	
07 84 13 19-0054	EA		2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.08	
07 84 13 19-0055	EA		2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.89	
07 84 13 19-0056	EA		2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.71	
07 84 13 19-0057	EA		2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.56	
07 84 13 19-0058	EA		2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.48	
07 84 13 19-0059	EA		2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.34	
07 84 13 19-0060	EA		2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.15	
07 84 13 19-0061	EA		2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.98	
07 84 13 19-0062	EA		2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.55	
07 84 13 19-0063	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	55.97	
07 84 13 19-0064	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	55.89	
07 84 13 19-0065	EA		3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	55.76	
07 84 13 19-0066	EA		3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	55.57	
07 84 13 19-0067	EA		3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	55.40	
07 84 13 19-0068	EA		3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	54.97	
07 84 13 19-0069	EA		3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	54.37	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**
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07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	71.03
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	70.94
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	70.81
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	70.60
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	70.40
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	69.97
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	69.43
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	68.58
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	102.37
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	102.28
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	102.15
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	101.96
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	101.79
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	101.36
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	100.77
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	99.97
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	98.22
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	127.02
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	126.21
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	124.46
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	119.52
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	152.43
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	147.48
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	140.94

07 84 16 Annular Space Firestopping Protection (07 84)**07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)****07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)**

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	40.39
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	56.36
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	59.07
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	61.79
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	64.50
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	80.48

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)

07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	16.76
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	17.32
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	16.29
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	17.36
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	16.94
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	16.36

07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)

07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	38.28
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	41.01
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	44.36

07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	358.16
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	497.69
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	667.38

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0024		Endothermic Mat Wrap Fire Barrier (07 84 16) Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	55.49	
07 84 16 00-0026		Firestopping Caulk For Filling Opening (07 84 16)		
07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	151.19	
07 84 16 00-0028		Firestopping Mortar For Filling Opening (07 84 16)		
07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	176.02	
07 84 23		Silicone Firestopping Foams (07 84)		
07 84 23 00-0001		Silicone RTV Foam Seal For Blank Openings (07 84 23) Note: Includes 7" depth of silicone foam barrier and 1" depth backer board		
07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	49.36	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	104.67	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	183.86	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	269.78	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	379.45	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam.....	509.51	
07 84 43		Joint Firestopping (07 84)		
07 84 43 00-0001		Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)		
07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	460.05	122.04
		For Up To 6 CLF, Add	25.35	
		For >30 CLF, Deduct	-27.70	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	507.04	122.04
		For Up To 4 CLF, Add	28.88	
		For >20 CLF, Deduct	-32.40	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	567.57	126.11
		For Up To 3 CLF, Add	33.08	
		For >15 CLF, Deduct	-37.77	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	591.06	126.11
		For Up To 2.5 CLF, Add	34.84	
		For >13 CLF, Deduct	-40.12	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	661.52	126.11
		For Up To 2 CLF, Add	40.12	
		For >10 CLF, Deduct	-47.17	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	731.98	126.11
		For Up To 1.5 CLF, Add	45.41	
		For >8 CLF, Deduct	-54.21	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	816.00	131.53
		For Up To 1.3 CLF, Add	51.37	
		For >7 CLF, Deduct	-61.94	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	769.02	131.53
		For Up To 1.4 CLF, Add	47.85	
		For >7.5 CLF, Deduct	-57.24	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	876.54	135.60
		For Up To 1.15 CLF, Add	55.57	
		For >6 CLF, Deduct	-67.31	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	970.48	135.60
		For Up To 1 CLF, Add	62.62	
		For >5 CLF, Deduct	-76.71	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	1,077.98	139.66
		For Up To 0.8 CLF, Add	70.34	
		For >4.5 CLF, Deduct	-86.78	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	1,185.49	145.09
		For Up To 0.75 CLF, Add	78.06	
		For >4 CLF, Deduct	-96.85	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	1,292.99	149.16
		For Up To 0.65 CLF, Add	85.79	
		For >3.5 CLF, Deduct	-106.93	
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	1,615.51	162.72
		For Up To 0.5 CLF, Add	108.96	
		For >2.5 CLF, Deduct	-137.14	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	169.10	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+).....	2,045.53	180.35
		For Up To 0.4 CLF, Add	139.85	
		For >2 CLF, Deduct	-177.43	
07 84 43 00-0017		Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) (07 84 43)		
07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	473.13	122.04
		For Up To 6 CLF, Add	26.33	
		For >30 CLF, Deduct	-29.01	
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	526.63	122.04
		For Up To 4 CLF, Add	30.34	
		For >20 CLF, Deduct	-34.36	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	593.70	126.11
		For Up To 3 CLF, Add	35.04	
		For >15 CLF, Deduct	-40.39	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**
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07 84 43 00-0021	CLF 3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	620.45	126.11
	For Up To 2.5 CLF, Add	37.04	
	For >13 CLF, Deduct	-43.06	
07 84 43 00-0022	CLF 3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	700.70	126.11
	For Up To 2 CLF, Add	43.06	
	For >10 CLF, Deduct	-51.09	
07 84 43 00-0023	CLF 3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	780.96	126.11
	For Up To 1.5 CLF, Add	49.08	
	For >8 CLF, Deduct	-59.11	
07 84 43 00-0024	CLF 3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	874.77	131.53
	For Up To 1.3 CLF, Add	55.78	
	For >7 CLF, Deduct	-67.82	
07 84 43 00-0025	CLF 1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	821.27	131.53
	For Up To 1.4 CLF, Add	51.76	
	For >7.5 CLF, Deduct	-62.47	
07 84 43 00-0026	CLF 1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	941.85	135.60
	For Up To 1.15 CLF, Add	60.47	
	For >6 CLF, Deduct	-73.84	
07 84 43 00-0027	CLF 1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	1,048.85	135.60
	For Up To 1 CLF, Add	68.49	
	For >5 CLF, Deduct	-84.54	
07 84 43 00-0028	CLF 1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	1,169.41	139.66
	For Up To 0.8 CLF, Add	77.20	
	For >4.5 CLF, Deduct	-95.92	
07 84 43 00-0029	CLF 1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	1,289.98	145.09
	For Up To 0.75 CLF, Add	85.90	
	For >4 CLF, Deduct	-107.30	
07 84 43 00-0030	CLF 3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	1,410.55	149.16
	For Up To 0.65 CLF, Add	94.60	
	For >3.5 CLF, Deduct	-118.68	
07 84 43 00-0031	CLF 3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	1,772.25	162.72
	For Up To 0.5 CLF, Add	120.71	
	For >2.5 CLF, Deduct	-152.82	
07 84 43 00-0032	CLF 1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series).....	2,254.52	180.35
	For Up To 0.4 CLF, Add	155.53	
	For >2 CLF, Deduct	-198.33	

07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) ^{(07 84}

07 84 43 00-0034	CLF 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	421.47	122.04
	For Up To 6 CLF, Add	22.46	
	For >30 CLF, Deduct	-23.84	
07 84 43 00-0035	CLF 1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	449.14	122.04
	For Up To 4 CLF, Add	24.53	
	For >20 CLF, Deduct	-26.61	
07 84 43 00-0036	CLF 1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	490.38	126.11
	For Up To 3 CLF, Add	27.29	
	For >15 CLF, Deduct	-30.05	
07 84 43 00-0037	CLF 3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	504.21	126.11
	For Up To 2.5 CLF, Add	28.32	
	For >13 CLF, Deduct	-31.44	
07 84 43 00-0038	CLF 3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	545.73	126.11
	For Up To 2 CLF, Add	31.44	
	For >10 CLF, Deduct	-35.59	
07 84 43 00-0039	CLF 3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	587.24	126.11
	For Up To 1.5 CLF, Add	34.55	
	For >8 CLF, Deduct	-39.74	
07 84 43 00-0040	CLF 3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	642.31	131.53
	For Up To 1.3 CLF, Add	38.34	
	For >7 CLF, Deduct	-44.57	
07 84 43 00-0041	CLF 1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	614.63	131.53
	For Up To 1.4 CLF, Add	36.27	
	For >7.5 CLF, Deduct	-41.80	
07 84 43 00-0042	CLF 1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	683.55	135.60
	For Up To 1.15 CLF, Add	41.10	
	For >6 CLF, Deduct	-48.01	
07 84 43 00-0043	CLF 1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	738.90	135.60
	For Up To 1 CLF, Add	45.25	
	For >5 CLF, Deduct	-53.55	
07 84 43 00-0044	CLF 1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	807.80	139.66
	For Up To 0.8 CLF, Add	50.08	
	For >4.5 CLF, Deduct	-59.76	
07 84 43 00-0045	CLF 1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	876.71	145.09
	For Up To 0.75 CLF, Add	54.91	
	For >4 CLF, Deduct	-65.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	.....	945.62	149.16
		For Up To 0.65 CLF, Add	.....	59.73	
		For >3.5 CLF, Deduct	.....	-72.19	
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	.....	1,152.34	162.72
		For Up To 0.5 CLF, Add	.....	74.22	
		For >2.5 CLF, Deduct	.....	-90.83	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	.....	1,427.98	180.35
		For Up To 0.4 CLF, Add	.....	93.54	
		For >2 CLF, Deduct	.....	-115.68	
07 84 43 00-0049 Elastomeric Spray Firestopping For Joints And Penetrations (07 84 43)					
07 84 43 00-0050	LF	1" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	0.95	
07 84 43 00-0051	LF	2" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	1.84	
07 84 43 00-0052	LF	3" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	2.64	
07 84 43 00-0053	LF	4" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	3.56	
07 84 43 00-0054	LF	5" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	4.42	
07 84 43 00-0055	LF	6" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	5.41	
07 84 43 00-0056	LF	1" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	1.89	
07 84 43 00-0057	LF	2" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	3.67	
07 84 43 00-0058	LF	3" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	5.28	
07 84 43 00-0059	LF	4" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	7.13	
07 84 43 00-0060	LF	5" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	8.84	
07 84 43 00-0061	LF	6" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	10.80	
07 84 43 00-0062	LF	1" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	3.78	
07 84 43 00-0063	LF	2" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	7.35	
07 84 43 00-0064	LF	3" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	10.56	
07 84 43 00-0065	LF	4" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	14.26	
07 84 43 00-0066	LF	5" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	17.69	
07 84 43 00-0067	LF	6" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	21.61	
07 84 43 00-0068	LF	1" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	7.58	
07 84 43 00-0069	LF	2" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	14.71	
07 84 43 00-0070	LF	3" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	21.11	
07 84 43 00-0071	LF	4" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	28.53	
07 84 43 00-0072	LF	5" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	35.39	
07 84 43 00-0073	LF	6" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	.....	43.24	
07 84 43 00-0074 Intumescent Firestopping Sealant For Joints (07 84 43)					
07 84 43 00-0075	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	454.68	122.04
		For Up To 6 CLF, Add	.....	24.95	
		For >30 CLF, Deduct	.....	-27.16	
07 84 43 00-0076	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	498.97	122.04
		For Up To 4 CLF, Add	.....	28.27	
		For >20 CLF, Deduct	.....	-31.59	
07 84 43 00-0077	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	556.81	126.11
		For Up To 3 CLF, Add	.....	32.27	
		For >15 CLF, Deduct	.....	-36.70	
07 84 43 00-0078	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	578.95	126.11
		For Up To 2.5 CLF, Add	.....	33.93	
		For >13 CLF, Deduct	.....	-38.91	
07 84 43 00-0079	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	645.37	126.11
		For Up To 2 CLF, Add	.....	38.91	
		For >10 CLF, Deduct	.....	-45.55	
07 84 43 00-0080	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	711.80	126.11
		For Up To 1.5 CLF, Add	.....	43.89	
		For >8 CLF, Deduct	.....	-52.20	
07 84 43 00-0081	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	791.78	131.53
		For Up To 1.3 CLF, Add	.....	49.55	
		For >7 CLF, Deduct	.....	-59.52	
07 84 43 00-0082	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	747.50	131.53
		For Up To 1.4 CLF, Add	.....	46.23	
		For >7.5 CLF, Deduct	.....	-55.09	
07 84 43 00-0083	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	.....	849.63	135.60
		For Up To 1.15 CLF, Add	.....	53.55	
		For >6 CLF, Deduct	.....	-64.62	

07 Thermal And Moisture Protection**07 80 Fire and Smoke Protection****07 84 Firestopping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 84 43 00-0084	CLF 1/2" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	938.20	135.60
	For Up To 1 CLF, Add	60.19	
	For >5 CLF, Deduct	-73.48	
07 84 43 00-0085	CLF 1/2" x 7/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	1,040.31	139.66
	For Up To 0.8 CLF, Add	67.51	
	For >4.5 CLF, Deduct	-83.01	
07 84 43 00-0086	CLF 1/2" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	1,142.44	145.09
	For Up To 0.75 CLF, Add	74.84	
	For >4 CLF, Deduct	-92.55	
07 84 43 00-0087	CLF 3/4" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	1,244.56	149.16
	For Up To 0.65 CLF, Add	82.16	
	For >3.5 CLF, Deduct	-102.08	
07 84 43 00-0088	CLF 3/4" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	1,550.93	162.72
	For Up To 0.5 CLF, Add	104.12	
	For >2.5 CLF, Deduct	-130.69	
07 84 43 00-0089	CLF 1" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series).....	1,959.43	180.35
	For Up To 0.4 CLF, Add	133.40	
	For >2 CLF, Deduct	-168.82	

07 84 56 Fire Safing (07 84)**07 84 56 13 Fibrous Fire Safing (07 84 56)****07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13)**

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF 1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A).....	11.18	
	For Work In Restricted Working Space, Add	1.58	
07 84 56 13-0003	SF 1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A).....	17.58	
	Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
	For Work In Restricted Working Space, Add	1.58	
07 84 56 13-0004	SF 2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A).....	19.11	
	Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
	For Work In Restricted Working Space, Add	1.58	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)

07 84 56 13-0006	SF 1/2" Thermal Ceramics FireMaster Blanket Wrap.....	22.40	13.65
	For Work In Restricted Working Space, Add	5.48	
	For >500 To 5,000, Deduct	-1.86	
	For >5,000, Deduct	-3.35	
07 84 56 13-0007	SF 1" Thermal Ceramics FireMaster Blanket Wrap.....	25.82	13.65
	For Work In Restricted Working Space, Add	5.48	
	For >500 To 5,000, Deduct	-2.65	
	For >5,000, Deduct	-4.62	
07 84 56 13-0008	SF 1-1/2" Thermal Ceramics FireMaster Blanket Wrap.....	29.56	13.65
	For Work In Restricted Working Space, Add	5.48	
	For >500 To 5,000, Deduct	-3.51	
	For >5,000, Deduct	-6.00	
07 84 56 13-0009	SF 2" Thermal Ceramics FireMaster Blanket Wrap.....	33.31	13.65
	For Work In Restricted Working Space, Add	5.48	
	For >500 To 5,000, Deduct	-4.37	
	For >5,000, Deduct	-7.39	

07 90 Joint Protection (07)**07 91 Preformed Joint Seals (07 90)****07 91 23 Backer Rods (07 91)****07 91 23 00-0001 Backer Rods (07 91 23)**

07 91 23 00-0002	LF 1/4" Polyethylene Or Polyurethane Backer Rod.....	2.61	0.71
07 91 23 00-0003	LF 3/8" Polyethylene Or Polyurethane Backer Rod.....	2.81	0.71
07 91 23 00-0004	LF 1/2" Polyethylene Or Polyurethane Backer Rod.....	3.14	0.71
07 91 23 00-0005	LF 5/8" Polyethylene Or Polyurethane Backer Rod.....	3.67	0.71
07 91 23 00-0006	LF 3/4" Polyethylene Or Polyurethane Backer Rod.....	3.83	0.85
07 91 23 00-0007	LF 7/8" Polyethylene Or Polyurethane Backer Rod.....	4.28	0.85
07 91 23 00-0008	LF 1" Polyethylene Or Polyurethane Backer Rod.....	5.45	0.85
07 91 23 00-0009	LF 1-1/4" Polyethylene Or Polyurethane Backer Rod.....	6.57	0.99
07 91 23 00-0010	LF 1-1/2" Polyethylene Or Polyurethane Backer Rod.....	7.82	1.13
07 91 23 00-0011	LF 2" Polyethylene Or Polyurethane Backer Rod.....	10.78	1.28
07 91 23 00-0012	LF 3" Polyethylene Or Polyurethane Backer Rod.....	22.41	1.57

07 91 26 Joint Fillers (07 91)**07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)**

07 91 26 00-0002	LF 1/4" x 1/4" Butyl Rubber Filler.....	3.24	0.85
	For Custom Match Coloring, Add	0.06	
07 91 26 00-0003	LF 1/2" x 1/2" Butyl Rubber Filler.....	9.75	2.42
	For Custom Match Coloring, Add	0.22	
07 91 26 00-0004	LF 1/2" x 3/4" Butyl Rubber Filler.....	11.79	2.56
	For Custom Match Coloring, Add	0.35	
07 91 26 00-0005	LF 3/4" x 3/4" Butyl Rubber Filler.....	12.81	2.71
07 91 26 00-0006	LF 1" x 1" Butyl Rubber Filler.....	17.11	4.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0007			Closed Cell Neoprene (07 91 26)		
07 91 26 00-0008	CLF		1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	562.91	164.25
07 91 26 00-0009	CLF		1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	883.66	237.27
07 91 26 00-0010	CLF		1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	716.05	203.39
07 91 26 00-0011	CLF		1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	809.76	213.49
07 91 26 00-0012	CLF		1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	1,236.92	328.50
07 91 26 00-0013	CLF		1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	1,401.22	355.82
07 91 26 00-0014	CLF		1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	1,220.80	258.76
07 91 26 00-0015			Closed Cell Polyvinyl Chloride (07 91 26)		
07 91 26 00-0016	CLF		1/8" x 3" Polyethylene Joint Backing, Closed Cell	583.71	203.39
07 91 26 00-0017	CLF		1/8" x 6" Polyethylene Joint Backing, Closed Cell	1,008.44	328.50
07 91 26 00-0018	CLF		1/4" x 3" Polyethylene Joint Backing, Closed Cell	769.19	280.39
07 91 26 00-0019	CLF		1/4" x 6" Polyethylene Joint Backing, Closed Cell	941.47	296.05
07 91 26 00-0020	CLF		1/2" x 6" Polyethylene Joint Backing, Closed Cell	1,432.17	454.03
07 91 26 00-0021	CLF		1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,690.05	492.74
07 91 26 00-0022	CLF		1/2" x 12" Polyethylene Joint Backing, Closed Cell	2,259.90	590.66
07 91 26 00-0023			Silicon RTV Foam Penetration Seal (07 91 26)		
07 91 26 00-0024	CLF		1/4" x 1/2" Silicon RTV Foam Seal	173.09	32.60
07 91 26 00-0025	CLF		1/2" x 1/2" Silicon RTV Foam Seal	346.17	65.04
07 91 26 00-0026	CLF		1/2" x 3/4" Silicon RTV Foam Seal	515.58	96.65
07 91 26 00-0027	CLF		3/4" x 3/4" Silicon RTV Foam Seal	724.70	130.23
07 91 26 00-0028	CLF		1/8" x 1" Silicon RTV Foam Seal	173.09	32.60
07 91 26 00-0029	CLF		1/8" x 3" Silicon RTV Foam Seal	515.00	96.36
07 91 26 00-0030	CLF		1/4" x 3" Silicon RTV Foam Seal	869.83	144.74
07 91 26 00-0031	CLF		1/4" x 6" Silicon RTV Foam Seal	1,737.09	288.50
07 91 26 00-0032	CLF		1/2" x 6" Silicon RTV Foam Seal	3,278.11	520.79
07 91 26 00-0033	CLF		1/2" x 9" Silicon RTV Foam Seal	5,021.84	813.55
07 91 26 00-0034	CLF		1/2" x 12" Silicon RTV Foam Seal	7,440.88	1,301.74
07 91 26 00-0035			Seals O-Ring Type Cord "J-Seal" (07 91 26)		
07 91 26 00-0036	LF		1/4" Seals O-Ring Cord, J-Seal	6.09	1.85
07 91 26 00-0037	LF		1/2" Seals O-Ring Cord, J-Seal	6.45	1.85
07 91 26 00-0038	LF		3/4" Seals O-Ring Cord, J-Seal	6.77	2.01
07 91 26 00-0039	LF		1" Seals O-Ring Cord, J-Seal	7.13	2.15
07 91 26 00-0040	LF		1-1/4" Seals O-Ring Cord, J-Seal	7.62	2.29
07 91 26 00-0041	LF		1-1/2" Seals O-Ring Cord, J-Seal	7.96	2.29
07 91 26 00-0042	LF		1-3/4" Seals O-Ring Cord, J-Seal	8.39	2.43
07 91 26 00-0043	LF		2" Seals O-Ring Cord, J-Seal	8.64	2.43
07 91 33			Expansion Joint Seal Systems (07 91)		
07 91 33 00-0001			Expansion Joint Seal Systems (Wabo®) (07 91 33)		
07 91 33 00-0002			Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)		
Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.					
07 91 33 00-0003	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	99.80	8.59
07 91 33 00-0004	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	133.42	9.01
07 91 33 00-0005	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	168.89	9.41
07 91 33 00-0006	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	208.34	9.83
07 91 33 00-0007	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	270.20	10.24
07 91 33 00-0008	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	310.33	10.64
07 91 33 00-0009	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	360.10	11.06
07 91 33 00-0010			Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)		
Note: Includes preformed neoprene joint seal and lubricant adhesive.					
07 91 33 00-0011	LF		0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	51.15	8.59
07 91 33 00-0012	LF		0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	55.81	8.72
07 91 33 00-0013	LF		0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	67.43	8.85
07 91 33 00-0014	LF		0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	71.55	9.01
07 91 33 00-0015	LF		1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	76.44	9.13
07 91 33 00-0016	LF		1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	93.66	9.25
07 91 33 00-0017	LF		1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	115.49	9.41

07 Thermal And Moisture Protection**07 90 Joint Protection****07 91 Preformed Joint Seals**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	136.57	9.83
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500).....	154.59	10.24

07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal)

(07 91 33 00-0001)

Note: Includes preformed Santoprene® joint seal and lubricant adhesive.

07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	42.86	8.59
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	55.64	9.01
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	68.22	9.41
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	72.03	9.62
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	79.88	9.83
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	114.49	10.24
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	157.31	10.64

07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal)

(07 91 33 00-0001)

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	36.84	3.42
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	61.76	3.55
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	92.96	3.69
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	117.21	3.82
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	154.22	3.95
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	204.02	4.09
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	250.22	4.23
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	337.44	4.37
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	393.94	4.50

07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II)

(07 91 33 00-0001)

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	35.95	3.42
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	47.42	3.55
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	63.61	3.69
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	86.28	3.82
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	98.43	3.95
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	136.58	4.09
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	183.45	4.23
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	198.07	4.37

07 92 Joint Sealants

(07 90)

07 92 13 Elastomeric Joint Sealants

(07 92)

07 92 13 00-0001 Silicone Sealants And Caulking

(07 92 13)

07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking.....	421.40	122.04
		For Custom Match Coloring, Add	13.27	
		For Up To 6 CLF, Add	22.45	
		For >30 CLF, Deduct	-23.83	
		For 1 Part Mildew Resistant, Add	19.35	
		For High-Modulus Non-Acid Curing, Add	11.06	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking.....	449.05	122.04
		For Custom Match Coloring, Add	19.90	
		For Up To 4 CLF, Add	24.53	
		For >20 CLF, Deduct	-26.60	
		For 1 Part Mildew Resistant, Add	29.03	
		For High-Modulus Non-Acid Curing, Add	16.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0004			CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking.....	490.25	126.11
			For Custom Match Coloring, Add	26.54	
			For Up To 3 CLF, Add	27.28	
			For >15 CLF, Deduct	-30.04	
			For 1 Part Mildew Resistant, Add	38.70	
			For High-Modulus Non-Acid Curing, Add	22.11	
07 92 13 00-0005			CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking.....	504.07	126.11
			For Custom Match Coloring, Add	29.85	
			For Up To 2.5 CLF, Add	28.31	
			For >13 CLF, Deduct	-31.42	
			For 1 Part Mildew Resistant, Add	43.54	
			For High-Modulus Non-Acid Curing, Add	24.88	
07 92 13 00-0006			CLF 3/8" x 1/2" Joint, Silicone Sealant And Caulking.....	545.53	126.11
			For Custom Match Coloring, Add	39.80	
			For Up To 2 CLF, Add	31.42	
			For >10 CLF, Deduct	-35.57	
			For 1 Part Mildew Resistant, Add	58.05	
			For High-Modulus Non-Acid Curing, Add	33.17	
07 92 13 00-0007			CLF 3/8" x 5/8" Joint, Silicone Sealant And Caulking.....	587.00	126.11
			For Custom Match Coloring, Add	49.76	
			For Up To 1.5 CLF, Add	34.53	
			For >8 CLF, Deduct	-39.72	
			For 1 Part Mildew Resistant, Add	72.56	
			For High-Modulus Non-Acid Curing, Add	41.46	
07 92 13 00-0008			CLF 3/8" x 3/4" Joint, Silicone Sealant And Caulking.....	642.02	131.53
			For Custom Match Coloring, Add	59.71	
			For Up To 1.3 CLF, Add	38.32	
			For >7 CLF, Deduct	-44.54	
			For 1 Part Mildew Resistant, Add	87.07	
			For High-Modulus Non-Acid Curing, Add	49.76	
07 92 13 00-0009			CLF 1/2" x 1/2" Joint, Silicone Sealant And Caulking.....	614.38	131.53
			For Custom Match Coloring, Add	53.07	
			For Up To 1.4 CLF, Add	36.25	
			For >7.5 CLF, Deduct	-41.78	
			For 1 Part Mildew Resistant, Add	77.40	
			For High-Modulus Non-Acid Curing, Add	44.23	
07 92 13 00-0010			CLF 1/2" x 5/8" Joint, Silicone Sealant And Caulking.....	683.23	135.60
			For Custom Match Coloring, Add	66.34	
			For Up To 1.15 CLF, Add	41.07	
			For >6 CLF, Deduct	-47.98	
			For 1 Part Mildew Resistant, Add	96.75	
			For High-Modulus Non-Acid Curing, Add	55.28	
07 92 13 00-0011			CLF 1/2" x 3/4" Joint, Silicone Sealant And Caulking.....	738.52	135.60
			For Custom Match Coloring, Add	79.61	
			For Up To 1 CLF, Add	45.22	
			For >5 CLF, Deduct	-53.51	
			For 1 Part Mildew Resistant, Add	116.10	
			For High-Modulus Non-Acid Curing, Add	66.34	
07 92 13 00-0012			CLF 1/2" x 7/8" Joint, Silicone Sealant And Caulking.....	807.35	139.66
			For Custom Match Coloring, Add	92.88	
			For Up To 0.8 CLF, Add	50.04	
			For >4.5 CLF, Deduct	-59.72	
			For 1 Part Mildew Resistant, Add	135.45	
			For High-Modulus Non-Acid Curing, Add	77.40	
07 92 13 00-0013			CLF 1/2" x 1" Joint, Silicone Sealant And Caulking.....	876.19	145.09
			For Custom Match Coloring, Add	106.14	
			For Up To 0.75 CLF, Add	54.87	
			For >4 CLF, Deduct	-65.92	
			For 1 Part Mildew Resistant, Add	154.79	
			For High-Modulus Non-Acid Curing, Add	88.45	
07 92 13 00-0014			CLF 3/4" x 3/4" Joint, Silicone Sealant And Caulking.....	945.04	149.16
			For Custom Match Coloring, Add	119.41	
			For Up To 0.65 CLF, Add	59.69	
			For >3.5 CLF, Deduct	-72.13	
			For 1 Part Mildew Resistant, Add	174.15	
			For High-Modulus Non-Acid Curing, Add	99.51	
07 92 13 00-0015			CLF 3/4" x 1" Joint, Silicone Sealant And Caulking.....	1,151.57	162.72
			For Custom Match Coloring, Add	159.22	
			For Up To 0.5 CLF, Add	74.16	
			For >2.5 CLF, Deduct	-90.75	
			For 1 Part Mildew Resistant, Add	232.19	
			For High-Modulus Non-Acid Curing, Add	132.68	
07 92 13 00-0016			CLF 1" x 1" Joint, Silicone Sealant And Caulking.....	1,426.95	180.35
			For Custom Match Coloring, Add	212.29	
			For Up To 0.4 CLF, Add	93.46	
			For >2 CLF, Deduct	-115.58	
			For 1 Part Mildew Resistant, Add	309.59	
			For High-Modulus Non-Acid Curing, Add	176.91	
07 92 13 00-0017			Acrylic/Latex Sealant And Caulking (07 92 13)		
07 92 13 00-0018			CLF 1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking.....	385.52	122.04
			For Up To 6 CLF, Add	19.76	
			For >30 CLF, Deduct	-20.25	
07 92 13 00-0019			CLF 1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking.....	395.21	122.04
			For Up To 4 CLF, Add	20.49	
			For >20 CLF, Deduct	-21.22	
07 92 13 00-0020			CLF 1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking.....	418.47	126.11
			For Up To 3 CLF, Add	21.89	
			For >15 CLF, Deduct	-22.86	

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

07 92 13 00-0021	CLF 3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	423.32	126.11
	For Up To 2.5 CLF, Add	22.26	
	For >13 CLF, Deduct	-23.35	
07 92 13 00-0022	CLF 3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	437.87	126.11
	For Up To 2 CLF, Add	23.35	
	For >10 CLF, Deduct	-24.80	
07 92 13 00-0023	CLF 3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	452.41	126.11
	For Up To 1.5 CLF, Add	24.44	
	For >8 CLF, Deduct	-26.26	
07 92 13 00-0024	CLF 3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	480.52	131.53
	For Up To 1.3 CLF, Add	26.21	
	For >7 CLF, Deduct	-28.39	
07 92 13 00-0025	CLF 1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	470.82	131.53
	For Up To 1.4 CLF, Add	25.48	
	For >7.5 CLF, Deduct	-27.42	
07 92 13 00-0026	CLF 1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	503.79	135.60
	For Up To 1.15 CLF, Add	27.61	
	For >6 CLF, Deduct	-30.04	
07 92 13 00-0027	CLF 1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	523.18	135.60
	For Up To 1 CLF, Add	29.07	
	For >5 CLF, Deduct	-31.98	
07 92 13 00-0028	CLF 1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	556.13	139.66
	For Up To 0.8 CLF, Add	31.20	
	For >4.5 CLF, Deduct	-34.60	
07 92 13 00-0029	CLF 1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	589.08	145.09
	For Up To 0.75 CLF, Add	33.33	
	For >4 CLF, Deduct	-37.21	
07 92 13 00-0030	CLF 3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	622.04	149.16
	For Up To 0.65 CLF, Add	35.47	
	For >3.5 CLF, Deduct	-39.83	
07 92 13 00-0031	CLF 3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	720.91	162.72
	For Up To 0.5 CLF, Add	41.86	
	For >2.5 CLF, Deduct	-47.68	
07 92 13 00-0032	CLF 1" x 1" Joint, Acrylic/Latex Sealant And Caulking	852.73	180.35
	For Up To 0.4 CLF, Add	50.39	
	For >2 CLF, Deduct	-58.15	

07 92 13 00-0033 Polyurethane Sealant And Caulking (07 92 13)

Note: 1 or 2 part, non-sag.

07 92 13 00-0034	CLF 1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	408.52	122.04
	For Up To 6 CLF, Add	21.49	
	For >30 CLF, Deduct	-22.55	
07 92 13 00-0035	CLF 1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	429.72	122.04
	For Up To 4 CLF, Add	23.08	
	For >20 CLF, Deduct	-24.67	
07 92 13 00-0036	CLF 1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	464.48	126.11
	For Up To 3 CLF, Add	25.34	
	For >15 CLF, Deduct	-27.46	
07 92 13 00-0037	CLF 3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	475.08	126.11
	For Up To 2.5 CLF, Add	26.14	
	For >13 CLF, Deduct	-28.52	
07 92 13 00-0038	CLF 3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	506.88	126.11
	For Up To 2 CLF, Add	28.52	
	For >10 CLF, Deduct	-31.70	
07 92 13 00-0039	CLF 3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	538.68	126.11
	For Up To 1.5 CLF, Add	30.91	
	For >8 CLF, Deduct	-34.88	
07 92 13 00-0040	CLF 3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	584.04	131.53
	For Up To 1.3 CLF, Add	33.97	
	For >7 CLF, Deduct	-38.74	
07 92 13 00-0041	CLF 1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	562.84	131.53
	For Up To 1.4 CLF, Add	32.38	
	For >7.5 CLF, Deduct	-36.62	
07 92 13 00-0042	CLF 1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	618.82	135.60
	For Up To 1.15 CLF, Add	36.24	
	For >6 CLF, Deduct	-41.54	
07 92 13 00-0043	CLF 1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	661.22	135.60
	For Up To 1 CLF, Add	39.42	
	For >5 CLF, Deduct	-45.78	
07 92 13 00-0044	CLF 1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	717.17	139.66
	For Up To 0.8 CLF, Add	43.28	
	For >4.5 CLF, Deduct	-50.70	
07 92 13 00-0045	CLF 1/2" x 1" Joint, Polyurethane Sealant And Caulking	773.13	145.09
	For Up To 0.75 CLF, Add	47.14	
	For >4 CLF, Deduct	-55.62	
07 92 13 00-0046	CLF 3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	829.09	149.16
	For Up To 0.65 CLF, Add	50.99	
	For >3.5 CLF, Deduct	-60.54	
07 92 13 00-0047	CLF 3/4" x 1" Joint, Polyurethane Sealant And Caulking	996.97	162.72
	For Up To 0.5 CLF, Add	62.57	
	For >2.5 CLF, Deduct	-75.29	

07 92 13 00-0048 Flexible Polysulfide Sealant And Caulking, Clear (07 92 13)

Note: 1 or 2 part, non-sag.

07 92 13 00-0049	CLF 1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	412.54	122.04
	For Up To 6 CLF, Add	21.79	
	For >30 CLF, Deduct	-22.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0050	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	.....	435.78	122.04
		For Up To 4 CLF, Add	.....	23.53	
		For >20 CLF, Deduct	.....	-25.27	
07 92 13 00-0051	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	.....	472.55	126.11
		For Up To 3 CLF, Add	.....	25.95	
		For >15 CLF, Deduct	.....	-28.27	
07 92 13 00-0052	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	.....	484.16	126.11
		For Up To 2.5 CLF, Add	.....	26.82	
		For >13 CLF, Deduct	.....	-29.43	
07 92 13 00-0053	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	.....	519.00	126.11
		For Up To 2 CLF, Add	.....	29.43	
		For >10 CLF, Deduct	.....	-32.92	
07 92 13 00-0054	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	.....	553.81	126.11
		For Up To 1.5 CLF, Add	.....	32.04	
		For >8 CLF, Deduct	.....	-36.40	
07 92 13 00-0055	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	.....	602.19	131.53
		For Up To 1.3 CLF, Add	.....	35.33	
		For >7 CLF, Deduct	.....	-40.56	
07 92 13 00-0056	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	.....	578.98	131.53
		For Up To 1.4 CLF, Add	.....	33.59	
		For >7.5 CLF, Deduct	.....	-38.24	
07 92 13 00-0057	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	.....	639.00	135.60
		For Up To 1.15 CLF, Add	.....	37.75	
		For >6 CLF, Deduct	.....	-43.56	
07 92 13 00-0058	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	.....	685.42	135.60
		For Up To 1 CLF, Add	.....	41.24	
		For >5 CLF, Deduct	.....	-48.20	
07 92 13 00-0059	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	.....	745.42	139.66
		For Up To 0.8 CLF, Add	.....	45.40	
		For >4.5 CLF, Deduct	.....	-53.52	
07 92 13 00-0060	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	.....	805.40	145.09
		For Up To 0.75 CLF, Add	.....	49.56	
		For >4 CLF, Deduct	.....	-58.84	
07 92 13 00-0061	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	.....	865.41	149.16
		For Up To 0.65 CLF, Add	.....	53.72	
		For >3.5 CLF, Deduct	.....	-64.17	
07 92 13 00-0062	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	.....	1,045.38	162.72
		For Up To 0.5 CLF, Add	.....	66.20	
		For >2.5 CLF, Deduct	.....	-80.13	
07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking (07 92 13)					
Note: 1 or 2 part, non-sag.					
07 92 13 00-0064	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	422.39	122.04
		For Up To 6 CLF, Add	.....	22.53	
		For >30 CLF, Deduct	.....	-23.93	
07 92 13 00-0065	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	450.53	122.04
		For Up To 4 CLF, Add	.....	24.64	
		For >20 CLF, Deduct	.....	-26.75	
07 92 13 00-0066	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	492.23	126.11
		For Up To 3 CLF, Add	.....	27.43	
		For >15 CLF, Deduct	.....	-30.24	
07 92 13 00-0067	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	506.30	126.11
		For Up To 2.5 CLF, Add	.....	28.48	
		For >13 CLF, Deduct	.....	-31.65	
07 92 13 00-0068	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	548.51	126.11
		For Up To 2 CLF, Add	.....	31.65	
		For >10 CLF, Deduct	.....	-35.87	
07 92 13 00-0069	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	590.71	126.11
		For Up To 1.5 CLF, Add	.....	34.81	
		For >8 CLF, Deduct	.....	-40.09	
07 92 13 00-0070	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	646.48	131.53
		For Up To 1.3 CLF, Add	.....	38.66	
		For >7 CLF, Deduct	.....	-44.99	
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	618.34	131.53
		For Up To 1.4 CLF, Add	.....	36.54	
		For >7.5 CLF, Deduct	.....	-42.17	
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	688.19	135.60
		For Up To 1.15 CLF, Add	.....	41.44	
		For >6 CLF, Deduct	.....	-48.48	
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	744.46	135.60
		For Up To 1 CLF, Add	.....	45.66	
		For >5 CLF, Deduct	.....	-54.11	
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	814.29	139.66
		For Up To 0.8 CLF, Add	.....	50.56	
		For >4.5 CLF, Deduct	.....	-60.41	
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	884.12	145.09
		For Up To 0.75 CLF, Add	.....	55.46	
		For >4 CLF, Deduct	.....	-66.72	
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	953.96	149.16
		For Up To 0.65 CLF, Add	.....	60.36	
		For >3.5 CLF, Deduct	.....	-73.02	
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	.....	1,163.46	162.72
		For Up To 0.5 CLF, Add	.....	75.06	
		For >2.5 CLF, Deduct	.....	-91.94	

07 92 19 Acoustical Joint Sealants (07 92)
07 92 19 00-0001 Acoustical Sealant (07 92 19)

07 Thermal And Moisture Protection**07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant.....	418.75	122.04	
		For Custom Match Coloring, Add	12.63		
		For Up To 6 CLF, Add	22.25		
		For >30 CLF, Deduct	-23.57		
		For 1 Part Mildew Resistant, Add	18.42		
		For High-Modulus Non-Acid Curing, Add	10.53		
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant.....	438.73	122.04	
		For Custom Match Coloring, Add	17.43		
		For Up To 4 CLF, Add	23.75		
		For >20 CLF, Deduct	-25.57		
		For 1 Part Mildew Resistant, Add	25.41		
		For High-Modulus Non-Acid Curing, Add	14.52		
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant.....	464.07	126.11	
		For Custom Match Coloring, Add	20.25		
		For Up To 3 CLF, Add	25.31		
		For >15 CLF, Deduct	-27.42		
		For 1 Part Mildew Resistant, Add	29.54		
		For High-Modulus Non-Acid Curing, Add	16.88		
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant.....	496.77	126.11	
		For Custom Match Coloring, Add	28.10		
		For Up To 2.5 CLF, Add	27.77		
		For >13 CLF, Deduct	-30.69		
		For 1 Part Mildew Resistant, Add	40.98		
		For High-Modulus Non-Acid Curing, Add	23.42		
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant.....	530.77	126.11	
		For Custom Match Coloring, Add	36.26		
		For Up To 2 CLF, Add	30.32		
		For >10 CLF, Deduct	-34.09		
		For 1 Part Mildew Resistant, Add	52.88		
		For High-Modulus Non-Acid Curing, Add	30.22		
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant.....	606.13	131.53	
		For Custom Match Coloring, Add	51.09		
		For Up To 1.4 CLF, Add	35.63		
		For >7.5 CLF, Deduct	-40.95		
		For 1 Part Mildew Resistant, Add	74.51		
		For High-Modulus Non-Acid Curing, Add	42.58		

07 95 Expansion Control (07 90)**07 95 13 Expansion Joint Cover Assemblies (07 95)**

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)**07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)****07 95 13 13-0002 With 1" Space (07 95 13 13-0001)**

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover.....	76.63	6.87	
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	57.94	6.87	
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	96.45	6.87	

07 95 13 13-0006 With 2" Space (07 95 13 13-0001)

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover.....	102.86	6.87	
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	69.19	6.87	
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	132.60	6.87	

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)**07 95 13 13-0011 With 1" Space (07 95 13 13-0010)**

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	56.37	6.87	
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	52.66	6.87	
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	84.35	6.87	

07 95 13 13-0015 With 2" Space (07 95 13 13-0010)

07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	72.11	6.87	
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	58.28	6.87	
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	102.42	6.87	

07 95 13 16 Exterior Expansion Joint Cover Assemblies (07 95 13)**07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies (07 95 13 16)****07 95 13 16-0002 Roof To Roof (07 95 13 16-0001)**

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint.....	104.73	4.58	
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint.....	126.81	4.58	
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint.....	142.02	4.58	

07 95 13 16-0006 Roof To Wall (07 95 13 16-0001)

07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	77.16	4.58	
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	104.19	4.58	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 16-0009 Flat Wall To Wall (07 95 13 16-0001)				
07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	56.92	4.58
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	73.14	4.58
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	92.70	4.58
07 95 13 16-0013 Corner To Flat Wall (07 95 13 16-0001)				
07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	53.26	4.58
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	64.07	4.58
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	94.44	4.58

END OF SECTION 07

07	07	Thermal And Moisture Protection	
	07 90	Joint Protection	
	07 95	Expansion Control	



MINOR				TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION				UNIT COST		UNIT COST	

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		Openings	08	08
		Operation and Maintenance of Openings	08 01	
		Operation and Maintenance of Doors and Frames	08 01 10	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
				DEMOLITION UNIT COST

08 Openings

08 01 Operation and Maintenance of Openings (08)

08 01 10 Operation and Maintenance of Doors and Frames (08 01)

08 01 11 Operation and Maintenance of Metal Doors and Frames (08 01 10)

08 01 11 61 Metal Doors and Frames Repair (08 01 11)

08 01 11 61-0001		Hollow Metal Door Repair (08 01 11 61)	
Note: Repairs are based on holes or damage of less than 1/2 of a square foot.			
08 01 11 61-0002	EA	Up To 1 SI, Patch Small Drill Holes	23.14
Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish			
08 01 11 61-0003	EA	>1 To 6 SI, Patch Small Drill Holes.....	46.41
Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish			
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors	55.86

08 01 50 Operation and Maintenance of Windows (08 01)

08 01 52 Operation and Maintenance of Wood Windows (08 01 50)

08 01 52 61 Wood Window Repairs (08 01 52)

08 01 52 61-0001		Window Restoration And Replacement (08 01 52 61)	
08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	15.12
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	42.61
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	47.72
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	29.67
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock.....	26.74
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window	32.73
Note: Channel, spiral or coil balance.			
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing	100.55
Note: Channel, spiral or coil balance.			
For Replacing Two Balances In One Window, Deduct			-37.44

08 01 70 Operation and Maintenance of Hardware (08 01)

08 01 71 Operation and Maintenance of Door Hardware (08 01 70)

08 01 71 81 Door Hardware Replacement (08 01 71)

08 01 71 81-0001		Replacement Folding Door Hardware (08 01 71 81)	
Note: Includes track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, 4-door aligner (when necessary), and doorknob.			
08 01 71 81-0002		2-Door Folding Door Hardware (08 01 71 81-0001)	
08 01 71 81-0003	SET	24" Track, 40 Lb. Capacity, 2 Panel Bi-Fold Door Hardware	312.74
Note: Aluminum, top mounted. For replacement only.			
08 01 71 81-0004	SET	30" Track, 40 Lb. Capacity, 2 Panel Bi-Fold Door Hardware	322.81
Note: Aluminum, top mounted. For replacement only.			
08 01 71 81-0005	SET	36" Track, 40 Lb. Capacity, 2 Panel Bi-Fold Door Hardware	329.58
Note: Aluminum, top mounted. For replacement only.			
08 01 71 81-0006	SET	36" Track, 50 Lb. Capacity, 2 Panel Bi-Fold Door Hardware	350.79
Note: Aluminum, top mounted. For replacement only.			
08 01 71 81-0007		4-Door Folding Door Hardware (08 01 71 81-0001)	
08 01 71 81-0008	SET	48" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	479.35
Note: Aluminum, top mounted. For replacement only.			
08 01 71 81-0009	SET	48" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	513.65
Note: Aluminum, top mounted. For replacement only.			
08 01 71 81-0010	SET	60" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	490.09
Note: Aluminum, top mounted. For replacement only.			
08 01 71 81-0011	SET	60" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	525.41
Note: Aluminum, top mounted. For replacement only.			
08 01 71 81-0012	SET	72" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	500.54
Note: Aluminum, top mounted. For replacement only.			
08 01 71 81-0013	SET	72" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	537.43
Note: Aluminum, top mounted. For replacement only.			
08 01 71 81-0014	SET	96" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	493.23
Note: Aluminum, top mounted. For replacement only.			
08 01 71 81-0015	SET	96" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware	515.81
Note: Aluminum, top mounted. For replacement only.			
08 01 71 81-0016		Replacement Sliding Door Hardware (08 01 71 81)	
Note: Hardware includes track, door pull, by-pass door guide, doorstop, standard hanger, and track stop.			
08 01 71 81-0017		2-Door Sliding Door Hardware (08 01 71 81-0016)	
08 01 71 81-0018	SET	48" Track, 100 Lb. Capacity, 2 Door Sliding Door Hardware	184.93
Note: Aluminum fascia track. For replacement only.			
08 01 71 81-0019	SET	48" Track, 150 Lb. Capacity, 2 Door Sliding Door Hardware	240.39
Note: Aluminum fascia track. For replacement only.			

08 Openings**08 01 Operation and Maintenance of Openings****08 01 70 Operation and Maintenance of Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 01 71 81-0020	SET	60" Track, 100 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	204.93	74.60
08 01 71 81-0021	SET	60" Track, 150 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	265.30	74.60
08 01 71 81-0022	SET	72" Track, 100 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	238.04	81.39
08 01 71 81-0023	SET	72" Track, 150 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	290.58	81.39

08 01 71 81-0024 4-Door Sliding Door Hardware (08 01 71 81-0016)

08 01 71 81-0025	SET	96" Track, 200 Lb. Capacity, 4 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	399.02	135.65
08 01 71 81-0026	SET	96" Track, 300 Lb. Capacity, 4 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	472.91	135.65

08 01 80 Maintenance of Glazing (08 01)**08 01 81 Maintenance of Glass Glazing (08 01 80)****08 01 81 10 Maintenance of Glass Glazing (08 01 81)****08 01 81 10-0001 Glazing Compound Repair (08 01 81 10)**

08 01 81 10-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing (For Glazing Compound Repair)	8.84	
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08 05 Common Work Results for Openings (08)**08 05 13 Door Options and Modifications (08 05)**

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) (08 05 13)

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	151.19	
		For 9/16" To 1-1/16" Glazing Pocket, Add	75.60	
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	191.38	
		For 9/16" To 1-1/16" Glazing Pocket, Add	95.69	
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	222.00	
		For 9/16" To 1-1/16" Glazing Pocket, Add	111.00	
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	283.24	
		For 9/16" To 1-1/16" Glazing Pocket, Add	141.62	
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	367.44	
		For 9/16" To 1-1/16" Glazing Pocket, Add	183.72	
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	468.87	
		For 9/16" To 1-1/16" Glazing Pocket, Add	234.44	
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	497.58	
		For 9/16" To 1-1/16" Glazing Pocket, Add	248.79	
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	273.09	
		For 9/16" To 1-1/16" Glazing Pocket, Add	68.72	
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	323.20	
		For 9/16" To 1-1/16" Glazing Pocket, Add	86.99	
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	364.58	
		For 9/16" To 1-1/16" Glazing Pocket, Add	100.91	
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	433.83	
		For 9/16" To 1-1/16" Glazing Pocket, Add	128.75	
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	523.95	
		For 9/16" To 1-1/16" Glazing Pocket, Add	167.02	
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	629.71	
		For 9/16" To 1-1/16" Glazing Pocket, Add	213.12	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	669.38	
		For 9/16" To 1-1/16" Glazing Pocket, Add	226.17	

08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) (08 05 13)

Note: Factory primed or powder coated.

08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	144.16	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	163.77	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	222.58	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	415.06	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	513.29	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	613.10	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	800.04	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	941.76	
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	113.01	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	245.90	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	275.67	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	344.66	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	547.32	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	655.72	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	765.70	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	962.81	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	1,111.32	
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	113.01	
08 05 13 00-0033		Fire Rated Fusible Link Louvers (Pemko LV-FL) (08 05 13)		
		Note: Factory primed or powder coated.		
08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	291.93	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	334.06	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	392.39	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	414.01	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	469.71	
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z" Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	538.89	
08 05 13 00-0040		Door Hardware Preparation (08 05 13)		
08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware	101.70	
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware	250.86	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware	115.26	
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware	203.41	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware	33.90	
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod	372.94	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod	237.29	
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware	250.86	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0049	EA	Prepare Existing Wood Door (Non-Rated) For Electric Hardware	115.26	
08 05 13 00-0050		Door Modifications (08 05 13)		
08 05 13 00-0051	EA	Factory Installed Sound Proofing (STC 28) In Metal Door	120.08	
08 05 13 00-0052	SF	For 16 Gauge Steel Metal Plate Bolted On Door	27.24	
		Note: Includes mounting hardware.		
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile	122.08	
		Note: Excludes removal and reinstallation of door.		
08 05 13 00-0054	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile	61.41	
		Note: Excludes removal and reinstallation of door.		
08 05 13 00-0055	EA	Modify Metal Door Frame For Door Swing	1,489.29	
		Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.		
08 05 13 00-0056	EA	Removal And Reinstallation Of Door	115.30	
08 05 13 00-0057	EA	Removal And Reinstallation Of Metal Door Frame	226.08	
08 05 13 00-0058	EA	Removal And Reinstallation Of Wood Door Frame	136.47	
08 05 13 00-0059	EA	For Factory Installed Fire Bottom Seal In Wood Door, Add	153.09	
08 05 13 00-0060	EA	For Factory Installed Fire Bottom Seal In Steel Door, Add	180.39	
08 05 13 00-0061	EA	Factory Trim Wood Door Edge For Custom Width	88.71	

08 10 Doors and Frames (08)

08 11 Metal Doors and Frames (08 10)

08 11 13 Hollow Metal Doors and Frames (08 11)

See CSI section 08 12 13 00-0000 for hollow metal frames, 08 13 13 00-0000 for hollow metal doors.

08 Openings**08 10 Doors and Frames****08 11 Metal Doors and Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 11 16 Aluminum Doors and Frames (08 11)

See CSI section 08 12 16 00-0000 for aluminum frames.

08 11 63 Metal Screen and Storm Doors and Frames (08 11)**08 11 63 13 Steel Screen and Storm Doors and Frames (08 11 63)****08 11 63 13-0001 Steel Screen Door (08 11 63 13)**

Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware	948.55	186.52
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	962.17	193.30
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	1,331.00	193.30

08 11 63 23 Aluminum Screen and Storm Doors and Frames (08 11 63)**08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23)**

Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	1,127.56	108.52
		For Special Finished, Add	102.75	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	1,185.31	108.52
08 11 63 23-0004	EA	Aluminum Screen Door	344.30	67.80
08 11 63 23-0005	SF	Repair Screen Door	19.36	

08 11 73 Sliding Metal Fire Doors (08 11)**08 11 73 00-0001 Motor Operated Fire Door With Fusible Link (08 11 73)**

Note: 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,617.73	572.68
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,909.53	572.68
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,396.90	572.68
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,928.01	572.68

08 12 Metal Frames (08 10)

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames (08 12)**08 12 13 13 Standard Hollow Metal Frames (08 12 13)**

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	772.34	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	85.33	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	68.26	
		For Type 304 Stainless Steel Frame, Add	1,034.14	
		For Type 316 Stainless Steel Frame, Add	1,204.80	
		For Baked Enamel Finish, Add	201.18	
		For 18 Gauge Frame, Deduct	-56.89	
		For 14 Gauge Frame, Add	142.22	
		For 12 Gauge Frame, Add	216.17	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	901.05	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	101.58	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	81.27	
		For Type 304 Stainless Steel Frame, Add	1,230.21	
		For Type 316 Stainless Steel Frame, Add	1,433.37	
		For Baked Enamel Finish, Add	236.74	
		For 18 Gauge Frame, Deduct	-67.72	
		For 14 Gauge Frame, Add	169.31	
		For 12 Gauge Frame, Add	257.35	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	925.46	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	103.21	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	82.57	
		For Type 304 Stainless Steel Frame, Add	1,250.40	
		For Type 316 Stainless Steel Frame, Add	1,456.82	
		For Baked Enamel Finish, Add	242.03	
		For 18 Gauge Frame, Deduct	-68.81	
		For 14 Gauge Frame, Add	172.02	
		For 12 Gauge Frame, Add	261.47	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	945.80	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	103.21	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	82.57	
		For Type 304 Stainless Steel Frame, Add	1,251.41	
		For Type 316 Stainless Steel Frame, Add	1,457.83	
		For Baked Enamel Finish, Add	245.08	
		For 18 Gauge Frame, Deduct	-68.81	
		For 14 Gauge Frame, Add	172.02	
		For 12 Gauge Frame, Add	261.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0007	EA		2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	963.41	132.26
			For Auxiliary Frame Reinforcement For Hinges, Add	104.84	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	83.87	
			For Type 304 Stainless Steel Frame, Add	1,271.25	
			For Type 316 Stainless Steel Frame, Add	1,480.92	
			For Baked Enamel Finish, Add	249.35	
			For 18 Gauge Frame, Deduct	-69.89	
			For 14 Gauge Frame, Add	174.73	
			For 12 Gauge Frame, Add	265.58	
08 12 13 13-0008	EA		3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	981.04	135.65
			For Auxiliary Frame Reinforcement For Hinges, Add	106.46	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	85.17	
			For Type 304 Stainless Steel Frame, Add	1,291.10	
			For Type 316 Stainless Steel Frame, Add	1,504.02	
			For Baked Enamel Finish, Add	253.62	
			For 18 Gauge Frame, Deduct	-70.97	
			For 14 Gauge Frame, Add	177.44	
			For 12 Gauge Frame, Add	269.70	
08 12 13 13-0009	EA		3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,043.35	142.43
			For Auxiliary Frame Reinforcement For Hinges, Add	113.78	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	91.02	
			For Type 304 Stainless Steel Frame, Add	1,379.54	
			For Type 316 Stainless Steel Frame, Add	1,607.09	
			For Baked Enamel Finish, Add	270.28	
			For 18 Gauge Frame, Deduct	-75.85	
			For 14 Gauge Frame, Add	189.63	
			For 12 Gauge Frame, Add	288.23	
08 12 13 13-0010	EA		3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,056.92	149.22
			For Auxiliary Frame Reinforcement For Hinges, Add	113.78	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	91.02	
			For Type 304 Stainless Steel Frame, Add	1,380.22	
			For Type 316 Stainless Steel Frame, Add	1,607.77	
			For Baked Enamel Finish, Add	272.31	
			For 18 Gauge Frame, Deduct	-75.85	
			For 14 Gauge Frame, Add	189.63	
			For 12 Gauge Frame, Add	288.23	
08 12 13 13-0011	EA		4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,097.58	155.99
			For Auxiliary Frame Reinforcement For Hinges, Add	117.84	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	94.27	
			For Type 304 Stainless Steel Frame, Add	1,429.66	
			For Type 316 Stainless Steel Frame, Add	1,665.34	
			For Baked Enamel Finish, Add	282.48	
			For 18 Gauge Frame, Deduct	-78.56	
			For 14 Gauge Frame, Add	196.40	
			For 12 Gauge Frame, Add	298.52	
08 12 13 13-0012	EA		5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,138.24	162.77
			For Auxiliary Frame Reinforcement For Hinges, Add	121.90	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	97.52	
			For Type 304 Stainless Steel Frame, Add	1,479.10	
			For Type 316 Stainless Steel Frame, Add	1,722.91	
			For Baked Enamel Finish, Add	292.64	
			For 18 Gauge Frame, Deduct	-81.27	
			For 14 Gauge Frame, Add	203.17	
			For 12 Gauge Frame, Add	308.82	
08 12 13 13-0013	EA		5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,151.80	169.56
			For Auxiliary Frame Reinforcement For Hinges, Add	121.90	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	97.52	
			For Type 304 Stainless Steel Frame, Add	1,479.78	
			For Type 316 Stainless Steel Frame, Add	1,723.58	
			For Baked Enamel Finish, Add	294.67	
			For 18 Gauge Frame, Deduct	-81.27	
			For 14 Gauge Frame, Add	203.17	
			For 12 Gauge Frame, Add	308.82	
08 12 13 13-0014	EA		5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,172.12	172.95
			For Auxiliary Frame Reinforcement For Hinges, Add	123.93	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	99.15	
			For Type 304 Stainless Steel Frame, Add	1,504.49	
			For Type 316 Stainless Steel Frame, Add	1,752.36	
			For Baked Enamel Finish, Add	299.75	
			For 18 Gauge Frame, Deduct	-82.62	
			For 14 Gauge Frame, Add	206.56	
			For 12 Gauge Frame, Add	313.96	
08 12 13 13-0015	EA		6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,192.45	176.34
			For Auxiliary Frame Reinforcement For Hinges, Add	125.97	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	100.77	
			For Type 304 Stainless Steel Frame, Add	1,529.22	
			For Type 316 Stainless Steel Frame, Add	1,781.15	
			For Baked Enamel Finish, Add	304.83	
			For 18 Gauge Frame, Deduct	-83.98	
			For 14 Gauge Frame, Add	209.94	
			For 12 Gauge Frame, Add	319.11	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,253.41	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	134.09	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	107.27	
		For Type 304 Stainless Steel Frame, Add	1,627.07	
		For Type 316 Stainless Steel Frame, Add	1,895.25	
		For Baked Enamel Finish, Add	322.10	
		For 18 Gauge Frame, Deduct	-89.39	
		For 14 Gauge Frame, Add	223.49	
		For 12 Gauge Frame, Add	339.70	
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,314.37	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	142.22	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	113.77	
		For Type 304 Stainless Steel Frame, Add	1,724.93	
		For Type 316 Stainless Steel Frame, Add	2,009.36	
		For Baked Enamel Finish, Add	339.37	
		For 18 Gauge Frame, Deduct	-94.81	
		For 14 Gauge Frame, Add	237.03	
		For 12 Gauge Frame, Add	360.29	

08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames

(08 12 13 13-0001)

08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	835.55	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	94.81	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	75.85	
		For Type 304 Stainless Steel Frame, Add	1,147.92	
		For Type 316 Stainless Steel Frame, Add	1,337.54	
		For Baked Enamel Finish, Add	220.14	
		For 18 Gauge Frame, Deduct	-63.21	
		For 14 Gauge Frame, Add	158.02	
		For 12 Gauge Frame, Add	240.19	
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	976.30	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	112.87	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	90.30	
		For Type 304 Stainless Steel Frame, Add	1,365.66	
		For Type 316 Stainless Steel Frame, Add	1,591.40	
		For Baked Enamel Finish, Add	259.32	
		For 18 Gauge Frame, Deduct	-75.25	
		For 14 Gauge Frame, Add	188.12	
		For 12 Gauge Frame, Add	285.94	
08 12 13 13-0021	EA	2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,001.91	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	114.68	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	91.74	
		For Type 304 Stainless Steel Frame, Add	1,388.01	
		For Type 316 Stainless Steel Frame, Add	1,617.36	
		For Baked Enamel Finish, Add	264.96	
		For 18 Gauge Frame, Deduct	-76.45	
		For 14 Gauge Frame, Add	191.13	
		For 12 Gauge Frame, Add	290.52	
08 12 13 13-0022	EA	2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,022.25	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	114.68	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	91.74	
		For Type 304 Stainless Steel Frame, Add	1,389.02	
		For Type 316 Stainless Steel Frame, Add	1,618.38	
		For Baked Enamel Finish, Add	268.02	
		For 18 Gauge Frame, Deduct	-76.45	
		For 14 Gauge Frame, Add	191.13	
		For 12 Gauge Frame, Add	290.52	
08 12 13 13-0023	EA	2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,041.07	132.26
		For Auxiliary Frame Reinforcement For Hinges, Add	116.48	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	93.19	
		For Type 304 Stainless Steel Frame, Add	1,411.03	
		For Type 316 Stainless Steel Frame, Add	1,644.00	
		For Baked Enamel Finish, Add	272.64	
		For 18 Gauge Frame, Deduct	-77.66	
		For 14 Gauge Frame, Add	194.14	
		For 12 Gauge Frame, Add	295.09	
08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,059.90	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	118.29	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	94.63	
		For Type 304 Stainless Steel Frame, Add	1,433.05	
		For Type 316 Stainless Steel Frame, Add	1,669.63	
		For Baked Enamel Finish, Add	277.28	
		For 18 Gauge Frame, Deduct	-78.86	
		For 14 Gauge Frame, Add	197.15	
		For 12 Gauge Frame, Add	299.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0025	EA	3'-4" x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,127.63	142.43
			For Auxiliary Frame Reinforcement For Hinges, Add	126.42	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	101.13	
			For Type 304 Stainless Steel Frame, Add	1,531.25	
			For Type 316 Stainless Steel Frame, Add	1,784.08	
			For Baked Enamel Finish, Add	295.56	
			For 18 Gauge Frame, Deduct	-84.28	
			For 14 Gauge Frame, Add	210.70	
			For 12 Gauge Frame, Add	320.26	
08 12 13 13-0026	EA	3'-6" x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,141.20	149.22
			For Auxiliary Frame Reinforcement For Hinges, Add	126.42	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	101.13	
			For Type 304 Stainless Steel Frame, Add	1,531.93	
			For Type 316 Stainless Steel Frame, Add	1,784.76	
			For Baked Enamel Finish, Add	297.60	
			For 18 Gauge Frame, Deduct	-84.28	
			For 14 Gauge Frame, Add	210.70	
			For 12 Gauge Frame, Add	320.26	
08 12 13 13-0027	EA	4' x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,184.87	155.99
			For Auxiliary Frame Reinforcement For Hinges, Add	130.93	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	104.75	
			For Type 304 Stainless Steel Frame, Add	1,586.78	
			For Type 316 Stainless Steel Frame, Add	1,848.65	
			For Baked Enamel Finish, Add	308.66	
			For 18 Gauge Frame, Deduct	-87.29	
			For 14 Gauge Frame, Add	218.22	
			For 12 Gauge Frame, Add	331.69	
08 12 13 13-0028	EA	5' x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,228.53	162.77
			For Auxiliary Frame Reinforcement For Hinges, Add	135.45	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	108.36	
			For Type 304 Stainless Steel Frame, Add	1,641.62	
			For Type 316 Stainless Steel Frame, Add	1,912.52	
			For Baked Enamel Finish, Add	319.73	
			For 18 Gauge Frame, Deduct	-90.30	
			For 14 Gauge Frame, Add	225.74	
			For 12 Gauge Frame, Add	343.13	
08 12 13 13-0029	EA	5'-4" x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,242.09	169.56
			For Auxiliary Frame Reinforcement For Hinges, Add	135.45	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	108.36	
			For Type 304 Stainless Steel Frame, Add	1,642.30	
			For Type 316 Stainless Steel Frame, Add	1,913.19	
			For Baked Enamel Finish, Add	321.76	
			For 18 Gauge Frame, Deduct	-90.30	
			For 14 Gauge Frame, Add	225.74	
			For 12 Gauge Frame, Add	343.13	
08 12 13 13-0030	EA	5'-8" x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,263.92	172.95
			For Auxiliary Frame Reinforcement For Hinges, Add	137.70	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	110.16	
			For Type 304 Stainless Steel Frame, Add	1,669.73	
			For Type 316 Stainless Steel Frame, Add	1,945.14	
			For Baked Enamel Finish, Add	327.29	
			For 18 Gauge Frame, Deduct	-91.80	
			For 14 Gauge Frame, Add	229.51	
			For 12 Gauge Frame, Add	348.85	
08 12 13 13-0031	EA	6' x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,285.75	176.34
			For Auxiliary Frame Reinforcement For Hinges, Add	139.96	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	111.97	
			For Type 304 Stainless Steel Frame, Add	1,697.16	
			For Type 316 Stainless Steel Frame, Add	1,977.08	
			For Baked Enamel Finish, Add	332.82	
			For 18 Gauge Frame, Deduct	-93.31	
			For 14 Gauge Frame, Add	233.27	
			For 12 Gauge Frame, Add	354.57	
08 12 13 13-0032	EA	7' x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,352.74	179.73
			For Auxiliary Frame Reinforcement For Hinges, Add	148.99	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	119.19	
			For Type 304 Stainless Steel Frame, Add	1,805.86	
			For Type 316 Stainless Steel Frame, Add	2,103.84	
			For Baked Enamel Finish, Add	351.90	
			For 18 Gauge Frame, Deduct	-99.33	
			For 14 Gauge Frame, Add	248.32	
			For 12 Gauge Frame, Add	377.44	
08 12 13 13-0033	EA	8' x >7'-2"	Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,419.72	183.13
			For Auxiliary Frame Reinforcement For Hinges, Add	158.02	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	126.42	
			For Type 304 Stainless Steel Frame, Add	1,914.56	
			For Type 316 Stainless Steel Frame, Add	2,230.60	
			For Baked Enamel Finish, Add	370.98	
			For 18 Gauge Frame, Deduct	-105.35	
			For 14 Gauge Frame, Add	263.37	
			For 12 Gauge Frame, Add	400.32	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0034	5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
	Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035	6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)		
08 12 13 13-0036	EA 2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	835.55	101.74
	For Auxiliary Frame Reinforcement For Hinges, Add	94.81	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	75.85	
	For Type 304 Stainless Steel Frame, Add	1,147.92	
	For Type 316 Stainless Steel Frame, Add	1,337.54	
	For Baked Enamel Finish, Add	220.14	
	For 18 Gauge Frame, Deduct	-63.21	
	For 14 Gauge Frame, Add	158.02	
	For 12 Gauge Frame, Add	240.19	
08 12 13 13-0037	EA 2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	976.30	111.90
	For Auxiliary Frame Reinforcement For Hinges, Add	112.87	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	90.30	
	For Type 304 Stainless Steel Frame, Add	1,365.66	
	For Type 316 Stainless Steel Frame, Add	1,591.40	
	For Baked Enamel Finish, Add	259.32	
	For 18 Gauge Frame, Deduct	-75.25	
	For 14 Gauge Frame, Add	188.12	
	For 12 Gauge Frame, Add	285.94	
08 12 13 13-0038	EA 2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,001.91	118.69
	For Auxiliary Frame Reinforcement For Hinges, Add	114.68	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	91.74	
	For Type 304 Stainless Steel Frame, Add	1,388.01	
	For Type 316 Stainless Steel Frame, Add	1,617.36	
	For Baked Enamel Finish, Add	264.96	
	For 18 Gauge Frame, Deduct	-76.45	
	For 14 Gauge Frame, Add	191.13	
	For 12 Gauge Frame, Add	290.52	
08 12 13 13-0039	EA 2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,022.25	128.86
	For Auxiliary Frame Reinforcement For Hinges, Add	114.68	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	91.74	
	For Type 304 Stainless Steel Frame, Add	1,389.02	
	For Type 316 Stainless Steel Frame, Add	1,618.38	
	For Baked Enamel Finish, Add	268.02	
	For 18 Gauge Frame, Deduct	-76.45	
	For 14 Gauge Frame, Add	191.13	
	For 12 Gauge Frame, Add	290.52	
08 12 13 13-0040	EA 2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,041.07	132.26
	For Auxiliary Frame Reinforcement For Hinges, Add	116.48	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	93.19	
	For Type 304 Stainless Steel Frame, Add	1,411.03	
	For Type 316 Stainless Steel Frame, Add	1,644.00	
	For Baked Enamel Finish, Add	272.64	
	For 18 Gauge Frame, Deduct	-77.66	
	For 14 Gauge Frame, Add	194.14	
	For 12 Gauge Frame, Add	295.09	
08 12 13 13-0041	EA 3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,059.90	135.65
	For Auxiliary Frame Reinforcement For Hinges, Add	118.29	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	94.63	
	For Type 304 Stainless Steel Frame, Add	1,433.05	
	For Type 316 Stainless Steel Frame, Add	1,669.63	
	For Baked Enamel Finish, Add	277.28	
	For 18 Gauge Frame, Deduct	-78.86	
	For 14 Gauge Frame, Add	197.15	
	For 12 Gauge Frame, Add	299.67	
08 12 13 13-0042	EA 3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,127.63	142.43
	For Auxiliary Frame Reinforcement For Hinges, Add	126.42	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	101.13	
	For Type 304 Stainless Steel Frame, Add	1,531.25	
	For Type 316 Stainless Steel Frame, Add	1,784.08	
	For Baked Enamel Finish, Add	295.56	
	For 18 Gauge Frame, Deduct	-84.28	
	For 14 Gauge Frame, Add	210.70	
	For 12 Gauge Frame, Add	320.26	
08 12 13 13-0043	EA 3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,141.20	149.22
	For Auxiliary Frame Reinforcement For Hinges, Add	126.42	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	101.13	
	For Type 304 Stainless Steel Frame, Add	1,531.93	
	For Type 316 Stainless Steel Frame, Add	1,784.76	
	For Baked Enamel Finish, Add	297.60	
	For 18 Gauge Frame, Deduct	-84.28	
	For 14 Gauge Frame, Add	210.70	
	For 12 Gauge Frame, Add	320.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0044	EA		4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,184.86	155.99
			For Auxiliary Frame Reinforcement For Hinges, Add	130.93	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	104.74	
			For Type 304 Stainless Steel Frame, Add	1,586.77	
			For Type 316 Stainless Steel Frame, Add	1,848.63	
			For Baked Enamel Finish, Add	308.66	
			For 18 Gauge Frame, Deduct	-87.29	
			For 14 Gauge Frame, Add	218.22	
			For 12 Gauge Frame, Add	331.69	
08 12 13 13-0045	EA		5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,228.53	162.77
			For Auxiliary Frame Reinforcement For Hinges, Add	135.45	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	108.36	
			For Type 304 Stainless Steel Frame, Add	1,641.62	
			For Type 316 Stainless Steel Frame, Add	1,912.52	
			For Baked Enamel Finish, Add	319.73	
			For 18 Gauge Frame, Deduct	-90.30	
			For 14 Gauge Frame, Add	225.74	
			For 12 Gauge Frame, Add	343.13	
08 12 13 13-0046	EA		5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,242.09	169.56
			For Auxiliary Frame Reinforcement For Hinges, Add	135.45	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	108.36	
			For Type 304 Stainless Steel Frame, Add	1,642.30	
			For Type 316 Stainless Steel Frame, Add	1,913.19	
			For Baked Enamel Finish, Add	321.76	
			For 18 Gauge Frame, Deduct	-90.30	
			For 14 Gauge Frame, Add	225.74	
			For 12 Gauge Frame, Add	343.13	
08 12 13 13-0047	EA		5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,263.92	172.95
			For Auxiliary Frame Reinforcement For Hinges, Add	137.70	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	110.16	
			For Type 304 Stainless Steel Frame, Add	1,669.73	
			For Type 316 Stainless Steel Frame, Add	1,945.14	
			For Baked Enamel Finish, Add	327.29	
			For 18 Gauge Frame, Deduct	-91.80	
			For 14 Gauge Frame, Add	229.51	
			For 12 Gauge Frame, Add	348.85	
08 12 13 13-0048	EA		6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,285.75	176.34
			For Auxiliary Frame Reinforcement For Hinges, Add	139.96	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	111.97	
			For Type 304 Stainless Steel Frame, Add	1,697.16	
			For Type 316 Stainless Steel Frame, Add	1,977.08	
			For Baked Enamel Finish, Add	332.82	
			For 18 Gauge Frame, Deduct	-93.31	
			For 14 Gauge Frame, Add	233.27	
			For 12 Gauge Frame, Add	354.57	
08 12 13 13-0049	EA		7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,352.74	179.73
			For Auxiliary Frame Reinforcement For Hinges, Add	148.99	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	119.19	
			For Type 304 Stainless Steel Frame, Add	1,805.86	
			For Type 316 Stainless Steel Frame, Add	2,103.84	
			For Baked Enamel Finish, Add	351.90	
			For 18 Gauge Frame, Deduct	-99.33	
			For 14 Gauge Frame, Add	248.32	
			For 12 Gauge Frame, Add	377.44	
08 12 13 13-0050	EA		8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,419.72	183.13
			For Auxiliary Frame Reinforcement For Hinges, Add	158.02	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	126.42	
			For Type 304 Stainless Steel Frame, Add	1,914.56	
			For Type 316 Stainless Steel Frame, Add	2,230.60	
			For Baked Enamel Finish, Add	370.98	
			For 18 Gauge Frame, Deduct	-105.35	
			For 14 Gauge Frame, Add	263.37	
			For 12 Gauge Frame, Add	400.32	
08 12 13 13-0051			>7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)		
08 12 13 13-0052	EA		2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	905.78	101.74
			For Auxiliary Frame Reinforcement For Hinges, Add	105.35	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	84.28	
			For Type 304 Stainless Steel Frame, Add	1,274.33	
			For Type 316 Stainless Steel Frame, Add	1,485.02	
			For Baked Enamel Finish, Add	241.21	
			For 18 Gauge Frame, Deduct	-70.23	
			For 14 Gauge Frame, Add	175.58	
			For 12 Gauge Frame, Add	266.88	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0053	EA 2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,059.91	111.90
	For Auxiliary Frame Reinforcement For Hinges, Add	125.41	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	100.33	
	For Type 304 Stainless Steel Frame, Add	1,516.15	
	For Type 316 Stainless Steel Frame, Add	1,766.98	
	For Baked Enamel Finish, Add	284.40	
	For 18 Gauge Frame, Deduct	-83.61	
	For 14 Gauge Frame, Add	209.02	
	For 12 Gauge Frame, Add	317.71	
08 12 13 13-0054	EA 2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,086.85	118.69
	For Auxiliary Frame Reinforcement For Hinges, Add	127.42	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	101.94	
	For Type 304 Stainless Steel Frame, Add	1,540.90	
	For Type 316 Stainless Steel Frame, Add	1,795.74	
	For Baked Enamel Finish, Add	290.45	
	For 18 Gauge Frame, Deduct	-84.95	
	For 14 Gauge Frame, Add	212.37	
	For 12 Gauge Frame, Add	322.79	
08 12 13 13-0055	EA 2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,107.19	128.86
	For Auxiliary Frame Reinforcement For Hinges, Add	127.42	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	101.94	
	For Type 304 Stainless Steel Frame, Add	1,541.91	
	For Type 316 Stainless Steel Frame, Add	1,796.75	
	For Baked Enamel Finish, Add	293.50	
	For 18 Gauge Frame, Deduct	-84.95	
	For 14 Gauge Frame, Add	212.37	
	For 12 Gauge Frame, Add	322.79	
08 12 13 13-0056	EA 2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,127.35	132.26
	For Auxiliary Frame Reinforcement For Hinges, Add	129.43	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	103.54	
	For Type 304 Stainless Steel Frame, Add	1,566.34	
	For Type 316 Stainless Steel Frame, Add	1,825.19	
	For Baked Enamel Finish, Add	298.53	
	For 18 Gauge Frame, Deduct	-86.28	
	For 14 Gauge Frame, Add	215.71	
	For 12 Gauge Frame, Add	327.88	
08 12 13 13-0057	EA 3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,147.52	135.65
	For Auxiliary Frame Reinforcement For Hinges, Add	131.43	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	105.15	
	For Type 304 Stainless Steel Frame, Add	1,590.76	
	For Type 316 Stainless Steel Frame, Add	1,853.63	
	For Baked Enamel Finish, Add	303.56	
	For 18 Gauge Frame, Deduct	-87.62	
	For 14 Gauge Frame, Add	219.06	
	For 12 Gauge Frame, Add	332.96	
08 12 13 13-0058	EA 3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,221.27	142.43
	For Auxiliary Frame Reinforcement For Hinges, Add	140.46	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	112.37	
	For Type 304 Stainless Steel Frame, Add	1,699.80	
	For Type 316 Stainless Steel Frame, Add	1,980.72	
	For Baked Enamel Finish, Add	323.65	
	For 18 Gauge Frame, Deduct	-93.64	
	For 14 Gauge Frame, Add	234.11	
	For 12 Gauge Frame, Add	355.84	
08 12 13 13-0059	EA 3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,234.84	149.22
	For Auxiliary Frame Reinforcement For Hinges, Add	140.46	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	112.37	
	For Type 304 Stainless Steel Frame, Add	1,700.48	
	For Type 316 Stainless Steel Frame, Add	1,981.40	
	For Baked Enamel Finish, Add	325.69	
	For 18 Gauge Frame, Deduct	-93.64	
	For 14 Gauge Frame, Add	234.11	
	For 12 Gauge Frame, Add	355.84	
08 12 13 13-0060	EA 4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,281.85	155.99
	For Auxiliary Frame Reinforcement For Hinges, Add	145.48	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	116.38	
	For Type 304 Stainless Steel Frame, Add	1,761.35	
	For Type 316 Stainless Steel Frame, Add	2,052.31	
	For Baked Enamel Finish, Add	337.76	
	For 18 Gauge Frame, Deduct	-96.99	
	For 14 Gauge Frame, Add	242.47	
	For 12 Gauge Frame, Add	368.55	
08 12 13 13-0061	EA 5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,328.86	162.77
	For Auxiliary Frame Reinforcement For Hinges, Add	150.50	
	For Welded Frames, Add	331.63	
	For Galvanized Frames, Add	120.40	
	For Type 304 Stainless Steel Frame, Add	1,822.22	
	For Type 316 Stainless Steel Frame, Add	2,123.21	
	For Baked Enamel Finish, Add	349.82	
	For 18 Gauge Frame, Deduct	-100.33	
	For 14 Gauge Frame, Add	250.83	
	For 12 Gauge Frame, Add	381.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0062	EA		5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,342.42	169.56
			For Auxiliary Frame Reinforcement For Hinges, Add	150.50	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	120.40	
			For Type 304 Stainless Steel Frame, Add	1,822.90	
			For Type 316 Stainless Steel Frame, Add	2,123.89	
			For Baked Enamel Finish, Add	351.86	
			For 18 Gauge Frame, Deduct	-100.33	
			For 14 Gauge Frame, Add	250.83	
			For 12 Gauge Frame, Add	381.25	
08 12 13 13-0063	EA		5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,365.93	172.95
			For Auxiliary Frame Reinforcement For Hinges, Add	153.00	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	122.40	
			For Type 304 Stainless Steel Frame, Add	1,853.35	
			For Type 316 Stainless Steel Frame, Add	2,159.36	
			For Baked Enamel Finish, Add	357.89	
			For 18 Gauge Frame, Deduct	-102.00	
			For 14 Gauge Frame, Add	255.01	
			For 12 Gauge Frame, Add	387.61	
08 12 13 13-0064	EA		6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,389.43	176.34
			For Auxiliary Frame Reinforcement For Hinges, Add	155.51	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	124.41	
			For Type 304 Stainless Steel Frame, Add	1,883.78	
			For Type 316 Stainless Steel Frame, Add	2,194.81	
			For Baked Enamel Finish, Add	363.93	
			For 18 Gauge Frame, Deduct	-103.68	
			For 14 Gauge Frame, Add	259.19	
			For 12 Gauge Frame, Add	393.97	
08 12 13 13-0065	EA		7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,463.11	179.73
			For Auxiliary Frame Reinforcement For Hinges, Add	165.55	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	132.44	
			For Type 304 Stainless Steel Frame, Add	2,004.53	
			For Type 316 Stainless Steel Frame, Add	2,335.62	
			For Baked Enamel Finish, Add	385.01	
			For 18 Gauge Frame, Deduct	-110.36	
			For 14 Gauge Frame, Add	275.91	
			For 12 Gauge Frame, Add	419.38	
08 12 13 13-0066	EA		8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,536.77	183.13
			For Auxiliary Frame Reinforcement For Hinges, Add	175.58	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	140.46	
			For Type 304 Stainless Steel Frame, Add	2,125.25	
			For Type 316 Stainless Steel Frame, Add	2,476.40	
			For Baked Enamel Finish, Add	406.09	
			For 18 Gauge Frame, Deduct	-117.05	
			For 14 Gauge Frame, Add	292.63	
			For 12 Gauge Frame, Add	444.80	
08 12 13 13-0067			6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0068			6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0069	EA		2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,204.13	101.74
			For Auxiliary Frame Reinforcement For Hinges, Add	150.10	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	120.08	
			For Type 304 Stainless Steel Frame, Add	1,811.36	
			For Type 316 Stainless Steel Frame, Add	2,111.56	
			For Baked Enamel Finish, Add	330.72	
			For 18 Gauge Frame, Deduct	-100.07	
			For 14 Gauge Frame, Add	250.17	
			For 12 Gauge Frame, Add	380.25	
08 12 13 13-0070	EA		2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,415.08	111.90
			For Auxiliary Frame Reinforcement For Hinges, Add	178.69	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	142.95	
			For Type 304 Stainless Steel Frame, Add	2,155.46	
			For Type 316 Stainless Steel Frame, Add	2,512.84	
			For Baked Enamel Finish, Add	390.95	
			For 18 Gauge Frame, Deduct	-119.13	
			For 14 Gauge Frame, Add	297.82	
			For 12 Gauge Frame, Add	452.68	
08 12 13 13-0071	EA		2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,447.71	118.69
			For Auxiliary Frame Reinforcement For Hinges, Add	181.55	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	145.24	
			For Type 304 Stainless Steel Frame, Add	2,190.45	
			For Type 316 Stainless Steel Frame, Add	2,553.54	
			For Baked Enamel Finish, Add	398.70	
			For 18 Gauge Frame, Deduct	-121.03	
			For 14 Gauge Frame, Add	302.58	
			For 12 Gauge Frame, Add	459.92	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0072	EA	2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,468.05	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	181.55	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	145.24	
		For Type 304 Stainless Steel Frame, Add	2,191.46	
		For Type 316 Stainless Steel Frame, Add	2,554.56	
		For Baked Enamel Finish, Add	401.76	
		For 18 Gauge Frame, Deduct	-121.03	
		For 14 Gauge Frame, Add	302.58	
		For 12 Gauge Frame, Add	459.92	
08 12 13 13-0073	EA	2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,493.89	132.26
		For Auxiliary Frame Reinforcement For Hinges, Add	184.41	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	147.53	
		For Type 304 Stainless Steel Frame, Add	2,226.11	
		For Type 316 Stainless Steel Frame, Add	2,594.92	
		For Baked Enamel Finish, Add	408.49	
		For 18 Gauge Frame, Deduct	-122.94	
		For 14 Gauge Frame, Add	307.35	
		For 12 Gauge Frame, Add	467.16	
08 12 13 13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,519.74	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	187.27	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	149.81	
		For Type 304 Stainless Steel Frame, Add	2,260.76	
		For Type 316 Stainless Steel Frame, Add	2,635.29	
		For Baked Enamel Finish, Add	415.23	
		For 18 Gauge Frame, Deduct	-124.84	
		For 14 Gauge Frame, Add	312.11	
		For 12 Gauge Frame, Add	474.41	
08 12 13 13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,619.06	142.43
		For Auxiliary Frame Reinforcement For Hinges, Add	200.13	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	160.11	
		For Type 304 Stainless Steel Frame, Add	2,415.82	
		For Type 316 Stainless Steel Frame, Add	2,816.08	
		For Baked Enamel Finish, Add	442.99	
		For 18 Gauge Frame, Deduct	-133.42	
		For 14 Gauge Frame, Add	333.55	
		For 12 Gauge Frame, Add	507.00	
08 12 13 13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,632.63	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	200.13	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	160.11	
		For Type 304 Stainless Steel Frame, Add	2,416.50	
		For Type 316 Stainless Steel Frame, Add	2,816.76	
		For Baked Enamel Finish, Add	445.03	
		For 18 Gauge Frame, Deduct	-133.42	
		For 14 Gauge Frame, Add	333.55	
		For 12 Gauge Frame, Add	507.00	
08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,693.85	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	207.28	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	165.82	
		For Type 304 Stainless Steel Frame, Add	2,502.95	
		For Type 316 Stainless Steel Frame, Add	2,917.51	
		For Baked Enamel Finish, Add	461.36	
		For 18 Gauge Frame, Deduct	-138.19	
		For 14 Gauge Frame, Add	345.47	
		For 12 Gauge Frame, Add	525.11	
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,755.07	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	214.43	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	171.54	
		For Type 304 Stainless Steel Frame, Add	2,589.40	
		For Type 316 Stainless Steel Frame, Add	3,018.25	
		For Baked Enamel Finish, Add	477.69	
		For 18 Gauge Frame, Deduct	-142.95	
		For 14 Gauge Frame, Add	357.38	
		For 12 Gauge Frame, Add	543.21	
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,768.63	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	214.43	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	171.54	
		For Type 304 Stainless Steel Frame, Add	2,590.07	
		For Type 316 Stainless Steel Frame, Add	3,018.93	
		For Baked Enamel Finish, Add	479.72	
		For 18 Gauge Frame, Deduct	-142.95	
		For 14 Gauge Frame, Add	357.38	
		For 12 Gauge Frame, Add	543.21	
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,799.23	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	218.00	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	174.40	
		For Type 304 Stainless Steel Frame, Add	2,633.29	
		For Type 316 Stainless Steel Frame, Add	3,069.29	
		For Baked Enamel Finish, Add	487.88	
		For 18 Gauge Frame, Deduct	-145.33	
		For 14 Gauge Frame, Add	363.33	
		For 12 Gauge Frame, Add	552.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0081	EA		6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,829.84	176.34
			For Auxiliary Frame Reinforcement For Hinges, Add	221.57	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	177.26	
			For Type 304 Stainless Steel Frame, Add	2,676.52	
			For Type 316 Stainless Steel Frame, Add	3,119.67	
			For Baked Enamel Finish, Add	496.05	
			For 18 Gauge Frame, Deduct	-147.72	
			For 14 Gauge Frame, Add	369.29	
			For 12 Gauge Frame, Add	561.32	
08 12 13 13-0082	EA		7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,931.92	179.73
			For Auxiliary Frame Reinforcement For Hinges, Add	235.87	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	188.69	
			For Type 304 Stainless Steel Frame, Add	2,848.38	
			For Type 316 Stainless Steel Frame, Add	3,320.12	
			For Baked Enamel Finish, Add	525.66	
			For 18 Gauge Frame, Deduct	-157.25	
			For 14 Gauge Frame, Add	393.11	
			For 12 Gauge Frame, Add	597.53	
08 12 13 13-0083	EA		8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,034.01	183.13
			For Auxiliary Frame Reinforcement For Hinges, Add	250.16	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	200.13	
			For Type 304 Stainless Steel Frame, Add	3,020.28	
			For Type 316 Stainless Steel Frame, Add	3,520.61	
			For Baked Enamel Finish, Add	555.27	
			For 18 Gauge Frame, Deduct	-166.78	
			For 14 Gauge Frame, Add	416.94	
			For 12 Gauge Frame, Add	633.75	
08 12 13 13-0084			>7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)		
08 12 13 13-0085	EA		2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,315.31	101.74
			For Auxiliary Frame Reinforcement For Hinges, Add	166.78	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	133.42	
			For Type 304 Stainless Steel Frame, Add	2,011.49	
			For Type 316 Stainless Steel Frame, Add	2,345.04	
			For Baked Enamel Finish, Add	364.07	
			For 18 Gauge Frame, Deduct	-111.18	
			For 14 Gauge Frame, Add	277.96	
			For 12 Gauge Frame, Add	422.50	
08 12 13 13-0086	EA		2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,547.44	111.90
			For Auxiliary Frame Reinforcement For Hinges, Add	198.54	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	158.83	
			For Type 304 Stainless Steel Frame, Add	2,393.71	
			For Type 316 Stainless Steel Frame, Add	2,790.79	
			For Baked Enamel Finish, Add	430.66	
			For 18 Gauge Frame, Deduct	-132.36	
			For 14 Gauge Frame, Add	330.91	
			For 12 Gauge Frame, Add	502.98	
08 12 13 13-0087	EA		2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,582.19	118.69
			For Auxiliary Frame Reinforcement For Hinges, Add	201.72	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	161.38	
			For Type 304 Stainless Steel Frame, Add	2,432.51	
			For Type 316 Stainless Steel Frame, Add	2,835.95	
			For Baked Enamel Finish, Add	439.05	
			For 18 Gauge Frame, Deduct	-134.48	
			For 14 Gauge Frame, Add	336.20	
			For 12 Gauge Frame, Add	511.02	
08 12 13 13-0088	EA		2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,602.53	128.86
			For Auxiliary Frame Reinforcement For Hinges, Add	201.72	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	161.38	
			For Type 304 Stainless Steel Frame, Add	2,433.53	
			For Type 316 Stainless Steel Frame, Add	2,836.97	
			For Baked Enamel Finish, Add	442.10	
			For 18 Gauge Frame, Deduct	-134.48	
			For 14 Gauge Frame, Add	336.20	
			For 12 Gauge Frame, Add	511.02	
08 12 13 13-0089	EA		2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,630.48	132.26
			For Auxiliary Frame Reinforcement For Hinges, Add	204.90	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	163.92	
			For Type 304 Stainless Steel Frame, Add	2,471.97	
			For Type 316 Stainless Steel Frame, Add	2,881.76	
			For Baked Enamel Finish, Add	449.47	
			For 18 Gauge Frame, Deduct	-136.60	
			For 14 Gauge Frame, Add	341.49	
			For 12 Gauge Frame, Add	519.07	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,658.45	135.65
		For Auxiliary Frame Reinforcement For Hinges, Add	208.07	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	166.46	
		For Type 304 Stainless Steel Frame, Add	2,510.44	
		For Type 316 Stainless Steel Frame, Add	2,926.58	
		For Baked Enamel Finish, Add	456.84	
		For 18 Gauge Frame, Deduct	-138.72	
		For 14 Gauge Frame, Add	346.79	
		For 12 Gauge Frame, Add	527.12	
08 12 13 13-0091	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,767.30	142.43
		For Auxiliary Frame Reinforcement For Hinges, Add	222.37	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	177.89	
		For Type 304 Stainless Steel Frame, Add	2,682.65	
		For Type 316 Stainless Steel Frame, Add	3,127.39	
		For Baked Enamel Finish, Add	487.46	
		For 18 Gauge Frame, Deduct	-148.25	
		For 14 Gauge Frame, Add	370.61	
		For 12 Gauge Frame, Add	563.33	
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,780.87	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	222.37	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	177.89	
		For Type 304 Stainless Steel Frame, Add	2,683.33	
		For Type 316 Stainless Steel Frame, Add	3,128.07	
		For Baked Enamel Finish, Add	489.50	
		For 18 Gauge Frame, Deduct	-148.25	
		For 14 Gauge Frame, Add	370.61	
		For 12 Gauge Frame, Add	563.33	
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,847.39	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	230.31	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	184.25	
		For Type 304 Stainless Steel Frame, Add	2,779.32	
		For Type 316 Stainless Steel Frame, Add	3,239.94	
		For Baked Enamel Finish, Add	507.42	
		For 18 Gauge Frame, Deduct	-153.54	
		For 14 Gauge Frame, Add	383.85	
		For 12 Gauge Frame, Add	583.45	
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,913.90	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	238.25	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	190.60	
		For Type 304 Stainless Steel Frame, Add	2,875.29	
		For Type 316 Stainless Steel Frame, Add	3,351.79	
		For Baked Enamel Finish, Add	525.34	
		For 18 Gauge Frame, Deduct	-158.83	
		For 14 Gauge Frame, Add	397.09	
		For 12 Gauge Frame, Add	603.57	
08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,927.46	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	238.25	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	190.60	
		For Type 304 Stainless Steel Frame, Add	2,875.97	
		For Type 316 Stainless Steel Frame, Add	3,352.47	
		For Baked Enamel Finish, Add	527.37	
		For 18 Gauge Frame, Deduct	-158.83	
		For 14 Gauge Frame, Add	397.09	
		For 12 Gauge Frame, Add	603.57	
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,960.71	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	242.22	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	193.78	
		For Type 304 Stainless Steel Frame, Add	2,923.95	
		For Type 316 Stainless Steel Frame, Add	3,408.40	
		For Baked Enamel Finish, Add	536.33	
		For 18 Gauge Frame, Deduct	-161.48	
		For 14 Gauge Frame, Add	403.70	
		For 12 Gauge Frame, Add	613.63	
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,993.97	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	246.19	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	196.95	
		For Type 304 Stainless Steel Frame, Add	2,971.96	
		For Type 316 Stainless Steel Frame, Add	3,464.34	
		For Baked Enamel Finish, Add	545.29	
		For 18 Gauge Frame, Deduct	-164.13	
		For 14 Gauge Frame, Add	410.32	
		For 12 Gauge Frame, Add	623.69	
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,106.63	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	262.07	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	209.66	
		For Type 304 Stainless Steel Frame, Add	3,162.86	
		For Type 316 Stainless Steel Frame, Add	3,687.01	
		For Baked Enamel Finish, Add	578.07	
		For 18 Gauge Frame, Deduct	-174.72	
		For 14 Gauge Frame, Add	436.79	
		For 12 Gauge Frame, Add	663.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0099	EA		8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,219.31	183.13
			For Auxiliary Frame Reinforcement For Hinges, Add	277.96	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	222.37	
			For Type 304 Stainless Steel Frame, Add	3,353.82	
			For Type 316 Stainless Steel Frame, Add	3,909.74	
			For Baked Enamel Finish, Add	610.86	
			For 18 Gauge Frame, Deduct	-185.31	
			For 14 Gauge Frame, Add	463.27	
			For 12 Gauge Frame, Add	704.16	
08 12 13 13-0100			6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0101			6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0100)		
08 12 13 13-0102	EA		2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,279.18	101.74
			For Auxiliary Frame Reinforcement For Hinges, Add	161.36	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	129.09	
			For Type 304 Stainless Steel Frame, Add	1,946.45	
			For Type 316 Stainless Steel Frame, Add	2,269.16	
			For Baked Enamel Finish, Add	353.23	
			For 18 Gauge Frame, Deduct	-107.57	
			For 14 Gauge Frame, Add	268.93	
			For 12 Gauge Frame, Add	408.77	
08 12 13 13-0103	EA		2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,504.42	111.90
			For Auxiliary Frame Reinforcement For Hinges, Add	192.09	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	153.67	
			For Type 304 Stainless Steel Frame, Add	2,316.27	
			For Type 316 Stainless Steel Frame, Add	2,700.45	
			For Baked Enamel Finish, Add	417.75	
			For 18 Gauge Frame, Deduct	-128.06	
			For 14 Gauge Frame, Add	320.15	
			For 12 Gauge Frame, Add	486.63	
08 12 13 13-0104	EA		2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,538.48	118.69
			For Auxiliary Frame Reinforcement For Hinges, Add	195.16	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	156.13	
			For Type 304 Stainless Steel Frame, Add	2,353.83	
			For Type 316 Stainless Steel Frame, Add	2,744.16	
			For Baked Enamel Finish, Add	425.94	
			For 18 Gauge Frame, Deduct	-130.11	
			For 14 Gauge Frame, Add	325.27	
			For 12 Gauge Frame, Add	494.41	
08 12 13 13-0105	EA		2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,558.82	128.86
			For Auxiliary Frame Reinforcement For Hinges, Add	195.16	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	156.13	
			For Type 304 Stainless Steel Frame, Add	2,354.85	
			For Type 316 Stainless Steel Frame, Add	2,745.18	
			For Baked Enamel Finish, Add	428.99	
			For 18 Gauge Frame, Deduct	-130.11	
			For 14 Gauge Frame, Add	325.27	
			For 12 Gauge Frame, Add	494.41	
08 12 13 13-0106	EA		2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,586.09	132.26
			For Auxiliary Frame Reinforcement For Hinges, Add	198.24	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	158.59	
			For Type 304 Stainless Steel Frame, Add	2,392.07	
			For Type 316 Stainless Steel Frame, Add	2,788.54	
			For Baked Enamel Finish, Add	436.15	
			For 18 Gauge Frame, Deduct	-132.16	
			For 14 Gauge Frame, Add	330.40	
			For 12 Gauge Frame, Add	502.20	
08 12 13 13-0107	EA		3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,613.37	135.65
			For Auxiliary Frame Reinforcement For Hinges, Add	201.31	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	161.05	
			For Type 304 Stainless Steel Frame, Add	2,429.29	
			For Type 316 Stainless Steel Frame, Add	2,831.91	
			For Baked Enamel Finish, Add	443.32	
			For 18 Gauge Frame, Deduct	-134.21	
			For 14 Gauge Frame, Add	335.52	
			For 12 Gauge Frame, Add	509.99	
08 12 13 13-0108	EA		3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,719.12	142.43
			For Auxiliary Frame Reinforcement For Hinges, Add	215.14	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	172.11	
			For Type 304 Stainless Steel Frame, Add	2,595.93	
			For Type 316 Stainless Steel Frame, Add	3,026.21	
			For Baked Enamel Finish, Add	473.01	
			For 18 Gauge Frame, Deduct	-143.43	
			For 14 Gauge Frame, Add	358.57	
			For 12 Gauge Frame, Add	545.02	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,732.69	149.22
		For Auxiliary Frame Reinforcement For Hinges, Add	215.14	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	172.11	
		For Type 304 Stainless Steel Frame, Add	2,596.61	
		For Type 316 Stainless Steel Frame, Add	3,026.89	
		For Baked Enamel Finish, Add	475.04	
		For 18 Gauge Frame, Deduct	-143.43	
		For 14 Gauge Frame, Add	358.57	
		For 12 Gauge Frame, Add	545.02	
08 12 13 13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,797.49	155.99
		For Auxiliary Frame Reinforcement For Hinges, Add	222.83	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	178.26	
		For Type 304 Stainless Steel Frame, Add	2,689.50	
		For Type 316 Stainless Steel Frame, Add	3,135.15	
		For Baked Enamel Finish, Add	492.45	
		For 18 Gauge Frame, Deduct	-148.55	
		For 14 Gauge Frame, Add	371.38	
		For 12 Gauge Frame, Add	564.49	
08 12 13 13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,862.28	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	230.51	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	184.41	
		For Type 304 Stainless Steel Frame, Add	2,782.37	
		For Type 316 Stainless Steel Frame, Add	3,243.39	
		For Baked Enamel Finish, Add	509.85	
		For 18 Gauge Frame, Deduct	-153.67	
		For 14 Gauge Frame, Add	384.18	
		For 12 Gauge Frame, Add	583.95	
08 12 13 13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,875.84	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	230.51	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	184.41	
		For Type 304 Stainless Steel Frame, Add	2,783.05	
		For Type 316 Stainless Steel Frame, Add	3,244.07	
		For Baked Enamel Finish, Add	511.88	
		For 18 Gauge Frame, Deduct	-153.67	
		For 14 Gauge Frame, Add	384.18	
		For 12 Gauge Frame, Add	583.95	
08 12 13 13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,908.23	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	234.35	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	187.48	
		For Type 304 Stainless Steel Frame, Add	2,829.49	
		For Type 316 Stainless Steel Frame, Add	3,298.19	
		For Baked Enamel Finish, Add	520.58	
		For 18 Gauge Frame, Deduct	-156.23	
		For 14 Gauge Frame, Add	390.58	
		For 12 Gauge Frame, Add	593.69	
08 12 13 13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,940.62	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	238.19	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	190.55	
		For Type 304 Stainless Steel Frame, Add	2,875.93	
		For Type 316 Stainless Steel Frame, Add	3,352.31	
		For Baked Enamel Finish, Add	529.28	
		For 18 Gauge Frame, Deduct	-158.79	
		For 14 Gauge Frame, Add	396.99	
		For 12 Gauge Frame, Add	603.42	
08 12 13 13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,049.85	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	253.56	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	202.85	
		For Type 304 Stainless Steel Frame, Add	3,060.66	
		For Type 316 Stainless Steel Frame, Add	3,567.77	
		For Baked Enamel Finish, Add	561.03	
		For 18 Gauge Frame, Deduct	-169.04	
		For 14 Gauge Frame, Add	422.60	
		For 12 Gauge Frame, Add	642.34	
08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,159.09	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	268.93	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	215.14	
		For Type 304 Stainless Steel Frame, Add	3,245.42	
		For Type 316 Stainless Steel Frame, Add	3,783.28	
		For Baked Enamel Finish, Add	592.79	
		For 18 Gauge Frame, Deduct	-179.28	
		For 14 Gauge Frame, Add	448.21	
		For 12 Gauge Frame, Add	681.28	

08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock
 Down Hollow Metal Door Frames (08 12 13 13-0100)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,398.70	101.74	
		For Auxiliary Frame Reinforcement For Hinges, Add	179.28		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	143.43		
		For Type 304 Stainless Steel Frame, Add	2,161.59		
		For Type 316 Stainless Steel Frame, Add	2,520.16		
		For Baked Enamel Finish, Add	389.09		
		For 18 Gauge Frame, Deduct	-119.52		
		For 14 Gauge Frame, Add	298.81		
		For 12 Gauge Frame, Add	454.19		
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,646.71	111.90	
		For Auxiliary Frame Reinforcement For Hinges, Add	213.43		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	170.75		
		For Type 304 Stainless Steel Frame, Add	2,572.39		
		For Type 316 Stainless Steel Frame, Add	2,999.26		
		For Baked Enamel Finish, Add	460.44		
		For 18 Gauge Frame, Deduct	-142.29		
		For 14 Gauge Frame, Add	355.72		
		For 12 Gauge Frame, Add	540.70		
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,683.04	118.69	
		For Auxiliary Frame Reinforcement For Hinges, Add	216.85		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	173.48		
		For Type 304 Stainless Steel Frame, Add	2,614.04		
		For Type 316 Stainless Steel Frame, Add	3,047.73		
		For Baked Enamel Finish, Add	469.30		
		For 18 Gauge Frame, Deduct	-144.57		
		For 14 Gauge Frame, Add	361.41		
		For 12 Gauge Frame, Add	549.35		
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,703.38	128.86	
		For Auxiliary Frame Reinforcement For Hinges, Add	216.85		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	173.48		
		For Type 304 Stainless Steel Frame, Add	2,615.06		
		For Type 316 Stainless Steel Frame, Add	3,048.75		
		For Baked Enamel Finish, Add	472.35		
		For 18 Gauge Frame, Deduct	-144.57		
		For 14 Gauge Frame, Add	361.41		
		For 12 Gauge Frame, Add	549.35		
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,732.93	132.26	
		For Auxiliary Frame Reinforcement For Hinges, Add	220.26		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	176.21		
		For Type 304 Stainless Steel Frame, Add	2,656.38		
		For Type 316 Stainless Steel Frame, Add	3,096.91		
		For Baked Enamel Finish, Add	480.20		
		For 18 Gauge Frame, Deduct	-146.84		
		For 14 Gauge Frame, Add	367.11		
		For 12 Gauge Frame, Add	558.00		
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,762.49	135.65	
		For Auxiliary Frame Reinforcement For Hinges, Add	223.68		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	178.94		
		For Type 304 Stainless Steel Frame, Add	2,697.71		
		For Type 316 Stainless Steel Frame, Add	3,145.06		
		For Baked Enamel Finish, Add	488.05		
		For 18 Gauge Frame, Deduct	-149.12		
		For 14 Gauge Frame, Add	372.80		
		For 12 Gauge Frame, Add	566.65		
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,878.49	142.43	
		For Auxiliary Frame Reinforcement For Hinges, Add	239.05		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	191.24		
		For Type 304 Stainless Steel Frame, Add	2,882.79		
		For Type 316 Stainless Steel Frame, Add	3,360.89		
		For Baked Enamel Finish, Add	520.82		
		For 18 Gauge Frame, Deduct	-159.36		
		For 14 Gauge Frame, Add	398.41		
		For 12 Gauge Frame, Add	605.58		
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,892.06	149.22	
		For Auxiliary Frame Reinforcement For Hinges, Add	239.05		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	191.24		
		For Type 304 Stainless Steel Frame, Add	2,883.47		
		For Type 316 Stainless Steel Frame, Add	3,361.57		
		For Baked Enamel Finish, Add	522.86		
		For 18 Gauge Frame, Deduct	-159.36		
		For 14 Gauge Frame, Add	398.41		
		For 12 Gauge Frame, Add	605.58		
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,962.54	155.99	
		For Auxiliary Frame Reinforcement For Hinges, Add	247.58		
		For Welded Frames, Add	331.63		
		For Galvanized Frames, Add	198.07		
		For Type 304 Stainless Steel Frame, Add	2,986.59		
		For Type 316 Stainless Steel Frame, Add	3,481.75		
		For Baked Enamel Finish, Add	541.96		
		For 18 Gauge Frame, Deduct	-165.06		
		For 14 Gauge Frame, Add	412.64		
		For 12 Gauge Frame, Add	627.21		

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,033.03	162.77
		For Auxiliary Frame Reinforcement For Hinges, Add	256.12	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	204.90	
		For Type 304 Stainless Steel Frame, Add	3,089.72	
		For Type 316 Stainless Steel Frame, Add	3,601.97	
		For Baked Enamel Finish, Add	561.08	
		For 18 Gauge Frame, Deduct	-170.75	
		For 14 Gauge Frame, Add	426.87	
		For 12 Gauge Frame, Add	648.84	
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,046.59	169.56
		For Auxiliary Frame Reinforcement For Hinges, Add	256.12	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	204.90	
		For Type 304 Stainless Steel Frame, Add	3,090.40	
		For Type 316 Stainless Steel Frame, Add	3,602.64	
		For Baked Enamel Finish, Add	563.11	
		For 18 Gauge Frame, Deduct	-170.75	
		For 14 Gauge Frame, Add	426.87	
		For 12 Gauge Frame, Add	648.84	
08 12 13 13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,081.82	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	260.39	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	208.31	
		For Type 304 Stainless Steel Frame, Add	3,141.95	
		For Type 316 Stainless Steel Frame, Add	3,662.73	
		For Baked Enamel Finish, Add	572.66	
		For 18 Gauge Frame, Deduct	-173.59	
		For 14 Gauge Frame, Add	433.98	
		For 12 Gauge Frame, Add	659.65	
08 12 13 13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,117.06	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	264.66	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	211.73	
		For Type 304 Stainless Steel Frame, Add	3,193.52	
		For Type 316 Stainless Steel Frame, Add	3,722.83	
		For Baked Enamel Finish, Add	582.22	
		For 18 Gauge Frame, Deduct	-176.44	
		For 14 Gauge Frame, Add	441.10	
		For 12 Gauge Frame, Add	670.46	
08 12 13 13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,237.66	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	281.73	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	225.38	
		For Type 304 Stainless Steel Frame, Add	3,398.72	
		For Type 316 Stainless Steel Frame, Add	3,962.17	
		For Baked Enamel Finish, Add	617.38	
		For 18 Gauge Frame, Deduct	-187.82	
		For 14 Gauge Frame, Add	469.55	
		For 12 Gauge Frame, Add	713.71	
08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,358.29	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	298.81	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	239.04	
		For Type 304 Stainless Steel Frame, Add	3,603.98	
		For Type 316 Stainless Steel Frame, Add	4,201.60	
		For Baked Enamel Finish, Add	652.55	
		For 18 Gauge Frame, Deduct	-199.20	
		For 14 Gauge Frame, Add	498.01	
		For 12 Gauge Frame, Add	756.98	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames

(08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames

(08 12 13 13-0133)

08 12 13 13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,329.21	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	168.86	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	135.09	
		For Type 304 Stainless Steel Frame, Add	2,036.51	
		For Type 316 Stainless Steel Frame, Add	2,374.23	
		For Baked Enamel Finish, Add	368.24	
		For 18 Gauge Frame, Deduct	-112.57	
		For 14 Gauge Frame, Add	281.44	
		For 12 Gauge Frame, Add	427.78	
08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,563.98	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	201.02	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	160.82	
		For Type 304 Stainless Steel Frame, Add	2,423.48	
		For Type 316 Stainless Steel Frame, Add	2,825.53	
		For Baked Enamel Finish, Add	435.62	
		For 18 Gauge Frame, Deduct	-134.02	
		For 14 Gauge Frame, Add	335.04	
		For 12 Gauge Frame, Add	509.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0137	EA		2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,599.00	118.69
			For Auxiliary Frame Reinforcement For Hinges, Add	204.24	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	163.39	
			For Type 304 Stainless Steel Frame, Add	2,462.77	
			For Type 316 Stainless Steel Frame, Add	2,871.25	
			For Baked Enamel Finish, Add	444.09	
			For 18 Gauge Frame, Deduct	-136.16	
			For 14 Gauge Frame, Add	340.40	
			For 12 Gauge Frame, Add	517.41	
08 12 13 13-0138	EA		2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,619.34	128.86
			For Auxiliary Frame Reinforcement For Hinges, Add	204.24	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	163.39	
			For Type 304 Stainless Steel Frame, Add	2,463.78	
			For Type 316 Stainless Steel Frame, Add	2,872.27	
			For Baked Enamel Finish, Add	447.14	
			For 18 Gauge Frame, Deduct	-136.16	
			For 14 Gauge Frame, Add	340.40	
			For 12 Gauge Frame, Add	517.41	
08 12 13 13-0139	EA		2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,647.56	132.26
			For Auxiliary Frame Reinforcement For Hinges, Add	207.46	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	165.97	
			For Type 304 Stainless Steel Frame, Add	2,502.72	
			For Type 316 Stainless Steel Frame, Add	2,917.63	
			For Baked Enamel Finish, Add	454.59	
			For 18 Gauge Frame, Deduct	-138.31	
			For 14 Gauge Frame, Add	345.76	
			For 12 Gauge Frame, Add	525.56	
08 12 13 13-0140	EA		3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,675.79	135.65
			For Auxiliary Frame Reinforcement For Hinges, Add	210.67	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	168.54	
			For Type 304 Stainless Steel Frame, Add	2,541.65	
			For Type 316 Stainless Steel Frame, Add	2,962.99	
			For Baked Enamel Finish, Add	462.04	
			For 18 Gauge Frame, Deduct	-140.45	
			For 14 Gauge Frame, Add	351.12	
			For 12 Gauge Frame, Add	533.71	
08 12 13 13-0141	EA		3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,785.83	142.43
			For Auxiliary Frame Reinforcement For Hinges, Add	225.15	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	180.12	
			For Type 304 Stainless Steel Frame, Add	2,716.01	
			For Type 316 Stainless Steel Frame, Add	3,166.30	
			For Baked Enamel Finish, Add	493.02	
			For 18 Gauge Frame, Deduct	-150.10	
			For 14 Gauge Frame, Add	375.25	
			For 12 Gauge Frame, Add	570.37	
08 12 13 13-0142	EA		3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,799.40	149.22
			For Auxiliary Frame Reinforcement For Hinges, Add	225.15	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	180.12	
			For Type 304 Stainless Steel Frame, Add	2,716.69	
			For Type 316 Stainless Steel Frame, Add	3,166.98	
			For Baked Enamel Finish, Add	495.06	
			For 18 Gauge Frame, Deduct	-150.10	
			For 14 Gauge Frame, Add	375.25	
			For 12 Gauge Frame, Add	570.37	
08 12 13 13-0143	EA		4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,866.58	155.99
			For Auxiliary Frame Reinforcement For Hinges, Add	233.19	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	186.55	
			For Type 304 Stainless Steel Frame, Add	2,813.86	
			For Type 316 Stainless Steel Frame, Add	3,280.24	
			For Baked Enamel Finish, Add	513.18	
			For 18 Gauge Frame, Deduct	-155.46	
			For 14 Gauge Frame, Add	388.65	
			For 12 Gauge Frame, Add	590.74	
08 12 13 13-0144	EA		5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,933.76	162.77
			For Auxiliary Frame Reinforcement For Hinges, Add	241.23	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	192.98	
			For Type 304 Stainless Steel Frame, Add	2,911.04	
			For Type 316 Stainless Steel Frame, Add	3,393.50	
			For Baked Enamel Finish, Add	531.29	
			For 18 Gauge Frame, Deduct	-160.82	
			For 14 Gauge Frame, Add	402.05	
			For 12 Gauge Frame, Add	611.12	
08 12 13 13-0145	EA		5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,947.32	169.56
			For Auxiliary Frame Reinforcement For Hinges, Add	241.23	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	192.98	
			For Type 304 Stainless Steel Frame, Add	2,911.72	
			For Type 316 Stainless Steel Frame, Add	3,394.18	
			For Baked Enamel Finish, Add	533.33	
			For 18 Gauge Frame, Deduct	-160.82	
			For 14 Gauge Frame, Add	402.05	
			For 12 Gauge Frame, Add	611.12	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,980.90	172.95
		For Auxiliary Frame Reinforcement For Hinges, Add	245.25	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	196.20	
		For Type 304 Stainless Steel Frame, Add	2,960.30	
		For Type 316 Stainless Steel Frame, Add	3,450.80	
		For Baked Enamel Finish, Add	542.39	
		For 18 Gauge Frame, Deduct	-163.50	
		For 14 Gauge Frame, Add	408.75	
		For 12 Gauge Frame, Add	621.30	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,014.48	176.34
		For Auxiliary Frame Reinforcement For Hinges, Add	249.27	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	199.42	
		For Type 304 Stainless Steel Frame, Add	3,008.87	
		For Type 316 Stainless Steel Frame, Add	3,507.41	
		For Baked Enamel Finish, Add	551.44	
		For 18 Gauge Frame, Deduct	-166.18	
		For 14 Gauge Frame, Add	415.45	
		For 12 Gauge Frame, Add	631.48	
08 12 13 13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,128.47	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	265.35	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	212.28	
		For Type 304 Stainless Steel Frame, Add	3,202.17	
		For Type 316 Stainless Steel Frame, Add	3,732.87	
		For Baked Enamel Finish, Add	584.62	
		For 18 Gauge Frame, Deduct	-176.90	
		For 14 Gauge Frame, Add	442.25	
		For 12 Gauge Frame, Add	672.22	
08 12 13 13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,242.48	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	281.43	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	225.15	
		For Type 304 Stainless Steel Frame, Add	3,395.53	
		For Type 316 Stainless Steel Frame, Add	3,958.40	
		For Baked Enamel Finish, Add	617.81	
		For 18 Gauge Frame, Deduct	-187.62	
		For 14 Gauge Frame, Add	469.06	
		For 12 Gauge Frame, Add	712.97	

08 12 13 13-0150 >7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames

(08 12 13 13-0133)

08 12 13 13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,454.29	101.74
		For Auxiliary Frame Reinforcement For Hinges, Add	187.62	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	150.10	
		For Type 304 Stainless Steel Frame, Add	2,261.65	
		For Type 316 Stainless Steel Frame, Add	2,636.90	
		For Baked Enamel Finish, Add	405.77	
		For 18 Gauge Frame, Deduct	-125.08	
		For 14 Gauge Frame, Add	312.71	
		For 12 Gauge Frame, Add	475.31	
08 12 13 13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,712.89	111.90
		For Auxiliary Frame Reinforcement For Hinges, Add	223.36	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	178.69	
		For Type 304 Stainless Steel Frame, Add	2,691.52	
		For Type 316 Stainless Steel Frame, Add	3,138.24	
		For Baked Enamel Finish, Add	480.29	
		For 18 Gauge Frame, Deduct	-148.91	
		For 14 Gauge Frame, Add	372.27	
		For 12 Gauge Frame, Add	565.85	
08 12 13 13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,750.28	118.69
		For Auxiliary Frame Reinforcement For Hinges, Add	226.93	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	181.55	
		For Type 304 Stainless Steel Frame, Add	2,735.07	
		For Type 316 Stainless Steel Frame, Add	3,188.94	
		For Baked Enamel Finish, Add	489.48	
		For 18 Gauge Frame, Deduct	-151.29	
		For 14 Gauge Frame, Add	378.22	
		For 12 Gauge Frame, Add	574.90	
08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,770.62	128.86
		For Auxiliary Frame Reinforcement For Hinges, Add	226.93	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	181.55	
		For Type 304 Stainless Steel Frame, Add	2,736.09	
		For Type 316 Stainless Steel Frame, Add	3,189.96	
		For Baked Enamel Finish, Add	492.53	
		For 18 Gauge Frame, Deduct	-151.29	
		For 14 Gauge Frame, Add	378.22	
		For 12 Gauge Frame, Add	574.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0155	EA	2'-10" x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,801.23	132.26
			For Auxiliary Frame Reinforcement For Hinges, Add	230.51	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	184.41	
			For Type 304 Stainless Steel Frame, Add	2,779.32	
			For Type 316 Stainless Steel Frame, Add	3,240.34	
			For Baked Enamel Finish, Add	500.69	
			For 18 Gauge Frame, Deduct	-153.67	
			For 14 Gauge Frame, Add	384.18	
			For 12 Gauge Frame, Add	583.95	
08 12 13 13-0156	EA	3' x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,831.85	135.65
			For Auxiliary Frame Reinforcement For Hinges, Add	234.08	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	187.27	
			For Type 304 Stainless Steel Frame, Add	2,822.56	
			For Type 316 Stainless Steel Frame, Add	3,290.72	
			For Baked Enamel Finish, Add	508.86	
			For 18 Gauge Frame, Deduct	-156.06	
			For 14 Gauge Frame, Add	390.14	
			For 12 Gauge Frame, Add	593.01	
08 12 13 13-0157	EA	3'-4" x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,952.61	142.43
			For Auxiliary Frame Reinforcement For Hinges, Add	250.16	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	200.13	
			For Type 304 Stainless Steel Frame, Add	3,016.21	
			For Type 316 Stainless Steel Frame, Add	3,516.54	
			For Baked Enamel Finish, Add	543.06	
			For 18 Gauge Frame, Deduct	-166.78	
			For 14 Gauge Frame, Add	416.94	
			For 12 Gauge Frame, Add	633.75	
08 12 13 13-0158	EA	3'-6" x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,966.18	149.22
			For Auxiliary Frame Reinforcement For Hinges, Add	250.16	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	200.13	
			For Type 304 Stainless Steel Frame, Add	3,016.89	
			For Type 316 Stainless Steel Frame, Add	3,517.22	
			For Baked Enamel Finish, Add	545.09	
			For 18 Gauge Frame, Deduct	-166.78	
			For 14 Gauge Frame, Add	416.94	
			For 12 Gauge Frame, Add	633.75	
08 12 13 13-0159	EA	4' x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,039.31	155.99
			For Auxiliary Frame Reinforcement For Hinges, Add	259.10	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	207.28	
			For Type 304 Stainless Steel Frame, Add	3,124.78	
			For Type 316 Stainless Steel Frame, Add	3,642.97	
			For Baked Enamel Finish, Add	564.99	
			For 18 Gauge Frame, Deduct	-172.73	
			For 14 Gauge Frame, Add	431.83	
			For 12 Gauge Frame, Add	656.38	
08 12 13 13-0160	EA	5' x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,112.44	162.77
			For Auxiliary Frame Reinforcement For Hinges, Add	268.03	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	214.43	
			For Type 304 Stainless Steel Frame, Add	3,232.66	
			For Type 316 Stainless Steel Frame, Add	3,768.73	
			For Baked Enamel Finish, Add	584.90	
			For 18 Gauge Frame, Deduct	-178.69	
			For 14 Gauge Frame, Add	446.72	
			For 12 Gauge Frame, Add	679.01	
08 12 13 13-0161	EA	5'-4" x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,126.00	169.56
			For Auxiliary Frame Reinforcement For Hinges, Add	268.03	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	214.43	
			For Type 304 Stainless Steel Frame, Add	3,233.34	
			For Type 316 Stainless Steel Frame, Add	3,769.40	
			For Baked Enamel Finish, Add	586.93	
			For 18 Gauge Frame, Deduct	-178.69	
			For 14 Gauge Frame, Add	446.72	
			For 12 Gauge Frame, Add	679.01	
08 12 13 13-0162	EA	5'-8" x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	2,162.57	172.95
			For Auxiliary Frame Reinforcement For Hinges, Add	272.50	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	218.00	
			For Type 304 Stainless Steel Frame, Add	3,287.30	
			For Type 316 Stainless Steel Frame, Add	3,832.30	
			For Baked Enamel Finish, Add	596.89	
			For 18 Gauge Frame, Deduct	-181.67	
			For 14 Gauge Frame, Add	454.17	
			For 12 Gauge Frame, Add	690.33	
08 12 13 13-0163	EA	6' x >7'-2"	Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,199.13	176.34
			For Auxiliary Frame Reinforcement For Hinges, Add	276.97	
			For Welded Frames, Add	331.63	
			For Galvanized Frames, Add	221.57	
			For Type 304 Stainless Steel Frame, Add	3,341.24	
			For Type 316 Stainless Steel Frame, Add	3,895.18	
			For Baked Enamel Finish, Add	606.84	
			For 18 Gauge Frame, Deduct	-184.65	
			For 14 Gauge Frame, Add	461.61	
			For 12 Gauge Frame, Add	701.65	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,325.02	179.73
		For Auxiliary Frame Reinforcement For Hinges, Add	294.83	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	235.87	
		For Type 304 Stainless Steel Frame, Add	3,555.96	
		For Type 316 Stainless Steel Frame, Add	4,145.63	
		For Baked Enamel Finish, Add	643.59	
		For 18 Gauge Frame, Deduct	-196.56	
		For 14 Gauge Frame, Add	491.39	
		For 12 Gauge Frame, Add	746.91	
08 12 13 13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,450.95	183.13
		For Auxiliary Frame Reinforcement For Hinges, Add	312.71	
		For Welded Frames, Add	331.63	
		For Galvanized Frames, Add	250.16	
		For Type 304 Stainless Steel Frame, Add	3,770.77	
		For Type 316 Stainless Steel Frame, Add	4,396.18	
		For Baked Enamel Finish, Add	680.35	
		For 18 Gauge Frame, Deduct	-208.47	
		For 14 Gauge Frame, Add	521.18	
		For 12 Gauge Frame, Add	792.19	

08 12 13 13-0166 Sidelights And Transoms (08 12 13 13)
 Note: For non-rated or fire rated frame assemblies

08 12 13 13-0167 Fixed Steel Transoms (08 12 13 13-0166)
 Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	139.23	18.99
		For Movable Frame, Add	27.85	
		For 18 Gauge Frame, Deduct	-10.12	
		For 14 Gauge Frame, Add	25.31	
		For 12 Gauge Frame, Add	38.47	
08 12 13 13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	145.55	19.67
		For Movable Frame, Add	29.11	
		For 18 Gauge Frame, Deduct	-10.62	
		For 14 Gauge Frame, Add	26.56	
		For 12 Gauge Frame, Add	40.36	
08 12 13 13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	152.26	20.35
		For Movable Frame, Add	30.45	
		For 18 Gauge Frame, Deduct	-11.16	
		For 14 Gauge Frame, Add	27.89	
		For 12 Gauge Frame, Add	42.40	

08 12 13 13-0171 Operable Steel Transom Sash (08 12 13 13-0166)
 Note: Includes hardware.

08 12 13 13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	207.62	18.99
		For 18 Gauge Frame, Deduct	-16.96	
		For 14 Gauge Frame, Add	42.41	
		For 12 Gauge Frame, Add	64.46	
08 12 13 13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	217.46	19.67
		For 18 Gauge Frame, Deduct	-17.81	
		For 14 Gauge Frame, Add	44.53	
		For 12 Gauge Frame, Add	67.69	
08 12 13 13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	227.71	20.35
		For 18 Gauge Frame, Deduct	-18.70	
		For 14 Gauge Frame, Add	46.76	
		For 12 Gauge Frame, Add	71.07	

08 12 13 13-0175 Sidelights, Steel Frame (08 12 13 13-0166)
 Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0176	SF	4-3/4" Deep Sidelights, 16 Gauge Frame	146.77	18.99
		For 18 Gauge Frame, Deduct	-10.88	
		For 14 Gauge Frame, Add	27.20	
		For 12 Gauge Frame, Add	41.34	
08 12 13 13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	153.57	19.67
		For 18 Gauge Frame, Deduct	-11.42	
		For 14 Gauge Frame, Add	28.56	
		For 12 Gauge Frame, Add	43.41	
08 12 13 13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	160.61	20.35
		For 18 Gauge Frame, Deduct	-11.99	
		For 14 Gauge Frame, Add	29.98	
		For 12 Gauge Frame, Add	45.57	

08 12 13 13-0179 Sundry Hollow Metal Frame Sections (08 12 13 13)
 Note: For non-rated or fire rated frame assemblies

08 12 13 13-0180 16 Gauge, Hollow Metal Frame Vertical Mullions (08 12 13 13-0179)

08 12 13 13-0181	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	38.37	7.59
		For 18 Gauge Frame, Deduct	-1.93	
		For 14 Gauge Frame, Add	4.82	
		For 12 Gauge Frame, Add	7.32	
		For 3 Hour Frame, Add	8.00	
		For 1-1/2 Hour Frame, Add	5.00	
		For 3/4 Hour Frame, Add	4.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0182	LF		4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	39.15	7.59
			For 18 Gauge Frame, Deduct	-2.00	
			For 14 Gauge Frame, Add	5.01	
			For 12 Gauge Frame, Add	7.62	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0183	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	38.92	7.86
			For 18 Gauge Frame, Deduct	-1.93	
			For 14 Gauge Frame, Add	4.82	
			For 12 Gauge Frame, Add	7.32	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0184	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	40.12	7.86
			For 18 Gauge Frame, Deduct	-2.05	
			For 14 Gauge Frame, Add	5.12	
			For 12 Gauge Frame, Add	7.77	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0185	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	40.31	8.01
			For 18 Gauge Frame, Deduct	-2.02	
			For 14 Gauge Frame, Add	5.06	
			For 12 Gauge Frame, Add	7.68	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0186	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	40.77	8.01
			For 18 Gauge Frame, Deduct	-2.07	
			For 14 Gauge Frame, Add	5.17	
			For 12 Gauge Frame, Add	7.86	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0187 16 Gauge, Hollow Metal Frame Horizontal Rails (08 12 13 13-0179)					
08 12 13 13-0188	LF		4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	28.74	7.59
			For 18 Gauge Frame, Deduct	-0.96	
			For 14 Gauge Frame, Add	2.41	
			For 12 Gauge Frame, Add	3.66	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0189	LF		4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	29.72	7.59
			For 18 Gauge Frame, Deduct	-1.06	
			For 14 Gauge Frame, Add	2.65	
			For 12 Gauge Frame, Add	4.03	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0190	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.29	7.86
			For 18 Gauge Frame, Deduct	-0.96	
			For 14 Gauge Frame, Add	2.41	
			For 12 Gauge Frame, Add	3.66	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0191	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	30.27	7.86
			For 18 Gauge Frame, Deduct	-1.06	
			For 14 Gauge Frame, Add	2.65	
			For 12 Gauge Frame, Add	4.03	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0192	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.20	8.01
			For 18 Gauge Frame, Deduct	-1.01	
			For 14 Gauge Frame, Add	2.53	
			For 12 Gauge Frame, Add	3.84	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0193	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	31.05	8.01
			For 18 Gauge Frame, Deduct	-1.10	
			For 14 Gauge Frame, Add	2.74	
			For 12 Gauge Frame, Add	4.16	
			For 3 Hour Frame, Add	8.00	
			For 1-1/2 Hour Frame, Add	5.00	
			For 3/4 Hour Frame, Add	4.00	
08 12 13 13-0194 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions (08 12 13 13-0179)					
08 12 13 13-0195	EA		4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	897.10	53.17
			For 18 Gauge Frame, Deduct	-76.42	
			For 14 Gauge Frame, Add	191.04	
			For 12 Gauge Frame, Add	290.38	

08 Openings**08 10 Doors and Frames****08 12 Metal Frames**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 12 13 13-0196	EA	4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	927.58	53.17
		For 18 Gauge Frame, Deduct	-79.47	
		For 14 Gauge Frame, Add	198.66	
		For 12 Gauge Frame, Add	301.97	
08 12 13 13-0197	EA	5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,024.19	55.62
		For 18 Gauge Frame, Deduct	-88.72	
		For 14 Gauge Frame, Add	221.80	
		For 12 Gauge Frame, Add	337.13	
		For 3 Hour Frame, Add	56.00	
		For 1-1/2 Hour Frame, Add	36.00	
		For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0198	EA	5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,051.40	55.62
		For 18 Gauge Frame, Deduct	-91.44	
		For 14 Gauge Frame, Add	228.60	
		For 12 Gauge Frame, Add	347.47	
		For 3 Hour Frame, Add	56.00	
		For 1-1/2 Hour Frame, Add	36.00	
		For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0199	EA	6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,185.27	56.97
		For 18 Gauge Frame, Deduct	-104.28	
		For 14 Gauge Frame, Add	260.71	
		For 12 Gauge Frame, Add	396.28	
		For 3 Hour Frame, Add	56.00	
		For 1-1/2 Hour Frame, Add	36.00	
		For 3/4 Hour Frame, Add	28.00	
08 12 13 13-0200	EA	6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,203.78	56.97
		For 18 Gauge Frame, Deduct	-106.14	
		For 14 Gauge Frame, Add	265.34	
		For 12 Gauge Frame, Add	403.31	
		For 3 Hour Frame, Add	56.00	
		For 1-1/2 Hour Frame, Add	36.00	
		For 3/4 Hour Frame, Add	28.00	

08 12 13 13-0201 Metal Frames Accessories (08 12 13 13)

08 12 13 13-0202	EA	For 1' Extension Of New Door Frame	34.56	
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08 12 16 Aluminum Frames (08 12)**08 12 16 00-0001 Aluminum Door Frames (08 12 16)****08 12 16 00-0002 4-7/8" Deep, Aluminum Door Frames (08 12 16 00-0001)**

08 12 16 00-0003	EA	2'-10" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	718.80	132.26
08 12 16 00-0004	EA	3' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	732.63	135.65
08 12 16 00-0005	EA	3'-4" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	777.87	142.43
08 12 16 00-0006	EA	3'-6" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	791.44	149.22
08 12 16 00-0007	EA	4' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	822.62	155.99
08 12 16 00-0008	EA	6' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	772.56	176.34
08 12 16 00-0009	EA	7' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	806.44	179.73
08 12 16 00-0010	EA	8' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	1,314.37	183.13

08 12 16 00-0011 5-1/4" Deep, Aluminum Door Frames (08 12 16 00-0001)

08 12 16 00-0012	EA	2'-10" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	769.27	132.26
08 12 16 00-0013	EA	3' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	783.89	135.65
08 12 16 00-0014	EA	3'-4" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	832.65	142.43
08 12 16 00-0015	EA	3'-6" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	846.22	149.22
08 12 16 00-0016	EA	4' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	879.36	155.99
08 12 16 00-0017	EA	6' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	959.18	176.34
08 12 16 00-0018	EA	7' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	1,005.10	179.73
08 12 16 00-0019	EA	8' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	1,051.01	183.13

08 13 Metal Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors (08 13)**08 13 13 13 Standard Hollow Metal Doors (08 13 13)**

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy-Duty; 16 Gauge, Level 3 Extra Heavy-Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001	20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13)			
08 13 13 13-0002	6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	.....	593.14	74.60
		For Galvanized Steel Door, Add		88.78	
		For Type 304 Stainless Steel Door, Add		355.14	
		For Type 316 Stainless Steel Door, Add		577.10	
		For Embossed Panel Door, Add		106.54	
		For Baked Enamel Finish, Add		155.56	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-33.39	
		For >100, Deduct		-48.22	
		For Polystyrene Core, Add		44.39	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		110.98	
		For Continuously Welded And Filled Vertical Edge Seam, Add		55.49	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	.....	593.14	74.60
		For Galvanized Steel Door, Add		88.78	
		For Type 304 Stainless Steel Door, Add		355.14	
		For Type 316 Stainless Steel Door, Add		577.10	
		For Embossed Panel Door, Add		106.54	
		For Baked Enamel Finish, Add		155.56	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-33.39	
		For >100, Deduct		-48.22	
		For Polystyrene Core, Add		44.39	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		110.98	
		For Continuously Welded And Filled Vertical Edge Seam, Add		55.49	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	.....	608.99	78.00
		For Galvanized Steel Door, Add		90.60	
		For Type 304 Stainless Steel Door, Add		362.40	
		For Type 316 Stainless Steel Door, Add		588.90	
		For Embossed Panel Door, Add		108.72	
		For Baked Enamel Finish, Add		159.30	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-34.35	
		For >100, Deduct		-49.57	
		For Polystyrene Core, Add		45.30	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		113.25	
		For Continuously Welded And Filled Vertical Edge Seam, Add		56.63	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	.....	615.75	78.00
		For Galvanized Steel Door, Add		91.95	
		For Type 304 Stainless Steel Door, Add		367.81	
		For Type 316 Stainless Steel Door, Add		597.69	
		For Embossed Panel Door, Add		110.34	
		For Baked Enamel Finish, Add		161.33	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-34.69	
		For >100, Deduct		-50.08	
		For Polystyrene Core, Add		45.98	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		114.94	
		For Continuously Welded And Filled Vertical Edge Seam, Add		57.47	
08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	.....	621.85	79.69
		For Galvanized Steel Door, Add		92.49	
		For Type 304 Stainless Steel Door, Add		369.98	
		For Type 316 Stainless Steel Door, Add		601.21	
		For Embossed Panel Door, Add		110.99	
		For Baked Enamel Finish, Add		162.65	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-35.08	
		For >100, Deduct		-50.62	
		For Polystyrene Core, Add		46.25	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		115.62	
		For Continuously Welded And Filled Vertical Edge Seam, Add		57.81	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	627.94	81.39
		For Galvanized Steel Door, Add	93.03	
		For Type 304 Stainless Steel Door, Add	372.14	
		For Type 316 Stainless Steel Door, Add	604.72	
		For Embossed Panel Door, Add	111.64	
		For Baked Enamel Finish, Add	163.97	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-35.47	
		For >100, Deduct	-51.16	
		For Polystyrene Core, Add	46.52	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	116.29	
		For Continuously Welded And Filled Vertical Edge Seam, Add	58.15	
08 13 13 13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	663.10	81.39
		For Galvanized Steel Door, Add	100.07	
		For Type 304 Stainless Steel Door, Add	400.26	
		For Type 316 Stainless Steel Door, Add	650.43	
		For Embossed Panel Door, Add	120.08	
		For Baked Enamel Finish, Add	174.51	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-37.22	
		For >100, Deduct	-53.80	
		For Polystyrene Core, Add	50.03	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	125.08	
		For Continuously Welded And Filled Vertical Edge Seam, Add	62.54	
08 13 13 13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	683.42	84.78
		For Galvanized Steel Door, Add	102.77	
		For Type 304 Stainless Steel Door, Add	411.09	
		For Type 316 Stainless Steel Door, Add	668.02	
		For Embossed Panel Door, Add	123.33	
		For Baked Enamel Finish, Add	179.59	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-38.41	
		For >100, Deduct	-55.50	
		For Polystyrene Core, Add	51.39	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	128.47	
		For Continuously Welded And Filled Vertical Edge Seam, Add	64.23	
08 13 13 13-0011	EA	4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	751.07	91.56
		For Galvanized Steel Door, Add	113.59	
		For Type 304 Stainless Steel Door, Add	454.35	
		For Type 316 Stainless Steel Door, Add	738.32	
		For Embossed Panel Door, Add	136.31	
		For Baked Enamel Finish, Add	197.85	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-42.13	
		For >100, Deduct	-60.91	
		For Polystyrene Core, Add	56.79	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	141.99	
		For Continuously Welded And Filled Vertical Edge Seam, Add	70.99	

08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors
(08 13 13 13-0001)

08 13 13 13-0013	EA	2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	604.78	74.60
		For Galvanized Steel Door, Add	91.11	
		For Type 304 Stainless Steel Door, Add	364.45	
		For Type 316 Stainless Steel Door, Add	592.23	
		For Embossed Panel Door, Add	109.33	
		For Baked Enamel Finish, Add	159.05	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-33.97	
		For >100, Deduct	-49.09	
		For Polystyrene Core, Add	45.56	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	113.89	
		For Continuously Welded And Filled Vertical Edge Seam, Add	56.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0014	EA	2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	.....	604.78	74.60
		For Galvanized Steel Door, Add		91.11	
		For Type 304 Stainless Steel Door, Add		364.45	
		For Type 316 Stainless Steel Door, Add		592.23	
		For Embossed Panel Door, Add		109.33	
		For Baked Enamel Finish, Add		159.05	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-33.97	
		For >100, Deduct		-49.09	
		For Polystyrene Core, Add		45.56	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		113.89	
		For Continuously Welded And Filled Vertical Edge Seam, Add		56.95	
08 13 13 13-0015	EA	2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	.....	620.86	78.00
		For Galvanized Steel Door, Add		92.97	
		For Type 304 Stainless Steel Door, Add		371.90	
		For Type 316 Stainless Steel Door, Add		604.33	
		For Embossed Panel Door, Add		111.57	
		For Baked Enamel Finish, Add		162.86	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-34.94	
		For >100, Deduct		-50.46	
		For Polystyrene Core, Add		46.49	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		116.22	
		For Continuously Welded And Filled Vertical Edge Seam, Add		58.11	
08 13 13 13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	.....	627.80	78.00
		For Galvanized Steel Door, Add		94.36	
		For Type 304 Stainless Steel Door, Add		377.45	
		For Type 316 Stainless Steel Door, Add		613.35	
		For Embossed Panel Door, Add		113.23	
		For Baked Enamel Finish, Add		164.94	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-35.29	
		For >100, Deduct		-50.98	
		For Polystyrene Core, Add		47.18	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		117.95	
		For Continuously Welded And Filled Vertical Edge Seam, Add		58.98	
08 13 13 13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	.....	633.97	79.69
		For Galvanized Steel Door, Add		94.92	
		For Type 304 Stainless Steel Door, Add		379.67	
		For Type 316 Stainless Steel Door, Add		616.97	
		For Embossed Panel Door, Add		113.90	
		For Baked Enamel Finish, Add		166.28	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-35.68	
		For >100, Deduct		-51.53	
		For Polystyrene Core, Add		47.46	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		118.65	
		For Continuously Welded And Filled Vertical Edge Seam, Add		59.32	
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	.....	640.13	81.39
		For Galvanized Steel Door, Add		95.47	
		For Type 304 Stainless Steel Door, Add		381.89	
		For Type 316 Stainless Steel Door, Add		620.57	
		For Embossed Panel Door, Add		114.57	
		For Baked Enamel Finish, Add		167.62	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-36.08	
		For >100, Deduct		-52.08	
		For Polystyrene Core, Add		47.74	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		119.34	
		For Continuously Welded And Filled Vertical Edge Seam, Add		59.67	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0019	EA 3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	676.21	81.39
	For Galvanized Steel Door, Add	102.69	
	For Type 304 Stainless Steel Door, Add	410.75	
	For Type 316 Stainless Steel Door, Add	667.47	
	For Embossed Panel Door, Add	123.23	
	For Baked Enamel Finish, Add	178.45	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-37.88	
	For >100, Deduct	-54.79	
	For Polystyrene Core, Add	51.34	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	128.36	
	For Continuously Welded And Filled Vertical Edge Seam, Add	64.18	
08 13 13 13-0020	EA 3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	696.88	84.78
	For Galvanized Steel Door, Add	105.46	
	For Type 304 Stainless Steel Door, Add	421.86	
	For Type 316 Stainless Steel Door, Add	685.52	
	For Embossed Panel Door, Add	126.56	
	For Baked Enamel Finish, Add	183.63	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-39.08	
	For >100, Deduct	-56.51	
	For Polystyrene Core, Add	52.73	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	131.83	
	For Continuously Welded And Filled Vertical Edge Seam, Add	65.92	
08 13 13 13-0021	EA 4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	765.96	91.56
	For Galvanized Steel Door, Add	116.57	
	For Type 304 Stainless Steel Door, Add	466.26	
	For Type 316 Stainless Steel Door, Add	757.68	
	For Embossed Panel Door, Add	139.88	
	For Baked Enamel Finish, Add	202.32	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-42.88	
	For >100, Deduct	-62.03	
	For Polystyrene Core, Add	58.28	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	145.71	
	For Continuously Welded And Filled Vertical Edge Seam, Add	72.85	

08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors

08 13 13 13-0023	EA 2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	616.07	74.60
	For Galvanized Steel Door, Add	93.37	
	For Type 304 Stainless Steel Door, Add	373.48	
	For Type 316 Stainless Steel Door, Add	606.91	
	For Embossed Panel Door, Add	112.04	
	For Baked Enamel Finish, Add	162.44	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-34.53	
	For >100, Deduct	-49.94	
	For Polystyrene Core, Add	46.69	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	116.71	
	For Continuously Welded And Filled Vertical Edge Seam, Add	58.36	
08 13 13 13-0024	EA 2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	616.07	74.60
	For Galvanized Steel Door, Add	93.37	
	For Type 304 Stainless Steel Door, Add	373.48	
	For Type 316 Stainless Steel Door, Add	606.91	
	For Embossed Panel Door, Add	112.04	
	For Baked Enamel Finish, Add	162.44	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-34.53	
	For >100, Deduct	-49.94	
	For Polystyrene Core, Add	46.69	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	116.71	
	For Continuously Welded And Filled Vertical Edge Seam, Add	58.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0025	EA		2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	632.39	78.00
			For Galvanized Steel Door, Add	95.28	
			For Type 304 Stainless Steel Door, Add	381.12	
			For Type 316 Stainless Steel Door, Add	619.32	
			For Embossed Panel Door, Add	114.34	
			For Baked Enamel Finish, Add	166.32	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-35.52	
			For >100, Deduct	-51.33	
			For Polystyrene Core, Add	47.64	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	119.10	
			For Continuously Welded And Filled Vertical Edge Seam, Add	59.55	
08 13 13 13-0026	EA		2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	639.50	78.00
			For Galvanized Steel Door, Add	96.70	
			For Type 304 Stainless Steel Door, Add	386.81	
			For Type 316 Stainless Steel Door, Add	628.56	
			For Embossed Panel Door, Add	116.04	
			For Baked Enamel Finish, Add	168.45	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-35.87	
			For >100, Deduct	-51.86	
			For Polystyrene Core, Add	48.35	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.88	
			For Continuously Welded And Filled Vertical Edge Seam, Add	60.44	
08 13 13 13-0027	EA		2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	645.73	79.69
			For Galvanized Steel Door, Add	97.27	
			For Type 304 Stainless Steel Door, Add	389.08	
			For Type 316 Stainless Steel Door, Add	632.26	
			For Embossed Panel Door, Add	116.72	
			For Baked Enamel Finish, Add	169.81	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-36.27	
			For >100, Deduct	-52.41	
			For Polystyrene Core, Add	48.64	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	121.59	
			For Continuously Welded And Filled Vertical Edge Seam, Add	60.79	
08 13 13 13-0028	EA		3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	651.97	81.39
			For Galvanized Steel Door, Add	97.84	
			For Type 304 Stainless Steel Door, Add	391.36	
			For Type 316 Stainless Steel Door, Add	635.96	
			For Embossed Panel Door, Add	117.41	
			For Baked Enamel Finish, Add	171.18	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-36.67	
			For >100, Deduct	-52.97	
			For Polystyrene Core, Add	48.92	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.30	
			For Continuously Welded And Filled Vertical Edge Seam, Add	61.15	
08 13 13 13-0029	EA		3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	688.94	81.39
			For Galvanized Steel Door, Add	105.23	
			For Type 304 Stainless Steel Door, Add	420.94	
			For Type 316 Stainless Steel Door, Add	684.02	
			For Embossed Panel Door, Add	126.28	
			For Baked Enamel Finish, Add	182.27	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-38.52	
			For >100, Deduct	-55.74	
			For Polystyrene Core, Add	52.62	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	131.54	
			For Continuously Welded And Filled Vertical Edge Seam, Add	65.77	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 13 13 13-0030	EA 3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	709.96		84.78
	For Galvanized Steel Door, Add	108.08		
	For Type 304 Stainless Steel Door, Add	432.32		
	For Type 316 Stainless Steel Door, Add	702.52		
	For Embossed Panel Door, Add	129.70		
	For Baked Enamel Finish, Add	187.55		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-39.74		
	For >100, Deduct	-57.49		
	For Polystyrene Core, Add	54.04		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	135.10		
	For Continuously Welded And Filled Vertical Edge Seam, Add	67.55		
08 13 13 13-0031	EA 4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	780.41		91.56
	For Galvanized Steel Door, Add	119.46		
	For Type 304 Stainless Steel Door, Add	477.82		
	For Type 316 Stainless Steel Door, Add	776.46		
	For Embossed Panel Door, Add	143.35		
	For Baked Enamel Finish, Add	206.65		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-43.60		
	For >100, Deduct	-63.11		
	For Polystyrene Core, Add	59.73		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	149.32		
	For Continuously Welded And Filled Vertical Edge Seam, Add	74.66		
08 13 13 13-0032	18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13			
	13)			
08 13 13 13-0033	6'-8" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal			
	Doors (08 13 13 13-0032)			
08 13 13 13-0034	EA 2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	629.06		74.60
	For Galvanized Steel Door, Add	95.97		
	For Type 304 Stainless Steel Door, Add	383.87		
	For Type 316 Stainless Steel Door, Add	623.79		
	For Embossed Panel Door, Add	115.16		
	For Baked Enamel Finish, Add	166.34		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-35.18		
	For >100, Deduct	-50.91		
	For 2" Thick Door, Add	38.52		
	For Polystyrene Core, Add	47.98		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	119.96		
	For Continuously Welded And Filled Vertical Edge Seam, Add	59.98		
	For Steel Stiffened, Add	119.96		
08 13 13 13-0035	EA 2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	629.06		74.60
	For Galvanized Steel Door, Add	95.97		
	For Type 304 Stainless Steel Door, Add	383.87		
	For Type 316 Stainless Steel Door, Add	623.79		
	For Embossed Panel Door, Add	115.16		
	For Baked Enamel Finish, Add	166.34		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-35.18		
	For >100, Deduct	-50.91		
	For 2" Thick Door, Add	38.52		
	For Polystyrene Core, Add	47.98		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	119.96		
	For Continuously Welded And Filled Vertical Edge Seam, Add	59.98		
	For Steel Stiffened, Add	119.96		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	645.64	78.00	
		For Galvanized Steel Door, Add	97.93		
		For Type 304 Stainless Steel Door, Add	391.72		
		For Type 316 Stainless Steel Door, Add	636.55		
		For Embossed Panel Door, Add	117.52		
		For Baked Enamel Finish, Add	170.29		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-36.18		
		For >100, Deduct	-52.32		
		For 2" Thick Door, Add	39.40		
		For Polystyrene Core, Add	48.97		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.41		
		For Continuously Welded And Filled Vertical Edge Seam, Add	61.21		
		For Steel Stiffened, Add	122.41		
08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	652.95	78.00	
		For Galvanized Steel Door, Add	99.39		
		For Type 304 Stainless Steel Door, Add	397.57		
		For Type 316 Stainless Steel Door, Add	646.05		
		For Embossed Panel Door, Add	119.27		
		For Baked Enamel Finish, Add	172.49		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-36.55		
		For >100, Deduct	-52.87		
		For 2" Thick Door, Add	39.93		
		For Polystyrene Core, Add	49.70		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	124.24		
		For Continuously Welded And Filled Vertical Edge Seam, Add	62.12		
		For Steel Stiffened, Add	124.24		
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	659.25	79.69	
		For Galvanized Steel Door, Add	99.97		
		For Type 304 Stainless Steel Door, Add	399.90		
		For Type 316 Stainless Steel Door, Add	649.83		
		For Embossed Panel Door, Add	119.97		
		For Baked Enamel Finish, Add	173.87		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-36.95		
		For >100, Deduct	-53.43		
		For 2" Thick Door, Add	40.23		
		For Polystyrene Core, Add	49.99		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	124.97		
		For Continuously Welded And Filled Vertical Edge Seam, Add	62.48		
		For Steel Stiffened, Add	124.97		
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	665.58	81.39	
		For Galvanized Steel Door, Add	100.56		
		For Type 304 Stainless Steel Door, Add	402.25		
		For Type 316 Stainless Steel Door, Add	653.65		
		For Embossed Panel Door, Add	120.67		
		For Baked Enamel Finish, Add	175.26		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-37.35		
		For >100, Deduct	-53.99		
		For 2" Thick Door, Add	40.52		
		For Polystyrene Core, Add	50.28		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	125.70		
		For Continuously Welded And Filled Vertical Edge Seam, Add	62.85		
		For Steel Stiffened, Add	125.70		
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	703.58	81.39	
		For Galvanized Steel Door, Add	108.16		
		For Type 304 Stainless Steel Door, Add	432.65		
		For Type 316 Stainless Steel Door, Add	703.05		
		For Embossed Panel Door, Add	129.79		
		For Baked Enamel Finish, Add	186.66		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-39.25		
		For >100, Deduct	-56.84		
		For 2" Thick Door, Add	43.28		
		For Polystyrene Core, Add	54.08		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	135.20		
		For Continuously Welded And Filled Vertical Edge Seam, Add	67.60		
		For Steel Stiffened, Add	135.20		

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0041	EA 3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	724.99	84.78
	For Galvanized Steel Door, Add	111.09	
	For Type 304 Stainless Steel Door, Add	444.34	
	For Type 316 Stainless Steel Door, Add	722.06	
	For Embossed Panel Door, Add	133.30	
	For Baked Enamel Finish, Add	192.06	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-40.49	
	For >100, Deduct	-58.61	
	For 2" Thick Door, Add	44.51	
	For Polystyrene Core, Add	55.54	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	138.86	
	For Continuously Welded And Filled Vertical Edge Seam, Add	69.43	
	For Steel Stiffened, Add	138.86	
08 13 13 13-0042	EA 4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	797.02	91.56
	For Galvanized Steel Door, Add	122.78	
	For Type 304 Stainless Steel Door, Add	491.11	
	For Type 316 Stainless Steel Door, Add	798.06	
	For Embossed Panel Door, Add	147.33	
	For Baked Enamel Finish, Add	211.64	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-44.43	
	For >100, Deduct	-64.35	
	For 2" Thick Door, Add	49.09	
	For Polystyrene Core, Add	61.39	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	153.47	
	For Continuously Welded And Filled Vertical Edge Seam, Add	76.74	
	For Steel Stiffened, Add	153.47	

08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors
(08 13 13 13-0032)

08 13 13 13-0044	EA 2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	640.45	74.60
	For Galvanized Steel Door, Add	98.25	
	For Type 304 Stainless Steel Door, Add	392.98	
	For Type 316 Stainless Steel Door, Add	638.60	
	For Embossed Panel Door, Add	117.90	
	For Baked Enamel Finish, Add	169.75	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-35.75	
	For >100, Deduct	-51.76	
	For 2" Thick Door, Add	39.34	
	For Polystyrene Core, Add	49.12	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.81	
	For Continuously Welded And Filled Vertical Edge Seam, Add	61.40	
	For Steel Stiffened, Add	122.81	
08 13 13 13-0045	EA 2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	640.45	74.60
	For Galvanized Steel Door, Add	98.25	
	For Type 304 Stainless Steel Door, Add	392.98	
	For Type 316 Stainless Steel Door, Add	638.60	
	For Embossed Panel Door, Add	117.90	
	For Baked Enamel Finish, Add	169.75	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-35.75	
	For >100, Deduct	-51.76	
	For 2" Thick Door, Add	39.34	
	For Polystyrene Core, Add	49.12	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.81	
	For Continuously Welded And Filled Vertical Edge Seam, Add	61.40	
	For Steel Stiffened, Add	122.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0046	EA	2'-6" x 7' x 1-3/4"	18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	657.26	78.00
			For Galvanized Steel Door, Add	100.25	
			For Type 304 Stainless Steel Door, Add	401.02	
			For Type 316 Stainless Steel Door, Add	651.65	
			For Embossed Panel Door, Add	120.30	
			For Baked Enamel Finish, Add	173.78	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-36.76	
			For >100, Deduct	-53.19	
			For 2" Thick Door, Add	40.24	
			For Polystyrene Core, Add	50.13	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	125.32	
			For Continuously Welded And Filled Vertical Edge Seam, Add	62.66	
			For Steel Stiffened, Add	125.32	
08 13 13 13-0047	EA	2'-8" x 7' x 1-3/4"	18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	664.74	78.00
			For Galvanized Steel Door, Add	101.75	
			For Type 304 Stainless Steel Door, Add	407.00	
			For Type 316 Stainless Steel Door, Add	661.38	
			For Embossed Panel Door, Add	122.10	
			For Baked Enamel Finish, Add	176.02	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-37.14	
			For >100, Deduct	-53.76	
			For 2" Thick Door, Add	40.78	
			For Polystyrene Core, Add	50.88	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	127.19	
			For Continuously Welded And Filled Vertical Edge Seam, Add	63.59	
			For Steel Stiffened, Add	127.19	
08 13 13 13-0048	EA	2'-10" x 7' x 1-3/4"	18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	671.13	79.69
			For Galvanized Steel Door, Add	102.35	
			For Type 304 Stainless Steel Door, Add	409.40	
			For Type 316 Stainless Steel Door, Add	665.28	
			For Embossed Panel Door, Add	122.82	
			For Baked Enamel Finish, Add	177.43	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-37.54	
			For >100, Deduct	-54.32	
			For 2" Thick Door, Add	41.09	
			For Polystyrene Core, Add	51.18	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	127.94	
			For Continuously Welded And Filled Vertical Edge Seam, Add	63.97	
			For Steel Stiffened, Add	127.94	
08 13 13 13-0049	EA	3' x 7' x 1-3/4"	18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	677.51	81.39
			For Galvanized Steel Door, Add	102.95	
			For Type 304 Stainless Steel Door, Add	411.79	
			For Type 316 Stainless Steel Door, Add	669.16	
			For Embossed Panel Door, Add	123.54	
			For Baked Enamel Finish, Add	178.84	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-37.94	
			For >100, Deduct	-54.88	
			For 2" Thick Door, Add	41.39	
			For Polystyrene Core, Add	51.47	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	128.69	
			For Continuously Welded And Filled Vertical Edge Seam, Add	64.34	
			For Steel Stiffened, Add	128.69	
08 13 13 13-0050	EA	3'-4" x 7' x 1-3/4"	18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	716.41	81.39
			For Galvanized Steel Door, Add	110.73	
			For Type 304 Stainless Steel Door, Add	442.91	
			For Type 316 Stainless Steel Door, Add	719.73	
			For Embossed Panel Door, Add	132.87	
			For Baked Enamel Finish, Add	190.51	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-39.89	
			For >100, Deduct	-57.80	
			For 2" Thick Door, Add	44.21	
			For Polystyrene Core, Add	55.36	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	138.41	
			For Continuously Welded And Filled Vertical Edge Seam, Add	69.21	
			For Steel Stiffened, Add	138.41	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 13 13 13-0051	EA 3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	738.17		84.78
	For Galvanized Steel Door, Add	113.72		
	For Type 304 Stainless Steel Door, Add	454.89		
	For Type 316 Stainless Steel Door, Add	739.19		
	For Embossed Panel Door, Add	136.47		
	For Baked Enamel Finish, Add	196.02		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-41.15		
	For >100, Deduct	-59.60		
	For 2" Thick Door, Add	45.46		
	For Polystyrene Core, Add	56.86		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	142.15		
	For Continuously Welded And Filled Vertical Edge Seam, Add	71.08		
	For Steel Stiffened, Add	142.15		
08 13 13 13-0052	EA 4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	811.59		91.56
	For Galvanized Steel Door, Add	125.69		
	For Type 304 Stainless Steel Door, Add	502.77		
	For Type 316 Stainless Steel Door, Add	817.00		
	For Embossed Panel Door, Add	150.83		
	For Baked Enamel Finish, Add	216.01		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-45.16		
	For >100, Deduct	-65.45		
	For 2" Thick Door, Add	50.14		
	For Polystyrene Core, Add	62.85		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	157.12		
	For Continuously Welded And Filled Vertical Edge Seam, Add	78.56		
	For Steel Stiffened, Add	157.12		
08 13 13 13-0053	7'-2" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)			
08 13 13 13-0054	EA 2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	651.84		74.60
	For Galvanized Steel Door, Add	100.52		
	For Type 304 Stainless Steel Door, Add	402.10		
	For Type 316 Stainless Steel Door, Add	653.41		
	For Embossed Panel Door, Add	120.63		
	For Baked Enamel Finish, Add	173.17		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-36.32		
	For >100, Deduct	-52.62		
	For 2" Thick Door, Add	40.17		
	For Polystyrene Core, Add	50.26		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	125.66		
	For Continuously Welded And Filled Vertical Edge Seam, Add	62.83		
	For Steel Stiffened, Add	125.66		
08 13 13 13-0055	EA 2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	651.84		74.60
	For Galvanized Steel Door, Add	100.52		
	For Type 304 Stainless Steel Door, Add	402.10		
	For Type 316 Stainless Steel Door, Add	653.41		
	For Embossed Panel Door, Add	120.63		
	For Baked Enamel Finish, Add	173.17		
	For 20 Minute Fire Rated Door, Add	27.63		
	For 45 Minute Fire Rated Door, Add	41.40		
	For 60 Minute Fire Rated Door, Add	55.27		
	For 90 Minute Fire Rated Door, Add	93.38		
	For 3 Hour Fire Rated Door, Add	131.50		
	For >50 To 100, Deduct	-36.32		
	For >100, Deduct	-52.62		
	For 2" Thick Door, Add	40.17		
	For Polystyrene Core, Add	50.26		
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	125.66		
	For Continuously Welded And Filled Vertical Edge Seam, Add	62.83		
	For Steel Stiffened, Add	125.66		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0056	EA		2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	668.88	78.00
			For Galvanized Steel Door, Add	102.58	
			For Type 304 Stainless Steel Door, Add	410.31	
			For Type 316 Stainless Steel Door, Add	666.76	
			For Embossed Panel Door, Add	123.09	
			For Baked Enamel Finish, Add	177.27	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-37.34	
			For >100, Deduct	-54.07	
			For 2" Thick Door, Add	41.08	
			For Polystyrene Core, Add	51.29	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	128.22	
			For Continuously Welded And Filled Vertical Edge Seam, Add	64.11	
			For Steel Stiffened, Add	128.22	
08 13 13 13-0057	EA		2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	676.54	78.00
			For Galvanized Steel Door, Add	104.11	
			For Type 304 Stainless Steel Door, Add	416.44	
			For Type 316 Stainless Steel Door, Add	676.72	
			For Embossed Panel Door, Add	124.93	
			For Baked Enamel Finish, Add	179.56	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-37.73	
			For >100, Deduct	-54.64	
			For 2" Thick Door, Add	41.64	
			For Polystyrene Core, Add	52.06	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	130.14	
			For Continuously Welded And Filled Vertical Edge Seam, Add	65.07	
			For Steel Stiffened, Add	130.14	
08 13 13 13-0058	EA		2'-10" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	683.00	79.69
			For Galvanized Steel Door, Add	104.72	
			For Type 304 Stainless Steel Door, Add	418.90	
			For Type 316 Stainless Steel Door, Add	680.71	
			For Embossed Panel Door, Add	125.67	
			For Baked Enamel Finish, Add	180.99	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-38.13	
			For >100, Deduct	-55.21	
			For 2" Thick Door, Add	41.95	
			For Polystyrene Core, Add	52.36	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	130.91	
			For Continuously Welded And Filled Vertical Edge Seam, Add	65.45	
			For Steel Stiffened, Add	130.91	
08 13 13 13-0059	EA		3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	689.44	81.39
			For Galvanized Steel Door, Add	105.33	
			For Type 304 Stainless Steel Door, Add	421.34	
			For Type 316 Stainless Steel Door, Add	684.67	
			For Embossed Panel Door, Add	126.40	
			For Baked Enamel Finish, Add	182.42	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-38.54	
			For >100, Deduct	-55.78	
			For 2" Thick Door, Add	42.25	
			For Polystyrene Core, Add	52.67	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	131.67	
			For Continuously Welded And Filled Vertical Edge Seam, Add	65.83	
			For Steel Stiffened, Add	131.67	
08 13 13 13-0060	EA		3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	729.25	81.39
			For Galvanized Steel Door, Add	113.30	
			For Type 304 Stainless Steel Door, Add	453.18	
			For Type 316 Stainless Steel Door, Add	736.42	
			For Embossed Panel Door, Add	135.96	
			For Baked Enamel Finish, Add	194.36	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-40.53	
			For >100, Deduct	-58.76	
			For 2" Thick Door, Add	45.14	
			For Polystyrene Core, Add	56.65	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	141.62	
			For Continuously Welded And Filled Vertical Edge Seam, Add	70.81	
			For Steel Stiffened, Add	141.62	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0061	EA 3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	751.35	84.78
	For Galvanized Steel Door, Add	116.36	
	For Type 304 Stainless Steel Door, Add	465.43	
	For Type 316 Stainless Steel Door, Add	756.33	
	For Embossed Panel Door, Add	139.63	
	For Baked Enamel Finish, Add	199.97	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.81	
	For >100, Deduct	-60.59	
	For 2" Thick Door, Add	46.42	
	For Polystyrene Core, Add	58.18	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	145.45	
	For Continuously Welded And Filled Vertical Edge Seam, Add	72.72	
	For Steel Stiffened, Add	145.45	
08 13 13 13-0062	EA 4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	826.16	91.56
	For Galvanized Steel Door, Add	128.61	
	For Type 304 Stainless Steel Door, Add	514.42	
	For Type 316 Stainless Steel Door, Add	835.94	
	For Embossed Panel Door, Add	154.33	
	For Baked Enamel Finish, Add	220.38	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.89	
	For >100, Deduct	-66.54	
	For 2" Thick Door, Add	51.20	
	For Polystyrene Core, Add	64.30	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.76	
	For Continuously Welded And Filled Vertical Edge Seam, Add	80.38	
	For Steel Stiffened, Add	160.76	

08 13 13 13-0063 8' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors
(08 13 13 13-0032)

08 13 13 13-0064	EA 2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	745.77	74.60
	For Up To 1' Extra Height, Add	165.07	
	For 1' To 1'-6" Extra Height, Add	314.92	
	For Galvanized Steel Door, Add	119.31	
	For Type 304 Stainless Steel Door, Add	477.24	
	For Type 316 Stainless Steel Door, Add	775.52	
	For Embossed Panel Door, Add	143.17	
	For Baked Enamel Finish, Add	201.35	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.02	
	For >100, Deduct	-59.66	
	For 2" Thick Door, Add	46.98	
	For Polystyrene Core, Add	59.66	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	149.14	
	For Continuously Welded And Filled Vertical Edge Seam, Add	74.57	
	For Steel Stiffened, Add	149.14	
08 13 13 13-0065	EA 2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	745.77	74.60
	For Up To 1' Extra Height, Add	165.07	
	For 1' To 1'-6" Extra Height, Add	314.92	
	For Galvanized Steel Door, Add	119.31	
	For Type 304 Stainless Steel Door, Add	477.24	
	For Type 316 Stainless Steel Door, Add	775.52	
	For Embossed Panel Door, Add	143.17	
	For Baked Enamel Finish, Add	201.35	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.02	
	For >100, Deduct	-59.66	
	For 2" Thick Door, Add	46.98	
	For Polystyrene Core, Add	59.66	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	149.14	
	For Continuously Welded And Filled Vertical Edge Seam, Add	74.57	
	For Steel Stiffened, Add	149.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0066	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	.....	764.74	78.00
		For Up To 1' Extra Height, Add		168.44	
		For 1' To 1'-6" Extra Height, Add		321.36	
		For Galvanized Steel Door, Add		121.75	
		For Type 304 Stainless Steel Door, Add		487.00	
		For Type 316 Stainless Steel Door, Add		791.38	
		For Embossed Panel Door, Add		146.10	
		For Baked Enamel Finish, Add		206.02	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-42.14	
		For >100, Deduct		-61.26	
		For 2" Thick Door, Add		48.03	
		For Polystyrene Core, Add		60.88	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		152.19	
		For Continuously Welded And Filled Vertical Edge Seam, Add		76.09	
		For Steel Stiffened, Add		152.19	
08 13 13 13-0067	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	.....	773.83	78.00
		For Up To 1' Extra Height, Add		170.96	
		For 1' To 1'-6" Extra Height, Add		326.16	
		For Galvanized Steel Door, Add		123.57	
		For Type 304 Stainless Steel Door, Add		494.27	
		For Type 316 Stainless Steel Door, Add		803.19	
		For Embossed Panel Door, Add		148.28	
		For Baked Enamel Finish, Add		208.75	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-42.59	
		For >100, Deduct		-61.94	
		For 2" Thick Door, Add		48.69	
		For Polystyrene Core, Add		61.78	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		154.46	
		For Continuously Welded And Filled Vertical Edge Seam, Add		77.23	
		For Steel Stiffened, Add		154.46	
08 13 13 13-0068	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	.....	780.85	79.69
		For Up To 1' Extra Height, Add		171.96	
		For 1' To 1'-6" Extra Height, Add		328.07	
		For Galvanized Steel Door, Add		124.29	
		For Type 304 Stainless Steel Door, Add		497.18	
		For Type 316 Stainless Steel Door, Add		807.91	
		For Embossed Panel Door, Add		149.15	
		For Baked Enamel Finish, Add		210.35	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-43.03	
		For >100, Deduct		-62.55	
		For 2" Thick Door, Add		49.04	
		For Polystyrene Core, Add		62.15	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		155.37	
		For Continuously Welded And Filled Vertical Edge Seam, Add		77.68	
		For Steel Stiffened, Add		155.37	
08 13 13 13-0069	EA	3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	.....	787.87	81.39
		For Up To 1' Extra Height, Add		172.97	
		For 1' To 1'-6" Extra Height, Add		329.99	
		For Galvanized Steel Door, Add		125.02	
		For Type 304 Stainless Steel Door, Add		500.08	
		For Type 316 Stainless Steel Door, Add		812.63	
		For Embossed Panel Door, Add		150.02	
		For Baked Enamel Finish, Add		211.95	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-43.46	
		For >100, Deduct		-63.16	
		For 2" Thick Door, Add		49.39	
		For Polystyrene Core, Add		62.51	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		156.28	
		For Continuously Welded And Filled Vertical Edge Seam, Add		78.14	
		For Steel Stiffened, Add		156.28	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0070	EA 3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	835.12	81.39
	For Up To 1' Extra Height, Add	186.04	
	For 1' To 1'-6" Extra Height, Add	354.93	
	For Galvanized Steel Door, Add	134.47	
	For Type 304 Stainless Steel Door, Add	537.88	
	For Type 316 Stainless Steel Door, Add	874.06	
	For Embossed Panel Door, Add	161.36	
	For Baked Enamel Finish, Add	226.12	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.83	
	For >100, Deduct	-66.70	
	For 2" Thick Door, Add	52.81	
	For Polystyrene Core, Add	67.24	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	168.09	
	For Continuously Welded And Filled Vertical Edge Seam, Add	84.04	
	For Steel Stiffened, Add	168.09	
08 13 13 13-0071	EA 3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	860.08	84.78
	For Up To 1' Extra Height, Add	191.07	
	For 1' To 1'-6" Extra Height, Add	364.53	
	For Galvanized Steel Door, Add	138.10	
	For Type 304 Stainless Steel Door, Add	552.42	
	For Type 316 Stainless Steel Door, Add	897.68	
	For Embossed Panel Door, Add	165.72	
	For Baked Enamel Finish, Add	232.59	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.24	
	For >100, Deduct	-68.75	
	For 2" Thick Door, Add	54.30	
	For Polystyrene Core, Add	69.05	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	172.63	
	For Continuously Welded And Filled Vertical Edge Seam, Add	86.32	
	For Steel Stiffened, Add	172.63	
08 13 13 13-0072	EA 4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	946.34	91.56
	For Up To 1' Extra Height, Add	211.18	
	For 1' To 1'-6" Extra Height, Add	402.90	
	For Galvanized Steel Door, Add	152.64	
	For Type 304 Stainless Steel Door, Add	610.57	
	For Type 316 Stainless Steel Door, Add	992.17	
	For Embossed Panel Door, Add	183.17	
	For Baked Enamel Finish, Add	256.43	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-51.90	
	For >100, Deduct	-75.55	
	For 2" Thick Door, Add	59.91	
	For Polystyrene Core, Add	76.32	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	190.80	
	For Continuously Welded And Filled Vertical Edge Seam, Add	95.40	
	For Steel Stiffened, Add	190.80	

08 13 13 13-0073 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal
Doors (08 13 13 13)

08 13 13 13-0074 6'-8" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow
Metal Doors (08 13 13 13-0073)

08 13 13 13-0075	EA 2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	813.80	74.60
	For 14 Gauge, Level 4 Maximum Duty, Add	265.83	
	For Galvanized Steel Door, Add	132.92	
	For Type 304 Stainless Steel Door, Add	531.66	
	For Type 316 Stainless Steel Door, Add	863.95	
	For Embossed Panel Door, Add	159.50	
	For Baked Enamel Finish, Add	221.76	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-44.42	
	For >100, Deduct	-64.77	
	For 2" Thick Door, Add	51.91	
	For Polystyrene Core, Add	66.46	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	166.15	
	For Continuously Welded And Filled Vertical Edge Seam, Add	83.07	
	For Steel Stiffened, Add	166.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0076	EA	2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	.....	813.80	74.60
		For 14 Gauge, Level 4 Maximum Duty, Add		265.83	
		For Galvanized Steel Door, Add		132.92	
		For Type 304 Stainless Steel Door, Add		531.66	
		For Type 316 Stainless Steel Door, Add		863.95	
		For Embossed Panel Door, Add		159.50	
		For Baked Enamel Finish, Add		221.76	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-44.42	
		For >100, Deduct		-64.77	
		For 2" Thick Door, Add		51.91	
		For Polystyrene Core, Add		66.46	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		166.15	
		For Continuously Welded And Filled Vertical Edge Seam, Add		83.07	
		For Steel Stiffened, Add		166.15	
08 13 13 13-0077	EA	2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	.....	834.16	78.00
		For 14 Gauge, Level 4 Maximum Duty, Add		271.27	
		For Galvanized Steel Door, Add		135.63	
		For Type 304 Stainless Steel Door, Add		542.54	
		For Type 316 Stainless Steel Door, Add		881.62	
		For Embossed Panel Door, Add		162.76	
		For Baked Enamel Finish, Add		226.85	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-45.61	
		For >100, Deduct		-66.46	
		For 2" Thick Door, Add		53.07	
		For Polystyrene Core, Add		67.82	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		169.54	
		For Continuously Welded And Filled Vertical Edge Seam, Add		84.77	
		For Steel Stiffened, Add		169.54	
08 13 13 13-0078	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	.....	844.28	78.00
		For 14 Gauge, Level 4 Maximum Duty, Add		275.32	
		For Galvanized Steel Door, Add		137.66	
		For Type 304 Stainless Steel Door, Add		550.63	
		For Type 316 Stainless Steel Door, Add		894.78	
		For Embossed Panel Door, Add		165.19	
		For Baked Enamel Finish, Add		229.89	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-46.11	
		For >100, Deduct		-67.22	
		For 2" Thick Door, Add		53.80	
		For Polystyrene Core, Add		68.83	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		172.07	
		For Continuously Welded And Filled Vertical Edge Seam, Add		86.04	
		For Steel Stiffened, Add		172.07	
08 13 13 13-0079	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	.....	851.73	79.69
		For 14 Gauge, Level 4 Maximum Duty, Add		276.94	
		For Galvanized Steel Door, Add		138.47	
		For Type 304 Stainless Steel Door, Add		553.88	
		For Type 316 Stainless Steel Door, Add		900.06	
		For Embossed Panel Door, Add		166.16	
		For Baked Enamel Finish, Add		231.61	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-46.57	
		For >100, Deduct		-67.86	
		For 2" Thick Door, Add		54.18	
		For Polystyrene Core, Add		69.24	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		173.09	
		For Continuously Welded And Filled Vertical Edge Seam, Add		86.54	
		For Steel Stiffened, Add		173.09	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0080	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	859.16	81.39
		For 14 Gauge, Level 4 Maximum Duty, Add	278.56	
		For Galvanized Steel Door, Add	139.28	
		For Type 304 Stainless Steel Door, Add	557.11	
		For Type 316 Stainless Steel Door, Add	905.31	
		For Embossed Panel Door, Add	167.13	
		For Baked Enamel Finish, Add	233.33	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-47.03	
		For >100, Deduct	-68.51	
		For 2" Thick Door, Add	54.56	
		For Polystyrene Core, Add	69.64	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	174.10	
		For Continuously Welded And Filled Vertical Edge Seam, Add	87.05	
		For Steel Stiffened, Add	174.10	
08 13 13 13-0081	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	911.79	81.39
		For 14 Gauge, Level 4 Maximum Duty, Add	299.61	
		For Galvanized Steel Door, Add	149.80	
		For Type 304 Stainless Steel Door, Add	599.22	
		For Type 316 Stainless Steel Door, Add	973.73	
		For Embossed Panel Door, Add	179.76	
		For Baked Enamel Finish, Add	249.12	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-49.66	
		For >100, Deduct	-72.45	
		For 2" Thick Door, Add	58.37	
		For Polystyrene Core, Add	74.90	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	187.26	
		For Continuously Welded And Filled Vertical Edge Seam, Add	93.63	
		For Steel Stiffened, Add	187.26	
08 13 13 13-0082	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	938.82	84.78
		For 14 Gauge, Level 4 Maximum Duty, Add	307.70	
		For Galvanized Steel Door, Add	153.85	
		For Type 304 Stainless Steel Door, Add	615.41	
		For Type 316 Stainless Steel Door, Add	1,000.04	
		For Embossed Panel Door, Add	184.62	
		For Baked Enamel Finish, Add	256.21	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-51.18	
		For >100, Deduct	-74.65	
		For 2" Thick Door, Add	60.01	
		For Polystyrene Core, Add	76.93	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	192.32	
		For Continuously Welded And Filled Vertical Edge Seam, Add	96.16	
		For Steel Stiffened, Add	192.32	
08 13 13 13-0083	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,033.37	91.56
		For 14 Gauge, Level 4 Maximum Duty, Add	340.10	
		For Galvanized Steel Door, Add	170.05	
		For Type 304 Stainless Steel Door, Add	680.19	
		For Type 316 Stainless Steel Door, Add	1,105.31	
		For Embossed Panel Door, Add	204.06	
		For Baked Enamel Finish, Add	282.54	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-56.25	
		For >100, Deduct	-82.08	
		For 2" Thick Door, Add	66.22	
		For Polystyrene Core, Add	85.02	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	212.56	
		For Continuously Welded And Filled Vertical Edge Seam, Add	106.28	
		For Steel Stiffened, Add	212.56	

08 13 13 13-0084 7' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow
 Metal Doors (08 13 13 13-0073)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0085	EA	2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	.....	829.57	74.60
		For 14 Gauge, Level 4 Maximum Duty, Add		272.14	
		For Galvanized Steel Door, Add		136.07	
		For Type 304 Stainless Steel Door, Add		544.28	
		For Type 316 Stainless Steel Door, Add		884.46	
		For Embossed Panel Door, Add		163.28	
		For Baked Enamel Finish, Add		226.49	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-45.21	
		For >100, Deduct		-65.95	
		For 2" Thick Door, Add		53.06	
		For Polystyrene Core, Add		68.04	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		170.09	
		For Continuously Welded And Filled Vertical Edge Seam, Add		85.04	
		For Steel Stiffened, Add		170.09	
08 13 13 13-0086	EA	2'-4" x 7" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	.....	829.57	74.60
		For 14 Gauge, Level 4 Maximum Duty, Add		272.14	
		For Galvanized Steel Door, Add		136.07	
		For Type 304 Stainless Steel Door, Add		544.28	
		For Type 316 Stainless Steel Door, Add		884.46	
		For Embossed Panel Door, Add		163.28	
		For Baked Enamel Finish, Add		226.49	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-45.21	
		For >100, Deduct		-65.95	
		For 2" Thick Door, Add		53.06	
		For Polystyrene Core, Add		68.04	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		170.09	
		For Continuously Welded And Filled Vertical Edge Seam, Add		85.04	
		For Steel Stiffened, Add		170.09	
08 13 13 13-0087	EA	2'-6" x 7" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	.....	850.25	78.00
		For 14 Gauge, Level 4 Maximum Duty, Add		277.70	
		For Galvanized Steel Door, Add		138.85	
		For Type 304 Stainless Steel Door, Add		555.41	
		For Type 316 Stainless Steel Door, Add		902.54	
		For Embossed Panel Door, Add		166.62	
		For Baked Enamel Finish, Add		231.68	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-46.41	
		For >100, Deduct		-67.67	
		For 2" Thick Door, Add		54.23	
		For Polystyrene Core, Add		69.43	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		173.57	
		For Continuously Welded And Filled Vertical Edge Seam, Add		86.78	
		For Steel Stiffened, Add		173.57	
08 13 13 13-0088	EA	2'-8" x 7" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	.....	860.61	78.00
		For 14 Gauge, Level 4 Maximum Duty, Add		281.85	
		For Galvanized Steel Door, Add		140.92	
		For Type 304 Stainless Steel Door, Add		563.70	
		For Type 316 Stainless Steel Door, Add		916.01	
		For Embossed Panel Door, Add		169.11	
		For Baked Enamel Finish, Add		234.78	
		For 20 Minute Fire Rated Door, Add		27.63	
		For 45 Minute Fire Rated Door, Add		41.40	
		For 60 Minute Fire Rated Door, Add		55.27	
		For 90 Minute Fire Rated Door, Add		93.38	
		For 3 Hour Fire Rated Door, Add		131.50	
		For >50 To 100, Deduct		-46.93	
		For >100, Deduct		-68.45	
		For 2" Thick Door, Add		54.98	
		For Polystyrene Core, Add		70.46	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add		176.16	
		For Continuously Welded And Filled Vertical Edge Seam, Add		88.08	
		For Steel Stiffened, Add		176.16	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 13 13 13-0089	EA 2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	868.15	79.69
	For 14 Gauge, Level 4 Maximum Duty, Add	283.51	
	For Galvanized Steel Door, Add	141.75	
	For Type 304 Stainless Steel Door, Add	567.02	
	For Type 316 Stainless Steel Door, Add	921.40	
	For Embossed Panel Door, Add	170.10	
	For Baked Enamel Finish, Add	236.54	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.39	
	For >100, Deduct	-69.10	
	For 2" Thick Door, Add	55.37	
	For Polystyrene Core, Add	70.88	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	177.19	
	For Continuously Welded And Filled Vertical Edge Seam, Add	88.60	
	For Steel Stiffened, Add	177.19	
08 13 13 13-0090	EA 3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	875.68	81.39
	For 14 Gauge, Level 4 Maximum Duty, Add	285.16	
	For Galvanized Steel Door, Add	142.58	
	For Type 304 Stainless Steel Door, Add	570.33	
	For Type 316 Stainless Steel Door, Add	926.78	
	For Embossed Panel Door, Add	171.10	
	For Baked Enamel Finish, Add	238.29	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.85	
	For >100, Deduct	-69.75	
	For 2" Thick Door, Add	55.76	
	For Polystyrene Core, Add	71.29	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	178.23	
	For Continuously Welded And Filled Vertical Edge Seam, Add	89.11	
	For Steel Stiffened, Add	178.23	
08 13 13 13-0091	EA 3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	929.57	81.39
	For 14 Gauge, Level 4 Maximum Duty, Add	306.72	
	For Galvanized Steel Door, Add	153.36	
	For Type 304 Stainless Steel Door, Add	613.44	
	For Type 316 Stainless Steel Door, Add	996.84	
	For Embossed Panel Door, Add	184.03	
	For Baked Enamel Finish, Add	254.46	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-50.55	
	For >100, Deduct	-73.79	
	For 2" Thick Door, Add	59.66	
	For Polystyrene Core, Add	76.68	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	191.70	
	For Continuously Welded And Filled Vertical Edge Seam, Add	95.85	
	For Steel Stiffened, Add	191.70	
08 13 13 13-0092	EA 3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	957.08	84.78
	For 14 Gauge, Level 4 Maximum Duty, Add	315.01	
	For Galvanized Steel Door, Add	157.50	
	For Type 304 Stainless Steel Door, Add	630.02	
	For Type 316 Stainless Steel Door, Add	1,023.78	
	For Embossed Panel Door, Add	189.00	
	For Baked Enamel Finish, Add	261.69	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-52.09	
	For >100, Deduct	-76.02	
	For 2" Thick Door, Add	61.33	
	For Polystyrene Core, Add	78.75	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	196.88	
	For Continuously Welded And Filled Vertical Edge Seam, Add	98.44	
	For Steel Stiffened, Add	196.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0093	EA		4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,053.55	91.56
			For 14 Gauge, Level 4 Maximum Duty, Add	348.17	
			For Galvanized Steel Door, Add	174.08	
			For Type 304 Stainless Steel Door, Add	696.34	
			For Type 316 Stainless Steel Door, Add	1,131.55	
			For Embossed Panel Door, Add	208.90	
			For Baked Enamel Finish, Add	288.60	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-57.26	
			For >100, Deduct	-83.59	
			For 2" Thick Door, Add	67.68	
			For Polystyrene Core, Add	87.04	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	217.61	
			For Continuously Welded And Filled Vertical Edge Seam, Add	108.80	
			For Steel Stiffened, Add	217.61	
08 13 13 13-0094			7'-2" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow		
			Metal Doors (08 13 13 13-0073)		
08 13 13 13-0095	EA		2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	845.34	74.60
			For 14 Gauge, Level 4 Maximum Duty, Add	278.45	
			For Galvanized Steel Door, Add	139.22	
			For Type 304 Stainless Steel Door, Add	556.90	
			For Type 316 Stainless Steel Door, Add	904.96	
			For Embossed Panel Door, Add	167.07	
			For Baked Enamel Finish, Add	231.22	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-46.00	
			For >100, Deduct	-67.13	
			For 2" Thick Door, Add	54.20	
			For Polystyrene Core, Add	69.61	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	174.03	
			For Continuously Welded And Filled Vertical Edge Seam, Add	87.02	
			For Steel Stiffened, Add	174.03	
08 13 13 13-0096	EA		2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	845.34	74.60
			For 14 Gauge, Level 4 Maximum Duty, Add	278.45	
			For Galvanized Steel Door, Add	139.22	
			For Type 304 Stainless Steel Door, Add	556.90	
			For Type 316 Stainless Steel Door, Add	904.96	
			For Embossed Panel Door, Add	167.07	
			For Baked Enamel Finish, Add	231.22	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-46.00	
			For >100, Deduct	-67.13	
			For 2" Thick Door, Add	54.20	
			For Polystyrene Core, Add	69.61	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	174.03	
			For Continuously Welded And Filled Vertical Edge Seam, Add	87.02	
			For Steel Stiffened, Add	174.03	
08 13 13 13-0097	EA		2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	866.35	78.00
			For 14 Gauge, Level 4 Maximum Duty, Add	284.14	
			For Galvanized Steel Door, Add	142.07	
			For Type 304 Stainless Steel Door, Add	568.29	
			For Type 316 Stainless Steel Door, Add	923.47	
			For Embossed Panel Door, Add	170.49	
			For Baked Enamel Finish, Add	236.51	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-47.22	
			For >100, Deduct	-68.88	
			For 2" Thick Door, Add	55.40	
			For Polystyrene Core, Add	71.04	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	177.59	
			For Continuously Welded And Filled Vertical Edge Seam, Add	88.80	
			For Steel Stiffened, Add	177.59	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 13 13 13-0098	EA 2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	876.95	78.00
	For 14 Gauge, Level 4 Maximum Duty, Add	288.38	
	For Galvanized Steel Door, Add	144.19	
	For Type 304 Stainless Steel Door, Add	576.77	
	For Type 316 Stainless Steel Door, Add	937.25	
	For Embossed Panel Door, Add	173.03	
	For Baked Enamel Finish, Add	239.69	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-47.75	
	For >100, Deduct	-69.67	
	For 2" Thick Door, Add	56.17	
	For Polystyrene Core, Add	72.10	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	180.24	
	For Continuously Welded And Filled Vertical Edge Seam, Add	90.12	
	For Steel Stiffened, Add	180.24	
08 13 13 13-0099	EA 2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	884.59	79.69
	For 14 Gauge, Level 4 Maximum Duty, Add	290.08	
	For Galvanized Steel Door, Add	145.04	
	For Type 304 Stainless Steel Door, Add	580.17	
	For Type 316 Stainless Steel Door, Add	942.77	
	For Embossed Panel Door, Add	174.05	
	For Baked Enamel Finish, Add	241.47	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-48.21	
	For >100, Deduct	-70.33	
	For 2" Thick Door, Add	56.56	
	For Polystyrene Core, Add	72.52	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	181.30	
	For Continuously Welded And Filled Vertical Edge Seam, Add	90.65	
	For Steel Stiffened, Add	181.30	
08 13 13 13-0100	EA 3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	892.21	81.39
	For 14 Gauge, Level 4 Maximum Duty, Add	291.78	
	For Galvanized Steel Door, Add	145.89	
	For Type 304 Stainless Steel Door, Add	583.55	
	For Type 316 Stainless Steel Door, Add	948.27	
	For Embossed Panel Door, Add	175.07	
	For Baked Enamel Finish, Add	243.25	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-48.68	
	For >100, Deduct	-70.99	
	For 2" Thick Door, Add	56.95	
	For Polystyrene Core, Add	72.94	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	182.36	
	For Continuously Welded And Filled Vertical Edge Seam, Add	91.18	
	For Steel Stiffened, Add	182.36	
08 13 13 13-0101	EA 3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	947.34	81.39
	For 14 Gauge, Level 4 Maximum Duty, Add	313.83	
	For Galvanized Steel Door, Add	156.91	
	For Type 304 Stainless Steel Door, Add	627.66	
	For Type 316 Stainless Steel Door, Add	1,019.94	
	For Embossed Panel Door, Add	188.30	
	For Baked Enamel Finish, Add	259.79	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-51.44	
	For >100, Deduct	-75.12	
	For 2" Thick Door, Add	60.95	
	For Polystyrene Core, Add	78.46	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	196.14	
	For Continuously Welded And Filled Vertical Edge Seam, Add	98.07	
	For Steel Stiffened, Add	196.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0102	EA		3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	975.34	84.78
			For 14 Gauge, Level 4 Maximum Duty, Add	322.31	
			For Galvanized Steel Door, Add	161.16	
			For Type 304 Stainless Steel Door, Add	644.62	
			For Type 316 Stainless Steel Door, Add	1,047.51	
			For Embossed Panel Door, Add	193.39	
			For Baked Enamel Finish, Add	267.17	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-53.01	
			For >100, Deduct	-77.39	
			For 2" Thick Door, Add	62.66	
			For Polystyrene Core, Add	80.58	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	201.45	
			For Continuously Welded And Filled Vertical Edge Seam, Add	100.72	
			For Steel Stiffened, Add	201.45	
08 13 13 13-0103	EA		4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,073.73	91.56
			For 14 Gauge, Level 4 Maximum Duty, Add	356.24	
			For Galvanized Steel Door, Add	178.12	
			For Type 304 Stainless Steel Door, Add	712.48	
			For Type 316 Stainless Steel Door, Add	1,157.78	
			For Embossed Panel Door, Add	213.74	
			For Baked Enamel Finish, Add	294.65	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-58.26	
			For >100, Deduct	-85.11	
			For 2" Thick Door, Add	69.15	
			For Polystyrene Core, Add	89.06	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	222.65	
			For Continuously Welded And Filled Vertical Edge Seam, Add	111.33	
			For Steel Stiffened, Add	222.65	
08 13 13 13-0104			8' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0073)		
08 13 13 13-0105	EA		2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	975.44	74.60
			For Up To 1' Extra Height, Add	228.62	
			For 14 Gauge, Level 4 Maximum Duty, Add	330.49	
			For Galvanized Steel Door, Add	165.24	
			For Type 304 Stainless Steel Door, Add	660.98	
			For Type 316 Stainless Steel Door, Add	1,074.09	
			For Embossed Panel Door, Add	198.29	
			For Baked Enamel Finish, Add	270.25	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-52.50	
			For >100, Deduct	-76.89	
			For 2" Thick Door, Add	63.63	
			For Polystyrene Core, Add	82.62	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	206.56	
			For Continuously Welded And Filled Vertical Edge Seam, Add	103.28	
			For Steel Stiffened, Add	206.56	
08 13 13 13-0106	EA		2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	975.44	74.60
			For Up To 1' Extra Height, Add	228.62	
			For 14 Gauge, Level 4 Maximum Duty, Add	330.49	
			For Galvanized Steel Door, Add	165.24	
			For Type 304 Stainless Steel Door, Add	660.98	
			For Type 316 Stainless Steel Door, Add	1,074.09	
			For Embossed Panel Door, Add	198.29	
			For Baked Enamel Finish, Add	270.25	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-52.50	
			For >100, Deduct	-76.89	
			For 2" Thick Door, Add	63.63	
			For Polystyrene Core, Add	82.62	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	206.56	
			For Continuously Welded And Filled Vertical Edge Seam, Add	103.28	
			For Steel Stiffened, Add	206.56	

08 Openings**08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 13 13 13-0107	EA 2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	999.11	78.00
	For Up To 1' Extra Height, Add	233.29	
	For 14 Gauge, Level 4 Maximum Duty, Add	337.25	
	For Galvanized Steel Door, Add	168.62	
	For Type 304 Stainless Steel Door, Add	674.50	
	For Type 316 Stainless Steel Door, Add	1,096.06	
	For Embossed Panel Door, Add	202.35	
	For Baked Enamel Finish, Add	276.33	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-53.86	
	For >100, Deduct	-78.83	
	For 2" Thick Door, Add	65.03	
	For Polystyrene Core, Add	84.31	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	210.78	
	For Continuously Welded And Filled Vertical Edge Seam, Add	105.39	
	For Steel Stiffened, Add	210.78	
08 13 13 13-0108	EA 2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	1,011.70	78.00
	For Up To 1' Extra Height, Add	236.77	
	For 14 Gauge, Level 4 Maximum Duty, Add	342.28	
	For Galvanized Steel Door, Add	171.14	
	For Type 304 Stainless Steel Door, Add	684.57	
	For Type 316 Stainless Steel Door, Add	1,112.42	
	For Embossed Panel Door, Add	205.37	
	For Baked Enamel Finish, Add	280.11	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-54.48	
	For >100, Deduct	-79.78	
	For 2" Thick Door, Add	65.94	
	For Polystyrene Core, Add	85.57	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	213.93	
	For Continuously Welded And Filled Vertical Edge Seam, Add	106.96	
	For Steel Stiffened, Add	213.93	
08 13 13 13-0109	EA 2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	1,020.11	79.69
	For Up To 1' Extra Height, Add	238.16	
	For 14 Gauge, Level 4 Maximum Duty, Add	344.29	
	For Galvanized Steel Door, Add	172.15	
	For Type 304 Stainless Steel Door, Add	688.58	
	For Type 316 Stainless Steel Door, Add	1,118.95	
	For Embossed Panel Door, Add	206.58	
	For Baked Enamel Finish, Add	282.13	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-54.99	
	For >100, Deduct	-80.49	
	For 2" Thick Door, Add	66.39	
	For Polystyrene Core, Add	86.07	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	215.18	
	For Continuously Welded And Filled Vertical Edge Seam, Add	107.59	
	For Steel Stiffened, Add	215.18	
08 13 13 13-0110	EA 3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	1,028.54	81.39
	For Up To 1' Extra Height, Add	239.56	
	For 14 Gauge, Level 4 Maximum Duty, Add	346.31	
	For Galvanized Steel Door, Add	173.15	
	For Type 304 Stainless Steel Door, Add	692.62	
	For Type 316 Stainless Steel Door, Add	1,125.50	
	For Embossed Panel Door, Add	207.78	
	For Baked Enamel Finish, Add	284.15	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-55.50	
	For >100, Deduct	-81.21	
	For 2" Thick Door, Add	66.84	
	For Polystyrene Core, Add	86.58	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	216.44	
	For Continuously Welded And Filled Vertical Edge Seam, Add	108.22	
	For Steel Stiffened, Add	216.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0111	EA		3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	1,093.97	81.39
			For Up To 1' Extra Height, Add	257.66	
			For 14 Gauge, Level 4 Maximum Duty, Add	372.48	
			For Galvanized Steel Door, Add	186.24	
			For Type 304 Stainless Steel Door, Add	744.96	
			For Type 316 Stainless Steel Door, Add	1,210.56	
			For Embossed Panel Door, Add	223.49	
			For Baked Enamel Finish, Add	303.78	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-58.77	
			For >100, Deduct	-86.12	
			For 2" Thick Door, Add	71.58	
			For Polystyrene Core, Add	93.12	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	232.80	
			For Continuously Welded And Filled Vertical Edge Seam, Add	116.40	
			For Steel Stiffened, Add	232.80	
08 13 13 13-0112	EA		3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door.....	1,125.94	84.78
			For Up To 1' Extra Height, Add	264.63	
			For 1' To 1'-6" Extra Height, Add	504.87	
			For 14 Gauge, Level 4 Maximum Duty, Add	382.55	
			For Galvanized Steel Door, Add	191.28	
			For Type 304 Stainless Steel Door, Add	765.10	
			For Type 316 Stainless Steel Door, Add	1,243.29	
			For Embossed Panel Door, Add	229.53	
			For Baked Enamel Finish, Add	312.35	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-60.54	
			For >100, Deduct	-88.68	
			For 2" Thick Door, Add	73.58	
			For Polystyrene Core, Add	95.64	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	239.10	
			For Continuously Welded And Filled Vertical Edge Seam, Add	119.55	
			For Steel Stiffened, Add	239.10	
08 13 13 13-0113	EA		4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,240.17	91.56
			For Up To 1' Extra Height, Add	292.48	
			For 1' To 1'-6" Extra Height, Add	558.01	
			For 14 Gauge, Level 4 Maximum Duty, Add	422.82	
			For Galvanized Steel Door, Add	211.41	
			For Type 304 Stainless Steel Door, Add	845.63	
			For Type 316 Stainless Steel Door, Add	1,374.15	
			For Embossed Panel Door, Add	253.69	
			For Baked Enamel Finish, Add	344.58	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-66.59	
			For >100, Deduct	-97.59	
			For 2" Thick Door, Add	81.21	
			For Polystyrene Core, Add	105.70	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	264.26	
			For Continuously Welded And Filled Vertical Edge Seam, Add	132.13	
			For Steel Stiffened, Add	264.26	

08 13 13 53 Custom Hollow Metal Doors (08 13 13)

08 13 13 53-0001			Steel 18 Gauge 1-3/4" Unrated Door (08 13 13 53)		
08 13 13 53-0002	EA		2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,812.04	169.56
			For 16 Gauge Door, Add	20.30	
08 13 13 53-0003	EA		2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door.....	1,903.23	203.47
			For 16 Gauge Door, Add	20.30	

08 13 73 Sliding Metal Doors (08 13)

08 13 73 00-0001			Sliding Bypass Mirror Doors (08 13 73)		
			Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.		
08 13 73 00-0002	EA		4' x 6' 8", Sliding Bypass Mirror Doors	787.38	101.74
08 13 73 00-0003	EA		5' x 6' 8", Sliding Bypass Mirror Doors	902.50	108.52
08 13 73 00-0004	EA		6' x 6' 8", Sliding Bypass Mirror Doors	1,017.61	115.30
08 13 73 00-0005	EA		8' x 6' 8", Sliding Bypass Mirror Doors	1,234.27	122.08

08 14 Wood Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).
See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors (08 14)

08 14 16 00-0001			1-3/8" Thick, Hollow Core (HC), Wood Doors (08 14 16)		
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08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 14 16 00-0002 Birch Faced Wood Door (08 14 16 00-0001)

08 14 16 00-0003	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	276.31	74.60
	For>50 To 100, Deduct	-17.55	
	For>100, Deduct	-24.45	
08 14 16 00-0004	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	276.31	74.60
	For>50 To 100, Deduct	-17.55	
	For>100, Deduct	-24.45	
08 14 16 00-0005	EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	292.09	78.00
	For>50 To 100, Deduct	-18.50	
	For>100, Deduct	-25.81	
08 14 16 00-0006	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	298.72	78.00
	For>50 To 100, Deduct	-18.84	
	For>100, Deduct	-26.30	
08 14 16 00-0007	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	300.27	78.00
	For>50 To 100, Deduct	-18.91	
	For>100, Deduct	-26.42	
08 14 16 00-0008	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	307.83	81.39
	For>50 To 100, Deduct	-19.46	
	For>100, Deduct	-27.16	
08 14 16 00-0009	EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	322.00	81.39
	For>50 To 100, Deduct	-20.17	
	For>100, Deduct	-28.22	
08 14 16 00-0010	EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	338.98	84.78
	For>50 To 100, Deduct	-21.19	
	For>100, Deduct	-29.66	
08 14 16 00-0011	EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	283.72	74.60
	For>50 To 100, Deduct	-17.92	
	For>100, Deduct	-25.01	
08 14 16 00-0012	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	283.72	74.60
	For>50 To 100, Deduct	-17.92	
	For>100, Deduct	-25.01	
08 14 16 00-0013	EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	300.02	78.00
	For>50 To 100, Deduct	-18.90	
	For>100, Deduct	-26.40	
08 14 16 00-0014	EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	307.03	78.00
	For>50 To 100, Deduct	-19.25	
	For>100, Deduct	-26.93	
08 14 16 00-0015	EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	308.67	78.00
	For>50 To 100, Deduct	-19.33	
	For>100, Deduct	-27.05	
08 14 16 00-0016	EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	316.27	81.39
	For>50 To 100, Deduct	-19.88	
	For>100, Deduct	-27.79	
08 14 16 00-0017	EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	331.26	81.39
	For>50 To 100, Deduct	-20.63	
	For>100, Deduct	-28.91	
08 14 16 00-0018	EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	348.83	84.78
	For>50 To 100, Deduct	-21.68	
	For>100, Deduct	-30.40	
08 14 16 00-0019	EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	309.94	74.60
	For>50 To 100, Deduct	-19.23	
	For>100, Deduct	-26.98	
	For 9' Door Height, Add	33.75	
08 14 16 00-0020	EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	309.94	74.60
	For>50 To 100, Deduct	-19.23	
	For>100, Deduct	-26.98	
	For 9' Door Height, Add	33.75	
08 14 16 00-0021	EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	328.12	78.00
	For>50 To 100, Deduct	-20.31	
	For>100, Deduct	-28.51	
	For 9' Door Height, Add	36.15	
08 14 16 00-0022	EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	336.47	78.00
	For>50 To 100, Deduct	-20.72	
	For>100, Deduct	-29.14	
	For 9' Door Height, Add	37.90	
08 14 16 00-0023	EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	338.44	78.00
	For>50 To 100, Deduct	-20.82	
	For>100, Deduct	-29.28	
	For 9' Door Height, Add	38.31	
08 14 16 00-0024	EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	346.20	81.39
	For>50 To 100, Deduct	-21.38	
	For>100, Deduct	-30.03	
	For 9' Door Height, Add	38.52	
08 14 16 00-0025	EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	364.12	81.39
	For>50 To 100, Deduct	-22.28	
	For>100, Deduct	-31.38	
	For 9' Door Height, Add	42.28	
08 14 16 00-0026	EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	383.78	84.78
	For>50 To 100, Deduct	-23.43	
	For>100, Deduct	-33.02	
	For 9' Door Height, Add	44.99	

08 14 16 00-0027 Oak Faced Wood Door (08 14 16 00-0001)

08 14 16 00-0028	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	406.66	74.60
	For>50 To 100, Deduct	-24.06	
	For>100, Deduct	-34.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	406.66	74.60
		For >50 To 100, Deduct	.....	-24.06	
		For >100, Deduct	.....	-34.23	
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	431.67	78.00
		For >50 To 100, Deduct	.....	-25.48	
		For >100, Deduct	.....	-36.28	
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	445.10	78.00
		For >50 To 100, Deduct	.....	-26.15	
		For >100, Deduct	.....	-37.28	
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	447.46	78.00
		For >50 To 100, Deduct	.....	-26.27	
		For >100, Deduct	.....	-37.46	
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	456.61	81.39
		For >50 To 100, Deduct	.....	-26.90	
		For >100, Deduct	.....	-38.32	
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	485.26	81.39
		For >50 To 100, Deduct	.....	-28.33	
		For >100, Deduct	.....	-40.46	
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	512.71	84.78
		For >50 To 100, Deduct	.....	-29.87	
		For >100, Deduct	.....	-42.69	
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	421.63	74.60
		For >50 To 100, Deduct	.....	-24.81	
		For >100, Deduct	.....	-35.35	
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	421.63	74.60
		For >50 To 100, Deduct	.....	-24.81	
		For >100, Deduct	.....	-35.35	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	447.72	78.00
		For >50 To 100, Deduct	.....	-26.29	
		For >100, Deduct	.....	-37.48	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	461.92	78.00
		For >50 To 100, Deduct	.....	-27.00	
		For >100, Deduct	.....	-38.54	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	464.41	78.00
		For >50 To 100, Deduct	.....	-27.12	
		For >100, Deduct	.....	-38.73	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	473.69	81.39
		For >50 To 100, Deduct	.....	-27.75	
		For >100, Deduct	.....	-39.60	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	504.03	81.39
		For >50 To 100, Deduct	.....	-29.27	
		For >100, Deduct	.....	-41.87	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	532.67	84.78
		For >50 To 100, Deduct	.....	-30.87	
		For >100, Deduct	.....	-44.19	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	474.77	74.60
		For >50 To 100, Deduct	.....	-27.47	
		For >100, Deduct	.....	-39.34	
		For 9' Door Height, Add	.....	68.37	
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	474.77	74.60
		For >50 To 100, Deduct	.....	-27.47	
		For >100, Deduct	.....	-39.34	
		For 9' Door Height, Add	.....	68.37	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	504.60	78.00
		For >50 To 100, Deduct	.....	-29.13	
		For >100, Deduct	.....	-41.74	
		For 9' Door Height, Add	.....	73.21	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	521.56	78.00
		For >50 To 100, Deduct	.....	-29.98	
		For >100, Deduct	.....	-43.02	
		For 9' Door Height, Add	.....	76.77	
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	524.57	78.00
		For >50 To 100, Deduct	.....	-30.13	
		For >100, Deduct	.....	-43.24	
		For 9' Door Height, Add	.....	77.40	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	534.32	81.39
		For >50 To 100, Deduct	.....	-30.79	
		For >100, Deduct	.....	-44.14	
		For 9' Door Height, Add	.....	78.03	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	570.59	81.39
		For >50 To 100, Deduct	.....	-32.60	
		For >100, Deduct	.....	-46.86	
		For 9' Door Height, Add	.....	85.64	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	.....	603.50	84.78
		For >50 To 100, Deduct	.....	-34.41	
		For >100, Deduct	.....	-49.50	
		For 9' Door Height, Add	.....	91.13	
08 14 16 00-0052 Maple Faced Wood Door (08 14 16 00-0001)					
08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	337.87	74.60
		For >50 To 100, Deduct	.....	-20.62	
		For >100, Deduct	.....	-29.07	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	337.87	74.60
		For >50 To 100, Deduct	.....	-20.62	
		For >100, Deduct	.....	-29.07	
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	.....	357.99	78.00
		For >50 To 100, Deduct	.....	-21.80	
		For >100, Deduct	.....	-30.75	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	367.85	78.00
		For >50 To 100, Deduct	-22.29	
		For >100, Deduct	-31.49	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	369.58	78.00
		For >50 To 100, Deduct	-22.38	
		For >100, Deduct	-31.62	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	378.09	81.39
		For >50 To 100, Deduct	-22.97	
		For >100, Deduct	-32.43	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	399.09	81.39
		For >50 To 100, Deduct	-24.02	
		For >100, Deduct	-34.00	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	421.01	84.78
		For >50 To 100, Deduct	-25.29	
		For >100, Deduct	-35.81	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	348.83	74.60
		For >50 To 100, Deduct	-21.17	
		For >100, Deduct	-29.89	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	348.83	74.60
		For >50 To 100, Deduct	-21.17	
		For >100, Deduct	-29.89	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	369.76	78.00
		For >50 To 100, Deduct	-22.39	
		For >100, Deduct	-31.63	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	380.17	78.00
		For >50 To 100, Deduct	-22.91	
		For >100, Deduct	-32.41	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	382.01	78.00
		For >50 To 100, Deduct	-23.00	
		For >100, Deduct	-32.55	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	390.60	81.39
		For >50 To 100, Deduct	-23.60	
		For >100, Deduct	-33.36	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	412.83	81.39
		For >50 To 100, Deduct	-24.71	
		For >100, Deduct	-35.03	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	435.65	84.78
		For >50 To 100, Deduct	-26.02	
		For >100, Deduct	-36.91	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	387.77	74.60
		For >50 To 100, Deduct	-23.12	
		For >100, Deduct	-32.81	
		For 9' Door Height, Add	50.10	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	387.77	74.60
		For >50 To 100, Deduct	-23.12	
		For >100, Deduct	-32.81	
		For 9' Door Height, Add	50.10	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	411.44	78.00
		For >50 To 100, Deduct	-24.47	
		For >100, Deduct	-34.76	
		For 9' Door Height, Add	53.64	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	423.86	78.00
		For >50 To 100, Deduct	-25.09	
		For >100, Deduct	-35.69	
		For 9' Door Height, Add	56.25	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	426.07	78.00
		For >50 To 100, Deduct	-25.20	
		For >100, Deduct	-35.86	
		For 9' Door Height, Add	56.72	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	435.03	81.39
		For >50 To 100, Deduct	-25.82	
		For >100, Deduct	-36.70	
		For 9' Door Height, Add	57.17	
08 14 16 00-0075	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	461.62	81.39
		For >50 To 100, Deduct	-27.15	
		For >100, Deduct	-38.69	
		For 9' Door Height, Add	62.76	
08 14 16 00-0076	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	487.54	84.78
		For >50 To 100, Deduct	-28.62	
		For >100, Deduct	-40.80	
		For 9' Door Height, Add	66.78	
08 14 16 00-0077	Lauan Faced Wood Doors (08 14 16 00-0001)			
08 14 16 00-0078	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	240.60	74.60
		For >50 To 100, Deduct	-15.76	
		For >100, Deduct	-21.78	
08 14 16 00-0079	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	240.60	74.60
		For >50 To 100, Deduct	-15.76	
		For >100, Deduct	-21.78	
08 14 16 00-0080	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	253.56	78.00
		For >50 To 100, Deduct	-16.58	
		For >100, Deduct	-22.92	
08 14 16 00-0081	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	258.79	78.00
		For >50 To 100, Deduct	-16.84	
		For >100, Deduct	-23.31	
08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	260.63	78.00
		For >50 To 100, Deduct	-16.93	
		For >100, Deduct	-23.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0083	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	269.26 -17.53 -24.26	81.39
08 14 16 00-0084	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	279.44 -18.04 -25.03	81.39
08 14 16 00-0085	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door For >50 To 100, Deduct For >100, Deduct	293.71 -18.92 -26.27	84.78
08 14 16 00-0086	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	245.91 -16.03 -22.17	74.60
08 14 16 00-0087	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	249.77 -16.22 -22.46	74.60
08 14 16 00-0088	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	259.24 -16.86 -23.34	78.00
08 14 16 00-0089	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	264.77 -17.14 -23.76	78.00
08 14 16 00-0090	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	271.15 -17.46 -24.24	78.00
08 14 16 00-0091	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	275.45 -17.64 -24.73	81.39
08 14 16 00-0092	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	286.23 -18.38 -25.54	81.39
08 14 16 00-0093	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	306.18 -19.55 -27.20	84.78
08 14 16 00-0094	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	264.78 -16.97 -23.59	74.60
			For 9' Door Height, Add	24.27	
08 14 16 00-0095	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	264.75 -16.97 -23.59	74.60
			For 9' Door Height, Add	24.26	
08 14 16 00-0096	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	279.38 -17.67 -24.85	78.00
			For 9' Door Height, Add	25.91	
08 14 16 00-0097	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	285.97 -18.20 -25.35	78.00
			For 9' Door Height, Add	27.30	
08 14 16 00-0098	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	288.32 -18.32 -25.52	78.00
			For 9' Door Height, Add	27.79	
08 14 16 00-0099	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	297.43 -18.94 -26.38	81.39
			For 9' Door Height, Add	28.28	
08 14 16 00-0100	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	310.31 -19.58 -27.34	81.39
			For 9' Door Height, Add	30.98	
08 14 16 00-0101	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... For >50 To 100, Deduct For >100, Deduct	326.53 -20.57 -28.73	84.78
			For 9' Door Height, Add	32.96	
08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0001)					
08 14 16 00-0103	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	265.43 -17.00 -23.64	74.60
08 14 16 00-0104	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	265.43 -17.00 -23.64	74.60
08 14 16 00-0105	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	280.67 -17.93 -24.95	78.00
08 14 16 00-0106	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	284.68 -18.13 -25.25	78.00
08 14 16 00-0107	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	288.71 -18.34 -25.55	78.00
08 14 16 00-0108	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	299.49 -19.04 -26.53	81.39
08 14 16 00-0109	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door For >50 To 100, Deduct For >100, Deduct	314.54 -19.80 -27.66	81.39

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 14 16 00-0110	EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	331.03		84.78
	For >50 To 100, Deduct	-20.79		
	For >100, Deduct	-29.07		
08 14 16 00-0111	EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	272.18		74.60
	For >50 To 100, Deduct	-17.34		
	For >100, Deduct	-24.14		
08 14 16 00-0112	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	272.18		74.60
	For >50 To 100, Deduct	-17.34		
	For >100, Deduct	-24.14		
08 14 16 00-0113	EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	287.92		78.00
	For >50 To 100, Deduct	-18.30		
	For >100, Deduct	-25.49		
08 14 16 00-0114	EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	292.17		78.00
	For >50 To 100, Deduct	-18.51		
	For >100, Deduct	-25.81		
08 14 16 00-0115	EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	296.44		78.00
	For >50 To 100, Deduct	-18.72		
	For >100, Deduct	-26.13		
08 14 16 00-0116	EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	307.46		81.39
	For >50 To 100, Deduct	-19.44		
	For >100, Deduct	-27.13		
08 14 16 00-0117	EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	323.38		81.39
	For >50 To 100, Deduct	-20.24		
	For >100, Deduct	-28.32		
08 14 16 00-0118	EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	340.43		84.78
	For >50 To 100, Deduct	-21.26		
	For >100, Deduct	-29.77		
08 14 16 00-0119	EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	296.14		74.60
	For >50 To 100, Deduct	-18.54		
	For >100, Deduct	-25.94		
	For 9' Door Height, Add	30.85		
08 14 16 00-0120	EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	296.17		74.60
	For >50 To 100, Deduct	-18.54		
	For >100, Deduct	-25.94		
	For 9' Door Height, Add	30.86		
08 14 16 00-0121	EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	313.64		78.00
	For >50 To 100, Deduct	-19.58		
	For >100, Deduct	-27.42		
	For 9' Door Height, Add	33.11		
08 14 16 00-0122	EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	318.74		78.00
	For >50 To 100, Deduct	-19.84		
	For >100, Deduct	-27.81		
	For 9' Door Height, Add	34.18		
08 14 16 00-0123	EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	323.84		78.00
	For >50 To 100, Deduct	-20.09		
	For >100, Deduct	-28.19		
	For 9' Door Height, Add	35.25		
08 14 16 00-0124	EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	335.69		81.39
	For >50 To 100, Deduct	-20.85		
	For >100, Deduct	-29.25		
	For 9' Door Height, Add	36.31		
08 14 16 00-0125	EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	354.70		81.39
	For >50 To 100, Deduct	-21.80		
	For >100, Deduct	-30.67		
	For 9' Door Height, Add	40.31		
08 14 16 00-0126	EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	373.76		84.78
	For >50 To 100, Deduct	-22.93		
	For >100, Deduct	-32.27		
	For 9' Door Height, Add	42.88		
08 14 16 00-0127	1-3/4" Thick, Hollow Core (HC), Wood Doors (08 14 16)			
08 14 16 00-0128	Birch Faced Wood Doors (08 14 16 00-0127)			
08 14 16 00-0129	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	308.08		74.60
	For >50 To 100, Deduct	-19.13		
	For >100, Deduct	-26.84		
08 14 16 00-0130	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	308.08		74.60
	For >50 To 100, Deduct	-19.13		
	For >100, Deduct	-26.84		
08 14 16 00-0131	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	320.84		78.00
	For >50 To 100, Deduct	-19.94		
	For >100, Deduct	-27.96		
08 14 16 00-0132	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	323.07		78.00
	For >50 To 100, Deduct	-20.05		
	For >100, Deduct	-28.13		
08 14 16 00-0133	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	327.96		78.00
	For >50 To 100, Deduct	-20.30		
	For >100, Deduct	-28.50		
08 14 16 00-0134	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	339.63		81.39
	For >50 To 100, Deduct	-21.05		
	For >100, Deduct	-29.54		
08 14 16 00-0135	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	365.56		81.39
	For >50 To 100, Deduct	-22.35		
	For >100, Deduct	-31.49		
08 14 16 00-0136	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	424.98		84.78
	For >50 To 100, Deduct	-25.49		
	For >100, Deduct	-36.11		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0137	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	437.75	84.78
			For >50 To 100, Deduct	-26.13	
			For >100, Deduct	-37.07	
08 14 16 00-0138	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	463.29	84.78
			For >50 To 100, Deduct	-27.40	
			For >100, Deduct	-38.99	
08 14 16 00-0139	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	317.34	74.60
			For >50 To 100, Deduct	-19.60	
			For >100, Deduct	-27.53	
08 14 16 00-0140	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	317.33	74.60
			For >50 To 100, Deduct	-19.60	
			For >100, Deduct	-27.53	
08 14 16 00-0141	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	330.43	78.00
			For >50 To 100, Deduct	-20.42	
			For >100, Deduct	-28.68	
08 14 16 00-0142	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	332.80	78.00
			For >50 To 100, Deduct	-20.54	
			For >100, Deduct	-28.86	
08 14 16 00-0143	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	337.97	78.00
			For >50 To 100, Deduct	-20.80	
			For >100, Deduct	-29.25	
08 14 16 00-0144	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	349.91	81.39
			For >50 To 100, Deduct	-21.56	
			For >100, Deduct	-30.31	
08 14 16 00-0145	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	377.36	81.39
			For >50 To 100, Deduct	-22.94	
			For >100, Deduct	-32.37	
08 14 16 00-0146	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	439.86	84.78
			For >50 To 100, Deduct	-26.23	
			For >100, Deduct	-37.23	
08 14 16 00-0147	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	453.36	84.78
			For >50 To 100, Deduct	-26.91	
			For >100, Deduct	-38.24	
08 14 16 00-0148	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	480.39	84.78
			For >50 To 100, Deduct	-28.26	
			For >100, Deduct	-40.27	
08 14 16 00-0149	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	350.12	74.60
			For >50 To 100, Deduct	-21.24	
			For >100, Deduct	-29.99	
			For 9' Door Height, Add	42.19	
08 14 16 00-0150	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	350.12	74.60
			For >50 To 100, Deduct	-21.24	
			For >100, Deduct	-29.99	
			For 9' Door Height, Add	42.19	
08 14 16 00-0151	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	364.46	78.00
			For >50 To 100, Deduct	-22.12	
			For >100, Deduct	-31.23	
			For 9' Door Height, Add	43.78	
08 14 16 00-0152	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	367.27	78.00
			For >50 To 100, Deduct	-22.26	
			For >100, Deduct	-31.45	
			For 9' Door Height, Add	44.37	
08 14 16 00-0153	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	373.47	78.00
			For >50 To 100, Deduct	-22.57	
			For >100, Deduct	-31.91	
			For 9' Door Height, Add	45.67	
08 14 16 00-0154	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	386.40	81.39
			For >50 To 100, Deduct	-23.39	
			For >100, Deduct	-33.05	
			For 9' Door Height, Add	46.96	
08 14 16 00-0155	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	419.21	81.39
			For >50 To 100, Deduct	-25.03	
			For >100, Deduct	-35.51	
			For 9' Door Height, Add	53.85	
08 14 16 00-0156	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	492.56	84.78
			For >50 To 100, Deduct	-28.87	
			For >100, Deduct	-41.18	
			For 9' Door Height, Add	67.83	
08 14 16 00-0157	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	508.69	84.78
			For >50 To 100, Deduct	-29.67	
			For >100, Deduct	-42.39	
			For 9' Door Height, Add	71.22	
08 14 16 00-0158	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	541.01	84.78
			For >50 To 100, Deduct	-31.29	
			For >100, Deduct	-44.81	
			For 9' Door Height, Add	78.00	
08 14 16 00-0159			Oak Faced Wood Doors (08 14 16 00-0127)		
08 14 16 00-0160	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	491.55	74.60
			For >50 To 100, Deduct	-28.31	
			For >100, Deduct	-40.60	
08 14 16 00-0161	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	491.55	74.60
			For >50 To 100, Deduct	-28.31	
			For >100, Deduct	-40.60	
08 14 16 00-0162	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	511.19	78.00
			For >50 To 100, Deduct	-29.46	
			For >100, Deduct	-42.24	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	516.01	78.00
		For >50 To 100, Deduct	-29.70	
		For >100, Deduct	-42.60	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	526.55	78.00
		For >50 To 100, Deduct	-30.23	
		For >100, Deduct	-43.39	
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	543.83	81.39
		For >50 To 100, Deduct	-31.26	
		For >100, Deduct	-44.86	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	599.72	81.39
		For >50 To 100, Deduct	-34.06	
		For >100, Deduct	-49.05	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	719.93	84.78
		For >50 To 100, Deduct	-40.24	
		For >100, Deduct	-58.23	
08 14 16 00-0168	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	747.47	84.78
		For >50 To 100, Deduct	-41.61	
		For >100, Deduct	-60.30	
08 14 16 00-0169	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	802.54	84.78
		For >50 To 100, Deduct	-44.37	
		For >100, Deduct	-64.43	
08 14 16 00-0170	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	511.46	74.60
		For >50 To 100, Deduct	-29.30	
		For >100, Deduct	-42.09	
08 14 16 00-0171	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	511.47	74.60
		For >50 To 100, Deduct	-29.30	
		For >100, Deduct	-42.09	
08 14 16 00-0172	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	531.86	78.00
		For >50 To 100, Deduct	-30.49	
		For >100, Deduct	-43.79	
08 14 16 00-0173	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	536.96	78.00
		For >50 To 100, Deduct	-30.75	
		For >100, Deduct	-44.17	
08 14 16 00-0174	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	548.10	78.00
		For >50 To 100, Deduct	-31.30	
		For >100, Deduct	-45.01	
08 14 16 00-0175	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	566.00	81.39
		For >50 To 100, Deduct	-32.37	
		For >100, Deduct	-46.52	
08 14 16 00-0176	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	625.15	81.39
		For >50 To 100, Deduct	-35.33	
		For >100, Deduct	-50.96	
08 14 16 00-0177	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	751.97	84.78
		For >50 To 100, Deduct	-41.84	
		For >100, Deduct	-60.64	
08 14 16 00-0178	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	781.12	84.78
		For >50 To 100, Deduct	-43.30	
		For >100, Deduct	-62.82	
08 14 16 00-0179	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	839.38	84.78
		For >50 To 100, Deduct	-46.21	
		For >100, Deduct	-67.19	
08 14 16 00-0180	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	582.08	74.60
		For >50 To 100, Deduct	-32.83	
		For >100, Deduct	-47.39	
		For 9' Door Height, Add	90.90	
08 14 16 00-0181	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	582.12	74.60
		For >50 To 100, Deduct	-32.84	
		For >100, Deduct	-47.39	
		For 9' Door Height, Add	90.91	
08 14 16 00-0182	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	605.16	78.00
		For >50 To 100, Deduct	-34.16	
		For >100, Deduct	-49.29	
		For 9' Door Height, Add	94.33	
08 14 16 00-0183	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	611.23	78.00
		For >50 To 100, Deduct	-34.46	
		For >100, Deduct	-49.74	
		For 9' Door Height, Add	95.60	
08 14 16 00-0184	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	624.56	78.00
		For >50 To 100, Deduct	-35.13	
		For >100, Deduct	-50.74	
		For 9' Door Height, Add	98.40	
08 14 16 00-0185	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	644.64	81.39
		For >50 To 100, Deduct	-36.30	
		For >100, Deduct	-52.42	
		For 9' Door Height, Add	101.19	
08 14 16 00-0186	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	715.34	81.39
		For >50 To 100, Deduct	-39.84	
		For >100, Deduct	-57.72	
		For 9' Door Height, Add	116.04	
08 14 16 00-0187	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	865.54	84.78
		For >50 To 100, Deduct	-47.52	
		For >100, Deduct	-69.15	
		For 9' Door Height, Add	146.16	
08 14 16 00-0188	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	900.39	84.78
		For >50 To 100, Deduct	-49.26	
		For >100, Deduct	-71.77	
		For 9' Door Height, Add	153.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0189	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	970.01	84.78
			For >50 To 100, Deduct	-52.74	
			For >100, Deduct	-76.99	
			For 9' Door Height, Add	168.09	
08 14 16 00-0190 Maple Faced Wood Doors (08 14 16 00-0127)					
08 14 16 00-0191	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	400.07	74.60
			For >50 To 100, Deduct	-23.73	
			For >100, Deduct	-33.74	
08 14 16 00-0192	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	400.07	74.60
			For >50 To 100, Deduct	-23.73	
			For >100, Deduct	-33.74	
08 14 16 00-0193	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	416.27	78.00
			For >50 To 100, Deduct	-24.71	
			For >100, Deduct	-35.12	
08 14 16 00-0194	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	419.95	78.00
			For >50 To 100, Deduct	-24.90	
			For >100, Deduct	-35.40	
08 14 16 00-0195	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	427.59	78.00
			For >50 To 100, Deduct	-25.28	
			For >100, Deduct	-35.97	
08 14 16 00-0196	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	441.99	81.39
			For >50 To 100, Deduct	-26.17	
			For >100, Deduct	-37.22	
08 14 16 00-0197	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	482.96	81.39
			For >50 To 100, Deduct	-28.22	
			For >100, Deduct	-40.29	
08 14 16 00-0198	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	552.81	84.78
			For >50 To 100, Deduct	-31.88	
			For >100, Deduct	-45.70	
08 14 16 00-0199	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	593.03	84.78
			For >50 To 100, Deduct	-33.89	
			For >100, Deduct	-48.72	
08 14 16 00-0200	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	633.39	84.78
			For >50 To 100, Deduct	-35.91	
			For >100, Deduct	-51.74	
08 14 16 00-0201	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	414.68	74.60
			For >50 To 100, Deduct	-24.46	
			For >100, Deduct	-34.83	
08 14 16 00-0202	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	414.68	74.60
			For >50 To 100, Deduct	-24.46	
			For >100, Deduct	-34.83	
08 14 16 00-0203	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	431.40	78.00
			For >50 To 100, Deduct	-25.47	
			For >100, Deduct	-36.25	
08 14 16 00-0204	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	435.32	78.00
			For >50 To 100, Deduct	-25.67	
			For >100, Deduct	-36.55	
08 14 16 00-0205	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	443.39	78.00
			For >50 To 100, Deduct	-26.07	
			For >100, Deduct	-37.15	
08 14 16 00-0206	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	458.23	81.39
			For >50 To 100, Deduct	-26.98	
			For >100, Deduct	-38.44	
08 14 16 00-0207	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	501.59	81.39
			For >50 To 100, Deduct	-29.15	
			For >100, Deduct	-41.69	
08 14 16 00-0208	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	575.01	84.78
			For >50 To 100, Deduct	-32.99	
			For >100, Deduct	-47.36	
08 14 16 00-0209	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	617.71	84.78
			For >50 To 100, Deduct	-35.12	
			For >100, Deduct	-50.57	
08 14 16 00-0210	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	660.38	84.78
			For >50 To 100, Deduct	-37.26	
			For >100, Deduct	-53.77	
08 14 16 00-0211	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	466.44	74.60
			For >50 To 100, Deduct	-27.05	
			For >100, Deduct	-38.71	
			For 9' Door Height, Add	66.62	
08 14 16 00-0212	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	466.44	74.60
			For >50 To 100, Deduct	-27.05	
			For >100, Deduct	-38.71	
			For 9' Door Height, Add	66.62	
08 14 16 00-0213	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	485.11	78.00
			For >50 To 100, Deduct	-28.16	
			For >100, Deduct	-40.28	
			For 9' Door Height, Add	69.12	
08 14 16 00-0214	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	489.79	78.00
			For >50 To 100, Deduct	-28.39	
			For >100, Deduct	-40.63	
			For 9' Door Height, Add	70.10	
08 14 16 00-0215	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	499.40	78.00
			For >50 To 100, Deduct	-28.87	
			For >100, Deduct	-41.35	
			For 9' Door Height, Add	72.12	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	515.85		81.39
		For >50 To 100, Deduct	-29.86		
		For >100, Deduct	-42.76		
		For 9' Door Height, Add	74.15		
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	567.64		81.39
		For >50 To 100, Deduct	-32.45		
		For >100, Deduct	-46.64		
		For 9' Door Height, Add	85.02		
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	654.10		84.78
		For >50 To 100, Deduct	-36.94		
		For >100, Deduct	-53.30		
		For 9' Door Height, Add	101.75		
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	705.10		84.78
		For >50 To 100, Deduct	-39.49		
		For >100, Deduct	-57.12		
		For 9' Door Height, Add	112.46		
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	756.12		84.78
		For >50 To 100, Deduct	-42.05		
		For >100, Deduct	-60.95		
		For 9' Door Height, Add	123.18		
08 14 16 00-0221 Walnut Faced Wood Doors (08 14 16 00-0127)					
08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	612.98		74.60
		For >50 To 100, Deduct	-34.38		
		For >100, Deduct	-49.70		
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	612.98		74.60
		For >50 To 100, Deduct	-34.38		
		For >100, Deduct	-49.70		
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	622.97		78.00
		For >50 To 100, Deduct	-35.05		
		For >100, Deduct	-50.62		
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	643.54		78.00
		For >50 To 100, Deduct	-36.08		
		For >100, Deduct	-52.17		
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	646.68		78.00
		For >50 To 100, Deduct	-36.23		
		For >100, Deduct	-52.40		
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	656.60		81.39
		For >50 To 100, Deduct	-36.90		
		For >100, Deduct	-53.31		
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	711.72		81.39
		For >50 To 100, Deduct	-39.66		
		For >100, Deduct	-57.45		
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	860.80		84.78
		For >50 To 100, Deduct	-47.28		
		For >100, Deduct	-68.80		
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	895.36		84.78
		For >50 To 100, Deduct	-49.01		
		For >100, Deduct	-71.39		
08 14 16 00-0231	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	964.55		84.78
		For >50 To 100, Deduct	-52.47		
		For >100, Deduct	-76.58		
08 14 16 00-0232	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	639.95		74.60
		For >50 To 100, Deduct	-35.73		
		For >100, Deduct	-51.73		
08 14 16 00-0233	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	639.95		74.60
		For >50 To 100, Deduct	-35.73		
		For >100, Deduct	-51.73		
08 14 16 00-0234	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	650.17		78.00
		For >50 To 100, Deduct	-36.41		
		For >100, Deduct	-52.66		
08 14 16 00-0235	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	671.90		78.00
		For >50 To 100, Deduct	-37.49		
		For >100, Deduct	-54.29		
08 14 16 00-0236	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	675.25		78.00
		For >50 To 100, Deduct	-37.66		
		For >100, Deduct	-54.54		
08 14 16 00-0237	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	685.35		81.39
		For >50 To 100, Deduct	-38.34		
		For >100, Deduct	-55.47		
08 14 16 00-0238	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	743.65		81.39
		For >50 To 100, Deduct	-41.25		
		For >100, Deduct	-59.84		
08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	901.04		84.78
		For >50 To 100, Deduct	-49.29		
		For >100, Deduct	-71.82		
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	937.61		84.78
		For >50 To 100, Deduct	-51.12		
		For >100, Deduct	-74.56		
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	1,010.80		84.78
		For >50 To 100, Deduct	-54.78		
		For >100, Deduct	-80.05		
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door.....	735.65		74.60
		For >50 To 100, Deduct	-40.51		
		For >100, Deduct	-58.90		
		For 9' Door Height, Add	123.15		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	735.65	74.60
		For >50 To 100, Deduct	.....	-40.51	
		For >100, Deduct	.....	-58.90	
		For 9' Door Height, Add	.....	123.15	
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	746.55	78.00
		For >50 To 100, Deduct	.....	-41.23	
		For >100, Deduct	.....	-59.89	
		For 9' Door Height, Add	.....	124.02	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	772.50	78.00
		For >50 To 100, Deduct	.....	-42.52	
		For >100, Deduct	.....	-61.84	
		For 9' Door Height, Add	.....	129.47	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	776.50	78.00
		For >50 To 100, Deduct	.....	-42.72	
		For >100, Deduct	.....	-62.14	
		For 9' Door Height, Add	.....	130.31	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	787.24	81.39
		For >50 To 100, Deduct	.....	-43.43	
		For >100, Deduct	.....	-63.11	
		For 9' Door Height, Add	.....	131.14	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	856.94	81.39
		For >50 To 100, Deduct	.....	-46.92	
		For >100, Deduct	.....	-68.34	
		For 9' Door Height, Add	.....	145.78	
08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	1,043.67	84.78
		For >50 To 100, Deduct	.....	-56.42	
		For >100, Deduct	.....	-82.51	
		For 9' Door Height, Add	.....	183.56	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	1,087.39	84.78
		For >50 To 100, Deduct	.....	-58.61	
		For >100, Deduct	.....	-85.79	
		For 9' Door Height, Add	.....	192.74	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	.....	1,174.82	84.78
		For >50 To 100, Deduct	.....	-62.98	
		For >100, Deduct	.....	-92.35	
		For 9' Door Height, Add	.....	211.10	
08 14 16 00-0252 Lauan Faced Wood Doors (08 14 16 00-0127)					
08 14 16 00-0253	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	265.31	74.60
		For >50 To 100, Deduct	.....	-17.00	
		For >100, Deduct	.....	-23.63	
08 14 16 00-0254	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	265.31	74.60
		For >50 To 100, Deduct	.....	-17.00	
		For >100, Deduct	.....	-23.63	
08 14 16 00-0255	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	280.06	78.00
		For >50 To 100, Deduct	.....	-17.90	
		For >100, Deduct	.....	-24.90	
08 14 16 00-0256	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	286.55	78.00
		For >50 To 100, Deduct	.....	-18.23	
		For >100, Deduct	.....	-25.39	
08 14 16 00-0257	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	287.84	78.00
		For >50 To 100, Deduct	.....	-18.29	
		For >100, Deduct	.....	-25.49	
08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	295.91	81.39
		For >50 To 100, Deduct	.....	-18.86	
		For >100, Deduct	.....	-26.26	
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	310.54	81.39
		For >50 To 100, Deduct	.....	-19.60	
		For >100, Deduct	.....	-27.36	
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	336.20	84.78
		For >50 To 100, Deduct	.....	-21.05	
		For >100, Deduct	.....	-29.45	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	344.51	84.78
		For >50 To 100, Deduct	.....	-21.46	
		For >100, Deduct	.....	-30.08	
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	361.19	84.78
		For >50 To 100, Deduct	.....	-22.30	
		For >100, Deduct	.....	-31.33	
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	272.05	74.60
		For >50 To 100, Deduct	.....	-17.33	
		For >100, Deduct	.....	-24.13	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	272.05	74.60
		For >50 To 100, Deduct	.....	-17.33	
		For >100, Deduct	.....	-24.13	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	287.29	78.00
		For >50 To 100, Deduct	.....	-18.26	
		For >100, Deduct	.....	-25.45	
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	294.16	78.00
		For >50 To 100, Deduct	.....	-18.61	
		For >100, Deduct	.....	-25.96	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	295.52	78.00
		For >50 To 100, Deduct	.....	-18.68	
		For >100, Deduct	.....	-26.06	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	303.65	81.39
		For >50 To 100, Deduct	.....	-19.25	
		For >100, Deduct	.....	-26.84	
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	.....	319.15	81.39
		For >50 To 100, Deduct	.....	-20.03	
		For >100, Deduct	.....	-28.01	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 14 16 00-0270	EA 3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	345.89		84.78
	For >50 To 100, Deduct	-21.53		
	For >100, Deduct	-30.18		
08 14 16 00-0271	EA 3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	354.69		84.78
	For >50 To 100, Deduct	-21.97		
	For >100, Deduct	-30.84		
08 14 16 00-0272	EA 4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	372.33		84.78
	For >50 To 100, Deduct	-22.86		
	For >100, Deduct	-32.16		
08 14 16 00-0273	EA 2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	296.00		74.60
	For >50 To 100, Deduct	-18.53		
	For >100, Deduct	-25.93		
	For 9' Door Height, Add	30.82		
08 14 16 00-0274	EA 2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	296.00		74.60
	For >50 To 100, Deduct	-18.53		
	For >100, Deduct	-25.93		
	For 9' Door Height, Add	30.82		
08 14 16 00-0275	EA 2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	312.88		78.00
	For >50 To 100, Deduct	-19.54		
	For >100, Deduct	-27.37		
	For 9' Door Height, Add	32.95		
08 14 16 00-0276	EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	321.09		78.00
	For >50 To 100, Deduct	-19.95		
	For >100, Deduct	-27.98		
	For 9' Door Height, Add	34.67		
08 14 16 00-0277	EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	322.73		78.00
	For >50 To 100, Deduct	-20.04		
	For >100, Deduct	-28.10		
	For 9' Door Height, Add	35.02		
08 14 16 00-0278	EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	331.13		81.39
	For >50 To 100, Deduct	-20.63		
	For >100, Deduct	-28.90		
	For 9' Door Height, Add	35.36		
08 14 16 00-0279	EA 3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	349.65		81.39
	For >50 To 100, Deduct	-21.55		
	For >100, Deduct	-30.29		
	For 9' Door Height, Add	39.24		
08 14 16 00-0280	EA 3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	380.26		84.78
	For >50 To 100, Deduct	-23.25		
	For >100, Deduct	-32.76		
	For 9' Door Height, Add	44.25		
08 14 16 00-0281	EA 3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	390.80		84.78
	For >50 To 100, Deduct	-23.78		
	For >100, Deduct	-33.55		
	For 9' Door Height, Add	46.46		
08 14 16 00-0282	EA 4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	411.87		84.78
	For >50 To 100, Deduct	-24.83		
	For >100, Deduct	-35.13		
	For 9' Door Height, Add	50.89		
08 14 16 00-0283	Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0127)			
08 14 16 00-0284	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	293.98		74.60
	For >50 To 100, Deduct	-18.43		
	For >100, Deduct	-25.78		
08 14 16 00-0285	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	294.02		74.60
	For >50 To 100, Deduct	-18.43		
	For >100, Deduct	-25.78		
08 14 16 00-0286	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	304.79		78.00
	For >50 To 100, Deduct	-19.14		
	For >100, Deduct	-26.76		
08 14 16 00-0287	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	312.86		78.00
	For >50 To 100, Deduct	-19.54		
	For >100, Deduct	-27.36		
08 14 16 00-0288	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	316.89		78.00
	For >50 To 100, Deduct	-19.74		
	For >100, Deduct	-27.67		
08 14 16 00-0289	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	327.65		81.39
	For >50 To 100, Deduct	-20.45		
	For >100, Deduct	-28.64		
08 14 16 00-0290	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	336.84		81.39
	For >50 To 100, Deduct	-20.91		
	For >100, Deduct	-29.33		
08 14 16 00-0291	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	373.54		84.78
	For >50 To 100, Deduct	-22.92		
	For >100, Deduct	-32.25		
08 14 16 00-0292	EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	383.73		84.78
	For >50 To 100, Deduct	-23.43		
	For >100, Deduct	-33.02		
08 14 16 00-0293	EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	404.16		84.78
	For >50 To 100, Deduct	-24.45		
	For >100, Deduct	-34.55		
08 14 16 00-0294	EA 2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	302.42		74.60
	For >50 To 100, Deduct	-18.85		
	For >100, Deduct	-26.41		
08 14 16 00-0295	EA 2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	302.43		74.60
	For >50 To 100, Deduct	-18.85		
	For >100, Deduct	-26.41		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0296	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	313.44	78.00
			For >50 To 100, Deduct	-19.57	
			For >100, Deduct	-27.41	
08 14 16 00-0297	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	321.98	78.00
			For >50 To 100, Deduct	-20.00	
			For >100, Deduct	-28.05	
08 14 16 00-0298	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	326.25	78.00
			For >50 To 100, Deduct	-20.21	
			For >100, Deduct	-28.37	
08 14 16 00-0299	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	337.25	81.39
			For >50 To 100, Deduct	-20.93	
			For >100, Deduct	-29.36	
08 14 16 00-0300	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	346.98	81.39
			For >50 To 100, Deduct	-21.42	
			For >100, Deduct	-30.09	
08 14 16 00-0301	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	385.42	84.78
			For >50 To 100, Deduct	-23.51	
			For >100, Deduct	-33.15	
08 14 16 00-0302	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	396.21	84.78
			For >50 To 100, Deduct	-24.05	
			For >100, Deduct	-33.95	
08 14 16 00-0303	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	417.80	84.78
			For >50 To 100, Deduct	-25.13	
			For >100, Deduct	-35.57	
08 14 16 00-0304	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	332.30	74.60
			For >50 To 100, Deduct	-20.35	
			For >100, Deduct	-28.65	
			For 9' Door Height, Add	38.45	
08 14 16 00-0305	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	332.30	74.60
			For >50 To 100, Deduct	-20.35	
			For >100, Deduct	-28.65	
			For 9' Door Height, Add	38.45	
08 14 16 00-0306	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	344.14	78.00
			For >50 To 100, Deduct	-21.11	
			For >100, Deduct	-29.71	
			For 9' Door Height, Add	39.51	
08 14 16 00-0307	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	354.34	78.00
			For >50 To 100, Deduct	-21.62	
			For >100, Deduct	-30.48	
			For 9' Door Height, Add	41.65	
08 14 16 00-0308	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	359.44	78.00
			For >50 To 100, Deduct	-21.87	
			For >100, Deduct	-30.86	
			For 9' Door Height, Add	42.72	
08 14 16 00-0309	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	371.28	81.39
			For >50 To 100, Deduct	-22.63	
			For >100, Deduct	-31.92	
			For 9' Door Height, Add	43.79	
08 14 16 00-0310	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	382.92	81.39
			For >50 To 100, Deduct	-23.22	
			For >100, Deduct	-32.79	
			For 9' Door Height, Add	46.23	
08 14 16 00-0311	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	427.53	84.78
			For >50 To 100, Deduct	-25.62	
			For >100, Deduct	-36.30	
			For 9' Door Height, Add	54.17	
08 14 16 00-0312	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	440.41	84.78
			For >50 To 100, Deduct	-26.26	
			For >100, Deduct	-37.27	
			For 9' Door Height, Add	56.88	
08 14 16 00-0313	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	466.22	84.78
			For >50 To 100, Deduct	-27.55	
			For >100, Deduct	-39.21	
			For 9' Door Height, Add	62.30	
08 14 16 00-0314			1-3/8" Thick, Particleboard Core (PC), Wood Doors (08 14 16)		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0315			Birch Faced Wood Doors (08 14 16 00-0314)		
08 14 16 00-0316	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	317.18	74.60
			For 7 Ply Cold Press Construction, Deduct	-3.36	
			For Stave Lumber Core (SLC), Add	125.97	
			For Structural Composite Lumber Core (SCLC), Add	75.58	
			For >50 To 100, Deduct	-19.59	
			For >100, Deduct	-27.52	
08 14 16 00-0317	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	317.21	74.60
			For 7 Ply Cold Press Construction, Deduct	-3.36	
			For Stave Lumber Core (SLC), Add	125.99	
			For Structural Composite Lumber Core (SCLC), Add	75.60	
			For >50 To 100, Deduct	-19.59	
			For >100, Deduct	-27.52	
08 14 16 00-0318	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	332.79	78.00
			For 7 Ply Cold Press Construction, Deduct	-3.54	
			For Stave Lumber Core (SLC), Add	132.60	
			For Structural Composite Lumber Core (SCLC), Add	79.56	
			For >50 To 100, Deduct	-20.54	
			For >100, Deduct	-28.86	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0319	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	341.60	78.00
		For 7 Ply Cold Press Construction, Deduct	-3.71	
		For Stave Lumber Core (SLC), Add	139.21	
		For Structural Composite Lumber Core (SCLC), Add	83.52	
		For >50 To 100, Deduct	-20.98	
		For >100, Deduct	-29.52	
08 14 16 00-0320	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	346.97	78.00
		For 7 Ply Cold Press Construction, Deduct	-3.82	
		For Stave Lumber Core (SLC), Add	143.24	
		For Structural Composite Lumber Core (SCLC), Add	85.94	
		For >50 To 100, Deduct	-21.25	
		For >100, Deduct	-29.92	
08 14 16 00-0321	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	359.15	81.39
		For 7 Ply Cold Press Construction, Deduct	-3.93	
		For Stave Lumber Core (SLC), Add	147.29	
		For Structural Composite Lumber Core (SCLC), Add	88.37	
		For >50 To 100, Deduct	-22.03	
		For >100, Deduct	-31.01	
08 14 16 00-0322	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	380.69	81.39
		For 7 Ply Cold Press Construction, Deduct	-4.36	
		For Stave Lumber Core (SLC), Add	163.44	
		For Structural Composite Lumber Core (SCLC), Add	98.06	
		For >50 To 100, Deduct	-23.10	
		For >100, Deduct	-32.62	
08 14 16 00-0323	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	401.42	84.78
		For 7 Ply Cold Press Construction, Deduct	-4.64	
		For Stave Lumber Core (SLC), Add	173.90	
		For Structural Composite Lumber Core (SCLC), Add	104.34	
		For >50 To 100, Deduct	-24.31	
		For >100, Deduct	-34.35	
08 14 16 00-0324	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	326.96	74.60
		For 7 Ply Cold Press Construction, Deduct	-3.55	
		For Stave Lumber Core (SLC), Add	133.31	
		For Structural Composite Lumber Core (SCLC), Add	79.98	
		For >50 To 100, Deduct	-20.08	
		For >100, Deduct	-28.25	
08 14 16 00-0325	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	326.97	74.60
		For 7 Ply Cold Press Construction, Deduct	-3.56	
		For Stave Lumber Core (SLC), Add	133.31	
		For Structural Composite Lumber Core (SCLC), Add	79.99	
		For >50 To 100, Deduct	-20.08	
		For >100, Deduct	-28.25	
08 14 16 00-0326	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	343.08	78.00
		For 7 Ply Cold Press Construction, Deduct	-3.74	
		For Stave Lumber Core (SLC), Add	140.32	
		For Structural Composite Lumber Core (SCLC), Add	84.19	
		For >50 To 100, Deduct	-21.05	
		For >100, Deduct	-29.63	
08 14 16 00-0327	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	352.41	78.00
		For 7 Ply Cold Press Construction, Deduct	-3.93	
		For Stave Lumber Core (SLC), Add	147.32	
		For Structural Composite Lumber Core (SCLC), Add	88.39	
		For >50 To 100, Deduct	-21.52	
		For >100, Deduct	-30.33	
08 14 16 00-0328	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	358.10	78.00
		For 7 Ply Cold Press Construction, Deduct	-4.04	
		For Stave Lumber Core (SLC), Add	151.58	
		For Structural Composite Lumber Core (SCLC), Add	90.95	
		For >50 To 100, Deduct	-21.80	
		For >100, Deduct	-30.76	
08 14 16 00-0329	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	370.57	81.39
		For 7 Ply Cold Press Construction, Deduct	-4.16	
		For Stave Lumber Core (SLC), Add	155.85	
		For Structural Composite Lumber Core (SCLC), Add	93.51	
		For >50 To 100, Deduct	-22.60	
		For >100, Deduct	-31.86	
08 14 16 00-0330	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	393.38	81.39
		For 7 Ply Cold Press Construction, Deduct	-4.61	
		For Stave Lumber Core (SLC), Add	172.96	
		For Structural Composite Lumber Core (SCLC), Add	103.77	
		For >50 To 100, Deduct	-23.74	
		For >100, Deduct	-33.57	
08 14 16 00-0331	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	414.91	84.78
		For 7 Ply Cold Press Construction, Deduct	-4.91	
		For Stave Lumber Core (SLC), Add	184.01	
		For Structural Composite Lumber Core (SCLC), Add	110.41	
		For >50 To 100, Deduct	-24.98	
		For >100, Deduct	-35.36	
08 14 16 00-0332	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	361.63	74.60
		For 7 Ply Cold Press Construction, Deduct	-4.25	
		For Stave Lumber Core (SLC), Add	159.31	
		For Structural Composite Lumber Core (SCLC), Add	95.58	
		For >50 To 100, Deduct	-21.81	
		For >100, Deduct	-30.85	
		For 9' Door Height, Add	44.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0333	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	361.63	74.60
			For 7 Ply Cold Press Construction, Deduct	-4.25	
			For Stave Lumber Core (SLC), Add	159.31	
			For Structural Composite Lumber Core (SCLC), Add	95.58	
			For >50 To 100, Deduct	-21.61	
			For >100, Deduct	-30.85	
			For 9' Door Height, Add	44.61	
08 14 16 00-0334	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	379.56	78.00
			For 7 Ply Cold Press Construction, Deduct	-4.47	
			For Stave Lumber Core (SLC), Add	167.68	
			For Structural Composite Lumber Core (SCLC), Add	100.61	
			For >50 To 100, Deduct	-22.88	
			For >100, Deduct	-32.37	
			For 9' Door Height, Add	46.95	
08 14 16 00-0335	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	390.71	78.00
			For 7 Ply Cold Press Construction, Deduct	-4.69	
			For Stave Lumber Core (SLC), Add	176.04	
			For Structural Composite Lumber Core (SCLC), Add	105.62	
			For >50 To 100, Deduct	-23.44	
			For >100, Deduct	-33.20	
			For 9' Door Height, Add	49.29	
08 14 16 00-0336	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	397.50	78.00
			For 7 Ply Cold Press Construction, Deduct	-4.63	
			For Stave Lumber Core (SLC), Add	181.13	
			For Structural Composite Lumber Core (SCLC), Add	108.68	
			For >50 To 100, Deduct	-23.77	
			For >100, Deduct	-33.71	
			For 9' Door Height, Add	50.72	
08 14 16 00-0337	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	411.10	81.39
			For 7 Ply Cold Press Construction, Deduct	-4.97	
			For Stave Lumber Core (SLC), Add	186.25	
			For Structural Composite Lumber Core (SCLC), Add	111.75	
			For >50 To 100, Deduct	-24.62	
			For >100, Deduct	-34.90	
			For 9' Door Height, Add	52.15	
08 14 16 00-0338	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	438.34	81.39
			For 7 Ply Cold Press Construction, Deduct	-5.51	
			For Stave Lumber Core (SLC), Add	206.68	
			For Structural Composite Lumber Core (SCLC), Add	124.01	
			For >50 To 100, Deduct	-25.99	
			For >100, Deduct	-36.94	
			For 9' Door Height, Add	57.87	
08 14 16 00-0339	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	462.75	84.78
			For 7 Ply Cold Press Construction, Deduct	-5.66	
			For Stave Lumber Core (SLC), Add	219.89	
			For Structural Composite Lumber Core (SCLC), Add	131.94	
			For >50 To 100, Deduct	-27.38	
			For >100, Deduct	-38.95	
			For 9' Door Height, Add	61.57	
08 14 16 00-0340 Oak Faced Wood Doors (08 14 16 00-0314)					
08 14 16 00-0341	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	443.68	74.60
			For 7 Ply Cold Press Construction, Deduct	-5.89	
			For Stave Lumber Core (SLC), Add	220.85	
			For Structural Composite Lumber Core (SCLC), Add	132.51	
			For >50 To 100, Deduct	-25.91	
			For >100, Deduct	-37.01	
08 14 16 00-0342	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	443.68	74.60
			For 7 Ply Cold Press Construction, Deduct	-5.89	
			For Stave Lumber Core (SLC), Add	220.85	
			For Structural Composite Lumber Core (SCLC), Add	132.51	
			For >50 To 100, Deduct	-25.91	
			For >100, Deduct	-37.01	
08 14 16 00-0343	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	465.95	78.00
			For 7 Ply Cold Press Construction, Deduct	-6.20	
			For Stave Lumber Core (SLC), Add	232.47	
			For Structural Composite Lumber Core (SCLC), Add	139.48	
			For >50 To 100, Deduct	-27.20	
			For >100, Deduct	-38.85	
08 14 16 00-0344	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	481.41	78.00
			For 7 Ply Cold Press Construction, Deduct	-6.51	
			For Stave Lumber Core (SLC), Add	244.07	
			For Structural Composite Lumber Core (SCLC), Add	146.44	
			For >50 To 100, Deduct	-27.97	
			For >100, Deduct	-40.01	
08 14 16 00-0345	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	490.82	78.00
			For 7 Ply Cold Press Construction, Deduct	-6.70	
			For Stave Lumber Core (SLC), Add	251.12	
			For Structural Composite Lumber Core (SCLC), Add	150.67	
			For >50 To 100, Deduct	-28.44	
			For >100, Deduct	-40.71	
08 14 16 00-0346	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	507.06	81.39
			For 7 Ply Cold Press Construction, Deduct	-6.89	
			For Stave Lumber Core (SLC), Add	258.22	
			For Structural Composite Lumber Core (SCLC), Add	154.93	
			For >50 To 100, Deduct	-29.42	
			For >100, Deduct	-42.10	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0347	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	544.83	81.39
		For 7 Ply Cold Press Construction, Deduct	-7.64	
		For Stave Lumber Core (SLC), Add	286.55	
		For Structural Composite Lumber Core (SCLC), Add	171.93	
		For >50 To 100, Deduct	-31.31	
		For >100, Deduct	-44.93	
08 14 16 00-0348	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	576.03	84.78
		For 7 Ply Cold Press Construction, Deduct	-8.13	
		For Stave Lumber Core (SLC), Add	304.85	
		For Structural Composite Lumber Core (SCLC), Add	182.91	
		For >50 To 100, Deduct	-33.04	
		For >100, Deduct	-47.44	
08 14 16 00-0349	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	460.81	74.60
		For 7 Ply Cold Press Construction, Deduct	-6.23	
		For Stave Lumber Core (SLC), Add	233.69	
		For Structural Composite Lumber Core (SCLC), Add	140.22	
		For >50 To 100, Deduct	-26.77	
		For >100, Deduct	-38.29	
08 14 16 00-0350	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	460.81	74.60
		For 7 Ply Cold Press Construction, Deduct	-6.23	
		For Stave Lumber Core (SLC), Add	233.69	
		For Structural Composite Lumber Core (SCLC), Add	140.22	
		For >50 To 100, Deduct	-26.77	
		For >100, Deduct	-38.29	
08 14 16 00-0351	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	484.01	78.00
		For 7 Ply Cold Press Construction, Deduct	-6.56	
		For Stave Lumber Core (SLC), Add	246.02	
		For Structural Composite Lumber Core (SCLC), Add	147.61	
		For >50 To 100, Deduct	-28.10	
		For >100, Deduct	-40.20	
08 14 16 00-0352	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	500.36	78.00
		For 7 Ply Cold Press Construction, Deduct	-6.89	
		For Stave Lumber Core (SLC), Add	258.28	
		For Structural Composite Lumber Core (SCLC), Add	154.97	
		For >50 To 100, Deduct	-28.92	
		For >100, Deduct	-41.43	
08 14 16 00-0353	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	510.31	78.00
		For 7 Ply Cold Press Construction, Deduct	-7.09	
		For Stave Lumber Core (SLC), Add	265.74	
		For Structural Composite Lumber Core (SCLC), Add	159.44	
		For >50 To 100, Deduct	-29.42	
		For >100, Deduct	-42.17	
08 14 16 00-0354	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	527.09	81.39
		For 7 Ply Cold Press Construction, Deduct	-7.29	
		For Stave Lumber Core (SLC), Add	273.24	
		For Structural Composite Lumber Core (SCLC), Add	163.94	
		For >50 To 100, Deduct	-30.42	
		For >100, Deduct	-43.60	
08 14 16 00-0355	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	567.07	81.39
		For 7 Ply Cold Press Construction, Deduct	-8.09	
		For Stave Lumber Core (SLC), Add	303.23	
		For Structural Composite Lumber Core (SCLC), Add	181.94	
		For >50 To 100, Deduct	-32.42	
		For >100, Deduct	-46.60	
08 14 16 00-0356	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	599.71	84.78
		For 7 Ply Cold Press Construction, Deduct	-8.60	
		For Stave Lumber Core (SLC), Add	322.61	
		For Structural Composite Lumber Core (SCLC), Add	193.57	
		For >50 To 100, Deduct	-34.22	
		For >100, Deduct	-49.22	
08 14 16 00-0357	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	521.56	74.60
		For 7 Ply Cold Press Construction, Deduct	-7.45	
		For Stave Lumber Core (SLC), Add	279.26	
		For Structural Composite Lumber Core (SCLC), Add	167.55	
		For >50 To 100, Deduct	-29.81	
		For >100, Deduct	-42.85	
		For 9' Door Height, Add	78.19	
08 14 16 00-0358	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	521.56	74.60
		For 7 Ply Cold Press Construction, Deduct	-7.45	
		For Stave Lumber Core (SLC), Add	279.26	
		For Structural Composite Lumber Core (SCLC), Add	167.55	
		For >50 To 100, Deduct	-29.81	
		For >100, Deduct	-42.85	
		For 9' Door Height, Add	78.19	
08 14 16 00-0359	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	547.97	78.00
		For 7 Ply Cold Press Construction, Deduct	-7.84	
		For Stave Lumber Core (SLC), Add	293.99	
		For Structural Composite Lumber Core (SCLC), Add	176.39	
		For >50 To 100, Deduct	-31.30	
		For >100, Deduct	-45.00	
		For 9' Door Height, Add	82.32	
08 14 16 00-0360	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	567.50	78.00
		For 7 Ply Cold Press Construction, Deduct	-8.23	
		For Stave Lumber Core (SLC), Add	308.63	
		For Structural Composite Lumber Core (SCLC), Add	185.18	
		For >50 To 100, Deduct	-32.27	
		For >100, Deduct	-46.46	
		For 9' Door Height, Add	86.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0361	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	579.40	78.00
			For 7 Ply Cold Press Construction, Deduct	-8.47	
			For Stave Lumber Core (SLC), Add	317.56	
			For Structural Composite Lumber Core (SCLC), Add	190.53	
			For >50 To 100, Deduct	-32.87	
			For >100, Deduct	-47.35	
			For 9' Door Height, Add	88.92	
08 14 16 00-0362	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	598.15	81.39
			For 7 Ply Cold Press Construction, Deduct	-8.71	
			For Stave Lumber Core (SLC), Add	326.54	
			For Structural Composite Lumber Core (SCLC), Add	195.92	
			For >50 To 100, Deduct	-33.98	
			For >100, Deduct	-48.93	
			For 9' Door Height, Add	91.43	
08 14 16 00-0363	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	645.92	81.39
			For 7 Ply Cold Press Construction, Deduct	-9.66	
			For Stave Lumber Core (SLC), Add	362.36	
			For Structural Composite Lumber Core (SCLC), Add	217.42	
			For >50 To 100, Deduct	-36.37	
			For >100, Deduct	-52.51	
			For 9' Door Height, Add	101.46	
08 14 16 00-0364	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	683.59	84.78
			For 7 Ply Cold Press Construction, Deduct	-10.28	
			For Stave Lumber Core (SLC), Add	385.52	
			For Structural Composite Lumber Core (SCLC), Add	231.31	
			For >50 To 100, Deduct	-38.42	
			For >100, Deduct	-55.51	
			For 9' Door Height, Add	107.95	
08 14 16 00-0365 Maple Faced Wood Doors (08 14 16 00-0314)					
08 14 16 00-0366	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	397.93	74.60
			For 7 Ply Cold Press Construction, Deduct	-4.97	
			For Stave Lumber Core (SLC), Add	186.53	
			For Structural Composite Lumber Core (SCLC), Add	111.92	
			For >50 To 100, Deduct	-23.63	
			For >100, Deduct	-33.58	
08 14 16 00-0367	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	397.93	74.60
			For 7 Ply Cold Press Construction, Deduct	-4.97	
			For Stave Lumber Core (SLC), Add	186.53	
			For Structural Composite Lumber Core (SCLC), Add	111.92	
			For >50 To 100, Deduct	-23.63	
			For >100, Deduct	-33.58	
08 14 16 00-0368	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	417.79	78.00
			For 7 Ply Cold Press Construction, Deduct	-5.24	
			For Stave Lumber Core (SLC), Add	196.35	
			For Structural Composite Lumber Core (SCLC), Add	117.81	
			For >50 To 100, Deduct	-24.79	
			For >100, Deduct	-35.23	
08 14 16 00-0369	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	430.85	78.00
			For 7 Ply Cold Press Construction, Deduct	-5.50	
			For Stave Lumber Core (SLC), Add	206.15	
			For Structural Composite Lumber Core (SCLC), Add	123.69	
			For >50 To 100, Deduct	-25.44	
			For >100, Deduct	-36.21	
08 14 16 00-0370	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	438.79	78.00
			For 7 Ply Cold Press Construction, Deduct	-5.66	
			For Stave Lumber Core (SLC), Add	212.10	
			For Structural Composite Lumber Core (SCLC), Add	127.26	
			For >50 To 100, Deduct	-25.84	
			For >100, Deduct	-36.81	
08 14 16 00-0371	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	453.56	81.39
			For 7 Ply Cold Press Construction, Deduct	-5.82	
			For Stave Lumber Core (SLC), Add	218.09	
			For Structural Composite Lumber Core (SCLC), Add	130.86	
			For >50 To 100, Deduct	-26.75	
			For >100, Deduct	-38.09	
08 14 16 00-0372	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	485.47	81.39
			For 7 Ply Cold Press Construction, Deduct	-6.45	
			For Stave Lumber Core (SLC), Add	242.03	
			For Structural Composite Lumber Core (SCLC), Add	145.22	
			For >50 To 100, Deduct	-28.34	
			For >100, Deduct	-40.48	
08 14 16 00-0373	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	512.87	84.78
			For 7 Ply Cold Press Construction, Deduct	-6.87	
			For Stave Lumber Core (SLC), Add	257.48	
			For Structural Composite Lumber Core (SCLC), Add	154.49	
			For >50 To 100, Deduct	-29.88	
			For >100, Deduct	-42.70	
08 14 16 00-0374	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	412.39	74.60
			For 7 Ply Cold Press Construction, Deduct	-5.26	
			For Stave Lumber Core (SLC), Add	197.38	
			For Structural Composite Lumber Core (SCLC), Add	118.43	
			For >50 To 100, Deduct	-24.35	
			For >100, Deduct	-34.66	
08 14 16 00-0375	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	412.39	74.60
			For 7 Ply Cold Press Construction, Deduct	-5.26	
			For Stave Lumber Core (SLC), Add	197.38	
			For Structural Composite Lumber Core (SCLC), Add	118.43	
			For >50 To 100, Deduct	-24.35	
			For >100, Deduct	-34.66	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0376	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	433.04	78.00
		For 7 Ply Cold Press Construction, Deduct	-5.54	
		For Stave Lumber Core (SLC), Add	207.79	
		For Structural Composite Lumber Core (SCLC), Add	124.67	
		For >50 To 100, Deduct	-25.55	
		For >100, Deduct	-36.38	
08 14 16 00-0377	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	446.86	78.00
		For 7 Ply Cold Press Construction, Deduct	-5.82	
		For Stave Lumber Core (SLC), Add	218.15	
		For Structural Composite Lumber Core (SCLC), Add	130.89	
		For >50 To 100, Deduct	-26.24	
		For >100, Deduct	-37.41	
08 14 16 00-0378	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	455.26	78.00
		For 7 Ply Cold Press Construction, Deduct	-5.99	
		For Stave Lumber Core (SLC), Add	224.45	
		For Structural Composite Lumber Core (SCLC), Add	134.67	
		For >50 To 100, Deduct	-26.66	
		For >100, Deduct	-38.04	
08 14 16 00-0379	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	470.50	81.39
		For 7 Ply Cold Press Construction, Deduct	-6.15	
		For Stave Lumber Core (SLC), Add	230.80	
		For Structural Composite Lumber Core (SCLC), Add	138.48	
		For >50 To 100, Deduct	-27.59	
		For >100, Deduct	-39.36	
08 14 16 00-0380	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	504.26	81.39
		For 7 Ply Cold Press Construction, Deduct	-6.83	
		For Stave Lumber Core (SLC), Add	256.12	
		For Structural Composite Lumber Core (SCLC), Add	153.67	
		For >50 To 100, Deduct	-29.28	
		For >100, Deduct	-41.89	
08 14 16 00-0381	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	532.86	84.78
		For 7 Ply Cold Press Construction, Deduct	-7.27	
		For Stave Lumber Core (SLC), Add	272.48	
		For Structural Composite Lumber Core (SCLC), Add	163.49	
		For >50 To 100, Deduct	-30.88	
		For >100, Deduct	-44.20	
08 14 16 00-0382	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	463.71	74.60
		For 7 Ply Cold Press Construction, Deduct	-6.29	
		For Stave Lumber Core (SLC), Add	235.87	
		For Structural Composite Lumber Core (SCLC), Add	141.52	
		For >50 To 100, Deduct	-26.92	
		For >100, Deduct	-38.51	
		For 9' Door Height, Add	66.04	
08 14 16 00-0383	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	463.71	74.60
		For 7 Ply Cold Press Construction, Deduct	-6.29	
		For Stave Lumber Core (SLC), Add	235.87	
		For Structural Composite Lumber Core (SCLC), Add	141.52	
		For >50 To 100, Deduct	-26.92	
		For >100, Deduct	-38.51	
		For 9' Door Height, Add	66.04	
08 14 16 00-0384	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	487.06	78.00
		For 7 Ply Cold Press Construction, Deduct	-6.62	
		For Stave Lumber Core (SLC), Add	248.30	
		For Structural Composite Lumber Core (SCLC), Add	148.98	
		For >50 To 100, Deduct	-28.25	
		For >100, Deduct	-40.43	
		For 9' Door Height, Add	69.52	
08 14 16 00-0385	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	503.56	78.00
		For 7 Ply Cold Press Construction, Deduct	-6.95	
		For Stave Lumber Core (SLC), Add	260.68	
		For Structural Composite Lumber Core (SCLC), Add	156.41	
		For >50 To 100, Deduct	-29.08	
		For >100, Deduct	-41.67	
		For 9' Door Height, Add	72.99	
08 14 16 00-0386	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	513.62	78.00
		For 7 Ply Cold Press Construction, Deduct	-7.15	
		For Stave Lumber Core (SLC), Add	268.22	
		For Structural Composite Lumber Core (SCLC), Add	160.93	
		For >50 To 100, Deduct	-29.58	
		For >100, Deduct	-42.42	
		For 9' Door Height, Add	75.10	
08 14 16 00-0387	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	530.49	81.39
		For 7 Ply Cold Press Construction, Deduct	-7.35	
		For Stave Lumber Core (SLC), Add	275.79	
		For Structural Composite Lumber Core (SCLC), Add	165.47	
		For >50 To 100, Deduct	-30.59	
		For >100, Deduct	-43.86	
		For 9' Door Height, Add	77.22	
08 14 16 00-0388	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	570.85	81.39
		For 7 Ply Cold Press Construction, Deduct	-8.16	
		For Stave Lumber Core (SLC), Add	306.06	
		For Structural Composite Lumber Core (SCLC), Add	183.64	
		For >50 To 100, Deduct	-32.61	
		For >100, Deduct	-46.88	
		For 9' Door Height, Add	85.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0389	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	603.71	84.78
			For 7 Ply Cold Press Construction, Deduct	-8.68	
			For Stave Lumber Core (SLC), Add	325.61	
			For Structural Composite Lumber Core (SCLC), Add	195.37	
			For >50 To 100, Deduct	-34.42	
			For >100, Deduct	-49.52	
			For 9' Door Height, Add	91.17	
08 14 16 00-0390 Luan Faced Wood Doors (08 14 16 00-0314)					
08 14 16 00-0391	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	263.46	74.60
			For >50 To 100, Deduct	-16.90	
			For >100, Deduct	-23.49	
08 14 16 00-0392	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	263.46	74.60
			For >50 To 100, Deduct	-16.90	
			For >100, Deduct	-23.49	
08 14 16 00-0393	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	276.48	78.00
			For >50 To 100, Deduct	-17.72	
			For >100, Deduct	-24.64	
08 14 16 00-0394	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	282.78	78.00
			For >50 To 100, Deduct	-18.04	
			For >100, Deduct	-25.11	
08 14 16 00-0395	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	285.94	78.00
			For >50 To 100, Deduct	-18.20	
			For >100, Deduct	-25.35	
08 14 16 00-0396	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	295.91	81.39
			For >50 To 100, Deduct	-18.86	
			For >100, Deduct	-26.26	
08 14 16 00-0397	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	310.53	81.39
			For >50 To 100, Deduct	-19.60	
			For >100, Deduct	-27.36	
08 14 16 00-0398	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	328.90	84.78
			For >50 To 100, Deduct	-20.68	
			For >100, Deduct	-28.91	
08 14 16 00-0399	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	270.11	74.60
			For >50 To 100, Deduct	-17.24	
			For >100, Deduct	-23.99	
08 14 16 00-0400	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	270.11	74.60
			For >50 To 100, Deduct	-17.24	
			For >100, Deduct	-23.99	
08 14 16 00-0401	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	283.50	78.00
			For >50 To 100, Deduct	-18.07	
			For >100, Deduct	-25.16	
08 14 16 00-0402	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	290.16	78.00
			For >50 To 100, Deduct	-18.41	
			For >100, Deduct	-25.66	
08 14 16 00-0403	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	293.52	78.00
			For >50 To 100, Deduct	-18.58	
			For >100, Deduct	-25.91	
08 14 16 00-0404	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	303.65	81.39
			For >50 To 100, Deduct	-19.25	
			For >100, Deduct	-26.84	
08 14 16 00-0405	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	319.14	81.39
			For >50 To 100, Deduct	-20.03	
			For >100, Deduct	-28.00	
08 14 16 00-0406	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	338.17	84.78
			For >50 To 100, Deduct	-21.15	
			For >100, Deduct	-29.60	
08 14 16 00-0407	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	293.69	74.60
			For >50 To 100, Deduct	-18.42	
			For >100, Deduct	-25.76	
			For 9' Door Height, Add	30.34	
08 14 16 00-0408	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	293.69	74.60
			For >50 To 100, Deduct	-18.42	
			For >100, Deduct	-25.76	
			For 9' Door Height, Add	30.34	
08 14 16 00-0409	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	308.36	78.00
			For >50 To 100, Deduct	-19.32	
			For >100, Deduct	-27.03	
			For 9' Door Height, Add	32.00	
08 14 16 00-0410	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	316.33	78.00
			For >50 To 100, Deduct	-19.72	
			For >100, Deduct	-27.62	
			For 9' Door Height, Add	33.67	
08 14 16 00-0411	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	320.34	78.00
			For >50 To 100, Deduct	-19.92	
			For >100, Deduct	-27.93	
			For 9' Door Height, Add	34.51	
08 14 16 00-0412	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	331.13	81.39
			For >50 To 100, Deduct	-20.63	
			For >100, Deduct	-28.90	
			For 9' Door Height, Add	35.36	
08 14 16 00-0413	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	349.63	81.39
			For >50 To 100, Deduct	-21.55	
			For >100, Deduct	-30.29	
			For 9' Door Height, Add	39.24	
08 14 16 00-0414	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	371.04	84.78
			For >50 To 100, Deduct	-22.79	
			For >100, Deduct	-32.07	
			For 9' Door Height, Add	42.31	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0415 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0314)			
08 14 16 00-0416	EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	256.61	74.60
	For Stave Lumber Core (SLC), Add	80.54	
	For Structural Composite Lumber Core (SCLC), Add	48.33	
	For >50 To 100, Deduct	-16.56	
	For >100, Deduct	-22.98	
08 14 16 00-0417	EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	256.61	74.60
	For Stave Lumber Core (SLC), Add	80.54	
	For Structural Composite Lumber Core (SCLC), Add	48.33	
	For >50 To 100, Deduct	-16.56	
	For >100, Deduct	-22.98	
08 14 16 00-0418	EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	269.62	78.00
	For Stave Lumber Core (SLC), Add	85.22	
	For Structural Composite Lumber Core (SCLC), Add	51.13	
	For >50 To 100, Deduct	-17.38	
	For >100, Deduct	-24.12	
08 14 16 00-0419	EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	275.84	78.00
	For Stave Lumber Core (SLC), Add	89.89	
	For Structural Composite Lumber Core (SCLC), Add	53.93	
	For >50 To 100, Deduct	-17.69	
	For >100, Deduct	-24.59	
08 14 16 00-0420	EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	276.98	78.00
	For Stave Lumber Core (SLC), Add	90.74	
	For Structural Composite Lumber Core (SCLC), Add	54.45	
	For >50 To 100, Deduct	-17.75	
	For >100, Deduct	-24.67	
08 14 16 00-0421	EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	284.92	81.39
	For Stave Lumber Core (SLC), Add	91.61	
	For Structural Composite Lumber Core (SCLC), Add	54.97	
	For >50 To 100, Deduct	-18.32	
	For >100, Deduct	-25.44	
08 14 16 00-0422	EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	298.39	81.39
	For Stave Lumber Core (SLC), Add	101.72	
	For Structural Composite Lumber Core (SCLC), Add	61.03	
	For >50 To 100, Deduct	-18.99	
	For >100, Deduct	-26.45	
08 14 16 00-0423	EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	329.75	84.78
	For Stave Lumber Core (SLC), Add	120.14	
	For Structural Composite Lumber Core (SCLC), Add	72.09	
	For >50 To 100, Deduct	-20.73	
	For >100, Deduct	-28.97	
08 14 16 00-0424	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	262.86	74.60
	For Stave Lumber Core (SLC), Add	85.23	
	For Structural Composite Lumber Core (SCLC), Add	51.14	
	For >50 To 100, Deduct	-16.87	
	For >100, Deduct	-23.45	
08 14 16 00-0425	EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	262.87	74.60
	For Stave Lumber Core (SLC), Add	85.24	
	For Structural Composite Lumber Core (SCLC), Add	51.14	
	For >50 To 100, Deduct	-16.87	
	For >100, Deduct	-23.45	
08 14 16 00-0426	EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	276.23	78.00
	For Stave Lumber Core (SLC), Add	90.18	
	For Structural Composite Lumber Core (SCLC), Add	54.11	
	For >50 To 100, Deduct	-17.71	
	For >100, Deduct	-24.62	
08 14 16 00-0427	EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	282.81	78.00
	For Stave Lumber Core (SLC), Add	95.12	
	For Structural Composite Lumber Core (SCLC), Add	57.07	
	For >50 To 100, Deduct	-18.04	
	For >100, Deduct	-25.11	
08 14 16 00-0428	EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	284.02	78.00
	For Stave Lumber Core (SLC), Add	96.02	
	For Structural Composite Lumber Core (SCLC), Add	57.61	
	For >50 To 100, Deduct	-18.10	
	For >100, Deduct	-25.20	
08 14 16 00-0429	EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	292.03	81.39
	For Stave Lumber Core (SLC), Add	96.95	
	For Structural Composite Lumber Core (SCLC), Add	58.17	
	For >50 To 100, Deduct	-18.67	
	For >100, Deduct	-25.97	
08 14 16 00-0430	EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	306.28	81.39
	For Stave Lumber Core (SLC), Add	107.63	
	For Structural Composite Lumber Core (SCLC), Add	64.58	
	For >50 To 100, Deduct	-19.38	
	For >100, Deduct	-27.04	
08 14 16 00-0431	EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	339.08	84.78
	For Stave Lumber Core (SLC), Add	127.14	
	For Structural Composite Lumber Core (SCLC), Add	76.28	
	For >50 To 100, Deduct	-21.19	
	For >100, Deduct	-29.67	
08 14 16 00-0432	EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	285.01	74.60
	For Stave Lumber Core (SLC), Add	101.84	
	For Structural Composite Lumber Core (SCLC), Add	61.11	
	For >50 To 100, Deduct	-17.98	
	For >100, Deduct	-25.11	
	For 9' Door Height, Add	28.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0433	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	285.03	74.60	
		For Stave Lumber Core (SLC), Add	101.86		
		For Structural Composite Lumber Core (SCLC), Add	61.11		
		For >50 To 100, Deduct	-17.98		
		For >100, Deduct	-25.11		
		For 9' Door Height, Add	28.52		
08 14 16 00-0434	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	299.68	78.00	
		For Stave Lumber Core (SLC), Add	107.77		
		For Structural Composite Lumber Core (SCLC), Add	64.66		
		For >50 To 100, Deduct	-18.88		
		For >100, Deduct	-26.38		
		For 9' Door Height, Add	30.17		
08 14 16 00-0435	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	307.53	78.00	
		For Stave Lumber Core (SLC), Add	113.66		
		For Structural Composite Lumber Core (SCLC), Add	68.19		
		For >50 To 100, Deduct	-19.28		
		For >100, Deduct	-26.96		
		For 9' Door Height, Add	31.82		
08 14 16 00-0436	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	308.98	78.00	
		For Stave Lumber Core (SLC), Add	114.74		
		For Structural Composite Lumber Core (SCLC), Add	68.85		
		For >50 To 100, Deduct	-19.35		
		For >100, Deduct	-27.07		
		For 9' Door Height, Add	32.13		
08 14 16 00-0437	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	317.24	81.39	
		For Stave Lumber Core (SLC), Add	115.85		
		For Structural Composite Lumber Core (SCLC), Add	69.51		
		For >50 To 100, Deduct	-19.93		
		For >100, Deduct	-27.86		
		For 9' Door Height, Add	32.44		
08 14 16 00-0438	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	334.28	81.39	
		For Stave Lumber Core (SLC), Add	128.63		
		For Structural Composite Lumber Core (SCLC), Add	77.18		
		For >50 To 100, Deduct	-20.78		
		For >100, Deduct	-29.14		
		For 9' Door Height, Add	36.02		
08 14 16 00-0439	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	372.14	84.78	
		For Stave Lumber Core (SLC), Add	151.94		
		For Structural Composite Lumber Core (SCLC), Add	91.16		
		For >50 To 100, Deduct	-22.85		
		For >100, Deduct	-32.15		
		For 9' Door Height, Add	42.54		
08 14 16 00-0440		1-3/4" Thick, Particleboard Core (PC), Wood Doors (08 14 16)			
		Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.			
08 14 16 00-0441		Birch Faced Wood Doors (08 14 16 00-0440)			
08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	353.67	74.60	
		For 7 Ply Cold Press Construction, Deduct	-4.09		
		For Stave Lumber Core (SLC), Add	153.34		
		For Structural Composite Lumber Core (SCLC), Add	92.00		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.53		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	110.40		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	153.34		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	245.34		
		For >50 To 100, Deduct	-21.41		
		For >100, Deduct	-30.26		
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	353.67	74.60	
		For 7 Ply Cold Press Construction, Deduct	-4.09		
		For Stave Lumber Core (SLC), Add	153.34		
		For Structural Composite Lumber Core (SCLC), Add	92.00		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.53		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	110.40		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	153.34		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	245.34		
		For >50 To 100, Deduct	-21.41		
		For >100, Deduct	-30.26		
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	349.67	78.00	
		For 7 Ply Cold Press Construction, Deduct	-3.87		
		For Stave Lumber Core (SLC), Add	145.26		
		For Structural Composite Lumber Core (SCLC), Add	87.16		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.24		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	104.59		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	145.26		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	232.42		
		For >50 To 100, Deduct	-21.38		
		For >100, Deduct	-30.13		
08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	357.74	78.00	
		For 7 Ply Cold Press Construction, Deduct	-4.04		
		For Stave Lumber Core (SLC), Add	151.31		
		For Structural Composite Lumber Core (SCLC), Add	90.79		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.21		
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	108.95		
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	151.31		
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	242.10		
		For >50 To 100, Deduct	-21.79		
		For >100, Deduct	-30.73		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	363.14	78.00
		For 7 Ply Cold Press Construction, Deduct	-4.14	
		For Stave Lumber Core (SLC), Add	155.36	
		For Structural Composite Lumber Core (SCLC), Add	93.22	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.86	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	111.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	248.58	
		For >50 To 100, Deduct	-22.06	
		For >100, Deduct	-31.14	
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	375.29	81.39
		For 7 Ply Cold Press Construction, Deduct	-4.25	
		For Stave Lumber Core (SLC), Add	159.39	
		For Structural Composite Lumber Core (SCLC), Add	95.63	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.50	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	114.76	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	159.39	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	255.02	
		For >50 To 100, Deduct	-22.83	
		For >100, Deduct	-32.22	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	398.66	81.39
		For 7 Ply Cold Press Construction, Deduct	-4.72	
		For Stave Lumber Core (SLC), Add	176.92	
		For Structural Composite Lumber Core (SCLC), Add	106.15	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.31	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	127.38	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	176.92	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	283.07	
		For >50 To 100, Deduct	-24.00	
		For >100, Deduct	-33.97	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	455.96	84.78
		For 7 Ply Cold Press Construction, Deduct	-5.73	
		For Stave Lumber Core (SLC), Add	214.80	
		For Structural Composite Lumber Core (SCLC), Add	128.88	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	154.66	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	214.80	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	343.68	
		For >50 To 100, Deduct	-27.04	
		For >100, Deduct	-38.44	
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	470.28	84.78
		For 7 Ply Cold Press Construction, Deduct	-6.01	
		For Stave Lumber Core (SLC), Add	225.54	
		For Structural Composite Lumber Core (SCLC), Add	135.32	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.09	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	162.39	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	225.54	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	360.86	
		For >50 To 100, Deduct	-27.75	
		For >100, Deduct	-39.51	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	512.48	91.56
		For 7 Ply Cold Press Construction, Deduct	-6.59	
		For Stave Lumber Core (SLC), Add	247.01	
		For Structural Composite Lumber Core (SCLC), Add	148.21	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.52	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	177.85	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	247.01	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	395.22	
		For >50 To 100, Deduct	-30.20	
		For >100, Deduct	-43.01	
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	344.00	74.60
		For 7 Ply Cold Press Construction, Deduct	-3.90	
		For Stave Lumber Core (SLC), Add	146.09	
		For Structural Composite Lumber Core (SCLC), Add	87.65	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	105.18	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	146.09	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	233.74	
		For >50 To 100, Deduct	-20.93	
		For >100, Deduct	-29.53	
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	344.00	74.60
		For 7 Ply Cold Press Construction, Deduct	-3.90	
		For Stave Lumber Core (SLC), Add	146.09	
		For Structural Composite Lumber Core (SCLC), Add	87.65	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	105.18	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	146.09	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	233.74	
		For >50 To 100, Deduct	-20.93	
		For >100, Deduct	-29.53	
08 14 16 00-0454	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	360.95	78.00
		For 7 Ply Cold Press Construction, Deduct	-4.10	
		For Stave Lumber Core (SLC), Add	153.72	
		For Structural Composite Lumber Core (SCLC), Add	92.23	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.60	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	110.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	153.72	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	245.95	
		For >50 To 100, Deduct	-21.95	
		For >100, Deduct	-30.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0455	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	369.49	78.00
		For 7 Ply Cold Press Construction, Deduct		-4.27	
		For Stave Lumber Core (SLC), Add		160.13	
		For Structural Composite Lumber Core (SCLC), Add		96.08	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		25.62	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		115.29	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		160.13	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		256.20	
		For >50 To 100, Deduct		-22.37	
		For >100, Deduct		-31.61	
08 14 16 00-0456	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	375.19	78.00
		For 7 Ply Cold Press Construction, Deduct		-4.38	
		For Stave Lumber Core (SLC), Add		164.40	
		For Structural Composite Lumber Core (SCLC), Add		98.64	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		26.30	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		118.37	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		164.40	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		263.04	
		For >50 To 100, Deduct		-22.66	
		For >100, Deduct		-32.04	
08 14 16 00-0457	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	387.65	81.39
		For 7 Ply Cold Press Construction, Deduct		-4.50	
		For Stave Lumber Core (SLC), Add		168.66	
		For Structural Composite Lumber Core (SCLC), Add		101.20	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		26.99	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		121.44	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		168.66	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		269.86	
		For >50 To 100, Deduct		-23.45	
		For >100, Deduct		-33.14	
08 14 16 00-0458	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	412.39	81.39
		For 7 Ply Cold Press Construction, Deduct		-4.99	
		For Stave Lumber Core (SLC), Add		187.22	
		For Structural Composite Lumber Core (SCLC), Add		112.33	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		29.95	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		134.79	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		187.22	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		299.54	
		For >50 To 100, Deduct		-24.69	
		For >100, Deduct		-35.00	
08 14 16 00-0459	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	472.63	84.78
		For 7 Ply Cold Press Construction, Deduct		-6.06	
		For Stave Lumber Core (SLC), Add		227.30	
		For Structural Composite Lumber Core (SCLC), Add		136.38	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		36.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		163.66	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		227.30	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		363.68	
		For >50 To 100, Deduct		-27.87	
		For >100, Deduct		-39.69	
08 14 16 00-0460	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	487.79	84.78
		For 7 Ply Cold Press Construction, Deduct		-6.36	
		For Stave Lumber Core (SLC), Add		238.67	
		For Structural Composite Lumber Core (SCLC), Add		143.20	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		38.19	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		171.84	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		238.67	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		381.88	
		For >50 To 100, Deduct		-28.63	
		For >100, Deduct		-40.82	
08 14 16 00-0461	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	531.65	91.56
		For 7 Ply Cold Press Construction, Deduct		-6.97	
		For Stave Lumber Core (SLC), Add		261.39	
		For Structural Composite Lumber Core (SCLC), Add		156.83	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		41.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		188.20	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		261.39	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		418.22	
		For >50 To 100, Deduct		-31.16	
		For >100, Deduct		-44.45	
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	407.75	74.60
		For 7 Ply Cold Press Construction, Deduct		-5.17	
		For Stave Lumber Core (SLC), Add		193.90	
		For Structural Composite Lumber Core (SCLC), Add		116.34	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		31.02	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		139.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		193.90	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		310.24	
		For >50 To 100, Deduct		-24.12	
		For >100, Deduct		-34.31	
		For 9' Door Height, Add		54.29	
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	407.75	74.60
		For 7 Ply Cold Press Construction, Deduct		-5.17	
		For Stave Lumber Core (SLC), Add		193.90	
		For Structural Composite Lumber Core (SCLC), Add		116.34	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		31.02	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		139.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		193.90	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		310.24	
		For >50 To 100, Deduct		-24.12	
		For >100, Deduct		-34.31	
		For 9' Door Height, Add		54.29	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	400.91	78.00
		For 7 Ply Cold Press Construction, Deduct	-4.90	
		For Stave Lumber Core (SLC), Add	183.69	
		For Structural Composite Lumber Core (SCLC), Add	110.21	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.39	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	132.26	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	183.69	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	293.90	
		For >50 To 100, Deduct	-23.95	
		For >100, Deduct	-33.97	
		For 9' Door Height, Add	51.43	
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	411.11	78.00
		For 7 Ply Cold Press Construction, Deduct	-5.10	
		For Stave Lumber Core (SLC), Add	191.34	
		For Structural Composite Lumber Core (SCLC), Add	114.80	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.61	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	137.76	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	191.34	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	306.14	
		For >50 To 100, Deduct	-24.46	
		For >100, Deduct	-34.73	
		For 9' Door Height, Add	53.58	
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	417.93	78.00
		For 7 Ply Cold Press Construction, Deduct	-5.24	
		For Stave Lumber Core (SLC), Add	196.46	
		For Structural Composite Lumber Core (SCLC), Add	117.87	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.43	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	141.45	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	196.46	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	314.33	
		For >50 To 100, Deduct	-24.80	
		For >100, Deduct	-35.24	
		For 9' Door Height, Add	55.01	
08 14 16 00-0467	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	431.50	81.39
		For 7 Ply Cold Press Construction, Deduct	-5.37	
		For Stave Lumber Core (SLC), Add	201.55	
		For Structural Composite Lumber Core (SCLC), Add	120.93	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.25	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	145.11	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	201.55	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	322.48	
		For >50 To 100, Deduct	-25.64	
		For >100, Deduct	-36.43	
		For 9' Door Height, Add	56.43	
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	461.06	81.39
		For 7 Ply Cold Press Construction, Deduct	-5.97	
		For Stave Lumber Core (SLC), Add	223.72	
		For Structural Composite Lumber Core (SCLC), Add	134.23	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.79	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	161.08	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	223.72	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	357.95	
		For >50 To 100, Deduct	-27.12	
		For >100, Deduct	-38.65	
		For 9' Door Height, Add	62.64	
08 14 16 00-0469	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	531.72	84.78
		For 7 Ply Cold Press Construction, Deduct	-7.24	
		For Stave Lumber Core (SLC), Add	271.62	
		For Structural Composite Lumber Core (SCLC), Add	162.97	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.46	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	195.57	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	271.62	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	434.59	
		For >50 To 100, Deduct	-30.83	
		For >100, Deduct	-44.12	
		For 9' Door Height, Add	76.05	
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	549.83	84.78
		For 7 Ply Cold Press Construction, Deduct	-7.61	
		For Stave Lumber Core (SLC), Add	285.20	
		For Structural Composite Lumber Core (SCLC), Add	171.12	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.63	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.35	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.20	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	456.32	
		For >50 To 100, Deduct	-31.73	
		For >100, Deduct	-45.48	
		For 9' Door Height, Add	79.86	
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	599.61	91.56
		For 7 Ply Cold Press Construction, Deduct	-8.33	
		For Stave Lumber Core (SLC), Add	312.36	
		For Structural Composite Lumber Core (SCLC), Add	187.42	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.98	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	224.90	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	312.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	499.78	
		For >50 To 100, Deduct	-34.56	
		For >100, Deduct	-49.55	
		For 9' Door Height, Add	87.46	

08 14 16 00-0472 Oak Faced Wood Doors (08 14 16 00-0440)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0473	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	541.55	74.60
		For 7 Ply Cold Press Construction, Deduct		-7.85	
		For Stave Lumber Core (SLC), Add		294.25	
		For Structural Composite Lumber Core (SCLC), Add		176.55	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		47.08	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		211.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		294.25	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		470.80	
		For >50 To 100, Deduct		-30.81	
		For >100, Deduct		-44.35	
08 14 16 00-0474	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	541.55	74.60
		For 7 Ply Cold Press Construction, Deduct		-7.85	
		For Stave Lumber Core (SLC), Add		294.25	
		For Structural Composite Lumber Core (SCLC), Add		176.55	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		47.08	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		211.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		294.25	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		470.80	
		For >50 To 100, Deduct		-30.81	
		For >100, Deduct		-44.35	
08 14 16 00-0475	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	548.32	78.00
		For 7 Ply Cold Press Construction, Deduct		-7.85	
		For Stave Lumber Core (SLC), Add		294.25	
		For Structural Composite Lumber Core (SCLC), Add		176.55	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		47.08	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		211.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		294.25	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		470.80	
		For >50 To 100, Deduct		-31.32	
		For >100, Deduct		-45.02	
08 14 16 00-0476	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	552.35	78.00
		For 7 Ply Cold Press Construction, Deduct		-7.93	
		For Stave Lumber Core (SLC), Add		297.27	
		For Structural Composite Lumber Core (SCLC), Add		178.36	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		47.56	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		214.03	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		297.27	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		475.63	
		For >50 To 100, Deduct		-31.52	
		For >100, Deduct		-45.33	
08 14 16 00-0477	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	554.17	78.00
		For 7 Ply Cold Press Construction, Deduct		-7.96	
		For Stave Lumber Core (SLC), Add		298.64	
		For Structural Composite Lumber Core (SCLC), Add		179.18	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		47.78	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		215.02	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		298.64	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		477.82	
		For >50 To 100, Deduct		-31.61	
		For >100, Deduct		-45.46	
08 14 16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	562.77	81.39
		For 7 Ply Cold Press Construction, Deduct		-8.00	
		For Stave Lumber Core (SLC), Add		300.00	
		For Structural Composite Lumber Core (SCLC), Add		180.00	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		48.00	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		216.00	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		300.00	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		480.00	
		For >50 To 100, Deduct		-32.21	
		For >100, Deduct		-46.28	
08 14 16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	606.71	81.39
		For 7 Ply Cold Press Construction, Deduct		-8.88	
		For Stave Lumber Core (SLC), Add		332.96	
		For Structural Composite Lumber Core (SCLC), Add		199.77	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		53.27	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		239.73	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		332.96	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		532.73	
		For >50 To 100, Deduct		-34.40	
		For >100, Deduct		-49.57	
08 14 16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	726.64	84.78
		For 7 Ply Cold Press Construction, Deduct		-11.14	
		For Stave Lumber Core (SLC), Add		417.81	
		For Structural Composite Lumber Core (SCLC), Add		250.69	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		66.85	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		300.82	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		417.81	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		668.50	
		For >50 To 100, Deduct		-40.57	
		For >100, Deduct		-58.74	
08 14 16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	754.88	84.78
		For 7 Ply Cold Press Construction, Deduct		-11.71	
		For Stave Lumber Core (SLC), Add		438.99	
		For Structural Composite Lumber Core (SCLC), Add		263.39	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		70.24	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		316.07	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		438.99	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		702.38	
		For >50 To 100, Deduct		-41.98	
		For >100, Deduct		-60.86	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	823.78	91.56
		For 7 Ply Cold Press Construction, Deduct	-12.81	
		For Stave Lumber Core (SLC), Add	480.49	
		For Structural Composite Lumber Core (SCLC), Add	288.29	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	76.88	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	345.95	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	480.49	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	768.78	
		For >50 To 100, Deduct	-45.77	
		For >100, Deduct	-66.36	
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	564.37	74.60
		For 7 Ply Cold Press Construction, Deduct	-8.30	
		For Stave Lumber Core (SLC), Add	311.36	
		For Structural Composite Lumber Core (SCLC), Add	186.82	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	224.18	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	311.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	498.18	
		For >50 To 100, Deduct	-31.95	
		For >100, Deduct	-46.06	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	564.37	74.60
		For 7 Ply Cold Press Construction, Deduct	-8.30	
		For Stave Lumber Core (SLC), Add	311.36	
		For Structural Composite Lumber Core (SCLC), Add	186.82	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	224.18	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	311.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	498.18	
		For >50 To 100, Deduct	-31.95	
		For >100, Deduct	-46.06	
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	571.14	78.00
		For 7 Ply Cold Press Construction, Deduct	-8.30	
		For Stave Lumber Core (SLC), Add	311.36	
		For Structural Composite Lumber Core (SCLC), Add	186.82	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	224.18	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	311.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	498.18	
		For >50 To 100, Deduct	-32.46	
		For >100, Deduct	-46.74	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	575.40	78.00
		For 7 Ply Cold Press Construction, Deduct	-8.39	
		For Stave Lumber Core (SLC), Add	314.56	
		For Structural Composite Lumber Core (SCLC), Add	188.73	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.33	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	226.48	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	314.56	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	503.29	
		For >50 To 100, Deduct	-32.67	
		For >100, Deduct	-47.05	
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	577.34	78.00
		For 7 Ply Cold Press Construction, Deduct	-8.43	
		For Stave Lumber Core (SLC), Add	316.01	
		For Structural Composite Lumber Core (SCLC), Add	189.61	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.56	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	227.53	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	316.01	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	505.62	
		For >50 To 100, Deduct	-32.77	
		For >100, Deduct	-47.20	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	586.06	81.39
		For 7 Ply Cold Press Construction, Deduct	-8.47	
		For Stave Lumber Core (SLC), Add	317.47	
		For Structural Composite Lumber Core (SCLC), Add	190.48	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.79	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	228.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	317.47	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	507.95	
		For >50 To 100, Deduct	-33.37	
		For >100, Deduct	-48.02	
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	632.55	81.39
		For 7 Ply Cold Press Construction, Deduct	-9.40	
		For Stave Lumber Core (SLC), Add	352.34	
		For Structural Composite Lumber Core (SCLC), Add	211.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	56.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	253.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	352.34	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	563.74	
		For >50 To 100, Deduct	-35.70	
		For >100, Deduct	-51.51	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	759.07	84.78
		For 7 Ply Cold Press Construction, Deduct	-11.79	
		For Stave Lumber Core (SLC), Add	442.13	
		For Structural Composite Lumber Core (SCLC), Add	265.28	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	70.74	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	318.34	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	442.13	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	707.41	
		For >50 To 100, Deduct	-42.19	
		For >100, Deduct	-61.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0491	EA		3'-8" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	788.94	84.78
			For 7 Ply Cold Press Construction, Deduct	-12.39	
			For Stave Lumber Core (SLC), Add	464.54	
			For Structural Composite Lumber Core (SCLC), Add	278.72	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.33	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	334.47	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	464.54	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	743.26	
			For >50 To 100, Deduct	-43.69	
			For >100, Deduct	-63.41	
08 14 16 00-0492	EA		4'-0" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	861.05	91.56
			For 7 Ply Cold Press Construction, Deduct	-13.56	
			For Stave Lumber Core (SLC), Add	508.44	
			For Structural Composite Lumber Core (SCLC), Add	305.06	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	81.35	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	366.08	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	508.44	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	813.50	
			For >50 To 100, Deduct	-47.63	
			For >100, Deduct	-69.16	
08 14 16 00-0493	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	645.31	74.60
			For 7 Ply Cold Press Construction, Deduct	-9.92	
			For Stave Lumber Core (SLC), Add	372.07	
			For Structural Composite Lumber Core (SCLC), Add	223.24	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	59.53	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	267.89	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	372.07	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	595.31	
			For >50 To 100, Deduct	-36.00	
			For >100, Deduct	-52.13	
			For 9' Door Height, Add	104.18	
08 14 16 00-0494	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	645.31	74.60
			For 7 Ply Cold Press Construction, Deduct	-9.92	
			For Stave Lumber Core (SLC), Add	372.07	
			For Structural Composite Lumber Core (SCLC), Add	223.24	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	59.53	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	267.89	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	372.07	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	595.31	
			For >50 To 100, Deduct	-36.00	
			For >100, Deduct	-52.13	
			For 9' Door Height, Add	104.18	
08 14 16 00-0495	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	652.08	78.00
			For 7 Ply Cold Press Construction, Deduct	-9.92	
			For Stave Lumber Core (SLC), Add	372.07	
			For Structural Composite Lumber Core (SCLC), Add	223.24	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	59.53	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	267.89	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	372.07	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	595.31	
			For >50 To 100, Deduct	-36.50	
			For >100, Deduct	-52.81	
			For 9' Door Height, Add	104.18	
08 14 16 00-0496	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	657.20	78.00
			For 7 Ply Cold Press Construction, Deduct	-10.02	
			For Stave Lumber Core (SLC), Add	375.91	
			For Structural Composite Lumber Core (SCLC), Add	225.54	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	60.15	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	270.65	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	375.91	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	601.45	
			For >50 To 100, Deduct	-36.76	
			For >100, Deduct	-53.19	
			For 9' Door Height, Add	105.25	
08 14 16 00-0497	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	659.52	78.00
			For 7 Ply Cold Press Construction, Deduct	-10.07	
			For Stave Lumber Core (SLC), Add	377.65	
			For Structural Composite Lumber Core (SCLC), Add	226.59	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	60.42	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	271.91	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	377.65	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	604.24	
			For >50 To 100, Deduct	-36.88	
			For >100, Deduct	-53.36	
			For 9' Door Height, Add	105.74	
08 14 16 00-0498	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	668.59	81.39
			For 7 Ply Cold Press Construction, Deduct	-10.12	
			For Stave Lumber Core (SLC), Add	379.37	
			For Structural Composite Lumber Core (SCLC), Add	227.62	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	60.70	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	273.14	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	379.37	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	606.98	
			For >50 To 100, Deduct	-37.50	
			For >100, Deduct	-54.21	
			For 9' Door Height, Add	106.22	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	724.15	81.39
		For 7 Ply Cold Press Construction, Deduct	-11.23	
		For Stave Lumber Core (SLC), Add	421.04	
		For Structural Composite Lumber Core (SCLC), Add	252.62	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	67.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	303.15	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	421.04	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	673.66	
		For >50 To 100, Deduct	-40.28	
		For >100, Deduct	-58.38	
		For 9' Door Height, Add	117.89	
08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	874.02	84.78
		For 7 Ply Cold Press Construction, Deduct	-14.09	
		For Stave Lumber Core (SLC), Add	528.35	
		For Structural Composite Lumber Core (SCLC), Add	317.01	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	84.54	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	380.41	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	528.35	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	845.35	
		For >50 To 100, Deduct	-47.94	
		For >100, Deduct	-69.79	
		For 9' Door Height, Add	147.94	
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	909.71	84.78
		For 7 Ply Cold Press Construction, Deduct	-14.80	
		For Stave Lumber Core (SLC), Add	555.11	
		For Structural Composite Lumber Core (SCLC), Add	333.07	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	88.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	399.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	555.11	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	888.18	
		For >50 To 100, Deduct	-49.72	
		For >100, Deduct	-72.47	
		For 9' Door Height, Add	155.43	
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	993.25	91.56
		For 7 Ply Cold Press Construction, Deduct	-16.20	
		For Stave Lumber Core (SLC), Add	607.59	
		For Structural Composite Lumber Core (SCLC), Add	364.55	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	97.21	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	437.46	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	607.59	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	972.14	
		For >50 To 100, Deduct	-54.24	
		For >100, Deduct	-79.07	
		For 9' Door Height, Add	170.13	

08 14 16 00-0503 Maple Faced Wood Doors (08 14 16 00-0440)

08 14 16 00-0504	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	480.59	74.60
		For 7 Ply Cold Press Construction, Deduct	-6.63	
		For Stave Lumber Core (SLC), Add	248.53	
		For Structural Composite Lumber Core (SCLC), Add	149.12	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.76	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.94	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	248.53	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	397.64	
		For >50 To 100, Deduct	-27.76	
		For >100, Deduct	-39.77	
08 14 16 00-0505	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	480.59	74.60
		For 7 Ply Cold Press Construction, Deduct	-6.63	
		For Stave Lumber Core (SLC), Add	248.53	
		For Structural Composite Lumber Core (SCLC), Add	149.12	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.76	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.94	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	248.53	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	397.64	
		For >50 To 100, Deduct	-27.76	
		For >100, Deduct	-39.77	
08 14 16 00-0506	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	487.36	78.00
		For 7 Ply Cold Press Construction, Deduct	-6.63	
		For Stave Lumber Core (SLC), Add	248.53	
		For Structural Composite Lumber Core (SCLC), Add	149.12	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.76	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.94	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	248.53	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	397.64	
		For >50 To 100, Deduct	-28.27	
		For >100, Deduct	-40.45	
08 14 16 00-0507	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	490.77	78.00
		For 7 Ply Cold Press Construction, Deduct	-6.70	
		For Stave Lumber Core (SLC), Add	251.09	
		For Structural Composite Lumber Core (SCLC), Add	150.65	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.17	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.78	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	251.09	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	401.74	
		For >50 To 100, Deduct	-28.44	
		For >100, Deduct	-40.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0508	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	492.30	78.00
		For 7 Ply Cold Press Construction, Deduct		-6.73	
		For Stave Lumber Core (SLC), Add		252.23	
		For Structural Composite Lumber Core (SCLC), Add		151.34	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		40.36	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		181.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		252.23	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		403.57	
		For >50 To 100, Deduct		-28.51	
		For >100, Deduct		-40.82	
08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	500.63	81.39
		For 7 Ply Cold Press Construction, Deduct		-6.76	
		For Stave Lumber Core (SLC), Add		253.40	
		For Structural Composite Lumber Core (SCLC), Add		152.04	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		40.54	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		182.44	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		253.40	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		405.43	
		For >50 To 100, Deduct		-29.10	
		For >100, Deduct		-41.62	
08 14 16 00-0510	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	537.75	81.39
		For 7 Ply Cold Press Construction, Deduct		-7.50	
		For Stave Lumber Core (SLC), Add		281.24	
		For Structural Composite Lumber Core (SCLC), Add		168.74	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		45.00	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		202.49	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		281.24	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		449.98	
		For >50 To 100, Deduct		-30.96	
		For >100, Deduct		-44.40	
08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	616.56	84.78
		For 7 Ply Cold Press Construction, Deduct		-8.94	
		For Stave Lumber Core (SLC), Add		335.25	
		For Structural Composite Lumber Core (SCLC), Add		201.15	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		53.64	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		241.38	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		335.25	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		536.40	
		For >50 To 100, Deduct		-35.07	
		For >100, Deduct		-50.48	
08 14 16 00-0512	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	663.60	84.78
		For 7 Ply Cold Press Construction, Deduct		-9.88	
		For Stave Lumber Core (SLC), Add		370.53	
		For Structural Composite Lumber Core (SCLC), Add		222.32	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		59.28	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		266.78	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		370.53	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		592.85	
		For >50 To 100, Deduct		-37.42	
		For >100, Deduct		-54.01	
08 14 16 00-0513	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	710.70	84.78
		For 7 Ply Cold Press Construction, Deduct		-10.82	
		For Stave Lumber Core (SLC), Add		405.86	
		For Structural Composite Lumber Core (SCLC), Add		243.51	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		64.94	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		292.22	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		405.86	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		649.37	
		For >50 To 100, Deduct		-39.77	
		For >100, Deduct		-57.54	
08 14 16 00-0514	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	499.87	74.60
		For 7 Ply Cold Press Construction, Deduct		-7.01	
		For Stave Lumber Core (SLC), Add		262.99	
		For Structural Composite Lumber Core (SCLC), Add		157.79	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		42.08	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		189.35	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		262.99	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		420.78	
		For >50 To 100, Deduct		-28.72	
		For >100, Deduct		-41.22	
08 14 16 00-0515	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	499.87	74.60
		For 7 Ply Cold Press Construction, Deduct		-7.01	
		For Stave Lumber Core (SLC), Add		262.99	
		For Structural Composite Lumber Core (SCLC), Add		157.79	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		42.08	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		189.35	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		262.99	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		420.78	
		For >50 To 100, Deduct		-28.72	
		For >100, Deduct		-41.22	
08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	.....	506.64	78.00
		For 7 Ply Cold Press Construction, Deduct		-7.01	
		For Stave Lumber Core (SLC), Add		262.99	
		For Structural Composite Lumber Core (SCLC), Add		157.79	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		42.08	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		189.35	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		262.99	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		420.78	
		For >50 To 100, Deduct		-29.23	
		For >100, Deduct		-41.90	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0517	EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	510.24	78.00
	For 7 Ply Cold Press Construction, Deduct	-7.09	
	For Stave Lumber Core (SLC), Add	265.69	
	For Structural Composite Lumber Core (SCLC), Add	159.41	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.51	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	191.30	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	265.69	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	425.10	
	For >50 To 100, Deduct	-29.41	
	For >100, Deduct	-42.17	
08 14 16 00-0518	EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	511.88	78.00
	For 7 Ply Cold Press Construction, Deduct	-7.12	
	For Stave Lumber Core (SLC), Add	266.92	
	For Structural Composite Lumber Core (SCLC), Add	160.15	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.71	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	192.18	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	266.92	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	427.07	
	For >50 To 100, Deduct	-29.49	
	For >100, Deduct	-42.29	
08 14 16 00-0519	EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	520.29	81.39
	For 7 Ply Cold Press Construction, Deduct	-7.15	
	For Stave Lumber Core (SLC), Add	268.14	
	For Structural Composite Lumber Core (SCLC), Add	160.88	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.90	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	193.06	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	268.14	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	429.02	
	For >50 To 100, Deduct	-30.08	
	For >100, Deduct	-43.09	
08 14 16 00-0520	EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	559.56	81.39
	For 7 Ply Cold Press Construction, Deduct	-7.94	
	For Stave Lumber Core (SLC), Add	297.59	
	For Structural Composite Lumber Core (SCLC), Add	178.56	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.61	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	214.27	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	297.59	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	476.15	
	For >50 To 100, Deduct	-32.05	
	For >100, Deduct	-46.04	
08 14 16 00-0521	EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	642.58	84.78
	For 7 Ply Cold Press Construction, Deduct	-9.46	
	For Stave Lumber Core (SLC), Add	354.77	
	For Structural Composite Lumber Core (SCLC), Add	212.86	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	56.76	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	255.43	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	354.77	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	567.62	
	For >50 To 100, Deduct	-36.37	
	For >100, Deduct	-52.43	
08 14 16 00-0522	EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	692.37	84.78
	For 7 Ply Cold Press Construction, Deduct	-10.46	
	For Stave Lumber Core (SLC), Add	392.11	
	For Structural Composite Lumber Core (SCLC), Add	235.26	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.74	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	282.32	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	392.11	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	627.37	
	For >50 To 100, Deduct	-38.86	
	For >100, Deduct	-56.17	
08 14 16 00-0523	EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	742.20	84.78
	For 7 Ply Cold Press Construction, Deduct	-11.45	
	For Stave Lumber Core (SLC), Add	429.48	
	For Structural Composite Lumber Core (SCLC), Add	257.69	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	68.72	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	309.23	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	429.48	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	687.17	
	For >50 To 100, Deduct	-41.35	
	For >100, Deduct	-59.90	
08 14 16 00-0524	EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	568.24	74.60
	For 7 Ply Cold Press Construction, Deduct	-8.38	
	For Stave Lumber Core (SLC), Add	314.27	
	For Structural Composite Lumber Core (SCLC), Add	188.56	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.28	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	226.27	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	314.27	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	502.82	
	For >50 To 100, Deduct	-32.14	
	For >100, Deduct	-46.35	
	For 9' Door Height, Add	87.99	
08 14 16 00-0525	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	568.24	74.60
	For 7 Ply Cold Press Construction, Deduct	-8.38	
	For Stave Lumber Core (SLC), Add	314.27	
	For Structural Composite Lumber Core (SCLC), Add	188.56	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.28	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	226.27	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	314.27	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	502.82	
	For >50 To 100, Deduct	-32.14	
	For >100, Deduct	-46.35	
	For 9' Door Height, Add	87.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0526	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	575.01	78.00
			For 7 Ply Cold Press Construction, Deduct	-8.38	
			For Stave Lumber Core (SLC), Add	314.27	
			For Structural Composite Lumber Core (SCLC), Add	188.56	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.28	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	226.27	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	314.27	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	502.82	
			For >50 To 100, Deduct	-32.65	
			For >100, Deduct	-47.03	
			For 9' Door Height, Add	87.99	
08 14 16 00-0527	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	579.32	78.00
			For 7 Ply Cold Press Construction, Deduct	-8.47	
			For Stave Lumber Core (SLC), Add	317.50	
			For Structural Composite Lumber Core (SCLC), Add	190.50	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.80	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	228.60	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	317.50	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	508.00	
			For >50 To 100, Deduct	-32.87	
			For >100, Deduct	-47.35	
			For 9' Door Height, Add	88.90	
08 14 16 00-0528	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	581.28	78.00
			For 7 Ply Cold Press Construction, Deduct	-8.51	
			For Stave Lumber Core (SLC), Add	318.97	
			For Structural Composite Lumber Core (SCLC), Add	191.38	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.03	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	229.66	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	318.97	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	510.35	
			For >50 To 100, Deduct	-32.96	
			For >100, Deduct	-47.50	
			For 9' Door Height, Add	89.31	
08 14 16 00-0529	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	590.00	81.39
			For 7 Ply Cold Press Construction, Deduct	-8.54	
			For Stave Lumber Core (SLC), Add	320.42	
			For Structural Composite Lumber Core (SCLC), Add	192.25	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.27	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	230.70	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	320.42	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	512.68	
			For >50 To 100, Deduct	-33.57	
			For >100, Deduct	-48.32	
			For 9' Door Height, Add	89.72	
08 14 16 00-0530	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	636.93	81.39
			For 7 Ply Cold Press Construction, Deduct	-9.48	
			For Stave Lumber Core (SLC), Add	355.62	
			For Structural Composite Lumber Core (SCLC), Add	213.37	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	56.90	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	256.05	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	355.62	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	568.99	
			For >50 To 100, Deduct	-35.92	
			For >100, Deduct	-51.84	
			For 9' Door Height, Add	99.57	
08 14 16 00-0531	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	734.81	84.78
			For 7 Ply Cold Press Construction, Deduct	-11.31	
			For Stave Lumber Core (SLC), Add	423.94	
			For Structural Composite Lumber Core (SCLC), Add	254.36	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	67.83	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	305.24	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	423.94	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	678.30	
			For >50 To 100, Deduct	-40.98	
			For >100, Deduct	-59.35	
			For 9' Door Height, Add	118.70	
08 14 16 00-0532	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	794.31	84.78
			For 7 Ply Cold Press Construction, Deduct	-12.50	
			For Stave Lumber Core (SLC), Add	468.56	
			For Structural Composite Lumber Core (SCLC), Add	281.14	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.97	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	337.37	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	468.56	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	749.70	
			For >50 To 100, Deduct	-43.95	
			For >100, Deduct	-63.81	
			For 9' Door Height, Add	131.20	
08 14 16 00-0533	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	853.84	84.78
			For 7 Ply Cold Press Construction, Deduct	-13.69	
			For Stave Lumber Core (SLC), Add	513.21	
			For Structural Composite Lumber Core (SCLC), Add	307.93	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	82.11	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	369.51	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	513.21	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	821.14	
			For >50 To 100, Deduct	-46.93	
			For >100, Deduct	-68.28	
			For 9' Door Height, Add	143.70	

08 14 16 00-0534 Walnut Faced Wood Doors (08 14 16 00-0440)

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 16 00-0535	EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	751.16	74.60
	For 7 Ply Cold Press Construction, Deduct	-12.04	
	For Stave Lumber Core (SLC), Add	451.46	
	For Structural Composite Lumber Core (SCLC), Add	270.87	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	72.23	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	325.05	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	451.46	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	722.33	
	For >50 To 100, Deduct	-41.29	
	For >100, Deduct	-60.07	
08 14 16 00-0536	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	751.16	74.60
	For 7 Ply Cold Press Construction, Deduct	-12.04	
	For Stave Lumber Core (SLC), Add	451.46	
	For Structural Composite Lumber Core (SCLC), Add	270.87	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	72.23	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	325.05	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	451.46	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	722.33	
	For >50 To 100, Deduct	-41.29	
	For >100, Deduct	-60.07	
08 14 16 00-0537	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	758.13	78.00
	For 7 Ply Cold Press Construction, Deduct	-12.04	
	For Stave Lumber Core (SLC), Add	451.61	
	For Structural Composite Lumber Core (SCLC), Add	270.96	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	72.26	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	325.16	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	451.61	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	722.57	
	For >50 To 100, Deduct	-41.81	
	For >100, Deduct	-60.76	
08 14 16 00-0538	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	764.33	78.00
	For 7 Ply Cold Press Construction, Deduct	-12.17	
	For Stave Lumber Core (SLC), Add	456.26	
	For Structural Composite Lumber Core (SCLC), Add	273.75	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	73.00	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	328.50	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	456.26	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	730.01	
	For >50 To 100, Deduct	-42.12	
	For >100, Deduct	-61.22	
08 14 16 00-0539	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	780.56	78.00
	For 7 Ply Cold Press Construction, Deduct	-12.49	
	For Stave Lumber Core (SLC), Add	468.43	
	For Structural Composite Lumber Core (SCLC), Add	281.06	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	74.95	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	337.27	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	468.43	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	749.48	
	For >50 To 100, Deduct	-42.93	
	For >100, Deduct	-62.44	
08 14 16 00-0540	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	803.53	81.39
	For 7 Ply Cold Press Construction, Deduct	-12.82	
	For Stave Lumber Core (SLC), Add	480.57	
	For Structural Composite Lumber Core (SCLC), Add	288.34	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	76.89	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	346.01	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	480.57	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	768.91	
	For >50 To 100, Deduct	-44.25	
	For >100, Deduct	-64.33	
08 14 16 00-0541	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	845.61	81.39
	For 7 Ply Cold Press Construction, Deduct	-13.66	
	For Stave Lumber Core (SLC), Add	512.13	
	For Structural Composite Lumber Core (SCLC), Add	307.28	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	81.94	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	368.73	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	512.13	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	819.41	
	For >50 To 100, Deduct	-46.35	
	For >100, Deduct	-67.49	
08 14 16 00-0542	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	1,030.01	84.78
	For 7 Ply Cold Press Construction, Deduct	-17.21	
	For Stave Lumber Core (SLC), Add	645.34	
	For Structural Composite Lumber Core (SCLC), Add	387.20	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	103.25	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	464.64	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	645.34	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,032.54	
	For >50 To 100, Deduct	-55.74	
	For >100, Deduct	-81.49	
08 14 16 00-0543	EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door.....	1,073.02	84.78
	For 7 Ply Cold Press Construction, Deduct	-18.07	
	For Stave Lumber Core (SLC), Add	677.60	
	For Structural Composite Lumber Core (SCLC), Add	406.56	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	108.42	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	487.87	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	677.60	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,084.15	
	For >50 To 100, Deduct	-57.89	
	For >100, Deduct	-84.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0544	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	1,159.11	84.78
		For 7 Ply Cold Press Construction, Deduct		-19.79	
		For Stave Lumber Core (SLC), Add		742.16	
		For Structural Composite Lumber Core (SCLC), Add		445.30	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		118.75	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		534.36	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		742.16	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		1,187.46	
		For >50 To 100, Deduct		-62.19	
		For >100, Deduct		-91.17	
08 14 16 00-0545	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	786.19	74.60
		For 7 Ply Cold Press Construction, Deduct		-12.74	
		For Stave Lumber Core (SLC), Add		477.73	
		For Structural Composite Lumber Core (SCLC), Add		286.64	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		76.44	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		343.96	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		477.73	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		764.36	
		For >50 To 100, Deduct		-43.04	
		For >100, Deduct		-62.69	
08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	786.19	74.60
		For 7 Ply Cold Press Construction, Deduct		-12.74	
		For Stave Lumber Core (SLC), Add		477.73	
		For Structural Composite Lumber Core (SCLC), Add		286.64	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		76.44	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		343.96	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		477.73	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		764.36	
		For >50 To 100, Deduct		-43.04	
		For >100, Deduct		-62.69	
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	793.15	78.00
		For 7 Ply Cold Press Construction, Deduct		-12.74	
		For Stave Lumber Core (SLC), Add		477.87	
		For Structural Composite Lumber Core (SCLC), Add		286.72	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		76.46	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		344.07	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		477.87	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		764.59	
		For >50 To 100, Deduct		-43.56	
		For >100, Deduct		-63.39	
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	799.74	78.00
		For 7 Ply Cold Press Construction, Deduct		-12.88	
		For Stave Lumber Core (SLC), Add		482.81	
		For Structural Composite Lumber Core (SCLC), Add		289.69	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		77.25	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		347.63	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		482.81	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		772.50	
		For >50 To 100, Deduct		-43.89	
		For >100, Deduct		-63.88	
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	816.90	78.00
		For 7 Ply Cold Press Construction, Deduct		-13.22	
		For Stave Lumber Core (SLC), Add		495.68	
		For Structural Composite Lumber Core (SCLC), Add		297.41	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		79.31	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		356.89	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		495.68	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		793.09	
		For >50 To 100, Deduct		-44.74	
		For >100, Deduct		-65.17	
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	840.81	81.39
		For 7 Ply Cold Press Construction, Deduct		-13.56	
		For Stave Lumber Core (SLC), Add		508.53	
		For Structural Composite Lumber Core (SCLC), Add		305.12	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		81.36	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		366.14	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		508.53	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		813.65	
		For >50 To 100, Deduct		-46.11	
		For >100, Deduct		-67.13	
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	885.36	81.39
		For 7 Ply Cold Press Construction, Deduct		-14.45	
		For Stave Lumber Core (SLC), Add		541.94	
		For Structural Composite Lumber Core (SCLC), Add		325.17	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		86.71	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		390.20	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		541.94	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		867.11	
		For >50 To 100, Deduct		-48.34	
		For >100, Deduct		-70.47	
08 14 16 00-0552	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	1,080.07	84.78
		For 7 Ply Cold Press Construction, Deduct		-18.21	
		For Stave Lumber Core (SLC), Add		682.88	
		For Structural Composite Lumber Core (SCLC), Add		409.73	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		109.26	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		491.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		682.88	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		1,092.61	
		For >50 To 100, Deduct		-58.24	
		For >100, Deduct		-85.24	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,125.59	84.78
		For 7 Ply Cold Press Construction, Deduct	-19.12	
		For Stave Lumber Core (SLC), Add	717.02	
		For Structural Composite Lumber Core (SCLC), Add	430.21	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	114.72	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	516.26	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	717.02	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,147.24	
		For >50 To 100, Deduct	-60.52	
		For >100, Deduct	-88.66	
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,216.68	84.78
		For 7 Ply Cold Press Construction, Deduct	-20.94	
		For Stave Lumber Core (SLC), Add	785.34	
		For Structural Composite Lumber Core (SCLC), Add	471.20	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	125.65	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	565.44	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	785.34	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	1,256.54	
		For >50 To 100, Deduct	-65.07	
		For >100, Deduct	-95.49	
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	910.40	74.60
		For 7 Ply Cold Press Construction, Deduct	-15.22	
		For Stave Lumber Core (SLC), Add	570.89	
		For Structural Composite Lumber Core (SCLC), Add	342.53	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	91.34	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	411.04	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	570.89	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	913.42	
		For >50 To 100, Deduct	-49.25	
		For >100, Deduct	-72.01	
		For 9' Door Height, Add	159.85	
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	910.40	74.60
		For 7 Ply Cold Press Construction, Deduct	-15.22	
		For Stave Lumber Core (SLC), Add	570.89	
		For Structural Composite Lumber Core (SCLC), Add	342.53	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	91.34	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	411.04	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	570.89	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	913.42	
		For >50 To 100, Deduct	-49.25	
		For >100, Deduct	-72.01	
		For 9' Door Height, Add	159.85	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	917.41	78.00
		For 7 Ply Cold Press Construction, Deduct	-15.23	
		For Stave Lumber Core (SLC), Add	571.07	
		For Structural Composite Lumber Core (SCLC), Add	342.64	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	91.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	411.17	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	571.07	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	913.70	
		For >50 To 100, Deduct	-49.77	
		For >100, Deduct	-72.71	
		For 9' Door Height, Add	159.90	
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	925.27	78.00
		For 7 Ply Cold Press Construction, Deduct	-15.39	
		For Stave Lumber Core (SLC), Add	576.96	
		For Structural Composite Lumber Core (SCLC), Add	346.18	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	92.31	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	415.41	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	576.96	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	923.14	
		For >50 To 100, Deduct	-50.16	
		For >100, Deduct	-73.30	
		For 9' Door Height, Add	161.55	
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	945.77	78.00
		For 7 Ply Cold Press Construction, Deduct	-15.80	
		For Stave Lumber Core (SLC), Add	592.34	
		For Structural Composite Lumber Core (SCLC), Add	355.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	94.77	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	426.48	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	592.34	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	947.74	
		For >50 To 100, Deduct	-51.19	
		For >100, Deduct	-74.83	
		For 9' Door Height, Add	165.85	
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	973.04	81.39
		For 7 Ply Cold Press Construction, Deduct	-16.21	
		For Stave Lumber Core (SLC), Add	607.70	
		For Structural Composite Lumber Core (SCLC), Add	364.62	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	97.23	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	437.55	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	607.70	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	972.32	
		For >50 To 100, Deduct	-52.72	
		For >100, Deduct	-77.05	
		For 9' Door Height, Add	170.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	1,026.28	81.39
		For 7 Ply Cold Press Construction, Deduct		-17.27	
		For Stave Lumber Core (SLC), Add		647.63	
		For Structural Composite Lumber Core (SCLC), Add		388.58	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		103.62	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		466.30	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		647.63	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		1,036.21	
		For >50 To 100, Deduct		-55.38	
		For >100, Deduct		-81.04	
		For 9' Door Height, Add		181.34	
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	1,257.64	84.78
		For 7 Ply Cold Press Construction, Deduct		-21.76	
		For Stave Lumber Core (SLC), Add		816.06	
		For Structural Composite Lumber Core (SCLC), Add		489.64	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		130.57	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		587.56	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		816.06	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		1,305.70	
		For >50 To 100, Deduct		-67.12	
		For >100, Deduct		-98.56	
		For 9' Door Height, Add		228.50	
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	1,312.03	84.78
		For 7 Ply Cold Press Construction, Deduct		-22.85	
		For Stave Lumber Core (SLC), Add		856.85	
		For Structural Composite Lumber Core (SCLC), Add		514.11	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		137.10	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		616.93	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		856.85	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		1,370.96	
		For >50 To 100, Deduct		-69.84	
		For >100, Deduct		-102.64	
		For 9' Door Height, Add		239.92	
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	.....	1,420.87	84.78
		For 7 Ply Cold Press Construction, Deduct		-25.03	
		For Stave Lumber Core (SLC), Add		938.48	
		For Structural Composite Lumber Core (SCLC), Add		563.09	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		150.16	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		675.71	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		938.48	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		1,501.57	
		For >50 To 100, Deduct		-75.28	
		For >100, Deduct		-110.80	
		For 9' Door Height, Add		262.78	
08 14 16 00-0565 Lauan Faced Wood Doors (08 14 16 00-0440)					
08 14 16 00-0566	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	.....	304.73	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		18.66	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		83.98	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		116.63	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		186.61	
		For >50 To 100, Deduct		-18.97	
		For >100, Deduct		-26.59	
08 14 16 00-0567	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	.....	304.73	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		18.66	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		83.98	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		116.63	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		186.61	
		For >50 To 100, Deduct		-18.97	
		For >100, Deduct		-26.59	
08 14 16 00-0568	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	.....	311.95	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		18.72	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		84.22	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		116.97	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		187.15	
		For >50 To 100, Deduct		-19.50	
		For >100, Deduct		-27.30	
08 14 16 00-0569	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	.....	316.43	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		19.25	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		86.64	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		120.33	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		192.53	
		For >50 To 100, Deduct		-19.72	
		For >100, Deduct		-27.63	
08 14 16 00-0570	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	.....	318.05	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		19.45	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		87.51	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		121.55	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		194.47	
		For >50 To 100, Deduct		-19.80	
		For >100, Deduct		-27.75	
08 14 16 00-0571	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	.....	326.45	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		19.64	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		88.39	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		122.76	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		196.42	
		For >50 To 100, Deduct		-20.39	
		For >100, Deduct		-28.55	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0572	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	341.24	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.42	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	96.37	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	133.85	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	214.16	
		For >50 To 100, Deduct	-21.13	
		For >100, Deduct	-29.66	
08 14 16 00-0573	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	360.76	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.94	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	103.25	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	143.40	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	229.44	
		For >50 To 100, Deduct	-22.28	
		For >100, Deduct	-31.30	
08 14 16 00-0574	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	370.32	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.09	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	108.41	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	150.57	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	240.91	
		For >50 To 100, Deduct	-22.76	
		For >100, Deduct	-32.01	
08 14 16 00-0575	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	389.45	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.39	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	118.74	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	164.92	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	263.87	
		For >50 To 100, Deduct	-23.71	
		For >100, Deduct	-33.45	
08 14 16 00-0576	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	313.77	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.75	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	88.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	123.41	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	197.46	
		For >50 To 100, Deduct	-19.42	
		For >100, Deduct	-27.26	
08 14 16 00-0577	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	313.77	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.75	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	88.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	123.41	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	197.46	
		For >50 To 100, Deduct	-19.42	
		For >100, Deduct	-27.26	
08 14 16 00-0578	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	321.02	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.80	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	89.12	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	123.77	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	198.04	
		For >50 To 100, Deduct	-19.95	
		For >100, Deduct	-27.98	
08 14 16 00-0579	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	325.76	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	91.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	127.33	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	203.72	
		For >50 To 100, Deduct	-20.19	
		For >100, Deduct	-28.33	
08 14 16 00-0580	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	327.49	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.58	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	92.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	128.63	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	205.80	
		For >50 To 100, Deduct	-20.27	
		For >100, Deduct	-28.46	
08 14 16 00-0581	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	335.97	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.78	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	93.53	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	129.90	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	207.84	
		For >50 To 100, Deduct	-20.87	
		For >100, Deduct	-29.27	
08 14 16 00-0582	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	351.62	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.66	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	101.98	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	141.64	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	226.62	
		For >50 To 100, Deduct	-21.65	
		For >100, Deduct	-30.44	
08 14 16 00-0583	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	371.89	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.28	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	109.26	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	151.75	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	242.80	
		For >50 To 100, Deduct	-22.83	
		For >100, Deduct	-32.13	
08 14 16 00-0584	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	382.00	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.49	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	114.72	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	159.33	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	254.93	
		For >50 To 100, Deduct	-23.34	
		For >100, Deduct	-32.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0585	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	402.25 27.92 125.65 174.52 279.23 -24.35 -34.41	84.78
08 14 16 00-0586	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	345.84 23.59 106.17 147.47 235.94 -21.02 -29.67 41.29	74.60
08 14 16 00-0587	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	345.84 23.59 106.17 147.47 235.94 -21.02 -29.67 41.29	74.60
08 14 16 00-0588	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	353.19 23.66 106.49 147.90 236.64 -21.56 -30.39 41.41	78.00
08 14 16 00-0589	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	358.87 24.35 109.56 152.16 243.46 -21.84 -30.82 42.60	78.00
08 14 16 00-0590	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	360.93 24.59 110.67 153.71 245.93 -21.95 -30.97 43.04	78.00
08 14 16 00-0591	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	369.76 24.84 111.77 155.24 248.39 -22.56 -31.80 43.47	81.39
08 14 16 00-0592	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	388.46 27.08 121.87 169.27 270.83 -23.49 -33.20 47.39	81.39
08 14 16 00-0593	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	411.34 29.01 130.56 181.34 290.14 -24.81 -35.09 50.77	84.78
08 14 16 00-0594	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	423.42 30.46 137.08 190.40 304.63 -25.41 -36.00 53.31	84.78
08 14 16 00-0595	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct For 9' Door Height, Add	447.62 33.37 150.15 208.55 333.67 -26.62 -37.81 58.39	84.78

08 14 16 00-0596 Medium Density Overlay (MDO) Wood Doors (08 14 16 00-0440)

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 14 16 00-0597	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	284.16	74.60
		For Stave Lumber Core (SLC), Add	101.21	
		For Structural Composite Lumber Core (SCLC), Add	60.72	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	16.19	
		For >50 To 100, Deduct	-17.94	
		For >100, Deduct	-25.04	
08 14 16 00-0598	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	284.16	74.60
		For Stave Lumber Core (SLC), Add	101.21	
		For Structural Composite Lumber Core (SCLC), Add	60.72	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	16.19	
		For >50 To 100, Deduct	-17.94	
		For >100, Deduct	-25.04	
08 14 16 00-0599	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	298.74	78.00
		For Stave Lumber Core (SLC), Add	107.06	
		For Structural Composite Lumber Core (SCLC), Add	64.24	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	17.13	
		For >50 To 100, Deduct	-18.84	
		For >100, Deduct	-26.31	
08 14 16 00-0600	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	306.54	78.00
		For Stave Lumber Core (SLC), Add	112.91	
		For Structural Composite Lumber Core (SCLC), Add	67.75	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	18.07	
		For >50 To 100, Deduct	-19.23	
		For >100, Deduct	-26.89	
08 14 16 00-0601	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	307.99	78.00
		For Stave Lumber Core (SLC), Add	114.00	
		For Structural Composite Lumber Core (SCLC), Add	68.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	18.24	
		For >50 To 100, Deduct	-19.30	
		For >100, Deduct	-27.00	
08 14 16 00-0602	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	316.24	81.39
		For Stave Lumber Core (SLC), Add	115.10	
		For Structural Composite Lumber Core (SCLC), Add	69.06	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	18.42	
		For >50 To 100, Deduct	-19.88	
		For >100, Deduct	-27.79	
08 14 16 00-0603	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	333.16	81.39
		For Stave Lumber Core (SLC), Add	127.79	
		For Structural Composite Lumber Core (SCLC), Add	76.68	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.45	
		For >50 To 100, Deduct	-20.73	
		For >100, Deduct	-29.06	
08 14 16 00-0604	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	370.84	84.78
		For Stave Lumber Core (SLC), Add	150.96	
		For Structural Composite Lumber Core (SCLC), Add	90.58	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.15	
		For >50 To 100, Deduct	-22.78	
		For >100, Deduct	-32.05	
08 14 16 00-0605	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	380.91	84.78
		For Stave Lumber Core (SLC), Add	158.51	
		For Structural Composite Lumber Core (SCLC), Add	95.11	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.36	
		For >50 To 100, Deduct	-23.28	
		For >100, Deduct	-32.81	
08 14 16 00-0606	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	401.02	84.78
		For Stave Lumber Core (SLC), Add	173.60	
		For Structural Composite Lumber Core (SCLC), Add	104.16	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.78	
		For >50 To 100, Deduct	-24.29	
		For >100, Deduct	-34.32	
08 14 16 00-0607	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	292.02	74.60
		For Stave Lumber Core (SLC), Add	107.10	
		For Structural Composite Lumber Core (SCLC), Add	64.26	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	17.14	
		For >50 To 100, Deduct	-18.33	
		For >100, Deduct	-25.63	
08 14 16 00-0608	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	292.02	74.60
		For Stave Lumber Core (SLC), Add	107.10	
		For Structural Composite Lumber Core (SCLC), Add	64.26	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	17.14	
		For >50 To 100, Deduct	-18.33	
		For >100, Deduct	-25.63	
08 14 16 00-0609	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	307.06	78.00
		For Stave Lumber Core (SLC), Add	113.30	
		For Structural Composite Lumber Core (SCLC), Add	67.98	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	18.13	
		For >50 To 100, Deduct	-19.25	
		For >100, Deduct	-26.93	
08 14 16 00-0610	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	315.31	78.00
		For Stave Lumber Core (SLC), Add	119.49	
		For Structural Composite Lumber Core (SCLC), Add	71.69	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.12	
		For >50 To 100, Deduct	-19.67	
		For >100, Deduct	-27.55	
08 14 16 00-0611	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	316.84	78.00
		For Stave Lumber Core (SLC), Add	120.64	
		For Structural Composite Lumber Core (SCLC), Add	72.38	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.30	
		For >50 To 100, Deduct	-19.74	
		For >100, Deduct	-27.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0612	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	325.18	81.39	
		For Stave Lumber Core (SLC), Add	121.81		
		For Structural Composite Lumber Core (SCLC), Add	73.08		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.49		
		For >50 To 100, Deduct	-20.33		
		For >100, Deduct	-28.46		
08 14 16 00-0613	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	343.07	81.39	
		For Stave Lumber Core (SLC), Add	135.23		
		For Structural Composite Lumber Core (SCLC), Add	81.14		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.64		
		For >50 To 100, Deduct	-21.22		
		For >100, Deduct	-29.80		
08 14 16 00-0614	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	382.55	84.78	
		For Stave Lumber Core (SLC), Add	159.74		
		For Structural Composite Lumber Core (SCLC), Add	95.85		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.56		
		For >50 To 100, Deduct	-23.37		
		For >100, Deduct	-32.93		
08 14 16 00-0615	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	393.21	84.78	
		For Stave Lumber Core (SLC), Add	167.74		
		For Structural Composite Lumber Core (SCLC), Add	100.64		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.84		
		For >50 To 100, Deduct	-23.90		
		For >100, Deduct	-33.73		
08 14 16 00-0616	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	414.50	84.78	
		For Stave Lumber Core (SLC), Add	183.71		
		For Structural Composite Lumber Core (SCLC), Add	110.22		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.39		
		For >50 To 100, Deduct	-24.96		
		For >100, Deduct	-35.33		
08 14 16 00-0617	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	319.86	74.60	
		For Stave Lumber Core (SLC), Add	127.98		
		For Structural Composite Lumber Core (SCLC), Add	76.79		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.48		
		For >50 To 100, Deduct	-19.72		
		For >100, Deduct	-27.72		
		For 9' Door Height, Add	35.83		
08 14 16 00-0618	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	319.86	74.60	
		For Stave Lumber Core (SLC), Add	127.98		
		For Structural Composite Lumber Core (SCLC), Add	76.79		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.48		
		For >50 To 100, Deduct	-19.72		
		For >100, Deduct	-27.72		
		For 9' Door Height, Add	35.83		
08 14 16 00-0619	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	336.52	78.00	
		For Stave Lumber Core (SLC), Add	135.40		
		For Structural Composite Lumber Core (SCLC), Add	81.24		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.66		
		For >50 To 100, Deduct	-20.73		
		For >100, Deduct	-29.14		
		For 9' Door Height, Add	37.91		
08 14 16 00-0620	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	346.38	78.00	
		For Stave Lumber Core (SLC), Add	142.79		
		For Structural Composite Lumber Core (SCLC), Add	85.68		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.85		
		For >50 To 100, Deduct	-21.22		
		For >100, Deduct	-29.88		
		For 9' Door Height, Add	39.98		
08 14 16 00-0621	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	348.21	78.00	
		For Stave Lumber Core (SLC), Add	144.17		
		For Structural Composite Lumber Core (SCLC), Add	86.50		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.07		
		For >50 To 100, Deduct	-21.31		
		For >100, Deduct	-30.02		
		For 9' Door Height, Add	40.37		
08 14 16 00-0622	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	356.85	81.39	
		For Stave Lumber Core (SLC), Add	145.56		
		For Structural Composite Lumber Core (SCLC), Add	87.34		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.29		
		For >50 To 100, Deduct	-21.91		
		For >100, Deduct	-30.83		
		For 9' Door Height, Add	40.76		
08 14 16 00-0623	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	378.23	81.39	
		For Stave Lumber Core (SLC), Add	161.60		
		For Structural Composite Lumber Core (SCLC), Add	96.96		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.86		
		For >50 To 100, Deduct	-22.98		
		For >100, Deduct	-32.44		
		For 9' Door Height, Add	45.25		
08 14 16 00-0624	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	424.07	84.78	
		For Stave Lumber Core (SLC), Add	190.88		
		For Structural Composite Lumber Core (SCLC), Add	114.53		
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.54		
		For >50 To 100, Deduct	-25.44		
		For >100, Deduct	-36.04		
		For 9' Door Height, Add	53.45		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 16 00-0625	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	436.82	84.78
		For Stave Lumber Core (SLC), Add	200.45	
		For Structural Composite Lumber Core (SCLC), Add	120.27	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.07	
		For >50 To 100, Deduct	-26.08	
		For >100, Deduct	-37.00	
		For 9' Door Height, Add	56.12	
08 14 16 00-0626	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	462.26	84.78
		For Stave Lumber Core (SLC), Add	219.53	
		For Structural Composite Lumber Core (SCLC), Add	131.72	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.12	
		For >50 To 100, Deduct	-27.35	
		For >100, Deduct	-38.91	
		For 9' Door Height, Add	61.47	

08 14 16 00-0627 Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)

08 14 16 00-0628	EA	Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door	76.36	
		Note: Includes (2) coats any standard manufacturer color on six sides.		
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	25.43	
08 14 16 00-0629	EA	Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	114.54	
		Note: Includes (3) coats any standard manufacturer color on six sides.		
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	25.43	

08 14 23 Clad Wood Doors (08 14)**08 14 23 13 Metal-Faced Wood Doors (08 14 23)**

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)

08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	721.59	166.85
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	773.85	183.13
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	834.46	202.12
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	870.56	208.89
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	935.07	229.92
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	1,006.54	237.39

08 14 23 16 Plastic-Laminate-Faced Wood Doors (08 14 23)**08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16)**

Note: PC = Particleboard, medium-density fiberboard (MDF), or aggrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	334.55	74.60
		For Structural Composite Lumber Core (SCLC), Add	83.40	
		For 5 Ply Construction, Add	6.49	
		For >50 To 100, Deduct	-20.46	
		For >100, Deduct	-28.82	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	334.55	74.60
		For Structural Composite Lumber Core (SCLC), Add	83.40	
		For 5 Ply Construction, Add	6.49	
		For >50 To 100, Deduct	-20.46	
		For >100, Deduct	-28.82	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	351.51	78.00
		For Structural Composite Lumber Core (SCLC), Add	87.98	
		For 5 Ply Construction, Add	6.84	
		For >50 To 100, Deduct	-21.48	
		For >100, Deduct	-30.26	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	361.71	78.00
		For Structural Composite Lumber Core (SCLC), Add	92.57	
		For 5 Ply Construction, Add	7.20	
		For >50 To 100, Deduct	-21.99	
		For >100, Deduct	-31.03	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	366.85	78.00
		For Structural Composite Lumber Core (SCLC), Add	94.89	
		For 5 Ply Construction, Add	7.38	
		For >50 To 100, Deduct	-22.24	
		For >100, Deduct	-31.41	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	378.75	81.39
		For Structural Composite Lumber Core (SCLC), Add	97.19	
		For 5 Ply Construction, Add	7.56	
		For >50 To 100, Deduct	-23.01	
		For >100, Deduct	-32.48	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	402.50	81.39
		For Structural Composite Lumber Core (SCLC), Add	107.88	
		For 5 Ply Construction, Add	8.39	
		For >50 To 100, Deduct	-24.19	
		For >100, Deduct	-34.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0009	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	424.63	84.78
			For Structural Composite Lumber Core (SCLC), Add	114.78	
			For 5 Ply Construction, Add	8.93	
			For >50 To 100, Deduct	-25.47	
			For >100, Deduct	-36.09	
08 14 23 16-0010	EA		2'-0" x 7" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	345.34	74.60
			For Structural Composite Lumber Core (SCLC), Add	88.25	
			For 5 Ply Construction, Add	6.86	
			For >50 To 100, Deduct	-21.00	
			For >100, Deduct	-29.63	
08 14 23 16-0011	EA		2'-4" x 7" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	345.33	74.60
			For Structural Composite Lumber Core (SCLC), Add	88.25	
			For 5 Ply Construction, Add	6.86	
			For >50 To 100, Deduct	-21.00	
			For >100, Deduct	-29.63	
08 14 23 16-0012	EA		2'-6" x 7" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	362.90	78.00
			For Structural Composite Lumber Core (SCLC), Add	93.11	
			For 5 Ply Construction, Add	7.24	
			For >50 To 100, Deduct	-22.04	
			For >100, Deduct	-31.12	
08 14 23 16-0013	EA		2'-8" x 7" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	373.68	78.00
			For Structural Composite Lumber Core (SCLC), Add	97.96	
			For 5 Ply Construction, Add	7.62	
			For >50 To 100, Deduct	-22.58	
			For >100, Deduct	-31.93	
08 14 23 16-0014	EA		2'-10" x 7" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	379.12	78.00
			For Structural Composite Lumber Core (SCLC), Add	100.41	
			For 5 Ply Construction, Add	7.81	
			For >50 To 100, Deduct	-22.86	
			For >100, Deduct	-32.33	
08 14 23 16-0015	EA		3'-0" x 7" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	391.32	81.39
			For Structural Composite Lumber Core (SCLC), Add	102.85	
			For 5 Ply Construction, Add	8.00	
			For >50 To 100, Deduct	-23.64	
			For >100, Deduct	-33.42	
08 14 23 16-0016	EA		3'-4" x 7" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	416.45	81.39
			For Structural Composite Lumber Core (SCLC), Add	114.16	
			For 5 Ply Construction, Add	8.88	
			For >50 To 100, Deduct	-24.89	
			For >100, Deduct	-35.30	
08 14 23 16-0017	EA		3'-6" x 7" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	439.47	84.78
			For Structural Composite Lumber Core (SCLC), Add	121.46	
			For 5 Ply Construction, Add	9.45	
			For >50 To 100, Deduct	-26.21	
			For >100, Deduct	-37.20	
08 14 23 16-0018	EA		2'-0" x 8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	383.58	74.60
			For Structural Composite Lumber Core (SCLC), Add	105.46	
			For 5 Ply Construction, Add	8.20	
			For >50 To 100, Deduct	-22.91	
			For >100, Deduct	-32.50	
08 14 23 16-0019	EA		2'-4" x 8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	383.58	74.60
			For Structural Composite Lumber Core (SCLC), Add	105.46	
			For 5 Ply Construction, Add	8.20	
			For >50 To 100, Deduct	-22.91	
			For >100, Deduct	-32.50	
08 14 23 16-0020	EA		2'-6" x 8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	403.25	78.00
			For Structural Composite Lumber Core (SCLC), Add	111.27	
			For 5 Ply Construction, Add	8.65	
			For >50 To 100, Deduct	-24.06	
			For >100, Deduct	-34.14	
08 14 23 16-0021	EA		2'-8" x 8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	416.14	78.00
			For Structural Composite Lumber Core (SCLC), Add	117.07	
			For 5 Ply Construction, Add	9.11	
			For >50 To 100, Deduct	-24.71	
			For >100, Deduct	-35.11	
08 14 23 16-0022	EA		2'-10" x 8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	422.63	78.00
			For Structural Composite Lumber Core (SCLC), Add	119.99	
			For 5 Ply Construction, Add	9.33	
			For >50 To 100, Deduct	-25.03	
			For >100, Deduct	-35.60	
08 14 23 16-0023	EA		3'-0" x 8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	435.89	81.39
			For Structural Composite Lumber Core (SCLC), Add	122.90	
			For 5 Ply Construction, Add	9.56	
			For >50 To 100, Deduct	-25.86	
			For >100, Deduct	-36.76	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	465.91	81.39
		For Structural Composite Lumber Core (SCLC), Add	136.41	
		For 5 Ply Construction, Add	10.61	
		For >50 To 100, Deduct	-27.36	
		For >100, Deduct	-39.01	
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	492.10	84.78
		For Structural Composite Lumber Core (SCLC), Add	145.14	
		For 5 Ply Construction, Add	11.29	
		For >50 To 100, Deduct	-28.84	
		For >100, Deduct	-41.15	

08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors

(08 14 23 16)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	464.97	74.60
		For 5 Ply Construction, Add	11.05	
		For Stave Lumber Core (SLC), Add	236.81	
		For Structural Composite Lumber Core (SCLC), Add	142.09	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.89	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	170.51	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	236.81	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	378.90	
		For >50 To 100, Deduct	-26.98	
		For >100, Deduct	-38.60	
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	464.95	74.60
		For 5 Ply Construction, Add	11.05	
		For Stave Lumber Core (SLC), Add	236.80	
		For Structural Composite Lumber Core (SCLC), Add	142.08	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.89	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	170.49	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	236.80	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	378.88	
		For >50 To 100, Deduct	-26.98	
		For >100, Deduct	-38.60	
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	481.60	78.00
		For 5 Ply Construction, Add	11.40	
		For Stave Lumber Core (SLC), Add	244.21	
		For Structural Composite Lumber Core (SCLC), Add	146.52	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.07	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	175.83	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	244.21	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	390.73	
		For >50 To 100, Deduct	-27.98	
		For >100, Deduct	-40.02	
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	481.60	78.00
		For 5 Ply Construction, Add	11.40	
		For Stave Lumber Core (SLC), Add	244.21	
		For Structural Composite Lumber Core (SCLC), Add	146.52	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.07	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	175.83	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	244.21	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	390.73	
		For >50 To 100, Deduct	-27.98	
		For >100, Deduct	-40.02	
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	501.16	78.00
		For 5 Ply Construction, Add	12.08	
		For Stave Lumber Core (SLC), Add	258.88	
		For Structural Composite Lumber Core (SCLC), Add	155.33	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.42	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	186.39	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	258.88	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	414.20	
		For >50 To 100, Deduct	-28.96	
		For >100, Deduct	-41.49	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	527.49	81.39
		For 5 Ply Construction, Add	12.77	
		For Stave Lumber Core (SLC), Add	273.54	
		For Structural Composite Lumber Core (SCLC), Add	164.12	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.77	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	196.95	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	273.54	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	437.66	
		For >50 To 100, Deduct	-30.44	
		For >100, Deduct	-43.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	547.48	81.39
			For 5 Ply Construction, Add	13.46	
			For Stave Lumber Core (SLC), Add	288.53	
			For Structural Composite Lumber Core (SCLC), Add	173.12	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.17	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	207.74	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	288.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	461.65	
			For >50 To 100, Deduct	-31.44	
			For >100, Deduct	-45.13	
08 14 23 16-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	564.25	84.78
			For 5 Ply Construction, Add	13.81	
			For Stave Lumber Core (SLC), Add	296.02	
			For Structural Composite Lumber Core (SCLC), Add	177.61	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.36	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	213.13	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	296.02	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	473.63	
			For >50 To 100, Deduct	-32.45	
			For >100, Deduct	-46.56	
08 14 23 16-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	583.98	84.78
			For 5 Ply Construction, Add	14.50	
			For Stave Lumber Core (SLC), Add	310.82	
			For Structural Composite Lumber Core (SCLC), Add	186.49	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.73	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	223.79	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	310.82	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	497.30	
			For >50 To 100, Deduct	-33.44	
			For >100, Deduct	-48.04	
08 14 23 16-0036	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	637.02	91.56
			For 5 Ply Construction, Add	15.89	
			For Stave Lumber Core (SLC), Add	340.42	
			For Structural Composite Lumber Core (SCLC), Add	204.25	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.47	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	245.10	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	340.42	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	544.67	
			For >50 To 100, Deduct	-36.43	
			For >100, Deduct	-52.35	
08 14 23 16-0037	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	483.35	74.60
			For 5 Ply Construction, Add	11.69	
			For Stave Lumber Core (SLC), Add	250.60	
			For Structural Composite Lumber Core (SCLC), Add	150.36	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.10	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.43	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	250.60	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	400.96	
			For >50 To 100, Deduct	-27.90	
			For >100, Deduct	-39.98	
08 14 23 16-0038	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	483.33	74.60
			For 5 Ply Construction, Add	11.69	
			For Stave Lumber Core (SLC), Add	250.58	
			For Structural Composite Lumber Core (SCLC), Add	150.35	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.09	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.42	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	250.58	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	400.93	
			For >50 To 100, Deduct	-27.90	
			For >100, Deduct	-39.98	
08 14 23 16-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	500.56	78.00
			For 5 Ply Construction, Add	12.06	
			For Stave Lumber Core (SLC), Add	258.43	
			For Structural Composite Lumber Core (SCLC), Add	155.06	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.35	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	186.07	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	258.43	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	413.48	
			For >50 To 100, Deduct	-28.93	
			For >100, Deduct	-41.44	
08 14 23 16-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	500.56	78.00
			For 5 Ply Construction, Add	12.06	
			For Stave Lumber Core (SLC), Add	258.43	
			For Structural Composite Lumber Core (SCLC), Add	155.06	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.35	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	186.07	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	258.43	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	413.48	
			For >50 To 100, Deduct	-28.93	
			For >100, Deduct	-41.44	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	521.25	78.00
		For 5 Ply Construction, Add	12.78	
		For Stave Lumber Core (SLC), Add	273.95	
		For Structural Composite Lumber Core (SCLC), Add	164.37	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.83	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	197.24	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	273.95	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	438.31	
		For >50 To 100, Deduct	-29.96	
		For >100, Deduct	-42.99	
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	548.73	81.39
		For 5 Ply Construction, Add	13.51	
		For Stave Lumber Core (SLC), Add	289.47	
		For Structural Composite Lumber Core (SCLC), Add	173.68	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.32	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	208.42	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	289.47	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	463.15	
		For >50 To 100, Deduct	-31.51	
		For >100, Deduct	-45.22	
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	569.86	81.39
		For 5 Ply Construction, Add	14.25	
		For Stave Lumber Core (SLC), Add	305.32	
		For Structural Composite Lumber Core (SCLC), Add	183.19	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.85	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	219.83	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	305.32	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	488.51	
		For >50 To 100, Deduct	-32.56	
		For >100, Deduct	-46.81	
08 14 23 16-0044	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	587.22	84.78
		For 5 Ply Construction, Add	14.62	
		For Stave Lumber Core (SLC), Add	313.25	
		For Structural Composite Lumber Core (SCLC), Add	187.95	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.12	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	225.54	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	313.25	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	501.19	
		For >50 To 100, Deduct	-33.60	
		For >100, Deduct	-48.28	
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	608.10	84.78
		For 5 Ply Construction, Add	15.35	
		For Stave Lumber Core (SLC), Add	328.91	
		For Structural Composite Lumber Core (SCLC), Add	197.34	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.62	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	236.81	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	328.91	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	526.25	
		For >50 To 100, Deduct	-34.64	
		For >100, Deduct	-49.85	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	663.43	91.56
		For 5 Ply Construction, Add	16.81	
		For Stave Lumber Core (SLC), Add	360.23	
		For Structural Composite Lumber Core (SCLC), Add	216.14	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	57.64	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	259.36	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	360.23	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	576.36	
		For >50 To 100, Deduct	-37.75	
		For >100, Deduct	-54.34	
08 14 23 16-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	548.51	74.60
		For 5 Ply Construction, Add	13.98	
		For Stave Lumber Core (SLC), Add	299.47	
		For Structural Composite Lumber Core (SCLC), Add	179.68	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.91	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	215.62	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	299.47	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	479.15	
		For >50 To 100, Deduct	-31.16	
		For >100, Deduct	-44.87	
08 14 23 16-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	548.49	74.60
		For 5 Ply Construction, Add	13.97	
		For Stave Lumber Core (SLC), Add	299.45	
		For Structural Composite Lumber Core (SCLC), Add	179.67	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.91	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	215.61	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	299.45	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	479.12	
		For >50 To 100, Deduct	-31.16	
		For >100, Deduct	-44.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	567.75	78.00
			For 5 Ply Construction, Add	14.41	
			For Stave Lumber Core (SLC), Add	308.82	
			For Structural Composite Lumber Core (SCLC), Add	185.29	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.41	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	222.35	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	308.82	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	494.11	
			For >50 To 100, Deduct	-32.29	
			For >100, Deduct	-46.48	
08 14 23 16-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	567.75	78.00
			For 5 Ply Construction, Add	14.41	
			For Stave Lumber Core (SLC), Add	308.82	
			For Structural Composite Lumber Core (SCLC), Add	185.29	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.41	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	222.35	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	308.82	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	494.11	
			For >50 To 100, Deduct	-32.29	
			For >100, Deduct	-46.48	
08 14 23 16-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	592.47	78.00
			For 5 Ply Construction, Add	15.28	
			For Stave Lumber Core (SLC), Add	327.36	
			For Structural Composite Lumber Core (SCLC), Add	196.42	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.38	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	235.70	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	327.36	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	523.78	
			For >50 To 100, Deduct	-33.52	
			For >100, Deduct	-48.34	
08 14 23 16-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	623.99	81.39
			For 5 Ply Construction, Add	16.14	
			For Stave Lumber Core (SLC), Add	345.92	
			For Structural Composite Lumber Core (SCLC), Add	207.55	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.35	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	249.06	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	345.92	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	553.46	
			For >50 To 100, Deduct	-35.27	
			For >100, Deduct	-50.87	
08 14 23 16-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	649.24	81.39
			For 5 Ply Construction, Add	17.03	
			For Stave Lumber Core (SLC), Add	364.85	
			For Structural Composite Lumber Core (SCLC), Add	218.91	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	58.38	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	262.69	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	364.85	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	583.76	
			For >50 To 100, Deduct	-36.53	
			For >100, Deduct	-52.76	
08 14 23 16-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	668.66	84.78
			For 5 Ply Construction, Add	17.47	
			For Stave Lumber Core (SLC), Add	374.33	
			For Structural Composite Lumber Core (SCLC), Add	224.60	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	59.89	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	269.51	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	374.33	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	598.92	
			For >50 To 100, Deduct	-37.67	
			For >100, Deduct	-54.39	
08 14 23 16-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	693.60	84.78
			For 5 Ply Construction, Add	18.34	
			For Stave Lumber Core (SLC), Add	393.03	
			For Structural Composite Lumber Core (SCLC), Add	235.82	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.88	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	282.98	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	393.03	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	628.85	
			For >50 To 100, Deduct	-38.92	
			For >100, Deduct	-56.26	
08 14 23 16-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	757.09	91.56
			For 5 Ply Construction, Add	20.09	
			For Stave Lumber Core (SLC), Add	430.47	
			For Structural Composite Lumber Core (SCLC), Add	258.28	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	68.88	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	309.94	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	430.47	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	688.75	
			For >50 To 100, Deduct	-42.43	
			For >100, Deduct	-61.36	

08 14 23 19 Molded-Hardboard-Faced Wood Doors (08 14 23)

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 23 19-0001	1-3/8" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)		
08 14 23 19-0002	EA 2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	246.83	74.60
	For>50 To 100, Deduct	-16.07	
	For>100, Deduct	-22.24	
08 14 23 19-0003	EA 2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	246.83	74.60
	For>50 To 100, Deduct	-16.07	
	For>100, Deduct	-22.24	
08 14 23 19-0004	EA 2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	260.72	78.00
	For>50 To 100, Deduct	-16.94	
	For>100, Deduct	-23.45	
08 14 23 19-0005	EA 2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	264.11	78.00
	For>50 To 100, Deduct	-17.11	
	For>100, Deduct	-23.71	
08 14 23 19-0006	EA 2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	267.47	78.00
	For>50 To 100, Deduct	-17.27	
	For>100, Deduct	-23.96	
08 14 23 19-0007	EA 3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	277.64	81.39
	For>50 To 100, Deduct	-17.95	
	For>100, Deduct	-24.89	
08 14 23 19-0008	EA 3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	290.26	81.39
	For>50 To 100, Deduct	-18.58	
	For>100, Deduct	-25.84	
08 14 23 19-0009	EA 3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	305.22	84.78
	For>50 To 100, Deduct	-19.50	
	For>100, Deduct	-27.13	
08 14 23 19-0010	EA 2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	252.51	74.60
	For>50 To 100, Deduct	-16.36	
	For>100, Deduct	-22.67	
08 14 23 19-0011	EA 2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	252.51	74.60
	For>50 To 100, Deduct	-16.36	
	For>100, Deduct	-22.67	
08 14 23 19-0012	EA 2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	266.82	78.00
	For>50 To 100, Deduct	-17.24	
	For>100, Deduct	-23.91	
08 14 23 19-0013	EA 2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	270.39	78.00
	For>50 To 100, Deduct	-17.42	
	For>100, Deduct	-24.18	
08 14 23 19-0014	EA 2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	273.96	78.00
	For>50 To 100, Deduct	-17.60	
	For>100, Deduct	-24.45	
08 14 23 19-0015	EA 3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	284.32	81.39
	For>50 To 100, Deduct	-18.29	
	For>100, Deduct	-25.39	
08 14 23 19-0016	EA 3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	297.67	81.39
	For>50 To 100, Deduct	-18.95	
	For>100, Deduct	-26.39	
08 14 23 19-0017	EA 3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	313.10	84.78
	For>50 To 100, Deduct	-19.89	
	For>100, Deduct	-27.72	
08 14 23 19-0018	EA 2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	272.66	74.60
	For>50 To 100, Deduct	-17.36	
	For>100, Deduct	-24.18	
08 14 23 19-0019	EA 2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	272.66	74.60
	For>50 To 100, Deduct	-17.36	
	For>100, Deduct	-24.18	
08 14 23 19-0020	EA 2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	288.44	78.00
	For>50 To 100, Deduct	-18.32	
	For>100, Deduct	-25.53	
08 14 23 19-0021	EA 2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	292.70	78.00
	For>50 To 100, Deduct	-18.53	
	For>100, Deduct	-25.85	
08 14 23 19-0022	EA 2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	296.98	78.00
	For>50 To 100, Deduct	-18.75	
	For>100, Deduct	-26.17	
08 14 23 19-0023	EA 3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	308.02	81.39
	For>50 To 100, Deduct	-19.47	
	For>100, Deduct	-27.17	
08 14 23 19-0024	EA 3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	323.97	81.39
	For>50 To 100, Deduct	-20.27	
	For>100, Deduct	-28.37	
08 14 23 19-0025	EA 3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	341.08	84.78
	For>50 To 100, Deduct	-21.29	
	For>100, Deduct	-29.82	
08 14 23 19-0026	1-3/4" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)		
08 14 23 19-0027	EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	270.85	74.60
	For>50 To 100, Deduct	-17.27	
	For>100, Deduct	-24.04	
08 14 23 19-0028	EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	270.85	74.60
	For>50 To 100, Deduct	-17.27	
	For>100, Deduct	-24.04	
08 14 23 19-0029	EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	280.98	78.00
	For>50 To 100, Deduct	-17.95	
	For>100, Deduct	-24.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	287.76	78.00
			For >50 To 100, Deduct	-18.29	
			For >100, Deduct	-25.48	
08 14 23 19-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	291.15	78.00
			For >50 To 100, Deduct	-18.46	
			For >100, Deduct	-25.74	
08 14 23 19-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	301.27	81.39
			For >50 To 100, Deduct	-19.13	
			For >100, Deduct	-26.66	
08 14 23 19-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	308.99	81.39
			For >50 To 100, Deduct	-19.52	
			For >100, Deduct	-27.24	
08 14 23 19-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	340.90	84.78
			For >50 To 100, Deduct	-21.28	
			For >100, Deduct	-29.81	
08 14 23 19-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	349.46	84.78
			For >50 To 100, Deduct	-21.71	
			For >100, Deduct	-30.45	
08 14 23 19-0036	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	366.62	84.78
			For >50 To 100, Deduct	-22.57	
			For >100, Deduct	-31.74	
08 14 23 19-0037	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	277.91	74.60
			For >50 To 100, Deduct	-17.63	
			For >100, Deduct	-24.57	
08 14 23 19-0038	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	277.91	74.60
			For >50 To 100, Deduct	-17.63	
			For >100, Deduct	-24.57	
08 14 23 19-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	288.26	78.00
			For >50 To 100, Deduct	-18.31	
			For >100, Deduct	-25.52	
08 14 23 19-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	295.43	78.00
			For >50 To 100, Deduct	-18.67	
			For >100, Deduct	-26.06	
08 14 23 19-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	299.00	78.00
			For >50 To 100, Deduct	-18.85	
			For >100, Deduct	-26.32	
08 14 23 19-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	309.33	81.39
			For >50 To 100, Deduct	-19.54	
			For >100, Deduct	-27.27	
08 14 23 19-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	317.50	81.39
			For >50 To 100, Deduct	-19.94	
			For >100, Deduct	-27.88	
08 14 23 19-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	350.88	84.78
			For >50 To 100, Deduct	-21.78	
			For >100, Deduct	-30.56	
08 14 23 19-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	359.95	84.78
			For >50 To 100, Deduct	-22.24	
			For >100, Deduct	-31.24	
08 14 23 19-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	378.08	84.78
			For >50 To 100, Deduct	-23.14	
			For >100, Deduct	-32.60	
08 14 23 19-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	303.01	74.60
			For >50 To 100, Deduct	-18.88	
			For >100, Deduct	-26.46	
08 14 23 19-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	303.01	74.60
			For >50 To 100, Deduct	-18.88	
			For >100, Deduct	-26.46	
08 14 23 19-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	314.06	78.00
			For >50 To 100, Deduct	-19.60	
			For >100, Deduct	-27.45	
08 14 23 19-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	322.63	78.00
			For >50 To 100, Deduct	-20.03	
			For >100, Deduct	-28.10	
08 14 23 19-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	326.88	78.00
			For >50 To 100, Deduct	-20.24	
			For >100, Deduct	-28.42	
08 14 23 19-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	337.92	81.39
			For >50 To 100, Deduct	-20.97	
			For >100, Deduct	-29.41	
08 14 23 19-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	347.67	81.39
			For >50 To 100, Deduct	-21.45	
			For >100, Deduct	-30.14	
08 14 23 19-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	386.25	84.78
			For >50 To 100, Deduct	-23.55	
			For >100, Deduct	-33.21	
08 14 23 19-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	397.08	84.78
			For >50 To 100, Deduct	-24.09	
			For >100, Deduct	-34.02	
08 14 23 19-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	418.75	84.78
			For >50 To 100, Deduct	-25.18	
			For >100, Deduct	-35.65	

08 14 23 19-0057 1-3/8" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 23 19-0058	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	290.48	74.60
		For >50 To 100, Deduct	-18.25	
		For >100, Deduct	-25.52	
08 14 23 19-0059	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	290.48	74.60
		For >50 To 100, Deduct	-18.25	
		For >100, Deduct	-25.52	
08 14 23 19-0060	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	305.46	78.00
		For >50 To 100, Deduct	-19.17	
		For >100, Deduct	-26.81	
08 14 23 19-0061	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	313.64	78.00
		For >50 To 100, Deduct	-19.58	
		For >100, Deduct	-27.42	
08 14 23 19-0062	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	315.14	78.00
		For >50 To 100, Deduct	-19.66	
		For >100, Deduct	-27.54	
08 14 23 19-0063	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	323.45	81.39
		For >50 To 100, Deduct	-20.24	
		For >100, Deduct	-28.33	
08 14 23 19-0064	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	341.18	81.39
		For >50 To 100, Deduct	-21.13	
		For >100, Deduct	-29.66	
08 14 23 19-0065	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	380.28	84.78
		For >50 To 100, Deduct	-23.25	
		For >100, Deduct	-32.76	
08 14 23 19-0066	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	298.72	74.60
		For >50 To 100, Deduct	-18.67	
		For >100, Deduct	-26.13	
08 14 23 19-0067	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	298.72	74.60
		For >50 To 100, Deduct	-18.67	
		For >100, Deduct	-26.13	
08 14 23 19-0068	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	314.16	78.00
		For >50 To 100, Deduct	-19.61	
		For >100, Deduct	-27.46	
08 14 23 19-0069	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	322.81	78.00
		For >50 To 100, Deduct	-20.04	
		For >100, Deduct	-28.11	
08 14 23 19-0070	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	324.42	78.00
		For >50 To 100, Deduct	-20.12	
		For >100, Deduct	-28.23	
08 14 23 19-0071	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	332.80	81.39
		For >50 To 100, Deduct	-20.71	
		For >100, Deduct	-29.03	
08 14 23 19-0072	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	351.57	81.39
		For >50 To 100, Deduct	-21.65	
		For >100, Deduct	-30.44	
08 14 23 19-0073	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	392.56	84.78
		For >50 To 100, Deduct	-23.87	
		For >100, Deduct	-33.68	
08 14 23 19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	327.87	74.60
		For >50 To 100, Deduct	-20.12	
		For >100, Deduct	-28.32	
08 14 23 19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	327.87	74.60
		For >50 To 100, Deduct	-20.12	
		For >100, Deduct	-28.32	
08 14 23 19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	345.01	78.00
		For >50 To 100, Deduct	-21.15	
		For >100, Deduct	-29.78	
08 14 23 19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	355.34	78.00
		For >50 To 100, Deduct	-21.67	
		For >100, Deduct	-30.55	
08 14 23 19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	357.25	78.00
		For >50 To 100, Deduct	-21.76	
		For >100, Deduct	-30.69	
08 14 23 19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	365.97	81.39
		For >50 To 100, Deduct	-22.37	
		For >100, Deduct	-31.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		388.38	81.39
		For >50 To 100, Deduct		-23.49	
		For >100, Deduct		-33.20	
08 14 23 19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		436.05	84.78
		For >50 To 100, Deduct		-26.04	
		For >100, Deduct		-36.94	
08 14 23 19-0082		1-3/4" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors (08 14 23 19)			
		Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.			
08 14 23 19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		326.73	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		21.30	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		95.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		133.13	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		213.01	
		For >50 To 100, Deduct		-20.07	
		For >100, Deduct		-28.24	
08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		326.73	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		21.30	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		95.86	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		133.13	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		213.01	
		For >50 To 100, Deduct		-20.07	
		For >100, Deduct		-28.24	
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		343.78	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		22.53	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		101.41	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		140.84	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		225.35	
		For >50 To 100, Deduct		-21.09	
		For >100, Deduct		-29.68	
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		354.03	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		23.76	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		106.94	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		148.53	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		237.65	
		For >50 To 100, Deduct		-21.60	
		For >100, Deduct		-30.45	
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		355.94	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		23.99	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		107.97	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		149.96	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		239.94	
		For >50 To 100, Deduct		-21.70	
		For >100, Deduct		-30.60	
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		364.66	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		24.23	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		109.02	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		151.42	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		242.27	
		For >50 To 100, Deduct		-22.30	
		For >100, Deduct		-31.42	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		386.91	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		26.90	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		121.04	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		168.11	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		268.97	
		For >50 To 100, Deduct		-23.41	
		For >100, Deduct		-33.09	
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		434.33	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		31.77	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		142.98	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		198.58	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		317.72	
		For >50 To 100, Deduct		-25.96	
		For >100, Deduct		-36.81	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door		447.59	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add		33.36	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add		150.14	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add		208.52	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add		333.64	
		For >50 To 100, Deduct		-26.62	
		For >100, Deduct		-37.81	

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 23 19-0092	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	474.04	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.54	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	164.42	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	228.36	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	365.38	
		For >50 To 100, Deduct	-27.94	
		For >100, Deduct	-39.79	
08 14 23 19-0093	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	337.06	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.54	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	101.43	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	140.88	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	225.41	
		For >50 To 100, Deduct	-20.58	
		For >100, Deduct	-29.01	
08 14 23 19-0094	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	337.06	74.60
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.54	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	101.43	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	140.88	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	225.41	
		For >50 To 100, Deduct	-20.58	
		For >100, Deduct	-29.01	
08 14 23 19-0095	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	354.71	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.85	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	107.31	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	149.04	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	238.46	
		For >50 To 100, Deduct	-21.64	
		For >100, Deduct	-30.50	
08 14 23 19-0096	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	365.57	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.15	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	113.17	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	157.19	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	251.50	
		For >50 To 100, Deduct	-22.18	
		For >100, Deduct	-31.32	
08 14 23 19-0097	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	367.59	78.00
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.39	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	114.26	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	158.70	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	253.92	
		For >50 To 100, Deduct	-22.28	
		For >100, Deduct	-31.47	
08 14 23 19-0098	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	376.41	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.64	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.37	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.23	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	256.37	
		For >50 To 100, Deduct	-22.89	
		For >100, Deduct	-32.30	
08 14 23 19-0099	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	399.95	81.39
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.46	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	128.08	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	177.89	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	284.62	
		For >50 To 100, Deduct	-24.07	
		For >100, Deduct	-34.07	
08 14 23 19-0100	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	449.74	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.62	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	151.30	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	210.14	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	336.22	
		For >50 To 100, Deduct	-26.73	
		For >100, Deduct	-37.97	
08 14 23 19-0101	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	463.76	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.30	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	158.87	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	220.65	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	353.04	
		For >50 To 100, Deduct	-27.43	
		For >100, Deduct	-39.02	
08 14 23 19-0102	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	491.77	84.78
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.67	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	173.99	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	241.66	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	386.65	
		For >50 To 100, Deduct	-28.83	
		For >100, Deduct	-41.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0103	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	373.69	74.60
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.94	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	121.21	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	168.35	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	269.36	
			For >50 To 100, Deduct	-22.42	
			For >100, Deduct	-31.76	
08 14 23 19-0104	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	373.69	74.60
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.94	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	121.21	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	168.35	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	269.36	
			For >50 To 100, Deduct	-22.42	
			For >100, Deduct	-31.76	
08 14 23 19-0105	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	393.47	78.00
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.50	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	128.24	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	178.11	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	284.98	
			For >50 To 100, Deduct	-23.57	
			For >100, Deduct	-33.41	
08 14 23 19-0106	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	406.45	78.00
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.06	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	135.25	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	187.85	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	300.55	
			For >50 To 100, Deduct	-24.22	
			For >100, Deduct	-34.38	
08 14 23 19-0107	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	408.85	78.00
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.34	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	136.54	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	189.65	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	303.43	
			For >50 To 100, Deduct	-24.34	
			For >100, Deduct	-34.56	
08 14 23 19-0108	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	418.08	81.39
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.64	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	137.87	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	191.48	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	306.37	
			For >50 To 100, Deduct	-24.97	
			For >100, Deduct	-35.43	
08 14 23 19-0109	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	446.20	81.39
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.01	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	153.05	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	212.57	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	340.12	
			For >50 To 100, Deduct	-26.38	
			For >100, Deduct	-37.53	
08 14 23 19-0110	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	504.37	84.78
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.18	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	180.80	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	251.11	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	401.77	
			For >50 To 100, Deduct	-29.46	
			For >100, Deduct	-42.07	
08 14 23 19-0111	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	521.14	84.78
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.19	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	189.85	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	263.69	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	421.90	
			For >50 To 100, Deduct	-30.30	
			For >100, Deduct	-43.32	
08 14 23 19-0112	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	554.60	84.78
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.20	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	207.92	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	288.78	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	462.05	
			For >50 To 100, Deduct	-31.97	
			For >100, Deduct	-45.83	

08 14 66 Wood Screen Doors (08 14)

08 14 66 00-0001 Wood Screen Storm Door, Residential Grade (08 14 66)

Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 14 66 00-0002	EA	2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	540.74	195.34
08 14 66 00-0003	EA	3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	570.88	217.04
08 14 66 00-0004	EA	2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	540.74	195.34
08 14 66 00-0005	EA	3' x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	570.88	217.04

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

UNIT COST

DEMOLITION

UNIT COST

08 14 73 Sliding Wood Doors (08 14)**08 14 73 00-0001 Sliding Pocket Door (08 14 73)**

Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.

08 14 73 00-0002 Birch Faced Pocket Door (08 14 73 00-0001)

Note: Includes door, frame and trim, and all mounting and door hardware.

08 14 73 00-0003 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002)

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0004 6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0003)

08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	528.48	47.48
		For Oak, Add	119.66	
		For Ash/Hickory, Add	174.28	
		For Walnut, Add	254.05	
		For Cherry, Add	413.16	
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	545.77	50.87
		For Oak, Add	122.56	
		For Ash/Hickory, Add	178.51	
		For Walnut, Add	260.21	
		For Cherry, Add	423.18	
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	565.66	54.26
		For Oak, Add	126.18	
		For Ash/Hickory, Add	183.79	
		For Walnut, Add	267.91	
		For Cherry, Add	435.69	
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	580.33	57.65
		For Oak, Add	128.36	
		For Ash/Hickory, Add	186.96	
		For Walnut, Add	272.53	
		For Cherry, Add	443.21	
08 14 73 00-0009	EA	2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	600.27	61.05
		For Oak, Add	131.98	
		For Ash/Hickory, Add	192.24	
		For Walnut, Add	280.23	
		For Cherry, Add	455.72	
08 14 73 00-0010	EA	3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	617.56	64.44
		For Oak, Add	134.89	
		For Ash/Hickory, Add	196.47	
		For Walnut, Add	286.39	
		For Cherry, Add	465.75	
08 14 73 00-0011	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,036.64	84.78
		For Oak, Add	239.31	
		For Ash/Hickory, Add	348.57	
		For Walnut, Add	508.11	
		For Cherry, Add	826.33	
08 14 73 00-0012	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,097.48	91.56
		For Oak, Add	252.37	
		For Ash/Hickory, Add	367.58	
		For Walnut, Add	535.82	
		For Cherry, Add	871.39	
08 14 73 00-0013	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,174.13	98.35
		For Oak, Add	269.77	
		For Ash/Hickory, Add	392.93	
		For Walnut, Add	572.77	
		For Cherry, Add	931.49	

08 14 73 00-0014 7' High, 1-3/8" Thick Birch Faced Wood Pocket Door (08 14 73 00-0003)

08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	620.44	47.48
		For Oak, Add	122.97	
		For Ash/Hickory, Add	122.97	
		For Walnut, Add	202.32	
		For Cherry, Add	379.94	
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	650.87	50.87
		For Oak, Add	128.50	
		For Ash/Hickory, Add	128.50	
		For Walnut, Add	211.42	
		For Cherry, Add	397.04	
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	673.39	54.26
		For Oak, Add	132.19	
		For Ash/Hickory, Add	132.19	
		For Walnut, Add	217.49	
		For Cherry, Add	408.43	
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	693.31	57.65
		For Oak, Add	135.26	
		For Ash/Hickory, Add	135.26	
		For Walnut, Add	222.55	
		For Cherry, Add	417.93	
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	710.63	61.05
		For Oak, Add	137.72	
		For Ash/Hickory, Add	137.72	
		For Walnut, Add	226.60	
		For Cherry, Add	425.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	733.16	64.44	
		For Oak, Add	141.41		
		For Ash/Hickory, Add	141.41		
		For Walnut, Add	232.66		
		For Cherry, Add	436.92		
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,220.56	84.78	
		For Oak, Add	245.93		
		For Ash/Hickory, Add	245.93		
		For Walnut, Add	404.64		
		For Cherry, Add	759.87		
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,312.93	91.56	
		For Oak, Add	264.38		
		For Ash/Hickory, Add	264.38		
		For Walnut, Add	434.98		
		For Cherry, Add	816.86		
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,405.35	98.35	
		For Oak, Add	282.82		
		For Ash/Hickory, Add	282.82		
		For Walnut, Add	465.33		
		For Cherry, Add	873.85		
08 14 73 00-0024		1-3/4" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002)			
		See CSI section 08 14 73 00-0055 for all jams and track hardware.			
08 14 73 00-0025		6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)			
08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	778.09	47.48	
		For Oak, Add	159.86		
		For Ash/Hickory, Add	159.86		
		For Walnut, Add	263.01		
		For Cherry, Add	493.92		
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	816.40	50.87	
		For Oak, Add	167.24		
		For Ash/Hickory, Add	167.24		
		For Walnut, Add	275.15		
		For Cherry, Add	516.71		
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	838.92	54.26	
		For Oak, Add	170.92		
		For Ash/Hickory, Add	170.92		
		For Walnut, Add	281.22		
		For Cherry, Add	528.11		
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	864.10	57.65	
		For Oak, Add	175.23		
		For Ash/Hickory, Add	175.23		
		For Walnut, Add	288.30		
		For Cherry, Add	541.41		
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	886.67	61.05	
		For Oak, Add	178.92		
		For Ash/Hickory, Add	178.92		
		For Walnut, Add	294.37		
		For Cherry, Add	552.81		
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	909.21	64.44	
		For Oak, Add	182.61		
		For Ash/Hickory, Add	182.61		
		For Walnut, Add	300.44		
		For Cherry, Add	564.21		
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,535.86	84.78	
		For Oak, Add	319.71		
		For Ash/Hickory, Add	319.71		
		For Walnut, Add	526.03		
		For Cherry, Add	987.83		
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,644.00	91.56	
		For Oak, Add	341.85		
		For Ash/Hickory, Add	341.85		
		For Walnut, Add	562.44		
		For Cherry, Add	1,056.22		
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,757.44	98.35	
		For Oak, Add	365.21		
		For Ash/Hickory, Add	365.21		
		For Walnut, Add	600.88		
		For Cherry, Add	1,128.42		
08 14 73 00-0035		7' High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)			
08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	830.64	47.48	
		For Oak, Add	172.15		
		For Ash/Hickory, Add	172.15		
		For Walnut, Add	283.24		
		For Cherry, Add	531.91		
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	874.20	50.87	
		For Oak, Add	180.76		
		For Ash/Hickory, Add	180.76		
		For Walnut, Add	297.40		
		For Cherry, Add	558.50		
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	899.36	54.26	
		For Oak, Add	185.07		
		For Ash/Hickory, Add	185.07		
		For Walnut, Add	304.49		
		For Cherry, Add	571.81		

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	924.53		57.65
		For Oak, Add	189.37		
		For Ash/Hickory, Add	189.37		
		For Walnut, Add	311.57		
		For Cherry, Add	585.10		
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	947.11		61.05
		For Oak, Add	193.06		
		For Ash/Hickory, Add	193.06		
		For Walnut, Add	317.64		
		For Cherry, Add	596.50		
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	972.27		64.44
		For Oak, Add	197.36		
		For Ash/Hickory, Add	197.36		
		For Walnut, Add	324.72		
		For Cherry, Add	609.80		
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,640.96		84.78
		For Oak, Add	344.31		
		For Ash/Hickory, Add	344.31		
		For Walnut, Add	566.49		
		For Cherry, Add	1,063.82		
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,764.87		91.56
		For Oak, Add	370.13		
		For Ash/Hickory, Add	370.13		
		For Walnut, Add	608.98		
		For Cherry, Add	1,143.61		
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,883.56		98.35
		For Oak, Add	394.73		
		For Ash/Hickory, Add	394.73		
		For Walnut, Add	649.44		
		For Cherry, Add	1,219.60		
08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door (08 14 73 00-0024)					
08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	883.19		47.48
		For Oak, Add	184.45		
		For Ash/Hickory, Add	184.45		
		For Walnut, Add	303.48		
		For Cherry, Add	569.90		
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	926.76		50.87
		For Oak, Add	193.06		
		For Ash/Hickory, Add	193.06		
		For Walnut, Add	317.64		
		For Cherry, Add	596.50		
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	954.54		54.26
		For Oak, Add	197.98		
		For Ash/Hickory, Add	197.98		
		For Walnut, Add	325.73		
		For Cherry, Add	611.70		
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	982.34		57.65
		For Oak, Add	202.90		
		For Ash/Hickory, Add	202.90		
		For Walnut, Add	333.83		
		For Cherry, Add	626.90		
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,004.91		61.05
		For Oak, Add	206.58		
		For Ash/Hickory, Add	206.58		
		For Walnut, Add	339.89		
		For Cherry, Add	638.29		
08 14 73 00-0051	EA	3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,032.70		64.44
		For Oak, Add	211.50		
		For Ash/Hickory, Add	211.50		
		For Walnut, Add	347.99		
		For Cherry, Add	653.49		
08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,746.06		84.78
		For Oak, Add	368.90		
		For Ash/Hickory, Add	368.90		
		For Walnut, Add	606.95		
		For Cherry, Add	1,139.81		
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,875.22		91.56
		For Oak, Add	395.95		
		For Ash/Hickory, Add	395.95		
		For Walnut, Add	651.46		
		For Cherry, Add	1,223.40		
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	2,004.42		98.35
		For Oak, Add	423.01		
		For Ash/Hickory, Add	423.01		
		For Walnut, Add	695.97		
		For Cherry, Add	1,306.98		
08 14 73 00-0055 Accessories (08 14 73 00-0001)					
08 14 73 00-0056 Jamb Replacement (08 14 73 00-0055)					
08 14 73 00-0057	EA	4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors.....	156.96		
		For Oak, Add	10.07		
		For Ash/Hickory, Add	15.78		
		For Walnut, Add	34.50		
		For Cherry, Add	54.64		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0058	EA		5-1/4" Birch Jamb Replacement For Pocket Doors	159.84	
			For Oak, Add	10.40	
			For Ash/Hickory, Add	16.29	
			For Walnut, Add	35.61	
			For Cherry, Add	56.41	
08 14 73 00-0059	EA		6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	178.53	
			For Oak, Add	12.51	
			For Ash/Hickory, Add	19.60	
			For Walnut, Add	42.84	
			For Cherry, Add	67.87	
08 14 73 00-0060			Track And Hardware Replacement Kits (08 14 73 00-0055)		
			Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA		Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	318.10	
08 14 73 00-0062	EA		2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	320.80	
08 14 73 00-0063	EA		3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	326.21	
08 14 73 00-0064	EA		Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	377.60	
08 14 73 00-0065	EA		2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	380.30	
08 14 73 00-0066	EA		3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	385.71	
08 14 73 00-0067	EA		Up To 2'-6" x 8' Door Track And Hardware	404.64	
08 14 73 00-0068	EA		2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	407.35	
08 14 73 00-0069	EA		3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	412.76	
08 14 73 00-0070	EA		Double Door Converging Kit For Pocket Door	47.39	
08 14 73 00-0071			Bi-Pass Doors (08 14 73)		
			Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 LB maximum door weight (each opening).		
08 14 73 00-0072			Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors (08 14 73 00-0071)		
08 14 73 00-0073	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	490.97	108.48
08 14 73 00-0074	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	538.77	115.26
08 14 73 00-0075	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	587.15	122.04
08 14 73 00-0076	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	800.24	128.82
08 14 73 00-0077			Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors (08 14 73 00-0071)		
08 14 73 00-0078	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	459.23	108.48
08 14 73 00-0079	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	489.28	115.26
08 14 73 00-0080	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	532.68	122.04
08 14 73 00-0081	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	736.76	128.82
08 14 73 00-0082			Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors (08 14 73 00-0071)		
08 14 73 00-0083	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	491.86	108.48
08 14 73 00-0084	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	536.57	115.26
08 14 73 00-0085	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	583.49	122.04
08 14 73 00-0086	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	802.02	128.82
08 14 76			Bifolding Wood Doors (08 14)		
08 14 76 00-0001			Bi-Fold Wood Doors (08 14 76)		
			Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.		
08 14 76 00-0002			Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0003	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	240.41	81.36
08 14 76 00-0004	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	253.97	88.14
08 14 76 00-0005	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	272.71	94.92
08 14 76 00-0006	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	286.27	101.70
08 14 76 00-0007	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	366.07	108.48
08 14 76 00-0008	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	379.62	115.26
08 14 76 00-0009	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	404.17	122.04
08 14 76 00-0010			Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0011	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	253.08	81.36
08 14 76 00-0012	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	270.80	88.14
08 14 76 00-0013	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	292.34	94.92
08 14 76 00-0014	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	305.90	101.70
08 14 76 00-0015	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	393.21	108.48
08 14 76 00-0016	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	421.93	115.26
08 14 76 00-0017	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	452.25	122.04
08 14 76 00-0018			Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)		
08 14 76 00-0019	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	253.67	81.36
08 14 76 00-0020	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	278.92	88.14
08 14 76 00-0021	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	299.83	94.92

08 Openings**08 10 Doors and Frames****08 14 Wood Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	313.39	101.70
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	399.76	108.48
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	415.94	115.26
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	452.25	122.04

08 14 76 00-0026 Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	630.45	81.36
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	719.58	88.14
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	820.97	94.92
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	834.53	101.70
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,152.43	108.48
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,317.13	115.26
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,506.34	122.04

08 14 76 00-0034 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	804.06	81.36
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	872.77	88.14
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	953.73	94.92
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	967.29	101.70
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,499.66	108.48
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,623.50	115.26
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,771.87	122.04

08 14 76 00-0042 Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors (08 14 76 00-0001)

08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	244.87	81.36
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	263.64	88.14
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	288.23	94.92
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	292.50	101.70
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	358.72	108.48
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	386.85	115.26
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	431.92	122.04

08 15 Plastic Doors (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 Composite Doors (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors (08 16 13)		
08 16 13 00-0002		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0001)		
08 16 13 00-0003		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0002)		
08 16 13 00-0004		Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)		
08 16 13 00-0005		6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)		
08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,571.21	81.39
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,812.11	84.78
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,178.83	91.56
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0009		7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0004)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0010	EA		3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,571.21 185.50 412.90	81.39
08 16 13 00-0011	EA		3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,907.34 185.50 412.90	84.78
08 16 13 00-0012	EA		4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,280.01 185.50 412.90	91.56
08 16 13 00-0013			Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003) Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0014			45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0015			6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)		
08 16 13 00-0016	EA		3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,237.82 185.50 412.90	81.39
08 16 13 00-0017	EA		3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,325.96 185.50 412.90	84.78
08 16 13 00-0018	EA		4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,932.73 185.50 412.90	91.56
08 16 13 00-0019			7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0014)		
08 16 13 00-0020	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,237.82 185.50 412.90	81.39
08 16 13 00-0021	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,635.45 185.50 412.90	84.78
08 16 13 00-0022	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	5,047.80 185.50 412.90	91.56
08 16 13 00-0023			60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0024			6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		
08 16 13 00-0025	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,237.82 185.50 412.90	81.39
08 16 13 00-0026	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,325.96 185.50 412.90	84.78
08 16 13 00-0027	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,932.73 185.50 412.90	91.56
08 16 13 00-0028			7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		
08 16 13 00-0029	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,237.82 185.50 412.90	81.39
08 16 13 00-0030	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,635.45 185.50 412.90	84.78
08 16 13 00-0031	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	5,047.80 185.50 412.90	91.56

08 Openings**08 10 Doors and Frames****08 16 Composite Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 16 13 00-0032		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-0033		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,237.82	81.39
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0035	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,325.96	84.78
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0036	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,932.73	91.56
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0037		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-0038	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,237.82	81.39
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0039	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,635.45	84.78
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0040	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	5,047.80	91.56
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0041		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0003)		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)		
08 16 13 00-0043	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,775.56	81.39
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0044		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0041)		
08 16 13 00-0045	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,775.56	81.39
		For Custom Color Finish, Add	185.50	
		For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0046		Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) (08 16 13 00-0002)		
08 16 13 00-0047	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.51	
08 16 13 00-0048	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.52	
08 16 13 00-0049	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.68	
08 16 13 00-0050	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.66	
08 16 13 00-0051	SI	Factory Installed Molded Louver (Chem-Pruf)	1.31	
08 16 13 00-0052	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	1.46	
08 16 13 00-0053	LF	Weather Strip (Chem-Pruf)	13.89	
08 16 13 00-0054	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....	17.86	
08 16 13 00-0055	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	37.70	
08 16 13 00-0056	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	41.66	
08 16 13 00-0057	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	81.34	
08 16 13 00-0058		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0001)		
08 16 13 00-0059		Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0058)		
		Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060		Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059)		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061		6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0060)		

			Openings	08	08
			Doors and Frames	08 10	
			Composite Doors	08 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0062	EA		3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,731.16	81.39
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0063	EA		3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,769.16	84.78
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0064	EA		4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,902.76	91.56
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0065			7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0060)		
08 16 13 00-0066	EA		3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,731.16	81.39
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0067	EA		3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,889.19	84.78
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0068	EA		4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,902.76	91.56
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0069			Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059)		
			Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070			45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0069)		
08 16 13 00-0071			6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0070)		
08 16 13 00-0072	EA		3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,531.61	81.39
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0073	EA		3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,624.82	84.78
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0074	EA		4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,844.84	91.56
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0075			7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0070)		
08 16 13 00-0076	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,531.61	81.39
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0077	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,658.43	84.78
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0078	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,948.07	91.56
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0079			60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0069)		
08 16 13 00-0080			6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0079)		
08 16 13 00-0081	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,531.61	81.39
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0082	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,624.82	84.78
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0083	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,844.84	91.56
			For Custom Color Finish, Add	185.50	
			For Stainless Steel Continuous Hinge, Add	412.90	
08 16 13 00-0084			7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0079)		

08 Openings**08 10 Doors and Frames****08 16 Composite Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,531.61		81.39
		For Custom Color Finish, Add	185.50		
		For Stainless Steel Continuous Hinge, Add	412.90		
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,658.43		84.78
		For Custom Color Finish, Add	185.50		
		For Stainless Steel Continuous Hinge, Add	412.90		
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,948.07		91.56
		For Custom Color Finish, Add	185.50		
		For Stainless Steel Continuous Hinge, Add	412.90		
08 16 13 00-0088		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0089)			
08 16 13 00-0089		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0090)			
08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,531.61		81.39
		For Custom Color Finish, Add	185.50		
		For Stainless Steel Continuous Hinge, Add	412.90		
08 16 13 00-0091	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,624.82		84.78
		For Custom Color Finish, Add	185.50		
		For Stainless Steel Continuous Hinge, Add	412.90		
08 16 13 00-0092	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,844.84		91.56
		For Custom Color Finish, Add	185.50		
		For Stainless Steel Continuous Hinge, Add	412.90		
08 16 13 00-0093		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0094)			
08 16 13 00-0094	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,531.61		81.39
		For Custom Color Finish, Add	185.50		
		For Stainless Steel Continuous Hinge, Add	412.90		
08 16 13 00-0095	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,658.43		84.78
		For Custom Color Finish, Add	185.50		
		For Stainless Steel Continuous Hinge, Add	412.90		
08 16 13 00-0096	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	4,948.07		91.56
		For Custom Color Finish, Add	185.50		
		For Stainless Steel Continuous Hinge, Add	412.90		
08 16 13 00-0097		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0099)			
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.			
08 16 13 00-0098		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0099)			
08 16 13 00-0099	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,091.25		81.39
		For Custom Color Finish, Add	185.50		
		For Stainless Steel Continuous Hinge, Add	412.90		
08 16 13 00-0100		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0101)			
08 16 13 00-0101	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	3,091.25		81.39
		For Custom Color Finish, Add	185.50		
		For Stainless Steel Continuous Hinge, Add	412.90		
08 16 13 00-0102		Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) (08 16 13 00-0103)			
08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door).....	1.13		
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door).....	1.17		
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door).....	1.23		
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door).....	1.77		
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door).....	0.70		
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door).....	1.12		
08 16 13 00-0109	LF	Weather Strip (Skule Door).....	9.60		
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door).....	12.00		
08 16 13 00-0111	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door).....	38.41		
08 16 13 00-0112	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door).....	136.83		
08 16 13 00-0113	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door).....	52.81		
08 16 13 00-0114		Galvanized Insulated Poly Core Composite Doors (08 16 13)			
08 16 13 00-0115	EA	3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N).....	1,409.41		81.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 17 Integrated Door Opening Assemblies (08 10)

08 17 23 Integrated Metal Door Opening Assemblies (08 17)

08 17 23 00-0001 Pre-Hung Interior Door Units (08 17 23)

Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset. See CSI section 08 70 00 00-0000 for finish hardware.

08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick (08 17 23 00-0001)

08 17 23 00-0003 Birch Faced (08 17 23 00-0002)

08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	414.97	84.78
		For 8' Door Height, Add	58.90	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	430.04	84.78
		For 8' Door Height, Add	62.52	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	451.92	88.17
		For 8' Door Height, Add	66.14	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	463.19	91.56
		For 8' Door Height, Add	67.21	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	490.54	91.56
		For 8' Door Height, Add	73.78	
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	517.01	94.96
		For 8' Door Height, Add	78.50	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	768.89	139.04
		For 8' Door Height, Add	117.79	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	819.41	149.22
		For 8' Door Height, Add	125.04	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	878.91	159.38
		For 8' Door Height, Add	134.43	

08 17 23 00-0013 Lauan Faced (08 17 23 00-0002)

08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	374.66	84.78
		For 8' Door Height, Add	49.22	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	388.57	84.78
		For 8' Door Height, Add	52.56	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	407.07	88.17
		For 8' Door Height, Add	55.38	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	422.15	91.56
		For 8' Door Height, Add	57.36	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	445.00	91.56
		For 8' Door Height, Add	62.85	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	479.67	94.96
		For 8' Door Height, Add	69.54	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	688.28	139.04
		For 8' Door Height, Add	98.45	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	736.38	149.22
		For 8' Door Height, Add	105.11	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	796.87	159.38
		For 8' Door Height, Add	114.74	

08 17 23 00-0023 Tempered Hardboard Faced (08 17 23 00-0002)

08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	336.77	84.78
		For 8' Door Height, Add	40.13	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	348.97	84.78
		For 8' Door Height, Add	43.06	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	361.53	88.17
		For 8' Door Height, Add	44.45	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	379.89	91.56
		For 8' Door Height, Add	47.22	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	401.52	91.56
		For 8' Door Height, Add	52.42	
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	413.35	94.96
		For 8' Door Height, Add	53.63	
08 17 23 00-0030	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	599.64	139.04
		For 8' Door Height, Add	77.17	
08 17 23 00-0031	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	657.21	149.22
		For 8' Door Height, Add	86.11	
08 17 23 00-0032	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	712.29	159.38
		For 8' Door Height, Add	94.45	

08 17 23 00-0033 Solid Core Doors, 1-3/8" Thick (08 17 23 00-0001)

08 17 23 00-0034 Birch Faced (08 17 23 00-0033)

08 17 23 00-0035	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	544.62	84.78
		For 8' Door Height, Add	90.01	
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	564.34	84.78
		For 8' Door Height, Add	94.75	
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	590.80	88.17
		For 8' Door Height, Add	99.47	
08 17 23 00-0038	EA	3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	621.60	91.56
		For 8' Door Height, Add	105.24	
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	669.75	91.56
		For 8' Door Height, Add	116.79	

08 Openings**08 10 Doors and Frames****08 17 Integrated Door Opening Assemblies**

		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 17 23 00-0040	EA	3'-6" x 7' x 1-3/8"	Prehung Solid Core, Birch Faced Door	719.07	94.96	
			For 8' Door Height, Add	127.00		
08 17 23 00-0041	EA	Pair 2' x 7' x 1-3/8"	Prehung Solid Core, Birch Faced Door	1,028.20	139.04	
			For 8' Door Height, Add	180.03		
08 17 23 00-0042	EA	Pair 2'-6" x 7' x 1-3/8"	Prehung Solid Core, Birch Faced Door	1,087.98	149.22	
			For 8' Door Height, Add	189.50		
08 17 23 00-0043	EA	Pair 3' x 7' x 1-3/8"	Prehung Solid Core, Birch Faced Door	1,195.71	159.38	
			For 8' Door Height, Add	210.47		
08 17 23 00-0044 Lauan Faced (08 17 23 00-0033)						
08 17 23 00-0045	EA	2'-0" Or 2'-4" x 7' x 1-3/8"	Prehung Solid Core, Lauan Faced Door	466.11	84.78	
			For 8' Door Height, Add	71.17		
08 17 23 00-0046	EA	2'-6" x 7' x 1-3/8"	Prehung Solid Core, Lauan Faced Door	482.41	84.78	
			For 8' Door Height, Add	75.08		
08 17 23 00-0047	EA	2'-8" x 7' x 1-3/8"	Prehung Solid Core, Lauan Faced Door	505.47	88.17	
			For 8' Door Height, Add	78.99		
08 17 23 00-0048	EA	3' x 7' x 1-3/8"	Prehung Solid Core, Lauan Faced Door	528.71	91.56	
			For 8' Door Height, Add	82.94		
08 17 23 00-0049	EA	3'-4" x 7' x 1-3/8"	Prehung Solid Core, Lauan Faced Door	566.72	91.56	
			For 8' Door Height, Add	92.06		
08 17 23 00-0050	EA	3'-6" x 7' x 1-3/8"	Prehung Solid Core, Lauan Faced Door	598.05	94.96	
			For 8' Door Height, Add	97.95		
08 17 23 00-0051	EA	Pair 2' x 7' x 1-3/8"	Prehung Solid Core, Lauan Faced Door	871.16	139.04	
			For 8' Door Height, Add	142.34		
08 17 23 00-0052	EA	Pair 2'-6" x 7' x 1-3/8"	Prehung Solid Core, Lauan Faced Door	924.13	149.22	
			For 8' Door Height, Add	150.17		
08 17 23 00-0053	EA	Pair 3' x 7' x 1-3/8"	Prehung Solid Core, Lauan Faced Door	1,009.93	159.38	
			For 8' Door Height, Add	165.88		
08 17 23 00-0054 Tempered Hardboard Faced (08 17 23 00-0033)						
08 17 23 00-0055	EA	2'-0" - 2'-4" x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door	449.44	84.78	
			For 8' Door Height, Add	67.17		
08 17 23 00-0056	EA	2'-6" x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door	465.65	84.78	
			For 8' Door Height, Add	71.06		
08 17 23 00-0057	EA	2'-8" x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door	488.69	88.17	
			For 8' Door Height, Add	74.96		
08 17 23 00-0058	EA	3' x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door	501.48	91.56	
			For 8' Door Height, Add	76.41		
08 17 23 00-0059	EA	3'-4" x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door	536.59	91.56	
			For 8' Door Height, Add	84.83		
08 17 23 00-0060	EA	3'-6" x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door	566.01	94.96	
			For 8' Door Height, Add	90.26		
08 17 23 00-0061	PR	Pair 2' x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door	837.84	139.04	
			For 8' Door Height, Add	134.34		
08 17 23 00-0062	PR	Pair 2'-6" x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door	890.58	149.22	
			For 8' Door Height, Add	142.12		
08 17 23 00-0063	PR	Pair 3' x 7' x 1-3/8"	Prehung Solid Core, Hardboard Faced Door	955.46	159.38	
			For 8' Door Height, Add	152.81		
08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick (08 17 23 00-0001)						
08 17 23 00-0065 Birch Faced (08 17 23 00-0064)						
08 17 23 00-0066	EA	2'-0" Or 2'-4" x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door	476.28	84.78	
			For 8' Door Height, Add	73.61		
08 17 23 00-0067	EA	2'-6" x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door	487.86	84.78	
			For 8' Door Height, Add	76.39		
08 17 23 00-0068	EA	2'-8" x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door	498.92	88.17	
			For 8' Door Height, Add	77.42		
08 17 23 00-0069	EA	3' x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door	524.57	91.56	
			For 8' Door Height, Add	81.95		
08 17 23 00-0070	EA	3'-4" x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door	574.66	91.56	
			For 8' Door Height, Add	93.97		
08 17 23 00-0071	EA	3'-6" x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door	639.97	94.96	
			For 8' Door Height, Add	108.01		
08 17 23 00-0072	EA	Pair 2' x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door	891.57	139.04	
			For 8' Door Height, Add	147.23		
08 17 23 00-0073	EA	Pair 2'-6" x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door	935.01	149.22	
			For 8' Door Height, Add	152.78		
08 17 23 00-0074	EA	Pair 3' x 7' x 1-3/4"	Prehung Hollow Core, Birch Faced Door	1,001.70	159.38	
			For 8' Door Height, Add	163.90		
08 17 23 00-0075 Lauan Faced (08 17 23 00-0064)						
08 17 23 00-0076	EA	2'-0" Or 2'-4" x 7' x 1-3/4"	Prehung Hollow Core, Lauan Faced Door	430.10	84.78	
			For 8' Door Height, Add	62.53		
08 17 23 00-0077	EA	2'-6" x 7' x 1-3/4"	Prehung Hollow Core, Lauan Faced Door	448.06	84.78	
			For 8' Door Height, Add	66.84		
08 17 23 00-0078	EA	2'-8" x 7' x 1-3/4"	Prehung Hollow Core, Lauan Faced Door	469.41	88.17	
			For 8' Door Height, Add	70.34		
08 17 23 00-0079	EA	3' x 7' x 1-3/4"	Prehung Hollow Core, Lauan Faced Door	481.96	91.56	
			For 8' Door Height, Add	71.72		
08 17 23 00-0080	EA	3'-4" x 7' x 1-3/4"	Prehung Hollow Core, Lauan Faced Door	514.81	91.56	
			For 8' Door Height, Add	79.61		
08 17 23 00-0081	EA	3'-6" x 7' x 1-3/4"	Prehung Hollow Core, Lauan Faced Door	542.82	94.96	
			For 8' Door Height, Add	84.70		

MINOR			TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
08 17 23 00-0082	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	799.18		139.04	
		For 8' Door Height, Add	125.06			
08 17 23 00-0083	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	855.41		149.22	
		For 8' Door Height, Add	133.68			
08 17 23 00-0084	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	916.46		159.38	
		For 8' Door Height, Add	143.44			
08 17 23 00-0085	Tempered Hardboard Faced (08 17 23 00-0064)					
08 17 23 00-0086	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	377.89		84.78	
		For 8' Door Height, Add	50.00			
08 17 23 00-0087	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	383.70		84.78	
		For 8' Door Height, Add	51.39			
08 17 23 00-0088	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	402.05		88.17	
		For 8' Door Height, Add	54.17			
08 17 23 00-0089	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	420.41		91.56	
		For 8' Door Height, Add	56.95			
08 17 23 00-0090	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	433.63		91.56	
		For 8' Door Height, Add	60.12			
08 17 23 00-0091	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	446.21		94.96	
		For 8' Door Height, Add	61.51			
08 17 23 00-0092	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	678.69		139.04	
		For 8' Door Height, Add	96.15			
08 17 23 00-0093	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	726.68		149.22	
		For 8' Door Height, Add	102.78			
08 17 23 00-0094	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	793.37		159.38	
		For 8' Door Height, Add	113.90			
08 17 23 00-0095	Solid Core Doors, 1-3/4" Thick (08 17 23 00-0001)					
08 17 23 00-0096	Birch Faced (08 17 23 00-0095)					
08 17 23 00-0097	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	602.05		84.78	
		For 8' Door Height, Add	103.80			
08 17 23 00-0098	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	620.06		84.78	
		For 8' Door Height, Add	108.12			
08 17 23 00-0099	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	632.86		88.17	
		For 8' Door Height, Add	109.56			
08 17 23 00-0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	657.65		91.56	
		For 8' Door Height, Add	113.89			
08 17 23 00-0101	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	709.85		91.56	
		For 8' Door Height, Add	126.42			
08 17 23 00-0102	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	769.34		94.96	
		For 8' Door Height, Add	139.07			
08 17 23 00-0103	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,143.06		139.04	
		For 8' Door Height, Add	207.60			
08 17 23 00-0104	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,199.40		149.22	
		For 8' Door Height, Add	216.24			
08 17 23 00-0105	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,267.83		159.38	
		For 8' Door Height, Add	227.77			
08 17 23 00-0106	Lauan Faced (08 17 23 00-0095)					
08 17 23 00-0107	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	573.20		84.78	
		For 8' Door Height, Add	96.87			
08 17 23 00-0108	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	574.38		84.78	
		For 8' Door Height, Add	97.16			
08 17 23 00-0109	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	592.79		88.17	
		For 8' Door Height, Add	99.95			
08 17 23 00-0110	EA	3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	607.99		91.56	
		For 8' Door Height, Add	101.97			
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	646.39		91.56	
		For 8' Door Height, Add	111.18			
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	682.81		94.96	
		For 8' Door Height, Add	118.30			
08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,085.39		139.04	
		For 8' Door Height, Add	193.75			
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,108.05		149.22	
		For 8' Door Height, Add	194.31			
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,168.51		159.38	
		For 8' Door Height, Add	203.94			
08 17 23 00-0116	Tempered Hardboard Faced (08 17 23 00-0095)					
08 17 23 00-0117	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	511.94		84.78	
		For 8' Door Height, Add	82.17			
08 17 23 00-0118	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	517.93		84.78	
		For 8' Door Height, Add	83.61			
08 17 23 00-0119	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	530.74		88.17	
		For 8' Door Height, Add	85.06			
08 17 23 00-0120	EA	3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	549.55		91.56	
		For 8' Door Height, Add	87.94			
08 17 23 00-0121	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	576.42		91.56	
		For 8' Door Height, Add	94.39			
08 17 23 00-0122	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	608.38		94.96	
		For 8' Door Height, Add	100.43			
08 17 23 00-0123	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	962.83		139.04	
		For 8' Door Height, Add	164.34			

08 Openings**08 10 Doors and Frames****08 17 Integrated Door Opening Assemblies**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 17 23 00-0124	EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	995.17 167.22		149.22
08 17 23 00-0125	EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door <i>For 8' Door Height, Add</i>	1,051.60 175.88		159.38
08 17 23 00-0126 Oak Or Maple Faced (08 17 23 00-0095)				
08 17 23 00-0127	EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	942.15 185.42		84.78
08 17 23 00-0128	EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	946.87 186.55		84.78
08 17 23 00-0129	EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	993.59 196.14		88.17
08 17 23 00-0130	EA 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,010.81 198.64		91.56
08 17 23 00-0131	EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,100.53 220.18		91.56
08 17 23 00-0132	EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,213.62 245.69		94.96
08 17 23 00-0133	EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,823.29 370.86		139.04
08 17 23 00-0134	EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,853.09 373.12		149.22
08 17 23 00-0135	EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door <i>For 8' Door Height, Add</i>	1,974.14 397.29		159.38
08 17 23 00-0136 Walnut Faced (08 17 23 00-0095)				
08 17 23 00-0137	EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,183.44 243.33		84.78
08 17 23 00-0138	EA 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,225.60 253.45		84.78
08 17 23 00-0139	EA 2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,246.51 256.84		88.17
08 17 23 00-0140	EA 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,295.51 266.97		91.56
08 17 23 00-0141	EA 3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,417.89 296.34		91.56
08 17 23 00-0142	EA 3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	1,548.24 326.00		94.96
08 17 23 00-0143	EA Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	2,305.85 486.66		139.04
08 17 23 00-0144	EA Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	2,410.49 506.90		149.22
08 17 23 00-0145	EA Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door <i>For 8' Door Height, Add</i>	2,543.55 533.94		159.38
08 18 Glass Doors (08 10)				
08 18 16 Sliding Glass Doors (08 18)				
08 18 16 00-0001 Sliding Aluminum-Framed Glass Doors (08 18 16)				
08 18 16 00-0002 Residential Sliding Aluminum-Framed Glass Doors (08 18 16 00-0001)				
08 18 16 00-0003 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)				
08 18 16 00-0004	SF Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	56.76 10.15 1.42 7.31		6.10
08 18 16 00-0005	SF >6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	48.23 9.70 1.42 6.99		3.80
08 18 16 00-0006 1" Insulating Glass, Sliding Aluminum-Framed Glass Doors (08 18 16 00-0002)				
08 18 16 00-0007	SF Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	64.04 11.97 1.42 8.62		6.10
08 18 16 00-0008	SF >6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware <i>For Custom Quality, Add</i> <i>For Tempered Glass, Add</i> <i>For Anodized Or Colored Aluminum Frames, Add</i>	55.40 11.50 1.42 8.28		3.80
08 18 16 00-0009 Stanley Manual Slide Doors (08 18 16 00-0001)				
08 18 16 00-0010	EA Single Slide, Dura Care 7000 Track/Trackless All Panel, Swing Out, Stanley Manual Slide Door Note: Patient bays, ICU room, ER, and patient consult applications. <i>For Special Finish, Add</i> <i>For Positive Latch, Add</i> <i>For Smoke And Draft UL1784, Add</i> <i>For Aluminum Transom, Add</i> <i>For Added Panel, Add</i>	3,928.25 1,240.50 620.25 516.88 723.62 1,343.88		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 18 16 00-0011	EA		Single Slide, Dura Care 7200 Track/Trackless Slide Panel, Swing Out, Stanley Manual Slide Door 3,928.25 Note: Patient bays, ICU room, ER, and patient consult applications. For Special Finish, Add 1,240.50 For Positive Latch, Add 620.25 For Smoke And Draft UL1784, Add 516.88 For Aluminum Transom, Add 723.62 For Added Panel, Add 1,343.88		
08 18 16 00-0012	EA		Single Slide, Dura Care 7200TL/FBO Trackless Lead Panel Slide Or All Panel Slide, Stanley Manual Slide Door 4,651.88 Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications. For Special Finish, Add 1,240.50 For Positive Latch, Add 620.25 For Smoke And Draft UL1784, Add 516.88 For Aluminum Transom, Add 723.62		
08 18 16 00-0013	EA		Single Slide, Dura Care 7300TL/FBO Trackless All Panel, Swing Out, Stanley Manual Slide Door 4,651.88 Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications. For Special Finish, Add 1,240.50 For Positive Latch, Add 620.25 For Smoke And Draft UL1784, Add 516.88 For Aluminum Transom, Add 723.62 For Self Closing, Add 1,033.75		
08 18 16 00-0014	EA		Single Slide, Dura Care 7500 Track/Trackless Lead Panel, Swing Out, Stanley Manual Slide Door 5,892.38 Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications. For Special Finish, Add 1,240.50 For Positive Latch, Add 620.25 For Smoke And Draft UL1784, Add 516.88 For Aluminum Transom, Add 723.62 For Added Panel, Add 1,343.88		
08 18 16 00-0015	EA		Single Slide, Dura Care 7500TL/FBO Trackless All Panel, Swing Out, Stanley Manual Slide Door 6,099.12 Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications. For Special Finish, Add 1,240.50 For Positive Latch, Add 620.25 For Smoke And Draft UL1784, Add 516.88 For Aluminum Transom, Add 723.62 For Added Panel, Add 1,343.88		
08 18 16 00-0016	EA		Single Slide, Dura Care 7400 Swing ICU Trackless, Stanley Manual Slide Door 4,962.00 Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications. For Special Finish, Add 1,137.12 For Positive Latch, Add 620.25 For Smoke And Draft UL1784, Add 361.81 For Aluminum Transom, Add 723.62		
08 18 16 00-0017	EA		Bi Part Slide, Dura Care 7000 Track/Trackless All Panel, Swing Out, Stanley Manual Slide Door 4,755.25 Note: Patient bays, ICU room, ER, and patient consult applications. For Special Finish, Add 2,274.25 For Positive Latch, Add 620.25 For Smoke And Draft UL1784, Add 516.88 For Aluminum Transom, Add 723.62 For Added Panel, Add 1,343.88		
08 18 16 00-0018	EA		Bi Part Slide, Dura Care 7200 Track/Trackless Slide Panel, Swing Out, Stanley Manual Slide Door 4,755.25 Note: Patient bays, ICU room, ER, and patient consult applications. For Special Finish, Add 2,274.25 For Positive Latch, Add 620.25 For Smoke And Draft UL1784, Add 516.88 For Aluminum Transom, Add 723.62 For Added Panel, Add 1,343.88		
08 18 16 00-0019	EA		Bi Part Slide, Dura Care 7500 Track/Trackless Lead Panel, Swing Out, Stanley Manual Slide Door 7,753.12 Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications. For Special Finish, Add 2,274.25 For Positive Latch, Add 620.25 For Smoke And Draft UL1784, Add 516.88 For Aluminum Transom, Add 723.62 For Added Panel, Add 1,343.88		
08 18 16 00-0020	EA		Bi Part Slide, Dura Care 7500TL/FBO Trackless All Panel, Swing Out, Stanley Manual Slide Door 8,063.25 Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications. For Special Finish, Add 2,274.25 For Positive Latch, Add 620.25 For Smoke And Draft UL1784, Add 516.88 For Aluminum Transom, Add 723.62 For Added Panel, Add 1,343.88		
08 18 16 00-0021	EA		Bi Part Slide, Dura Care 7400 Swing ICU Trackless, Stanley Manual Slide Door 6,616.00 Note: Patient bays, ICU room, ER, patient consult, smoke barriers, latching, and closing applications. For Positive Latch, Add 620.25 For Smoke And Draft UL1784, Add 361.81 For Aluminum Transom, Add 723.62		
08 18 16 00-0022	EA		Bi Part Slide, Dura Care 7600 Split Fold, Stanley Manual Door 7,360.30 Note: Patient bays, ICU room, ER, patient consult, latching, and closing applications. For Special Finish, Add 2,274.25 For Positive Latch, Add 2,481.00 For Smoke And Draft UL1784, Add 1,137.12 For Aluminum Transom, Add 723.62		
08 18 16 00-0023			Sliding Plastic-Framed Glass Doors (08 18 16)		
08 18 16 00-0024			Sliding Vinyl-Framed Glass Doors (08 18 16 00-0023)		
08 18 16 00-0025			Vinyl Sliding Glass Doors (Pella Vinyl 10 Series) (08 18 16 00-0024) Note: Includes white solid vinyl interior and exterior, standard hardware and tempered clear insulated glass. Excludes grilles and insect screens.		
08 18 16 00-0026	EA		5' x 6' 8", Vinyl Sliding Glass Door (Pella Vinyl 10 Series) 1,871.58 For Insect Screen, Add 291.92 For Grilles Between The Glass, Add 366.98 For Low-E Tempered Insulated Glass, Add 750.65		101.74

08 Openings**08 10 Doors and Frames****08 18 Glass Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 18 16 00-0027	EA	6' x 6' 8", Vinyl Sliding Glass Door (Pella Vinyl 10 Series).....	1,943.07	108.52
		<i>For Insect Screen, Add</i>	302.06	
		<i>For Grilles Between The Glass, Add</i>	379.73	
		<i>For Low-E Tempered Insulated Glass, Add</i>	776.71	

08 18 16 00-0028 Sliding Wood-Framed Glass Doors (08 18 16)**08 18 16 00-0029 Residential Wood Sliding Doors With 5/8" Glass (08 18 16 00-0028)**

08 18 16 00-0030	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	2,107.87	183.13
08 18 16 00-0031	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	2,573.36	223.82
08 18 16 00-0032	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	2,973.23	257.73
08 18 16 00-0033	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,310.51	183.13
08 18 16 00-0034	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,835.09	223.82
08 18 16 00-0035	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	3,297.14	257.73

08 18 16 00-0036 Wood Clad Sliding Glass Doors (08 18 16 00-0028)**08 18 16 00-0037 Wood Clad Sliding Glass Doors (Andersen 200 Series Perma-Shield) (08 18 16 00-0036)**

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and tempered clear insulated glass. Excludes grilles and insect screens.

08 18 16 00-0038	EA	5' x 6' 8", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield).....	1,794.55	101.74
		<i>For Insect Screen, Add</i>	159.11	
		<i>For Grilles Between The Glass, Add</i>	190.93	
		<i>For Low-E Tempered Insulated Glass, Add</i>	397.77	
08 18 16 00-0039	EA	6' x 6' 8", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield).....	2,013.20	108.52
		<i>For Insect Screen, Add</i>	179.62	
		<i>For Grilles Between The Glass, Add</i>	215.54	
		<i>For Low-E Tempered Insulated Glass, Add</i>	449.04	
08 18 16 00-0040	EA	6' x 6' 10", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield).....	2,127.81	111.90
		<i>For Insect Screen, Add</i>	190.40	
		<i>For Grilles Between The Glass, Add</i>	228.48	
		<i>For Low-E Tempered Insulated Glass, Add</i>	476.00	
08 18 16 00-0041	EA	8' x 6' 10", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield).....	2,595.16	125.47
		<i>For Insect Screen, Add</i>	234.42	
		<i>For Grilles Between The Glass, Add</i>	281.31	
		<i>For Low-E Tempered Insulated Glass, Add</i>	586.05	
08 18 16 00-0042	EA	6' x 8', Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,519.57	118.69
		<i>For Insect Screen, Add</i>	228.22	
		<i>For Grilles Between The Glass, Add</i>	273.86	
		<i>For Low-E Tempered Insulated Glass, Add</i>	570.55	
08 18 16 00-0043	EA	8' x 8', Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,959.97	132.26
		<i>For Insect Screen, Add</i>	269.55	
		<i>For Grilles Between The Glass, Add</i>	323.46	
		<i>For Low-E Tempered Insulated Glass, Add</i>	673.87	

08 18 16 00-0044 Wood Clad Sliding Glass Doors (Andersen 400 Series Frenchwood) (08 18 16 00-0036)

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and tempered Low-E insulated glass. Excludes grilles and insect screens.

08 18 16 00-0045	EA	5' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	3,328.68	101.74
		<i>For Insect Screen, Add</i>	312.52	
		<i>For Grilles Between The Glass, Add</i>	375.03	
		<i>For Low-E Tempered Insulated Glass, Add</i>	781.30	
08 18 16 00-0046	EA	6' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	3,700.30	108.52
		<i>For Insect Screen, Add</i>	348.33	
		<i>For Grilles Between The Glass, Add</i>	417.99	
		<i>For Low-E Tempered Insulated Glass, Add</i>	870.82	
08 18 16 00-0047	EA	8' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	4,441.31	122.08
		<i>For Insect Screen, Add</i>	419.72	
		<i>For Grilles Between The Glass, Add</i>	503.66	
		<i>For Low-E Tempered Insulated Glass, Add</i>	1,049.29	
08 18 16 00-0048	EA	5' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	3,485.75	105.13
		<i>For Insect Screen, Add</i>	327.55	
		<i>For Grilles Between The Glass, Add</i>	393.06	
		<i>For Low-E Tempered Insulated Glass, Add</i>	818.88	
08 18 16 00-0049	EA	6' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	3,813.78	111.90
		<i>For Insect Screen, Add</i>	359.00	
		<i>For Grilles Between The Glass, Add</i>	430.80	
		<i>For Low-E Tempered Insulated Glass, Add</i>	897.49	
08 18 16 00-0050	EA	8' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	4,602.27	125.47
		<i>For Insect Screen, Add</i>	435.13	
		<i>For Grilles Between The Glass, Add</i>	522.16	
		<i>For Low-E Tempered Insulated Glass, Add</i>	1,087.83	
08 18 16 00-0051	EA	5' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	4,195.52	111.90
		<i>For Insect Screen, Add</i>	397.17	
		<i>For Grilles Between The Glass, Add</i>	476.60	
		<i>For Low-E Tempered Insulated Glass, Add</i>	992.93	
08 18 16 00-0052	EA	6' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	4,567.14	118.69
		<i>For Insect Screen, Add</i>	432.98	
		<i>For Grilles Between The Glass, Add</i>	519.57	
		<i>For Low-E Tempered Insulated Glass, Add</i>	1,082.44	
08 18 16 00-0053	EA	8' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	5,305.94	132.26
		<i>For Insect Screen, Add</i>	504.14	
		<i>For Grilles Between The Glass, Add</i>	604.97	
		<i>For Low-E Tempered Insulated Glass, Add</i>	1,260.36	

		Openings	08
		Specialty Doors and Frames	08 30
		Glass Doors	08 18
MINOR		TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION		UNIT COST	UNIT COST

08 30 Specialty Doors and Frames (08)

Note: Includes caulk, sealant and mounting anchors.

08 31 Access Doors and Panels (08 30)

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors and Frames (08 31)

08 31 13 00-0001	Stainless Steel Access Doors (08 31 13)		
08 31 13 00-0002	Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0003	EA 12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	474.41	67.85
08 31 13 00-0004	EA 12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	551.32	72.28
08 31 13 00-0005	EA 18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	642.84	76.45
08 31 13 00-0006	EA 24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	741.11	80.33
08 31 13 00-0007	EA 24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	757.99	80.74
08 31 13 00-0008	EA 24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	980.25	83.25
08 31 13 00-0009	Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0010	EA 8" x 8" Stainless Steel Access Door With Cam Latch	194.80	52.03
08 31 13 00-0011	EA 12" x 12" Stainless Steel Access Door With Cam Latch	231.73	67.85
08 31 13 00-0012	EA 12" x 18" Stainless Steel Access Door With Cam Latch	326.62	72.28
08 31 13 00-0013	EA 18" x 18" Stainless Steel Access Door With Cam Latch	350.44	76.45
08 31 13 00-0014	EA 24" x 18" Stainless Steel Access Door With Cam Latch	405.67	80.33
08 31 13 00-0015	EA 24" x 24" Stainless Steel Access Door With Cam Latch	460.85	80.74
08 31 13 00-0016	Steel Access Doors (08 31 13)		
08 31 13 00-0017	Insulated Fire Rated Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0018	EA 12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	319.73	68.26
08 31 13 00-0019	EA 12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	395.60	72.28
08 31 13 00-0020	EA 18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	395.44	76.45
08 31 13 00-0021	EA 24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	469.45	80.74
08 31 13 00-0022	EA 24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	490.63	80.74
08 31 13 00-0023	EA 24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	646.48	83.25
08 31 13 00-0024	EA 24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	745.19	86.71
08 31 13 00-0025	EA 36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	920.47	86.71
08 31 13 00-0026	EA 48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	1,180.98	104.05
08 31 13 00-0027	Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0028	EA 8" x 8" Steel Access Door With Cam Latch	164.50	52.30
08 31 13 00-0029	EA 12" x 12" Steel Access Door With Cam Latch	176.19	68.26
08 31 13 00-0030	EA 12" x 18" Steel Access Door With Cam Latch	202.67	72.28
08 31 13 00-0031	EA 18" x 18" Steel Access Door With Cam Latch	208.39	76.45
08 31 13 00-0032	EA 24" x 18" Steel Access Door With Cam Latch	247.12	80.74
08 31 13 00-0033	EA 24" x 24" Steel Access Door With Cam Latch	252.95	80.74
08 31 13 00-0034	EA 24" x 36" Steel Access Door With Cam Latch	327.65	83.25
08 31 13 00-0035	EA 36" x 36" Steel Access Door With Cam Latch	432.06	86.71
08 31 13 00-0036	Fiberglass Reinforced Polyester (FRP) Access Doors (08 31 13)		
08 31 13 00-0037	EA 8" x 8" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	205.93	52.03
08 31 13 00-0038	EA 12" x 12" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	227.92	55.49
08 31 13 00-0039	EA 12" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	281.31	58.96
08 31 13 00-0040	EA 18" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	334.50	62.43
08 31 13 00-0041	EA 24" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	391.31	65.62
08 31 13 00-0042	EA 24" x 24" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	419.68	65.90
08 31 13 00-0043	Steel Recessed Access Doors For Drywall Application (08 31 13)		
08 31 13 00-0044	EA 8" x 8" Recessed Steel Access Door With Cam Latch	234.63	52.03
	For Recessed Doors In Acoustical Tile, Add	22.03	
08 31 13 00-0045	EA 12" x 12" Recessed Steel Access Door With Cam Latch	245.60	55.77
	For Recessed Doors In Acoustical Tile, Add	24.48	
08 31 13 00-0046	EA 12" x 18" Recessed Steel Access Door With Cam Latch	263.93	58.96
	For Recessed Doors In Acoustical Tile, Add	25.29	
08 31 13 00-0047	EA 18" x 18" Recessed Steel Access Door With Cam Latch	309.56	62.43
	For Recessed Doors In Acoustical Tile, Add	22.24	
08 31 13 00-0048	EA 24" x 18" Recessed Steel Access Door With Cam Latch	325.72	65.90
	For Recessed Doors In Acoustical Tile, Add	23.65	
08 31 13 00-0049	EA 24" x 24" Recessed Steel Access Door With Cam Latch	356.52	65.90
	For Recessed Doors In Acoustical Tile, Add	19.03	
08 31 13 00-0050	EA 24" x 36" Recessed Steel Access Door With Cam Latch	444.11	83.25
	For Recessed Doors In Acoustical Tile, Add	24.95	
08 31 13 00-0051	EA 36" x 36" Recessed Steel Access Door With Cam Latch	633.96	86.71
	For Recessed Doors In Acoustical Tile, Add	0.29	
08 31 13 00-0052	Steel Crawl Space Doors And Frames (08 31 13)		
08 31 13 00-0053	EA 24" x 24" Steel Crawl Space Door With Cam Latch	269.96	87.82

08 Openings
08 30 Specialty Doors and Frames
08 31 Access Doors and Panels

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 31 13 00-0054	EA	30" x 24" Steel Crawl Space Door With Cam Latch	379.18	106.42
08 31 13 00-0055	EA	30" x 30" Steel Crawl Space Door With Cam Latch	424.93	115.57

08 33 Coiling Doors and Grilles (08 30)

08 33 13 Coiling Counter Doors (08 33)

08 33 13 00-0001 Overhead Rolling Counter Doors (08 33 13)

08 33 13 00-0002 Galvanized Steel Overhead Rolling Counter Doors (08 33 13 00-0001)

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,474.64	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,615.81	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,885.30	486.78
		For Motor Operator (With Safety Reverse), Add	770.31	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,247.94	572.68
		For Motor Operator (With Safety Reverse), Add	792.46	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,109.90	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,343.02	509.00
		For Motor Operator (With Safety Reverse), Add	777.26	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,464.52	529.39
		For Motor Operator (With Safety Reverse), Add	782.35	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,749.16	572.68
		For Motor Operator (With Safety Reverse), Add	793.17	

08 33 13 00-0011 Stainless Steel Overhead Rolling Counter Doors (08 33 13 00-0001)

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,172.31	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,755.15	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,918.86	486.78
		For Motor Operator (With Safety Reverse), Add	770.31	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	7,200.05	572.68
		For Motor Operator (With Safety Reverse), Add	792.46	
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,126.05	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,359.28	509.00
		For Motor Operator (With Safety Reverse), Add	777.26	
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,516.16	529.39
		For Motor Operator (With Safety Reverse), Add	782.35	
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	8,213.92	572.68
		For Motor Operator (With Safety Reverse), Add	793.17	

08 33 13 00-0020 Aluminum Overhead Rolling Counter Doors (08 33 13 00-0001)

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,748.43	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,943.19	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,487.83	486.78
		For Motor Operator (With Safety Reverse), Add	770.31	
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,488.34	572.68
		For Motor Operator (With Safety Reverse), Add	792.46	
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,624.85	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,898.17	509.00
		For Motor Operator (With Safety Reverse), Add	777.26	
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,070.81	529.39
		For Motor Operator (With Safety Reverse), Add	782.35	
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	7,566.65	572.68
		For Motor Operator (With Safety Reverse), Add	793.17	

08 33 13 00-0029 Galvanized Steel Overhead Rolling Counter Fire Doors (08 33 13 00-0001)

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,321.65	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,533.40	458.15
		For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,873.48	486.78
		For Motor Operator (With Safety Reverse), Add	770.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0033	EA		10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	5,306.70	572.68
			For Motor Operator (With Safety Reverse), Add	792.46	
08 33 13 00-0034	EA		4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	4,745.15	458.15
			For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0035	EA		6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	5,013.57	509.00
			For Motor Operator (With Safety Reverse), Add	777.26	
08 33 13 00-0036	EA		8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	5,205.65	529.39
			For Motor Operator (With Safety Reverse), Add	782.35	
08 33 13 00-0037	EA		10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640).....	5,384.41	572.68
			For Motor Operator (With Safety Reverse), Add	793.17	
08 33 13 00-0038			Stainless Steel Overhead Rolling Counter Fire Doors (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0039	EA		4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	6,655.91	458.15
			For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0040	EA		6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	7,503.69	458.15
			For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0041	EA		8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	7,667.40	486.78
			For Motor Operator (With Safety Reverse), Add	770.31	
08 33 13 00-0042	EA		10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	9,372.48	572.68
			For Motor Operator (With Safety Reverse), Add	792.46	
08 33 13 00-0043	EA		4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	7,185.77	458.15
			For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0044	EA		6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	7,471.98	509.00
			For Motor Operator (With Safety Reverse), Add	777.26	
08 33 13 00-0045	EA		8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	7,734.84	529.39
			For Motor Operator (With Safety Reverse), Add	782.35	
08 33 13 00-0046	EA		10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641).....	9,485.58	572.68
			For Motor Operator (With Safety Reverse), Add	793.17	
08 33 13 00-0047			Integral Frame And Sill, Overhead Rolling Counter Doors (08 33 13)		
08 33 13 00-0048			Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill (08 33 13 00-0047) Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0049	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	8,741.01	458.15
			For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0050	EA		6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	8,935.77	458.15
			For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0051	EA		8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	20,970.69	486.78
			For Motor Operator (With Safety Reverse), Add	770.31	
08 33 13 00-0052	EA		10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,604.50	572.68
			For Motor Operator (With Safety Reverse), Add	792.46	
08 33 13 00-0053	EA		4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,033.15	458.15
			For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0054	EA		6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,355.16	509.00
			For Motor Operator (With Safety Reverse), Add	777.26	
08 33 13 00-0055	EA		8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,600.83	529.39
			For Motor Operator (With Safety Reverse), Add	782.35	
08 33 13 00-0056	EA		10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	10,682.81	572.68
			For Motor Operator (With Safety Reverse), Add	793.17	
08 33 13 00-0057			Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill (08 33 13 00-0047) Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0058	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	7,767.21	458.15
			For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0059	EA		6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	7,961.97	458.15
			For Motor Operator (With Safety Reverse), Add	764.54	
08 33 13 00-0060	EA		8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,214.47	486.78
			For Motor Operator (With Safety Reverse), Add	770.31	
08 33 13 00-0061	EA		10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,630.70	572.68
			For Motor Operator (With Safety Reverse), Add	792.46	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,643.63	458.15
		<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,965.64	509.00
		<i>For Motor Operator (With Safety Reverse), Add</i>	777.26	
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,308.69	529.39
		<i>For Motor Operator (With Safety Reverse), Add</i>	782.35	
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,611.63	572.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	793.17	

08 33 13 00-0066 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill

(08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	12,802.29	458.15
		<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	13,862.01	458.15
		<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	16,039.19	486.78
		<i>For Motor Operator (With Safety Reverse), Add</i>	770.31	
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,320.38	572.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	792.46	
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	14,391.87	458.15
		<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	15,578.84	509.00
		<i>For Motor Operator (With Safety Reverse), Add</i>	777.26	
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,219.33	529.39
		<i>For Motor Operator (With Safety Reverse), Add</i>	782.35	
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	19,446.95	572.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	793.17	

08 33 13 00-0075 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill

(08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	7,639.10	458.15
		<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	7,780.27	458.15
		<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	8,120.34	486.78
		<i>For Motor Operator (With Safety Reverse), Add</i>	770.31	
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	8,835.90	572.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	792.46	
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	8,062.60	458.15
		<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	8,613.36	509.00
		<i>For Motor Operator (With Safety Reverse), Add</i>	777.26	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	9,087.77	529.39
		<i>For Motor Operator (With Safety Reverse), Add</i>	782.35	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	10,607.63	572.68
		<i>For Motor Operator (With Safety Reverse), Add</i>	793.17	

08 33 13 00-0084 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood

(08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	15,451.59	458.15
		<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	15,981.45	458.15
		<i>For Motor Operator (With Safety Reverse), Add</i>	764.54	

			Openings	08	08
			Specialty Doors and Frames	08 30	
			Coiling Doors and Grilles	08 33	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 33 13 00-0087	EA		8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) <i>For Motor Operator (With Safety Reverse), Add</i>	18,158.63 770.31	486.78
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08 33 13 00-0088 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood (08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0089	EA		4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,203.77 764.54	458.15
08 33 13 00-0090	EA		6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,027.13 764.54	458.15
08 33 13 00-0091	EA		8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)..... <i>For Motor Operator (With Safety Reverse), Add</i>	12,496.55 770.31	486.78

08 33 13 00-0092 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood (08 33 13 00-0047)

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0093	EA		4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,215.59 764.54	458.15
08 33 13 00-0094	EA		6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,062.60 764.54	458.15
08 33 13 00-0095	EA		8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,614.43 770.31	486.78
08 33 13 00-0096	EA		10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,541.74 792.46	572.68

08 33 16 Coiling Counter Grilles (08 33)

08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) (08 33 16)

08 33 16 00-0002	EA		4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	1,538.64 144.89 184.05	200.44
08 33 16 00-0003	EA		6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	1,733.25 159.48 249.68	234.80
08 33 16 00-0004	EA		8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	1,925.31 174.26 315.32	267.22
08 33 16 00-0005	EA		10' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,145.88 193.03 380.96	303.52
08 33 16 00-0006	EA		12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,366.65 211.80 446.58	337.88
08 33 16 00-0007	EA		14' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,667.03 242.42 517.73	366.51
08 33 16 00-0008	EA		16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,965.71 273.05 588.88	400.87
08 33 16 00-0009	EA		18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,360.02 303.68 588.88	458.15
08 33 16 00-0010	EA		20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,775.89 337.31 731.17	534.31
08 33 16 00-0011	EA		24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,676.74 426.18 756.07	641.40
08 33 16 00-0012	EA		30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,796.57 525.88 867.88	801.76
08 33 16 00-0013	EA		4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	1,590.37 152.65 213.83	200.44
08 33 16 00-0014	EA		6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	1,805.23 170.28 290.81	234.80
08 33 16 00-0015	EA		8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	1,935.54 175.79 367.80	267.33
08 33 16 00-0016	EA		10' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... <i>For Lexan Lattice Pattern, Add</i> <i>For Staggered Brick Pattern, Add</i>	2,141.61 192.39 444.77	303.52

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 33 16 00-0017	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,349.58		337.88
		For Lexan Lattice Pattern, Add	208.98		
		For Staggered Brick Pattern, Add	521.75		
08 33 16 00-0018	EA	14' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,673.63		366.51
		For Lexan Lattice Pattern, Add	243.41		
		For Staggered Brick Pattern, Add	620.00		
08 33 16 00-0019	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,997.68		400.87
		For Lexan Lattice Pattern, Add	277.85		
		For Staggered Brick Pattern, Add	718.25		
08 33 16 00-0020	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,417.36		458.15
		For Lexan Lattice Pattern, Add	312.28		
		For Staggered Brick Pattern, Add	718.25		
08 33 16 00-0021	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,834.50		534.31
		For Lexan Lattice Pattern, Add	346.71		
		For Staggered Brick Pattern, Add	914.76		
08 33 16 00-0022	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,809.33		641.40
		For Lexan Lattice Pattern, Add	446.07		
		For Staggered Brick Pattern, Add	1,054.53		
08 33 16 00-0023	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,879.12		801.76
		For Lexan Lattice Pattern, Add	538.26		
		For Staggered Brick Pattern, Add	1,182.20		
08 33 16 00-0024 Aluminum Overhead Coiling Counter Grilles (Width x Height) (08 33 16)					
08 33 16 00-0025	EA	4' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	1,644.49		200.44
		For Lexan Lattice Pattern, Add	160.77		
		For Staggered Brick Pattern, Add	184.05		
08 33 16 00-0026	EA	6' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	1,878.92		234.80
		For Lexan Lattice Pattern, Add	181.33		
		For Staggered Brick Pattern, Add	249.68		
08 33 16 00-0027	EA	8' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	2,110.81		267.22
		For Lexan Lattice Pattern, Add	202.08		
		For Staggered Brick Pattern, Add	315.32		
08 33 16 00-0028	EA	10' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	2,371.20		303.52
		For Lexan Lattice Pattern, Add	226.83		
		For Staggered Brick Pattern, Add	380.96		
08 33 16 00-0029	EA	12' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	2,633.49		337.88
		For Lexan Lattice Pattern, Add	251.57		
		For Staggered Brick Pattern, Add	446.58		
08 33 16 00-0030	EA	14' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	2,998.18		366.51
		For Lexan Lattice Pattern, Add	292.10		
		For Staggered Brick Pattern, Add	517.73		
08 33 16 00-0031	EA	16' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	3,362.89		400.87
		For Lexan Lattice Pattern, Add	332.63		
		For Staggered Brick Pattern, Add	588.88		
08 33 16 00-0032	EA	18' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	3,823.23		458.15
		For Lexan Lattice Pattern, Add	373.16		
		For Staggered Brick Pattern, Add	588.88		
08 33 16 00-0033	EA	20' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	4,285.09		534.31
		For Lexan Lattice Pattern, Add	413.69		
		For Staggered Brick Pattern, Add	731.17		
08 33 16 00-0034	EA	24' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	5,311.83		641.40
		For Lexan Lattice Pattern, Add	521.45		
		For Staggered Brick Pattern, Add	756.07		
08 33 16 00-0035	EA	30' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	6,539.92		801.76
		For Lexan Lattice Pattern, Add	637.38		
		For Staggered Brick Pattern, Add	867.88		
08 33 16 00-0036	EA	4' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	1,749.12		200.44
		For Lexan Lattice Pattern, Add	176.47		
		For Staggered Brick Pattern, Add	213.83		
08 33 16 00-0037	EA	6' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	2,043.36		234.80
		For Lexan Lattice Pattern, Add	206.00		
		For Staggered Brick Pattern, Add	290.81		
08 33 16 00-0038	EA	8' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	2,253.02		267.33
		For Lexan Lattice Pattern, Add	223.42		
		For Staggered Brick Pattern, Add	367.80		
08 33 16 00-0039	EA	10' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	2,538.50		303.52
		For Lexan Lattice Pattern, Add	251.92		
		For Staggered Brick Pattern, Add	444.77		
08 33 16 00-0040	EA	12' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	2,825.90		337.88
		For Lexan Lattice Pattern, Add	280.43		
		For Staggered Brick Pattern, Add	521.75		
08 33 16 00-0041	EA	14' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	3,229.34		366.51
		For Lexan Lattice Pattern, Add	326.77		
		For Staggered Brick Pattern, Add	620.00		
08 33 16 00-0042	EA	16' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	3,632.78		400.87
		For Lexan Lattice Pattern, Add	373.11		
		For Staggered Brick Pattern, Add	718.25		
08 33 16 00-0043	EA	18' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	4,131.84		458.15
		For Lexan Lattice Pattern, Add	419.45		
		For Staggered Brick Pattern, Add	718.25		
08 33 16 00-0044	EA	20' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	4,628.37		534.31
		For Lexan Lattice Pattern, Add	465.79		
		For Staggered Brick Pattern, Add	914.76		
08 33 16 00-0045	EA	24' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	5,761.96		641.40
		For Lexan Lattice Pattern, Add	588.97		
		For Staggered Brick Pattern, Add	1,054.53		
08 33 16 00-0046	EA	30' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift.....	6,988.23		801.76
		For Lexan Lattice Pattern, Add	704.63		
		For Staggered Brick Pattern, Add	1,182.20		

Openings			08
Specialty Doors and Frames			08 30
Coiling Doors and Grilles			08 33
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

08 33 23 Overhead Coiling Doors (08 33)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0051 for scissor lifts, 01 22 23 00-0997 for forklift.

08 33 23 11 Overhead Coiling Doors (08 33 23)

Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23 11)

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,581.00	676.32
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,692.03	716.10
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,688.35	716.10
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,804.16	755.89
08 33 23 11-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,835.48	775.81
08 33 23 11-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,990.68	835.46
08 33 23 11-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,120.22	875.24
08 33 23 11-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,083.92	875.24
08 33 23 11-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,150.01	895.13
08 33 23 11-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,227.77	915.02
08 33 23 11-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,380.80	954.81
08 33 23 11-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,222.71	915.02
08 33 23 11-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,356.63	954.81
08 33 23 11-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,508.68	994.59
08 33 23 11-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,625.71	1,034.38

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,747.82	1,006.52
		For 3/4" Insulated Slats, Add	1,552.72	
08 33 23 11-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,853.60	1,029.40
		For 3/4" Insulated Slats, Add	1,603.41	
08 33 23 11-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,166.66	1,098.03
		For 3/4" Insulated Slats, Add	1,752.46	
08 33 23 11-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,441.09	1,143.77
		For 3/4" Insulated Slats, Add	1,901.10	
08 33 23 11-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,006.75	1,052.27
		For 3/4" Insulated Slats, Add	1,689.72	
08 33 23 11-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,326.49	1,143.77
		For 3/4" Insulated Slats, Add	1,815.15	
08 33 23 11-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,554.74	1,189.53
		For 3/4" Insulated Slats, Add	1,929.15	
08 33 23 11-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,843.33	1,235.28
		For 3/4" Insulated Slats, Add	2,088.40	
08 33 23 11-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,277.40	1,098.03
		For 3/4" Insulated Slats, Add	1,835.52	
08 33 23 11-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,527.33	1,143.77
		For 3/4" Insulated Slats, Add	1,965.78	
08 33 23 11-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,868.79	1,235.28
		For 3/4" Insulated Slats, Add	2,107.49	
08 33 23 11-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,236.23	1,275.06
		For 3/4" Insulated Slats, Add	2,333.34	
08 33 23 11-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,365.38	1,354.63
		For 3/4" Insulated Slats, Add	2,330.75	
08 33 23 11-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,854.28	1,434.20
		For 3/4" Insulated Slats, Add	2,597.97	
08 33 23 11-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,363.18	1,513.77
		For 3/4" Insulated Slats, Add	2,880.18	

08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,306.49	905.87
		For 3/4" Insulated Slats, Add	1,347.53	
08 33 23 11-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,556.69	956.20
		For 3/4" Insulated Slats, Add	1,472.22	
08 33 23 11-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,734.97	995.99
		For 3/4" Insulated Slats, Add	1,556.20	
08 33 23 11-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,775.71	1,056.85
		For 3/4" Insulated Slats, Add	1,510.67	
08 33 23 11-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,143.19	1,157.51
		For 3/4" Insulated Slats, Add	1,660.47	
08 33 23 11-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,375.47	1,197.30
		For 3/4" Insulated Slats, Add	1,784.95	
08 33 23 11-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,925.05	1,237.08
		For 3/4" Insulated Slats, Add	2,147.40	
08 33 23 11-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,514.41	1,296.75
		For 3/4" Insulated Slats, Add	2,514.83	
08 33 23 11-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,102.61	1,132.33
		For 3/4" Insulated Slats, Add	1,661.56	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 11-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,437.42	1,207.83
		<i>For 3/4" Insulated Slats, Add</i>	1,818.28	
08 33 23 11-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,705.37	1,258.16
		<i>For 3/4" Insulated Slats, Add</i>	1,956.28	
08 33 23 11-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,233.92	1,297.95
		<i>For 3/4" Insulated Slats, Add</i>	2,302.97	
08 33 23 11-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,802.23	1,357.62
		<i>For 3/4" Insulated Slats, Add</i>	2,654.60	
08 33 23 11-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,838.39	1,308.48
		<i>For 3/4" Insulated Slats, Add</i>	1,993.19	
08 33 23 11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,186.79	1,358.81
		<i>For 3/4" Insulated Slats, Add</i>	2,191.54	
08 33 23 11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,815.82	1,438.38
		<i>For 3/4" Insulated Slats, Add</i>	2,563.85	
08 33 23 11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,524.41	1,557.73
		<i>For 3/4" Insulated Slats, Add</i>	2,946.10	
08 33 23 11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,255.99	1,716.87
		<i>For 3/4" Insulated Slats, Add</i>	3,295.87	
08 33 23 11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,067.16	1,915.78
		<i>For 3/4" Insulated Slats, Add</i>	3,655.60	
08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,957.89	2,154.48
		<i>For 3/4" Insulated Slats, Add</i>	4,025.27	
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,926.43	2,432.97
		<i>For 3/4" Insulated Slats, Add</i>	4,403.57	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,203.40	1,358.81
		<i>For 3/4" Insulated Slats, Add</i>	2,203.99	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,547.81	1,402.57
		<i>For 3/4" Insulated Slats, Add</i>	2,407.60	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,329.20	1,482.14
		<i>For 3/4" Insulated Slats, Add</i>	2,894.18	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,190.14	1,601.49
		<i>For 3/4" Insulated Slats, Add</i>	3,390.70	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,044.31	1,760.63
		<i>For 3/4" Insulated Slats, Add</i>	3,832.41	
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,978.04	1,959.55
		<i>For 3/4" Insulated Slats, Add</i>	4,284.06	
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,991.34	2,198.24
		<i>For 3/4" Insulated Slats, Add</i>	4,745.66	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,163.76	2,516.52
		<i>For 3/4" Insulated Slats, Add</i>	5,227.14	

08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)

Note: With curtain hood (barrel cover)

08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,341.00	1,582.20
		<i>For 3/4" Insulated Slats, Add</i>	2,778.01	
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,931.45	1,661.77
		<i>For 3/4" Insulated Slats, Add</i>	3,121.39	
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,636.62	1,741.34
		<i>For 3/4" Insulated Slats, Add</i>	3,550.81	
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,349.64	1,860.69
		<i>For 3/4" Insulated Slats, Add</i>	3,936.39	
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,181.41	2,019.83
		<i>For 3/4" Insulated Slats, Add</i>	4,361.30	
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,012.46	2,178.95
		<i>For 3/4" Insulated Slats, Add</i>	4,785.66	
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,697.98	2,377.87
		<i>For 3/4" Insulated Slats, Add</i>	5,801.16	
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	13,463.07	2,616.58
		<i>For 3/4" Insulated Slats, Add</i>	6,826.60	
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,611.78	1,819.54
		<i>For 3/4" Insulated Slats, Add</i>	3,434.41	
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,279.38	1,899.11
		<i>For 3/4" Insulated Slats, Add</i>	3,835.65	
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,877.17	1,978.68
		<i>For 3/4" Insulated Slats, Add</i>	4,184.54	
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,574.74	2,098.03
		<i>For 3/4" Insulated Slats, Add</i>	4,558.52	
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,410.02	2,257.15
		<i>For 3/4" Insulated Slats, Add</i>	4,986.07	
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,355.20	2,416.29
		<i>For 3/4" Insulated Slats, Add</i>	5,496.04	
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,772.48	2,615.21
		<i>For 3/4" Insulated Slats, Add</i>	6,310.35	
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	14,279.91	2,853.92
		<i>For 3/4" Insulated Slats, Add</i>	7,142.55	
08 33 23 11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,253.87	2,046.99
		<i>For 3/4" Insulated Slats, Add</i>	3,631.63	
08 33 23 11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,854.49	2,126.55
		<i>For 3/4" Insulated Slats, Add</i>	3,982.63	
08 33 23 11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,810.37	2,245.90
		<i>For 3/4" Insulated Slats, Add</i>	4,550.35	
08 33 23 11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	10,710.71	2,405.04
		<i>For 3/4" Insulated Slats, Add</i>	5,026.69	
08 33 23 11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	11,696.03	2,603.96
		<i>For 3/4" Insulated Slats, Add</i>	5,517.03	
08 33 23 11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	12,761.61	2,842.66
		<i>For 3/4" Insulated Slats, Add</i>	6,017.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,534.84	3,121.14
		For 3/4" Insulated Slats, Add	.....	6,999.66	
08 33 23 11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	16,419.80	3,439.42
		For 3/4" Insulated Slats, Add	.....	8,015.54	
08 33 23 11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	9,439.28	2,354.04
		For 3/4" Insulated Slats, Add	.....	4,136.87	
08 33 23 11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,558.38	2,433.60
		For 3/4" Insulated Slats, Add	.....	4,876.74	
08 33 23 11-0091 18 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)					
Note: With curtain hood (barrel cover).					
08 33 23 11-0092	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,987.96	2,878.21
		For 3/4" Insulated Slats, Add	.....	5,393.25	
08 33 23 11-0093	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,193.15	2,997.56
		For 3/4" Insulated Slats, Add	.....	6,147.95	
08 33 23 11-0094	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,647.54	3,156.70
		For 3/4" Insulated Slats, Add	.....	7,039.82	
08 33 23 11-0095	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	16,262.92	3,315.83
		For 3/4" Insulated Slats, Add	.....	8,052.45	
08 33 23 11-0096	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	17,965.48	3,514.74
		For 3/4" Insulated Slats, Add	.....	9,080.72	
08 33 23 11-0097	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	19,774.21	3,753.45
		For 3/4" Insulated Slats, Add	.....	10,138.89	
08 33 23 11-0098	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	10,398.16	2,786.71
		For 3/4" Insulated Slats, Add	.....	4,315.27	
08 33 23 11-0099	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,662.36	2,906.06
		For 3/4" Insulated Slats, Add	.....	5,114.24	
08 33 23 11-0100	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,391.46	3,166.02
		For 3/4" Insulated Slats, Add	.....	6,086.03	
08 33 23 11-0101	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,948.02	3,285.37
		For 3/4" Insulated Slats, Add	.....	7,104.27	
08 33 23 11-0102	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	16,589.21	3,444.51
		For 3/4" Insulated Slats, Add	.....	8,136.24	
08 33 23 11-0103	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	18,390.83	3,603.64
		For 3/4" Insulated Slats, Add	.....	9,288.54	
08 33 23 11-0104	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	20,277.31	3,802.55
		For 3/4" Insulated Slats, Add	.....	10,454.75	
08 33 23 11-0105	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	22,232.65	4,041.26
		For 3/4" Insulated Slats, Add	.....	11,622.88	
08 33 23 11-0106	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,458.75	3,065.37
		For 3/4" Insulated Slats, Add	.....	4,762.31	
08 33 23 11-0107	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,318.91	3,144.93
		For 3/4" Insulated Slats, Add	.....	5,307.98	
08 33 23 11-0108	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,149.69	3,224.50
		For 3/4" Insulated Slats, Add	.....	6,581.60	
08 33 23 11-0109	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	15,881.31	3,343.86
		For 3/4" Insulated Slats, Add	.....	7,731.13	
08 33 23 11-0110	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	17,626.82	3,502.99
		For 3/4" Insulated Slats, Add	.....	8,841.34	
08 33 23 11-0111	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	19,531.53	3,662.12
		For 3/4" Insulated Slats, Add	.....	10,070.95	
08 33 23 11-0112	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	21,851.92	3,880.93
		For 3/4" Insulated Slats, Add	.....	11,537.74	
08 33 23 11-0113	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	24,226.03	4,099.74
		For 3/4" Insulated Slats, Add	.....	13,044.81	
08 33 23 11-0114	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,968.23	3,022.12
		For 3/4" Insulated Slats, Add	.....	5,948.53	
08 33 23 11-0115	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,292.75	3,147.52
		For 3/4" Insulated Slats, Add	.....	6,785.27	
08 33 23 11-0116	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	15,889.28	3,314.61
		For 3/4" Insulated Slats, Add	.....	7,773.80	
08 33 23 11-0117	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	17,664.72	3,481.69
		For 3/4" Insulated Slats, Add	.....	8,896.52	
08 33 23 11-0118	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	19,532.13	3,690.48
		For 3/4" Insulated Slats, Add	.....	10,036.00	
08 33 23 11-0119	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	21,512.65	3,941.12
		For 3/4" Insulated Slats, Add	.....	11,208.09	
08 33 23 11-0120	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	11,212.88	2,925.99
		For 3/4" Insulated Slats, Add	.....	4,752.16	
08 33 23 11-0121	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,602.96	3,051.39
		For 3/4" Insulated Slats, Add	.....	5,638.08	
08 33 23 11-0122	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	14,492.51	3,324.31
		For 3/4" Insulated Slats, Add	.....	6,713.90	
08 33 23 11-0123	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	16,207.43	3,449.71
		For 3/4" Insulated Slats, Add	.....	7,843.44	
08 33 23 11-0124	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	18,011.53	3,616.80
		For 3/4" Insulated Slats, Add	.....	8,987.65	
08 33 23 11-0125	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	19,993.87	3,783.89
		For 3/4" Insulated Slats, Add	.....	10,265.54	
08 33 23 11-0126	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	22,065.66	3,992.68
		For 3/4" Insulated Slats, Add	.....	11,558.30	
08 33 23 11-0127	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	24,209.09	4,243.31
		For 3/4" Insulated Slats, Add	.....	12,852.58	
08 33 23 11-0128	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	12,357.24	3,218.65
		For 3/4" Insulated Slats, Add	.....	5,244.62	
08 33 23 11-0129	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	.....	13,303.25	3,302.19
		For 3/4" Insulated Slats, Add	.....	5,849.70	

08 Openings

08 30 Specialty Doors and Frames

08 33 Coiling Doors and Grilles

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 11-0130	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	15,327.71	3,385.74
		<i>For 3/4" Insulated Slats, Add</i>	7,263.61	
08 33 23 11-0131	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	17,237.16	3,510.97
		<i>For 3/4" Insulated Slats, Add</i>	8,539.05	
08 33 23 11-0132	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	19,157.17	3,678.07
		<i>For 3/4" Insulated Slats, Add</i>	9,770.19	
08 33 23 11-0133	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	21,254.06	3,845.16
		<i>For 3/4" Insulated Slats, Add</i>	11,134.00	
08 33 23 11-0134	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	23,805.61	4,074.94
		<i>For 3/4" Insulated Slats, Add</i>	12,760.43	
08 33 23 11-0135	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	26,416.69	4,304.74
		<i>For 3/4" Insulated Slats, Add</i>	14,431.60	

08 33 23 11-0136 Aluminum Overhead Coiling Doors (Width x Height) (08 33 23 11)

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.

08 33 23 11-0137 0.04" Aluminum Overhead Coiling Doors (08 33 23 11-0136)

08 33 23 11-0138	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,024.37	905.87
08 33 23 11-0139	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,243.98	956.20
08 33 23 11-0140	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,767.16	995.99
08 33 23 11-0141	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,685.55	1,056.85
08 33 23 11-0142	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,033.92	1,157.51
08 33 23 11-0143	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,260.63	1,197.30
08 33 23 11-0144	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,531.43	1,237.08
08 33 23 11-0145	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,845.22	1,296.75
08 33 23 11-0146	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,017.94	1,132.33
08 33 23 11-0147	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,368.05	1,207.83
08 33 23 11-0148	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,670.97	1,258.16
08 33 23 11-0149	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,942.00	1,297.95
08 33 23 11-0150	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,253.85	1,357.62
08 33 23 11-0151	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,787.15	1,308.48
08 33 23 11-0152	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,085.49	1,358.81
08 33 23 11-0153	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,488.35	1,438.38
08 33 23 11-0154	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,972.13	1,557.73
08 33 23 11-0155	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,709.48	1,716.87
08 33 23 11-0156	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,526.32	1,915.78
08 33 23 11-0157	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	8,418.71	2,154.48
08 33 23 11-0158	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	9,391.85	2,432.97
08 33 23 11-0159	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,080.53	1,358.81
08 33 23 11-0160	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,645.36	1,402.57
08 33 23 11-0161	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,176.48	1,482.14
08 33 23 11-0162	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,789.40	1,601.49
08 33 23 11-0163	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	7,614.59	1,760.63
08 33 23 11-0164	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	8,521.27	1,959.55
08 33 23 11-0165	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	9,227.48	2,198.24
08 33 23 11-0166	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	10,095.41	2,516.52

08 33 23 11-0167 0.05" Aluminum Overhead Coiling Doors (08 33 23 11-0136)

08 33 23 11-0168	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,820.25	1,582.20
08 33 23 11-0169	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,510.56	1,661.77
08 33 23 11-0170	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,188.31	1,741.34
08 33 23 11-0171	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,895.30	1,860.69
08 33 23 11-0172	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,722.76	2,019.83
08 33 23 11-0173	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,550.18	2,178.95
08 33 23 11-0174	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,468.18	2,377.87
08 33 23 11-0175	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,465.88	2,616.58
08 33 23 11-0176	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,774.27	1,819.54
08 33 23 11-0177	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,494.44	1,899.11
08 33 23 11-0178	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,186.30	1,978.68
08 33 23 11-0179	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,978.18	2,098.03
08 33 23 11-0180	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,906.22	2,257.15
08 33 23 11-0181	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,881.36	2,416.29
08 33 23 11-0182	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,898.35	2,615.21
08 33 23 11-0183	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,946.22	2,853.92
08 33 23 11-0184	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,576.53	2,046.99
08 33 23 11-0185	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,345.42	2,126.55
08 33 23 11-0186	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,265.19	2,245.90
08 33 23 11-0187	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,252.31	2,405.04
08 33 23 11-0188	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,329.05	2,603.96
08 33 23 11-0189	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,479.06	2,842.66
08 33 23 11-0190	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	13,707.07	3,121.14
08 33 23 11-0191	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	15,020.93	3,439.42
08 33 23 11-0192	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,662.09	2,354.04
08 33 23 11-0193	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,445.12	2,433.60
08 33 23 11-0194	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,725.72	2,552.95
08 33 23 11-0195	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,660.05	2,712.09
08 33 23 11-0196	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,821.64	2,911.01
08 33 23 11-0197	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	14,091.07	3,149.70
08 33 23 11-0198	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	15,389.78	3,428.19
08 33 23 11-0199	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	16,801.10	3,746.47
08 33 23 11-0200	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,229.78	2,786.71
08 33 23 11-0201	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,266.79	2,906.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0202	EA		22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	12,698.35	3,166.02
08 33 23 11-0203	EA		22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	13,828.07	3,285.37
08 33 23 11-0204	EA		22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	15,035.83	3,444.51
08 33 23 11-0205	EA		22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	16,254.58	3,603.64
08 33 23 11-0206	EA		22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	17,493.17	3,802.55
08 33 23 11-0207	EA		22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	18,819.18	4,041.26
08 33 23 11-0208	EA		24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,272.80	3,065.37
08 33 23 11-0209	EA		24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,911.24	3,144.93
08 33 23 11-0210	EA		24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	13,393.62	3,224.50
08 33 23 11-0211	EA		24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	14,652.21	3,343.86
08 33 23 11-0212	EA		24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	15,925.97	3,502.99
08 33 23 11-0213	EA		24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	17,199.74	3,662.12
08 33 23 11-0214	EA		24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	18,716.48	3,861.04
08 33 23 11-0215	EA		24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	20,359.96	4,099.74
08 33 23 11-0216 Overhead Coiling Door Accessories (08 33 23 11)					
08 33 23 11-0217	LF		Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only.....	5.71	1.70
08 33 23 11-0218	LF		Top Of Door (Lintel), Weather Strip Seal For Coiling Doors.....	35.65	2.03
08 33 23 11-0219	LF		Side Of Door (Guides), Weather Strip Seal For Coiling Doors.....	34.01	2.03
08 33 23 11-0220	EA		Cylinder Lock For Coiling Doors.....	315.52	84.78
08 33 23 11-0221	LF		3" High Vision Lites, 5/8" Insulated Glazing With Wind Lock For Overhead Coiling Doors..... Note: Additional cost for factory supplied.	16.98	
08 33 23 11-0222	LF		10" High Vision Lites, 1" Insulated Glazing With Wind Lock For Overhead Coiling Doors..... Note: Additional cost for factory supplied.	67.90	
08 33 23 11-0223	EA		Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	1,947.04	271.30
08 33 23 11-0224	EA		Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	2,448.01	271.30
08 33 23 11-0225	EA		>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	2,303.00	305.21
08 33 23 11-0226	EA		>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	2,714.31	305.21
08 33 23 11-0227	EA		>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,959.55	339.12
08 33 23 11-0228	EA		>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	3,209.07	339.12
08 33 23 11-0229	LF		Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles.....	85.35	
08 33 23 11-0230	EA		Remote Transmitter Kit For Coiling Door Operators.....	421.40	135.65
08 33 23 11-0231 Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11)					
Note: Includes storage, cleaning and supply materials.					
08 33 23 11-0232	SF		Removal And Reinstallation Of Metal Roll-up Door And Supports.....	28.84	
08 33 23 13 Overhead Rapid Coiling Doors (08 33 23)					
Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0997 for forklift.					
08 33 23 13-0001 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13)					
Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.					
08 33 23 13-0002 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)					
08 33 23 13-0003 5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)					
08 33 23 13-0004	EA		5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,464.68	496.47
08 33 23 13-0005	EA		5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,760.73	519.52
08 33 23 13-0006	EA		5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,054.85	542.59
08 33 23 13-0007	EA		5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,347.03	565.65
08 33 23 13-0008	EA		5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,643.09	588.71
08 33 23 13-0009	EA		5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,937.20	611.77
08 33 23 13-0010 6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)					
08 33 23 13-0011	EA		6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	5,760.73	519.52
08 33 23 13-0012	EA		6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,054.85	542.59
08 33 23 13-0013	EA		6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,347.03	565.65
08 33 23 13-0014	EA		6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,643.09	588.71
08 33 23 13-0015	EA		6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,937.20	611.77
08 33 23 13-0016	EA		6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	7,231.33	634.83
08 33 23 13-0017 7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)					
08 33 23 13-0018	EA		7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,054.85	542.59
08 33 23 13-0019	EA		7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,347.03	565.65
08 33 23 13-0020	EA		7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®).....	6,643.09	588.71

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 33 23 13-0021	EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,937.20	611.77
08 33 23 13-0022	EA	7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,231.33	634.83
08 33 23 13-0023	EA	7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,527.39	657.89

08 33 23 13-0024 8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)

08 33 23 13-0025	EA	8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,347.03	565.65
08 33 23 13-0026	EA	8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,643.09	588.71
08 33 23 13-0027	EA	8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,937.20	611.77
08 33 23 13-0028	EA	8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,231.33	634.83
08 33 23 13-0029	EA	8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,527.39	657.89
08 33 23 13-0030	EA	8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,819.57	680.95

08 33 23 13-0031 9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)

08 33 23 13-0032	EA	9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,643.09	588.71
08 33 23 13-0033	EA	9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,937.20	611.77
08 33 23 13-0034	EA	9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,231.33	634.83
08 33 23 13-0035	EA	9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,527.39	657.89
08 33 23 13-0036	EA	9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,819.57	680.95
08 33 23 13-0037	EA	9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,115.62	704.01

08 33 23 13-0038 10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)

08 33 23 13-0039	EA	10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,937.20	611.77
08 33 23 13-0040	EA	10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,231.33	634.83
08 33 23 13-0041	EA	10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,527.39	657.89
08 33 23 13-0042	EA	10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,819.57	680.95
08 33 23 13-0043	EA	10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,115.62	704.01
08 33 23 13-0044	EA	10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,409.74	727.07

08 33 23 13-0045 Rytec® Bantam® Door Options (08 33 23 13-0001)

08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	12.11	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	26.64	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors	38.75	
Note: Multiply linear foot price x width of door.				
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	368.12	
08 33 23 13-0050	EA	Roll Cover For Rytec® Bantam® High-Speed Rolling Doors	716.90	67.82
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors	716.90	67.82
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors	3,032.23	135.65
Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.				
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator	387.52	67.82
Note: Includes open/close/stop control.				
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator	377.84	67.82

08 33 23 13-0055 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0055)
Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.

08 33 23 13-0056 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0055)

08 33 23 13-0057 6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)

08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,664.07	542.59
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,936.23	565.65
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,249.65	588.71
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,685.05	611.77
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,129.45	634.83
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,875.22	657.89
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,405.71	680.95

08 33 23 13-0065 7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)

08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,995.43	565.65
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,341.14	588.71
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,774.75	611.77
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,233.50	634.83
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,837.54	657.89
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,565.37	680.95
08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,140.72	704.01

08 33 23 13-0073 8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0074	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,398.55	588.71	
08 33 23 13-0075	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,830.37	611.77	
08 33 23 13-0076	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,307.05	634.83	
08 33 23 13-0077	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,929.04	657.89	
08 33 23 13-0078	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,490.03	680.95	
08 33 23 13-0079	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,282.44	704.01	
08 33 23 13-0080	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,933.13	727.07	
08 33 23 13-0081 9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)					
08 33 23 13-0082	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,889.57	611.77	
08 33 23 13-0083	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,362.66	634.83	
08 33 23 13-0084	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,984.65	657.89	
08 33 23 13-0085	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,563.58	680.95	
08 33 23 13-0086	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,171.22	704.01	
08 33 23 13-0087	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,802.17	727.07	
08 33 23 13-0088	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,494.12	750.13	
08 33 23 13-0089 10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)					
08 33 23 13-0090	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,409.31	634.83	
08 33 23 13-0091	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,043.85	657.89	
08 33 23 13-0092	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,617.40	680.95	
08 33 23 13-0093	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,230.42	704.01	
08 33 23 13-0094	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,909.81	727.07	
08 33 23 13-0095	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,049.22	750.13	
08 33 23 13-0096	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	22,202.22	773.19	
08 33 23 13-0097 11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)					
08 33 23 13-0098	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,077.94	657.89	
08 33 23 13-0099	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,665.84	680.95	
08 33 23 13-0100	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,286.03	704.01	
08 33 23 13-0101	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,967.22	727.07	
08 33 23 13-0102	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,415.19	750.13	
08 33 23 13-0103	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	22,299.09	773.19	
08 33 23 13-0104	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	23,023.34	796.25	
08 33 23 13-0105 12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)					
08 33 23 13-0106	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,681.98	680.95	
08 33 23 13-0107	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,318.32	704.01	
08 33 23 13-0108	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,012.07	727.07	
08 33 23 13-0109	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,476.18	750.13	
08 33 23 13-0110	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	22,085.61	773.19	
08 33 23 13-0111	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	23,105.86	796.25	
08 33 23 13-0112	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	23,815.75	819.31	
08 33 23 13-0113 Rytec® PredaDoor® Door Options (08 33 23 13-0055)					
08 33 23 13-0114	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	854.34	135.65	
08 33 23 13-0115	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	1,240.05	135.65	
08 33 23 13-0116	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	14.53		
08 33 23 13-0117 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0117)					
Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.					
08 33 23 13-0118 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0117)					
08 33 23 13-0119 8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0120	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	25,329.20	1,220.83	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00		
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00		
08 33 23 13-0121	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,476.56	1,255.42	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00		
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00		

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0122	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,476.81	1,290.00
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0123	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,552.42	1,324.60
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0124	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,771.54	1,359.18
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,412.99	1,393.78
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,413.24	1,428.37
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,305.36	1,465.51
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,724.25	1,503.61
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,871.93	1,542.70
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,292.89	1,582.81
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	

08 33 23 13-0131 9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)

08 33 23 13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,476.56	1,255.42
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,476.81	1,290.00
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,552.42	1,324.60
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,771.54	1,359.18
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00	
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,412.99	1,393.78
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00	
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,413.24	1,428.37	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00		
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,702.32	1,462.95	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00		
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,724.24	1,503.60	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00		
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,871.93	1,542.70	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00		
08 33 23 13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,292.89	1,582.81	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00		
08 33 23 13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,985.26	1,623.96	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	2,750.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,125.00		
08 33 23 13-0143 10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,476.81	1,290.00	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23 13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,552.42	1,324.60	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23 13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,771.54	1,359.18	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23 13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,412.99	1,393.78	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23 13-0148	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,413.24	1,428.37	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23 13-0149	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,702.32	1,462.95	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23 13-0150	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,919.66	1,497.55	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00		
08 33 23 13-0151	EA	10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,870.43	1,541.95	
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,300.00		
		For 316 Stainless Steel Side Frame Tower, Add	4,950.00		

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 33 23 13-0152	EA	10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	36,291.35	1,582.04
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add		4,950.00	
08 33 23 13-0153	EA	10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	37,983.68	1,623.17
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add		4,950.00	
08 33 23 13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	39,410.76	1,665.38
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,300.00	
		For 316 Stainless Steel Side Frame Tower, Add		4,950.00	
08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	28,552.42	1,324.60
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add		5,775.00	
08 33 23 13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	29,771.54	1,359.18
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add		5,775.00	
08 33 23 13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	30,412.99	1,393.78
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add		5,775.00	
08 33 23 13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	31,413.24	1,428.37
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add		5,775.00	
08 33 23 13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	32,702.32	1,462.95
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add		5,775.00	
08 33 23 13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	33,919.66	1,497.55
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add		5,775.00	
08 33 23 13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	35,280.50	1,532.13
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add		5,775.00	
08 33 23 13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	36,287.65	1,580.19
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add		5,775.00	
08 33 23 13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	37,979.88	1,621.28
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add		5,775.00	
08 33 23 13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	39,406.87	1,663.43
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add		5,775.00	
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	41,101.49	1,706.67
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add		3,850.00	
		For 316 Stainless Steel Side Frame Tower, Add		5,775.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,771.54	1,359.18
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,412.99	1,393.78
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,413.24	1,428.37
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,702.32	1,462.95
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,919.66	1,497.55
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,280.50	1,532.13
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,259.22	1,566.73
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,974.19	1,618.43
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,401.03	1,660.51
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,095.49	1,703.69
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,792.21	1,747.98
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00	

08 33 23 13-0179 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,152.10	1,393.78
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	
08 33 23 13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,430.42	1,428.37
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00	
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
08 33 23 13-0182	EA 13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,642.37		1,462.95
		675.00		
		1,100.00		
		2,750.00		
		4,950.00		
		6,975.00		
08 33 23 13-0183	EA 13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	35,049.86		1,497.55
		675.00		
		1,100.00		
		2,750.00		
		4,950.00		
		6,975.00		
08 33 23 13-0184	EA 13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,451.97		1,532.13
		675.00		
		1,100.00		
		2,750.00		
		4,950.00		
		6,975.00		
08 33 23 13-0185	EA 13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	37,493.47		1,566.73
		675.00		
		1,100.00		
		2,750.00		
		4,950.00		
		6,975.00		
08 33 23 13-0186	EA 13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	38,285.62		1,601.32
		675.00		
		1,100.00		
		2,750.00		
		4,950.00		
		6,975.00		
08 33 23 13-0187	EA 13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	39,504.02		1,656.79
		675.00		
		1,100.00		
		2,750.00		
		4,950.00		
		6,975.00		
08 33 23 13-0188	EA 13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	41,200.24		1,699.86
		675.00		
		1,100.00		
		2,750.00		
		4,950.00		
		6,975.00		
08 33 23 13-0189	EA 13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	42,904.50		1,744.06
		675.00		
		1,100.00		
		2,750.00		
		4,950.00		
		6,975.00		
08 33 23 13-0190	EA 13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	44,405.69		1,789.40
		675.00		
		1,100.00		
		2,750.00		
		4,950.00		
		6,975.00		
08 33 23 13-0191	14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)			
08 33 23 13-0192	EA 14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,430.42		1,428.37
		675.00		
		1,100.00		
		2,750.00		
		5,480.00		
		7,370.00		
08 33 23 13-0193	EA 14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,642.37		1,462.95
		675.00		
		1,100.00		
		2,750.00		
		5,480.00		
		7,370.00		
08 33 23 13-0194	EA 14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	35,049.86		1,497.55
		675.00		
		1,100.00		
		2,750.00		
		5,480.00		
		7,370.00		
08 33 23 13-0195	EA 14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,451.97		1,532.13
		675.00		
		1,100.00		
		2,750.00		
		5,480.00		
		7,370.00		
08 33 23 13-0196	EA 14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	37,493.47		1,566.73
		675.00		
		1,100.00		
		2,750.00		
		5,480.00		
		7,370.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,285.62	1,601.32
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,461.70	1,635.90
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,190.63	1,695.06
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,894.65	1,739.13
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,395.58	1,784.34
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,660.03	1,830.74
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	

08 33 23 13-0203 15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 33 23 13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,573.76	1,428.37
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,981.75	1,462.95
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,383.94	1,497.55
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,425.74	1,532.13
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,217.59	1,566.73
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,393.08	1,601.32
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,147.58	1,673.54
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,884.47	1,734.05
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,385.14	1,779.13
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,649.32	1,825.39
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,947.18	1,872.85
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	

08 33 23 13-0215 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,045.50	1,494.82
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,450.90	1,531.03
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,495.92	1,567.22
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,291.00	1,603.43
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,469.70	1,639.62
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,152.16	1,675.83
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,840.43	1,712.02
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,374.74	1,773.92
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,638.65	1,820.05
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	49,936.23	1,867.37
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	52,247.89	1,915.92
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,790.00	

08 33 23 13-0227 17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)

(08 33 23 13-0118)

08 33 23 13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,319.38	1,529.21
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,493.94	1,566.24
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,914.56	1,603.28
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	40,474.67	1,640.31
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,906.93	1,677.34
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	44,034.73	1,714.37
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	46,085.04	1,751.40
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	47,628.01	1,814.73
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	49,925.31	1,861.91
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	52,236.69	1,910.32
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	54,478.89	1,959.99
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	37,866.09	1,564.38
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	8,230.00	
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	39,416.28	1,602.26
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	8,230.00	
08 33 23 13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	41,104.05	1,640.15
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	8,230.00	
08 33 23 13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	42,786.00	1,678.03
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	8,230.00	
08 33 23 13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	44,539.64	1,715.92
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	8,230.00	
08 33 23 13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	47,029.53	1,753.80
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	8,230.00	
08 33 23 13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	49,589.17	1,791.69
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	8,230.00	
08 33 23 13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	50,854.10	1,856.46
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	8,230.00	
08 33 23 13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	52,225.51	1,904.74
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	8,230.00	
08 33 23 13-0249	EA	18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	54,403.48	1,954.26
		For NEMA 4X Control Box, Add	.....	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	.....	1,100.00	
		For AC Variable Speed Motor And Controls, Add	.....	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	.....	6,720.00	
		For 316 Stainless Steel Side Frame Tower, Add	.....	8,230.00	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 33 23 13-0250	EA	18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	56,651.85		2,005.07
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	6,720.00		
		For 316 Stainless Steel Side Frame Tower, Add	8,230.00		
08 33 23 13-0251 19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0252	EA	19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,412.48		1,600.36
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0253	EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,101.99		1,639.12
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0254	EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,785.68		1,677.87
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0255	EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,541.06		1,716.63
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0256	EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,032.69		1,755.38
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0257	EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	49,594.08		1,794.14
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0258	EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	50,806.96		1,832.89
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0259	EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	52,214.37		1,899.16
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	54,392.06		1,948.54
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	56,640.12		1,999.21
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	58,890.83		2,051.19
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,098.10		1,637.17
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,783.57		1,676.81
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,540.74		1,716.46
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	47,034.15		1,756.11
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	49,597.31		1,795.76
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	50,811.98		1,835.40
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
08 33 23 13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	52,166.14		1,875.05
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	54,380.66	1,942.85
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	56,628.44	1,993.36
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	58,878.83	2,045.19
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	60,860.68	2,098.36
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0275 21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	51,364.12	1,755.94
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	53,859.34	1,796.50
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	56,422.39	1,837.06
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	57,642.75	1,877.61
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	58,996.80	1,918.17
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	61,214.45	1,987.54
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	63,464.55	2,039.21
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	65,717.33	2,092.23
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	67,701.62	2,146.63
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0285 22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)					
08 33 23 13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	53,320.37	1,796.33
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	55,819.41	1,837.82
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	58,382.39	1,879.31
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	59,602.68	1,920.80
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	60,962.47	1,962.29
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	63,183.31	2,033.24
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	
08 33 23 13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	.....	65,435.78	2,086.11
		For NEMA 4X Control Box, Add		675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add		1,100.00	
		For AC Variable Speed Motor And Controls, Add		2,750.00	

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 33 23 13-0293	EA 22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	67,689.07 675.00 1,100.00 2,750.00		2,140.35
08 33 23 13-0294	EA 22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	69,677.79 675.00 1,100.00 2,750.00		2,196.00
08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)				
08 33 23 13-0296	EA 23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	55,280.43 675.00 1,100.00 2,750.00		1,837.65
08 33 23 13-0297	EA 23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	57,779.44 675.00 1,100.00 2,750.00		1,880.09
08 33 23 13-0298	EA 23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	60,346.26 675.00 1,100.00 2,750.00		1,922.54
08 33 23 13-0299	EA 23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	61,568.46 675.00 1,100.00 2,750.00		1,964.98
08 33 23 13-0300	EA 23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	62,928.23 675.00 1,100.00 2,750.00		2,007.43
08 33 23 13-0301	EA 23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	65,154.27 675.00 1,100.00 2,750.00		2,080.01
08 33 23 13-0302	EA 23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	67,407.24 675.00 1,100.00 2,750.00		2,134.09
08 33 23 13-0303	EA 23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	69,664.95 675.00 1,100.00 2,750.00		2,189.58
08 33 23 13-0304	EA 23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	71,656.25 675.00 1,100.00 2,750.00		2,246.50
08 33 23 13-0305 24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)				
08 33 23 13-0306	EA 24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	57,240.47 675.00 1,100.00 2,750.00		1,879.91
08 33 23 13-0307	EA 24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	59,741.43 675.00 1,100.00 2,750.00		1,923.33
08 33 23 13-0308	EA 24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	62,312.13 675.00 1,100.00 2,750.00		1,966.75
08 33 23 13-0309	EA 24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	63,536.29 675.00 1,100.00 2,750.00		2,010.17
08 33 23 13-0310	EA 24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	64,896.07 675.00 1,100.00 2,750.00		2,053.60
08 33 23 13-0311	EA 24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	67,123.51 675.00 1,100.00 2,750.00		2,127.85
08 33 23 13-0312	EA 24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	69,380.90 675.00 1,100.00 2,750.00		2,183.17
08 33 23 13-0313	EA 24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	71,643.10 675.00 1,100.00 2,750.00		2,239.94
08 33 23 13-0314	EA 24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	73,633.14 675.00 1,100.00 2,750.00		2,298.18

08 33 23 13-0315	Rytec® Fast-Seal® Door Options (08 33 23 13-0117)				
08 33 23 13-0316	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors	53.82		
		Note: Multiply linear foot price x width of door.			
08 33 23 13-0317	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	583.04		
08 33 23 13-0318	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	968.75		
08 33 23 13-0319	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,424.63		
08 33 23 13-0320	EA	>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	2,131.24		
08 33 23 13-0321	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	340.86		
08 33 23 13-0322	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	672.74		
		Note: Door must be at least 90" wide.			
08 33 23 13-0323	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	852.14		
		Note: Door must be at least 102" wide.			
08 33 23 13-0324	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	1,345.48		
		Note: Door must be at least 136" wide.			
08 33 23 13-0325	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	394.67		
08 33 23 13-0326	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	780.38		
		Note: Door must be at least 108" wide.			
08 33 23 13-0327	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	968.75		
		Note: Door must be at least 144" wide.			
08 33 23 13-0328	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	1,560.76		
		Note: Door must be at least 192" wide.			
08 33 23 13-0329	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10'	774.92		
		For 304 Stainless Steel, Add	123.99		
		For 316 Stainless Steel, Add	542.44		
08 33 23 13-0330	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14'	1,007.40		
		For 304 Stainless Steel, Add	161.18		
		For 316 Stainless Steel, Add	705.18		
08 33 23 13-0331	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18'	1,317.37		
		For 304 Stainless Steel, Add	210.78		
		For 316 Stainless Steel, Add	922.16		
08 33 23 13-0332	EA	Through Wall Brake Release	200.50		
08 33 23 13-0333	EA	Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons	22,240.35		
		For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	-6,200.00		

08 33 23 13-0334	High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13)				
		Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lb. polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.			

08 33 23 13-0335	High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0334)				
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08 33 23 13-0336	8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)				
08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,441.56	1,220.83	
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,739.36	1,255.42	
08 33 23 13-0339	EA	8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,263.85	1,290.00	
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,788.35	1,324.60	
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,314.78	1,359.18	
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,839.26	1,393.78	
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,135.13	1,428.37	
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,666.66	1,465.51	
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,653.49	1,503.61	
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,960.30	1,542.70	
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,724.44	1,582.81	

08 33 23 13-0348	9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)				
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08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,739.36	1,255.42	
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,035.23	1,290.00	
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,561.66	1,324.60	
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,314.78	1,359.18	
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,610.64	1,393.78	
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,135.13	1,428.37	
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,661.56	1,462.95	
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,198.18	1,503.61	
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,415.61	1,542.70	
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,637.00	1,582.81	
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,858.57	1,623.97	

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0360		10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)			
		(08 33 23 13-0335)			
08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,403.10	1,290.00	
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,700.91	1,324.60	
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,225.40	1,359.18	
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,978.51	1,393.78	
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,503.00	1,428.37	
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,029.43	1,462.95	
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,553.93	1,497.55	
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,326.66	1,541.94	
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,317.47	1,582.04	
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,767.60	1,623.17	
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,993.19	1,665.37	
08 33 23 13-0372		11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)			
		(08 33 23 13-0335)			
08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,472.29	1,324.60	
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,996.78	1,359.18	
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,523.20	1,393.78	
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,276.31	1,428.37	
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,800.80	1,462.95	
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,325.30	1,497.55	
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,535.67	1,532.13	
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,997.70	1,580.19	
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,447.75	1,621.27	
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,899.92	1,663.43	
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,125.66	1,706.67	
08 33 23 13-0384		12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)			
		(08 33 23 13-0335)			
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,770.09	1,359.18	
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,294.57	1,393.78	
08 33 23 13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,819.06	1,428.37	
08 33 23 13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,572.18	1,462.95	
08 33 23 13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,325.30	1,497.55	
08 33 23 13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,762.36	1,532.13	
08 33 23 13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,199.40	1,566.73	
08 33 23 13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,670.68	1,618.43	
08 33 23 13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,349.38	1,660.51	
08 33 23 13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,803.61	1,703.68	
08 33 23 13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,260.07	1,747.98	
08 33 23 13-0396		13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)			
		(08 33 23 13-0335)			
08 33 23 13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,294.57	1,393.78	
08 33 23 13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,592.38	1,428.37	
08 33 23 13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,116.87	1,462.95	
08 33 23 13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,098.62	1,497.55	
08 33 23 13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,762.36	1,532.13	
08 33 23 13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,428.02	1,566.73	
08 33 23 13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,865.07	1,601.32	
08 33 23 13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,570.58	1,656.78	
08 33 23 13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,253.22	1,699.86	
08 33 23 13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,936.17	1,744.06	
08 33 23 13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,394.73	1,789.40	
08 33 23 13-0408		14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)			
		(08 33 23 13-0335)			
08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,592.38	1,428.37	
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,888.24	1,462.95	
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,641.37	1,497.55	
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,078.42	1,532.13	
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,199.40	1,566.73	
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,865.07	1,601.32	
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,757.43	1,635.91	
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,470.29	1,695.07	
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,154.93	1,739.14	
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,839.92	1,784.34	
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,757.82	1,830.74	
08 33 23 13-0420		15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)			
		(08 33 23 13-0335)			
08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,025.96	1,461.22	
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,552.04	1,496.61	
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,306.74	1,531.98	
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,288.15	1,567.37	
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,639.34	1,602.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0426	EA		15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,533.29	1,638.14
08 33 23 13-0427	EA		15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,427.25	1,673.54
08 33 23 13-0428	EA		15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,144.78	1,734.05
08 33 23 13-0429	EA		15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	50,058.12	1,779.12
08 33 23 13-0430	EA		15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,973.81	1,825.40
08 33 23 13-0431	EA		15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,891.92	1,872.85
08 33 23 13-0432 16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23 13-0433	EA		16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,319.86	1,494.83
08 33 23 13-0434	EA		16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,076.19	1,531.03
08 33 23 13-0435	EA		16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,832.54	1,567.23
08 33 23 13-0436	EA		16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,728.12	1,603.42
08 33 23 13-0437	EA		16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,307.62	1,639.62
08 33 23 13-0438	EA		16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,205.14	1,675.83
08 33 23 13-0439	EA		16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,100.73	1,712.02
08 33 23 13-0440	EA		16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	50,047.72	1,773.92
08 33 23 13-0441	EA		16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,963.14	1,820.05
08 33 23 13-0442	EA		16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,880.96	1,867.37
08 33 23 13-0443	EA		16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	56,029.88	1,915.92
08 33 23 13-0444 17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23 13-0445	EA		17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,845.86	1,529.21
08 33 23 13-0446	EA		17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,375.23	1,566.24
08 33 23 13-0447	EA		17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,272.49	1,603.27
08 33 23 13-0448	EA		17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,169.73	1,640.30
08 33 23 13-0449	EA		17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,750.91	1,677.34
08 33 23 13-0450	EA		17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,876.78	1,714.37
08 33 23 13-0451	EA		17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	49,774.03	1,751.40
08 33 23 13-0452	EA		17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,952.50	1,814.74
08 33 23 13-0453	EA		17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,870.04	1,861.91
08 33 23 13-0454	EA		17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	56,018.68	1,910.32
08 33 23 13-0455	EA		17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	58,169.81	1,960.00
08 33 23 13-0456 18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23 13-0457	EA		18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,371.52	1,564.38
08 33 23 13-0458	EA		18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,902.61	1,602.27
08 33 23 13-0459	EA		18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,485.48	1,640.16
08 33 23 13-0460	EA		18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	44,613.06	1,678.02
08 33 23 13-0461	EA		18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,195.96	1,715.92
08 33 23 13-0462	EA		18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	49,323.52	1,753.80
08 33 23 13-0463	EA		18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,679.72	1,791.69
08 33 23 13-0464	EA		18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,859.15	1,856.47
08 33 23 13-0465	EA		18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	56,007.49	1,904.74
08 33 23 13-0466	EA		18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	58,158.34	1,954.26
08 33 23 13-0467	EA		18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	60,311.78	2,005.07
08 33 23 13-0468 19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23 13-0469	EA		19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	40,354.11	1,600.35
08 33 23 13-0470	EA		19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,115.55	1,639.12
08 33 23 13-0471	EA		19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,928.80	1,677.88
08 33 23 13-0472	EA		19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,058.12	1,716.63
08 33 23 13-0473	EA		19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,871.37	1,755.39
08 33 23 13-0474	EA		19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,000.70	1,794.14
08 33 23 13-0475	EA		19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,356.70	1,832.90
08 33 23 13-0476	EA		19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,541.05	1,899.17
08 33 23 13-0477	EA		19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	57,918.31	1,948.54
08 33 23 13-0478	EA		19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	60,071.43	1,999.21
08 33 23 13-0479	EA		19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	62,455.82	2,051.20
08 33 23 13-0480 20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)					
08 33 23 13-0481	EA		20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,795.60	1,637.17
08 33 23 13-0482	EA		20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,558.83	1,676.81
08 33 23 13-0483	EA		20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,145.24	1,716.47
08 33 23 13-0484	EA		20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,504.97	1,756.10
08 33 23 13-0485	EA		20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	50,319.99	1,795.76
08 33 23 13-0486	EA		20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	52,677.79	1,835.40
08 33 23 13-0487	EA		20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,037.51	1,875.06
08 33 23 13-0488	EA		20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	57,451.60	1,942.85
08 33 23 13-0489	EA		20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	59,833.05	1,993.37
08 33 23 13-0490	EA		20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	62,215.19	2,045.18
08 33 23 13-0491	EA		20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	64,600.05	2,098.37

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0492	21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0493	EA 21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,099.53	1,674.82
08 33 23 13-0494	EA 21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,232.46	1,715.38
08 33 23 13-0495	EA 21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,365.38	1,755.94
08 33 23 13-0496	EA 21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,953.61	1,796.50
08 33 23 13-0497	EA 21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,770.46	1,837.06
08 33 23 13-0498	EA 21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,358.70	1,877.62
08 33 23 13-0499	EA 21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,718.31	1,918.17
08 33 23 13-0500	EA 21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,364.14	1,987.54
08 33 23 13-0501	EA 21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,747.93	2,039.22
08 33 23 13-0502	EA 21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,132.45	2,092.23
08 33 23 13-0503	EA 21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,748.37	2,146.62
08 33 23 13-0504	22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0505	EA 22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,631.88	1,713.35
08 33 23 13-0506	EA 22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,538.04	1,754.85
08 33 23 13-0507	EA 22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,814.02	1,796.32
08 33 23 13-0508	EA 22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,404.11	1,837.82
08 33 23 13-0509	EA 22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,449.53	1,879.31
08 33 23 13-0510	EA 22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,039.63	1,920.81
08 33 23 13-0511	EA 22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,403.05	1,962.29
08 33 23 13-0512	EA 22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,052.07	2,033.24
08 33 23 13-0513	EA 22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,664.91	2,086.10
08 33 23 13-0514	EA 22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,280.50	2,140.35
08 33 23 13-0515	EA 22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	68,898.92	2,196.00
08 33 23 13-0516	23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0517	EA 23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,307.20	1,752.75
08 33 23 13-0518	EA 23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,986.65	1,795.20
08 33 23 13-0519	EA 23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,035.89	1,837.65
08 33 23 13-0520	EA 23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,856.52	1,880.09
08 33 23 13-0521	EA 23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,903.85	1,922.53
08 33 23 13-0522	EA 23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,495.86	1,964.98
08 33 23 13-0523	EA 23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,316.49	2,007.43
08 33 23 13-0524	EA 23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,968.78	2,080.02
08 33 23 13-0525	EA 23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,584.06	2,134.09
08 33 23 13-0526	EA 23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	68,430.78	2,189.58
08 33 23 13-0527	EA 23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	71,051.74	2,246.51
08 33 23 13-0528	24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)		
08 33 23 13-0529	EA 24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,755.70	1,793.07
08 33 23 13-0530	EA 24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,981.79	1,836.49
08 33 23 13-0531	EA 24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,488.30	1,879.91
08 33 23 13-0532	EA 24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,082.26	1,923.33
08 33 23 13-0533	EA 24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,360.15	1,966.75
08 33 23 13-0534	EA 24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,182.74	2,010.17
08 33 23 13-0535	EA 24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,003.40	2,053.59
08 33 23 13-0536	EA 24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,887.64	2,127.85
08 33 23 13-0537	EA 24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,505.41	2,183.17
08 33 23 13-0538	EA 24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	70,354.67	2,239.94
08 33 23 13-0539	EA 24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	73,206.89	2,298.18
08 33 23 13-0540	Rytec® Powerhouse™ Door Options (08 33 23 13-0334)		
08 33 23 13-0541	EA Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,964.37	
08 33 23 13-0542	EA 9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,022.49	
08 33 23 13-0543	EA 10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,080.62	
08 33 23 13-0544	EA 11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,138.74	
08 33 23 13-0545	EA 12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,196.87	
08 33 23 13-0546	EA 13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,254.99	
08 33 23 13-0547	EA 14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,313.11	
08 33 23 13-0548	EA 15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,371.24	
08 33 23 13-0549	EA 16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,429.36	
08 33 23 13-0550	EA 17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,487.49	
08 33 23 13-0551	EA 18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,545.61	
08 33 23 13-0552	EA 19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,603.74	
08 33 23 13-0553	EA 20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,661.86	
08 33 23 13-0554	EA 21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,719.99	
08 33 23 13-0555	EA 22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,778.11	
08 33 23 13-0556	EA 23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,836.24	
08 33 23 13-0557	EA 24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,894.36	
08 33 23 13-0558	EA 11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors	678.12	
08 33 23 13-0559	EA 208-230 Volt Application For Rytec® Powerhouse™ Door	1,666.24	
	Note: Includes System 4 Controller In NEMA 4 Enclosure		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0560		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13) Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 23 13-0561		Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) (08 33 23 13-0560)		
08 33 23 13-0562		8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,040.44	1,627.77
08 33 23 13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,080.17	1,662.36
08 33 23 13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,119.89	1,696.95
08 33 23 13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,161.41	1,731.53
08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,201.13	1,766.13
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,240.84	1,800.72
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,219.86	1,835.31
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,254.84	1,872.01
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,290.72	1,909.45
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,328.09	1,947.64
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,366.99	1,986.60
08 33 23 13-0574		9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,080.17	1,662.36
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,119.89	1,696.95
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,161.41	1,731.53
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,201.13	1,766.13
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,240.84	1,800.72
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,280.57	1,835.31
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,259.58	1,869.90
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,280.08	1,907.30
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,335.31	1,945.44
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,374.14	1,984.36
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,414.51	2,024.03
08 33 23 13-0586		10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,119.89	1,696.95
08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,161.41	1,731.53
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,201.13	1,766.13
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,240.84	1,800.72
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,280.57	1,835.31
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,320.29	1,869.90
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,299.30	1,904.49
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,337.34	1,942.58
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,376.04	1,981.43
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,416.28	2,021.07
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,458.13	2,061.47
08 33 23 13-0598		11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,161.41	1,731.53
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,201.13	1,766.13
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,240.84	1,800.72
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,280.57	1,835.31
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,320.29	1,869.90
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,360.01	1,904.49
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,337.23	1,939.08
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,378.58	1,977.86
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,418.69	2,017.42
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,460.39	2,057.77
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,503.70	2,098.93
08 33 23 13-0610		12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,201.13	1,766.13
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,240.84	1,800.72
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,280.57	1,835.31
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,320.29	1,869.90
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,360.01	1,904.49
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,399.73	1,939.08
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,378.74	1,973.67
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,419.83	2,013.14
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,461.36	2,053.40
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,504.49	2,094.48
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,551.21	2,136.37

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0622	13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0623	EA 13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,240.84	1,800.72
08 33 23 13-0624	EA 13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,280.57	1,835.31
08 33 23 13-0625	EA 13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,320.29	1,869.90
08 33 23 13-0626	EA 13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,360.01	1,904.49
08 33 23 13-0627	EA 13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,399.73	1,939.08
08 33 23 13-0628	EA 13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,439.46	1,973.67
08 33 23 13-0629	EA 13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,418.46	2,008.26
08 33 23 13-0630	EA 13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,461.08	2,048.42
08 33 23 13-0631	EA 13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,504.01	2,089.39
08 33 23 13-0632	EA 13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,548.60	2,131.18
08 33 23 13-0633	EA 13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,594.82	2,173.80
08 33 23 13-0634	14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0635	EA 14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,219.86	1,835.31
08 33 23 13-0636	EA 14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,259.58	1,869.90
08 33 23 13-0637	EA 14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,299.30	1,904.49
08 33 23 13-0638	EA 14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,337.23	1,939.08
08 33 23 13-0639	EA 14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,378.74	1,973.67
08 33 23 13-0640	EA 14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,418.46	2,008.26
08 33 23 13-0641	EA 14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,449.22	2,042.85
08 33 23 13-0642	EA 14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,492.64	2,083.71
08 33 23 13-0643	EA 14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,536.98	2,125.38
08 33 23 13-0644	EA 14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,583.00	2,167.89
08 33 23 13-0645	EA 14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,630.72	2,211.24
08 33 23 13-0646	15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0647	EA 15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,254.84	1,872.01
08 33 23 13-0648	EA 15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,298.02	1,907.30
08 33 23 13-0649	EA 15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,337.34	1,942.58
08 33 23 13-0650	EA 15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,378.58	1,977.86
08 33 23 13-0651	EA 15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,419.83	2,013.14
08 33 23 13-0652	EA 15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,461.08	2,048.42
08 33 23 13-0653	EA 15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,492.64	2,083.71
08 33 23 13-0654	EA 15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,536.98	2,125.38
08 33 23 13-0655	EA 15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,583.00	2,167.89
08 33 23 13-0656	EA 15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,630.72	2,211.24
08 33 23 13-0657	EA 15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	55,680.16	2,255.47
08 33 23 13-0658	16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0659	EA 16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,290.72	1,909.45
08 33 23 13-0660	EA 16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,335.31	1,945.44
08 33 23 13-0661	EA 16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,376.04	1,981.43
08 33 23 13-0662	EA 16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,418.69	2,017.42
08 33 23 13-0663	EA 16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,461.36	2,053.40
08 33 23 13-0664	EA 16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,504.01	2,089.39
08 33 23 13-0665	EA 16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,536.98	2,125.38
08 33 23 13-0666	EA 16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,583.00	2,167.89
08 33 23 13-0667	EA 16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,630.72	2,211.24
08 33 23 13-0668	EA 16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	55,680.16	2,255.47
08 33 23 13-0669	EA 16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	56,733.31	2,300.58
08 33 23 13-0670	17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0671	EA 17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,328.09	1,947.64
08 33 23 13-0672	EA 17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,374.14	1,984.36
08 33 23 13-0673	EA 17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,416.28	2,021.07
08 33 23 13-0674	EA 17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,460.39	2,057.77
08 33 23 13-0675	EA 17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,504.49	2,094.48
08 33 23 13-0676	EA 17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,548.60	2,131.18
08 33 23 13-0677	EA 17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,583.00	2,167.89
08 33 23 13-0678	EA 17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,630.72	2,211.24
08 33 23 13-0679	EA 17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	55,680.16	2,255.47
08 33 23 13-0680	EA 17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	56,733.31	2,300.58
08 33 23 13-0681	EA 17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	57,786.33	2,346.59
08 33 23 13-0682	18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)		
08 33 23 13-0683	EA 18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,582.05	1,986.60
08 33 23 13-0684	EA 18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,627.64	2,024.03
08 33 23 13-0685	EA 18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,673.19	2,061.47
08 33 23 13-0686	EA 18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,716.82	2,098.93
08 33 23 13-0687	EA 18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,764.33	2,136.37

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 33 23 13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,807.95		2,173.80
08 33 23 13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,845.78		2,211.24
08 33 23 13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	55,895.22		2,255.47
08 33 23 13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	56,946.44		2,300.58
08 33 23 13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	57,999.45		2,346.59
08 33 23 13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	59,054.32		2,393.53
08 33 23 13-0694	19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,942.20		2,026.33
08 33 23 13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,991.20		2,064.52
08 33 23 13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,036.34		2,102.71
08 33 23 13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,083.40		2,140.90
08 33 23 13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,130.47		2,179.09
08 33 23 13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	55,177.53		2,217.28
08 33 23 13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	56,214.91		2,255.47
08 33 23 13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	57,266.12		2,300.58
08 33 23 13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	58,319.14		2,346.59
08 33 23 13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	59,374.01		2,393.53
08 33 23 13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	60,432.68		2,441.40
08 33 23 13-0706	20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) (08 33 23 13-0561)				
08 33 23 13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,625.03		2,067.27
08 33 23 13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	52,676.33		2,105.24
08 33 23 13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	53,722.39		2,144.59
08 33 23 13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	54,771.76		2,183.92
08 33 23 13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	55,819.76		2,223.26
08 33 23 13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	56,867.76		2,261.24
08 33 23 13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	57,907.43		2,300.58
08 33 23 13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	58,960.67		2,346.70
08 33 23 13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	60,015.26		2,394.18
08 33 23 13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	61,072.58		2,441.65
08 33 23 13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	62,131.23		2,490.49
08 33 23 13-0718	Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0560)				
08 33 23 13-0719	8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)				
08 33 23 13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	36,133.91		1,085.18
08 33 23 13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	36,928.12		1,108.24
08 33 23 13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	37,722.32		1,131.30
08 33 23 13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	38,512.95		1,154.36
08 33 23 13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	39,307.16		1,177.42
08 33 23 13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,101.37		1,200.47
08 33 23 13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,895.57		1,223.54
08 33 23 13-0727	9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)				
08 33 23 13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	36,928.12		1,108.24
08 33 23 13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	37,722.32		1,131.30
08 33 23 13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	38,512.95		1,154.36
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	39,307.16		1,177.42
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,101.37		1,200.47
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,895.57		1,223.54
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	41,689.78		1,246.60
08 33 23 13-0735	10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)				
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	37,722.32		1,131.30
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	38,512.95		1,154.36
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	39,307.16		1,177.42
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,101.37		1,200.47
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,895.57		1,223.54
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	41,689.78		1,246.60
08 33 23 13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	42,483.99		1,269.66
08 33 23 13-0743	11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)				
08 33 23 13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	38,512.95		1,154.36
08 33 23 13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	39,307.16		1,177.42
08 33 23 13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,101.37		1,200.47
08 33 23 13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	40,895.57		1,223.54
08 33 23 13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	41,689.78		1,246.60
08 33 23 13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	42,483.99		1,269.66
08 33 23 13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	50,751.89		1,292.72

08 Openings
08 30 Specialty Doors and Frames
08 33 Coiling Doors and Grilles

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0751	12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0752	EA 12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,307.16	1,177.42
08 33 23 13-0753	EA 12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,101.37	1,200.47
08 33 23 13-0754	EA 12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,895.57	1,223.54
08 33 23 13-0755	EA 12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,689.78	1,246.60
08 33 23 13-0756	EA 12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,483.99	1,269.66
08 33 23 13-0757	EA 12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,278.19	1,292.72
08 33 23 13-0758	EA 12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	51,546.11	1,315.78
08 33 23 13-0759	13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0760	EA 13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,101.37	1,200.47
08 33 23 13-0761	EA 13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,895.57	1,223.54
08 33 23 13-0762	EA 13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,689.78	1,246.60
08 33 23 13-0763	EA 13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,483.99	1,269.66
08 33 23 13-0764	EA 13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,278.19	1,292.72
08 33 23 13-0765	EA 13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,072.41	1,315.78
08 33 23 13-0766	EA 13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,340.32	1,338.84
08 33 23 13-0767	14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)		
08 33 23 13-0768	EA 14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,372.87	1,223.54
08 33 23 13-0769	EA 14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,167.07	1,246.60
08 33 23 13-0770	EA 14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,961.28	1,269.66
08 33 23 13-0771	EA 14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	50,751.89	1,292.72
08 33 23 13-0772	EA 14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	51,546.11	1,315.78
08 33 23 13-0773	EA 14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,340.32	1,338.84
08 33 23 13-0774	EA 14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,134.53	1,361.90
08 33 23 13-0775	Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0560)		
08 33 23 13-0776	8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0777	EA 8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,570.32	1,085.18
08 33 23 13-0778	EA 8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,364.53	1,108.24
08 33 23 13-0779	EA 8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,158.73	1,131.30
08 33 23 13-0780	EA 8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,951.15	1,154.36
08 33 23 13-0781	EA 8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,745.36	1,177.42
08 33 23 13-0782	EA 8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,525.56	1,194.38
08 33 23 13-0783	EA 8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,950.20	1,200.47
08 33 23 13-0784	9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0785	EA 9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,364.53	1,108.24
08 33 23 13-0786	EA 9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,158.73	1,131.30
08 33 23 13-0787	EA 9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,951.15	1,154.36
08 33 23 13-0788	EA 9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,745.36	1,177.42
08 33 23 13-0789	EA 9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,537.77	1,200.47
08 33 23 13-0790	EA 9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,314.34	1,214.73
08 33 23 13-0791	EA 9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,057.03	1,223.54
08 33 23 13-0792	10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0793	EA 10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,158.73	1,131.30
08 33 23 13-0794	EA 10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,951.15	1,154.36
08 33 23 13-0795	EA 10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,745.36	1,177.42
08 33 23 13-0796	EA 10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,537.77	1,200.47
08 33 23 13-0797	EA 10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,331.98	1,223.54
08 33 23 13-0798	EA 10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,113.98	1,240.49
08 33 23 13-0799	EA 10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,073.69	1,246.60
08 33 23 13-0800	11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0801	EA 11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,951.15	1,154.36
08 33 23 13-0802	EA 11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,745.36	1,177.42
08 33 23 13-0803	EA 11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,537.77	1,200.47
08 33 23 13-0804	EA 11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,331.98	1,223.54
08 33 23 13-0805	EA 11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,126.19	1,246.60
08 33 23 13-0806	EA 11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,908.19	1,263.55
08 33 23 13-0807	EA 11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,090.35	1,269.66

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0808		12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,745.36	1,177.42
08 33 23 13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,537.77	1,200.47
08 33 23 13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	38,331.98	1,223.54
08 33 23 13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	39,126.19	1,246.60
08 33 23 13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	39,920.40	1,269.66
08 33 23 13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	40,699.69	1,285.26
08 33 23 13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	44,107.00	1,292.72
08 33 23 13-0816		13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0817	EA	13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,537.77	1,200.47
08 33 23 13-0818	EA	13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	38,331.98	1,223.54
08 33 23 13-0819	EA	13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	39,126.19	1,246.60
08 33 23 13-0820	EA	13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	39,920.40	1,269.66
08 33 23 13-0821	EA	13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	40,714.60	1,292.72
08 33 23 13-0822	EA	13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	41,495.25	1,309.00
08 33 23 13-0823	EA	13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	45,123.68	1,315.78
08 33 23 13-0824		14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)		
08 33 23 13-0825	EA	14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	42,996.32	1,223.54
08 33 23 13-0826	EA	14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	44,012.98	1,246.60
08 33 23 13-0827	EA	14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	45,029.64	1,269.66
08 33 23 13-0828	EA	14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	46,044.50	1,292.72
08 33 23 13-0829	EA	14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	47,062.96	1,315.78
08 33 23 13-0830	EA	14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	48,067.41	1,332.73
08 33 23 13-0831	EA	14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	48,079.62	1,338.84
08 33 23 13-0832		Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0560)		
08 33 23 13-0833		8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0834	EA	8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,961.85	1,085.18
08 33 23 13-0835	EA	8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,970.91	1,108.24
08 33 23 13-0836	EA	8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,978.02	1,131.30
08 33 23 13-0837	EA	8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,985.14	1,154.36
08 33 23 13-0838	EA	8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,992.26	1,177.42
08 33 23 13-0839	EA	8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,601.68	1,200.47
08 33 23 13-0840	EA	8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	53,143.55	1,223.54
08 33 23 13-0841		9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0842	EA	9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,970.91	1,108.24
08 33 23 13-0843	EA	9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,978.02	1,131.30
08 33 23 13-0844	EA	9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,985.14	1,154.36
08 33 23 13-0845	EA	9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,527.01	1,177.42
08 33 23 13-0846	EA	9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,066.94	1,200.47
08 33 23 13-0847	EA	9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	52,608.80	1,223.54
08 33 23 13-0848	EA	9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	54,160.35	1,246.60
08 33 23 13-0849		10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0850	EA	10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,978.02	1,131.30
08 33 23 13-0851	EA	10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,985.14	1,154.36
08 33 23 13-0852	EA	10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,992.26	1,177.42
08 33 23 13-0853	EA	10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	50,534.13	1,200.47
08 33 23 13-0854	EA	10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	52,074.05	1,223.54
08 33 23 13-0855	EA	10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	53,615.92	1,246.60
08 33 23 13-0856	EA	10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	55,177.16	1,269.66
08 33 23 13-0857		11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)		
08 33 23 13-0858	EA	11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,985.14	1,154.36
08 33 23 13-0859	EA	11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,992.26	1,177.42
08 33 23 13-0860	EA	11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,999.38	1,200.47
08 33 23 13-0861	EA	11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,541.24	1,223.54
08 33 23 13-0862	EA	11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	53,083.11	1,246.60
08 33 23 13-0863	EA	11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	54,623.04	1,269.66
08 33 23 13-0864	EA	11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	56,192.02	1,292.72

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 23 13-0865		12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)			
08 33 23 13-0866	EA	12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,992.26		1,177.42
08 33 23 13-0867	EA	12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,999.38		1,200.47
08 33 23 13-0868	EA	12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,006.49		1,223.54
08 33 23 13-0869	EA	12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	52,548.36		1,246.60
08 33 23 13-0870	EA	12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	54,090.22		1,269.66
08 33 23 13-0871	EA	12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	55,630.14		1,292.72
08 33 23 13-0872	EA	12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	57,210.77		1,315.78
08 33 23 13-0873		13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)			
08 33 23 13-0874	EA	13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,999.38		1,200.47
08 33 23 13-0875	EA	13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,006.49		1,223.54
08 33 23 13-0876	EA	13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	52,013.61		1,246.60
08 33 23 13-0877	EA	13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	53,555.48		1,269.66
08 33 23 13-0878	EA	13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	55,097.33		1,292.72
08 33 23 13-0879	EA	13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	56,639.21		1,315.78
08 33 23 13-0880	EA	13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	58,227.57		1,338.84
08 33 23 13-0881		14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)			
08 33 23 13-0882	EA	14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,006.49		1,223.54
08 33 23 13-0883	EA	14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	52,013.61		1,246.60
08 33 23 13-0884	EA	14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	53,020.73		1,269.66
08 33 23 13-0885	EA	14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	54,562.58		1,292.72
08 33 23 13-0886	EA	14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	56,104.46		1,315.78
08 33 23 13-0887	EA	14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	57,646.32		1,338.84
08 33 23 13-0888	EA	14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	59,234.69		1,361.90
08 33 23 13-0889		Rytec® Spiral® Door Options (08 33 23 13-0560)			
08 33 23 13-0890	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	583.04		
		Note: Per door price.			
08 33 23 13-0891	EA	Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	394.67		
		Note: Maximum of 4 per door.			
08 33 23 13-0892	EA	>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	583.04		
		Note: Maximum of 4 per door.			
08 33 23 13-0893	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	394.67		
		Note: Maximum of 4 per door.			
08 33 23 13-0894	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	583.04		
		Note: Maximum of 4 per door.			
08 33 23 13-0895	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors.....	1,104.40		67.82
08 33 23 13-0896	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,177.54		135.65
08 33 23 13-0897	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	5,698.08		135.65
08 33 23 13-0898	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	6,478.46		135.65
08 33 23 13-0899	EA	Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors.....	678.12		
08 33 23 13-0900		Activation And Control Box Options For High Speed Doors (08 33 23 13)			
08 33 23 13-0901	EA	Pull Cord For High-Speed Rolling Doors.....	279.17		67.82
08 33 23 13-0902	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors.....	211.34		33.91
08 33 23 13-0903	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	265.16		33.91
08 33 23 13-0904	EA	On/Off Selector Switch, Remote Control For High-Speed Rolling Doors.....	184.43		33.91
08 33 23 13-0905	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors.....	283.10		33.91
08 33 23 13-0906	EA	Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors.....	462.49		33.91
08 33 23 13-0907	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	507.34		33.91
08 33 23 13-0908	EA	Radio Control For High-Speed Rolling Doors.....	786.51		61.05
		Note: Includes one receiver and two transmitters.			
08 33 23 13-0909	EA	Floor Loop For High-Speed Rolling Doors.....	1,057.80		
		Note: Excludes sealant.			
08 33 23 13-0910	EA	Reflective Type Photo Eye For High-Speed Rolling Doors.....	678.35		61.05
08 33 23 13-0911	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	885.18		61.05
08 33 23 13-0912	EA	Motion Detector For High-Speed Rolling Doors.....	763.10		40.69
08 33 23 13-0913	EA	Remote Warning Horn For High-Speed Rolling Doors.....	530.32		67.82
		Note: Includes wall box and mounting hardware.			
08 33 23 13-0914	EA	Remote Strobe Light For High-Speed Rolling Doors.....	718.69		67.82
		Note: Includes wall box and mounting hardware.			
08 33 23 13-0915	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors.....	817.36		67.82
		Note: Includes wall box and mounting hardware.			
08 33 23 13-0916	EA	Red And Green Red Light For High-Speed Rolling Doors.....	1,014.70		67.82
		Note: Includes mounting hardware.			
08 33 26		Overhead Coiling Grilles (08 33)			
		Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0997 for forklift.			
08 33 26 00-0001		Galvanized Steel Overhead Coiling Grilles (Width x Height) (08 33 26)			
08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,019.62		240.53
		For Lexan Lattice Pattern, Add	199.94		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	206.75		
		For Staggered Brick Pattern, Add	279.86		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,257.46	240.53	
		For Lexan Lattice Pattern, Add	235.62		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	310.12		
		For Staggered Brick Pattern, Add	379.02		
08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,728.38	300.66	
		For Lexan Lattice Pattern, Add	280.28		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	413.49		
		For Staggered Brick Pattern, Add	478.17		
08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,071.38	300.66	
		For Lexan Lattice Pattern, Add	331.73		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	436.11		
		For Staggered Brick Pattern, Add	676.48		
08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,294.16	481.06	
		For Lexan Lattice Pattern, Add	437.63		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	826.98		
		For Staggered Brick Pattern, Add	954.00		
08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,338.15	601.32	
		For Lexan Lattice Pattern, Add	543.53		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,033.73		
		For Staggered Brick Pattern, Add	1,231.50		
08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,694.19	721.57	
		For Lexan Lattice Pattern, Add	695.13		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,240.47		
		For Staggered Brick Pattern, Add	1,385.28		
08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,161.54	881.93	
		For Lexan Lattice Pattern, Add	847.47		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,436.75		
		For Staggered Brick Pattern, Add	1,510.83		
08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,192.01	240.53	
		For Lexan Lattice Pattern, Add	225.80		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	258.43		
		For Staggered Brick Pattern, Add	332.48		
08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,507.22	240.53	
		For Lexan Lattice Pattern, Add	273.08		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	387.63		
		For Staggered Brick Pattern, Add	472.14		
08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,004.39	300.66	
		For Lexan Lattice Pattern, Add	322.06		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	516.87		
		For Staggered Brick Pattern, Add	611.80		
08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,433.96	300.66	
		For Lexan Lattice Pattern, Add	386.50		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	775.30		
		For Staggered Brick Pattern, Add	891.12		
08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,771.59	481.06	
		For Lexan Lattice Pattern, Add	509.24		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,033.73		
		For Staggered Brick Pattern, Add	1,228.74		
08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,927.84	601.32	
		For Lexan Lattice Pattern, Add	631.98		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,292.15		
		For Staggered Brick Pattern, Add	1,566.34		
08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,406.66	721.57	
		For Lexan Lattice Pattern, Add	802.00		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,550.78		
		For Staggered Brick Pattern, Add	1,813.94		
08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,261.67	881.93	
		For Lexan Lattice Pattern, Add	1,012.49		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,815.74		
		For Staggered Brick Pattern, Add	2,032.03		
08 33 26 00-0018	EA	4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,389.42	240.53	
		For Lexan Lattice Pattern, Add	255.41		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	310.12		
		For Staggered Brick Pattern, Add	384.34		
08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,446.57	240.53	
		For Lexan Lattice Pattern, Add	263.99		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	465.17		
		For Staggered Brick Pattern, Add	563.70		
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,987.88	300.66	
		For Lexan Lattice Pattern, Add	319.20		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	620.22		
		For Staggered Brick Pattern, Add	743.07		
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,846.86	300.66	
		For Lexan Lattice Pattern, Add	448.05		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	930.32		
		For Staggered Brick Pattern, Add	1,101.81		
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,446.48	481.06	
		For Lexan Lattice Pattern, Add	610.48		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,240.46		
		For Staggered Brick Pattern, Add	1,531.84		
08 33 26 00-0023	EA	20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,867.31	601.32	
		For Lexan Lattice Pattern, Add	772.91		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,550.58		
		For Staggered Brick Pattern, Add	1,961.85		
08 33 26 00-0024	EA	24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,319.66	721.57	
		For Lexan Lattice Pattern, Add	938.95		
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,860.71		
		For Staggered Brick Pattern, Add	2,074.39		

08 Openings**08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 33 26 00-0025	EA	30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	10,348.61	881.93
		For Lexan Lattice Pattern, Add	1,175.53	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	2,156.28	
		For Staggered Brick Pattern, Add	2,260.07	
08 33 26 00-0026	EA	4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,742.51	240.53
		For Lexan Lattice Pattern, Add	308.38	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	361.67	
		For Staggered Brick Pattern, Add	710.87	
08 33 26 00-0027	EA	6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,128.01	240.53
		For Lexan Lattice Pattern, Add	366.20	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	542.61	
		For Staggered Brick Pattern, Add	872.86	
08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,688.39	300.66
		For Lexan Lattice Pattern, Add	424.66	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	723.54	
		For Staggered Brick Pattern, Add	1,016.38	
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,498.20	300.66
		For Lexan Lattice Pattern, Add	546.13	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,085.41	
		For Staggered Brick Pattern, Add	1,288.84	
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,119.85	481.06
		For Lexan Lattice Pattern, Add	711.48	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,447.22	
		For Staggered Brick Pattern, Add	1,724.23	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,560.15	601.32
		For Lexan Lattice Pattern, Add	876.83	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,809.01	
		For Staggered Brick Pattern, Add	2,159.62	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,039.00	721.57
		For Lexan Lattice Pattern, Add	1,046.85	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	2,170.82	
		For Staggered Brick Pattern, Add	2,449.26	
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	11,520.51	881.93
		For Lexan Lattice Pattern, Add	1,351.31	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	2,562.68	
		For Staggered Brick Pattern, Add	2,798.39	

08 33 26 00-0034 Coiling Grilles Accessories (08 33 26)

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports	107.28	
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08 33 36 Side Coiling Grilles (08 33)**08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) (08 33 36)**

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	3,509.43	672.56
		For Lexan Lattice Pattern, Add	238.15	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	620.24	
		For Staggered Brick Pattern, Add	676.48	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	4,799.58	863.94
		For Lexan Lattice Pattern, Add	349.67	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	951.38	
		For Staggered Brick Pattern, Add	1,083.50	
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	6,174.18	1,089.35
		For Lexan Lattice Pattern, Add	459.27	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,240.47	
		For Staggered Brick Pattern, Add	1,385.28	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	7,264.69	1,202.63
		For Lexan Lattice Pattern, Add	574.08	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,436.75	
		For Staggered Brick Pattern, Add	1,510.83	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	4,174.02	766.82
		For Lexan Lattice Pattern, Add	297.48	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	775.30	
		For Staggered Brick Pattern, Add	891.12	
08 33 36 00-0007	EA	18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	5,731.19	984.90
		For Lexan Lattice Pattern, Add	437.35	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,141.81	
		For Staggered Brick Pattern, Add	1,353.15	
08 33 36 00-0008	EA	24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	7,305.85	1,241.46
		For Lexan Lattice Pattern, Add	563.65	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,550.78	
		For Staggered Brick Pattern, Add	1,813.94	
08 33 36 00-0009	EA	30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	8,715.90	1,371.00
		For Lexan Lattice Pattern, Add	717.40	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,815.74	
		For Staggered Brick Pattern, Add	2,032.03	
08 33 36 00-0010	EA	12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	4,848.99	863.94
		For Lexan Lattice Pattern, Add	357.08	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	930.32	
		For Staggered Brick Pattern, Add	1,101.81	
08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	6,674.79	1,109.63
		For Lexan Lattice Pattern, Add	523.98	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,373.63	
		For Staggered Brick Pattern, Add	1,679.97	
08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	8,569.64	1,399.06
		For Lexan Lattice Pattern, Add	688.90	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	1,860.71	
		For Staggered Brick Pattern, Add	2,074.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 36 00-0013	EA		30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	10,152.87 861.13 2,156.28 2,260.07	1,543.38
08 33 36 00-0014	EA		12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,510.50 417.52 1,085.41 1,288.84	955.23
08 33 36 00-0015	EA		18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	7,612.81 611.66 1,569.90 1,866.57	1,226.69
08 33 36 00-0016	EA		24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	9,763.37 803.72 2,170.82 2,449.26	1,546.58
08 33 36 00-0017	EA		30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	11,572.20 1,004.13 2,562.68 2,798.39	1,707.73

08 33 43 Overhead Coiling Smoke Curtains (08 33)

08 33 43 00-0001			Elevator Smoke Guard (08 33 43)		
08 33 43 00-0002	EA		Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400).....	15,620.88	672.56
08 33 43 00-0003	EA		Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400).....	16,200.80	672.56
08 33 43 00-0004	EA		Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400).....	16,780.73	672.56

08 34 Special Function Doors (08 30)

08 34 13 Cold Storage Doors (08 34)

08 34 13 00-0001			Vertical Sliding Cold Storage Doors (08 34 13) Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0002	EA		7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane For Adjusting Height Of Door To Fit Opening <7' Height, Add	7,416.86 510.09	1,022.16
08 34 13 00-0003	EA		7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane For Adjusting Height Of Door To Fit Opening <7' Height, Add	9,511.95 648.83	1,297.66

08 34 13 00-0004 Horizontal Sliding Cold Storage Doors (08 34 13)

			Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0005	EA		6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,956.79	816.36
08 34 13 00-0006	EA		7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,714.12	920.55
08 34 13 00-0007	EA		7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	8,683.55	1,213.17
08 34 13 00-0008	EA		5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,200.20	741.73

08 34 13 00-0009 Swinging Horizontal Hinged Cold Storage Doors (08 34 13)

			Note: Doors to be filled with foamed-in-place polyurethane.		
08 34 13 00-0010	EA		3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane.....	3,000.45	482.47

08 34 16 Hangar Doors (08 34)

08 34 16 00-0001			Bi-Parting Horizontal Rolling And Sliding Steel Hanger Door (08 34 16) Note: Includes electrical motorized drive system, fail-safe safety edge, LED warning device, push button control device, hot rolled or cold formed structural steel frame with overhead track and ground rails, bottom rollers, and special hardware. The operator power supplied through a drape wire system where the cable is draped from leaf to leaf.		
08 34 16 00-0002	SF		70' To 120' Wide X To 20' High, 25' Panels, Sliding Hangar Door..... Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware. For Unidirectional Door Type, Add For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	82.03 8.20 15.99 10.63 27.51	19.14
08 34 16 00-0003	SF		120' To 180' Wide X To 20' High, 25' Panels, Sliding Hangar Door..... Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware. For Unidirectional Door Type, Add For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	71.03 7.10 15.99 10.63 27.51	19.14
08 34 16 00-0004	SF		120' To 180' Wide X 20-40' High, 25' Panels, Sliding Hangar Door..... Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware. For Unidirectional Door Type, Add For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	71.31 7.13 15.99 10.63 27.51	4.10
08 34 16 00-0005	SF		120' To 180' Wide X 40-60' High, 25' Panels, Sliding Hangar Door..... Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware. For Unidirectional Door Type, Add For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing For 3/4" Insulated Glazing Panels, Add Per SF of Glazing	76.37 7.64 15.99 10.63 27.51	2.74

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 34 16 00-0006	SF	120' To 180' Wide X 60-80' High, 25' Panels, Sliding Hangar Door	81.12	2.74
Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.				
<i>For Unidirectional Door Type, Add</i>			8.11	
<i>For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing</i>			15.99	
<i>For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing</i>			10.63	
<i>For 3/4" Insulated Glazing Panels, Add Per SF of Glazing</i>			27.51	
08 34 16 00-0007	SF	150' To 200' Wide x >80' High, 25' Panels, Sliding Hangar Door	81.95	2.74
Note: Includes motorized opener, structural framed door openings with overhead track and ground rails, and special hardware.				
<i>For Unidirectional Door Type, Add</i>			8.20	
<i>For 1/8" Double Strength Glass (DSB) Glazing Panels, Add Per SF of Glazing</i>			15.99	
<i>For 1/8" Plexiglas Glazing Panels, Add Per SF of Glazing</i>			10.63	
<i>For 3/4" Insulated Glazing Panels, Add Per SF of Glazing</i>			27.51	

08 34 23 Sidewalk and Basement Doors (08 34)**08 34 23 00-0001 Drainage Doors (08 34 23)****08 34 23 00-0002 Single Leaf Aluminum Drainage Doors (08 34 23 00-0001)**

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,293.02	241.59
08 34 23 00-0004	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,575.27	252.44
08 34 23 00-0005	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,669.41	257.86
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,834.01	263.29
08 34 23 00-0007	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,128.11	276.86
08 34 23 00-0008	EA	2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,165.57	270.48
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,401.88	276.86
08 34 23 00-0010	EA	2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,505.27	283.24
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,741.62	289.61
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,172.79	305.88

08 34 23 00-0013 Double Leaf Aluminum Drainage Doors (08 34 23 00-0001)

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,556.68	270.48
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,686.86	289.61
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,392.76	322.17
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,486.63	322.17

08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)

Note: Bilco - J H2O Series.

08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,020.48	241.59
08 34 23 00-0020	EA	2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,349.66	252.44
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,553.35	257.86
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,882.22	263.29
08 34 23 00-0023	EA	3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,324.95	276.86

08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors (08 34 23 00-0001)

Note: Bilco - JD H2O Series.

08 34 23 00-0025	EA	4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,323.24	270.48
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,423.37	289.61
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,263.47	322.17
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	5,903.66	322.17

08 34 23 00-0029 Single Leaf Steel Drainage Doors (08 34 23 00-0001)

Note: Bilco - J Series.

08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	1,979.73	241.59
08 34 23 00-0031	EA	2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,079.90	252.44
08 34 23 00-0032	EA	3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,315.65	257.86
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,563.44	263.29
08 34 23 00-0034	EA	3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,979.16	276.86
08 34 23 00-0035	EA	2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,837.90	270.48
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,230.78	276.86
08 34 23 00-0037	EA	2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,216.34	283.24
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,585.30	289.61
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,825.39	305.88

08 34 23 00-0040 Double Leaf Steel Drainage Doors (08 34 23 00-0001)

Note: Bilco - JD Series.

08 34 23 00-0041	EA	4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,484.91	270.48
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,657.19	289.61
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,556.74	322.17
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,688.53	322.17

08 34 23 00-0045 Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001)

Note: Bilco - J H2O Series.

08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,369.61	241.59
08 34 23 00-0047	EA	2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,565.64	252.44
08 34 23 00-0048	EA	3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,693.59	257.86
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,348.77	263.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0050	EA		3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	5,123.96	276.86
08 34 23 00-0051			Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA		4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	5,641.62	270.48
08 34 23 00-0053	EA		4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	6,305.16	289.61
08 34 23 00-0054	EA		4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	9,361.42	322.17
08 34 23 00-0055	EA		5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	9,121.78	322.17
08 34 23 00-0056			Single Leaf Aluminum Drainage Door (08 34 23 00-0001) Note: Bilco - J-R Series (Odor Resistant).		
08 34 23 00-0057	EA		2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	3,135.92	241.59
08 34 23 00-0058	EA		2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	3,762.17	252.44
08 34 23 00-0059	EA		3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	4,001.78	257.86
08 34 23 00-0060	EA		3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	4,245.90	263.29
08 34 23 00-0061	EA		3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	4,827.21	276.86
08 34 23 00-0062			Non-Drainage Doors (08 34 23)		
08 34 23 00-0063			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - Q Series.		
08 34 23 00-0064	EA		2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,246.20	241.59
08 34 23 00-0065	EA		2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,497.05	252.44
08 34 23 00-0066	EA		3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,599.11	257.86
08 34 23 00-0067	EA		3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,661.97	263.29
08 34 23 00-0068	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,073.36	276.86
08 34 23 00-0069	EA		2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,876.19	270.48
08 34 23 00-0070	EA		3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,089.00	276.86
08 34 23 00-0071	EA		2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,333.02	283.24
08 34 23 00-0072	EA		3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,467.96	289.61
08 34 23 00-0073	EA		3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,797.70	305.88
08 34 23 00-0074			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - K Series.		
08 34 23 00-0075	EA		2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,035.00	241.59
08 34 23 00-0076	EA		2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,231.10	252.44
08 34 23 00-0077	EA		3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,356.62	257.86
08 34 23 00-0078	EA		3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,442.95	263.29
08 34 23 00-0079	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,666.61	276.86
08 34 23 00-0080			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - QD Series.		
08 34 23 00-0081	EA		4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,361.16	270.48
08 34 23 00-0082			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - KD Series.		
08 34 23 00-0083	EA		4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,272.40	289.61
08 34 23 00-0084	EA		4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	3,166.06	322.17
08 34 23 00-0085	EA		5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	3,228.64	322.17
08 34 23 00-0086			Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - T Series.		
08 34 23 00-0087	EA		2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,128.87	241.59
08 34 23 00-0088	EA		2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,309.32	252.44
08 34 23 00-0089	EA		3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,395.73	257.86
08 34 23 00-0090	EA		3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,521.17	263.29
08 34 23 00-0091	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,768.29	276.86
08 34 23 00-0092			Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - TD Series.		
08 34 23 00-0093	EA		4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	2,405.38	289.61
08 34 23 00-0094	EA		4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	3,330.32	322.17
08 34 23 00-0095	EA		5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	3,377.26	322.17
08 34 23 00-0096			Single Leaf Steel Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - Q Series.		
08 34 23 00-0097	EA		2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,356.79	241.59
08 34 23 00-0098	EA		2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,516.76	252.44
08 34 23 00-0099	EA		3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,704.67	257.86
08 34 23 00-0100	EA		3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door.....	1,808.64	263.29
08 34 23 00-0101			Double Leaf Steel Non-Drainage Doors (08 34 23 00-0062) Note: Bilco - QD Series.		
08 34 23 00-0102	EA		4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,730.06	270.48

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 34 23 00-0103		Basement Doors (08 34 23)		
		Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0104	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal	1,867.16	305.21
08 34 23 00-0105	EA	30" High x 47" Wide x 58" Long, Basement Door	1,552.90	231.28
08 34 23 00-0106	EA	22" High x 51" Wide x 64" Long, Basement Door	1,615.81	254.34
08 34 23 00-0107	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door	1,726.45	271.30
08 34 23 00-0108	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door	1,911.66	305.21

08 34 49 Radiation Shielding Doors and Frames (08 34)**08 34 49 13 Neutron Shielding Doors and Frames** (08 34 49)

08 34 49 13-0001		Lead Lined Doors And Frames (08 34 49 13)		
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door	137.82	13.57
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door	169.00	13.57
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame	149.38	13.57
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame	159.77	13.57

08 34 53 Security Doors and Frames (08 34)

08 34 53 00-0001		Metal Security Doors, Bullet Resistant (08 34 53)		
		Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
08 34 53 00-0002	SF	Metal Security Door	80.88	9.40
08 34 53 00-0003	EA	Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	3,314.43	469.02
08 34 53 00-0004	EA	Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door	3,931.72	497.89

08 34 53 00-0005		Metal Security Doors (08 34 53)		
		Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0006	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	1,130.31	85.90
		Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
08 34 53 00-0007	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	1,130.31	85.90
		Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
08 34 53 00-0008	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	1,609.58	85.90
		Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		

08 34 56 Security Gates (08 34)

08 34 56 00-0001		Pivoting Double Folding Gate (08 34 56)		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,307.26	258.23
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,467.66	290.51
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,580.15	322.79
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,740.53	355.06
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,481.27	261.46
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,594.03	293.74
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,747.89	326.02
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,867.55	358.29
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,559.59	264.68
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,671.99	296.96
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,764.28	313.10
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,856.92	329.25
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,981.41	361.52
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,709.95	267.91
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,821.98	300.19
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,926.17	316.33
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	2,055.42	332.47
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	2,239.16	364.74
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,938.72	274.36
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	2,081.02	309.87
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	2,239.50	329.25
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	2,332.13	338.93

08 34 56 00-0024		Pivoting Single Folding Gate (08 34 56)		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	888.73	180.76
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	949.56	187.21
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	1,010.40	193.67
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,084.18	206.59
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,133.95	219.49
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	949.37	187.21
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,010.49	193.67
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	1,071.33	200.13
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,145.02	213.04
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,195.11	225.95
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	1,034.16	193.67
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,095.29	200.13
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	1,156.04	206.59
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	1,229.96	219.49
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	1,304.00	232.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 34 56 00-0040		Window Gates, Expands From 2' To 4' (08 34 56)			
Note: Includes padlock hasp and galvanized finish. Excludes padlock.					
08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening.....	360.78	71.02	
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening.....	373.70	77.47	
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening.....	373.70	77.47	
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening.....	387.55	83.92	
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening.....	387.55	83.92	
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening.....	400.46	90.38	
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening.....	400.47	90.38	
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening.....	413.36	96.83	
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening.....	413.36	96.83	
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening.....	426.29	103.29	
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening.....	426.29	103.29	

08 34 56 00-0052		Pivoting Door Gate, Expands From 2' To 4' (08 34 56)			
Note: Includes padlock hasp and galvanized finish. Excludes padlock.					
08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening.....	439.20		109.75
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening.....	442.12		109.75
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening.....	458.90		116.21
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening.....	475.71		122.66
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening.....	479.59		122.66
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening.....	496.38		129.11
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening.....	500.26		129.11
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening.....	515.85		135.57
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening.....	520.93		135.57

08 34 73 Sound Control Door Assemblies (08 34)

08 34 73 13 Metal Sound Control Door Assemblies (08 34 73)

08 34 73 13-0001		Steel Acoustical Door Assembly (08 34 73 13)			
Note: Includes seal.					
08 34 73 13-0002		Steel Acoustical Doors (08 34 73 13-0001)			
Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc. See CSI section 08 71 11 00-2103 for exit devices (panic bar).					
08 34 73 13-0003	EA	3' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	4,472.44		244.16
Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.					
For Accent Window Vision Lite, Add			1,569.74		
For Half Window Vision Lite, Add			1,624.77		
For Full Window Vision Lite, Add			1,679.79		
For 8' Height, Add			532.94		
For 45 Minutes Fire Rated, Add			224.40		
For 60 Minutes Fire Rated, Add			336.60		
For 90 Minutes Fire Rated, Add			560.99		
For 120 Minutes Fire Rated, Add			785.39		
For 45 STC Rating, Deduct			-938.73		
For 48 STC Rating, Deduct			-673.19		
For 52 STC Rating, Add			523.59		
For 55 STC Rating, Add			1,421.18		
08 34 73 13-0004	EA	3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	4,728.87		254.34
Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.					
For Accent Window Vision Lite, Add			1,569.74		
For Half Window Vision Lite, Add			1,624.77		
For Full Window Vision Lite, Add			1,679.79		
For 8' Height, Add			565.14		
For 45 Minutes Fire Rated, Add			237.95		
For 60 Minutes Fire Rated, Add			356.93		
For 90 Minutes Fire Rated, Add			594.88		
For 120 Minutes Fire Rated, Add			832.83		
For 45 STC Rating, Deduct			-995.43		
For 48 STC Rating, Deduct			-713.85		
For 52 STC Rating, Add			555.22		
For 55 STC Rating, Add			1,507.03		
08 34 73 13-0005	EA	4' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,015.82		274.69
Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.					
For Accent Window Vision Lite, Add			1,569.74		
For Half Window Vision Lite, Add			1,624.77		
For Full Window Vision Lite, Add			1,679.79		
For 8' Height, Add			597.33		
For 45 Minutes Fire Rated, Add			251.51		
For 60 Minutes Fire Rated, Add			377.26		
For 90 Minutes Fire Rated, Add			628.76		
For 120 Minutes Fire Rated, Add			880.27		
For 45 STC Rating, Deduct			-1,052.13		
For 48 STC Rating, Deduct			-754.52		
For 52 STC Rating, Add			586.85		
For 55 STC Rating, Add			1,592.87		

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 34 73 13-0006	PR	Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors (Unrated)	8,871.65	463.91
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	3,139.48	
		For Pair Half Window Vision Lites, Add	3,249.53	
		For Pair Full Window Vision Lites, Add	3,359.59	
		For 8' Height, Add	1,065.89	
		For 45 Minutes Fire Rated, Add	448.79	
		For 60 Minutes Fire Rated, Add	673.19	
		For 90 Minutes Fire Rated, Add	1,121.99	
		For 120 Minutes Fire Rated, Add	1,570.78	
		For 45 STC Rating, Deduct	-1,877.46	
		For 48 STC Rating, Deduct	-1,346.38	
		For 52 STC Rating, Add	1,047.19	
		For 55 STC Rating, Add	2,842.37	
08 34 73 13-0007	PR	Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	9,335.66	467.98
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	3,139.48	
		For Pair Half Window Vision Lites, Add	3,249.53	
		For Pair Full Window Vision Lites, Add	3,359.59	
		For 8' Height, Add	1,130.27	
		For 45 Minutes Fire Rated, Add	475.90	
		For 60 Minutes Fire Rated, Add	713.85	
		For 90 Minutes Fire Rated, Add	1,189.76	
		For 120 Minutes Fire Rated, Add	1,665.66	
		For 45 STC Rating, Deduct	-1,990.86	
		For 48 STC Rating, Deduct	-1,427.71	
		For 52 STC Rating, Add	1,110.44	
		For 55 STC Rating, Add	3,014.05	
08 34 73 13-0008	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	5,013.97	153.28
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	1,569.74	
		For Half Window Vision Lite, Add	1,624.77	
		For Full Window Vision Lite, Add	1,679.79	
		For 8' Height, Add	604.89	
		For 45 Minutes Fire Rated, Add	254.69	
		For 60 Minutes Fire Rated, Add	382.04	
		For 90 Minutes Fire Rated, Add	636.73	
		For 120 Minutes Fire Rated, Add	891.42	
		For 45 STC Rating, Deduct	-1,065.46	
		For 48 STC Rating, Deduct	-764.07	
		For 52 STC Rating, Add	594.28	
		For 55 STC Rating, Add	1,613.04	
08 34 73 13-0009	EA	3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated)	5,301.57	267.22
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	1,569.74	
		For Half Window Vision Lite, Add	1,624.77	
		For Full Window Vision Lite, Add	1,679.79	
		For 8' Height, Add	641.43	
		For 45 Minutes Fire Rated, Add	270.08	
		For 60 Minutes Fire Rated, Add	405.11	
		For 90 Minutes Fire Rated, Add	675.19	
		For 120 Minutes Fire Rated, Add	945.26	
		For 45 STC Rating, Deduct	-1,129.81	
		For 48 STC Rating, Deduct	-810.23	
		For 52 STC Rating, Add	630.18	
		For 55 STC Rating, Add	1,710.48	
08 34 73 13-0010	EA	4' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	5,623.08	288.93
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	1,569.74	
		For Half Window Vision Lite, Add	1,624.77	
		For Full Window Vision Lite, Add	1,679.79	
		For 8' Height, Add	677.97	
		For 45 Minutes Fire Rated, Add	285.46	
		For 60 Minutes Fire Rated, Add	428.19	
		For 90 Minutes Fire Rated, Add	713.65	
		For 120 Minutes Fire Rated, Add	999.11	
		For 45 STC Rating, Deduct	-1,194.17	
		For 48 STC Rating, Deduct	-856.38	
		For 52 STC Rating, Add	666.07	
		For 55 STC Rating, Add	1,807.91	
08 34 73 13-0011	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated)	9,445.72	486.97
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	3,139.48	
		For Pair Half Window Vision Lites, Add	3,249.53	
		For Pair Full Window Vision Lites, Add	3,359.59	
		For 8' Height, Add	1,137.83	
		For 45 Minutes Fire Rated, Add	479.09	
		For 60 Minutes Fire Rated, Add	718.63	
		For 90 Minutes Fire Rated, Add	1,197.72	
		For 120 Minutes Fire Rated, Add	1,676.81	
		For 45 STC Rating, Deduct	-2,004.18	
		For 48 STC Rating, Deduct	-1,437.26	
		For 52 STC Rating, Add	1,117.87	
		For 55 STC Rating, Add	3,034.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0012	PR		Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	9,941.59	491.04
			Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
			For Pair Accent Window Vision Lites, Add	3,139.48	
			For Pair Half Window Vision Lites, Add	3,249.53	
			For Pair Full Window Vision Lites, Add	3,359.59	
			For 8' Height, Add	1,206.56	
			For 45 Minutes Fire Rated, Add	508.03	
			For 60 Minutes Fire Rated, Add	762.04	
			For 90 Minutes Fire Rated, Add	1,270.07	
			For 120 Minutes Fire Rated, Add	1,778.09	
			For 45 STC Rating, Deduct	-2,125.24	
			For 48 STC Rating, Deduct	-1,524.08	
			For 52 STC Rating, Add	1,185.39	
			For 55 STC Rating, Add	3,217.50	
08 34 73 13-0013 Steel Acoustical Door Frames (08 34 73 13-0001)					
			Note: Includes threshold and rating up to STC 55.		
08 34 73 13-0014	EA		3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,180.44	135.65
			For 8' Height, Add	303.35	
			For 45 Minutes Fire Rated, Add	184.65	
			For 60 Minutes Fire Rated, Add	316.54	
			For 90 Minutes Fire Rated, Add	448.43	
			For 120 Minutes Fire Rated, Add	633.08	
08 34 73 13-0015	EA		3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,255.17	135.65
			For 8' Height, Add	311.95	
			For 45 Minutes Fire Rated, Add	189.88	
			For 60 Minutes Fire Rated, Add	325.51	
			For 90 Minutes Fire Rated, Add	461.14	
			For 120 Minutes Fire Rated, Add	651.02	
08 34 73 13-0016	EA		3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,329.89	135.65
			For 8' Height, Add	320.54	
			For 45 Minutes Fire Rated, Add	195.11	
			For 60 Minutes Fire Rated, Add	334.48	
			For 90 Minutes Fire Rated, Add	473.84	
			For 120 Minutes Fire Rated, Add	668.95	
08 34 73 13-0017	EA		3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,404.61	135.65
			For 8' Height, Add	329.13	
			For 45 Minutes Fire Rated, Add	200.34	
			For 60 Minutes Fire Rated, Add	343.44	
			For 90 Minutes Fire Rated, Add	486.54	
			For 120 Minutes Fire Rated, Add	686.88	
08 34 73 13-0018	EA		3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,623.95	149.22
			For 8' Height, Add	348.12	
			For 45 Minutes Fire Rated, Add	211.90	
			For 60 Minutes Fire Rated, Add	363.25	
			For 90 Minutes Fire Rated, Add	514.61	
			For 120 Minutes Fire Rated, Add	726.50	
08 34 73 13-0019	EA		3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,707.36	149.22
			For 8' Height, Add	357.71	
			For 45 Minutes Fire Rated, Add	217.74	
			For 60 Minutes Fire Rated, Add	373.26	
			For 90 Minutes Fire Rated, Add	528.79	
			For 120 Minutes Fire Rated, Add	746.52	
08 34 73 13-0020	EA		3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,782.09	149.22
			For 8' Height, Add	366.30	
			For 45 Minutes Fire Rated, Add	222.97	
			For 60 Minutes Fire Rated, Add	382.23	
			For 90 Minutes Fire Rated, Add	541.49	
			For 120 Minutes Fire Rated, Add	764.46	
08 34 73 13-0021	EA		3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,874.76	149.22
			For 8' Height, Add	376.96	
			For 45 Minutes Fire Rated, Add	229.45	
			For 60 Minutes Fire Rated, Add	393.35	
			For 90 Minutes Fire Rated, Add	557.24	
			For 120 Minutes Fire Rated, Add	786.70	
08 34 73 13-0022	EA		4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,059.45	155.99
			For 8' Height, Add	395.08	
			For 45 Minutes Fire Rated, Add	240.48	
			For 60 Minutes Fire Rated, Add	412.26	
			For 90 Minutes Fire Rated, Add	584.03	
			For 120 Minutes Fire Rated, Add	824.51	
08 34 73 13-0023	EA		4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,134.17	155.99
			For 8' Height, Add	403.67	
			For 45 Minutes Fire Rated, Add	245.71	
			For 60 Minutes Fire Rated, Add	421.22	
			For 90 Minutes Fire Rated, Add	596.73	
			For 120 Minutes Fire Rated, Add	842.45	
08 34 73 13-0024	EA		4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,208.89	155.99
			For 8' Height, Add	412.26	
			For 45 Minutes Fire Rated, Add	250.94	
			For 60 Minutes Fire Rated, Add	430.19	
			For 90 Minutes Fire Rated, Add	609.43	
			For 120 Minutes Fire Rated, Add	860.38	
08 34 73 13-0025	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,292.30	155.99
			For 8' Height, Add	421.86	
			For 45 Minutes Fire Rated, Add	256.78	
			For 60 Minutes Fire Rated, Add	440.20	
			For 90 Minutes Fire Rated, Add	623.61	
			For 120 Minutes Fire Rated, Add	880.40	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

UNIT COST

DEMOLITION

UNIT COST

08 34 73 13-0026	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	6,957.68	176.34
		For 8' Height, Add	719.02	
		For 45 Minutes Fire Rated, Add	437.66	
		For 60 Minutes Fire Rated, Add	750.28	
		For 90 Minutes Fire Rated, Add	1,062.89	
		For 120 Minutes Fire Rated, Add	1,500.55	
08 34 73 13-0027	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,028.92	176.34
		For 8' Height, Add	727.21	
		For 45 Minutes Fire Rated, Add	442.65	
		For 60 Minutes Fire Rated, Add	758.83	
		For 90 Minutes Fire Rated, Add	1,075.00	
		For 120 Minutes Fire Rated, Add	1,517.65	
08 34 73 13-0028	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,105.38	176.34
		For 8' Height, Add	736.00	
		For 45 Minutes Fire Rated, Add	448.00	
		For 60 Minutes Fire Rated, Add	768.00	
		For 90 Minutes Fire Rated, Add	1,088.00	
		For 120 Minutes Fire Rated, Add	1,536.00	
08 34 73 13-0029	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,183.58	176.34
		For 8' Height, Add	744.99	
		For 45 Minutes Fire Rated, Add	453.47	
		For 60 Minutes Fire Rated, Add	777.39	
		For 90 Minutes Fire Rated, Add	1,101.30	
		For 120 Minutes Fire Rated, Add	1,554.77	
08 34 73 13-0030	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,453.72	183.13
		For 8' Height, Add	772.94	
		For 45 Minutes Fire Rated, Add	470.49	
		For 60 Minutes Fire Rated, Add	806.55	
		For 90 Minutes Fire Rated, Add	1,142.61	
		For 120 Minutes Fire Rated, Add	1,613.10	
08 34 73 13-0031	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,530.31	183.13
		For 8' Height, Add	781.75	
		For 45 Minutes Fire Rated, Add	475.85	
		For 60 Minutes Fire Rated, Add	815.74	
		For 90 Minutes Fire Rated, Add	1,155.63	
		For 120 Minutes Fire Rated, Add	1,631.48	
08 34 73 13-0032	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,612.50	183.13
		For 8' Height, Add	791.20	
		For 45 Minutes Fire Rated, Add	481.60	
		For 60 Minutes Fire Rated, Add	825.60	
		For 90 Minutes Fire Rated, Add	1,169.60	
		For 120 Minutes Fire Rated, Add	1,651.20	
08 34 73 13-0033	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,696.57	183.13
		For 8' Height, Add	800.87	
		For 45 Minutes Fire Rated, Add	487.49	
		For 60 Minutes Fire Rated, Add	835.69	
		For 90 Minutes Fire Rated, Add	1,183.89	
		For 120 Minutes Fire Rated, Add	1,671.38	
08 34 73 13-0034	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,473.54	135.65
		For 8' Height, Add	337.06	
		For 45 Minutes Fire Rated, Add	205.17	
		For 60 Minutes Fire Rated, Add	351.71	
		For 90 Minutes Fire Rated, Add	498.26	
		For 120 Minutes Fire Rated, Add	703.43	
08 34 73 13-0035	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,556.56	135.65
		For 8' Height, Add	346.61	
		For 45 Minutes Fire Rated, Add	210.98	
		For 60 Minutes Fire Rated, Add	361.68	
		For 90 Minutes Fire Rated, Add	512.37	
		For 120 Minutes Fire Rated, Add	723.35	
08 34 73 13-0036	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,639.59	135.65
		For 8' Height, Add	356.16	
		For 45 Minutes Fire Rated, Add	216.79	
		For 60 Minutes Fire Rated, Add	371.64	
		For 90 Minutes Fire Rated, Add	526.49	
		For 120 Minutes Fire Rated, Add	743.28	
08 34 73 13-0037	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,722.61	135.65
		For 8' Height, Add	365.70	
		For 45 Minutes Fire Rated, Add	222.60	
		For 60 Minutes Fire Rated, Add	381.60	
		For 90 Minutes Fire Rated, Add	540.60	
		For 120 Minutes Fire Rated, Add	763.20	
08 34 73 13-0038	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,960.30	149.22
		For 8' Height, Add	386.80	
		For 45 Minutes Fire Rated, Add	235.44	
		For 60 Minutes Fire Rated, Add	403.61	
		For 90 Minutes Fire Rated, Add	571.79	
		For 120 Minutes Fire Rated, Add	807.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0039	EA		3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,052.98	149.22
			For 8' Height, Add	397.45	
			For 45 Minutes Fire Rated, Add	241.93	
			For 60 Minutes Fire Rated, Add	414.74	
			For 90 Minutes Fire Rated, Add	587.54	
			For 120 Minutes Fire Rated, Add	829.47	
08 34 73 13-0040	EA		3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,136.00	149.22
			For 8' Height, Add	407.00	
			For 45 Minutes Fire Rated, Add	247.74	
			For 60 Minutes Fire Rated, Add	424.70	
			For 90 Minutes Fire Rated, Add	601.66	
			For 120 Minutes Fire Rated, Add	849.40	
08 34 73 13-0041	EA		3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,238.98	149.22
			For 8' Height, Add	418.84	
			For 45 Minutes Fire Rated, Add	254.95	
			For 60 Minutes Fire Rated, Add	437.06	
			For 90 Minutes Fire Rated, Add	619.16	
			For 120 Minutes Fire Rated, Add	874.11	
08 34 73 13-0042	EA		4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,441.17	155.99
			For 8' Height, Add	438.98	
			For 45 Minutes Fire Rated, Add	267.20	
			For 60 Minutes Fire Rated, Add	458.06	
			For 90 Minutes Fire Rated, Add	648.92	
			For 120 Minutes Fire Rated, Add	916.13	
08 34 73 13-0043	EA		4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,524.19	155.99
			For 8' Height, Add	448.52	
			For 45 Minutes Fire Rated, Add	273.01	
			For 60 Minutes Fire Rated, Add	468.03	
			For 90 Minutes Fire Rated, Add	663.04	
			For 120 Minutes Fire Rated, Add	936.05	
08 34 73 13-0044	EA		4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,607.21	155.99
			For 8' Height, Add	458.07	
			For 45 Minutes Fire Rated, Add	278.83	
			For 60 Minutes Fire Rated, Add	477.99	
			For 90 Minutes Fire Rated, Add	677.15	
			For 120 Minutes Fire Rated, Add	955.98	
08 34 73 13-0045	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,699.89	155.99
			For 8' Height, Add	468.73	
			For 45 Minutes Fire Rated, Add	285.31	
			For 60 Minutes Fire Rated, Add	489.11	
			For 90 Minutes Fire Rated, Add	692.90	
			For 120 Minutes Fire Rated, Add	978.22	
08 34 73 13-0046	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,652.38	176.34
			For 8' Height, Add	798.91	
			For 45 Minutes Fire Rated, Add	486.29	
			For 60 Minutes Fire Rated, Add	833.64	
			For 90 Minutes Fire Rated, Add	1,180.99	
			For 120 Minutes Fire Rated, Add	1,667.28	
08 34 73 13-0047	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,731.54	176.34
			For 8' Height, Add	808.01	
			For 45 Minutes Fire Rated, Add	491.63	
			For 60 Minutes Fire Rated, Add	843.14	
			For 90 Minutes Fire Rated, Add	1,194.45	
			For 120 Minutes Fire Rated, Add	1,686.28	
08 34 73 13-0048	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,816.50	176.34
			For 8' Height, Add	817.78	
			For 45 Minutes Fire Rated, Add	497.78	
			For 60 Minutes Fire Rated, Add	853.34	
			For 90 Minutes Fire Rated, Add	1,208.89	
			For 120 Minutes Fire Rated, Add	1,706.67	
08 34 73 13-0049	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,903.38	176.34
			For 8' Height, Add	827.77	
			For 45 Minutes Fire Rated, Add	503.86	
			For 60 Minutes Fire Rated, Add	863.76	
			For 90 Minutes Fire Rated, Add	1,223.66	
			For 120 Minutes Fire Rated, Add	1,727.52	
08 34 73 13-0050	EA		7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,200.52	183.13
			For 8' Height, Add	858.82	
			For 45 Minutes Fire Rated, Add	522.76	
			For 60 Minutes Fire Rated, Add	896.16	
			For 90 Minutes Fire Rated, Add	1,269.57	
			For 120 Minutes Fire Rated, Add	1,792.33	
08 34 73 13-0051	EA		7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,285.62	183.13
			For 8' Height, Add	868.61	
			For 45 Minutes Fire Rated, Add	528.72	
			For 60 Minutes Fire Rated, Add	906.38	
			For 90 Minutes Fire Rated, Add	1,284.03	
			For 120 Minutes Fire Rated, Add	1,812.75	
08 34 73 13-0052	EA		7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,376.95	183.13
			For 8' Height, Add	879.11	
			For 45 Minutes Fire Rated, Add	535.11	
			For 60 Minutes Fire Rated, Add	917.34	
			For 90 Minutes Fire Rated, Add	1,299.56	
			For 120 Minutes Fire Rated, Add	1,834.67	

08 Openings**08 30 Specialty Doors and Frames****08 34 Special Function Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 34 73 13-0053	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,470.35	183.13
		<i>For 8' Height, Add</i>	889.85	
		<i>For 45 Minutes Fire Rated, Add</i>	541.65	
		<i>For 60 Minutes Fire Rated, Add</i>	928.54	
		<i>For 90 Minutes Fire Rated, Add</i>	1,315.44	
		<i>For 120 Minutes Fire Rated, Add</i>	1,857.09	

08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)

08 34 73 16-0001		Wood Acoustical Door Assembly (08 34 73 16) Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.		
08 34 73 16-0002	EA	3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System (Unrated)	2,701.03	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System (Unrated)	2,901.87	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0004	EA	3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System (Unrated)	3,013.45	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0005	EA	3' x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System (Unrated)	3,125.02	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0006	EA	3' x 7' x 1-3/4" Thick, STC 36, Wood Acoustical Door System (Unrated)	3,615.95	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0007	EA	3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated)	4,687.07	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
08 34 73 16-0008	EA	3' x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System (Unrated)	4,894.60	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0009	EA	3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System (Unrated)	5,724.72	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0010	EA	3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated)	6,343.96	379.81
		Note: Includes the prefinished door, frame, hinges and seals.		

08 35 Folding Doors and Grilles (08 30)**08 35 13 Folding Doors (08 35)****08 35 13 13 Accordion Folding Doors (08 35 13)**

08 35 13 13-0001		Accordion Folding Doors (08 35 13 13) Note: Includes track, fittings and hardware, complete.		
08 35 13 13-0002	SF	Fire-Resistant, Vinyl Fabric Installed On Welded Steel Frames, Accordion Folding Door	101.17	13.57
		<i>For Fire Retardant, Add</i>	22.24	
08 35 13 13-0003	SF	1/32" Thick, Single Ply Vinyl, Accordion Folding Door	22.54	13.57
		<i>For Fire Retardant, Add</i>	2.58	
08 35 13 13-0004	SF	0.04" Thick, Fire-Resistant, Rigid Vinyl Panels, Accordion Folding Door	47.16	13.57
		<i>For Fire Retardant, Add</i>	8.74	
08 35 13 13-0005	SF	3/8" Thick, Fire-Resistant, Wood Veneer, Vinyl Or High Pressure Laminate, High-Density Engineered Wood Core Panel, Accordion Folding Door	65.74	13.57
		<i>For Fire Retardant, Add</i>	13.38	

08 36 Panel Doors (08 30)**08 36 13 Sectional Doors (08 36)**

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0997 for forklift.

08 36 13 00-0001		Sectional Wood Overhead Doors (Width x Height) (08 36 13)		
08 36 13 00-0002		Wood Sectional Overhead Doors (08 36 13 00-0001) Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	3,065.69	542.59

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0004	EA	10' x 10',	Wood Sectional Door, Manual Lift	3,773.45	602.27
08 36 13 00-0005	EA	12' x 12',	Wood Sectional Door, Manual Lift	4,789.06	721.64
08 36 13 00-0006	EA	14' x 14',	Wood Sectional Door, Manual Lift	6,790.32	835.59
08 36 13 00-0007	EA	12' x 16',	Wood Sectional Door, Manual Lift	7,400.48	1,085.18
08 36 13 00-0008	EA	20' x 8',	Wood Sectional Door, Manual Lift	7,223.06	1,356.48
08 36 13 00-0009	EA	20' x 16',	Wood Sectional Door, Manual Lift	12,825.44	1,808.18
08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors (08 36 13 00-0001)					
Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.					
08 36 13 00-0011	EA	9' x 7',	Residential Grade, Wood Sectional Door, Manual Lift.....	1,577.81	271.30
			For Hardboard Face, Add	115.00	
			For Insulation, Add	117.00	
			For Motor Operator With Remote Controls, Add	503.45	
			For Each Glass Vision Panel In Door, Add	50.00	
08 36 13 00-0012	EA	16' x 7',	Residential Grade, Wood Sectional Door, Manual Lift.....	2,424.63	271.30
			For Hardboard Face, Add	115.00	
			For Insulation, Add	117.00	
			For Motor Operator With Remote Controls, Add	543.77	
			For Each Glass Vision Panel In Door, Add	50.00	
08 36 13 00-0013 Sectional Metal Overhead Doors (Width x Height) (08 36 13)					
Note: Includes tracks and all hardware.					
08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013)					
08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)					
Note: Includes 2" door, tracks and hardware. Excludes frame.					
08 36 13 00-0016	EA	8' x 8',	Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,092.07	474.76
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	165.67	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	285.64	
			For Aluminum, Mill Finish, Add	130.25	
			For Aluminum, Anodized Finish, Add	364.47	
08 36 13 00-0017	EA	8' x 10',	Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,464.49	542.59
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	200.00	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	344.83	
			For Aluminum, Mill Finish, Add	157.24	
			For Aluminum, Anodized Finish, Add	440.00	
08 36 13 00-0018	EA	8' x 12',	Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,042.88	678.23
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	244.53	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	421.60	
			For Aluminum, Mill Finish, Add	192.25	
			For Aluminum, Anodized Finish, Add	537.96	
08 36 13 00-0019	EA	10' x 8',	Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,359.04	542.59
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	184.71	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	318.47	
			For Aluminum, Mill Finish, Add	145.22	
			For Aluminum, Anodized Finish, Add	406.36	
08 36 13 00-0020	EA	10' x 10',	Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,907.83	678.23
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	224.95	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	387.84	
			For Aluminum, Mill Finish, Add	176.85	
			For Aluminum, Anodized Finish, Add	494.88	
08 36 13 00-0021	EA	10' x 12',	Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,660.70	881.71
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	275.11	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	474.32	
			For Aluminum, Mill Finish, Add	216.29	
			For Aluminum, Anodized Finish, Add	605.24	
08 36 13 00-0022	EA	10' x 14',	Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,330.36	1,085.18
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	313.20	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	540.00	
			For Aluminum, Mill Finish, Add	246.24	
			For Aluminum, Anodized Finish, Add	689.04	
08 36 13 00-0023	EA	12' x 8',	Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,819.06	678.23
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	212.07	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	365.65	
			For Aluminum, Mill Finish, Add	166.73	
			For Aluminum, Anodized Finish, Add	466.56	
08 36 13 00-0024	EA	12' x 10',	Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,527.52	881.71
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	255.80	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	441.03	
			For Aluminum, Mill Finish, Add	201.11	
			For Aluminum, Anodized Finish, Add	562.75	
08 36 13 00-0025	EA	12' x 12',	Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,306.29	1,085.18
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	309.71	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	533.98	
			For Aluminum, Mill Finish, Add	243.50	
			For Aluminum, Anodized Finish, Add	681.36	
08 36 13 00-0026	EA	12' x 14',	Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,081.38	1,288.65
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	363.09	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	626.02	
			For Aluminum, Mill Finish, Add	285.47	
			For Aluminum, Anodized Finish, Add	798.80	
08 36 13 00-0027	EA	12' x 16',	Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,066.10	1,559.94
			For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	427.20	
			For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	736.56	
			For Aluminum, Mill Finish, Add	335.87	
			For Aluminum, Anodized Finish, Add	939.84	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 36 13 00-0028	EA 14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,351.78	881.71
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	230.31	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	397.09	
	For Aluminum, Mill Finish, Add	181.07	
	For Aluminum, Anodized Finish, Add	506.69	
08 36 13 00-0029	EA 14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,123.16	1,085.18
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	283.16	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	488.20	
	For Aluminum, Mill Finish, Add	222.62	
	For Aluminum, Anodized Finish, Add	622.94	
08 36 13 00-0030	EA 14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,089.38	1,356.48
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	344.58	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	594.11	
	For Aluminum, Mill Finish, Add	270.91	
	For Aluminum, Anodized Finish, Add	758.08	
08 36 13 00-0031	EA 14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,868.16	1,559.94
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	398.50	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	687.07	
	For Aluminum, Mill Finish, Add	313.30	
	For Aluminum, Anodized Finish, Add	876.70	
08 36 13 00-0032	EA 14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,744.98	1,763.41
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	466.63	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	804.54	
	For Aluminum, Mill Finish, Add	366.87	
	For Aluminum, Anodized Finish, Add	1,026.59	
08 36 13 00-0033	EA 16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,058.40	1,085.18
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	273.77	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	472.01	
	For Aluminum, Mill Finish, Add	215.24	
	For Aluminum, Anodized Finish, Add	602.28	
08 36 13 00-0034	EA 16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,020.92	1,356.48
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	334.66	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	576.99	
	For Aluminum, Mill Finish, Add	263.11	
	For Aluminum, Anodized Finish, Add	736.24	
08 36 13 00-0035	EA 16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,903.28	1,559.94
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	403.59	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	695.85	
	For Aluminum, Mill Finish, Add	317.31	
	For Aluminum, Anodized Finish, Add	887.90	
08 36 13 00-0036	EA 16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,022.47	1,763.41
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	506.87	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	873.91	
	For Aluminum, Mill Finish, Add	398.50	
	For Aluminum, Anodized Finish, Add	1,115.11	
08 36 13 00-0037	EA 16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,177.40	2,034.71
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	595.65	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,026.99	
	For Aluminum, Mill Finish, Add	468.31	
	For Aluminum, Anodized Finish, Add	1,310.44	
08 36 13 00-0038	EA 18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,163.39	1,356.48
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	355.31	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	612.61	
	For Aluminum, Mill Finish, Add	279.35	
	For Aluminum, Anodized Finish, Add	781.69	
08 36 13 00-0039	EA 18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,158.60	1,559.94
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	440.61	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	759.68	
	For Aluminum, Mill Finish, Add	346.41	
	For Aluminum, Anodized Finish, Add	969.35	
08 36 13 00-0040	EA 18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,429.45	1,763.41
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	565.88	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	975.66	
	For Aluminum, Mill Finish, Add	444.90	
	For Aluminum, Anodized Finish, Add	1,244.94	
08 36 13 00-0041	EA 18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,586.24	2,034.71
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	654.94	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,129.20	
	For Aluminum, Mill Finish, Add	514.92	
	For Aluminum, Anodized Finish, Add	1,440.86	
08 36 13 00-0042	EA 18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,857.73	2,306.00
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	760.63	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,311.42	
	For Aluminum, Mill Finish, Add	598.01	
	For Aluminum, Anodized Finish, Add	1,673.38	
08 36 13 00-0043	EA 20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,868.16	1,559.94
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	398.50	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	687.07	
	For Aluminum, Mill Finish, Add	313.30	
	For Aluminum, Anodized Finish, Add	876.70	
08 36 13 00-0044	EA 20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,863.38	1,763.41
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	483.80	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	834.14	
	For Aluminum, Mill Finish, Add	380.37	
	For Aluminum, Anodized Finish, Add	1,064.36	
08 36 13 00-0045	EA 20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,443.80	2,034.71
	For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	634.28	
	For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,093.59	
	For Aluminum, Mill Finish, Add	498.68	
	For Aluminum, Anodized Finish, Add	1,395.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 36 13 00-0046	EA	20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,600.58	2,306.00
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	723.34	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,247.14	
		For Aluminum, Mill Finish, Add	568.69	
		For Aluminum, Anodized Finish, Add	1,591.34	
08 36 13 00-0047	EA	20' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,804.42	2,577.30
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	964.22	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,662.45	
		For Aluminum, Mill Finish, Add	758.07	
		For Aluminum, Anodized Finish, Add	2,121.28	
08 36 13 00-0048	EA	22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,537.78	1,763.41
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	436.59	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	752.74	
		For Aluminum, Mill Finish, Add	343.25	
		For Aluminum, Anodized Finish, Add	960.49	
08 36 13 00-0049	EA	22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,046.08	2,034.71
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	576.61	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	994.16	
		For Aluminum, Mill Finish, Add	453.34	
		For Aluminum, Anodized Finish, Add	1,268.55	
08 36 13 00-0050	EA	22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,517.34	2,306.00
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	711.27	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,226.33	
		For Aluminum, Mill Finish, Add	559.20	
		For Aluminum, Anodized Finish, Add	1,564.79	
08 36 13 00-0051	EA	22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,206.89	2,577.30
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	877.58	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,513.06	
		For Aluminum, Mill Finish, Add	689.96	
		For Aluminum, Anodized Finish, Add	1,930.67	
08 36 13 00-0052	EA	22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,628.14	2,848.60
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,004.99	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,732.74	
		For Aluminum, Mill Finish, Add	790.13	
		For Aluminum, Anodized Finish, Add	2,210.98	
08 36 13 00-0053	EA	24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,259.85	2,034.71
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	462.61	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	797.60	
		For Aluminum, Mill Finish, Add	363.71	
		For Aluminum, Anodized Finish, Add	1,017.74	
08 36 13 00-0054	EA	24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,825.45	2,306.00
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	610.94	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,053.35	
		For Aluminum, Mill Finish, Add	480.33	
		For Aluminum, Anodized Finish, Add	1,344.08	
08 36 13 00-0055	EA	24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,711.11	2,577.30
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	805.69	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,389.12	
		For Aluminum, Mill Finish, Add	633.44	
		For Aluminum, Anodized Finish, Add	1,772.51	
08 36 13 00-0056	EA	24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,969.57	2,848.60
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	909.50	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,568.10	
		For Aluminum, Mill Finish, Add	715.05	
		For Aluminum, Anodized Finish, Add	2,000.90	
08 36 13 00-0057	EA	24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	13,424.18	3,119.89
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,041.74	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,796.11	
		For Aluminum, Mill Finish, Add	819.02	
		For Aluminum, Anodized Finish, Add	2,291.83	

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors (08 36 13 00-0014)

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,636.47	474.76
		For Aluminum, Mill Finish, Add	192.31	
		For Aluminum, Anodized Finish, Add	538.13	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	210.87	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	421.74	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,096.51	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,108.68	
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,140.21	542.59
		For Aluminum, Mill Finish, Add	234.27	
		For Aluminum, Anodized Finish, Add	655.55	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	256.88	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	513.76	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,335.77	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,568.79	
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,858.07	678.23
		For Aluminum, Mill Finish, Add	285.18	
		For Aluminum, Anodized Finish, Add	798.01	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	312.70	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	625.40	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,626.03	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,126.99	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,065.17	542.59
		For Aluminum, Mill Finish, Add	225.72	
		For Aluminum, Anodized Finish, Add	631.62	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	247.50	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	495.00	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,286.99	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,474.99	
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,765.63	678.23
		For Aluminum, Mill Finish, Add	274.64	
		For Aluminum, Anodized Finish, Add	768.52	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	301.14	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	602.29	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,565.95	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,011.44	
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,788.33	881.71
		For Aluminum, Mill Finish, Add	344.84	
		For Aluminum, Anodized Finish, Add	964.95	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	378.12	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	756.23	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,966.20	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,781.15	
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,561.63	1,085.18
		For Aluminum, Mill Finish, Add	386.60	
		For Aluminum, Anodized Finish, Add	1,081.82	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	423.91	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	847.82	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,204.33	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,239.09	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,624.33	678.23
		For Aluminum, Mill Finish, Add	258.53	
		For Aluminum, Anodized Finish, Add	723.44	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	283.48	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	566.96	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,474.10	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,834.81	
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,521.45	881.71
		For Aluminum, Mill Finish, Add	314.42	
		For Aluminum, Anodized Finish, Add	879.81	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	344.76	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	689.51	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,792.73	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,447.55	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,514.54	1,085.18
		For Aluminum, Mill Finish, Add	381.24	
		For Aluminum, Anodized Finish, Add	1,066.79	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	418.02	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	836.05	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,173.72	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,180.23	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,450.05	1,288.65
		For Aluminum, Mill Finish, Add	441.49	
		For Aluminum, Anodized Finish, Add	1,235.41	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	484.09	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	968.19	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,517.29	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,840.94	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,829.97	1,559.94
		For Aluminum, Mill Finish, Add	536.95	
		For Aluminum, Anodized Finish, Add	1,502.52	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	588.76	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,177.52	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,061.56	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,887.61	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,313.86	881.71
		For Aluminum, Mill Finish, Add	290.75	
		For Aluminum, Anodized Finish, Add	813.59	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	318.81	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	637.61	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,657.79	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,188.06	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,348.81	1,085.18
		For Aluminum, Mill Finish, Add	362.34	
		For Aluminum, Anodized Finish, Add	1,013.93	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	397.31	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	794.61	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,065.99	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,973.06	
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,510.69	1,356.48
		For Aluminum, Mill Finish, Add	432.94	
		For Aluminum, Anodized Finish, Add	1,211.48	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	474.72	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	949.44	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,468.53	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,747.18	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,669.47	1,559.94
		For Aluminum, Mill Finish, Add	518.65	
		For Aluminum, Anodized Finish, Add	1,451.32	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	568.70	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,137.40	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,957.23	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,686.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	8,800.37	1,763.41
		For Aluminum, Mill Finish, Add	.....	601.18	
		For Aluminum, Anodized Finish, Add	.....	1,682.26	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	659.19	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,318.39	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,427.80	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	6,591.93	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	5,169.14	1,085.18
		For Aluminum, Mill Finish, Add	.....	341.86	
		For Aluminum, Anodized Finish, Add	.....	956.61	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	374.65	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	749.70	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,949.21	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,748.48	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	6,650.25	1,356.48
		For Aluminum, Mill Finish, Add	.....	448.85	
		For Aluminum, Anodized Finish, Add	.....	1,256.00	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	492.16	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	984.33	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,559.25	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,921.63	
08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	7,763.68	1,559.94
		For Aluminum, Mill Finish, Add	.....	529.39	
		For Aluminum, Anodized Finish, Add	.....	1,481.37	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	580.48	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,160.95	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,018.47	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,804.75	
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	8,884.09	1,763.41
		For Aluminum, Mill Finish, Add	.....	610.73	
		For Aluminum, Anodized Finish, Add	.....	1,708.97	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	669.66	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,339.32	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,482.22	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	6,696.58	
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	10,501.29	2,034.71
		For Aluminum, Mill Finish, Add	.....	733.23	
		For Aluminum, Anodized Finish, Add	.....	2,051.76	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	803.98	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,607.96	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,180.70	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	8,039.81	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	5,973.38	1,356.48
		For Aluminum, Mill Finish, Add	.....	371.69	
		For Aluminum, Anodized Finish, Add	.....	1,040.08	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	407.55	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	815.11	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,119.28	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,075.54	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	7,392.10	1,559.94
		For Aluminum, Mill Finish, Add	.....	487.03	
		For Aluminum, Anodized Finish, Add	.....	1,362.84	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	534.03	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,068.06	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,776.94	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,340.28	
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	8,577.06	1,763.41
		For Aluminum, Mill Finish, Add	.....	575.73	
		For Aluminum, Anodized Finish, Add	.....	1,611.02	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	631.28	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,262.56	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,282.65	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	6,312.79	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	10,679.23	2,034.71
		For Aluminum, Mill Finish, Add	.....	753.52	
		For Aluminum, Anodized Finish, Add	.....	2,108.52	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	826.22	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,652.45	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,296.36	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	8,262.24	
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	11,708.53	2,306.00
		For Aluminum, Mill Finish, Add	.....	809.00	
		For Aluminum, Anodized Finish, Add	.....	2,263.78	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	887.06	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,774.12	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	4,612.72	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	8,870.61	
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	7,358.95	1,559.94
		For Aluminum, Mill Finish, Add	.....	483.25	
		For Aluminum, Anodized Finish, Add	.....	1,352.26	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	529.88	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,059.77	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	2,755.40	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	5,298.84	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	.....	8,653.84	1,763.41
		For Aluminum, Mill Finish, Add	.....	584.48	
		For Aluminum, Anodized Finish, Add	.....	1,635.52	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	640.88	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	1,281.75	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	3,332.56	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	.....	6,408.76	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,036.83	2,034.71
		For Aluminum, Mill Finish, Add	794.28	
		For Aluminum, Anodized Finish, Add	2,222.60	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	870.92	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,741.85	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,528.80	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	8,709.24	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,027.76	2,306.00
		For Aluminum, Mill Finish, Add	845.39	
		For Aluminum, Anodized Finish, Add	2,365.61	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	926.97	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,853.93	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,820.22	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	9,269.65	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	13,960.70	2,577.30
		For Aluminum, Mill Finish, Add	1,003.89	
		For Aluminum, Anodized Finish, Add	2,809.13	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,100.76	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,201.52	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,723.94	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	11,007.58	
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,079.90	1,763.41
		For Aluminum, Mill Finish, Add	519.05	
		For Aluminum, Anodized Finish, Add	1,452.43	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	569.13	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,138.27	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,959.50	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,691.34	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,972.73	2,034.71
		For Aluminum, Mill Finish, Add	672.98	
		For Aluminum, Anodized Finish, Add	1,883.15	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	737.91	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,475.82	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,837.14	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	7,379.11	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,835.89	2,306.00
		For Aluminum, Mill Finish, Add	823.52	
		For Aluminum, Anodized Finish, Add	2,304.41	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	902.98	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,805.96	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,695.50	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	9,029.81	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	13,299.55	2,577.30
		For Aluminum, Mill Finish, Add	928.52	
		For Aluminum, Anodized Finish, Add	2,598.23	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,018.11	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,036.23	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,294.19	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	10,181.14	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	15,162.63	2,848.60
		For Aluminum, Mill Finish, Add	1,079.06	
		For Aluminum, Anodized Finish, Add	3,019.48	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,183.18	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,366.37	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	6,152.55	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	11,831.83	
08 36 13 00-0096	EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,008.04	2,034.71
		For Aluminum, Mill Finish, Add	563.00	
		For Aluminum, Anodized Finish, Add	1,575.41	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	617.33	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,234.65	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	3,210.09	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	6,173.25	
08 36 13 00-0097	EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,094.50	2,306.00
		For Aluminum, Mill Finish, Add	739.00	
		For Aluminum, Anodized Finish, Add	2,067.90	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	810.31	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,620.62	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	4,213.60	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	8,103.08	
08 36 13 00-0098	EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,858.22	2,577.30
		For Aluminum, Mill Finish, Add	878.21	
		For Aluminum, Anodized Finish, Add	2,457.44	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	962.95	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,925.90	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,007.33	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	9,629.48	
08 36 13 00-0099	EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	14,724.79	2,848.60
		For Aluminum, Mill Finish, Add	1,029.15	
		For Aluminum, Anodized Finish, Add	2,879.81	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,128.45	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,256.91	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	5,867.95	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	11,284.53	
08 36 13 00-0100	EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	16,561.76	3,119.89
		For Aluminum, Mill Finish, Add	1,176.71	
		For Aluminum, Anodized Finish, Add	3,292.72	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	1,290.25	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	2,580.50	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	6,709.30	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	12,902.50	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 36 13 00-0101	Residential Grade, Galvanized Steel Sectional Overhead Doors (08 36 13 00-0013) Note: Includes track and hardware. Excludes frame.	
08 36 13 00-0102 EA	9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,274.15
	For Aluminum And Fiberglass, Add.....	184.74
	For Each Glass Vision Panel In Door, Add.....	50.00
	For Insulated Door, Add.....	214.53
08 36 13 00-0103 EA	9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,381.09
	For Aluminum And Fiberglass, Add.....	217.89
	For Each Glass Vision Panel In Door, Add.....	50.00
	For Insulated Door, Add.....	253.03
08 36 13 00-0104 EA	16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,759.74
	For Aluminum And Fiberglass, Add.....	305.51
	For Each Glass Vision Panel In Door, Add.....	50.00
	For Insulated Door, Add.....	354.78
08 36 13 00-0105 EA	16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,927.79
	For Aluminum And Fiberglass, Add.....	357.60
	For Each Glass Vision Panel In Door, Add.....	50.00
	For Insulated Door, Add.....	415.28

08 36 13 00-0106	Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports (08 36 13 00-0013) Note: Includes storage, cleaning and supply materials.	
08 36 13 00-0107 SF	Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	19.27

08 36 13 00-0108	Sectional Fiberglass Overhead Doors (Width x Height) (08 36 13)	
08 36 13 00-0109	Fiberglass Sectional Overhead Doors (08 36 13 00-0108)	
08 36 13 00-0110	Non-Insulated, Fiberglass Sectional Doors (08 36 13 00-0109) Note: Includes 2" door, tracks and hardware. Excludes frame.	
08 36 13 00-0111 EA	8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,398.13
08 36 13 00-0112 EA	8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,831.46
08 36 13 00-0113 EA	8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,376.74
08 36 13 00-0114 EA	10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	2,802.88
08 36 13 00-0115 EA	10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,317.22
08 36 13 00-0116 EA	10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,199.47
08 36 13 00-0117 EA	10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,085.70
08 36 13 00-0118 EA	12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	3,336.24
08 36 13 00-0119 EA	12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,182.79
08 36 13 00-0120 EA	12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,019.42
08 36 13 00-0121 EA	12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,193.61
08 36 13 00-0122 EA	12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,237.84
08 36 13 00-0123 EA	14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,140.58
08 36 13 00-0124 EA	14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,985.64
08 36 13 00-0125 EA	14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,107.84
08 36 13 00-0126 EA	14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,228.31
08 36 13 00-0127 EA	14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	8,080.25
08 36 13 00-0128 EA	16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	4,706.90
08 36 13 00-0129 EA	16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	5,607.64
08 36 13 00-0130 EA	16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	6,794.63
08 36 13 00-0131 EA	16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	7,968.28
08 36 13 00-0132 EA	16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....	8,871.98

08 36 13 00-0133	Insulated, Fiberglass Sectional Doors (08 36 13 00-0109) Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.	
08 36 13 00-0134 EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	2,876.13
08 36 13 00-0135 EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,407.74
08 36 13 00-0136 EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,043.42
08 36 13 00-0137 EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,369.72
08 36 13 00-0138 EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,009.07
08 36 13 00-0139 EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,025.75
08 36 13 00-0140 EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,047.99
08 36 13 00-0141 EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	3,989.56
08 36 13 00-0142 EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,003.57
08 36 13 00-0143 EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,004.51
08 36 13 00-0144 EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,342.22
08 36 13 00-0145 EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,552.34
08 36 13 00-0146 EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	4,880.38
08 36 13 00-0147 EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,914.91
08 36 13 00-0148 EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	7,228.16
08 36 13 00-0149 EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,539.67
08 36 13 00-0150 EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,583.44
08 36 13 00-0151 EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....	5,544.19
08 36 13 00-0152 EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....	6,652.48
08 36 13 00-0153 EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....	8,051.74
08 36 13 00-0154 EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....	9,434.51
08 36 13 00-0155 EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....	10,546.55

08 36 13 00-0156	Sectional Overhead Door Accessories (08 36 13)	
08 36 13 00-0157	Sectional Overhead Door Accessories (08 36 13 00-0156)	

08 Openings**08 30 Specialty Doors and Frames****08 36 Panel Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 36 13 00-0158	LF	Molding, Draft Stop	4.50	1.70
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors.....	6.30	2.12
08 36 13 00-0160	LF	Weather Strip At Door Bottom	3.85	1.70
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors	350.76	84.78
08 36 13 00-0162	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors.....	2,763.69	271.30
Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.				
08 36 13 00-0163	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	32.05	
Note: Additional cost for factory supplied.				
08 36 13 00-0164	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	19.99	
Note: Additional cost for factory supplied.				
08 36 13 00-0165	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors	19.50	
Note: Additional cost for factory supplied.				
08 36 13 00-0166	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors	13.29	
Note: Additional cost for factory supplied.				
08 36 13 00-0167	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors	50.94	
Note: Additional cost for factory supplied.				
08 36 13 00-0168	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....	34.38	
Note: Additional cost for factory supplied.				
08 36 13 00-0169	SF	Up To 2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors	68.77	
Note: Additional cost for factory supplied.				
08 36 13 00-0170	SF	>2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors.....	46.42	
Note: Additional cost for factory supplied.				
08 36 13 00-0171	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door	667.43	135.65
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.				
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door	1,037.74	204.69
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.				
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door	1,542.87	341.16
Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.				
08 36 13 00-0174	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors	1.91	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.				
08 36 13 00-0175	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors	2.46	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.				
08 36 13 00-0176	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors	3.25	
Note: Additional cost for factory supplied/installed spring. Per SF of Door.				

08 38 Traffic Doors (08 30)**08 38 13 Flexible Strip Doors** (08 38)**08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors** (08 38 13)

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	25.53	8.14
For Cooler/Freezer Doors, USDA Grade, Add			0.79	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			1.66	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	35.57	10.85
For Cooler/Freezer Doors, USDA Grade, Add			1.12	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			2.34	
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	22.17	6.78
For Cooler/Freezer Doors, USDA Grade, Add			1.00	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			2.09	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	28.79	7.46
For Cooler/Freezer Doors, USDA Grade, Add			1.25	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			2.63	
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....	23.51	6.78
For Cooler/Freezer Doors, USDA Grade, Add			1.27	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			2.66	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips (08 38 13)

08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	85.12	38.26
For Cooler/Freezer Doors, USDA Grade, Add			2.27	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			4.77	
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	88.31	38.26
For Cooler/Freezer Doors, USDA Grade, Add			2.59	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			5.44	
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	130.45	47.34
For Cooler/Freezer Doors, USDA Grade, Add			5.31	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			11.16	
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	141.24	47.34
For Cooler/Freezer Doors, USDA Grade, Add			6.39	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			13.42	
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	151.37	47.34
For Cooler/Freezer Doors, USDA Grade, Add			7.41	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			15.55	
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip	270.10	48.29
For Cooler/Freezer Doors, USDA Grade, Add			17.35	
Note: Low temperature to -40 degree F.				
For Ribbed Strip Material, Add			36.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 38 16 Flexible Traffic Doors (08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001			0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) (08 38 16)		
08 38 16 00-0002			Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0001)		
08 38 16 00-0003			Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)		
08 38 16 00-0004	EA		72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	8,696.01	135.65
08 38 16 00-0005	EA		72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	9,420.19	135.65
08 38 16 00-0006	EA		96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	19,849.91	155.99
08 38 16 00-0007	EA		96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	22,285.73	169.56
08 38 16 00-0008	EA		108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	34,818.32	169.56
08 38 16 00-0009	EA		108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	36,439.58	169.56
08 38 16 00-0010	EA		120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	40,530.65	203.47

08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (08 38 16 00-0002)

08 38 16 00-0012	EA		72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	9,704.18	135.65
08 38 16 00-0013	EA		72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	10,510.64	135.65
08 38 16 00-0014	EA		96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	23,563.44	155.99
08 38 16 00-0015	EA		96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	25,982.77	169.56
08 38 16 00-0016	EA		108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	39,058.31	169.56
08 38 16 00-0017	EA		108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	40,707.48	169.56
08 38 16 00-0018	EA		120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	45,278.80	203.47

08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) (08 38 16)

Note: Includes pebble embossed finish and a 14" x 16" vinyl window.

08 38 16 00-0020			Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)		
08 38 16 00-0021			84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)		
08 38 16 00-0022	EA		24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,262.81	74.60
08 38 16 00-0023	EA		40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,525.07	74.60

08 38 16 00-0024 96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0020)

08 38 16 00-0025	EA		24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,525.07	74.60
08 38 16 00-0026	EA		40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,599.05	74.60

08 38 16 00-0027 Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0019)

08 38 16 00-0028			84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0027)		
08 38 16 00-0029	EA		48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	6,484.90	128.86
08 38 16 00-0030	EA		80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	7,009.44	128.86

08 38 16 00-0031 96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (08 38 16 00-0027)

08 38 16 00-0032	EA		48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	7,009.44	128.86
08 38 16 00-0033	EA		80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	7,157.39	128.86

08 38 19 Rigid Traffic Doors (08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 19 00-0001			0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) (08 38 19)		
08 38 19 00-0002			Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0001)		
08 38 19 00-0003			84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0002)		

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,547.97	74.60
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,669.02	74.60
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,722.87	78.00
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,796.84	78.00
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,877.64	81.39
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,039.03	81.39
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,106.42	91.56
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	

08 38 19 00-0011 96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors

(08 38 19 00-0002)

08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,756.44	74.60
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,850.59	74.60
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,911.17	78.00
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,964.96	78.00
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,153.36	81.39
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,193.70	81.39
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,254.36	91.56
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	

08 38 19 00-0019 Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors

(08 38 19 00-0001)

08 38 19 00-0020 84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors

(08 38 19 00-0019)

08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,055.23	128.86
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0022	EA		56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,297.32	128.86
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0023	EA		60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,391.47	128.86
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0024	EA		64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,539.42	128.86
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0025	EA		72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,700.97	135.65
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0026	EA		80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,023.77	135.65
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0027	EA		84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,117.91	135.65
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0028 96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (08 38 19 00-0019)					
08 38 19 00-0029	EA		48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,472.17	128.86
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0030	EA		56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,660.46	128.86
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0031	EA		60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,768.06	128.86
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0032	EA		64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,875.66	128.86
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0033	EA		72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,252.41	135.65
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0034	EA		80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,333.11	135.65
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0035	EA		84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,413.81	135.65
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0036 3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) (08 38 19)					
Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.					
08 38 19 00-0037 Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0036)					
08 38 19 00-0038 84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0037)					
08 38 19 00-0039	EA		24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,785.34	74.60
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0040	EA		28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,101.41	74.60
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0041	EA		30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,235.96	78.00
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0042	EA		32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,370.46	78.00
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 38 19 00-0043	EA	36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,417.63	81.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0044	EA	40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,693.35	81.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0045	EA	42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,962.48	91.56
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0046	EA	44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,009.55	91.56
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0047 96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors

08 38 19 00-0048	EA	24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,054.34	74.60
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0049	EA	28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,383.85	74.60
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0050	EA	30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,518.40	78.00
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0051	EA	32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,686.53	78.00
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0052	EA	36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,814.39	81.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0053	EA	40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,083.39	81.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0054	EA	42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,211.30	91.56
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0055	EA	44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,379.42	91.56
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0056 Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors**08 38 19 00-0057 84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors**

08 38 19 00-0058	EA	48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	5,529.97	128.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,162.11	128.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,417.65	128.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,686.65	128.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,780.95	135.65
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,332.39	135.65
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,830.03	135.65
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,924.18	135.65
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0066 96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors

08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,067.96	128.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,727.00	128.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,982.54	128.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,318.78	128.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,574.49	135.65
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

			Openings	08	08
			Specialty Doors and Frames	08 30	
			Traffic Doors	08 38	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,112.48 6.00 19.00		135.65
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,327.67 6.00 19.00		135.65
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,663.91 6.00 19.00		135.65
08 38 19 00-0075		3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) (08 38 19) Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.			
08 38 19 00-0076		Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0075)			
08 38 19 00-0077		84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0076)			
08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,918.73 6.00 19.00		74.60
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,462.41 6.00 19.00		74.60
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,614.17 6.00 19.00		78.00
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,668.54 6.00 19.00		78.00
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,729.73 6.00 19.00		81.39
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,237.16 6.00 19.00		81.39
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,674.29 6.00 19.00		91.56
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,737.72 6.00 19.00		91.56
08 38 19 00-0086		96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0076)			
08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,036.52 6.00 19.00		74.60
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,707.06 6.00 19.00		74.60
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,867.89 6.00 19.00		78.00
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,940.38 6.00 19.00		78.00
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,965.32 6.00 19.00		81.39
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,336.84 6.00 19.00		81.39
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,764.91 6.00 19.00		91.56
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,837.40 6.00 19.00		91.56
08 38 19 00-0095		Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0075)			
08 38 19 00-0096		84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)			
08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	7,796.74 6.00 19.00		128.86
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,884.10 6.00 19.00		128.86
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,174.07 6.00 19.00		128.86

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,282.80 6.00 19.00	128.86	
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,405.15 6.00 19.00	135.65	
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,420.02 6.00 19.00	135.65	
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,253.67 6.00 19.00	135.65	
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,380.53 6.00 19.00	135.65	
08 38 19 00-0105 96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (08 38 19 00-0095)					
08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,032.34 6.00 19.00	128.86	
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,373.42 6.00 19.00	128.86	
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,681.50 6.00 19.00	128.86	
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,826.49 6.00 19.00	128.86	
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,876.34 6.00 19.00	135.65	
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,619.37 6.00 19.00	135.65	
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,434.90 6.00 19.00	135.65	
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,579.88 6.00 19.00	135.65	
08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliaison SCP-2) (08 38 19)					
Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.					
08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0114)					
08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (08 38 19 00-0115)					
08 38 19 00-0117	EA	24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,753.72 22.00 28.00 41.00	74.60	
08 38 19 00-0118	EA	28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,110.14 22.00 28.00 41.00	74.60	
08 38 19 00-0119	EA	30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,211.06 22.00 28.00 41.00	78.00	
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,298.49 22.00 28.00 41.00	78.00	
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,453.25 22.00 28.00 41.00	81.39	
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,621.38 22.00 28.00 41.00	81.39	
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,776.18 22.00 28.00 41.00	91.56	
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door For Each 14" x 16" Window, Add For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,890.51 22.00 28.00 41.00	91.56	

			Openings	08	08
			Specialty Doors and Frames	08 30	
			Traffic Doors	08 38	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 38 19 00-0125 96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact

Traffic Doors (08 38 19 00-0115)

08 38 19 00-0126	EA	24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,056.34	74.60
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0127	EA	28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,432.93	74.60
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0128	EA	30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,540.58	78.00
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0129	EA	32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,587.66	78.00
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0130	EA	36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,728.97	81.39
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0131	EA	40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,950.89	81.39
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0132	EA	42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,078.80	91.56
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0133	EA	44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,193.12	91.56
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	

08 38 19 00-0134 Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic

Doors (08 38 19 00-0114)

08 38 19 00-0135 84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact

Traffic Doors (08 38 19 00-0134)

08 38 19 00-0136	EA	48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,466.73	128.86
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0137	EA	56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,179.56	128.86
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,367.86	128.86
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,542.71	128.86
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,852.21	135.65
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,188.45	135.65
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,457.45	135.65
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,686.09	135.65
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	

08 38 19 00-0144 96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact

Traffic Doors (08 38 19 00-0134)

08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,071.97	128.86
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,825.15	128.86
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	9,026.89	128.86
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	9,121.04	128.86
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	9,403.65	135.65
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	9,847.49	135.65
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	10,062.68	135.65
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	10,291.33	135.65
		For Each 14" x 16" Window, Add	22.00	
		For Each 15" x 20" Window, Add	28.00	
		For Each 18" x 30" Window, Add	41.00	

08 38 19 00-0153 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) (08 38 19)
 Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.

08 38 19 00-0154 Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0153)

08 38 19 00-0155 84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)

08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,686.47	74.60
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,881.49	74.60
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,063.12	78.00
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,177.44	78.00
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,466.70	81.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0161	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,695.35	81.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0162	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,897.23	91.56
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0163	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,112.43	91.56
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0164 90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0154)

08 38 19 00-0165	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,820.97	74.60
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0166	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,056.34	74.60
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0167	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,177.44	78.00
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0168	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,338.84	78.00
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0169	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,648.28	81.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0170	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,923.99	81.39
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0171	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,112.43	91.56
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0172	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,314.17	91.56
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

		Openings	08	08
		Specialty Doors and Frames	08 30	
		Traffic Doors	08 38	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

08 38 19 00-0173 96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic

Doors (08 38 19 00-0154)

08 38 19 00-0174	EA 24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,163.94	74.60
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0175	EA 28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,211.01	74.60
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0176	EA 30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,412.81	78.00
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0177	EA 32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,560.76	78.00
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0178	EA 36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,876.92	81.39
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0179	EA 40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,206.44	81.39
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0180	EA 42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,381.42	91.56
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0181	EA 44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,583.16	91.56
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0182 Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0153)

08 38 19 00-0183 84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic

Doors (08 38 19 00-0182)

08 38 19 00-0184	EA 48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	7,332.23	128.86
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0185	EA 56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	7,722.27	128.86
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0186	EA 60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	8,071.97	128.86
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0187	EA 64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	8,300.61	128.86
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0188	EA 72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	8,879.11	135.65
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0189	EA 80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	9,336.40	135.65
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0190	EA 84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	9,699.54	135.65
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0191	EA 88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	10,129.93	135.65
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0192 90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic

Doors (08 38 19 00-0182)

08 38 19 00-0193	EA 48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	7,601.23	128.86
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0194	EA 56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	8,071.97	128.86
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0195	EA 60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	8,300.61	128.86
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0196	EA 64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	8,623.40	128.86
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0197	EA 72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	9,242.25	135.65
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0198	EA 80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	9,793.69	135.65
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0199	EA 84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	10,129.93	135.65
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0200	EA 88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	10,533.42	135.65
	For Each 15" x 20" Window, Add	6.00	
	For Each 18" x 30" Window, Add	19.00	

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 38 19 00-0201	96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (08 38 19 00-0182)		
08 38 19 00-0202	EA 48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,287.16 6.00 19.00	128.86
08 38 19 00-0203	EA 56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,381.31 6.00 19.00	128.86
08 38 19 00-0204	EA 60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	8,771.35 6.00 19.00	128.86
08 38 19 00-0205	EA 64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,067.24 6.00 19.00	128.86
08 38 19 00-0206	EA 72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	9,699.54 6.00 19.00	135.65
08 38 19 00-0207	EA 80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,358.58 6.00 19.00	135.65
08 38 19 00-0208	EA 84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	10,667.92 6.00 19.00	135.65
08 38 19 00-0209	EA 88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	11,071.41 6.00 19.00	135.65
08 38 19 00-0210	1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) (08 38 19 00-0210) Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211	Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0210)		
08 38 19 00-0212	84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0211)		
08 38 19 00-0213	EA 24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,686.47 6.00 19.00	74.60
08 38 19 00-0214	EA 28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,881.49 6.00 19.00	74.60
08 38 19 00-0215	EA 30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,063.12 6.00 19.00	78.00
08 38 19 00-0216	EA 32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,177.44 6.00 19.00	78.00
08 38 19 00-0217	EA 36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,466.70 6.00 19.00	81.39
08 38 19 00-0218	EA 40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,695.35 6.00 19.00	81.39
08 38 19 00-0219	EA 42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,897.23 6.00 19.00	91.56
08 38 19 00-0220	EA 44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,112.43 6.00 19.00	91.56
08 38 19 00-0221	90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0211)		
08 38 19 00-0222	EA 24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	3,820.97 6.00 19.00	74.60
08 38 19 00-0223	EA 28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,056.34 6.00 19.00	74.60
08 38 19 00-0224	EA 30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,177.44 6.00 19.00	78.00
08 38 19 00-0225	EA 32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,338.84 6.00 19.00	78.00
08 38 19 00-0226	EA 36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,648.28 6.00 19.00	81.39
08 38 19 00-0227	EA 40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	4,923.99 6.00 19.00	81.39
08 38 19 00-0228	EA 42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door For Each 15" x 20" Window, Add For Each 18" x 30" Window, Add	5,112.43 6.00 19.00	91.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0229	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,314.17	91.56
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0211)					
08 38 19 00-0231	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,163.94	74.60
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0232	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,211.01	74.60
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0233	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,412.81	78.00
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0234	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,560.76	78.00
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0235	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,876.92	81.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0236	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,206.44	81.39
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0237	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,381.42	91.56
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0238	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,583.16	91.56
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0239 Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0210)					
08 38 19 00-0240 84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)					
08 38 19 00-0241	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,332.23	128.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0242	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,722.27	128.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0243	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,071.97	128.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0244	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,300.61	128.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0245	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,879.11	135.65
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0246	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,336.40	135.65
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0247	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,699.54	135.65
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0248	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,129.93	135.65
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0249 90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (08 38 19 00-0239)					
08 38 19 00-0250	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,601.23	128.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0251	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,071.97	128.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0252	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,300.61	128.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0253	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,623.40	128.86
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0254	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,242.25	135.65
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0255	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,793.69	135.65
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0256	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,129.93	135.65
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	

08 Openings**08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 38 19 00-0257	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,533.42	135.65
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0258 96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors

(08 38 19 00-0239)

08 38 19 00-0259	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,287.16	128.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0260	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,381.31	128.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0261	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,771.35	128.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0262	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,067.24	128.86
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0263	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,699.54	135.65
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0264	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,358.58	135.65
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0265	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,667.92	135.65
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	
08 38 19 00-0266	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,071.41	135.65
		For Each 15" x 20" Window, Add	6.00	
		For Each 18" x 30" Window, Add	19.00	

08 38 19 00-0267 Rigid Impact Traffic Door Accessories

(08 38 19)

08 38 19 00-0268 Bumper Strips For Impact Traffic Doors

(08 38 19 00-0267)

Note: Includes two bumpers per set.

08 38 19 00-0269	SET	24" Wide, Bumper Strips For Impact Traffic Doors	303.08	54.26
08 38 19 00-0270	SET	30" Wide, Bumper Strips For Impact Traffic Doors	336.70	54.26
08 38 19 00-0271	SET	36" Wide, Bumper Strips For Impact Traffic Doors	363.60	54.26
08 38 19 00-0272	SET	48" Wide, Bumper Strips For Impact Traffic Doors	410.68	54.26

08 38 19 00-0273 Easy Spring Bumpers For Impact Traffic Doors

(08 38 19 00-0267)

Note: Includes two bumpers per set.

08 38 19 00-0274	SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors	847.79	54.26
08 38 19 00-0275	SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors	1,130.24	54.26
08 38 19 00-0276	SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors	1,674.95	54.26
08 38 19 00-0277	SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors	1,937.22	54.26
08 38 19 00-0278	SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors	2,206.21	54.26

08 38 19 00-0279 Scuff Plates For Impact Traffic Doors

(08 38 19 00-0267)

Note: Includes two 0.090" thermoplastic plates per set.

08 38 19 00-0280 12" High, Scuff Plates For Impact Traffic Doors

(08 38 19 00-0279)

08 38 19 00-0281	SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates.....	363.60	54.26
08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates.....	390.50	54.26
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates.....	424.13	54.26
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates.....	471.20	54.26
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates.....	498.10	54.26

08 38 19 00-0286 24" High, Scuff Plates For Impact Traffic Doors

(08 38 19 00-0279)

08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates.....	498.10	54.26
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates.....	619.15	54.26
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates.....	686.40	54.26
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates.....	780.54	54.26
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates.....	841.07	54.26

08 38 19 00-0292 30" High, Scuff Plates For Impact Traffic Doors

(08 38 19 00-0279)

08 38 19 00-0293	SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates.....	619.15	54.26
08 38 19 00-0294	SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates.....	726.74	54.26
08 38 19 00-0295	SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates.....	807.44	54.26
08 38 19 00-0296	SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates.....	955.39	54.26
08 38 19 00-0297	SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates.....	1,056.26	54.26

08 38 19 00-0298 36" High, Scuff Plates For Impact Traffic Doors

(08 38 19 00-0279)

08 38 19 00-0299	SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates.....	686.40	54.26
08 38 19 00-0300	SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates.....	807.44	54.26
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates.....	941.94	54.26
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates.....	1,015.91	54.26
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates.....	1,130.24	54.26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0304		48" High, Scuff Plates For Impact Traffic Doors (08 38 19 00-0279)		
08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates	841.07	54.26
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates	1,056.26	54.26
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates	1,130.24	54.26
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates	1,271.46	54.26
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates	1,426.13	54.26
08 38 19 00-0310		Base Plates For Impact Traffic Doors (08 38 19 00-0267) Note: Includes two base plates per set.		
08 38 19 00-0311		Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0312		12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	350.15	54.26
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	377.05	54.26
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	390.50	54.26
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	451.03	54.26
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	477.93	54.26
08 38 19 00-0318		24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	451.03	54.26
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	491.38	54.26
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	531.72	54.26
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	565.35	54.26
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	619.15	54.26
08 38 19 00-0324		30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	518.27	54.26
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	551.90	54.26
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	632.60	54.26
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	720.02	54.26
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	760.37	54.26
08 38 19 00-0330		36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0331	SET	24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	551.90	54.26
08 38 19 00-0332	SET	30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	619.15	54.26
08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	720.02	54.26
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	800.72	54.26
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	847.79	54.26
08 38 19 00-0336		48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)		
08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	706.57	54.26
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	800.72	54.26
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	928.49	54.26
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	989.01	54.26
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	1,069.71	54.26
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	471.20	54.26
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	498.10	54.26
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	578.80	54.26
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	619.15	54.26
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	733.47	54.26
08 38 19 00-0349		24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	659.50	54.26
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	780.54	54.26
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	901.59	54.26
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,049.54	54.26
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,184.03	54.26
08 38 19 00-0355		30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	753.64	54.26
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	915.04	54.26
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,062.99	54.26
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,217.66	54.26
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,399.23	54.26
08 38 19 00-0361		36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)		

08 Openings
08 30 Specialty Doors and Frames
08 38 Traffic Doors

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	874.69	54.26
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,049.54	54.26
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,251.28	54.26
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,446.30	54.26
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,614.43	54.26
08 38 19 00-0367 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)				
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,089.89	54.26
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,506.83	54.26
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,614.43	54.26
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,937.22	54.26
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,125.51	54.26
08 38 19 00-0373 One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)				
08 38 19 00-0374 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)				
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	417.40	54.26
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	451.03	54.26
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	491.38	54.26
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	538.45	54.26
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	612.42	54.26
08 38 19 00-0380 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)				
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	565.35	54.26
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	646.05	54.26
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	726.74	54.26
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	814.17	54.26
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	915.04	54.26
08 38 19 00-0386 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)				
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	646.05	54.26
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	746.92	54.26
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	861.24	54.26
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,002.46	54.26
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,096.61	54.26
08 38 19 00-0392 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)				
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	726.74	54.26
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	861.24	54.26
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,002.46	54.26
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,143.69	54.26
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,244.56	54.26
08 38 19 00-0398 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)				
08 38 19 00-0399	SET	24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	915.04	54.26
08 38 19 00-0400	SET	30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,123.51	54.26
08 38 19 00-0401	SET	36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,244.56	54.26
08 38 19 00-0402	SET	42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,486.65	54.26
08 38 19 00-0403	SET	48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,553.90	54.26
08 38 19 00-0404 Jamb Guards For Impact Traffic Doors (08 38 19 00-0267)				
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors	572.18	67.82
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors	773.93	67.82
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	1,513.66	67.82
08 38 19 00-0408 Other Impact Traffic Door Accessories (08 38 19 00-0267)				
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors	141.51	33.91
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors	188.58	33.91
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors	477.75	33.91
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors	598.80	33.91
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors	235.66	33.91
08 38 19 00-0414 Impact Traffic Door Knock Down Frames (08 38 19)				
Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.				
08 38 19 00-0415 Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)				
08 38 19 00-0416 84" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0417	EA		24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,404.60	101.74
08 38 19 00-0418	EA		28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,653.72	111.90
08 38 19 00-0419	EA		30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,690.14	118.69
08 38 19 00-0420	EA		32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,730.47	128.86
08 38 19 00-0421	EA		36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,769.80	135.65
08 38 19 00-0422	EA		40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,845.02	142.43
08 38 19 00-0423	EA		42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,899.88	149.22
08 38 19 00-0424	EA		44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,936.04	155.99

08 38 19 00-0425 90" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)

08 38 19 00-0426	EA		24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,434.59	101.74
08 38 19 00-0427	EA		28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,689.43	111.90
08 38 19 00-0428	EA		30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,726.47	118.69
08 38 19 00-0429	EA		32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,767.29	128.86
08 38 19 00-0430	EA		36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,807.26	135.65
08 38 19 00-0431	EA		40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,884.02	142.43
08 38 19 00-0432	EA		42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,939.89	149.22
08 38 19 00-0433	EA		44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,976.66	155.99

08 38 19 00-0434 96" Height, Single Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0415)

08 38 19 00-0435	EA		24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,474.47	101.74
08 38 19 00-0436	EA		28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,736.91	111.90
08 38 19 00-0437	EA		30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,774.69	118.69
08 38 19 00-0438	EA		32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,804.38	128.86
08 38 19 00-0439	EA		36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,857.02	135.65
08 38 19 00-0440	EA		40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,923.02	142.43
08 38 19 00-0441	EA		42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,993.08	149.22
08 38 19 00-0442	EA		44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,033.55	152.60

08 38 19 00-0443 Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0414)

08 38 19 00-0444 84" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)

08 38 19 00-0445	EA		48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,970.67	155.99
08 38 19 00-0446	EA		56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,002.02	158.71
08 38 19 00-0447	EA		60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,041.41	162.77
08 38 19 00-0448	EA		64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,093.63	169.56
08 38 19 00-0449	EA		72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,125.69	176.34
08 38 19 00-0450	EA		80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,198.34	177.70
08 38 19 00-0451	EA		84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,246.90	179.73
08 38 19 00-0452	EA		88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,305.23	183.13

08 38 19 00-0453 90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)

08 38 19 00-0454	EA		48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,012.10	155.99
08 38 19 00-0455	EA		56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,044.05	158.71
08 38 19 00-0456	EA		60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,084.31	162.77
08 38 19 00-0457	EA		64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,137.48	169.56
08 38 19 00-0458	EA		72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,170.07	176.34
08 38 19 00-0459	EA		80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,244.40	177.70
08 38 19 00-0460	EA		84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,294.07	179.73
08 38 19 00-0461	EA		88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,353.71	183.13

08 38 19 00-0462 96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)

08 38 19 00-0463	EA		48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,060.45	155.99
08 38 19 00-0464	EA		56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,086.01	158.71
08 38 19 00-0465	EA		60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,141.27	162.77
08 38 19 00-0466	EA		64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,181.33	169.56
08 38 19 00-0467	EA		72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,228.91	176.34
08 38 19 00-0468	EA		80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,312.32	177.70
08 38 19 00-0469	EA		84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,356.75	179.73
08 38 19 00-0470	EA		88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,406.62	183.13

08 40 Entrances, Storefronts, and Curtain Walls (08)

08 42 Entrances (08 40)

08 42 13 Aluminum-Framed Entrances (08 42)

08 42 13 00-0001 Aluminum Framed Entrance Doors (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2103 for exit device, 08 71 11 00-2259 for closer.

08 42 13 00-0002	EA		3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	5,006.24	763.96
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Note: Including Glazing, Trim And Hardware

For Bronze Finish, Add	428.56
For Black Finish, Add	1,230.85
For 8' High Door, Add	444.00
For 10' High Door, Add	965.22
For 1" Insulated Glazing, Add	164.44

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	5,145.79		839.55
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add	431.33		
		For Black Finish, Add	1,238.82		
		For 8' High Door, Add	446.88		
		For 10' High Door, Add	971.47		
		For 1" Insulated Glazing, Add	164.44		
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	8,404.29		1,145.71
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add	742.55		
		For Black Finish, Add	2,132.67		
		For 8' High Door, Add	769.31		
		For 10' High Door, Add	1,672.42		
		For 1" Insulated Glazing, Add	328.89		
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors.....	9,798.96		1,248.44
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add	879.18		
		For Black Finish, Add	2,525.08		
		For 8' High Door, Add	910.87		
		For 10' High Door, Add	1,980.14		
		For 1" Insulated Glazing, Add	328.89		
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	5,531.62		763.96
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add	486.87		
		For Black Finish, Add	1,398.34		
		For 8' High Door, Add	504.42		
		For 10' High Door, Add	1,096.56		
		For 1" Insulated Glazing, Add	164.44		
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	5,703.69		839.55
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add	493.26		
		For Black Finish, Add	1,416.68		
		For 8' High Door, Add	511.04		
		For 10' High Door, Add	1,110.95		
		For 1" Insulated Glazing, Add	164.44		
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	9,397.51		1,145.71
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add	852.80		
		For Black Finish, Add	2,449.31		
		For 8' High Door, Add	883.53		
		For 10' High Door, Add	1,920.73		
		For 1" Insulated Glazing, Add	328.89		
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	10,763.18		1,248.44
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add	986.21		
		For Black Finish, Add	2,832.47		
		For 8' High Door, Add	1,021.75		
		For 10' High Door, Add	2,221.20		
		For 1" Insulated Glazing, Add	328.89		

08 42 26 All-Glass Entrances (08 42)**08 42 26 00-0001 Full Glass Entrance Doors (08 42 26)**

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA	3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door	8,006.30		286.34
		Note: Including Trim And Hardware			
		For Anodized Color, Add	1,234.97		
		For Stainless Steel, Add	4,459.60		
		For 8' High Door, Add	789.01		
		For 10' High Door, Add	1,715.23		
		For 1" Insulated Glazing, Add	164.44		
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2")	14,590.53		343.61
		Note: Including Trim And Hardware			
		For Anodized Color, Add	2,331.77		
		For Stainless Steel, Add	8,420.30		
		For 8' High Door, Add	1,489.74		
		For 10' High Door, Add	3,238.58		
		For 1" Insulated Glazing, Add	328.89		
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door	9,242.33		286.34
		Note: Including Trim And Hardware			
		For Anodized Color, Add	1,457.45		
		For Stainless Steel, Add	5,263.02		
		For 8' High Door, Add	931.15		
		For 10' High Door, Add	2,024.24		
		For 1" Insulated Glazing, Add	164.44		
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8")	17,251.79		343.61
		Note: Including Trim And Hardware			
		For Anodized Color, Add	2,810.80		
		For Stainless Steel, Add	10,150.11		
		For 8' High Door, Add	1,795.79		
		For 10' High Door, Add	3,903.89		
		For 1" Insulated Glazing, Add	328.89		
08 42 26 00-0006	EA	3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door	10,473.52		286.34
		Note: Including Trim And Hardware			
		For Anodized Color, Add	1,679.07		
		For Stainless Steel, Add	6,063.30		
		For 8' High Door, Add	1,072.74		
		For 10' High Door, Add	2,332.04		
		For 1" Insulated Glazing, Add	164.44		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 42 26 00-0007	PR		6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4") Note: Including Trim And Hardware For Anodized Color, Add For Stainless Steel, Add For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	19,908.71 3,289.05 11,877.11 2,101.34 4,568.12 328.89	343.61
08 42 26 00-0008	EA		3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door..... Note: Including Trim And Hardware For Anodized Color, Add For Stainless Steel, Add For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	12,940.68 2,123.16 7,666.95 1,356.46 2,948.83 164.44	286.34
08 42 26 00-0009	PR		6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1") Note: Including Trim And Hardware For Anodized Color, Add For Stainless Steel, Add For 8' High Door, Add For 10' High Door, Add For 1" Insulated Glazing, Add	25,226.85 4,246.31 15,333.90 2,712.92 5,897.66 328.89	343.61
08 42 26 00-0010 Frames For Full Glass Doors (08 42 26)					
08 42 26 00-0011	LF		Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	34.82	3.43
08 42 26 00-0012	LF		Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	44.71	4.58

08 42 29 Automatic Entrances (08 42)

08 42 29 23 Sliding Automatic Entrances (08 42 29)

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 42 29 23-0001	Bronze Finished Framed Sliding Automatic Entrances (08 42 29 23)				
08 42 29 23-0002	2 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001) Note: Single sliding.				
08 42 29 23-0003	EA	5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,784.10	114.53	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	341.63		
		For Emergency Egress On All Panels, Add	911.01		
08 42 29 23-0004	EA	6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,271.93	154.63	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	372.20		
		For Emergency Egress On All Panels, Add	992.54		
08 42 29 23-0005	EA	7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,729.06	171.81	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	403.91		
		For Emergency Egress On All Panels, Add	1,077.09		
08 42 29 23-0006	EA	8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	6,172.57	188.99	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	434.60		
		For Emergency Egress On All Panels, Add	1,158.92		
08 42 29 23-0007	EA	10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,141.73	229.07	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	576.27		
		For Emergency Egress On All Panels, Add	1,536.72		
08 42 29 23-0008	EA	12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,403.27	269.16	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	589.87		
		For Emergency Egress On All Panels, Add	1,572.99		
08 42 29 23-0009	EA	15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	11,316.35	309.25	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	802.34		
		For Emergency Egress On All Panels, Add	2,139.57		
08 42 29 23-0010	4 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001) Note: Bi-parting.				
08 42 29 23-0011	EA	12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	9,487.04	286.34	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	668.58		
		For Emergency Egress On All Panels, Add	1,782.87		
08 42 29 23-0012	EA	14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	10,400.41	314.97	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	732.78		
		For Emergency Egress On All Panels, Add	1,954.09		
08 42 29 23-0013	EA	16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	11,313.78	343.61	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	796.99		
		For Emergency Egress On All Panels, Add	2,125.31		
08 42 29 23-0014	EA	18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	13,750.13	372.24	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	975.42		
		For Emergency Egress On All Panels, Add	2,601.13		
08 42 29 23-0015	EA	20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	16,186.51	400.76	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	1,153.86		
		For Emergency Egress On All Panels, Add	3,076.95		
08 42 29 23-0016	Aluminum Finished Framed Sliding Automatic Entrances (08 42 29 23)				
08 42 29 23-0017	2 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Single sliding.				
08 42 29 23-0018	EA	5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,354.96	114.53	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	309.44		
		For Emergency Egress On All Panels, Add	825.18		
08 42 29 23-0019	EA	6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,804.43	154.63	
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	337.14		
		For Emergency Egress On All Panels, Add	899.04		

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 42 29 23-0020	EA 7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,213.84 365.27 974.05		171.81
08 42 29 23-0021	EA 8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,626.66 393.65 1,049.74		188.99
08 42 29 23-0022	EA 9'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	6,522.28 457.82 1,220.85		209.03
08 42 29 23-0023	EA 10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	7,417.92 521.98 1,391.95		229.07
08 42 29 23-0024	EA 12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	7,662.33 534.30 1,424.80		269.16
08 42 29 23-0025	EA 15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	10,308.62 726.76 1,938.02		309.25
08 42 29 23-0026	4 Panel, Aluminum Finished Framed Sliding Automatic Entrance (08 42 29 23-0016) Note: Bi-parting.			
08 42 29 23-0027	EA 10'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,214.92 575.32 1,534.17		272.02
08 42 29 23-0028	EA 12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,647.28 605.60 1,614.92		286.34
08 42 29 23-0029	EA 14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	9,479.96 663.75 1,770.00		314.97
08 42 29 23-0030	EA 16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	10,312.64 721.91 1,925.08		343.61
08 42 29 23-0031	EA 18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	12,524.92 883.53 2,356.09		372.24
08 42 29 23-0032	EA 20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	14,737.22 1,045.16 2,787.09		400.76
08 42 29 23-0033	Stanley Automatic Slide Doors (08 42 29 23-0016)			
08 42 29 23-0034	EA Single Slide, Dura Glide 2000 Slide Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, OR entry, and OR back entry applications. For Special Finish, Add For Access Control Belt Lock, Add For Smoke Evacuation, Add For Push Plate/Touchless Activation, Add For Aluminum Transom, Add For Added Panel, Add For 1/2" Clear Glass, Add	9,924.00 1,240.50 2,584.38 723.62 516.88 930.38 1,757.38 2,377.62		
08 42 29 23-0035	EA Single Slide, Dura Glide 3000 All Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, auto ICU, and latching applications. For Special Finish, Add For Access Control Belt Lock, Add For Smoke Evacuation, Add For Push Plate/Touchless Activation, Add For Aluminum Transom, Add For Added Panel, Add For 1/2" Clear Glass, Add	10,234.12 1,240.50 2,791.12 723.62 516.88 930.38 1,757.38 2,791.12		
08 42 29 23-0036	EA Single Slide, Dura Glide 5200 Lead Slide Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, and OR with latching applications. For Special Finish, Add For Access Control Belt Lock, Add For Push Plate/Touchless Activation, Add For Aluminum Transom, Add For Added Panel, Add	14,989.38 1,240.50 2,584.38 516.88 930.38 1,757.38		
08 42 29 23-0037	EA Single Slide, Dura Glide 5300 All Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, and OR with latching applications. For Special Finish, Add For Access Control Belt Lock, Add For Push Plate/Touchless Activation, Add For Aluminum Transom, Add For Added Panel, Add	15,402.88 1,240.50 2,791.12 516.88 930.38 1,757.38		
08 42 29 23-0038	EA Bi Part Slide, Dura Glide 2000 Slide Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, OR entry, and OR back entry applications. For Special Finish, Add For Access Control Belt Lock, Add For Smoke Evacuation, Add For Push Plate/Touchless Activation, Add For Aluminum Transom, Add For Added Panel, Add For 1/2" Clear Glass, Add	12,818.50 2,274.25 2,584.38 723.62 516.88 930.38 1,757.38 2,377.62		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0039	EA		Bi Part Slide, Dura Glide 3000 All Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, auto ICU, and latching applications. For Special Finish, Add For Access Control Belt Lock, Add For Smoke Evacuation, Add For Push Plate/Touchless Activation, Add For Aluminum Transom, Add For Added Panel, Add For 1/2" Clear Glass, Add	13,128.62 2,274.25 2,791.12 723.62 516.88 930.38 1,757.38 2,791.12	
08 42 29 23-0040	EA		Bi Part Slide, Dura Glide 5200 Lead Slide Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, and OR with latching applications. For Special Finish, Add For Access Control Belt Lock, Add For Push Plate/Touchless Activation, Add For Aluminum Transom, Add For Added Panel, Add	18,504.12 2,274.25 2,584.38 516.88 930.38 1,757.38	
08 42 29 23-0041	EA		Bi Part Slide, Dura Glide 5300 All Panel, Swing Out, Stanley Automatic Slide Door Note: Includes slide door safety sensor. Vestibule entry, suite entry, parking garage, and OR with latching applications. For Special Finish, Add For Access Control Belt Lock, Add For Push Plate/Touchless Activation, Add For Aluminum Transom, Add For Added Panel, Add	18,917.62 2,274.25 2,791.12 516.88 930.38 1,757.38	
08 42 29 23-0042	EA		Dura Max 5400 All Panel, Swing Out, Stanley Automatic Slide Door With Glass Note: Includes slide door safety sensor. Vestibule entry, suite entry, and parking garage applications. For Special Finish, Add For Access Control Belt Lock, Add For Push Plate/Touchless Activation, Add For Aluminum Transom, Add For Added Panel, Add	14,369.12 2,274.25 2,274.25 516.88 930.38 1,757.38	
08 42 29 23-0043			Stainless Steel Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0044			2 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0043) Note: Single sliding.		
08 42 29 23-0045	EA		5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	5,509.39 396.02 1,056.06	114.53
08 42 29 23-0046	EA		6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	6,062.19 431.47 1,150.59	154.63
08 42 29 23-0047	EA		7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	7,060.89 503.80 1,343.46	171.81
08 42 29 23-0048	EA		8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	8,118.13 580.51 1,548.03	188.99
08 42 29 23-0049	EA		10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	9,365.26 668.03 1,781.42	229.07
08 42 29 23-0050	EA		12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	9,655.62 683.80 1,823.46	269.16
08 42 29 23-0051	EA		15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	13,019.92 930.11 2,480.28	309.25
08 42 29 23-0052			4 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0043) Note: Bi-parting.		
08 42 29 23-0053	EA		12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	10,906.56 775.04 2,066.78	286.34
08 42 29 23-0054	EA		14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	11,956.20 849.47 2,265.25	314.97
08 42 29 23-0055	EA		16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	13,005.84 923.90 2,463.72	343.61
08 42 29 23-0056	EA		18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	15,821.09 1,130.75 3,015.32	372.24
08 42 29 23-0057	EA		20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add	18,636.36 1,337.60 3,566.92	400.87
08 42 29 23-0058			Accessories For Sliding Automatic Entrances (08 42 29 23) See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0059	EA		Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (2 panels).	10,640.27	1,356.48
08 42 29 23-0060	EA		Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (4 panel).	18,134.03	2,034.71

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 42 29 33 Swinging Automatic Entrances (08 42 29)

Note: Excludes glazing.

08 42 29 33-0001	EA	Swing Door Operators, Up To 350 Lb. Panel Weight (08 42 29 33) Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 Lb. Panel..... Note: For new storefront or existing concealed operator installations.	4,631.32	648.28
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel..... Note: For new storefront or existing concealed operator installations.	7,966.86	864.42
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 Lb. Panel.....	3,851.26	518.62
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel.....	6,923.89	777.94
08 42 29 33-0006	EA	Activation Devices For Door Operators (08 42 29 33)		
08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) Note: Includes wiring harness and relays.	456.51	51.87
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS) Note: Includes wiring harness and relays.	406.50	51.87
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38) Note: Includes wiring harness and relays.	410.49	51.87
08 42 29 33-0010	EA	4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H) Note: Excludes wiring from operator to push plate.	212.24	51.87
08 42 29 33-0011	EA	1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H) Note: Excludes wiring from operator to push button.	228.00	51.87
08 42 29 33-0012	EA	1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425) Note: Excludes wiring from operator to push button.	147.65	51.87
08 42 29 33-0013	EA	Radio Control System For Door Operator (MS Sedco Clearpath) Note: Includes receiver and two push plate transmitters.	724.88	129.66
		For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	-64.00	
08 42 29 33-0014	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision)..... Note: Includes wiring harness and relays.	974.47	64.82
08 42 29 33-0015	EA	Guard Rail For Door With Operator	272.56	64.82

08 42 33 Revolving Door Entrances (08 42)

08 42 33 00-0001	EA	Aluminum Revolving Doors (08 42 33) Note: Includes 3/4" tempered glass.		
08 42 33 00-0002	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware For Automatic Controls, Add For Powder Coated, Add	41,385.30 8,672.58 1,560.65	6,950.07
08 42 33 00-0003	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware For Automatic Controls, Add For Powder Coated, Add	56,234.25 10,583.87 1,961.13	10,425.27
08 42 33 00-0004	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware For Automatic Controls, Add For Powder Coated, Add	84,631.06 11,730.64 3,468.10	12,510.26
08 42 33 00-0005	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware For Automatic Controls, Add For Powder Coated, Add	46,036.83 9,062.64 1,747.75	7,645.02
08 42 33 00-0006	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware For Automatic Controls, Add For Powder Coated, Add	62,220.83 11,105.13 2,196.25	11,468.16
08 42 33 00-0007	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware For Automatic Controls, Add For Powder Coated, Add	94,502.90 12,495.16 3,883.89	13,761.28

08 42 33 00-0008 Stainless Steel Revolving Doors (08 42 33)

Note: Includes 3/4" tempered glass.

08 42 33 00-0009	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware For Automatic Controls, Add	42,419.83 8,672.58	6,950.07
08 42 33 00-0010	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware For Automatic Controls, Add	57,534.27 10,583.87	10,425.27
08 42 33 00-0011	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware For Automatic Controls, Add	86,930.03 11,730.64	12,510.26
08 42 33 00-0012	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware For Automatic Controls, Add	47,198.16 9,062.64	7,645.02
08 42 33 00-0013	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware For Automatic Controls, Add	63,680.17 11,105.13	11,468.16
08 42 33 00-0014	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware For Automatic Controls, Add	97,083.63 12,495.16	13,761.28

08 42 33 00-0015 Bronze Revolving Doors (08 42 33)

Note: Includes 3/4" tempered glass.

08 42 33 00-0016	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware For Automatic Controls, Add	38,771.41 8,672.58	6,950.07
08 42 33 00-0017	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware For Automatic Controls, Add	52,949.60 10,583.87	10,425.27
08 42 33 00-0018	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware For Automatic Controls, Add	78,822.41 11,730.64	12,510.26
08 42 33 00-0019	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware For Automatic Controls, Add	43,111.92 9,062.64	7,645.02
08 42 33 00-0020	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware For Automatic Controls, Add	58,545.35 11,105.13	11,468.16

			Openings	08	88
			Entrances, Storefronts, and Curtain Walls	08 40	
			Entrances	08 42	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

08 42 33 00-0021	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware For Automatic Controls, Add	88,003.10 12,495.16	13,761.28	
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08 42 36 Balanced Door Entrances (08 42)

08 42 36 00-0001		Balanced Doors, With Glass (08 42 36) Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.			
08 42 36 00-0002	EA	2'-6" x 7'-0" Balanced Door, Stainless Steel For Bronze Instead Of Stainless Steel, Deduct For 70% Fluoropolymer Exterior Finish (Duranar), Add For Tinted Glass, Add For Aluminum, Painted Finish, Deduct	14,663.37 -3,433.60 1,373.44 686.72 -4,120.32	371.47	
08 42 36 00-0003	EA	3'-0" x 7'-0" Balanced Door, Stainless Steel For Bronze Instead Of Stainless Steel, Deduct For 70% Fluoropolymer Exterior Finish (Duranar), Add For Tinted Glass, Add For Aluminum, Painted Finish, Deduct	15,221.12 -3,573.04 1,429.22 714.61 -4,287.65	371.47	
08 42 36 00-0004	EA	3'-6" x 7'-0" Balanced Door, Stainless Steel For Bronze Instead Of Stainless Steel, Deduct For 70% Fluoropolymer Exterior Finish (Duranar), Add For Tinted Glass, Add For Aluminum, Painted Finish, Deduct	16,575.76 -3,911.70 1,564.68 782.34 -4,694.04	371.47	
08 42 36 00-0005	EA	4'-0" x 7'-0" Balanced Door, Stainless Steel For Bronze Instead Of Stainless Steel, Deduct For 70% Fluoropolymer Exterior Finish (Duranar), Add For Tinted Glass, Add For Aluminum, Painted Finish, Deduct	18,169.50 -4,310.14 1,724.05 862.03 -5,172.16	371.47	
08 42 36 00-0006	PR	Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel For Bronze Instead Of Stainless Steel, Deduct For 70% Fluoropolymer Exterior Finish (Duranar), Add For Tinted Glass, Add For Aluminum, Painted Finish, Deduct	30,349.39 -7,146.09 2,858.44 1,429.22 -8,575.31	706.01	

08 43 Storefronts (08 40)

08 43 13 Aluminum-Framed Storefronts (08 43)

08 43 13 00-0001		Aluminum Storefront Framing Assembly (08 43 13) Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.			
08 43 13 00-0002		1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0003	SF	5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	28.97 0.97 2.92	8.41	
08 43 13 00-0004	SF	6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	26.03 0.87 2.62	7.57	
08 43 13 00-0005	SF	7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	23.93 0.80 2.40	6.98	
08 43 13 00-0006	SF	8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	22.37 0.75 2.24	6.53	
08 43 13 00-0007	SF	9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	21.14 0.71 2.12	6.18	
08 43 13 00-0008	SF	10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	20.17 0.67 2.02	5.91	
08 43 13 00-0009	SF	11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	19.36 0.65 1.94	5.68	
08 43 13 00-0010	SF	12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	18.70 0.62 1.87	5.49	
08 43 13 00-0011		1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.			
08 43 13 00-0012	SF	5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	37.80 1.27 3.81	11.00	
08 43 13 00-0013	SF	6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly For Various Color Class I Anodized Finish, Add For Black Color Class I Anodized Finish, Add	33.35 1.12 3.36	9.74	

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 43 13 00-0014	SF 7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.31		8.82
	For Various Color Class I Anodized Finish, Add	1.01		
	For Black Color Class I Anodized Finish, Add	3.04		
08 43 13 00-0015	SF 8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.94		8.14
	For Various Color Class I Anodized Finish, Add	0.93		
	For Black Color Class I Anodized Finish, Add	2.80		
08 43 13 00-0016	SF 9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.10		7.56
	For Various Color Class I Anodized Finish, Add	0.87		
	For Black Color Class I Anodized Finish, Add	2.62		
08 43 13 00-0017	SF 10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.58		7.22
	For Various Color Class I Anodized Finish, Add	0.82		
	For Black Color Class I Anodized Finish, Add	2.47		
08 43 13 00-0018	SF 11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.44		6.87
	For Various Color Class I Anodized Finish, Add	0.78		
	For Black Color Class I Anodized Finish, Add	2.34		
08 43 13 00-0019	SF 12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.41		6.53
	For Various Color Class I Anodized Finish, Add	0.75		
	For Black Color Class I Anodized Finish, Add	2.24		
08 43 13 00-0020 1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly (08 43 13 00-0001)				
Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.				
08 43 13 00-0021	SF 5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	46.65		13.51
	For Various Color Class I Anodized Finish, Add	1.57		
	For Black Color Class I Anodized Finish, Add	4.71		
08 43 13 00-0022	SF 6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	40.82		11.79
	For Various Color Class I Anodized Finish, Add	1.37		
	For Black Color Class I Anodized Finish, Add	4.11		
08 43 13 00-0023	SF 7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	36.60		10.65
	For Various Color Class I Anodized Finish, Add	1.23		
	For Black Color Class I Anodized Finish, Add	3.68		
08 43 13 00-0024	SF 8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	33.44		9.74
	For Various Color Class I Anodized Finish, Add	1.12		
	For Black Color Class I Anodized Finish, Add	3.36		
08 43 13 00-0025	SF 9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	30.92		9.04
	For Various Color Class I Anodized Finish, Add	1.04		
	For Black Color Class I Anodized Finish, Add	3.11		
08 43 13 00-0026	SF 10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.01		8.48
	For Various Color Class I Anodized Finish, Add	0.97		
	For Black Color Class I Anodized Finish, Add	2.91		
08 43 13 00-0027	SF 11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	27.42		8.02
	For Various Color Class I Anodized Finish, Add	0.92		
	For Black Color Class I Anodized Finish, Add	2.75		
08 43 13 00-0028	SF 12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.09		7.67
	For Various Color Class I Anodized Finish, Add	0.87		
	For Black Color Class I Anodized Finish, Add	2.61		
08 43 13 00-0029 2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001)				
Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.				
08 43 13 00-0030	SF 5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	29.86		8.82
	For Various Color Class I Anodized Finish, Add	0.99		
	For Black Color Class I Anodized Finish, Add	2.98		
08 43 13 00-0031	SF 6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.84		7.91
	For Various Color Class I Anodized Finish, Add	0.89		
	For Black Color Class I Anodized Finish, Add	2.67		
08 43 13 00-0032	SF 7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	24.56		7.33
	For Various Color Class I Anodized Finish, Add	0.81		
	For Black Color Class I Anodized Finish, Add	2.44		
08 43 13 00-0033	SF 8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.93		6.87
	For Various Color Class I Anodized Finish, Add	0.76		
	For Black Color Class I Anodized Finish, Add	2.27		
08 43 13 00-0034	SF 9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.63		6.41
	For Various Color Class I Anodized Finish, Add	0.71		
	For Black Color Class I Anodized Finish, Add	2.14		
08 43 13 00-0035	SF 10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.70		6.18
	For Various Color Class I Anodized Finish, Add	0.68		
	For Black Color Class I Anodized Finish, Add	2.03		
08 43 13 00-0036	SF 11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.75		5.95
	For Various Color Class I Anodized Finish, Add	0.65		
	For Black Color Class I Anodized Finish, Add	1.95		

			Openings	08	08
			Entrances, Storefronts, and Curtain Walls	08 40	
			Storefronts	08 43	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 43 13 00-0037	SF		12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	19.12 0.63 1.88	5.73
08 43 13 00-0038			2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0039	SF		5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	39.65 1.29 3.88	11.91
08 43 13 00-0040	SF		6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	34.88 1.14 3.41	10.53
08 43 13 00-0041	SF		7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	31.54 1.03 3.08	9.51
08 43 13 00-0042	SF		8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	29.00 0.94 2.83	8.82
08 43 13 00-0043	SF		9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	27.14 0.88 2.64	8.25
08 43 13 00-0044	SF		10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	25.46 0.83 2.48	7.78
08 43 13 00-0045	SF		11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	24.19 0.78 2.35	7.33
08 43 13 00-0046	SF		12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	23.14 0.75 2.25	6.99
08 43 13 00-0047			2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0048	SF		5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	47.93 1.59 4.77	14.20
08 43 13 00-0049	SF		6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	41.88 1.39 4.16	12.37
08 43 13 00-0050	SF		7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	37.50 1.24 3.72	11.11
08 43 13 00-0051	SF		8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	34.29 1.13 3.39	10.19
08 43 13 00-0052	SF		9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	31.73 1.04 3.13	9.40
08 43 13 00-0053	SF		10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	29.67 0.98 2.93	8.82
08 43 13 00-0054	SF		11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	28.05 0.92 2.76	8.36
08 43 13 00-0055	SF		12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	26.58 0.87 2.62	8.02
08 43 13 00-0056			2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 43 Storefronts**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 43 13 00-0057	SF 5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	37.01 1.40 4.21		9.04
08 43 13 00-0058	SF 6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	33.29 1.26 3.79		8.14
08 43 13 00-0059	SF 7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	30.69 1.16 3.48		7.44
08 43 13 00-0060	SF 8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	28.74 1.09 3.26		6.99
08 43 13 00-0061	SF 9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	27.19 1.03 3.08		6.65
08 43 13 00-0062	SF 10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	25.95 0.98 2.94		6.30
08 43 13 00-0063	SF 11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	24.97 0.94 2.82		6.07
08 43 13 00-0064	SF 12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	24.09 0.91 2.73		5.84
08 43 13 00-0065 2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.				
08 43 13 00-0066	SF 5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	48.89 1.83 5.48		12.15
08 43 13 00-0067	SF 6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	43.18 1.62 4.85		10.77
08 43 13 00-0068	SF 7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	39.17 1.46 4.39		9.74
08 43 13 00-0069	SF 8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	36.14 1.35 4.05		8.93
08 43 13 00-0070	SF 9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	33.75 1.26 3.79		8.36
08 43 13 00-0071	SF 10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	31.88 1.19 3.57		7.91
08 43 13 00-0072	SF 11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	30.35 1.13 3.40		7.56
08 43 13 00-0073	SF 12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	28.98 1.09 3.26		7.22
08 43 13 00-0074 2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly (08 43 13 00-0001) Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.				
08 43 13 00-0075	SF 5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	58.94 2.25 6.75		14.20
08 43 13 00-0076	SF 6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	51.82 1.97 5.91		12.60
08 43 13 00-0077	SF 7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	46.52 1.77 5.30		11.34
08 43 13 00-0078	SF 8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	42.62 1.62 4.85		10.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0079	SF		9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	39.51	9.62
			For Various Color Class I Anodized Finish, Add.....	1.50	
			For Black Color Class I Anodized Finish, Add.....	4.49	
08 43 13 00-0080	SF		10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	37.03	9.04
			For Various Color Class I Anodized Finish, Add.....	1.40	
			For Black Color Class I Anodized Finish, Add.....	4.21	
08 43 13 00-0081	SF		11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	34.95	8.48
			For Various Color Class I Anodized Finish, Add.....	1.33	
			For Black Color Class I Anodized Finish, Add.....	3.98	
08 43 13 00-0082	SF		12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	33.31	8.14
			For Various Color Class I Anodized Finish, Add.....	1.26	
			For Black Color Class I Anodized Finish, Add.....	3.79	
08 43 13 00-0083			Accessories For Aluminum Storefront Framing Assembly (08 43 13 00-0001)		
08 43 13 00-0084	LF		For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	37.74	7.62
08 43 13 00-0085	LF		For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	43.01	8.39
08 43 13 00-0086	LF		For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing.....	65.72	9.22
08 43 19			Stainless-Steel-Framed Storefronts (08 43)		
08 43 19 00-0001			Stainless Steel Storefront Framing Assembly (08 43 19) Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.		
08 43 19 00-0002	SF		Stainless Steel Storefront Framing Assembly.....	55.59	5.73
			For 70% Fluoropolymer Exterior Finish (Duranar), Add.....	4.69	
08 44			Curtain Wall and Glazed Assemblies (08 40)		
08 44 13			Glazed Aluminum Curtain Walls (08 44)		
08 44 13 00-0001			Curtain Walls (08 44 13)		
08 44 13 00-0002			Coping Sections (08 44 13 00-0001)		
08 44 13 00-0003	LF		Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section.....	71.08	3.43
			For Bronze Anodized Aluminum, Add.....	7.65	
			For Stainless Steel, Add.....	31.60	
			For Black Anodized Finish, Add.....	13.77	
08 44 13 00-0004	LF		Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section.....	73.80	3.43
			For Bronze Anodized Aluminum, Add.....	8.06	
			For Stainless Steel, Add.....	33.23	
			For Black Anodized Finish, Add.....	14.50	
08 44 13 00-0005	LF		Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section.....	88.78	4.58
			For Bronze Anodized Aluminum, Add.....	9.56	
			For Stainless Steel, Add.....	39.50	
			For Black Anodized Finish, Add.....	17.21	
08 44 13 00-0006			Sill Section (08 44 13 00-0001)		
08 44 13 00-0007	LF		Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section.....	59.81	2.29
			For Bronze Anodized Aluminum, Add.....	6.85	
			For Stainless Steel, Add.....	28.11	
			For Black Anodized Finish, Add.....	12.33	
08 44 13 00-0008	LF		Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section.....	64.69	2.29
			For Bronze Anodized Aluminum, Add.....	7.58	
			For Stainless Steel, Add.....	31.04	
			For Black Anodized Finish, Add.....	13.65	
08 44 13 00-0009	LF		Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section.....	69.63	2.29
			For Bronze Anodized Aluminum, Add.....	8.32	
			For Stainless Steel, Add.....	34.00	
			For Black Anodized Finish, Add.....	14.98	
08 44 13 00-0010			Aluminum Column Covers (08 44 13 00-0001) Note: Includes all clips and fasteners.		
08 44 13 00-0011	LF		Aluminum Column Covers, 1/8" x 26", Shaped.....	143.66	5.73
			For Bronze Anodized Aluminum, Add.....	16.71	
			For Stainless Steel, Add.....	68.45	
			For Black Anodized Finish, Add.....	30.08	
08 44 13 00-0012	LF		Aluminum Column Covers, 1/8" x 34", Shaped.....	176.40	5.73
			For Bronze Anodized Aluminum, Add.....	21.33	
			For Stainless Steel, Add.....	87.04	
			For Black Anodized Finish, Add.....	38.40	
08 44 13 00-0013	LF		Aluminum Column Covers, 1/8" x 38", Shaped.....	189.01	5.73
			For Bronze Anodized Aluminum, Add.....	23.22	
			For Stainless Steel, Add.....	94.60	
			For Black Anodized Finish, Add.....	41.80	
08 44 13 00-0014			Spandrel Covers (08 44 13 00-0001) Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		

08 Openings**08 40 Entrances, Storefronts, and Curtain Walls****08 44 Curtain Wall and Glazed Assemblies**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 44 13 00-0015	SF 1" Spandrel Cover, Aluminum Both Faces.....	57.94		2.29
	For Bronze Anodized Aluminum, Add	7.25		
	For Stainless Steel, Add	29.47		
	For Black Anodized Finish, Add	13.04		
08 44 13 00-0016	SF 1" Spandrel Cover, Aluminum Exterior Face.....	50.77		2.29
	For Bronze Anodized Aluminum, Add	6.17		
	For Stainless Steel, Add	25.17		
	For Black Anodized Finish, Add	11.11		
08 44 13 00-0017	SF 1" Spandrel Cover, Epoxy Both Faces.....	110.12		2.29
	For Bronze Anodized Aluminum, Add	15.07		
	For Stainless Steel, Add	60.78		
	For Black Anodized Finish, Add	27.13		
08 44 13 00-0018	SF 1" Spandrel Cover, Epoxy Exterior Face Only	89.91		2.29
	For Bronze Anodized Aluminum, Add	12.04		
	For Stainless Steel, Add	48.65		
	For Black Anodized Finish, Add	21.68		
08 44 13 00-0019	SF 2" Spandrel Cover, Aluminum Both Faces.....	65.12		2.29
	For Bronze Anodized Aluminum, Add	7.95		
	For Stainless Steel, Add	32.40		
	For Black Anodized Finish, Add	14.31		
08 44 13 00-0020	SF 2" Spandrel Cover, Aluminum Exterior Face.....	58.34		2.29
	For Bronze Anodized Aluminum, Add	6.93		
	For Stainless Steel, Add	28.33		
	For Black Anodized Finish, Add	12.48		
08 44 13 00-0021	SF 2" Spandrel Cover, Epoxy Both Faces.....	125.86		2.29
	For Bronze Anodized Aluminum, Add	17.06		
	For Stainless Steel, Add	68.84		
	For Black Anodized Finish, Add	30.71		
08 44 13 00-0022	SF 2" Spandrel Cover, Epoxy Exterior Face Only	102.54		2.29
	For Bronze Anodized Aluminum, Add	13.56		
	For Stainless Steel, Add	54.85		
	For Black Anodized Finish, Add	24.41		
08 44 13 00-0023	Curtain Wall, Aluminum System Framing Sections (08 44 13 00-0001)			
	Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.			
08 44 13 00-0024	LF Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls.....	86.53		2.29
	For Bronze Anodized Aluminum, Add	11.62		
	For Stainless Steel, Add	46.92		
	For Black Anodized Finish, Add	20.91		
08 44 13 00-0025	LF Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls.....	86.35		2.29
	For Bronze Anodized Aluminum, Add	11.62		
	For Stainless Steel, Add	46.91		
	For Black Anodized Finish, Add	20.91		
08 44 13 00-0026	LF Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	86.35		2.29
	For Bronze Anodized Aluminum, Add	11.62		
	For Stainless Steel, Add	46.91		
	For Black Anodized Finish, Add	20.91		
	For Corner Mullion, Add	20.70		
08 44 13 00-0027	LF Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls.....	106.28		4.58
	For Bronze Anodized Aluminum, Add	13.88		
	For Stainless Steel, Add	56.21		
	For Black Anodized Finish, Add	24.98		
08 44 13 00-0028	LF Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls.....	106.28		4.58
	For Bronze Anodized Aluminum, Add	13.88		
	For Stainless Steel, Add	56.21		
	For Black Anodized Finish, Add	24.98		
08 44 13 00-0029	LF Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	106.28		4.58
	For Bronze Anodized Aluminum, Add	13.88		
	For Stainless Steel, Add	56.21		
	For Black Anodized Finish, Add	24.98		
	For Corner Mullion, Add	25.20		
08 44 13 00-0030	LF Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls.....	116.68		5.04
	For Bronze Anodized Aluminum, Add	15.21		
	For Stainless Steel, Add	61.61		
	For Black Anodized Finish, Add	27.38		
08 44 13 00-0031	LF Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls.....	116.68		5.04
	For Bronze Anodized Aluminum, Add	15.21		
	For Stainless Steel, Add	61.61		
	For Black Anodized Finish, Add	27.38		
08 44 13 00-0032	LF Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	116.68		5.04
	For Bronze Anodized Aluminum, Add	15.21		
	For Stainless Steel, Add	61.61		
	For Black Anodized Finish, Add	27.38		
	For Corner Mullion, Add	27.64		
08 44 13 00-0033	LF Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls.....	127.31		5.73
	For Bronze Anodized Aluminum, Add	16.55		
	For Stainless Steel, Add	67.05		
	For Black Anodized Finish, Add	29.79		
08 44 13 00-0034	LF Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	127.31		5.73
	For Bronze Anodized Aluminum, Add	16.55		
	For Stainless Steel, Add	67.05		
	For Black Anodized Finish, Add	29.79		
08 44 13 00-0035	LF Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	127.31		5.73
	For Bronze Anodized Aluminum, Add	16.55		
	For Stainless Steel, Add	67.05		
	For Black Anodized Finish, Add	29.79		
	For Corner Mullion, Add	30.13		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 44 13 00-0036	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls.....	142.96	6.18
			For Bronze Anodized Aluminum, Add	18.67	
			For Stainless Steel, Add	75.59	
			For Black Anodized Finish, Add	33.60	
08 44 13 00-0037	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	142.96	6.18
			For Bronze Anodized Aluminum, Add	18.67	
			For Stainless Steel, Add	75.59	
			For Black Anodized Finish, Add	33.60	
08 44 13 00-0038	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	142.96	6.18
			For Bronze Anodized Aluminum, Add	18.67	
			For Stainless Steel, Add	75.59	
			For Black Anodized Finish, Add	33.60	
			For Corner Mullion, Add	33.89	
08 44 13 00-0039	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls.....	164.12	6.87
			For Bronze Anodized Aluminum, Add	21.43	
			For Stainless Steel, Add	86.78	
			For Black Anodized Finish, Add	38.57	
08 44 13 00-0040	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	164.12	6.87
			For Bronze Anodized Aluminum, Add	21.43	
			For Stainless Steel, Add	86.78	
			For Black Anodized Finish, Add	38.57	
08 44 13 00-0041	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	164.12	6.87
			For Bronze Anodized Aluminum, Add	21.43	
			For Stainless Steel, Add	86.78	
			For Black Anodized Finish, Add	38.57	
			For Corner Mullion, Add	38.91	

08 44 26 Structural Glass Curtain Walls (08 44)

08 44 26 16 Metal Framed Point Supported Glass Curtain Walls (08 44 26)

08 44 26 16-0001	Centria Exterior Closure Components (08 44 26 16)				
08 44 26 16-0002	SF		Centria CS-260, 210 Single Skin Metal Panel	71.98	21.73
			Note: Metal Panels include panel system base, vertical joints, vertical joint covers, foam and metal closure for vertical joints, clips and attachments. Includes extruded aluminum coping with two coats of 70% Mica Kynar finish factory installed.		
08 44 26 16-0003	SF		Centria Formawall Insulated Metal Panels	116.64	18.11
			Note: Includes two coats of 70% Mica Kynar finish factory installed. Includes base extrusion and coping extrusions.		
08 44 26 16-0004	LF		Centria Formawall Insulated Metal Panels Radius Column	191.82	30.18
			Note: Includes radius coping.		
08 44 26 16-0005	LF		Centria Formawall Insulated Metal Panels Coping	38.36	6.03
08 44 26 16-0006	SF		Centria Formawavue 3000 Thru Tube Window System Without Glass	134.64	28.97
			Note: 20 PSF wind load with 70% Mica Kynar two coat finish factory installed.		
08 44 26 16-0007	SF		Centria Formawavue 3000 Insulated Vision Units	24.46	
			Note: Vision insulated units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface.		
08 44 26 16-0008	SF		Centria Formawavue 3000 Insulated Silkscreen Pattern Units	47.33	
			Note: Silkscreen units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface and manufacturers standard silk screen (dots or lines) pattern on inboard lite.		
08 44 26 16-0009	LF		Centria Integrated Louver System	294.08	18.11
			Note: Factory installed 70% Mica Kynar two coat finish. Excludes blank-off panels or insect screens.		
08 44 26 16-0010	LF		Centria Integrated Sunshade System	1,363.78	127.95
			Note: Factory installed 70% Mica Kynar two coat finish.		
08 44 26 16-0011	Kalwall Exterior Closure Components (08 44 26 16)				
08 44 26 16-0012	SF		Kalwall Translucent Panel System Standard	165.49	24.14
			Note: 25 PSF wind load. Factory installed 70% Mica Kynar two coat finish.		
08 44 26 16-0013	SF		Kalwall Translucent Panel System High Impact.....	172.25	24.14
08 44 26 16-0014	EA		Wind Clips	394.41	
			Note: 2 per connection to steel tube includes all welding, fasteners, prep, and clean up.		
08 44 26 16-0015	EA		Sill Angle With Welded Support Angles For The Kalwall System	460.15	
			Note: Includes all welding, fasteners, prep, and clean up.		
08 44 26 16-0016	EA		Kalwall Head Channel At Coping (Galvanized 16 Gauge 2 x 4.5").....	21.04	
08 44 26 16-0017	EA		Kalwall Head Channel At Corners (Galvanized 16 Gauge 2 x 4.5")	92.03	

08 45 Translucent Wall and Roof Assemblies (08 40)

08 45 23 Fiberglass-Sandwich-Panel Assemblies (08 45)

08 45 23 00-0001	Translucent Fiberglass Sandwich-Panels 2-3/4" Thick (08 45 23)				
08 45 23 00-0002	SF		<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	139.43	6.53
			For Aluminum Frame, Add	12.96	
08 45 23 00-0003	SF		>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	127.76	5.56
			For Aluminum Frame, Add	11.94	

08 50 Windows (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows (08 50)

08 51 13 Aluminum Windows (08 51)

See CSI section 08 80 00 00-0000 for glazing.

08 Openings**08 50 Windows****08 51 Metal Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 51 13 00-0001	Aluminum Windows (08 51 13)		
	Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.		
08 51 13 00-0002	Single Hung Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0003	2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) (08 51 13 00-0002)		
08 51 13 00-0004	EA Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,261.15	130.22
	For 50% Fluoropolymer Finish (Acrynar), Add	20.88	
	For 70% Fluoropolymer Finish (Duramar), Add	62.65	
	For Clear Anodized Finish, Add	52.21	
	For Color Anodized Finish, Add	73.09	
08 51 13 00-0005	EA >6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,435.88	138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	24.11	
	For 70% Fluoropolymer Finish (Duramar), Add	72.32	
	For Clear Anodized Finish, Add	60.26	
	For Color Anodized Finish, Add	84.37	
08 51 13 00-0006	EA >10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,582.58	146.50
	For 50% Fluoropolymer Finish (Acrynar), Add	26.77	
	For 70% Fluoropolymer Finish (Duramar), Add	80.31	
	For Clear Anodized Finish, Add	66.92	
	For Color Anodized Finish, Add	93.69	
08 51 13 00-0007	EA >15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,701.26	154.64
	For 50% Fluoropolymer Finish (Acrynar), Add	28.87	
	For 70% Fluoropolymer Finish (Duramar), Add	86.61	
	For Clear Anodized Finish, Add	72.18	
	For Color Anodized Finish, Add	101.05	
08 51 13 00-0008	EA >20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,988.12	162.77
	For 50% Fluoropolymer Finish (Acrynar), Add	34.34	
	For 70% Fluoropolymer Finish (Duramar), Add	103.01	
	For Clear Anodized Finish, Add	85.84	
	For Color Anodized Finish, Add	120.18	
08 51 13 00-0009	SF >30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	65.39	4.89
	For 50% Fluoropolymer Finish (Acrynar), Add	1.15	
	For 70% Fluoropolymer Finish (Duramar), Add	3.44	
	For Clear Anodized Finish, Add	2.86	
	For Color Anodized Finish, Add	4.01	
08 51 13 00-0010	3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) (08 51 13 00-0002)		
08 51 13 00-0011	EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,003.94	130.22
	For 50% Fluoropolymer Finish (Acrynar), Add	35.74	
	For 70% Fluoropolymer Finish (Duramar), Add	107.21	
	For Clear Anodized Finish, Add	89.35	
	For Color Anodized Finish, Add	125.08	
08 51 13 00-0012	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,241.74	138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	40.22	
	For 70% Fluoropolymer Finish (Duramar), Add	120.67	
	For Clear Anodized Finish, Add	100.56	
	For Color Anodized Finish, Add	140.78	
08 51 13 00-0013	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,437.49	146.50
	For 50% Fluoropolymer Finish (Acrynar), Add	43.87	
	For 70% Fluoropolymer Finish (Duramar), Add	131.60	
	For Clear Anodized Finish, Add	109.67	
	For Color Anodized Finish, Add	153.53	
08 51 13 00-0014	EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,626.24	154.64
	For 50% Fluoropolymer Finish (Acrynar), Add	47.37	
	For 70% Fluoropolymer Finish (Duramar), Add	142.11	
	For Clear Anodized Finish, Add	118.43	
	For Color Anodized Finish, Add	165.80	
08 51 13 00-0015	EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	3,165.37	162.77
	For 50% Fluoropolymer Finish (Acrynar), Add	57.88	
	For 70% Fluoropolymer Finish (Duramar), Add	173.64	
	For Clear Anodized Finish, Add	144.70	
	For Color Anodized Finish, Add	202.58	
08 51 13 00-0016	SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	104.63	4.89
	For 50% Fluoropolymer Finish (Acrynar), Add	1.93	
	For 70% Fluoropolymer Finish (Duramar), Add	5.79	
	For Clear Anodized Finish, Add	4.82	
	For Color Anodized Finish, Add	6.75	
08 51 13 00-0017	3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)		
08 51 13 00-0018	EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,130.07	130.22
	For 50% Fluoropolymer Finish (Acrynar), Add	38.26	
	For 70% Fluoropolymer Finish (Duramar), Add	114.78	
	For Clear Anodized Finish, Add	95.65	
	For Color Anodized Finish, Add	133.91	
08 51 13 00-0019	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,416.92	138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	43.73	
	For 70% Fluoropolymer Finish (Duramar), Add	131.18	
	For Clear Anodized Finish, Add	109.32	
	For Color Anodized Finish, Add	153.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	2,647.71	146.50	
		For 50% Fluoropolymer Finish (Acrynar), Add	48.07		
		For 70% Fluoropolymer Finish (Duramar), Add	144.21		
		For Clear Anodized Finish, Add	120.18		
		For Color Anodized Finish, Add	168.25		
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	2,871.51	154.64	
		For 50% Fluoropolymer Finish (Acrynar), Add	52.28		
		For 70% Fluoropolymer Finish (Duramar), Add	156.83		
		For Clear Anodized Finish, Add	130.69		
		For Color Anodized Finish, Add	182.96		
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	3,466.69	162.77	
		For 50% Fluoropolymer Finish (Acrynar), Add	63.91		
		For 70% Fluoropolymer Finish (Duramar), Add	191.72		
		For Clear Anodized Finish, Add	159.77		
		For Color Anodized Finish, Add	223.68		
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	114.65	4.89	
		For 50% Fluoropolymer Finish (Acrynar), Add	2.13		
		For 70% Fluoropolymer Finish (Duramar), Add	6.39		
		For Clear Anodized Finish, Add	5.33		
		For Color Anodized Finish, Add	7.46		
08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)					
08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	2,368.32	130.22	
		For 50% Fluoropolymer Finish (Acrynar), Add	43.03		
		For 70% Fluoropolymer Finish (Duramar), Add	129.08		
		For Clear Anodized Finish, Add	107.56		
		For Color Anodized Finish, Add	150.59		
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,746.27	138.36	
		For 50% Fluoropolymer Finish (Acrynar), Add	50.31		
		For 70% Fluoropolymer Finish (Duramar), Add	150.94		
		For Clear Anodized Finish, Add	125.78		
		For Color Anodized Finish, Add	176.10		
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,984.07	146.50	
		For 50% Fluoropolymer Finish (Acrynar), Add	54.80		
		For 70% Fluoropolymer Finish (Duramar), Add	164.39		
		For Clear Anodized Finish, Add	137.00		
		For Color Anodized Finish, Add	191.79		
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	3,207.86	154.64	
		For 50% Fluoropolymer Finish (Acrynar), Add	59.00		
		For 70% Fluoropolymer Finish (Duramar), Add	177.01		
		For Clear Anodized Finish, Add	147.51		
		For Color Anodized Finish, Add	206.51		
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	3,754.00	162.77	
		For 50% Fluoropolymer Finish (Acrynar), Add	69.65		
		For 70% Fluoropolymer Finish (Duramar), Add	208.96		
		For Clear Anodized Finish, Add	174.14		
		For Color Anodized Finish, Add	243.79		
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	124.25	4.89	
		For 50% Fluoropolymer Finish (Acrynar), Add	2.32		
		For 70% Fluoropolymer Finish (Duramar), Add	6.97		
		For Clear Anodized Finish, Add	5.61		
		For Color Anodized Finish, Add	8.13		
08 51 13 00-0031 Double Hung Aluminum Windows (08 51 13 00-0001)					
08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) (08 51 13 00-0031)					
08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	1,450.35	130.22	
		For 50% Fluoropolymer Finish (Acrynar), Add	24.67		
		For 70% Fluoropolymer Finish (Duramar), Add	74.00		
		For Clear Anodized Finish, Add	61.67		
		For Color Anodized Finish, Add	86.33		
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,618.07	138.36	
		For 50% Fluoropolymer Finish (Acrynar), Add	27.75		
		For 70% Fluoropolymer Finish (Duramar), Add	83.25		
		For Clear Anodized Finish, Add	69.37		
		For Color Anodized Finish, Add	97.12		
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,757.77	146.50	
		For 50% Fluoropolymer Finish (Acrynar), Add	30.27		
		For 70% Fluoropolymer Finish (Duramar), Add	90.82		
		For Clear Anodized Finish, Add	75.68		
		For Color Anodized Finish, Add	105.95		
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,904.48	154.64	
		For 50% Fluoropolymer Finish (Acrynar), Add	32.94		
		For 70% Fluoropolymer Finish (Duramar), Add	98.81		
		For Clear Anodized Finish, Add	82.34		
		For Color Anodized Finish, Add	115.27		
08 51 13 00-0037	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	2,261.41	162.77	
		For 50% Fluoropolymer Finish (Acrynar), Add	39.80		
		For 70% Fluoropolymer Finish (Duramar), Add	119.41		
		For Clear Anodized Finish, Add	99.51		
		For Color Anodized Finish, Add	139.31		
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	74.50	4.89	
		For 50% Fluoropolymer Finish (Acrynar), Add	1.33		
		For 70% Fluoropolymer Finish (Duramar), Add	3.98		
		For Clear Anodized Finish, Add	3.32		
		For Color Anodized Finish, Add	4.65		

08 Openings**08 50 Windows****08 51 Metal Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)
(08 51 13 00-0031)

08 51 13 00-0040	EA Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	1,849.77	130.22
	For 50% Fluoropolymer Finish (Acrynar), Add	32.65	
	For 70% Fluoropolymer Finish (Duramar), Add	97.96	
	For Clear Anodized Finish, Add	81.64	
	For Color Anodized Finish, Add	114.29	
08 51 13 00-0041	EA >6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	2,171.66	138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	38.82	
	For 70% Fluoropolymer Finish (Duramar), Add	116.46	
	For Clear Anodized Finish, Add	97.05	
	For Color Anodized Finish, Add	135.87	
08 51 13 00-0042	EA >10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	2,430.48	146.50
	For 50% Fluoropolymer Finish (Acrynar), Add	43.73	
	For 70% Fluoropolymer Finish (Duramar), Add	131.18	
	For Clear Anodized Finish, Add	109.32	
	For Color Anodized Finish, Add	153.04	
08 51 13 00-0043	EA >15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	2,724.35	154.64
	For 50% Fluoropolymer Finish (Acrynar), Add	49.33	
	For 70% Fluoropolymer Finish (Duramar), Add	148.00	
	For Clear Anodized Finish, Add	123.33	
	For Color Anodized Finish, Add	172.66	
08 51 13 00-0044	EA >20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	3,277.49	162.77
	For 50% Fluoropolymer Finish (Acrynar), Add	60.12	
	For 70% Fluoropolymer Finish (Duramar), Add	180.37	
	For Clear Anodized Finish, Add	150.31	
	For Color Anodized Finish, Add	210.43	
08 51 13 00-0045	SF >30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	108.35	4.89
	For 50% Fluoropolymer Finish (Acrynar), Add	2.00	
	For 70% Fluoropolymer Finish (Duramar), Add	6.01	
	For Clear Anodized Finish, Add	5.01	
	For Color Anodized Finish, Add	7.01	

08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)
(08 51 13 00-0031)

08 51 13 00-0047	EA Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	2,403.36	130.22
	For 50% Fluoropolymer Finish (Acrynar), Add	43.73	
	For 70% Fluoropolymer Finish (Duramar), Add	131.18	
	For Clear Anodized Finish, Add	109.32	
	For Color Anodized Finish, Add	153.04	
08 51 13 00-0048	EA >6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	2,781.31	138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	51.01	
	For 70% Fluoropolymer Finish (Duramar), Add	153.04	
	For Clear Anodized Finish, Add	127.54	
	For Color Anodized Finish, Add	178.55	
08 51 13 00-0049	EA >10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	3,096.19	146.50
	For 50% Fluoropolymer Finish (Acrynar), Add	57.04	
	For 70% Fluoropolymer Finish (Duramar), Add	171.12	
	For Clear Anodized Finish, Add	142.60	
	For Color Anodized Finish, Add	199.64	
08 51 13 00-0050	EA >15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	3,404.07	154.64
	For 50% Fluoropolymer Finish (Acrynar), Add	62.93	
	For 70% Fluoropolymer Finish (Duramar), Add	188.78	
	For Clear Anodized Finish, Add	157.32	
	For Color Anodized Finish, Add	220.24	
08 51 13 00-0051	EA >20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	4,167.44	162.77
	For 50% Fluoropolymer Finish (Acrynar), Add	77.92	
	For 70% Fluoropolymer Finish (Duramar), Add	233.77	
	For Clear Anodized Finish, Add	194.81	
	For Color Anodized Finish, Add	272.73	
08 51 13 00-0052	SF >30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	137.99	4.89
	For 50% Fluoropolymer Finish (Acrynar), Add	2.60	
	For 70% Fluoropolymer Finish (Duramar), Add	7.79	
	For Clear Anodized Finish, Add	6.49	
	For Color Anodized Finish, Add	9.09	

08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)
(08 51 13 00-0031)

08 51 13 00-0054	EA Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	3,895.49	138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	73.30	
	For 70% Fluoropolymer Finish (Duramar), Add	219.89	
	For Clear Anodized Finish, Add	183.24	
	For Color Anodized Finish, Add	256.54	
08 51 13 00-0055	EA >10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	4,280.45	146.50
	For 50% Fluoropolymer Finish (Acrynar), Add	80.73	
	For 70% Fluoropolymer Finish (Duramar), Add	242.18	
	For Clear Anodized Finish, Add	201.81	
	For Color Anodized Finish, Add	282.54	
08 51 13 00-0056	EA >15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	4,735.48	154.64
	For 50% Fluoropolymer Finish (Acrynar), Add	89.56	
	For 70% Fluoropolymer Finish (Duramar), Add	268.67	
	For Clear Anodized Finish, Add	223.89	
	For Color Anodized Finish, Add	313.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0057	EA		>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	5,512.87	162.77
			For 50% Fluoropolymer Finish (Acrynar), Add	104.83	
			For 70% Fluoropolymer Finish (Duranar), Add	314.49	
			For Clear Anodized Finish, Add	262.08	
			For Color Anodized Finish, Add	366.91	
08 51 13 00-0058	SF		>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	182.63	4.89
			For 50% Fluoropolymer Finish (Acrynar), Add	3.49	
			For 70% Fluoropolymer Finish (Duranar), Add	10.47	
			For Clear Anodized Finish, Add	8.72	
			For Color Anodized Finish, Add	12.21	
08 51 13 00-0059			5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) (08 51 13 00-0031)		
08 51 13 00-0060	EA		Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	5,479.17	138.36
			For 50% Fluoropolymer Finish (Acrynar), Add	104.97	
			For 70% Fluoropolymer Finish (Duranar), Add	314.91	
			For Clear Anodized Finish, Add	262.43	
			For Color Anodized Finish, Add	367.40	
08 51 13 00-0061	EA		>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	5,913.18	146.50
			For 50% Fluoropolymer Finish (Acrynar), Add	113.38	
			For 70% Fluoropolymer Finish (Duranar), Add	340.14	
			For Clear Anodized Finish, Add	283.45	
			For Color Anodized Finish, Add	396.83	
08 51 13 00-0062	EA		>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	6,410.26	154.64
			For 50% Fluoropolymer Finish (Acrynar), Add	123.05	
			For 70% Fluoropolymer Finish (Duranar), Add	369.15	
			For Clear Anodized Finish, Add	307.63	
			For Color Anodized Finish, Add	430.68	
08 51 13 00-0063	EA		>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	7,285.75	162.77
			For 50% Fluoropolymer Finish (Acrynar), Add	140.29	
			For 70% Fluoropolymer Finish (Duranar), Add	420.87	
			For Clear Anodized Finish, Add	350.72	
			For Color Anodized Finish, Add	491.01	
08 51 13 00-0064	SF		>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	242.19	4.89
			For 50% Fluoropolymer Finish (Acrynar), Add	4.68	
			For 70% Fluoropolymer Finish (Duranar), Add	14.04	
			For Clear Anodized Finish, Add	11.70	
			For Color Anodized Finish, Add	16.38	
08 51 13 00-0065			Horizontal Sliding Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0066			One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0067			2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) (08 51 13 00-0066)		
08 51 13 00-0068	EA		Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,296.19	130.22
			For 50% Fluoropolymer Finish (Acrynar), Add	21.58	
			For 70% Fluoropolymer Finish (Duranar), Add	64.75	
			For Clear Anodized Finish, Add	53.96	
			For Color Anodized Finish, Add	75.54	
08 51 13 00-0069	EA		>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,477.92	138.36
			For 50% Fluoropolymer Finish (Acrynar), Add	24.95	
			For 70% Fluoropolymer Finish (Duranar), Add	74.84	
			For Clear Anodized Finish, Add	62.37	
			For Color Anodized Finish, Add	87.31	
08 51 13 00-0070	EA		>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,610.61	146.50
			For 50% Fluoropolymer Finish (Acrynar), Add	27.33	
			For 70% Fluoropolymer Finish (Duranar), Add	81.99	
			For Clear Anodized Finish, Add	68.32	
			For Color Anodized Finish, Add	95.65	
08 51 13 00-0071	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,750.31	154.64
			For 50% Fluoropolymer Finish (Acrynar), Add	29.85	
			For 70% Fluoropolymer Finish (Duranar), Add	89.55	
			For Clear Anodized Finish, Add	74.63	
			For Color Anodized Finish, Add	104.48	
08 51 13 00-0072	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	2,051.19	162.77
			For 50% Fluoropolymer Finish (Acrynar), Add	35.60	
			For 70% Fluoropolymer Finish (Duranar), Add	106.79	
			For Clear Anodized Finish, Add	88.99	
			For Color Anodized Finish, Add	124.59	
08 51 13 00-0073	SF		>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	67.49	4.89
			For 50% Fluoropolymer Finish (Acrynar), Add	1.19	
			For 70% Fluoropolymer Finish (Duranar), Add	3.56	
			For Clear Anodized Finish, Add	2.97	
			For Color Anodized Finish, Add	4.15	
08 51 13 00-0074			3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) (08 51 13 00-0066)		

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 51 13 00-0075	EA Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	2,186.13		130.22
	For 50% Fluoropolymer Finish (Acrynar), Add	39.38		
	For 70% Fluoropolymer Finish (Duranar), Add	118.15		
	For Clear Anodized Finish, Add	98.45		
	For Color Anodized Finish, Add	137.84		
08 51 13 00-0076	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	2,479.99		138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	44.99		
	For 70% Fluoropolymer Finish (Duranar), Add	134.96		
	For Clear Anodized Finish, Add	112.47		
	For Color Anodized Finish, Add	157.46		
08 51 13 00-0077	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	2,710.78		146.50
	For 50% Fluoropolymer Finish (Acrynar), Add	49.33		
	For 70% Fluoropolymer Finish (Duranar), Add	148.00		
	For Clear Anodized Finish, Add	123.33		
	For Color Anodized Finish, Add	172.66		
08 51 13 00-0078	EA >15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	2,934.57		154.64
	For 50% Fluoropolymer Finish (Acrynar), Add	53.54		
	For 70% Fluoropolymer Finish (Duranar), Add	160.61		
	For Clear Anodized Finish, Add	133.84		
	For Color Anodized Finish, Add	187.38		
08 51 13 00-0079	EA >20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	3,438.66		162.77
	For 50% Fluoropolymer Finish (Acrynar), Add	63.35		
	For 70% Fluoropolymer Finish (Duranar), Add	190.04		
	For Clear Anodized Finish, Add	158.37		
	For Color Anodized Finish, Add	221.72		
08 51 13 00-0080	SF >30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800).....	113.74		4.89
	For 50% Fluoropolymer Finish (Acrynar), Add	2.11		
	For 70% Fluoropolymer Finish (Duranar), Add	6.34		
	For Clear Anodized Finish, Add	5.28		
	For Color Anodized Finish, Add	7.39		
08 51 13 00-0081	Two Rolling Sashes, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)			
08 51 13 00-0082	3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) (08 51 13 00-0081)			
08 51 13 00-0083	EA Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	1,478.38		130.22
	For 50% Fluoropolymer Finish (Acrynar), Add	25.23		
	For 70% Fluoropolymer Finish (Duranar), Add	75.68		
	For Clear Anodized Finish, Add	63.07		
	For Color Anodized Finish, Add	88.29		
08 51 13 00-0084	EA >6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	1,716.18		138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	29.71		
	For 70% Fluoropolymer Finish (Duranar), Add	89.13		
	For Clear Anodized Finish, Add	74.28		
	For Color Anodized Finish, Add	103.99		
08 51 13 00-0085	EA >10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	1,869.89		146.50
	For 50% Fluoropolymer Finish (Acrynar), Add	32.51		
	For 70% Fluoropolymer Finish (Duranar), Add	97.54		
	For Clear Anodized Finish, Add	81.29		
	For Color Anodized Finish, Add	113.80		
08 51 13 00-0086	EA >15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	1,995.58		154.64
	For 50% Fluoropolymer Finish (Acrynar), Add	34.76		
	For 70% Fluoropolymer Finish (Duranar), Add	104.27		
	For Clear Anodized Finish, Add	86.89		
	For Color Anodized Finish, Add	121.65		
08 51 13 00-0087	EA >20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	2,338.49		162.77
	For 50% Fluoropolymer Finish (Acrynar), Add	41.34		
	For 70% Fluoropolymer Finish (Duranar), Add	124.03		
	For Clear Anodized Finish, Add	103.36		
	For Color Anodized Finish, Add	144.70		
08 51 13 00-0088	SF >30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	77.02		4.89
	For 50% Fluoropolymer Finish (Acrynar), Add	1.38		
	For 70% Fluoropolymer Finish (Duranar), Add	4.13		
	For Clear Anodized Finish, Add	3.44		
	For Color Anodized Finish, Add	4.82		
08 51 13 00-0089	Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)			
08 51 13 00-0090	4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0089)			
08 51 13 00-0091	EA Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	4,134.20		130.22
	For 50% Fluoropolymer Finish (Acrynar), Add	78.34		
	For 70% Fluoropolymer Finish (Duranar), Add	235.03		
	For Clear Anodized Finish, Add	195.86		
	For Color Anodized Finish, Add	274.20		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0092	EA		>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding		
			Aluminum Window (Traco TR-6330)	4,756.73	150.57
			For 50% Fluoropolymer Finish (Acrynar), Add	90.12	
			For 70% Fluoropolymer Finish (Duramar), Add	270.35	
			For Clear Anodized Finish, Add	225.29	
			For Color Anodized Finish, Add	315.40	
08 51 13 00-0093	EA		>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding		
			Aluminum Window (Traco TR-6330)	5,148.70	158.71
			For 50% Fluoropolymer Finish (Acrynar), Add	97.68	
			For 70% Fluoropolymer Finish (Duramar), Add	293.05	
			For Clear Anodized Finish, Add	244.21	
			For Color Anodized Finish, Add	341.89	
08 51 13 00-0094	EA		>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding		
			Aluminum Window (Traco TR-6330)	6,247.74	179.05
			For 50% Fluoropolymer Finish (Acrynar), Add	118.99	
			For 70% Fluoropolymer Finish (Duramar), Add	356.96	
			For Clear Anodized Finish, Add	297.47	
			For Color Anodized Finish, Add	416.45	
08 51 13 00-0095	EA		>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding		
			Aluminum Window (Traco TR-6330)	7,220.43	203.47
			For 50% Fluoropolymer Finish (Acrynar), Add	137.63	
			For 70% Fluoropolymer Finish (Duramar), Add	412.88	
			For Clear Anodized Finish, Add	344.07	
			For Color Anodized Finish, Add	481.69	
08 51 13 00-0096	SF		>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	122.78	4.89
			For 50% Fluoropolymer Finish (Acrynar), Add	2.29	
			For 70% Fluoropolymer Finish (Duramar), Add	6.88	
			For Clear Anodized Finish, Add	5.73	
			For Color Anodized Finish, Add	8.02	
08 51 13 00-0097			Fixed Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0098			2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0097)		
08 51 13 00-0099	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	966.84	130.22
			For 50% Fluoropolymer Finish (Acrynar), Add	15.00	
			For 70% Fluoropolymer Finish (Duramar), Add	44.99	
			For Clear Anodized Finish, Add	37.49	
			For Color Anodized Finish, Add	52.49	
08 51 13 00-0100	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,120.54	138.36
			For 50% Fluoropolymer Finish (Acrynar), Add	17.80	
			For 70% Fluoropolymer Finish (Duramar), Add	53.40	
			For Clear Anodized Finish, Add	44.50	
			For Color Anodized Finish, Add	62.30	
08 51 13 00-0101	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,183.16	146.50
			For 50% Fluoropolymer Finish (Acrynar), Add	18.78	
			For 70% Fluoropolymer Finish (Duramar), Add	56.34	
			For Clear Anodized Finish, Add	46.95	
			For Color Anodized Finish, Add	65.73	
08 51 13 00-0102	EA		>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,245.78	154.64
			For 50% Fluoropolymer Finish (Acrynar), Add	19.76	
			For 70% Fluoropolymer Finish (Duramar), Add	59.28	
			For Clear Anodized Finish, Add	49.40	
			For Color Anodized Finish, Add	69.16	
08 51 13 00-0103	EA		>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,714.83	162.77
			For 50% Fluoropolymer Finish (Acrynar), Add	28.87	
			For 70% Fluoropolymer Finish (Duramar), Add	86.61	
			For Clear Anodized Finish, Add	72.18	
			For Color Anodized Finish, Add	101.05	
08 51 13 00-0104	SF		>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	56.28	4.89
			For 50% Fluoropolymer Finish (Acrynar), Add	0.96	
			For 70% Fluoropolymer Finish (Duramar), Add	2.89	
			For Clear Anodized Finish, Add	2.41	
			For Color Anodized Finish, Add	3.37	
08 51 13 00-0105			2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) (08 51 13 00-0097)		
08 51 13 00-0106	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,275.16	130.22
			For 50% Fluoropolymer Finish (Acrynar), Add	21.16	
			For 70% Fluoropolymer Finish (Duramar), Add	63.49	
			For Clear Anodized Finish, Add	52.91	
			For Color Anodized Finish, Add	74.07	
08 51 13 00-0107	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,477.92	138.36
			For 50% Fluoropolymer Finish (Acrynar), Add	24.95	
			For 70% Fluoropolymer Finish (Duramar), Add	74.84	
			For Clear Anodized Finish, Add	62.37	
			For Color Anodized Finish, Add	87.31	
08 51 13 00-0108	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,596.60	146.50
			For 50% Fluoropolymer Finish (Acrynar), Add	27.05	
			For 70% Fluoropolymer Finish (Duramar), Add	81.15	
			For Clear Anodized Finish, Add	67.62	
			For Color Anodized Finish, Add	94.67	
08 51 13 00-0109	EA		>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,722.29	154.64
			For 50% Fluoropolymer Finish (Acrynar), Add	29.29	
			For 70% Fluoropolymer Finish (Duramar), Add	87.87	
			For Clear Anodized Finish, Add	73.23	
			For Color Anodized Finish, Add	102.52	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 51 13 00-0110	EA >20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,338.49 41.34 124.03 103.36 144.70		162.77
08 51 13 00-0111	SF >30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	77.02 1.38 4.13 3.44 4.82		4.89
08 51 13 00-0112	3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) (08 51 13 00-0097)			
08 51 13 00-0113	EA Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,064.94 16.96 50.87 42.40 59.35		130.22
08 51 13 00-0114	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,267.70 20.74 62.23 51.86 72.60		138.36
08 51 13 00-0115	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,372.36 22.56 67.69 56.41 78.97		146.50
08 51 13 00-0116	EA >15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,484.03 24.53 73.58 61.32 85.84		154.64
08 51 13 00-0117	EA >20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,065.20 35.88 107.63 89.70 125.57		162.77
08 51 13 00-0118	SF >30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	67.91 1.20 3.59 2.99 4.18		4.89
08 51 13 00-0119	4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) (08 51 13 00-0097)			
08 51 13 00-0120	EA Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,057.93 16.82 50.45 42.04 58.86		130.22
08 51 13 00-0121	EA >6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,239.67 20.18 60.54 50.45 70.63		138.36
08 51 13 00-0122	EA >10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,344.33 22.00 66.01 55.01 77.01		146.50
08 51 13 00-0123	EA >15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,456.00 23.97 71.90 59.91 83.88		154.64
08 51 13 00-0124	EA >20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,037.17 35.32 105.95 88.29 123.61		162.77
08 51 13 00-0125	SF >30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	67.00 1.18 3.53 2.94 4.12		4.89
08 51 13 00-0126	Projected Aluminum Windows (08 51 13 00-0001)			
08 51 13 00-0127	Single Vent, Projected Aluminum Windows (08 51 13 00-0126)			
08 51 13 00-0128	2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0127)			
08 51 13 00-0129	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,493.80 25.54 76.61 63.84 89.37		130.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0130	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	.....	1,624.38	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add		27.88	
		For 70% Fluoropolymer Finish (Duranar), Add		83.63	
		For Clear Anodized Finish, Add		69.69	
		For Color Anodized Finish, Add		97.56	
08 51 13 00-0131	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	.....	1,778.79	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add		30.69	
		For 70% Fluoropolymer Finish (Duranar), Add		92.08	
		For Clear Anodized Finish, Add		76.73	
		For Color Anodized Finish, Add		107.42	
08 51 13 00-0132	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	.....	110.45	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add		2.05	
		For 70% Fluoropolymer Finish (Duranar), Add		6.14	
		For Clear Anodized Finish, Add		5.12	
		For Color Anodized Finish, Add		7.16	
08 51 13 00-0133 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0127)					
08 51 13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	.....	2,113.32	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add		37.93	
		For 70% Fluoropolymer Finish (Duranar), Add		113.78	
		For Clear Anodized Finish, Add		94.61	
		For Color Anodized Finish, Add		132.74	
08 51 13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	.....	2,346.22	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add		42.31	
		For 70% Fluoropolymer Finish (Duranar), Add		126.94	
		For Clear Anodized Finish, Add		105.78	
		For Color Anodized Finish, Add		148.09	
08 51 13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	.....	2,619.68	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add		47.51	
		For 70% Fluoropolymer Finish (Duranar), Add		142.53	
		For Clear Anodized Finish, Add		118.78	
		For Color Anodized Finish, Add		166.29	
08 51 13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	.....	166.51	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add		3.17	
		For 70% Fluoropolymer Finish (Duranar), Add		9.50	
		For Clear Anodized Finish, Add		7.92	
		For Color Anodized Finish, Add		11.09	
08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0127)					
08 51 13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	2,345.69	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add		42.57	
		For 70% Fluoropolymer Finish (Duranar), Add		127.72	
		For Clear Anodized Finish, Add		106.43	
		For Color Anodized Finish, Add		149.01	
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	2,616.84	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add		47.72	
		For 70% Fluoropolymer Finish (Duranar), Add		143.17	
		For Clear Anodized Finish, Add		119.31	
		For Color Anodized Finish, Add		167.04	
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	2,935.02	146.50
		For 50% Fluoropolymer Finish (Acrynar), Add		53.82	
		For 70% Fluoropolymer Finish (Duranar), Add		161.45	
		For Clear Anodized Finish, Add		134.54	
		For Color Anodized Finish, Add		188.36	
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	187.53	4.89
		For 50% Fluoropolymer Finish (Acrynar), Add		3.59	
		For 70% Fluoropolymer Finish (Duranar), Add		10.76	
		For Clear Anodized Finish, Add		8.97	
		For Color Anodized Finish, Add		12.56	
08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0127)					
08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	.....	2,505.74	130.22
		For 50% Fluoropolymer Finish (Acrynar), Add		45.77	
		For 70% Fluoropolymer Finish (Duranar), Add		137.32	
		For Clear Anodized Finish, Add		114.44	
		For Color Anodized Finish, Add		160.21	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	.....	2,803.31	138.36
		For 50% Fluoropolymer Finish (Acrynar), Add		51.45	
		For 70% Fluoropolymer Finish (Duranar), Add		154.36	
		For Clear Anodized Finish, Add		128.64	
		For Color Anodized Finish, Add		180.09	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	3,152.25	146.50	
		For 50% Fluoropolymer Finish (Acrynar), Add	58.16		
		For 70% Fluoropolymer Finish (Duramar), Add	174.49		
		For Clear Anodized Finish, Add	145.40		
		For Color Anodized Finish, Add	203.57		
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	202.04	4.89	
		For 50% Fluoropolymer Finish (Acrynar), Add	3.88		
		For 70% Fluoropolymer Finish (Duramar), Add	11.63		
		For Clear Anodized Finish, Add	9.70		
		For Color Anodized Finish, Add	13.57		
08 51 13 00-0148 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0127)					
08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,485.07	130.22	
		For 50% Fluoropolymer Finish (Acrynar), Add	45.36		
		For 70% Fluoropolymer Finish (Duramar), Add	136.08		
		For Clear Anodized Finish, Add	113.40		
		For Color Anodized Finish, Add	158.76		
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,779.28	138.36	
		For 50% Fluoropolymer Finish (Acrynar), Add	50.97		
		For 70% Fluoropolymer Finish (Duramar), Add	152.92		
		For Clear Anodized Finish, Add	127.43		
		For Color Anodized Finish, Add	178.41		
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	3,124.22	146.50	
		For 50% Fluoropolymer Finish (Acrynar), Add	57.60		
		For 70% Fluoropolymer Finish (Duramar), Add	172.80		
		For Clear Anodized Finish, Add	144.00		
		For Color Anodized Finish, Add	201.60		
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	200.14	4.89	
		For 50% Fluoropolymer Finish (Acrynar), Add	3.84		
		For 70% Fluoropolymer Finish (Duramar), Add	11.52		
		For Clear Anodized Finish, Add	9.60		
		For Color Anodized Finish, Add	13.44		
08 51 13 00-0153 Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0126)					
08 51 13 00-0154 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0153)					
08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,170.15	130.22	
		For 50% Fluoropolymer Finish (Acrynar), Add	39.06		
		For 70% Fluoropolymer Finish (Duramar), Add	117.19		
		For Clear Anodized Finish, Add	97.66		
		For Color Anodized Finish, Add	136.72		
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,412.37	138.36	
		For 50% Fluoropolymer Finish (Acrynar), Add	43.64		
		For 70% Fluoropolymer Finish (Duramar), Add	130.91		
		For Clear Anodized Finish, Add	109.09		
		For Color Anodized Finish, Add	152.72		
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,696.76	146.50	
		For 50% Fluoropolymer Finish (Acrynar), Add	49.05		
		For 70% Fluoropolymer Finish (Duramar), Add	147.16		
		For Clear Anodized Finish, Add	122.63		
		For Color Anodized Finish, Add	171.68		
08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	171.41	4.89	
		For 50% Fluoropolymer Finish (Acrynar), Add	3.27		
		For 70% Fluoropolymer Finish (Duramar), Add	9.80		
		For Clear Anodized Finish, Add	8.16		
		For Color Anodized Finish, Add	11.43		
08 51 13 00-0159 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0153)					
08 51 13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	3,151.13	130.22	
		For 50% Fluoropolymer Finish (Acrynar), Add	58.68		
		For 70% Fluoropolymer Finish (Duramar), Add	176.05		
		For Clear Anodized Finish, Add	146.70		
		For Color Anodized Finish, Add	205.39		
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	3,555.21	138.36	
		For 50% Fluoropolymer Finish (Acrynar), Add	66.49		
		For 70% Fluoropolymer Finish (Duramar), Add	199.48		
		For Clear Anodized Finish, Add	166.23		
		For Color Anodized Finish, Add	232.72		
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	4,028.18	146.50	
		For 50% Fluoropolymer Finish (Acrynar), Add	75.68		
		For 70% Fluoropolymer Finish (Duramar), Add	227.04		
		For Clear Anodized Finish, Add	189.20		
		For Color Anodized Finish, Add	264.88		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0163	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	260.41 5.05 15.14 12.61 17.66	4.89
08 51 13 00-0164			3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0153)		
08 51 13 00-0165	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	3,357.63 62.81 188.44 157.03 219.84	130.22
08 51 13 00-0166	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	3,795.78 71.30 213.91 178.26 249.56	138.36
08 51 13 00-0167	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	4,308.48 81.29 243.86 203.22 284.50	146.50
08 51 13 00-0168	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	278.63 5.41 16.23 13.52 18.93	4.89
08 51 13 00-0169			3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0153)		
08 51 13 00-0170	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	3,337.03 62.40 187.20 156.00 218.40	130.22
08 51 13 00-0171	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	3,771.74 70.82 212.47 177.06 247.88	138.36
08 51 13 00-0172	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	4,280.45 80.73 242.18 201.61 282.54	146.50
08 51 13 00-0173	SF		>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	277.23 5.38 16.15 13.45 18.84	4.89
08 51 13 00-0174			4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0153)		
08 51 13 00-0175	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	3,657.13 68.80 206.41 172.00 240.81	130.22
08 51 13 00-0176	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	4,144.68 78.28 234.84 195.70 273.99	138.36
08 51 13 00-0177	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	4,714.91 89.42 268.25 223.54 312.95	146.50
08 51 13 00-0178	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Duranar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	305.96 5.96 17.87 14.89 20.85	4.89

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 51 13 00-0179	Casement Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0180	Single Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0181	2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0180)		
08 51 13 00-0182	EA Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220).....	1,746.76	130.22
	For 50% Fluoropolymer Finish (Acrynar), Add	30.59	
	For 70% Fluoropolymer Finish (Duranar), Add	91.78	
	For Clear Anodized Finish, Add	76.49	
	For Color Anodized Finish, Add	107.08	
08 51 13 00-0183	EA >6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,919.11	138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	33.77	
	For 70% Fluoropolymer Finish (Duranar), Add	101.31	
	For Clear Anodized Finish, Add	84.43	
	For Color Anodized Finish, Add	118.20	
08 51 13 00-0184	EA >10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	2,122.15	146.50
	For 50% Fluoropolymer Finish (Acrynar), Add	37.56	
	For 70% Fluoropolymer Finish (Duranar), Add	112.68	
	For Clear Anodized Finish, Add	93.90	
	For Color Anodized Finish, Add	131.46	
08 51 13 00-0185	SF >15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	133.36	4.89
	For 50% Fluoropolymer Finish (Acrynar), Add	2.50	
	For 70% Fluoropolymer Finish (Duranar), Add	7.51	
	For Clear Anodized Finish, Add	6.26	
	For Color Anodized Finish, Add	8.77	
08 51 13 00-0186	2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0180)		
08 51 13 00-0187	EA Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,686.46	130.22
	For 50% Fluoropolymer Finish (Acrynar), Add	49.39	
	For 70% Fluoropolymer Finish (Duranar), Add	148.17	
	For Clear Anodized Finish, Add	123.47	
	For Color Anodized Finish, Add	172.86	
08 51 13 00-0188	EA >6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,013.82	138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	55.66	
	For 70% Fluoropolymer Finish (Duranar), Add	166.99	
	For Clear Anodized Finish, Add	139.16	
	For Color Anodized Finish, Add	194.83	
08 51 13 00-0189	EA >10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,397.51	146.50
	For 50% Fluoropolymer Finish (Acrynar), Add	63.07	
	For 70% Fluoropolymer Finish (Duranar), Add	189.20	
	For Clear Anodized Finish, Add	157.67	
	For Color Anodized Finish, Add	220.73	
08 51 13 00-0190	SF >15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	218.36	4.89
	For 50% Fluoropolymer Finish (Acrynar), Add	4.20	
	For 70% Fluoropolymer Finish (Duranar), Add	12.61	
	For Clear Anodized Finish, Add	10.51	
	For Color Anodized Finish, Add	14.72	
08 51 13 00-0191	3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0180)		
08 51 13 00-0192	EA Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,701.95	130.22
	For 50% Fluoropolymer Finish (Acrynar), Add	49.70	
	For 70% Fluoropolymer Finish (Duranar), Add	149.09	
	For Clear Anodized Finish, Add	124.25	
	For Color Anodized Finish, Add	173.94	
08 51 13 00-0193	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,031.89	138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	56.03	
	For 70% Fluoropolymer Finish (Duranar), Add	168.08	
	For Clear Anodized Finish, Add	140.06	
	For Color Anodized Finish, Add	196.09	
08 51 13 00-0194	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,418.53	146.50
	For 50% Fluoropolymer Finish (Acrynar), Add	63.49	
	For 70% Fluoropolymer Finish (Duranar), Add	190.46	
	For Clear Anodized Finish, Add	158.72	
	For Color Anodized Finish, Add	222.21	
08 51 13 00-0195	SF >15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	219.76	4.89
	For 50% Fluoropolymer Finish (Acrynar), Add	4.23	
	For 70% Fluoropolymer Finish (Duranar), Add	12.70	
	For Clear Anodized Finish, Add	10.58	
	For Color Anodized Finish, Add	14.81	
08 51 13 00-0196	4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0180)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0197	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	2,862.00	130.22
			For 50% Fluoropolymer Finish (Acrynar), Add	52.90	
			For 70% Fluoropolymer Finish (Duramar), Add	158.70	
			For Clear Anodized Finish, Add	132.25	
			For Color Anodized Finish, Add	185.15	
08 51 13 00-0198	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	3,218.36	138.36
			For 50% Fluoropolymer Finish (Acrynar), Add	59.76	
			For 70% Fluoropolymer Finish (Duramar), Add	179.27	
			For Clear Anodized Finish, Add	149.39	
			For Color Anodized Finish, Add	209.14	
08 51 13 00-0199	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	3,635.76	146.50
			For 50% Fluoropolymer Finish (Acrynar), Add	67.83	
			For 70% Fluoropolymer Finish (Duramar), Add	203.50	
			For Clear Anodized Finish, Add	169.58	
			For Color Anodized Finish, Add	237.41	
08 51 13 00-0200	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	234.27	4.89
			For 50% Fluoropolymer Finish (Acrynar), Add	4.52	
			For 70% Fluoropolymer Finish (Duramar), Add	13.57	
			For Clear Anodized Finish, Add	11.31	
			For Color Anodized Finish, Add	15.83	
08 51 13 00-0201			Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0202			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0201)		
08 51 13 00-0203	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	2,030.74	130.22
			For 50% Fluoropolymer Finish (Acrynar), Add	36.27	
			For 70% Fluoropolymer Finish (Duramar), Add	108.82	
			For Clear Anodized Finish, Add	90.69	
			For Color Anodized Finish, Add	126.96	
08 51 13 00-0204	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	2,249.93	138.36
			For 50% Fluoropolymer Finish (Acrynar), Add	40.39	
			For 70% Fluoropolymer Finish (Duramar), Add	121.16	
			For Clear Anodized Finish, Add	100.97	
			For Color Anodized Finish, Add	141.35	
08 51 13 00-0205	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	2,507.56	146.50
			For 50% Fluoropolymer Finish (Acrynar), Add	45.27	
			For 70% Fluoropolymer Finish (Duramar), Add	135.80	
			For Clear Anodized Finish, Add	113.17	
			For Color Anodized Finish, Add	158.44	
08 51 13 00-0206	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	159.01	4.89
			For 50% Fluoropolymer Finish (Acrynar), Add	3.02	
			For 70% Fluoropolymer Finish (Duramar), Add	9.05	
			For Clear Anodized Finish, Add	7.54	
			For Color Anodized Finish, Add	10.56	
08 51 13 00-0207			2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0201)		
08 51 13 00-0208	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,970.40	130.22
			For 50% Fluoropolymer Finish (Acrynar), Add	55.07	
			For 70% Fluoropolymer Finish (Duramar), Add	165.20	
			For Clear Anodized Finish, Add	137.67	
			For Color Anodized Finish, Add	192.74	
08 51 13 00-0209	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,344.64	138.36
			For 50% Fluoropolymer Finish (Acrynar), Add	62.28	
			For 70% Fluoropolymer Finish (Duramar), Add	186.84	
			For Clear Anodized Finish, Add	155.70	
			For Color Anodized Finish, Add	217.98	
08 51 13 00-0210	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,782.92	146.50
			For 50% Fluoropolymer Finish (Acrynar), Add	70.78	
			For 70% Fluoropolymer Finish (Duramar), Add	212.33	
			For Clear Anodized Finish, Add	176.94	
			For Color Anodized Finish, Add	247.71	
08 51 13 00-0211	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	244.08	4.89
			For 50% Fluoropolymer Finish (Acrynar), Add	4.72	
			For 70% Fluoropolymer Finish (Duramar), Add	14.16	
			For Clear Anodized Finish, Add	11.80	
			For Color Anodized Finish, Add	16.52	
08 51 13 00-0212			3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0201)		
08 51 13 00-0213	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,316.36	130.22
			For 50% Fluoropolymer Finish (Acrynar), Add	61.99	
			For 70% Fluoropolymer Finish (Duramar), Add	185.96	
			For Clear Anodized Finish, Add	154.97	
			For Color Anodized Finish, Add	216.95	

08 Openings**08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 51 13 00-0214	EA >6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,747.70		138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	70.34		
	For 70% Fluoropolymer Finish (Duranar), Add	211.03		
	For Clear Anodized Finish, Add	175.86		
	For Color Anodized Finish, Add	246.20		
08 51 13 00-0215	EA >10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	4,252.42		146.50
	For 50% Fluoropolymer Finish (Acrynar), Add	80.17		
	For 70% Fluoropolymer Finish (Duranar), Add	240.50		
	For Clear Anodized Finish, Add	200.41		
	For Color Anodized Finish, Add	280.58		
08 51 13 00-0216	SF >15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	275.33		4.89
	For 50% Fluoropolymer Finish (Acrynar), Add	5.34		
	For 70% Fluoropolymer Finish (Duranar), Add	16.03		
	For Clear Anodized Finish, Add	13.36		
	For Color Anodized Finish, Add	18.70		
08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0201)				
08 51 13 00-0218	EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,631.28		130.22
	For 50% Fluoropolymer Finish (Acrynar), Add	68.28		
	For 70% Fluoropolymer Finish (Duranar), Add	204.85		
	For Clear Anodized Finish, Add	170.71		
	For Color Anodized Finish, Add	239.00		
08 51 13 00-0219	EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	4,114.61		138.36
	For 50% Fluoropolymer Finish (Acrynar), Add	77.68		
	For 70% Fluoropolymer Finish (Duranar), Add	233.04		
	For Clear Anodized Finish, Add	194.20		
	For Color Anodized Finish, Add	271.88		
08 51 13 00-0220	EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	4,679.87		146.50
	For 50% Fluoropolymer Finish (Acrynar), Add	88.71		
	For 70% Fluoropolymer Finish (Duranar), Add	266.14		
	For Clear Anodized Finish, Add	221.79		
	For Color Anodized Finish, Add	310.50		
08 51 13 00-0221	SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	303.85		4.89
	For 50% Fluoropolymer Finish (Acrynar), Add	5.91		
	For 70% Fluoropolymer Finish (Duranar), Add	17.74		
	For Clear Anodized Finish, Add	14.79		
	For Color Anodized Finish, Add	20.70		
08 51 13 00-0222 Aluminum Window Accessories (08 51 13)				
08 51 13 00-0223 Aluminum Window Mullions (08 51 13 00-0222)				
08 51 13 00-0224	LF Integral Mullions For Aluminum Windows	55.89		6.10
	For 50% Fluoropolymer Finish (Acrynar), Add	0.89		
	For 70% Fluoropolymer Finish (Duranar), Add	2.68		
	For Clear Anodized Finish, Add	2.23		
	For Color Anodized Finish, Add	3.12		
08 51 13 00-0225 Aluminum Window Panning (08 51 13 00-0222)				
Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.				
08 51 13 00-0226	EA Up To 6 SF Window, Aluminum Window Panning	611.53		49.67
	For 50% Fluoropolymer Finish (Acrynar), Add	10.57		
	For 70% Fluoropolymer Finish (Duranar), Add	31.72		
	For Clear Anodized Finish, Add	26.44		
	For Color Anodized Finish, Add	37.01		
08 51 13 00-0227	EA >6 To 10 SF Window, Aluminum Window Panning	819.61		82.79
	For 50% Fluoropolymer Finish (Acrynar), Add	13.63		
	For 70% Fluoropolymer Finish (Duranar), Add	40.90		
	For Clear Anodized Finish, Add	34.08		
	For Color Anodized Finish, Add	47.71		
08 51 13 00-0228	EA >10 To 15 SF Window, Aluminum Window Panning	952.32		124.19
	For 50% Fluoropolymer Finish (Acrynar), Add	14.91		
	For 70% Fluoropolymer Finish (Duranar), Add	44.72		
	For Clear Anodized Finish, Add	37.27		
	For Color Anodized Finish, Add	52.17		
08 51 13 00-0229	EA >15 To 20 SF Window, Aluminum Window Panning	1,097.75		165.58
	For 50% Fluoropolymer Finish (Acrynar), Add	16.44		
	For 70% Fluoropolymer Finish (Duranar), Add	49.31		
	For Clear Anodized Finish, Add	41.09		
	For Color Anodized Finish, Add	57.52		
08 51 13 00-0230	EA >20 To 30 SF Window, Aluminum Window Panning	1,382.25		248.37
	For 50% Fluoropolymer Finish (Acrynar), Add	19.37		
	For 70% Fluoropolymer Finish (Duranar), Add	58.10		
	For Clear Anodized Finish, Add	48.42		
	For Color Anodized Finish, Add	67.78		
08 51 13 00-0231	SF >30 SF Window, Aluminum Window Panning	47.51		10.35
	For 50% Fluoropolymer Finish (Acrynar), Add	0.61		
	For 70% Fluoropolymer Finish (Duranar), Add	1.82		
	For Clear Anodized Finish, Add	1.51		
	For Color Anodized Finish, Add	2.12		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0232			Aluminum Window Muntins, Grilles Or Dividers (08 51 13 00-0222)		
08 51 13 00-0233	SF		Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	11.01	6.10
			For 50% Fluoropolymer Finish (Acrynar), Add	0.06	
			For 70% Fluoropolymer Finish (Duranar), Add	0.17	
			For Clear Anodized Finish, Add	0.14	
			For Color Anodized Finish, Add	0.20	
08 51 13 00-0234	SF		Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	19.29	6.10
			For 50% Fluoropolymer Finish (Acrynar), Add	0.22	
			For 70% Fluoropolymer Finish (Duranar), Add	0.67	
			For Clear Anodized Finish, Add	0.56	
			For Color Anodized Finish, Add	0.78	
08 51 13 00-0235	SF		Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	36.28	6.10
			For 50% Fluoropolymer Finish (Acrynar), Add	0.32	
			For 70% Fluoropolymer Finish (Duranar), Add	0.96	
			For Clear Anodized Finish, Add	0.80	
			For Color Anodized Finish, Add	1.12	
08 51 13 00-0236	SF		True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	45.36	6.10
			For 50% Fluoropolymer Finish (Acrynar), Add	0.45	
			For 70% Fluoropolymer Finish (Duranar), Add	1.34	
			For Clear Anodized Finish, Add	1.12	
			For Color Anodized Finish, Add	1.56	
08 51 13 00-0237			Other Aluminum Window Accessories (08 51 13 00-0222)		
08 51 13 00-0238	EA		Roto Operator For Casement Aluminum Windows	530.38	27.12
08 51 13 00-0239	EA		Head And Sill Automatic Locks For Hung Aluminum Windows	250.08	27.12
08 51 19			Stainless-Steel Windows (08 51)		
			See CSI section 08 80 00 00-0000 for glazing.		
08 51 19 00-0001			Stainless Steel Windows Types (08 51 19)		
08 51 19 00-0002			Industrial (08 51 19 00-0001)		
08 51 19 00-0003	SF		Stainless Steel Window With Horizontal Pivot Sash	121.08	8.14
08 51 19 00-0004	SF		Stainless Steel Window, Fixed Sash	90.74	8.14
08 51 19 00-0005			Projected Sash (08 51 19 00-0001)		
08 51 19 00-0006	SF		Commercial Projected Sash Window - 40% Vented Stainless Steel	126.74	8.14
08 51 19 00-0007	SF		Intermediate Projected Sash Window - 40% Vented Stainless Steel	140.16	8.14
08 51 19 00-0008			Other Type Sash (08 51 19 00-0001)		
08 51 19 00-0009	SF		Double Hung Stainless Steel Window Sash	153.54	8.14
08 51 19 00-0010	SF		Single Hung Stainless Steel Window Sash	107.96	8.14
08 51 19 00-0011	SF		Stainless Steel Picture Window Sash	89.84	8.14
08 51 19 00-0012	SF		Sliding Stainless Steel Window	158.45	8.14
08 51 19 00-0013			Casements (08 51 19 00-0001)		
08 51 19 00-0014	SF		Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	137.38	8.14
08 51 19 00-0015	SF		Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	118.52	8.14
08 51 19 00-0016	SF		Stainless Steel Window Casements, Fixed Sash, Factory Primed	82.93	8.14
08 51 23			Steel Windows (08 51)		
			Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
08 51 23 00-0001			Steel Windows (08 51 23)		
08 51 23 00-0002			Industrial (08 51 23 00-0001)		
08 51 23 00-0003	SF		Industrial Steel Window With Horizontal Pivot Sash	86.76	8.14
08 51 23 00-0004	SF		Industrial Steel Window, With Fixed Sash	77.73	8.14
08 51 23 00-0005	SF		Industrial Steel Window, With Operable Security Sash	123.81	8.14
08 51 23 00-0006	SF		Industrial Steel Window, With Fixed Security Sash	105.74	8.14
08 51 23 00-0007			Projected Sash (08 51 23 00-0001)		
08 51 23 00-0008	SF		Commercial Projected Sash Window - 40% Vented Steel	97.52	8.14
08 51 23 00-0009	SF		Intermediate Projected Sash Window - 40% Vented Steel	107.45	8.14
08 51 23 00-0010			Other Type Sash (08 51 23 00-0001)		
08 51 23 00-0011	SF		Double Hung Steel Window Sash	125.00	8.14
08 51 23 00-0012	SF		Steel Picture Window Sash	54.26	8.14
08 51 23 00-0013	SF		Fire Rated Double Hung Steel Window Sash	128.91	10.18
08 51 23 00-0014	SF		Single Hung Steel Window Sash	88.72	8.14
08 51 23 00-0015			Casements (08 51 23 00-0001)		
08 51 23 00-0016	SF		Steel Window Casements, 100% Vented Operable, Factory Primed	112.16	4.07
08 51 23 00-0017	SF		Steel Window Casements, 50% Vented Operable, Factory Primed	97.13	4.07
08 51 23 00-0018	SF		Steel Window Casements, Fixed Sash, Factory Primed	68.79	6.10

08 Openings**08 50 Windows****08 51 Metal Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 51 23 00-0019	Mullions (08 51 23 00-0001)		
08 51 23 00-0020	LF Open Faced Steel Mullion.....	41.06	6.10
08 51 23 00-0021	LF Covered Steel Mullions.....	69.46	6.10

08 51 23 00-0022	Removal And Reinstallation Of Metal Window And Frame (08 51 23)		
	Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF Removal And Reinstallation Of Metal Window And Frame.....	21.22	

08 52 Wood Windows (08 50)**08 52 11 Wood Windows (08 52)**

08 52 11 00-0001	Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11)		
	Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 11 00-0002	30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11 00-0001)		
08 52 11 00-0003	EA 20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	374.96	
	For Low-E Insulated Glass, Add	29.63	
	For Aluminum Clad Exterior, Add	31.75	
08 52 11 00-0004	EA 24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	397.79	
	For Low-E Insulated Glass, Add	31.76	
	For Aluminum Clad Exterior, Add	34.03	
08 52 11 00-0005	EA 28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	422.13	
	For Low-E Insulated Glass, Add	34.11	
	For Aluminum Clad Exterior, Add	36.54	
08 52 11 00-0006	EA 30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	435.07	
	For Low-E Insulated Glass, Add	35.39	
	For Aluminum Clad Exterior, Add	37.91	
08 52 11 00-0007	EA 32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	446.47	
	For Low-E Insulated Glass, Add	36.45	
	For Aluminum Clad Exterior, Add	39.06	
08 52 11 00-0008	EA 34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	460.94	
	For Low-E Insulated Glass, Add	37.94	
	For Aluminum Clad Exterior, Add	40.65	
08 52 11 00-0009	EA 36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	467.83	
	For Low-E Insulated Glass, Add	38.38	
	For Aluminum Clad Exterior, Add	41.12	
08 52 11 00-0010	EA 40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	496.69	
	For Low-E Insulated Glass, Add	41.35	
	For Aluminum Clad Exterior, Add	44.31	
08 52 11 00-0011	EA 44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	521.03	
	For Low-E Insulated Glass, Add	43.70	
	For Aluminum Clad Exterior, Add	46.82	

08 52 11 00-0012	34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11 00-0001)		
08 52 11 00-0013	EA 20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	397.79	
	For Low-E Insulated Glass, Add	31.76	
	For Aluminum Clad Exterior, Add	34.03	
08 52 11 00-0014	EA 24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	422.13	
	For Low-E Insulated Glass, Add	34.11	
	For Aluminum Clad Exterior, Add	36.54	
08 52 11 00-0015	EA 28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	442.68	
	For Low-E Insulated Glass, Add	36.45	
	For Aluminum Clad Exterior, Add	39.06	
08 52 11 00-0016	EA 30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	460.94	
	For Low-E Insulated Glass, Add	37.94	
	For Aluminum Clad Exterior, Add	40.65	
08 52 11 00-0017	EA 32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	472.35	
	For Low-E Insulated Glass, Add	39.01	
	For Aluminum Clad Exterior, Add	41.80	
08 52 11 00-0018	EA 34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	485.28	
	For Low-E Insulated Glass, Add	40.29	
	For Aluminum Clad Exterior, Add	43.17	
08 52 11 00-0019	EA 36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	496.69	
	For Low-E Insulated Glass, Add	41.35	
	For Aluminum Clad Exterior, Add	44.31	
08 52 11 00-0020	EA 40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	521.03	
	For Low-E Insulated Glass, Add	43.70	
	For Aluminum Clad Exterior, Add	46.82	
08 52 11 00-0021	EA 44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	545.39	
	For Low-E Insulated Glass, Add	46.04	
	For Aluminum Clad Exterior, Add	49.33	

08 52 11 00-0022	36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11 00-0001)		
08 52 11 00-0023	EA 20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	408.83	
	For Low-E Insulated Glass, Add	33.04	
	For Aluminum Clad Exterior, Add	35.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 52 11 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	433.17		
		For Low-E Insulated Glass, Add	35.39		
		For Aluminum Clad Exterior, Add	37.91		
08 52 11 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	459.04		
		For Low-E Insulated Glass, Add	37.94		
		For Aluminum Clad Exterior, Add	40.65		
08 52 11 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	470.45		
		For Low-E Insulated Glass, Add	39.01		
		For Aluminum Clad Exterior, Add	41.80		
08 52 11 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	483.38		
		For Low-E Insulated Glass, Add	40.29		
		For Aluminum Clad Exterior, Add	43.17		
08 52 11 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	494.79		
		For Low-E Insulated Glass, Add	41.35		
		For Aluminum Clad Exterior, Add	44.31		
08 52 11 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	507.72		
		For Low-E Insulated Glass, Add	42.63		
		For Aluminum Clad Exterior, Add	45.68		
08 52 11 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	530.54		
		For Low-E Insulated Glass, Add	44.77		
		For Aluminum Clad Exterior, Add	47.96		
08 52 11 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	554.89		
		For Low-E Insulated Glass, Add	47.11		
		For Aluminum Clad Exterior, Add	50.48		

08 52 11 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	424.03		
		For Low-E Insulated Glass, Add	34.11		
		For Aluminum Clad Exterior, Add	36.54		
08 52 11 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	448.38		
		For Low-E Insulated Glass, Add	36.45		
		For Aluminum Clad Exterior, Add	39.06		
08 52 11 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	474.24		
		For Low-E Insulated Glass, Add	39.01		
		For Aluminum Clad Exterior, Add	41.80		
08 52 11 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	487.18		
		For Low-E Insulated Glass, Add	40.29		
		For Aluminum Clad Exterior, Add	43.17		
08 52 11 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	498.59		
		For Low-E Insulated Glass, Add	41.35		
		For Aluminum Clad Exterior, Add	44.31		
08 52 11 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	511.51		
		For Low-E Insulated Glass, Add	42.63		
		For Aluminum Clad Exterior, Add	45.68		
08 52 11 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	522.93		
		For Low-E Insulated Glass, Add	43.70		
		For Aluminum Clad Exterior, Add	46.82		
08 52 11 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	547.28		
		For Low-E Insulated Glass, Add	46.04		
		For Aluminum Clad Exterior, Add	49.33		
08 52 11 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	571.63		
		For Low-E Insulated Glass, Add	48.39		
		For Aluminum Clad Exterior, Add	51.85		

08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	472.35		
		For Low-E Insulated Glass, Add	39.01		
		For Aluminum Clad Exterior, Add	41.80		
08 52 11 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	496.69		
		For Low-E Insulated Glass, Add	41.35		
		For Aluminum Clad Exterior, Add	44.31		
08 52 11 00-0045	EA	28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	521.03		
		For Low-E Insulated Glass, Add	43.70		
		For Aluminum Clad Exterior, Add	46.82		
08 52 11 00-0046	EA	30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	532.45		
		For Low-E Insulated Glass, Add	44.77		
		For Aluminum Clad Exterior, Add	47.96		
08 52 11 00-0047	EA	32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	545.39		
		For Low-E Insulated Glass, Add	46.04		
		For Aluminum Clad Exterior, Add	49.33		
08 52 11 00-0048	EA	34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	556.79		
		For Low-E Insulated Glass, Add	47.11		
		For Aluminum Clad Exterior, Add	50.48		
08 52 11 00-0049	EA	36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	569.73		
		For Low-E Insulated Glass, Add	48.39		
		For Aluminum Clad Exterior, Add	51.85		
08 52 11 00-0050	EA	40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	594.06		
		For Low-E Insulated Glass, Add	50.73		
		For Aluminum Clad Exterior, Add	54.36		
08 52 11 00-0051	EA	44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	619.95		
		For Low-E Insulated Glass, Add	53.29		
		For Aluminum Clad Exterior, Add	57.10		

08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 11 00-0053	EA	20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	483.38
		<i>For Low-E Insulated Glass, Add</i>	40.29
		<i>For Aluminum Clad Exterior, Add</i>	43.17
08 52 11 00-0054	EA	24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	507.72
		<i>For Low-E Insulated Glass, Add</i>	42.63
		<i>For Aluminum Clad Exterior, Add</i>	45.68
08 52 11 00-0055	EA	28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	530.54
		<i>For Low-E Insulated Glass, Add</i>	44.77
		<i>For Aluminum Clad Exterior, Add</i>	47.96
08 52 11 00-0056	EA	30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	543.49
		<i>For Low-E Insulated Glass, Add</i>	46.04
		<i>For Aluminum Clad Exterior, Add</i>	49.33
08 52 11 00-0057	EA	32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	554.89
		<i>For Low-E Insulated Glass, Add</i>	47.11
		<i>For Aluminum Clad Exterior, Add</i>	50.48
08 52 11 00-0058	EA	34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	567.83
		<i>For Low-E Insulated Glass, Add</i>	48.39
		<i>For Aluminum Clad Exterior, Add</i>	51.85
08 52 11 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	579.24
		<i>For Low-E Insulated Glass, Add</i>	49.46
		<i>For Aluminum Clad Exterior, Add</i>	52.99
08 52 11 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	605.10
		<i>For Low-E Insulated Glass, Add</i>	52.01
		<i>For Aluminum Clad Exterior, Add</i>	55.73
08 52 11 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	629.45
		<i>For Low-E Insulated Glass, Add</i>	54.36
		<i>For Aluminum Clad Exterior, Add</i>	58.24

08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	498.59
		<i>For Low-E Insulated Glass, Add</i>	41.35
		<i>For Aluminum Clad Exterior, Add</i>	44.31
08 52 11 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	522.93
		<i>For Low-E Insulated Glass, Add</i>	43.70
		<i>For Aluminum Clad Exterior, Add</i>	46.82
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	547.28
		<i>For Low-E Insulated Glass, Add</i>	46.04
		<i>For Aluminum Clad Exterior, Add</i>	49.33
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	558.69
		<i>For Low-E Insulated Glass, Add</i>	47.11
		<i>For Aluminum Clad Exterior, Add</i>	50.48
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	571.63
		<i>For Low-E Insulated Glass, Add</i>	48.39
		<i>For Aluminum Clad Exterior, Add</i>	51.85
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	583.03
		<i>For Low-E Insulated Glass, Add</i>	49.46
		<i>For Aluminum Clad Exterior, Add</i>	52.99
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	595.96
		<i>For Low-E Insulated Glass, Add</i>	50.73
		<i>For Aluminum Clad Exterior, Add</i>	54.36
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	621.84
		<i>For Low-E Insulated Glass, Add</i>	53.29
		<i>For Aluminum Clad Exterior, Add</i>	57.10
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	646.18
		<i>For Low-E Insulated Glass, Add</i>	55.64
		<i>For Aluminum Clad Exterior, Add</i>	59.61

08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	522.93
		<i>For Low-E Insulated Glass, Add</i>	43.70
		<i>For Aluminum Clad Exterior, Add</i>	46.82
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	547.28
		<i>For Low-E Insulated Glass, Add</i>	46.04
		<i>For Aluminum Clad Exterior, Add</i>	49.33
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	571.63
		<i>For Low-E Insulated Glass, Add</i>	48.39
		<i>For Aluminum Clad Exterior, Add</i>	51.85
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	583.03
		<i>For Low-E Insulated Glass, Add</i>	49.46
		<i>For Aluminum Clad Exterior, Add</i>	52.99
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	595.96
		<i>For Low-E Insulated Glass, Add</i>	50.73
		<i>For Aluminum Clad Exterior, Add</i>	54.36
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	608.91
		<i>For Low-E Insulated Glass, Add</i>	52.01
		<i>For Aluminum Clad Exterior, Add</i>	55.73
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	621.84
		<i>For Low-E Insulated Glass, Add</i>	53.29
		<i>For Aluminum Clad Exterior, Add</i>	57.10
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	646.18
		<i>For Low-E Insulated Glass, Add</i>	55.64
		<i>For Aluminum Clad Exterior, Add</i>	59.61
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	670.52
		<i>For Low-E Insulated Glass, Add</i>	57.98
		<i>For Aluminum Clad Exterior, Add</i>	62.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 11 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	545.39		
		For Low-E Insulated Glass, Add	46.04		
		For Aluminum Clad Exterior, Add	49.33		
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	569.73		
		For Low-E Insulated Glass, Add	48.39		
		For Aluminum Clad Exterior, Add	51.85		
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	594.06		
		For Low-E Insulated Glass, Add	50.73		
		For Aluminum Clad Exterior, Add	54.36		
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	607.00		
		For Low-E Insulated Glass, Add	52.01		
		For Aluminum Clad Exterior, Add	55.73		
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	619.95		
		For Low-E Insulated Glass, Add	53.29		
		For Aluminum Clad Exterior, Add	57.10		
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	631.35		
		For Low-E Insulated Glass, Add	54.36		
		For Aluminum Clad Exterior, Add	58.24		
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	644.28		
		For Low-E Insulated Glass, Add	55.64		
		For Aluminum Clad Exterior, Add	59.61		
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	668.62		
		For Low-E Insulated Glass, Add	57.98		
		For Aluminum Clad Exterior, Add	62.12		
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	691.46		
		For Low-E Insulated Glass, Add	60.11		
		For Aluminum Clad Exterior, Add	64.41		

08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	554.89		
		For Low-E Insulated Glass, Add	47.11		
		For Aluminum Clad Exterior, Add	50.48		
08 52 11 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	579.24		
		For Low-E Insulated Glass, Add	49.46		
		For Aluminum Clad Exterior, Add	52.99		
08 52 11 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	605.10		
		For Low-E Insulated Glass, Add	52.01		
		For Aluminum Clad Exterior, Add	55.73		
08 52 11 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	618.05		
		For Low-E Insulated Glass, Add	53.29		
		For Aluminum Clad Exterior, Add	57.10		
08 52 11 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	629.45		
		For Low-E Insulated Glass, Add	54.36		
		For Aluminum Clad Exterior, Add	58.24		
08 52 11 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	642.38		
		For Low-E Insulated Glass, Add	55.64		
		For Aluminum Clad Exterior, Add	59.61		
08 52 11 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	653.80		
		For Low-E Insulated Glass, Add	56.70		
		For Aluminum Clad Exterior, Add	60.75		
08 52 11 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	678.14		
		For Low-E Insulated Glass, Add	59.05		
		For Aluminum Clad Exterior, Add	63.27		
08 52 11 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	702.48		
		For Low-E Insulated Glass, Add	61.39		
		For Aluminum Clad Exterior, Add	65.78		

08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

08 52 11 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	571.63		
		For Low-E Insulated Glass, Add	48.39		
		For Aluminum Clad Exterior, Add	51.85		
08 52 11 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	595.96		
		For Low-E Insulated Glass, Add	50.73		
		For Aluminum Clad Exterior, Add	54.36		
08 52 11 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	621.84		
		For Low-E Insulated Glass, Add	53.29		
		For Aluminum Clad Exterior, Add	57.10		
08 52 11 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	633.25		
		For Low-E Insulated Glass, Add	54.36		
		For Aluminum Clad Exterior, Add	58.24		
08 52 11 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	646.18		
		For Low-E Insulated Glass, Add	55.64		
		For Aluminum Clad Exterior, Add	59.61		
08 52 11 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	657.59		
		For Low-E Insulated Glass, Add	56.70		
		For Aluminum Clad Exterior, Add	60.75		
08 52 11 00-0109	EA	36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	670.52		
		For Low-E Insulated Glass, Add	57.98		
		For Aluminum Clad Exterior, Add	62.12		
08 52 11 00-0110	EA	40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	693.35		
		For Low-E Insulated Glass, Add	60.11		
		For Aluminum Clad Exterior, Add	64.41		

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 11 00-0111	EA	44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	717.70	
		For Low-E Insulated Glass, Add	62.46	
		For Aluminum Clad Exterior, Add	66.92	

08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0113	EA	20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	595.96	
		For Low-E Insulated Glass, Add	50.73	
		For Aluminum Clad Exterior, Add	54.36	
08 52 11 00-0114	EA	24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	621.84	
		For Low-E Insulated Glass, Add	53.29	
		For Aluminum Clad Exterior, Add	57.10	
08 52 11 00-0115	EA	28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	646.18	
		For Low-E Insulated Glass, Add	55.64	
		For Aluminum Clad Exterior, Add	59.61	
08 52 11 00-0116	EA	30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	657.59	
		For Low-E Insulated Glass, Add	56.70	
		For Aluminum Clad Exterior, Add	60.75	
08 52 11 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	670.52	
		For Low-E Insulated Glass, Add	57.98	
		For Aluminum Clad Exterior, Add	62.12	
08 52 11 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	681.94	
		For Low-E Insulated Glass, Add	59.05	
		For Aluminum Clad Exterior, Add	63.27	
08 52 11 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	693.35	
		For Low-E Insulated Glass, Add	60.11	
		For Aluminum Clad Exterior, Add	64.41	
08 52 11 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	717.70	
		For Low-E Insulated Glass, Add	62.46	
		For Aluminum Clad Exterior, Add	66.92	
08 52 11 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	742.04	
		For Low-E Insulated Glass, Add	64.80	
		For Aluminum Clad Exterior, Add	69.43	

08 52 11 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	619.95	
		For Low-E Insulated Glass, Add	53.29	
		For Aluminum Clad Exterior, Add	57.10	
08 52 11 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	644.28	
		For Low-E Insulated Glass, Add	55.64	
		For Aluminum Clad Exterior, Add	59.61	
08 52 11 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	668.62	
		For Low-E Insulated Glass, Add	57.98	
		For Aluminum Clad Exterior, Add	62.12	
08 52 11 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	680.04	
		For Low-E Insulated Glass, Add	59.05	
		For Aluminum Clad Exterior, Add	63.27	
08 52 11 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	691.46	
		For Low-E Insulated Glass, Add	60.11	
		For Aluminum Clad Exterior, Add	64.41	
08 52 11 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	708.90	
		For Low-E Insulated Glass, Add	62.02	
		For Aluminum Clad Exterior, Add	66.45	
08 52 11 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	717.39	
		For Low-E Insulated Glass, Add	62.68	
		For Aluminum Clad Exterior, Add	67.16	
08 52 11 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	740.14	
		For Low-E Insulated Glass, Add	64.80	
		For Aluminum Clad Exterior, Add	69.43	
08 52 11 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	766.00	
		For Low-E Insulated Glass, Add	67.36	
		For Aluminum Clad Exterior, Add	72.17	

08 52 11 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	646.18	
		For Low-E Insulated Glass, Add	55.64	
		For Aluminum Clad Exterior, Add	59.61	
08 52 11 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	670.52	
		For Low-E Insulated Glass, Add	57.98	
		For Aluminum Clad Exterior, Add	62.12	
08 52 11 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	693.35	
		For Low-E Insulated Glass, Add	60.11	
		For Aluminum Clad Exterior, Add	64.41	
08 52 11 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	706.28	
		For Low-E Insulated Glass, Add	61.39	
		For Aluminum Clad Exterior, Add	65.78	
08 52 11 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	717.70	
		For Low-E Insulated Glass, Add	62.46	
		For Aluminum Clad Exterior, Add	66.92	
08 52 11 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	730.62	
		For Low-E Insulated Glass, Add	63.74	
		For Aluminum Clad Exterior, Add	68.29	
08 52 11 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	742.04	
		For Low-E Insulated Glass, Add	64.80	
		For Aluminum Clad Exterior, Add	69.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	767.91 67.36 72.17	
08 52 11 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	792.26 69.71 74.69	
08 52 11 00-0142			78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows (08 52 11 00-0001)		
08 52 11 00-0143	EA		20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	678.12 57.98 62.12	
08 52 11 00-0144	EA		24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	700.95 60.11 64.41	
08 52 11 00-0145	EA		28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	725.29 62.46 66.92	
08 52 11 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	738.22 63.74 68.29	
08 52 11 00-0147	EA		32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	749.64 64.80 69.43	
08 52 11 00-0148	EA		34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	762.57 66.08 70.80	
08 52 11 00-0149	EA		36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	775.51 67.36 72.17	
08 52 11 00-0150	EA		40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	799.85 69.71 74.69	
08 52 11 00-0151	EA		44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	824.19 72.05 77.20	
08 52 11 00-0152			Commercial And Institutional Heavy Double Hung Windows (08 52 11) Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153	SF		Up To 21 SF Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	198.74 14.01	16.96
08 52 11 00-0154	SF		21 To 40 SF Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	185.27 12.55	18.86
08 52 11 00-0155	SF		40 SF And Over Double Hung Wood Window With True Divided Lite <i>For Insulating Glass, Add</i>	172.27 11.04	21.16
08 52 11 00-0156			Architectural And Historic Reproduction Wood Windows (08 52 11) Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157	SF		Up To 21 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	216.13 15.49	16.95
08 52 11 00-0158	SF		21 To 40 SF Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	194.66 13.34	18.85
08 52 11 00-0159	SF		40 SF And Over Architectural And Historic Reproduction Wood Window <i>For Insulating Glass, Add</i>	177.77 11.51	21.15
08 52 11 00-0160			Removal And Reinstallation Of Wood Window And Frame (08 52 11) Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161	SF		Removal And Reinstallation Of Wood Windows And Frames.....	32.56	
08 52 16			Plastic-Clad Wood Windows (08 52)		
08 52 16 00-0001			Double Hung Wood Clad Windows (08 52 16) Note: Double hung windows feature two movable sashes that operate vertically and open independently.		
08 52 16 00-0002			Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0001) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003			35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)		
08 52 16 00-0004	EA		23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	433.44 37.04 61.73	62.39
08 52 16 00-0005	EA		27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	458.88 39.44 65.73	65.11
08 52 16 00-0006	EA		31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	482.66 41.64 69.40	67.82

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-0007	EA 35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	506.43 43.84 73.07		70.54
08 52 16 00-0008	41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)			
08 52 16 00-0009	EA 23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	469.93 40.44 67.40		66.47
08 52 16 00-0010	EA 27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	495.38 42.84 71.40		69.18
08 52 16 00-0011	EA 31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	519.16 45.04 75.07		71.90
08 52 16 00-0012	EA 35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	542.94 47.25 78.74		74.60
08 52 16 00-0013	47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)			
08 52 16 00-0014	EA 23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	506.43 43.84 73.07		70.54
08 52 16 00-0015	EA 27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	530.21 46.05 76.74		73.25
08 52 16 00-0016	EA 31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	555.65 48.45 80.75		75.96
08 52 16 00-0017	EA 35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	579.43 50.65 84.42		78.68
08 52 16 00-0018	53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)			
08 52 16 00-0019	EA 23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	542.94 47.25 78.74		74.60
08 52 16 00-0020	EA 27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	566.71 49.45 82.41		77.32
08 52 16 00-0021	EA 31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	590.49 51.65 86.08		80.03
08 52 16 00-0022	EA 35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	615.93 54.05 90.09		82.75
08 52 16 00-0023	56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)			
08 52 16 00-0024	EA 19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	536.57 46.65 77.74		74.60
08 52 16 00-0025	EA 23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	560.35 48.85 81.41		76.64
08 52 16 00-0026	EA 27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	585.79 51.25 85.42		80.03
08 52 16 00-0027	EA 31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	609.57 53.45 89.09		82.75
08 52 16 00-0028	EA 35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	633.35 55.65 92.76		85.45
08 52 16 00-0029	EA 39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	657.12 57.86 96.43		88.17
08 52 16 00-0030	59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)			
08 52 16 00-0031	EA 19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	555.65 48.45 80.75		75.96
08 52 16 00-0032	EA 23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	579.43 50.65 84.42		78.68
08 52 16 00-0033	EA 27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... For Low-E Insulated Glass, Add For Tempered Clear Insulated Glass, Add	603.20 52.85 88.09		81.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	626.98	84.10
			For Low-E Insulated Glass, Add	55.05	
			For Tempered Clear Insulated Glass, Add	91.76	
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	650.75	86.81
			For Low-E Insulated Glass, Add	57.26	
			For Tempered Clear Insulated Glass, Add	95.43	
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	676.20	89.53
			For Low-E Insulated Glass, Add	59.66	
			For Tempered Clear Insulated Glass, Add	99.43	
08 52 16 00-0037 65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)					
08 52 16 00-0038	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	615.93	82.75
			For Low-E Insulated Glass, Add	54.05	
			For Tempered Clear Insulated Glass, Add	90.09	
08 52 16 00-0039	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	639.71	85.45
			For Low-E Insulated Glass, Add	56.25	
			For Tempered Clear Insulated Glass, Add	93.76	
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	663.48	88.17
			For Low-E Insulated Glass, Add	58.46	
			For Tempered Clear Insulated Glass, Add	97.43	
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	687.26	90.89
			For Low-E Insulated Glass, Add	60.66	
			For Tempered Clear Insulated Glass, Add	101.10	
08 52 16 00-0042 71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)					
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	650.75	86.81
			For Low-E Insulated Glass, Add	57.26	
			For Tempered Clear Insulated Glass, Add	95.43	
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	676.20	89.53
			For Low-E Insulated Glass, Add	59.66	
			For Tempered Clear Insulated Glass, Add	99.43	
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	699.98	92.24
			For Low-E Insulated Glass, Add	61.86	
			For Tempered Clear Insulated Glass, Add	103.10	
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	723.77	94.96
			For Low-E Insulated Glass, Add	64.06	
			For Tempered Clear Insulated Glass, Add	106.77	
08 52 16 00-0047 Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0001)					
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.					
08 52 16 00-0048 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0049	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	532.17	62.39
			For Tempered Low-E Insulated Glass, Add	81.75	
08 52 16 00-0050	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	564.29	64.44
			For Tempered Low-E Insulated Glass, Add	87.09	
08 52 16 00-0051	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	598.08	67.14
			For Tempered Low-E Insulated Glass, Add	92.76	
08 52 16 00-0052	EA		31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	615.81	69.18
			For Tempered Low-E Insulated Glass, Add	95.76	
08 52 16 00-0053	EA		33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	631.86	70.54
			For Tempered Low-E Insulated Glass, Add	98.43	
08 52 16 00-0054	EA		35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	647.92	71.90
			For Tempered Low-E Insulated Glass, Add	101.10	
08 52 16 00-0055	EA		37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	665.65	72.57
			For Tempered Low-E Insulated Glass, Add	104.10	
08 52 16 00-0056	EA		41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	697.77	75.29
			For Tempered Low-E Insulated Glass, Add	109.44	
08 52 16 00-0057	EA		45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	731.55	78.00
			For Tempered Low-E Insulated Glass, Add	115.11	
08 52 16 00-0058 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0059	EA		21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	564.29	65.11
			For Tempered Low-E Insulated Glass, Add	87.09	
08 52 16 00-0060	EA		25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	598.08	67.14
			For Tempered Low-E Insulated Glass, Add	92.76	
08 52 16 00-0061	EA		29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	631.86	69.86
			For Tempered Low-E Insulated Glass, Add	98.43	
08 52 16 00-0062	EA		31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	647.92	71.90
			For Tempered Low-E Insulated Glass, Add	101.10	
08 52 16 00-0063	EA		33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	665.65	73.25
			For Tempered Low-E Insulated Glass, Add	104.10	
08 52 16 00-0064	EA		35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	681.72	74.60
			For Tempered Low-E Insulated Glass, Add	106.77	
08 52 16 00-0065	EA		37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	697.77	75.29
			For Tempered Low-E Insulated Glass, Add	109.44	
08 52 16 00-0066	EA		41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	731.55	78.00
			For Tempered Low-E Insulated Glass, Add	115.11	

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 16 00-0067	EA 45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	765.34	80.71
	For Tempered Low-E Insulated Glass, Add	120.78	
08 52 16 00-0068 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)			
08 52 16 00-0069	EA 21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	598.08	67.82
	For Tempered Low-E Insulated Glass, Add	92.76	
08 52 16 00-0070	EA 25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	631.86	69.86
	For Tempered Low-E Insulated Glass, Add	98.43	
08 52 16 00-0071	EA 29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	665.65	72.57
	For Tempered Low-E Insulated Glass, Add	104.10	
08 52 16 00-0072	EA 31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	681.72	74.60
	For Tempered Low-E Insulated Glass, Add	106.77	
08 52 16 00-0073	EA 33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	697.77	75.96
	For Tempered Low-E Insulated Glass, Add	109.44	
08 52 16 00-0074	EA 35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	715.50	77.32
	For Tempered Low-E Insulated Glass, Add	112.44	
08 52 16 00-0075	EA 37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	731.55	78.00
	For Tempered Low-E Insulated Glass, Add	115.11	
08 52 16 00-0076	EA 41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	765.34	80.71
	For Tempered Low-E Insulated Glass, Add	120.78	
08 52 16 00-0077	EA 45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	799.14	83.42
	For Tempered Low-E Insulated Glass, Add	126.46	
08 52 16 00-0078 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)			
08 52 16 00-0079	EA 21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	631.86	70.54
	For Tempered Low-E Insulated Glass, Add	98.43	
08 52 16 00-0080	EA 25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	665.65	72.57
	For Tempered Low-E Insulated Glass, Add	104.10	
08 52 16 00-0081	EA 29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	697.77	75.29
	For Tempered Low-E Insulated Glass, Add	109.44	
08 52 16 00-0082	EA 31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	715.50	77.32
	For Tempered Low-E Insulated Glass, Add	112.44	
08 52 16 00-0083	EA 33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	731.55	78.68
	For Tempered Low-E Insulated Glass, Add	115.11	
08 52 16 00-0084	EA 35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	747.62	80.03
	For Tempered Low-E Insulated Glass, Add	117.78	
08 52 16 00-0085	EA 37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	765.34	80.71
	For Tempered Low-E Insulated Glass, Add	120.78	
08 52 16 00-0086	EA 41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	799.14	83.42
	For Tempered Low-E Insulated Glass, Add	126.46	
08 52 16 00-0087	EA 45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	831.26	86.14
	For Tempered Low-E Insulated Glass, Add	131.80	
08 52 16 00-0088 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)			
08 52 16 00-0089	EA 21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	665.65	73.25
	For Tempered Low-E Insulated Glass, Add	104.10	
08 52 16 00-0090	EA 25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	697.77	75.29
	For Tempered Low-E Insulated Glass, Add	109.44	
08 52 16 00-0091	EA 29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	731.55	78.00
	For Tempered Low-E Insulated Glass, Add	115.11	
08 52 16 00-0092	EA 31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	747.62	80.03
	For Tempered Low-E Insulated Glass, Add	117.78	
08 52 16 00-0093	EA 33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	765.34	81.39
	For Tempered Low-E Insulated Glass, Add	120.78	
08 52 16 00-0094	EA 35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	781.40	82.75
	For Tempered Low-E Insulated Glass, Add	123.45	
08 52 16 00-0095	EA 37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	799.14	83.42
	For Tempered Low-E Insulated Glass, Add	126.46	
08 52 16 00-0096	EA 41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	831.26	86.14
	For Tempered Low-E Insulated Glass, Add	131.80	
08 52 16 00-0097	EA 45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	865.04	88.85
	For Tempered Low-E Insulated Glass, Add	137.47	
08 52 16 00-0098 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)			
08 52 16 00-0099	EA 21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	697.77	75.96
	For Tempered Low-E Insulated Glass, Add	109.44	
08 52 16 00-0100	EA 25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	731.55	78.00
	For Tempered Low-E Insulated Glass, Add	115.11	
08 52 16 00-0101	EA 29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	765.34	80.71
	For Tempered Low-E Insulated Glass, Add	120.78	
08 52 16 00-0102	EA 31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	781.40	82.75
	For Tempered Low-E Insulated Glass, Add	123.45	
08 52 16 00-0103	EA 33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	799.14	84.10
	For Tempered Low-E Insulated Glass, Add	126.46	
08 52 16 00-0104	EA 35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	815.19	85.45
	For Tempered Low-E Insulated Glass, Add	129.13	
08 52 16 00-0105	EA 37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	831.26	86.14
	For Tempered Low-E Insulated Glass, Add	131.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0106	EA		41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	865.04 137.47	88.85
08 52 16 00-0107	EA		45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	898.83 143.14	91.56
08 52 16 00-0108 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0109	EA		21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	731.55 115.11	78.68
08 52 16 00-0110	EA		25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	765.34 120.78	80.71
08 52 16 00-0111	EA		29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	799.14 126.46	83.42
08 52 16 00-0112	EA		31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	815.19 129.13	85.45
08 52 16 00-0113	EA		33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	831.26 131.80	86.81
08 52 16 00-0114	EA		35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	848.97 134.80	88.17
08 52 16 00-0115	EA		37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	865.04 137.47	88.85
08 52 16 00-0116	EA		41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	898.83 143.14	91.56
08 52 16 00-0117	EA		45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	930.94 148.48	94.27
08 52 16 00-0118 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0119	EA		21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	765.34 120.78	81.39
08 52 16 00-0120	EA		25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	799.14 126.46	83.42
08 52 16 00-0121	EA		29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	831.26 131.80	86.14
08 52 16 00-0122	EA		31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	848.97 134.80	88.17
08 52 16 00-0123	EA		33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	865.04 137.47	89.53
08 52 16 00-0124	EA		35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	881.10 140.14	90.89
08 52 16 00-0125	EA		37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	898.83 143.14	91.56
08 52 16 00-0126	EA		41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	930.94 148.48	94.27
08 52 16 00-0127	EA		45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	964.73 154.15	96.99
08 52 16 00-0128 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0129	EA		21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	799.14 126.46	84.10
08 52 16 00-0130	EA		25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	831.26 131.80	86.14
08 52 16 00-0131	EA		29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	865.04 137.47	88.85
08 52 16 00-0132	EA		31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	881.10 140.14	90.89
08 52 16 00-0133	EA		33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	898.83 143.14	92.24
08 52 16 00-0134	EA		35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	914.88 145.81	93.60
08 52 16 00-0135	EA		37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	930.94 148.48	94.27
08 52 16 00-0136	EA		41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	964.73 154.15	96.99
08 52 16 00-0137	EA		45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	998.52 159.82	99.71
08 52 16 00-0138 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0139	EA		21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	831.26 131.80	86.81
08 52 16 00-0140	EA		25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	865.04 137.47	88.85
08 52 16 00-0141	EA		29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	898.83 143.14	91.56
08 52 16 00-0142	EA		31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	914.88 145.81	93.60
08 52 16 00-0143	EA		33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	930.94 148.48	94.96
08 52 16 00-0144	EA		35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	948.67 151.48	96.31

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	964.73	96.99	
		<i>For Tempered Low-E Insulated Glass, Add</i>	154.15		
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	998.52	99.71	
		<i>For Tempered Low-E Insulated Glass, Add</i>	159.82		
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,032.31	102.41	
		<i>For Tempered Low-E Insulated Glass, Add</i>	165.50		
08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0149	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	865.04	89.53	
		<i>For Tempered Low-E Insulated Glass, Add</i>	137.47		
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	898.83	91.56	
		<i>For Tempered Low-E Insulated Glass, Add</i>	143.14		
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	930.94	94.27	
		<i>For Tempered Low-E Insulated Glass, Add</i>	148.48		
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	948.67	96.31	
		<i>For Tempered Low-E Insulated Glass, Add</i>	151.48		
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	964.73	97.66	
		<i>For Tempered Low-E Insulated Glass, Add</i>	154.15		
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	982.45	99.02	
		<i>For Tempered Low-E Insulated Glass, Add</i>	157.15		
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	998.52	99.71	
		<i>For Tempered Low-E Insulated Glass, Add</i>	159.82		
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,032.31	102.41	
		<i>For Tempered Low-E Insulated Glass, Add</i>	165.50		
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,064.42	105.13	
		<i>For Tempered Low-E Insulated Glass, Add</i>	170.83		
08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0159	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,328.00	94.96	
		<i>For Tempered Low-E Insulated Glass, Add</i>	227.89		
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,375.14	96.99	
		<i>For Tempered Low-E Insulated Glass, Add</i>	236.23		
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,422.26	99.71	
		<i>For Tempered Low-E Insulated Glass, Add</i>	244.57		
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,445.00	101.74	
		<i>For Tempered Low-E Insulated Glass, Add</i>	248.58		
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,469.40	103.09	
		<i>For Tempered Low-E Insulated Glass, Add</i>	252.91		
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,492.13	104.45	
		<i>For Tempered Low-E Insulated Glass, Add</i>	256.92		
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,514.86	105.13	
		<i>For Tempered Low-E Insulated Glass, Add</i>	260.92		
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,562.00	107.84	
		<i>For Tempered Low-E Insulated Glass, Add</i>	269.26		
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,609.13	110.56	
		<i>For Tempered Low-E Insulated Glass, Add</i>	277.61		
08 52 16 00-0168 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)					
08 52 16 00-0169	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,375.14	97.66	
		<i>For Tempered Low-E Insulated Glass, Add</i>	236.23		
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,422.26	99.71	
		<i>For Tempered Low-E Insulated Glass, Add</i>	244.57		
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,469.40	102.41	
		<i>For Tempered Low-E Insulated Glass, Add</i>	252.91		
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,492.13	104.45	
		<i>For Tempered Low-E Insulated Glass, Add</i>	256.92		
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,514.86	105.81	
		<i>For Tempered Low-E Insulated Glass, Add</i>	260.92		
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,539.27	107.16	
		<i>For Tempered Low-E Insulated Glass, Add</i>	265.26		
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,562.00	107.84	
		<i>For Tempered Low-E Insulated Glass, Add</i>	269.26		
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,609.13	110.56	
		<i>For Tempered Low-E Insulated Glass, Add</i>	277.61		
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	1,656.26	113.26	
		<i>For Tempered Low-E Insulated Glass, Add</i>	285.95		
08 52 16 00-0178 Casement Wood Clad Windows (08 52 16)					
Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.					
08 52 16 00-0179 Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0178)					
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.					
08 52 16 00-0180 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)					
08 52 16 00-0181 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0180)					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0182	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	466.48	51.54
			For Tempered Clear Insulated Glass, Add	72.95	
08 52 16 00-0183	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	493.18	52.90
			For Tempered Clear Insulated Glass, Add	77.47	
08 52 16 00-0184	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	523.12	55.62
			For Tempered Clear Insulated Glass, Add	82.38	
08 52 16 00-0185	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	550.77	58.33
			For Tempered Clear Insulated Glass, Add	86.82	
08 52 16 00-0186 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows					
(Andersen 200 Series) (08 52 16 00-0180)					
08 52 16 00-0187	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	500.19	54.26
			For Tempered Clear Insulated Glass, Add	78.61	
08 52 16 00-0188	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	526.89	55.62
			For Tempered Clear Insulated Glass, Add	83.13	
08 52 16 00-0189	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	556.83	58.33
			For Tempered Clear Insulated Glass, Add	88.03	
08 52 16 00-0190	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	571.94	61.05
			For Tempered Clear Insulated Glass, Add	89.97	
08 52 16 00-0191	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	606.41	63.75
			For Tempered Clear Insulated Glass, Add	96.05	
08 52 16 00-0192 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows					
(Andersen 200 Series) (08 52 16 00-0180)					
08 52 16 00-0193	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	560.60	58.33
			For Tempered Clear Insulated Glass, Add	88.79	
08 52 16 00-0194	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	589.18	61.05
			For Tempered Clear Insulated Glass, Add	93.69	
08 52 16 00-0195	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	619.13	63.08
			For Tempered Clear Insulated Glass, Add	98.59	
08 52 16 00-0196	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	666.04	65.79
			For Tempered Clear Insulated Glass, Add	106.89	
08 52 16 00-0197	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	710.59	67.82
			For Tempered Clear Insulated Glass, Add	114.99	
08 52 16 00-0198	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	753.90	69.18
			For Tempered Clear Insulated Glass, Add	123.11	
08 52 16 00-0199 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows					
(Andersen 200 Series) (08 52 16 00-0180)					
08 52 16 00-0200	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	601.33	62.39
			For Tempered Clear Insulated Glass, Add	95.58	
08 52 16 00-0201	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	628.02	63.75
			For Tempered Clear Insulated Glass, Add	100.10	
08 52 16 00-0202	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	657.96	66.47
			For Tempered Clear Insulated Glass, Add	105.01	
08 52 16 00-0203	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	725.62	69.18
			For Tempered Clear Insulated Glass, Add	117.45	
08 52 16 00-0204	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	772.27	71.90
			For Tempered Clear Insulated Glass, Add	125.97	
08 52 16 00-0205	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	816.20	74.60
			For Tempered Clear Insulated Glass, Add	133.67	
08 52 16 00-0206 48" Height, One Operating Sash, Casement Wood Clad Windows					
(Andersen 200 Series) (08 52 16 00-0180)					
08 52 16 00-0207	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	659.32	67.82
			For Tempered Clear Insulated Glass, Add	105.01	
08 52 16 00-0208	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	687.90	69.18
			For Tempered Clear Insulated Glass, Add	109.91	
08 52 16 00-0209	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	717.85	71.90
			For Tempered Clear Insulated Glass, Add	114.81	
08 52 16 00-0210	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	810.95	74.60
			For Tempered Clear Insulated Glass, Add	132.35	
08 52 16 00-0211	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	847.57	77.32
			For Tempered Clear Insulated Glass, Add	138.86	
08 52 16 00-0212	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	902.48	80.03
			For Tempered Clear Insulated Glass, Add	148.75	
08 52 16 00-0213 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows					
(Andersen 200 Series) (08 52 16 00-0180)					
08 52 16 00-0214	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	698.68	70.54
			For Tempered Clear Insulated Glass, Add	111.79	
08 52 16 00-0215	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	725.39	71.90
			For Tempered Clear Insulated Glass, Add	116.32	
08 52 16 00-0216	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	755.34	74.60
			For Tempered Clear Insulated Glass, Add	121.22	
08 52 16 00-0217	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	870.13	77.32
			For Tempered Clear Insulated Glass, Add	143.10	
08 52 16 00-0218	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	924.61	80.03
			For Tempered Clear Insulated Glass, Add	153.18	
08 52 16 00-0219	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	960.70	82.75
			For Tempered Clear Insulated Glass, Add	159.31	

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 16 00-0220 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows
(Andersen 200 Series) (08 52 16 00-0180)

08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	755.34	74.60
		For Tempered Clear Insulated Glass, Add	121.22	
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	783.91	77.32
		For Tempered Clear Insulated Glass, Add	126.13	
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	813.85	79.35
		For Tempered Clear Insulated Glass, Add	131.03	
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	955.05	82.07
		For Tempered Clear Insulated Glass, Add	158.18	
08 52 16 00-0225	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	993.78	84.10
		For Tempered Clear Insulated Glass, Add	165.12	
08 52 16 00-0226	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,045.62	86.81
		For Tempered Clear Insulated Glass, Add	174.40	

08 52 16 00-0227 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows
(Andersen 200 Series) (08 52 16 00-0180)

08 52 16 00-0228	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	796.05	78.68
		For Tempered Clear Insulated Glass, Add	128.01	
08 52 16 00-0229	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	822.76	80.03
		For Tempered Clear Insulated Glass, Add	132.54	
08 52 16 00-0230	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	852.69	82.75
		For Tempered Clear Insulated Glass, Add	137.44	
08 52 16 00-0231	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,014.64	85.45
		For Tempered Clear Insulated Glass, Add	168.74	
08 52 16 00-0232	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,050.68	88.17
		For Tempered Clear Insulated Glass, Add	175.14	
08 52 16 00-0233	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,105.21	90.89
		For Tempered Clear Insulated Glass, Add	184.96	

08 52 16 00-0234 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows
(Andersen 200 Series) (08 52 16 00-0180)

08 52 16 00-0235	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	852.69	82.75
		For Tempered Clear Insulated Glass, Add	137.44	
08 52 16 00-0236	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	881.28	85.45
		For Tempered Clear Insulated Glass, Add	142.34	
08 52 16 00-0237	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	911.21	87.50
		For Tempered Clear Insulated Glass, Add	147.25	
08 52 16 00-0238	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,099.56	90.20
		For Tempered Clear Insulated Glass, Add	183.83	
08 52 16 00-0239	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,143.73	92.24
		For Tempered Clear Insulated Glass, Add	191.85	
08 52 16 00-0240	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,190.14	94.96
		For Tempered Clear Insulated Glass, Add	200.05	

08 52 16 00-0241 Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)

08 52 16 00-0242 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows
(Andersen 200 Series) (08 52 16 00-0241)

08 52 16 00-0243	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	831.34	66.47
		For Tempered Clear Insulated Glass, Add	139.68	
08 52 16 00-0244	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	944.31	71.90
		For Tempered Clear Insulated Glass, Add	160.10	
08 52 16 00-0245	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,075.04	77.32
		For Tempered Clear Insulated Glass, Add	184.08	

08 52 16 00-0246 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows
(Andersen 200 Series) (08 52 16 00-0241)

08 52 16 00-0247	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	896.61	69.18
		For Tempered Clear Insulated Glass, Add	151.65	
08 52 16 00-0248	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,009.58	74.60
		For Tempered Clear Insulated Glass, Add	172.07	
08 52 16 00-0249	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,140.31	80.03
		For Tempered Clear Insulated Glass, Add	196.05	

08 52 16 00-0250 35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows
(Andersen 200 Series) (08 52 16 00-0241)

08 52 16 00-0251	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	888.59	69.18
		For Tempered Clear Insulated Glass, Add	150.05	
08 52 16 00-0252	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,003.69	74.60
		For Tempered Clear Insulated Glass, Add	171.17	
08 52 16 00-0253	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,123.91	80.03
		For Tempered Clear Insulated Glass, Add	193.04	
08 52 16 00-0254	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,262.99	84.78
		For Tempered Clear Insulated Glass, Add	218.69	
08 52 16 00-0255	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,356.23	88.85
		For Tempered Clear Insulated Glass, Add	235.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0256	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,511.51 264.32	94.96
08 52 16 00-0257 40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)					
08 52 16 00-0258	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	968.91 164.75	72.57
08 52 16 00-0259	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,084.01 185.87	77.32
08 52 16 00-0260	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,204.23 207.75	82.75
08 52 16 00-0261	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,343.31 233.39	88.17
08 52 16 00-0262	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,446.55 252.41	92.24
08 52 16 00-0263	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,880.34 336.73	98.35
08 52 16 00-0264 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)					
08 52 16 00-0265	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,087.25 186.25	78.00
08 52 16 00-0266	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,204.23 207.75	82.75
08 52 16 00-0267	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,324.46 229.62	88.17
08 52 16 00-0268	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,463.54 255.27	93.60
08 52 16 00-0269	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,562.44 273.42	97.66
08 52 16 00-0270	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,712.06 300.90	103.77
08 52 16 00-0271 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)					
08 52 16 00-0272	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,166.22 200.96	80.71
08 52 16 00-0273	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,281.32 222.08	85.45
08 52 16 00-0274	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,387.55 241.16	90.89
08 52 16 00-0275	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,450.62 269.60	96.31
08 52 16 00-0276	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,644.24 288.70	100.38
08 52 16 00-0277	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,791.03 315.61	106.48
08 52 16 00-0278 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)					
08 52 16 00-0279	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,283.21 222.46	85.45
08 52 16 00-0280	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,398.30 243.58	90.89
08 52 16 00-0281	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,518.52 265.45	96.31
08 52 16 00-0282	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,657.61 291.10	101.05
08 52 16 00-0283	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,761.22 310.19	105.13
08 52 16 00-0284	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,906.12 336.73	111.23
08 52 16 00-0285 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)					
08 52 16 00-0286	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,363.53 237.17	88.85
08 52 16 00-0287	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,478.62 258.29	93.60
08 52 16 00-0288	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,600.73 280.54	99.02
08 52 16 00-0289	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,739.81 306.18	104.45
08 52 16 00-0290 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0241)					
08 52 16 00-0291	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,480.51 258.66	93.60

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 52 16 00-0292	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,595.60	99.02	
		<i>For Tempered Clear Insulated Glass, Add</i>	279.78		
08 52 16 00-0293	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series).....	1,715.83	104.45	
		<i>For Tempered Clear Insulated Glass, Add</i>	301.66		
08 52 16 00-0294	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,854.91	109.20	
		<i>For Tempered Clear Insulated Glass, Add</i>	327.30		
08 52 16 00-0295		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0179)			
08 52 16 00-0296		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)			
08 52 16 00-0297	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,315.71	87.50	
		<i>For Tempered Clear Insulated Glass, Add</i>	228.15		
08 52 16 00-0298	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,529.67	96.31	
		<i>For Tempered Clear Insulated Glass, Add</i>	267.41		
08 52 16 00-0299		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)			
08 52 16 00-0300	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,395.84	90.20	
		<i>For Tempered Clear Insulated Glass, Add</i>	243.09		
08 52 16 00-0301	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,595.79	99.02	
		<i>For Tempered Clear Insulated Glass, Add</i>	279.55		
08 52 16 00-0302		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)			
08 52 16 00-0303	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,343.70	88.17	
		<i>For Tempered Clear Insulated Glass, Add</i>	233.47		
08 52 16 00-0304	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,515.29	94.96	
		<i>For Tempered Clear Insulated Glass, Add</i>	265.08		
08 52 16 00-0305	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,727.15	104.45	
		<i>For Tempered Clear Insulated Glass, Add</i>	303.92		
08 52 16 00-0306		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)			
08 52 16 00-0307	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,420.19	92.24	
		<i>For Tempered Clear Insulated Glass, Add</i>	247.41		
08 52 16 00-0308	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,597.48	98.35	
		<i>For Tempered Clear Insulated Glass, Add</i>	280.16		
08 52 16 00-0309	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,807.47	107.16	
		<i>For Tempered Clear Insulated Glass, Add</i>	318.63		
08 52 16 00-0310		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)			
08 52 16 00-0311	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,715.83	103.77	
		<i>For Tempered Clear Insulated Glass, Add</i>	301.66		
08 52 16 00-0312	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,925.82	112.59	
		<i>For Tempered Clear Insulated Glass, Add</i>	340.13		
08 52 16 00-0313		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)			
08 52 16 00-0314	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,794.80	106.48	
		<i>For Tempered Clear Insulated Glass, Add</i>	316.37		
08 52 16 00-0315	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,004.78	115.30	
		<i>For Tempered Clear Insulated Glass, Add</i>	354.84		
08 52 16 00-0316		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0295)			
08 52 16 00-0317	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,909.90	111.23	
		<i>For Tempered Clear Insulated Glass, Add</i>	337.49		
08 52 16 00-0318	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,121.77	120.72	
		<i>For Tempered Clear Insulated Glass, Add</i>	376.33		

		Openings 08		08
		Windows	08 50	
		Wood Windows	08 52	
MINOR	TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION	UNIT COST		UNIT COST	
08 52 16 00-0319	Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0178) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.			
08 52 16 00-0320	One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)			
08 52 16 00-0321	24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)			
08 52 16 00-0322	EA 17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	554.17		51.54
	For Tempered Low-E Insulated Glass, Add	90.49		
08 52 16 00-0323	EA 20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	586.52		52.90
	For Tempered Low-E Insulated Glass, Add	96.14		
08 52 16 00-0324	EA 24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	622.59		55.62
	For Tempered Low-E Insulated Glass, Add	102.27		
08 52 16 00-0325	EA 28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	655.80		58.33
	For Tempered Low-E Insulated Glass, Add	107.83		
08 52 16 00-0326	28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)			
08 52 16 00-0327	EA 17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	594.95		54.26
	For Tempered Low-E Insulated Glass, Add	97.56		
08 52 16 00-0328	EA 20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	627.30		55.62
	For Tempered Low-E Insulated Glass, Add	103.21		
08 52 16 00-0329	EA 24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	663.38		58.33
	For Tempered Low-E Insulated Glass, Add	109.34		
08 52 16 00-0330	EA 28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	680.91		61.05
	For Tempered Low-E Insulated Glass, Add	111.77		
08 52 16 00-0331	EA 31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	722.97		63.75
	For Tempered Low-E Insulated Glass, Add	119.36		
08 52 16 00-0332	35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)			
08 52 16 00-0333	EA 17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	668.09		58.33
	For Tempered Low-E Insulated Glass, Add	110.29		
08 52 16 00-0334	EA 20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	702.79		61.05
	For Tempered Low-E Insulated Glass, Add	116.41		
08 52 16 00-0335	EA 24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	738.88		63.08
	For Tempered Low-E Insulated Glass, Add	122.54		
08 52 16 00-0336	EA 28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	796.15		65.79
	For Tempered Low-E Insulated Glass, Add	132.91		
08 52 16 00-0337	EA 31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	850.83		67.82
	For Tempered Low-E Insulated Glass, Add	143.04		
08 52 16 00-0338	EA 35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	904.29		69.18
	For Tempered Low-E Insulated Glass, Add	153.19		
08 52 16 00-0339	40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)			
08 52 16 00-0340	EA 17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	717.30		62.39
	For Tempered Low-E Insulated Glass, Add	118.77		
08 52 16 00-0341	EA 20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	749.65		63.75
	For Tempered Low-E Insulated Glass, Add	124.43		
08 52 16 00-0342	EA 24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	785.72		66.47
	For Tempered Low-E Insulated Glass, Add	130.56		
08 52 16 00-0343	EA 28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	868.93		69.18
	For Tempered Low-E Insulated Glass, Add	146.11		
08 52 16 00-0344	EA 31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	926.23		71.90
	For Tempered Low-E Insulated Glass, Add	156.76		
08 52 16 00-0345	EA 35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	979.79		74.60
	For Tempered Low-E Insulated Glass, Add	166.39		
08 52 16 00-0346	48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)			
08 52 16 00-0347	EA 17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	787.08		67.82
	For Tempered Low-E Insulated Glass, Add	130.56		
08 52 16 00-0348	EA 20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	821.79		69.18
	For Tempered Low-E Insulated Glass, Add	136.69		
08 52 16 00-0349	EA 24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	857.86		71.90
	For Tempered Low-E Insulated Glass, Add	142.81		
08 52 16 00-0350	EA 28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	972.89		74.60
	For Tempered Low-E Insulated Glass, Add	164.73		
08 52 16 00-0351	EA 31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,017.65		77.32
	For Tempered Low-E Insulated Glass, Add	172.87		
08 52 16 00-0352	EA 35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,084.93		80.03
	For Tempered Low-E Insulated Glass, Add	185.24		
08 52 16 00-0353	52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0320)			

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-0354	EA 17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	834.93 139.04		70.54
08 52 16 00-0355	EA 20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	867.29 144.70		71.90
08 52 16 00-0356	EA 24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	903.37 150.83		74.60
08 52 16 00-0357	EA 28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,045.50 178.17		77.32
08 52 16 00-0358	EA 31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,112.59 190.78		80.03
08 52 16 00-0359	EA 35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,156.35 198.44		82.75
08 52 16 00-0360 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows				
(Andersen 400 Series) (08 52 16 00-0320)				
08 52 16 00-0361	EA 17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	903.37 150.83		74.60
08 52 16 00-0362	EA 20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	938.07 156.96		77.32
08 52 16 00-0363	EA 24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	974.14 163.09		79.35
08 52 16 00-0364	EA 28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,149.28 197.03		82.07
08 52 16 00-0365	EA 31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,196.67 205.69		84.10
08 52 16 00-0366	EA 35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,260.13 217.30		86.81
08 52 16 00-0367 64-13/16" Height, One Operating Sash, Casement Wood Clad Windows				
(Andersen 400 Series) (08 52 16 00-0320)				
08 52 16 00-0368	EA 17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	952.56 159.31		78.68
08 52 16 00-0369	EA 20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	984.93 164.97		80.03
08 52 16 00-0370	EA 24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,020.99 171.10		82.75
08 52 16 00-0371	EA 28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,222.07 210.23		85.45
08 52 16 00-0372	EA 31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,266.11 218.23		88.17
08 52 16 00-0373	EA 35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,332.92 230.50		90.89
08 52 16 00-0374 71-7/8" Height, One Operating Sash, Casement Wood Clad Windows				
(Andersen 400 Series) (08 52 16 00-0320)				
08 52 16 00-0375	EA 17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,020.99 171.10		82.75
08 52 16 00-0376	EA 20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,055.71 177.23		85.45
08 52 16 00-0377	EA 24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,091.77 183.36		87.50
08 52 16 00-0378	EA 28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,325.84 229.09		90.20
08 52 16 00-0379	EA 31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,380.04 239.11		92.24
08 52 16 00-0380	EA 35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,436.70 249.36		94.96
08 52 16 00-0381 Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)				
08 52 16 00-0382 24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows				
(Andersen 400 Series) (08 52 16 00-0361)				
08 52 16 00-0383	EA 40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	998.94 173.20		66.47
08 52 16 00-0384	EA 48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,137.44 198.73		71.90
08 52 16 00-0385	EA 56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,298.14 228.70		77.32
08 52 16 00-0386 28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows				
(Andersen 400 Series) (08 52 16 00-0361)				
08 52 16 00-0387	EA 40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,079.17 188.16		69.18
08 52 16 00-0388	EA 48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,217.68 213.69		74.60
08 52 16 00-0389	EA 56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,378.37 243.66		80.03

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0390		35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0391	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,069.15	69.18
		For Tempered Low-E Insulated Glass, Add	186.16	
08 52 16 00-0392	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,210.65	74.60
		For Tempered Low-E Insulated Glass, Add	212.56	
08 52 16 00-0393	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,358.21	80.03
		For Tempered Low-E Insulated Glass, Add	239.90	
08 52 16 00-0394	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,529.35	84.78
		For Tempered Low-E Insulated Glass, Add	271.96	
08 52 16 00-0395	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,643.86	88.85
		For Tempered Low-E Insulated Glass, Add	293.23	
08 52 16 00-0396	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,834.92	94.96
		For Tempered Low-E Insulated Glass, Add	329.00	
08 52 16 00-0397		40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0398	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,167.86	72.57
		For Tempered Low-E Insulated Glass, Add	204.54	
08 52 16 00-0399	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,309.36	77.32
		For Tempered Low-E Insulated Glass, Add	230.94	
08 52 16 00-0400	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,456.92	82.75
		For Tempered Low-E Insulated Glass, Add	258.29	
08 52 16 00-0401	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,628.06	88.17
		For Tempered Low-E Insulated Glass, Add	290.34	
08 52 16 00-0402	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,755.07	92.24
		For Tempered Low-E Insulated Glass, Add	314.12	
08 52 16 00-0403	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,294.26	98.35
		For Tempered Low-E Insulated Glass, Add	419.52	
08 52 16 00-0404		48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0405	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,313.06	78.00
		For Tempered Low-E Insulated Glass, Add	231.41	
08 52 16 00-0406	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,456.92	82.75
		For Tempered Low-E Insulated Glass, Add	258.29	
08 52 16 00-0407	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,604.49	88.17
		For Tempered Low-E Insulated Glass, Add	285.63	
08 52 16 00-0408	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,775.62	93.60
		For Tempered Low-E Insulated Glass, Add	317.69	
08 52 16 00-0409	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,897.22	97.66
		For Tempered Low-E Insulated Glass, Add	340.38	
08 52 16 00-0410	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,081.19	103.77
		For Tempered Low-E Insulated Glass, Add	374.73	
08 52 16 00-0411		52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0412	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,410.42	80.71
		For Tempered Low-E Insulated Glass, Add	249.80	
08 52 16 00-0413	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,551.92	85.45
		For Tempered Low-E Insulated Glass, Add	276.20	
08 52 16 00-0414	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,685.49	90.89
		For Tempered Low-E Insulated Glass, Add	300.74	
08 52 16 00-0415	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,870.63	96.31
		For Tempered Low-E Insulated Glass, Add	335.60	
08 52 16 00-0416	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,998.12	100.38
		For Tempered Low-E Insulated Glass, Add	359.47	
08 52 16 00-0417	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,178.55	106.48
		For Tempered Low-E Insulated Glass, Add	393.12	
08 52 16 00-0418		59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0419	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,554.28	85.45
		For Tempered Low-E Insulated Glass, Add	276.67	
08 52 16 00-0420	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,695.77	90.89
		For Tempered Low-E Insulated Glass, Add	303.07	
08 52 16 00-0421	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,843.34	96.31
		For Tempered Low-E Insulated Glass, Add	330.42	
08 52 16 00-0422	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,014.48	101.05
		For Tempered Low-E Insulated Glass, Add	362.47	
08 52 16 00-0423	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,141.97	105.13
		For Tempered Low-E Insulated Glass, Add	386.34	
08 52 16 00-0424	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,320.04	111.23
		For Tempered Low-E Insulated Glass, Add	419.52	
08 52 16 00-0425		64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)		
08 52 16 00-0426	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,652.99	88.85
		For Tempered Low-E Insulated Glass, Add	295.06	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 52 16 00-0427	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,794.48	93.60	
		<i>For Tempered Low-E Insulated Glass, Add</i>	321.46		
08 52 16 00-0428	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,944.40	99.02	
		<i>For Tempered Low-E Insulated Glass, Add</i>	349.27		
08 52 16 00-0429	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,115.54	104.45	
		<i>For Tempered Low-E Insulated Glass, Add</i>	381.33		
08 52 16 00-0430		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0381)			
08 52 16 00-0431	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,796.84	93.60	
		<i>For Tempered Low-E Insulated Glass, Add</i>	321.93		
08 52 16 00-0432	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,938.33	99.02	
		<i>For Tempered Low-E Insulated Glass, Add</i>	348.33		
08 52 16 00-0433	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,085.91	104.45	
		<i>For Tempered Low-E Insulated Glass, Add</i>	375.67		
08 52 16 00-0434	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,257.04	109.20	
		<i>For Tempered Low-E Insulated Glass, Add</i>	407.73		
08 52 16 00-0435		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0319)			
08 52 16 00-0436		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0437	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,597.40	87.50	
		<i>For Tempered Low-E Insulated Glass, Add</i>	284.48		
08 52 16 00-0438	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,856.93	96.31	
		<i>For Tempered Low-E Insulated Glass, Add</i>	332.86		
08 52 16 00-0439		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0440	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,692.70	90.20	
		<i>For Tempered Low-E Insulated Glass, Add</i>	302.46		
08 52 16 00-0441	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,938.23	99.02	
		<i>For Tempered Low-E Insulated Glass, Add</i>	348.04		
08 52 16 00-0442		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0443	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,628.54	88.17	
		<i>For Tempered Low-E Insulated Glass, Add</i>	290.44		
08 52 16 00-0444	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,839.63	94.96	
		<i>For Tempered Low-E Insulated Glass, Add</i>	329.94		
08 52 16 00-0445	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,100.05	104.45	
		<i>For Tempered Low-E Insulated Glass, Add</i>	378.50		
08 52 16 00-0446		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0447	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,722.45	92.24	
		<i>For Tempered Low-E Insulated Glass, Add</i>	307.86		
08 52 16 00-0448	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,940.69	98.35	
		<i>For Tempered Low-E Insulated Glass, Add</i>	348.80		
08 52 16 00-0449	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,198.76	107.16	
		<i>For Tempered Low-E Insulated Glass, Add</i>	396.89		
08 52 16 00-0450		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0451	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,085.91	103.77	
		<i>For Tempered Low-E Insulated Glass, Add</i>	375.67		
08 52 16 00-0452	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,343.98	112.59	
		<i>For Tempered Low-E Insulated Glass, Add</i>	423.76		
08 52 16 00-0453		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)			
08 52 16 00-0454	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,183.26	106.48	
		<i>For Tempered Low-E Insulated Glass, Add</i>	394.06		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0455	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,441.33 442.15	115.30
08 52 16 00-0456			59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0435)		
08 52 16 00-0457	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,324.76 420.46	111.23
08 52 16 00-0458	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,585.18 469.02	120.72
08 52 16 00-0459			Awning Wood Clad Windows (08 52 16) Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0460			Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0459) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461			Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0460)		
08 52 16 00-0462			17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0463	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	505.13 78.78	55.62
08 52 16 00-0464	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	540.73 84.81	58.33
08 52 16 00-0465	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	569.86 89.83	60.36
08 52 16 00-0466	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	606.81 96.13	63.08
08 52 16 00-0467	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	649.41 103.30	66.47
08 52 16 00-0468	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	714.95 114.23	71.90
08 52 16 00-0469	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	756.21 121.40	74.60
08 52 16 00-0470	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	816.61 131.58	80.03
08 52 16 00-0471	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	839.53 134.81	82.75
08 52 16 00-0472	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	899.29 144.86	87.50
08 52 16 00-0473			20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0474	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	532.76 83.49	58.33
08 52 16 00-0475	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	571.19 90.09	61.05
08 52 16 00-0476	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	596.33 94.31	62.39
08 52 16 00-0477	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	637.27 101.41	65.11
08 52 16 00-0478	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	679.89 108.58	69.18
08 52 16 00-0479	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	743.54 119.14	73.93
08 52 16 00-0480	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	784.78 126.30	77.32
08 52 16 00-0481	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	847.08 136.86	81.39
08 52 16 00-0482	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	867.81 139.65	85.45
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	929.43 150.08	89.53
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,425.96 245.86	99.02
08 52 16 00-0485			24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)		
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	567.42 89.34	61.05
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	603.03 95.37	63.75
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	627.34 99.42	65.11
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	669.10 106.69	67.82
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	711.71 113.86	71.90
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	777.24 124.79	76.64

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-0492	EA 52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	818.50 131.96		80.03
08 52 16 00-0493	EA 59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	880.79 142.52		84.10
08 52 16 00-0494	EA 64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	899.29 144.86		88.17
08 52 16 00-0495	EA 71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	958.99 154.90		92.24
08 52 16 00-0496	EA 84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,500.17 259.61		101.74
08 52 16 00-0497 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)				
08 52 16 00-0498	EA 24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	567.21 88.21		63.75
08 52 16 00-0499	EA 28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	621.66 98.02		66.47
08 52 16 00-0500	EA 31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	656.76 104.22		67.82
08 52 16 00-0501	EA 35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	721.66 116.12		70.54
08 52 16 00-0502	EA 40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	786.91 127.81		74.60
08 52 16 00-0503	EA 48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	882.62 144.78		79.35
08 52 16 00-0504	EA 52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	944.61 156.10		82.75
08 52 16 00-0505	EA 59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,038.96 173.07		86.81
08 52 16 00-0506	EA 64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,074.15 178.75		90.89
08 52 16 00-0507	EA 71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,165.57 195.13		94.96
08 52 16 00-0508	EA 84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,540.92 266.68		104.45
08 52 16 00-0509 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)				
08 52 16 00-0510	EA 28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	656.76 104.22		67.82
08 52 16 00-0511	EA 31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	694.40 110.94		69.86
08 52 16 00-0512	EA 35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	746.21 120.21		72.57
08 52 16 00-0513	EA 40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	804.17 130.45		75.96
08 52 16 00-0514	EA 48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	888.59 145.16		81.39
08 52 16 00-0515	EA 52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	946.79 155.72		84.10
08 52 16 00-0516	EA 59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,029.86 170.43		89.53
08 52 16 00-0517	EA 64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,087.82 180.67		92.24
08 52 16 00-0518	EA 71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,172.48 195.70		96.99
08 52 16 00-0519	EA 84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,642.23 286.12		105.81
08 52 16 00-0520 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)				
08 52 16 00-0521	EA 31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	746.21 120.21		72.57
08 52 16 00-0522	EA 35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	819.79 133.84		75.29
08 52 16 00-0523	EA 40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	885.03 145.54		78.68
08 52 16 00-0524	EA 48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	980.73 162.51		84.10
08 52 16 00-0525	EA 52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,044.61 174.20		86.81
08 52 16 00-0526	EA 59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,137.09 190.79		92.24
08 52 16 00-0527	EA 64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	996.14 161.25		94.96
08 52 16 00-0528	EA 71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,068.94 173.91		99.71
08 52 16 00-0529 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0461)				
08 52 16 00-0530	EA 35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	873.71 143.27		78.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0531	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	982.32 163.64	82.75
08 52 16 00-0532			48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0461)		
08 52 16 00-0533	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,037.31 173.82	84.10
08 52 16 00-0534	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,147.80 194.56	88.17
08 52 16 00-0535	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,309.51 224.74	92.92
08 52 16 00-0536			59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0461)		
08 52 16 00-0537	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,281.89 219.75	91.56
08 52 16 00-0538	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,378.73 237.76	94.96
08 52 16 00-0539			71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0461)		
08 52 16 00-0540	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,400.32 243.17	92.24
08 52 16 00-0541	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,449.62 250.04	99.71
08 52 16 00-0542	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,602.92 279.35	103.09
08 52 16 00-0543	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,759.93 308.58	108.52
08 52 16 00-0544			Stationary, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0460)		
08 52 16 00-0545			17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0544)		
08 52 16 00-0546	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	446.68 67.09	55.62
08 52 16 00-0547	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	480.39 72.75	58.33
08 52 16 00-0548	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	502.69 76.39	60.36
08 52 16 00-0549	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	538.92 82.55	63.08
08 52 16 00-0550	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	577.75 88.96	66.47
08 52 16 00-0551	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	637.64 98.77	71.90
08 52 16 00-0552	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	673.24 104.80	74.60
08 52 16 00-0553	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	729.87 114.23	80.03
08 52 16 00-0554	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	768.71 120.64	82.75
08 52 16 00-0555	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	825.34 130.07	87.50
08 52 16 00-0556			20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0544)		
08 52 16 00-0557	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	473.37 71.61	58.33
08 52 16 00-0558	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	507.08 77.27	61.05
08 52 16 00-0559	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	527.56 80.55	62.39
08 52 16 00-0560	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	567.49 87.45	65.11
08 52 16 00-0561	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	606.34 93.87	69.18
08 52 16 00-0562	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	664.34 103.30	73.93
08 52 16 00-0563	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	701.81 109.71	77.32
08 52 16 00-0564	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	756.56 118.76	81.39
08 52 16 00-0565	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	797.29 125.55	85.45
08 52 16 00-0566	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	852.04 134.60	89.53
08 52 16 00-0567			24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) ^(08 52 16 00-0544)		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-0568	EA 24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	503.31 76.52		61.05
08 52 16 00-0569	EA 28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	537.03 82.17		63.75
08 52 16 00-0570	EA 31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	555.37 85.03		65.11
08 52 16 00-0571	EA 35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	595.55 91.98		67.82
08 52 16 00-0572	EA 40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	634.39 98.39		71.90
08 52 16 00-0573	EA 48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	692.38 107.82		76.64
08 52 16 00-0574	EA 52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	729.87 114.23		80.03
08 52 16 00-0575	EA 59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	786.50 123.66		84.10
08 52 16 00-0576	EA 64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	825.34 130.07		88.17
08 52 16 00-0577	EA 71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	881.99 139.50		92.24
08 52 16 00-0578 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)				
08 52 16 00-0579	EA 24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	506.86 76.14		63.75
08 52 16 00-0580	EA 28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	551.88 84.06		66.47
08 52 16 00-0581	EA 31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	576.79 88.23		67.82
08 52 16 00-0582	EA 35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	600.97 91.98		70.54
08 52 16 00-0583	EA 40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	685.08 107.44		74.60
08 52 16 00-0584	EA 48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	761.93 120.64		79.35
08 52 16 00-0585	EA 52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	812.61 129.70		82.75
08 52 16 00-0586	EA 59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	888.10 142.90		86.81
08 52 16 00-0587	EA 64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	942.03 152.32		90.89
08 52 16 00-0588	EA 71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,017.53 165.52		94.96
08 52 16 00-0589 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)				
08 52 16 00-0590	EA 28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	576.79 88.23		67.82
08 52 16 00-0591	EA 31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	608.04 93.67		69.86
08 52 16 00-0592	EA 35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	650.25 101.02		72.57
08 52 16 00-0593	EA 40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	698.61 109.34		75.96
08 52 16 00-0594	EA 48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	768.64 121.17		81.39
08 52 16 00-0595	EA 52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	815.65 129.49		84.10
08 52 16 00-0596	EA 59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	884.32 141.32		89.53
08 52 16 00-0597	EA 64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	931.09 149.32		92.24
08 52 16 00-0598	EA 71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	999.76 161.16		96.99
08 52 16 00-0599 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0544)				
08 52 16 00-0600	EA 31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	650.25 101.02		72.57
08 52 16 00-0601	EA 35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	712.30 112.35		75.29
08 52 16 00-0602	EA 40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	764.34 121.40		78.68
08 52 16 00-0603	EA 48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	843.08 134.98		84.10
08 52 16 00-0604	EA 52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	893.75 144.03		86.81
08 52 16 00-0605	EA 59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	969.26 157.23		92.24
08 52 16 00-0606	EA 64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,021.30 166.28		94.96
08 52 16 00-0607	EA 71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	1,096.79 179.48		99.71

		Openings08		08
		Windows	08 50	
		Wood Windows	08 52	
MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
08 52 16 00-0608	Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0459) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.			
08 52 16 00-0609	Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0608)			
08 52 16 00-0610	17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)			
08 52 16 00-0611	EA 24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	598.48		55.62
	For Tempered Low-E Insulated Glass, Add	97.45		
08 52 16 00-0612	EA 28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	641.62		58.33
	For Tempered Low-E Insulated Glass, Add	104.99		
08 52 16 00-0613	EA 31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	677.01		60.36
	For Tempered Low-E Insulated Glass, Add	111.26		
08 52 16 00-0614	EA 35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	721.84		63.08
	For Tempered Low-E Insulated Glass, Add	119.14		
08 52 16 00-0615	EA 40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	773.39		66.47
	For Tempered Low-E Insulated Glass, Add	128.09		
08 52 16 00-0616	EA 48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	852.61		71.90
	For Tempered Low-E Insulated Glass, Add	141.76		
08 52 16 00-0617	EA 52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	902.83		74.60
	For Tempered Low-E Insulated Glass, Add	150.72		
08 52 16 00-0618	EA 59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	975.96		80.03
	For Tempered Low-E Insulated Glass, Add	163.45		
08 52 16 00-0619	EA 64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,002.91		82.75
	For Tempered Low-E Insulated Glass, Add	167.48		
08 52 16 00-0620	EA 71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,075.24		87.50
	For Tempered Low-E Insulated Glass, Add	180.05		
08 52 16 00-0621	20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)			
08 52 16 00-0622	EA 24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	632.00		58.33
	For Tempered Low-E Insulated Glass, Add	103.34		
08 52 16 00-0623	EA 28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	678.68		61.05
	For Tempered Low-E Insulated Glass, Add	111.59		
08 52 16 00-0624	EA 31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	709.08		62.39
	For Tempered Low-E Insulated Glass, Add	116.86		
08 52 16 00-0625	EA 35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	758.90		65.11
	For Tempered Low-E Insulated Glass, Add	125.74		
08 52 16 00-0626	EA 40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	810.47		69.18
	For Tempered Low-E Insulated Glass, Add	134.69		
08 52 16 00-0627	EA 48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	887.32		73.93
	For Tempered Low-E Insulated Glass, Add	147.89		
08 52 16 00-0628	EA 52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	937.53		77.32
	For Tempered Low-E Insulated Glass, Add	156.85		
08 52 16 00-0629	EA 59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,013.02		81.39
	For Tempered Low-E Insulated Glass, Add	170.05		
08 52 16 00-0630	EA 64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,037.23		85.45
	For Tempered Low-E Insulated Glass, Add	173.53		
08 52 16 00-0631	EA 71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,111.89		89.53
	For Tempered Low-E Insulated Glass, Add	186.57		
08 52 16 00-0632	EA 84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,728.15		99.02
	For Tempered Low-E Insulated Glass, Add	306.29		
08 52 16 00-0633	24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)			
08 52 16 00-0634	EA 24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	673.97		61.05
	For Tempered Low-E Insulated Glass, Add	110.65		
08 52 16 00-0635	EA 28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	717.12		63.75
	For Tempered Low-E Insulated Glass, Add	118.19		
08 52 16 00-0636	EA 31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	746.48		65.11
	For Tempered Low-E Insulated Glass, Add	123.25		
08 52 16 00-0637	EA 35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	797.33		67.82
	For Tempered Low-E Insulated Glass, Add	132.34		
08 52 16 00-0638	EA 40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	848.89		71.90
	For Tempered Low-E Insulated Glass, Add	141.29		
08 52 16 00-0639	EA 48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	928.10		76.64
	For Tempered Low-E Insulated Glass, Add	154.96		
08 52 16 00-0640	EA 52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	978.32		80.03
	For Tempered Low-E Insulated Glass, Add	163.92		
08 52 16 00-0641	EA 59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,053.81		84.10
	For Tempered Low-E Insulated Glass, Add	177.12		
08 52 16 00-0642	EA 64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,075.24		88.17
	For Tempered Low-E Insulated Glass, Add	180.05		
08 52 16 00-0643	EA 71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,147.49		92.24
	For Tempered Low-E Insulated Glass, Add	192.60		
08 52 16 00-0644	EA 84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,819.55		101.74
	For Tempered Low-E Insulated Glass, Add	323.49		
08 52 16 00-0645	28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)			
08 52 16 00-0646	EA 24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	672.34		63.75
	For Tempered Low-E Insulated Glass, Add	109.24		

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 52 16 00-0647	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	739.04	66.47	
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.49		
08 52 16 00-0648	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	781.90	67.82	
		<i>For Tempered Low-E Insulated Glass, Add</i>	129.25		
08 52 16 00-0649	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series).....	861.68	70.54	
		<i>For Tempered Low-E Insulated Glass, Add</i>	144.12		
08 52 16 00-0650	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	941.54	74.60	
		<i>For Tempered Low-E Insulated Glass, Add</i>	158.74		
08 52 16 00-0651	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,058.46	79.35	
		<i>For Tempered Low-E Insulated Glass, Add</i>	179.95		
08 52 16 00-0652	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,134.59	82.75	
		<i>For Tempered Low-E Insulated Glass, Add</i>	194.09		
08 52 16 00-0653	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,250.16	86.81	
		<i>For Tempered Low-E Insulated Glass, Add</i>	215.31		
08 52 16 00-0654	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,292.45	90.89	
		<i>For Tempered Low-E Insulated Glass, Add</i>	222.41		
08 52 16 00-0655	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,609.64	94.96	
		<i>For Tempered Low-E Insulated Glass, Add</i>	283.95		
08 52 16 00-0656	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,869.13	104.45	
		<i>For Tempered Low-E Insulated Glass, Add</i>	332.32		
08 52 16 00-0657 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)					
08 52 16 00-0658	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	781.90	67.82	
		<i>For Tempered Low-E Insulated Glass, Add</i>	129.25		
08 52 16 00-0659	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	827.94	69.86	
		<i>For Tempered Low-E Insulated Glass, Add</i>	137.65		
08 52 16 00-0660	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	891.35	72.57	
		<i>For Tempered Low-E Insulated Glass, Add</i>	149.24		
08 52 16 00-0661	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	962.10	75.96	
		<i>For Tempered Low-E Insulated Glass, Add</i>	162.04		
08 52 16 00-0662	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,064.91	81.39	
		<i>For Tempered Low-E Insulated Glass, Add</i>	180.43		
08 52 16 00-0663	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,136.31	84.10	
		<i>For Tempered Low-E Insulated Glass, Add</i>	193.62		
08 52 16 00-0664	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,237.77	89.53	
		<i>For Tempered Low-E Insulated Glass, Add</i>	212.01		
08 52 16 00-0665	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,308.52	92.24	
		<i>For Tempered Low-E Insulated Glass, Add</i>	224.81		
08 52 16 00-0666	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,411.98	96.99	
		<i>For Tempered Low-E Insulated Glass, Add</i>	243.60		
08 52 16 00-0667	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,994.76	105.81	
		<i>For Tempered Low-E Insulated Glass, Add</i>	356.63		
08 52 16 00-0668 35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)					
08 52 16 00-0669	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	891.35	72.57	
		<i>For Tempered Low-E Insulated Glass, Add</i>	149.24		
08 52 16 00-0670	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	981.96	75.29	
		<i>For Tempered Low-E Insulated Glass, Add</i>	166.28		
08 52 16 00-0671	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,061.81	78.68	
		<i>For Tempered Low-E Insulated Glass, Add</i>	180.89		
08 52 16 00-0672	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,178.74	84.10	
		<i>For Tempered Low-E Insulated Glass, Add</i>	202.11		
08 52 16 00-0673	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,257.23	86.81	
		<i>For Tempered Low-E Insulated Glass, Add</i>	216.72		
08 52 16 00-0674	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,370.45	92.24	
		<i>For Tempered Low-E Insulated Glass, Add</i>	237.46		
08 52 16 00-0675	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,192.57	94.96	
		<i>For Tempered Low-E Insulated Glass, Add</i>	200.53		
08 52 16 00-0676	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,281.19	99.71	
		<i>For Tempered Low-E Insulated Glass, Add</i>	216.36		
08 52 16 00-0677 40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)					
08 52 16 00-0678	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,040.89	78.68	
		<i>For Tempered Low-E Insulated Glass, Add</i>	178.06		
08 52 16 00-0679	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,185.81	84.10	
		<i>For Tempered Low-E Insulated Glass, Add</i>	203.52		
08 52 16 00-0680 48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)					
08 52 16 00-0681	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,249.45	84.10	
		<i>For Tempered Low-E Insulated Glass, Add</i>	216.25		
08 52 16 00-0682	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,385.88	88.17	
		<i>For Tempered Low-E Insulated Glass, Add</i>	242.18		
08 52 16 00-0683	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series).....	1,585.30	92.92	
		<i>For Tempered Low-E Insulated Glass, Add</i>	279.89		
08 52 16 00-0684 59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0685	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,551.45 273.66	91.56
08 52 16 00-0686	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,670.80 296.18	94.96
08 52 16 00-0687 71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0609)					
08 52 16 00-0688	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,699.15 302.93	92.24
08 52 16 00-0689	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,757.04 311.53	99.71
08 52 16 00-0690	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,946.97 348.16	103.09
08 52 16 00-0691	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	2,140.51 384.69	108.52
08 52 16 00-0692 Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0608)					
08 52 16 00-0693 17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)					
08 52 16 00-0694	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	525.40 82.83	55.62
08 52 16 00-0695	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	566.19 89.91	58.33
08 52 16 00-0696	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	593.05 94.47	60.36
08 52 16 00-0697	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	636.98 102.16	63.08
08 52 16 00-0698	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	683.82 110.18	66.47
08 52 16 00-0699	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	755.97 122.44	71.90
08 52 16 00-0700	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	799.11 129.98	74.60
08 52 16 00-0701	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	867.53 141.76	80.03
08 52 16 00-0702	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	914.38 149.78	82.75
08 52 16 00-0703	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	982.80 161.56	87.50
08 52 16 00-0704 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)					
08 52 16 00-0705	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	557.76 88.49	58.33
08 52 16 00-0706	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	598.54 95.56	61.05
08 52 16 00-0707	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	623.12 99.66	62.39
08 52 16 00-0708	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	671.68 108.29	65.11
08 52 16 00-0709	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	718.54 116.31	69.18
08 52 16 00-0710	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	788.32 128.09	73.93
08 52 16 00-0711	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	833.81 136.11	77.32
08 52 16 00-0712	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	899.88 147.42	81.39
08 52 16 00-0713	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	949.09 155.91	85.45
08 52 16 00-0714	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,015.16 167.22	89.53
08 52 16 00-0715 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)					
08 52 16 00-0716	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	593.82 94.62	61.05
08 52 16 00-0717	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	634.62 101.69	63.75
08 52 16 00-0718	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	656.52 105.26	65.11
08 52 16 00-0719	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	705.40 113.95	67.82
08 52 16 00-0720	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	752.25 121.96	71.90
08 52 16 00-0721	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	822.03 133.75	76.64
08 52 16 00-0722	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	867.53 141.76	80.03
08 52 16 00-0723	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	935.95 153.55	84.10

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 52 16 00-0724	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	982.80	88.17	
		<i>For Tempered Low-E Insulated Glass, Add</i>	161.56		
08 52 16 00-0725	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,051.23	92.24	
		<i>For Tempered Low-E Insulated Glass, Add</i>	173.35		
08 52 16 00-0726 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)					
08 52 16 00-0727	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	596.91	63.75	
		<i>For Tempered Low-E Insulated Glass, Add</i>	94.15		
08 52 16 00-0728	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	651.83	66.47	
		<i>For Tempered Low-E Insulated Glass, Add</i>	104.05		
08 52 16 00-0729	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	681.94	67.82	
		<i>For Tempered Low-E Insulated Glass, Add</i>	109.26		
08 52 16 00-0730	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	710.82	70.54	
		<i>For Tempered Low-E Insulated Glass, Add</i>	113.95		
08 52 16 00-0731	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	814.25	74.60	
		<i>For Tempered Low-E Insulated Glass, Add</i>	133.28		
08 52 16 00-0732	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	907.60	79.35	
		<i>For Tempered Low-E Insulated Glass, Add</i>	149.78		
08 52 16 00-0733	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	969.59	82.75	
		<i>For Tempered Low-E Insulated Glass, Add</i>	161.09		
08 52 16 00-0734	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,061.58	86.81	
		<i>For Tempered Low-E Insulated Glass, Add</i>	177.59		
08 52 16 00-0735	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,127.30	90.89	
		<i>For Tempered Low-E Insulated Glass, Add</i>	189.38		
08 52 16 00-0736	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,219.30	94.96	
		<i>For Tempered Low-E Insulated Glass, Add</i>	205.88		
08 52 16 00-0737 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)					
08 52 16 00-0738	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	681.94	67.82	
		<i>For Tempered Low-E Insulated Glass, Add</i>	109.26		
08 52 16 00-0739	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	719.99	69.86	
		<i>For Tempered Low-E Insulated Glass, Add</i>	116.06		
08 52 16 00-0740	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	771.40	72.57	
		<i>For Tempered Low-E Insulated Glass, Add</i>	125.25		
08 52 16 00-0741	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	830.16	75.96	
		<i>For Tempered Low-E Insulated Glass, Add</i>	135.65		
08 52 16 00-0742	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	914.97	81.39	
		<i>For Tempered Low-E Insulated Glass, Add</i>	150.44		
08 52 16 00-0743	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	972.38	84.10	
		<i>For Tempered Low-E Insulated Glass, Add</i>	160.84		
08 52 16 00-0744	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,055.85	89.53	
		<i>For Tempered Low-E Insulated Glass, Add</i>	175.63		
08 52 16 00-0745	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,112.61	92.24	
		<i>For Tempered Low-E Insulated Glass, Add</i>	185.63		
08 52 16 00-0746	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,196.07	96.99	
		<i>For Tempered Low-E Insulated Glass, Add</i>	200.42		
08 52 16 00-0747 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0692)					
08 52 16 00-0748	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	771.40	72.57	
		<i>For Tempered Low-E Insulated Glass, Add</i>	125.25		
08 52 16 00-0749	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	847.60	75.29	
		<i>For Tempered Low-E Insulated Glass, Add</i>	139.41		
08 52 16 00-0750	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	910.96	78.68	
		<i>For Tempered Low-E Insulated Glass, Add</i>	150.72		
08 52 16 00-0751	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,006.66	84.10	
		<i>For Tempered Low-E Insulated Glass, Add</i>	167.69		
08 52 16 00-0752	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,068.66	86.81	
		<i>For Tempered Low-E Insulated Glass, Add</i>	179.01		
08 52 16 00-0753	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,160.67	92.24	
		<i>For Tempered Low-E Insulated Glass, Add</i>	195.51		
08 52 16 00-0754	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,224.02	94.96	
		<i>For Tempered Low-E Insulated Glass, Add</i>	206.82		
08 52 16 00-0755	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,316.01	99.71	
		<i>For Tempered Low-E Insulated Glass, Add</i>	223.32		
08 52 16 00-0756 Horizontal Sliding Wood Clad Windows (08 52 16)					
Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes					
08 52 16 00-0757 One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0756)					
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.					
08 52 16 00-0758 17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)					
08 52 16 00-0759	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	626.51	71.90	
		<i>For Tempered Clear Insulated Glass, Add</i>	96.82		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0760			23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0761	EA		35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	576.48	66.47
			<i>For Tempered Clear Insulated Glass, Add</i>	88.44	
08 52 16 00-0762	EA		47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	674.22	75.96
			<i>For Tempered Clear Insulated Glass, Add</i>	104.73	
08 52 16 00-0763			35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0764	EA		35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	674.22	75.96
			<i>For Tempered Clear Insulated Glass, Add</i>	104.73	
08 52 16 00-0765	EA		47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	771.95	84.10
			<i>For Tempered Clear Insulated Glass, Add</i>	121.02	
08 52 16 00-0766	EA		59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	869.69	91.56
			<i>For Tempered Clear Insulated Glass, Add</i>	137.31	
08 52 16 00-0767	EA		71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	967.42	99.71
			<i>For Tempered Clear Insulated Glass, Add</i>	153.60	
08 52 16 00-0768			41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0769	EA		35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	724.25	80.03
			<i>For Tempered Clear Insulated Glass, Add</i>	113.11	
08 52 16 00-0770	EA		47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	819.65	88.17
			<i>For Tempered Clear Insulated Glass, Add</i>	128.93	
08 52 16 00-0771	EA		59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	917.39	95.63
			<i>For Tempered Clear Insulated Glass, Add</i>	145.23	
08 52 16 00-0772	EA		71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,096.58	103.77
			<i>For Tempered Clear Insulated Glass, Add</i>	177.81	
08 52 16 00-0773			47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0774	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	771.95	84.10
			<i>For Tempered Clear Insulated Glass, Add</i>	121.02	
08 52 16 00-0775	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	869.69	92.24
			<i>For Tempered Clear Insulated Glass, Add</i>	137.31	
08 52 16 00-0776	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	967.42	99.71
			<i>For Tempered Clear Insulated Glass, Add</i>	153.60	
08 52 16 00-0777	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,065.15	107.84
			<i>For Tempered Clear Insulated Glass, Add</i>	169.89	
08 52 16 00-0778			53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0779	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	917.39	96.31
			<i>For Tempered Clear Insulated Glass, Add</i>	145.23	
08 52 16 00-0780	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,015.12	103.77
			<i>For Tempered Clear Insulated Glass, Add</i>	161.52	
08 52 16 00-0781	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,112.86	111.90
			<i>For Tempered Clear Insulated Glass, Add</i>	177.81	
08 52 16 00-0782			59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)		
08 52 16 00-0783	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	967.42	100.38
			<i>For Tempered Clear Insulated Glass, Add</i>	153.60	
08 52 16 00-0784	EA		59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,065.15	107.84
			<i>For Tempered Clear Insulated Glass, Add</i>	169.89	
08 52 16 00-0785	EA		71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	1,163.06	115.98
			<i>For Tempered Clear Insulated Glass, Add</i>	186.22	
08 52 16 00-0786			Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0756)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787			22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0788	EA		35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,393.13	66.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	251.77	
08 52 16 00-0789	EA		47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,658.44	75.96
			<i>For Tempered Low-E Insulated Glass, Add</i>	301.57	
08 52 16 00-0790			35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)		
08 52 16 00-0791	EA		35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,679.38	75.96
			<i>For Tempered Low-E Insulated Glass, Add</i>	305.76	
08 52 16 00-0792	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,947.01	84.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	356.03	

08 Openings**08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 52 16 00-0793	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,212.32	91.56	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>405.84</i>		
08 52 16 00-0794	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,477.61	99.71	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>455.64</i>		
08 52 16 00-0795 41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)					
08 52 16 00-0796	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,813.20	80.03	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>330.90</i>		
08 52 16 00-0797	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,078.49	88.17	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>380.70</i>		
08 52 16 00-0798	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,346.12	95.63	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>430.97</i>		
08 52 16 00-0799	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,611.43	103.77	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>480.78</i>		
08 52 16 00-0800 47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)					
08 52 16 00-0801	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,947.01	84.10	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>356.03</i>		
08 52 16 00-0802	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,212.32	92.24	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>405.84</i>		
08 52 16 00-0803	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,477.61	99.71	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>455.64</i>		
08 52 16 00-0804	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,745.24	107.84	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>505.91</i>		
08 52 16 00-0805 59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)					
08 52 16 00-0806	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,212.32	92.24	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>405.84</i>		
08 52 16 00-0807	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,477.61	100.38	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>455.64</i>		
08 52 16 00-0808	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	2,745.24	107.84	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>505.91</i>		
08 52 16 00-0809	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	3,010.54	115.98	
		<i>For Tempered Low-E Insulated Glass, Add</i>	<i>555.72</i>		
08 52 16 00-0810 Picture Wood Clad Windows (08 52 16)					
Note: Picture windows are fixed windows.					
08 52 16 00-0811 Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)					
08 52 16 00-0812 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)					
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.					
08 52 16 00-0813 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)					
08 52 16 00-0814	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	492.56	54.26	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>76.81</i>		
08 52 16 00-0815	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	576.15	59.69	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>91.36</i>		
08 52 16 00-0816	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	612.03	62.39	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>97.45</i>		
08 52 16 00-0817	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	663.82	67.82	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>105.91</i>		
08 52 16 00-0818	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	699.36	70.54	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>111.66</i>		
08 52 16 00-0819	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	751.15	75.96	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>120.12</i>		
08 52 16 00-0820 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)					
08 52 16 00-0821	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	547.25	66.47	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>82.86</i>		
08 52 16 00-0822	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	632.31	70.54	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>98.52</i>		
08 52 16 00-0823	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	757.73	75.29	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>121.43</i>		
08 52 16 00-0824	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	839.52	78.00	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>136.71</i>		
08 52 16 00-0825	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	961.67	82.75	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>159.24</i>		
08 52 16 00-0826	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,046.74	86.14	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>174.89</i>		
08 52 16 00-0827	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,550.74	90.89	
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>273.79</i>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0828			40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0829	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	632.31	70.54
			<i>For Tempered Clear Insulated Glass, Add</i>	98.52	
08 52 16 00-0830	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	717.38	73.25
			<i>For Tempered Clear Insulated Glass, Add</i>	114.18	
08 52 16 00-0831	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	842.79	78.68
			<i>For Tempered Clear Insulated Glass, Add</i>	137.09	
08 52 16 00-0832	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	924.58	81.39
			<i>For Tempered Clear Insulated Glass, Add</i>	152.36	
08 52 16 00-0833	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,046.74	86.81
			<i>For Tempered Clear Insulated Glass, Add</i>	174.89	
08 52 16 00-0834	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,131.79	89.53
			<i>For Tempered Clear Insulated Glass, Add</i>	190.55	
08 52 16 00-0835	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,253.94	94.96
			<i>For Tempered Clear Insulated Glass, Add</i>	213.08	
08 52 16 00-0836			48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0837	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	757.73	75.96
			<i>For Tempered Clear Insulated Glass, Add</i>	121.43	
08 52 16 00-0838	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	842.79	78.68
			<i>For Tempered Clear Insulated Glass, Add</i>	137.09	
08 52 16 00-0839	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	968.20	84.10
			<i>For Tempered Clear Insulated Glass, Add</i>	160.00	
08 52 16 00-0840	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,049.99	86.81
			<i>For Tempered Clear Insulated Glass, Add</i>	175.27	
08 52 16 00-0841	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,172.15	92.24
			<i>For Tempered Clear Insulated Glass, Add</i>	197.80	
08 52 16 00-0842	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,257.21	94.96
			<i>For Tempered Clear Insulated Glass, Add</i>	213.46	
08 52 16 00-0843	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,379.35	100.38
			<i>For Tempered Clear Insulated Glass, Add</i>	235.99	
08 52 16 00-0844			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0845	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	839.52	78.68
			<i>For Tempered Clear Insulated Glass, Add</i>	136.71	
08 52 16 00-0846	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	924.58	81.39
			<i>For Tempered Clear Insulated Glass, Add</i>	152.36	
08 52 16 00-0847	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,049.99	86.81
			<i>For Tempered Clear Insulated Glass, Add</i>	175.27	
08 52 16 00-0848	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,131.79	89.53
			<i>For Tempered Clear Insulated Glass, Add</i>	190.55	
08 52 16 00-0849	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,253.94	94.96
			<i>For Tempered Clear Insulated Glass, Add</i>	213.08	
08 52 16 00-0850	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,339.01	97.66
			<i>For Tempered Clear Insulated Glass, Add</i>	228.73	
08 52 16 00-0851	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,573.80	103.09
			<i>For Tempered Clear Insulated Glass, Add</i>	273.79	
08 52 16 00-0852			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0853	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	961.67	82.75
			<i>For Tempered Clear Insulated Glass, Add</i>	159.24	
08 52 16 00-0854	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,046.74	86.81
			<i>For Tempered Clear Insulated Glass, Add</i>	174.89	
08 52 16 00-0855	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,172.15	91.56
			<i>For Tempered Clear Insulated Glass, Add</i>	197.80	
08 52 16 00-0856	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,253.94	94.27
			<i>For Tempered Clear Insulated Glass, Add</i>	213.08	
08 52 16 00-0857	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,376.08	99.02
			<i>For Tempered Clear Insulated Glass, Add</i>	235.61	
08 52 16 00-0858	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,461.15	102.41
			<i>For Tempered Clear Insulated Glass, Add</i>	251.26	
08 52 16 00-0859	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,583.29	107.16
			<i>For Tempered Clear Insulated Glass, Add</i>	273.79	
08 52 16 00-0860			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)		
08 52 16 00-0861	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,046.74	86.81
			<i>For Tempered Clear Insulated Glass, Add</i>	174.89	
08 52 16 00-0862	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,131.79	89.53
			<i>For Tempered Clear Insulated Glass, Add</i>	190.55	
08 52 16 00-0863	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,257.21	94.96
			<i>For Tempered Clear Insulated Glass, Add</i>	213.46	
08 52 16 00-0864	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,339.01	97.66
			<i>For Tempered Clear Insulated Glass, Add</i>	228.73	
08 52 16 00-0865	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,573.80	103.09
			<i>For Tempered Clear Insulated Glass, Add</i>	273.79	

08 Openings**08 50 Windows****08 52 Wood Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 52 16 00-0866	71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)			
08 52 16 00-0867	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,168.88	90.89
		For Tempered Clear Insulated Glass, Add	197.42	
08 52 16 00-0868	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,253.94	94.96
		For Tempered Clear Insulated Glass, Add	213.08	
08 52 16 00-0869	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,379.35	99.71
		For Tempered Clear Insulated Glass, Add	235.99	
08 52 16 00-0870	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,461.15	102.41
		For Tempered Clear Insulated Glass, Add	251.26	
08 52 16 00-0871	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,583.29	107.16
		For Tempered Clear Insulated Glass, Add	273.79	
08 52 16 00-0872	Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0811)			
	Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.			
08 52 16 00-0873	12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)			
08 52 16 00-0874	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	582.64	54.26
		For Tempered Low-E Insulated Glass, Add	94.82	
08 52 16 00-0875	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	683.30	59.69
		For Tempered Low-E Insulated Glass, Add	112.79	
08 52 16 00-0876	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	726.32	62.39
		For Tempered Low-E Insulated Glass, Add	120.30	
08 52 16 00-0877	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	788.03	67.82
		For Tempered Low-E Insulated Glass, Add	130.75	
08 52 16 00-0878	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	830.32	70.54
		For Tempered Low-E Insulated Glass, Add	137.85	
08 52 16 00-0879	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	892.03	75.96
		For Tempered Low-E Insulated Glass, Add	148.29	
08 52 16 00-0880	35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)			
08 52 16 00-0881	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	644.43	66.47
		For Tempered Low-E Insulated Glass, Add	102.30	
08 52 16 00-0882	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	747.86	70.54
		For Tempered Low-E Insulated Glass, Add	121.63	
08 52 16 00-0883	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	900.15	75.29
		For Tempered Low-E Insulated Glass, Add	149.92	
08 52 16 00-0884	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	999.85	78.00
		For Tempered Low-E Insulated Glass, Add	168.77	
08 52 16 00-0885	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,148.43	82.75
		For Tempered Low-E Insulated Glass, Add	196.59	
08 52 16 00-0886	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,251.86	86.14
		For Tempered Low-E Insulated Glass, Add	215.92	
08 52 16 00-0887	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,871.86	90.89
		For Tempered Low-E Insulated Glass, Add	338.02	
08 52 16 00-0888	40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)			
08 52 16 00-0889	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	747.86	70.54
		For Tempered Low-E Insulated Glass, Add	121.63	
08 52 16 00-0890	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	851.29	73.25
		For Tempered Low-E Insulated Glass, Add	140.96	
08 52 16 00-0891	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,003.57	78.68
		For Tempered Low-E Insulated Glass, Add	169.24	
08 52 16 00-0892	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,103.28	81.39
		For Tempered Low-E Insulated Glass, Add	188.10	
08 52 16 00-0893	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,251.86	86.81
		For Tempered Low-E Insulated Glass, Add	215.92	
08 52 16 00-0894	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,355.27	89.53
		For Tempered Low-E Insulated Glass, Add	235.24	
08 52 16 00-0895	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,503.85	94.96
		For Tempered Low-E Insulated Glass, Add	263.06	
08 52 16 00-0896	48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)			
08 52 16 00-0897	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	900.15	75.96
		For Tempered Low-E Insulated Glass, Add	149.92	
08 52 16 00-0898	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,003.57	78.68
		For Tempered Low-E Insulated Glass, Add	169.24	
08 52 16 00-0899	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,155.85	84.10
		For Tempered Low-E Insulated Glass, Add	197.53	
08 52 16 00-0900	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,255.56	86.81
		For Tempered Low-E Insulated Glass, Add	216.39	
08 52 16 00-0901	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,404.14	92.24
		For Tempered Low-E Insulated Glass, Add	244.20	
08 52 16 00-0902	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,507.56	94.96
		For Tempered Low-E Insulated Glass, Add	263.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0903	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,656.13 291.35	100.38
08 52 16 00-0904			52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0905	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	999.85 168.77	78.68
08 52 16 00-0906	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,103.28 188.10	81.39
08 52 16 00-0907	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,255.56 216.39	86.81
08 52 16 00-0908	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,355.27 235.24	89.53
08 52 16 00-0909	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,503.85 263.06	94.96
08 52 16 00-0910	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,607.28 282.39	97.66
08 52 16 00-0911	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,894.92 338.02	103.09
08 52 16 00-0912			59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0913	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,148.43 196.59	82.75
08 52 16 00-0914	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,251.86 215.92	86.81
08 52 16 00-0915	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,404.14 244.20	91.56
08 52 16 00-0916	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,503.85 263.06	94.27
08 52 16 00-0917	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,652.41 290.87	99.02
08 52 16 00-0918	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,755.84 310.20	102.41
08 52 16 00-0919	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,904.41 338.02	107.16
08 52 16 00-0920			64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0921	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,251.86 215.92	86.81
08 52 16 00-0922	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,355.27 235.24	89.53
08 52 16 00-0923	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,507.56 263.53	94.96
08 52 16 00-0924	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,607.28 282.39	97.66
08 52 16 00-0925	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,894.92 338.02	103.09
08 52 16 00-0926			71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) (08 52 16 00-0872)		
08 52 16 00-0927	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,400.42 243.73	90.89
08 52 16 00-0928	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,503.85 263.06	94.96
08 52 16 00-0929	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,656.13 291.35	99.71
08 52 16 00-0930	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,755.84 310.20	102.41
08 52 16 00-0931	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,904.41 338.02	107.16
08 52 16 00-0932			Picture Wood Clad Windows For Double Hung Windows (08 52 16 00-0810)		
08 52 16 00-0933			Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0932) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0934			35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		
08 52 16 00-0935	EA		56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	702.16 106.52	84.78
08 52 16 00-0936	EA		59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	720.84 109.44	86.81
08 52 16 00-0937			47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)		

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0938	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)				720.84	86.81
		For Tempered Clear Insulated Glass, Add				109.44	
08 52 16 00-0939	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)				874.55	103.09
		For Tempered Clear Insulated Glass, Add				133.67	
08 52 16 00-0940		53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)					
08 52 16 00-0941	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)				818.48	96.99
		For Tempered Clear Insulated Glass, Add				124.90	
08 52 16 00-0942	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)				837.16	99.02
		For Tempered Clear Insulated Glass, Add				127.82	
08 52 16 00-0943		56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)					
08 52 16 00-0944	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)				702.16	85.45
		For Tempered Clear Insulated Glass, Add				106.52	
08 52 16 00-0945	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)				818.48	96.99
		For Tempered Clear Insulated Glass, Add				124.90	
08 52 16 00-0946		59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)					
08 52 16 00-0947	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)				720.84	86.81
		For Tempered Clear Insulated Glass, Add				109.44	
08 52 16 00-0948	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)				837.16	99.02
		For Tempered Clear Insulated Glass, Add				127.82	
08 52 16 00-0949	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)				874.55	103.09
		For Tempered Clear Insulated Glass, Add				133.67	
08 52 16 00-0950	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)				914.01	107.16
		For Tempered Clear Insulated Glass, Add				139.94	
08 52 16 00-0951		65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)					
08 52 16 00-0952	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)				914.01	107.16
		For Tempered Clear Insulated Glass, Add				139.94	
08 52 16 00-0953		71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-0933)					
08 52 16 00-0954	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)				874.55	103.09
		For Tempered Clear Insulated Glass, Add				133.67	
08 52 16 00-0955		Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0932)					
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.					
08 52 16 00-0956		48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)					
08 52 16 00-0957	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				781.25	63.75
		For Tempered Low-E Insulated Glass, Add				130.75	
08 52 16 00-0958	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				1,090.86	81.39
		For Tempered Low-E Insulated Glass, Add				185.89	
08 52 16 00-0959	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				1,138.06	83.42
		For Tempered Low-E Insulated Glass, Add				194.24	
08 52 16 00-0960	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				1,208.85	87.50
		For Tempered Low-E Insulated Glass, Add				206.77	
08 52 16 00-0961	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				1,256.05	90.89
		For Tempered Low-E Insulated Glass, Add				215.13	
08 52 16 00-0962	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				1,352.54	95.63
		For Tempered Low-E Insulated Glass, Add				232.26	
08 52 16 00-0963	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				1,449.03	101.74
		For Tempered Low-E Insulated Glass, Add				249.38	
08 52 16 00-0964		52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)					
08 52 16 00-0965	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				830.53	66.47
		For Tempered Low-E Insulated Glass, Add				139.52	
08 52 16 00-0966	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				1,138.06	84.10
		For Tempered Low-E Insulated Glass, Add				194.24	
08 52 16 00-0967	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				1,187.35	86.14
		For Tempered Low-E Insulated Glass, Add				203.01	
08 52 16 00-0968	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				1,256.05	90.20
		For Tempered Low-E Insulated Glass, Add				215.13	
08 52 16 00-0969	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				1,305.33	93.60
		For Tempered Low-E Insulated Glass, Add				223.90	
08 52 16 00-0970	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)				1,401.82	98.35
		For Tempered Low-E Insulated Glass, Add				241.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0971	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,498.31 258.15	104.45
08 52 16 00-0972 56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)					
08 52 16 00-0973	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	877.73 147.87	69.18
08 52 16 00-0974	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,187.35 203.01	86.81
08 52 16 00-0975	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,234.54 211.37	88.85
08 52 16 00-0976	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,305.33 223.90	92.92
08 52 16 00-0977	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,352.54 232.26	96.31
08 52 16 00-0978	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,449.03 249.38	101.05
08 52 16 00-0979	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,547.60 266.93	107.16
08 52 16 00-0980 60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)					
08 52 16 00-0981	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	927.02 156.65	71.90
08 52 16 00-0982	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,234.54 211.37	89.53
08 52 16 00-0983	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,283.84 220.14	91.56
08 52 16 00-0984	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,352.54 232.26	95.63
08 52 16 00-0985	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,401.82 241.03	99.02
08 52 16 00-0986	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,498.31 258.15	103.77
08 52 16 00-0987	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,594.79 275.28	109.87
08 52 16 00-0988 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)					
08 52 16 00-0989	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	974.23 165.00	74.60
08 52 16 00-0990	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,283.84 220.14	92.24
08 52 16 00-0991	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,333.12 228.91	94.27
08 52 16 00-0992	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,401.82 241.03	98.35
08 52 16 00-0993	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,449.03 249.38	101.74
08 52 16 00-0994	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,547.60 266.93	106.48
08 52 16 00-0995	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,644.08 284.05	112.59
08 52 16 00-0996 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)					
08 52 16 00-0997	EA		12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,023.51 173.77	77.32
08 52 16 00-0998	EA		37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,333.12 228.91	94.96
08 52 16 00-0999	EA		41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,380.32 237.27	96.99
08 52 16 00-1000	EA		47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,449.03 249.38	101.05
08 52 16 00-1001	EA		51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,498.31 258.15	104.45
08 52 16 00-1002	EA		59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,594.79 275.28	109.20
08 52 16 00-1003	EA		67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,691.28 292.41	115.30
08 52 16 00-1004 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0955)					
08 52 16 00-1005	EA		12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,070.71 182.13	80.03
08 52 16 00-1006	EA		37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,380.32 237.27	97.66
08 52 16 00-1007	EA		41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,429.60 246.04	99.71
08 52 16 00-1008	EA		47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) For Tempered Low-E Insulated Glass, Add	1,498.31 258.15	103.77

08	08	Openings
	08 50	Windows
	08 52	Wood Windows



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1009	EA	51-5/16"	x 72-7/8"		Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,547.60 266.93	107.16
08 52 16 00-1010	EA	59-5/16"	x 72-7/8"		Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,644.08 284.05	111.90
08 52 16 00-1011	EA	67-5/16"	x 72-7/8"		Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,740.57 301.18	118.01
08 52 16 00-1012		76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-0959)					
08 52 16 00-1013	EA	12"	x 76-7/8"		Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,119.99 190.90	82.75
08 52 16 00-1014	EA	37-5/8"	x 76-7/8"		Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,429.60 246.04	100.38
08 52 16 00-1015	EA	41-5/8"	x 76-7/8"		Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,476.80 254.39	102.41
08 52 16 00-1016	EA	47-5/16"	x 76-7/8"		Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,547.60 266.93	106.48
08 52 16 00-1017	EA	51-5/16"	x 76-7/8"		Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,594.79 275.28	109.87
08 52 16 00-1018	EA	59-5/16"	x 76-7/8"		Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,691.28 292.41	114.62
08 52 16 00-1019	EA	67-5/16"	x 76-7/8"		Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) <i>For Tempered Low-E Insulated Glass, Add</i>	1,787.77 309.53	120.72
08 52 16 00-1020		Picture Wood Clad Windows For Horizontal Sliding Windows (08 52 16 00-0810)					
08 52 16 00-1021		Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1020) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.					
08 52 16 00-1022		35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)					
08 52 16 00-1023	EA	56-1/2"	x 35-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	702.16 106.52	84.78
08 52 16 00-1024	EA	59-1/2"	x 35-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	720.84 109.44	86.81
08 52 16 00-1025		47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)					
08 52 16 00-1026	EA	47-1/2"	x 47-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	720.84 109.44	86.81
08 52 16 00-1027	EA	71-1/2"	x 47-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	874.55 133.67	103.09
08 52 16 00-1028		53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)					
08 52 16 00-1029	EA	56-1/2"	x 53-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	818.48 124.90	96.99
08 52 16 00-1030	EA	59-1/2"	x 53-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	837.16 127.82	99.02
08 52 16 00-1031		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)					
08 52 16 00-1032	EA	35-1/2"	x 56-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	702.16 106.52	85.45
08 52 16 00-1033	EA	53-1/2"	x 56-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	818.48 124.90	96.99
08 52 16 00-1034		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)					
08 52 16 00-1035	EA	35-1/2"	x 59-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	720.84 109.44	86.81
08 52 16 00-1036	EA	53-1/2"	x 59-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	837.16 127.82	99.02
08 52 16 00-1037	EA	59-1/2"	x 59-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	874.55 133.67	103.09
08 52 16 00-1038	EA	65-1/2"	x 59-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	914.01 139.94	107.16
08 52 16 00-1039		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)					
08 52 16 00-1040	EA	59-1/2"	x 65-1/2"		Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	914.01 139.94	107.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 52 16 00-1041			71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1021)		
08 52 16 00-1042	EA		47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) <i>For Tempered Clear Insulated Glass, Add</i>	874.55 133.67	103.09
08 52 16 00-1043			Basement Wood Clad Windows (08 52 16) Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1044			Basement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-1043) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045	EA		32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series).....	372.28	54.26
08 52 16 00-1046	EA		32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series).....	392.10	54.26
08 52 16 00-1047	EA		32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series).....	409.52	54.26
08 52 16 00-1048			Factory Installed Grilles For Wood Clad Windows (08 52 16)		
08 52 16 00-1049			Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1050	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	51.54	
08 52 16 00-1051	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	75.95	
08 52 16 00-1052	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	103.08	
08 52 16 00-1053	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	130.20	
08 52 16 00-1054	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	184.45	
08 52 16 00-1055			Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1056	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	82.46	
08 52 16 00-1057	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	121.52	
08 52 16 00-1058	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	164.92	
08 52 16 00-1059	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	208.32	
08 52 16 00-1060	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	295.12	
08 52 16 00-1061			Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1062	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	98.95	
08 52 16 00-1063	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	145.82	
08 52 16 00-1064	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	197.90	
08 52 16 00-1065	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	249.98	
08 52 16 00-1066	EA		>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	354.14	
08 52 16 00-1067			Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1048)		
08 52 16 00-1068	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	118.75	
08 52 16 00-1069	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	174.98	
08 52 16 00-1070	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	237.48	
08 52 16 00-1071	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	299.98	
08 52 16 00-1072	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	424.97	
08 52 66			Wood Window Screens (08 52)		
08 52 66 00-0001			Insect Screens For Wood Clad Windows (08 52 66)		
08 52 66 00-0002	EA		Up To 6 SF, Insect Screen For Wood Clad Windows	47.67	9.24
08 52 66 00-0003	EA		>6 To 9 SF, Insect Screen For Wood Clad Windows	56.01	9.24
08 52 66 00-0004	EA		>9 To 12 SF, Insect Screen For Wood Clad Windows	60.18	9.24
08 52 66 00-0005	EA		>12 To 15 SF, Insect Screen For Wood Clad Windows.....	68.52	9.24
08 52 66 00-0006	EA		>15 To 20 SF, Insect Screen For Wood Clad Windows.....	85.20	9.24
08 52 66 00-0007	EA		>20 To 25 SF, Insect Screen For Wood Clad Windows.....	93.54	9.24
08 52 66 00-0008	EA		>25 To 30 SF, Insect Screen For Wood Clad Windows.....	101.89	9.24
08 52 66 00-0009	EA		>30 To 35 SF, Insect Screen For Wood Clad Windows.....	110.23	9.24
08 52 66 00-0010	SF		>35 SF, Insect Screen For Wood Clad Windows.....	3.32	0.18

08 53 Plastic Windows (08 50)

08 Openings**08 50 Windows****08 53 Plastic Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 53 13 Vinyl Windows (08 53)

08 53 13 00-0001 Single Hung Vinyl Windows (08 53 13)

08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0001)

 Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.
 Excludes grilles.

08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0004	EA 24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	448.19	62.39
	For Colored Vinyl, Add	32.34	
	For Tinted Glass, Add	38.81	
	For Low-E Insulated Glass, Add	80.85	
	For Obscure Glass, Add	88.93	
08 53 13 00-0005	EA 28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	471.63	65.11
	For Colored Vinyl, Add	34.14	
	For Tinted Glass, Add	40.97	
	For Low-E Insulated Glass, Add	85.35	
	For Obscure Glass, Add	93.89	
08 53 13 00-0006	EA 30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	481.30	66.47
	For Colored Vinyl, Add	34.84	
	For Tinted Glass, Add	41.80	
	For Low-E Insulated Glass, Add	87.09	
	For Obscure Glass, Add	95.80	
08 53 13 00-0007	EA 32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	491.89	67.82
	For Colored Vinyl, Add	35.62	
	For Tinted Glass, Add	42.75	
	For Low-E Insulated Glass, Add	89.06	
	For Obscure Glass, Add	97.97	
08 53 13 00-0008	EA 36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	519.34	70.54
	For Colored Vinyl, Add	37.83	
	For Tinted Glass, Add	45.39	
	For Low-E Insulated Glass, Add	94.57	
	For Obscure Glass, Add	104.02	
08 53 13 00-0009	EA 44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	563.50	75.96
	For Colored Vinyl, Add	41.16	
	For Tinted Glass, Add	49.39	
	For Low-E Insulated Glass, Add	102.90	
	For Obscure Glass, Add	113.18	

08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0011	EA 24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	457.24	63.75
	For Colored Vinyl, Add	32.97	
	For Tinted Glass, Add	39.57	
	For Low-E Insulated Glass, Add	82.43	
	For Obscure Glass, Add	90.68	
08 53 13 00-0012	EA 28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	480.69	65.11
	For Colored Vinyl, Add	34.78	
	For Tinted Glass, Add	41.73	
	For Low-E Insulated Glass, Add	86.94	
	For Obscure Glass, Add	95.63	
08 53 13 00-0013	EA 30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	490.36	67.82
	For Colored Vinyl, Add	35.47	
	For Tinted Glass, Add	42.57	
	For Low-E Insulated Glass, Add	88.68	
	For Obscure Glass, Add	97.55	
08 53 13 00-0014	EA 32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	500.94	69.18
	For Colored Vinyl, Add	36.26	
	For Tinted Glass, Add	43.51	
	For Low-E Insulated Glass, Add	90.65	
	For Obscure Glass, Add	99.71	
08 53 13 00-0015	EA 36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	528.41	71.90
	For Colored Vinyl, Add	38.46	
	For Tinted Glass, Add	46.15	
	For Low-E Insulated Glass, Add	96.16	
	For Obscure Glass, Add	105.77	
08 53 13 00-0016	EA 44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	572.57	77.32
	For Colored Vinyl, Add	41.79	
	For Tinted Glass, Add	50.15	
	For Low-E Insulated Glass, Add	104.48	
	For Obscure Glass, Add	114.93	

08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)

08 53 13 00-0018	EA 24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	465.99	65.11
	For Colored Vinyl, Add	33.58	
	For Tinted Glass, Add	40.29	
	For Low-E Insulated Glass, Add	83.94	
	For Obscure Glass, Add	92.34	
08 53 13 00-0019	EA 28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	489.45	67.82
	For Colored Vinyl, Add	35.38	
	For Tinted Glass, Add	42.46	
	For Low-E Insulated Glass, Add	88.45	
	For Obscure Glass, Add	97.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0020	EA	30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	499.52	69.18
		For Colored Vinyl, Add	.....	36.12	
		For Tinted Glass, Add	.....	43.34	
		For Low-E Insulated Glass, Add	.....	90.29	
		For Obscure Glass, Add	.....	99.32	
08 53 13 00-0021	EA	32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	510.10	70.54
		For Colored Vinyl, Add	.....	36.90	
		For Tinted Glass, Add	.....	44.28	
		For Low-E Insulated Glass, Add	.....	92.26	
		For Obscure Glass, Add	.....	101.48	
08 53 13 00-0022	EA	36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	538.03	73.25
		For Colored Vinyl, Add	.....	39.15	
		For Tinted Glass, Add	.....	46.98	
		For Low-E Insulated Glass, Add	.....	97.88	
		For Obscure Glass, Add	.....	107.67	
08 53 13 00-0023	EA	44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	582.79	78.68
		For Colored Vinyl, Add	.....	42.54	
		For Tinted Glass, Add	.....	51.05	
		For Low-E Insulated Glass, Add	.....	106.36	
		For Obscure Glass, Add	.....	117.00	
08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)					
08 53 13 00-0025	EA	24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	492.82	69.18
		For Colored Vinyl, Add	.....	35.45	
		For Tinted Glass, Add	.....	42.54	
		For Low-E Insulated Glass, Add	.....	88.62	
		For Obscure Glass, Add	.....	97.48	
08 53 13 00-0026	EA	28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	516.27	71.90
		For Colored Vinyl, Add	.....	37.25	
		For Tinted Glass, Add	.....	44.70	
		For Low-E Insulated Glass, Add	.....	93.12	
		For Obscure Glass, Add	.....	102.43	
08 53 13 00-0027	EA	30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	527.67	73.25
		For Colored Vinyl, Add	.....	38.12	
		For Tinted Glass, Add	.....	45.74	
		For Low-E Insulated Glass, Add	.....	95.29	
		For Obscure Glass, Add	.....	104.82	
08 53 13 00-0028	EA	32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	538.26	74.60
		For Colored Vinyl, Add	.....	38.90	
		For Tinted Glass, Add	.....	46.68	
		For Low-E Insulated Glass, Add	.....	97.26	
		For Obscure Glass, Add	.....	106.99	
08 53 13 00-0029	EA	36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	567.49	77.32
		For Colored Vinyl, Add	.....	41.29	
		For Tinted Glass, Add	.....	49.54	
		For Low-E Insulated Glass, Add	.....	103.21	
		For Obscure Glass, Add	.....	113.53	
08 53 13 00-0030	EA	44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	613.93	82.75
		For Colored Vinyl, Add	.....	44.84	
		For Tinted Glass, Add	.....	53.81	
		For Low-E Insulated Glass, Add	.....	112.11	
		For Obscure Glass, Add	.....	123.32	
08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)					
08 53 13 00-0032	EA	24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	501.88	70.54
		For Colored Vinyl, Add	.....	36.08	
		For Tinted Glass, Add	.....	43.30	
		For Low-E Insulated Glass, Add	.....	90.20	
		For Obscure Glass, Add	.....	99.22	
08 53 13 00-0033	EA	28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	525.33	73.25
		For Colored Vinyl, Add	.....	37.88	
		For Tinted Glass, Add	.....	45.46	
		For Low-E Insulated Glass, Add	.....	94.71	
		For Obscure Glass, Add	.....	104.18	
08 53 13 00-0034	EA	30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	537.14	74.60
		For Colored Vinyl, Add	.....	38.79	
		For Tinted Glass, Add	.....	46.55	
		For Low-E Insulated Glass, Add	.....	96.98	
		For Obscure Glass, Add	.....	106.68	
08 53 13 00-0035	EA	32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	547.71	75.96
		For Colored Vinyl, Add	.....	39.58	
		For Tinted Glass, Add	.....	47.49	
		For Low-E Insulated Glass, Add	.....	98.95	
		For Obscure Glass, Add	.....	108.84	
08 53 13 00-0036	EA	36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	577.36	78.68
		For Colored Vinyl, Add	.....	42.00	
		For Tinted Glass, Add	.....	50.40	
		For Low-E Insulated Glass, Add	.....	105.00	
		For Obscure Glass, Add	.....	115.50	
08 53 13 00-0037	EA	44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	.....	624.41	84.10
		For Colored Vinyl, Add	.....	45.62	
		For Tinted Glass, Add	.....	54.75	
		For Low-E Insulated Glass, Add	.....	114.05	
		For Obscure Glass, Add	.....	125.46	

08 Openings**08 50 Windows****08 53 Plastic Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)
(08 53 13 00-0002)

08 53 13 00-0039	EA 24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	511.04	71.90
	For Colored Vinyl, Add	36.73	
	For Tinted Glass, Add	44.07	
	For Low-E Insulated Glass, Add	91.81	
	For Obscure Glass, Add	100.99	
08 53 13 00-0040	EA 28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	534.50	74.60
	For Colored Vinyl, Add	38.53	
	For Tinted Glass, Add	46.23	
	For Low-E Insulated Glass, Add	96.32	
	For Obscure Glass, Add	105.95	
08 53 13 00-0041	EA 30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	546.69	75.96
	For Colored Vinyl, Add	39.48	
	For Tinted Glass, Add	47.37	
	For Low-E Insulated Glass, Add	98.69	
	For Obscure Glass, Add	108.56	
08 53 13 00-0042	EA 32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	557.28	77.32
	For Colored Vinyl, Add	40.26	
	For Tinted Glass, Add	48.32	
	For Low-E Insulated Glass, Add	100.66	
	For Obscure Glass, Add	110.73	
08 53 13 00-0043	EA 36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	587.39	80.03
	For Colored Vinyl, Add	42.73	
	For Tinted Glass, Add	51.28	
	For Low-E Insulated Glass, Add	106.83	
	For Obscure Glass, Add	117.51	
08 53 13 00-0044	EA 44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	635.00	85.45
	For Colored Vinyl, Add	46.41	
	For Tinted Glass, Add	55.69	
	For Low-E Insulated Glass, Add	116.02	
	For Obscure Glass, Add	127.62	

08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)
(08 53 13 00-0002)

08 53 13 00-0046	EA 24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	519.80	73.25
	For Colored Vinyl, Add	37.33	
	For Tinted Glass, Add	44.80	
	For Low-E Insulated Glass, Add	93.33	
	For Obscure Glass, Add	102.66	
08 53 13 00-0047	EA 28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	543.24	75.96
	For Colored Vinyl, Add	39.13	
	For Tinted Glass, Add	46.96	
	For Low-E Insulated Glass, Add	97.83	
	For Obscure Glass, Add	107.61	
08 53 13 00-0048	EA 30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	555.91	77.32
	For Colored Vinyl, Add	40.13	
	For Tinted Glass, Add	48.15	
	For Low-E Insulated Glass, Add	100.32	
	For Obscure Glass, Add	110.35	
08 53 13 00-0049	EA 32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	566.49	78.68
	For Colored Vinyl, Add	40.91	
	For Tinted Glass, Add	49.10	
	For Low-E Insulated Glass, Add	102.29	
	For Obscure Glass, Add	112.51	
08 53 13 00-0050	EA 36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	597.00	81.39
	For Colored Vinyl, Add	43.42	
	For Tinted Glass, Add	52.11	
	For Low-E Insulated Glass, Add	108.56	
	For Obscure Glass, Add	119.41	
08 53 13 00-0051	EA 44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	645.17	86.81
	For Colored Vinyl, Add	47.16	
	For Tinted Glass, Add	56.59	
	For Low-E Insulated Glass, Add	117.89	
	For Obscure Glass, Add	129.68	

08 53 13 00-0052 52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)
(08 53 13 00-0002)

08 53 13 00-0053	EA 24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	528.61	74.60
	For Colored Vinyl, Add	37.94	
	For Tinted Glass, Add	45.53	
	For Low-E Insulated Glass, Add	94.85	
	For Obscure Glass, Add	104.33	
08 53 13 00-0054	EA 28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	552.06	77.32
	For Colored Vinyl, Add	39.74	
	For Tinted Glass, Add	47.69	
	For Low-E Insulated Glass, Add	99.36	
	For Obscure Glass, Add	109.29	
08 53 13 00-0055	EA 30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	565.17	78.68
	For Colored Vinyl, Add	40.78	
	For Tinted Glass, Add	48.94	
	For Low-E Insulated Glass, Add	101.96	
	For Obscure Glass, Add	112.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
08 53 13 00-0056	EA		32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	575.76	80.03
			For Colored Vinyl, Add	41.57	
			For Tinted Glass, Add	49.88	
			For Low-E Insulated Glass, Add	103.92	
			For Obscure Glass, Add	114.31	
08 53 13 00-0057	EA		36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	606.72	82.75
			For Colored Vinyl, Add	44.12	
			For Tinted Glass, Add	52.95	
			For Low-E Insulated Glass, Add	110.31	
			For Obscure Glass, Add	121.34	
08 53 13 00-0058	EA		44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	655.45	88.17
			For Colored Vinyl, Add	47.91	
			For Tinted Glass, Add	57.49	
			For Low-E Insulated Glass, Add	119.78	
			For Obscure Glass, Add	131.76	
08 53 13 00-0059			54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0060	EA		24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	537.40	75.96
			For Colored Vinyl, Add	38.55	
			For Tinted Glass, Add	46.26	
			For Low-E Insulated Glass, Add	96.37	
			For Obscure Glass, Add	106.01	
08 53 13 00-0061	EA		28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	560.86	78.68
			For Colored Vinyl, Add	40.35	
			For Tinted Glass, Add	48.42	
			For Low-E Insulated Glass, Add	100.88	
			For Obscure Glass, Add	110.97	
08 53 13 00-0062	EA		30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	574.39	80.03
			For Colored Vinyl, Add	41.43	
			For Tinted Glass, Add	49.72	
			For Low-E Insulated Glass, Add	103.58	
			For Obscure Glass, Add	113.94	
08 53 13 00-0063	EA		32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	584.96	81.39
			For Colored Vinyl, Add	42.22	
			For Tinted Glass, Add	50.66	
			For Low-E Insulated Glass, Add	105.55	
			For Obscure Glass, Add	116.10	
08 53 13 00-0064	EA		36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	616.34	84.10
			For Colored Vinyl, Add	44.61	
			For Tinted Glass, Add	53.78	
			For Low-E Insulated Glass, Add	112.04	
			For Obscure Glass, Add	123.24	
08 53 13 00-0065	EA		44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	665.63	89.53
			For Colored Vinyl, Add	48.66	
			For Tinted Glass, Add	58.39	
			For Low-E Insulated Glass, Add	121.65	
			For Obscure Glass, Add	133.81	
08 53 13 00-0066			60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		
08 53 13 00-0067	EA		24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	564.59	80.03
			For Colored Vinyl, Add	40.45	
			For Tinted Glass, Add	48.54	
			For Low-E Insulated Glass, Add	101.13	
			For Obscure Glass, Add	111.24	
08 53 13 00-0068	EA		28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	588.04	82.75
			For Colored Vinyl, Add	42.26	
			For Tinted Glass, Add	50.71	
			For Low-E Insulated Glass, Add	105.64	
			For Obscure Glass, Add	116.20	
08 53 13 00-0069	EA		30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	602.78	84.10
			For Colored Vinyl, Add	43.46	
			For Tinted Glass, Add	52.15	
			For Low-E Insulated Glass, Add	108.65	
			For Obscure Glass, Add	119.51	
08 53 13 00-0070	EA		32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	613.37	85.45
			For Colored Vinyl, Add	44.25	
			For Tinted Glass, Add	53.09	
			For Low-E Insulated Glass, Add	110.61	
			For Obscure Glass, Add	121.67	
08 53 13 00-0071	EA		36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	646.06	88.17
			For Colored Vinyl, Add	46.97	
			For Tinted Glass, Add	56.37	
			For Low-E Insulated Glass, Add	117.43	
			For Obscure Glass, Add	129.17	
08 53 13 00-0072	EA		44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	697.07	93.60
			For Colored Vinyl, Add	50.99	
			For Tinted Glass, Add	61.19	
			For Low-E Insulated Glass, Add	127.47	
			For Obscure Glass, Add	140.22	
08 53 13 00-0073			62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0074	EA 24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	573.39		81.39
	For Colored Vinyl, Add	41.06		
	For Tinted Glass, Add	49.27		
	For Low-E Insulated Glass, Add	102.66		
	For Obscure Glass, Add	112.92		
08 53 13 00-0075	EA 28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	596.84		84.10
	For Colored Vinyl, Add	42.86		
	For Tinted Glass, Add	51.44		
	For Low-E Insulated Glass, Add	107.16		
	For Obscure Glass, Add	117.88		
08 53 13 00-0076	EA 30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	612.10		85.45
	For Colored Vinyl, Add	44.12		
	For Tinted Glass, Add	52.94		
	For Low-E Insulated Glass, Add	110.30		
	For Obscure Glass, Add	121.32		
08 53 13 00-0077	EA 32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	622.67		86.81
	For Colored Vinyl, Add	44.91		
	For Tinted Glass, Add	53.89		
	For Low-E Insulated Glass, Add	112.26		
	For Obscure Glass, Add	123.49		
08 53 13 00-0078	EA 36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	655.78		89.53
	For Colored Vinyl, Add	47.67		
	For Tinted Glass, Add	57.21		
	For Low-E Insulated Glass, Add	119.18		
	For Obscure Glass, Add	131.10		
08 53 13 00-0079	EA 44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	707.41		94.96
	For Colored Vinyl, Add	51.75		
	For Tinted Glass, Add	62.10		
	For Low-E Insulated Glass, Add	129.38		
	For Obscure Glass, Add	142.31		
08 53 13 00-0080 66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)				
08 53 13 00-0081	EA 24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	591.31		84.10
	For Colored Vinyl, Add	42.31		
	For Tinted Glass, Add	50.77		
	For Low-E Insulated Glass, Add	105.78		
	For Obscure Glass, Add	116.36		
08 53 13 00-0082	EA 28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	614.75		86.81
	For Colored Vinyl, Add	44.11		
	For Tinted Glass, Add	52.94		
	For Low-E Insulated Glass, Add	110.28		
	For Obscure Glass, Add	121.31		
08 53 13 00-0083	EA 30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	630.83		88.17
	For Colored Vinyl, Add	45.45		
	For Tinted Glass, Add	54.54		
	For Low-E Insulated Glass, Add	113.62		
	For Obscure Glass, Add	124.98		
08 53 13 00-0084	EA 32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	641.41		89.53
	For Colored Vinyl, Add	46.24		
	For Tinted Glass, Add	55.48		
	For Low-E Insulated Glass, Add	115.59		
	For Obscure Glass, Add	127.15		
08 53 13 00-0085	EA 36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	675.42		92.24
	For Colored Vinyl, Add	49.09		
	For Tinted Glass, Add	58.91		
	For Low-E Insulated Glass, Add	122.74		
	For Obscure Glass, Add	135.01		
08 53 13 00-0086	EA 44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	728.12		97.66
	For Colored Vinyl, Add	53.28		
	For Tinted Glass, Add	63.93		
	For Low-E Insulated Glass, Add	133.20		
	For Obscure Glass, Add	146.51		
08 53 13 00-0087 72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)				
08 53 13 00-0088	EA 24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	618.49		88.17
	For Colored Vinyl, Add	44.22		
	For Tinted Glass, Add	53.06		
	For Low-E Insulated Glass, Add	110.54		
	For Obscure Glass, Add	121.59		
08 53 13 00-0089	EA 28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	641.94		90.89
	For Colored Vinyl, Add	46.02		
	For Tinted Glass, Add	55.22		
	For Low-E Insulated Glass, Add	115.04		
	For Obscure Glass, Add	126.55		
08 53 13 00-0090	EA 30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	658.01		92.24
	For Colored Vinyl, Add	47.35		
	For Tinted Glass, Add	56.82		
	For Low-E Insulated Glass, Add	118.38		
	For Obscure Glass, Add	130.22		
08 53 13 00-0091	EA 32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	668.59		93.60
	For Colored Vinyl, Add	48.14		
	For Tinted Glass, Add	57.77		
	For Low-E Insulated Glass, Add	120.35		
	For Obscure Glass, Add	132.39		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0092	EA		36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	702.60	96.31
			For Colored Vinyl, Add	51.00	
			For Tinted Glass, Add	61.20	
			For Low-E Insulated Glass, Add	127.50	
			For Obscure Glass, Add	140.24	
08 53 13 00-0093	EA		44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	755.29	101.74
			For Colored Vinyl, Add	55.18	
			For Tinted Glass, Add	66.22	
			For Low-E Insulated Glass, Add	137.96	
			For Obscure Glass, Add	151.75	
08 53 13 00-0094			Replacement, Single Hung Vinyl Windows (Silver Line 2000) (08 53 13 00-0001)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	661.35	71.21
			For Colored Vinyl, Add	51.89	
			For Tinted Glass, Add	62.27	
			For Low-E Insulated Glass, Add	129.73	
			For Obscure Glass, Add	142.70	
08 53 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	724.92	78.00
			For Colored Vinyl, Add	56.89	
			For Tinted Glass, Add	68.27	
			For Low-E Insulated Glass, Add	142.23	
			For Obscure Glass, Add	156.46	
08 53 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	783.43	84.78
			For Colored Vinyl, Add	61.39	
			For Tinted Glass, Add	73.66	
			For Low-E Insulated Glass, Add	153.47	
			For Obscure Glass, Add	168.81	
08 53 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	824.16	91.56
			For Colored Vinyl, Add	64.10	
			For Tinted Glass, Add	76.92	
			For Low-E Insulated Glass, Add	160.26	
			For Obscure Glass, Add	176.28	
08 53 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	866.91	98.35
			For Colored Vinyl, Add	67.02	
			For Tinted Glass, Add	80.43	
			For Low-E Insulated Glass, Add	167.56	
			For Obscure Glass, Add	184.31	
08 53 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	941.41	105.13
			For Colored Vinyl, Add	73.12	
			For Tinted Glass, Add	87.74	
			For Low-E Insulated Glass, Add	182.79	
			For Obscure Glass, Add	201.07	
08 53 13 00-0101	UI		>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	7.85	0.88
			For Colored Vinyl, Add	0.61	
			For Tinted Glass, Add	0.73	
			For Low-E Insulated Glass, Add	1.52	
			For Obscure Glass, Add	1.67	
08 53 13 00-0102			Double Hung Vinyl Windows (08 53 13)		
08 53 13 00-0103			New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0102)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0104			34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0105	EA		24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	643.52	62.39
			For Colored Vinyl, Add	51.87	
			For Tinted Glass, Add	62.25	
			For Low-E Insulated Glass, Add	129.68	
			For Obscure Glass, Add	142.65	
08 53 13 00-0106	EA		28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	666.96	65.11
			For Colored Vinyl, Add	53.67	
			For Tinted Glass, Add	64.41	
			For Low-E Insulated Glass, Add	134.19	
			For Obscure Glass, Add	147.60	
08 53 13 00-0107	EA		30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	678.30	66.47
			For Colored Vinyl, Add	54.54	
			For Tinted Glass, Add	65.44	
			For Low-E Insulated Glass, Add	136.34	
			For Obscure Glass, Add	149.98	
08 53 13 00-0108	EA		32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	688.89	67.82
			For Colored Vinyl, Add	55.32	
			For Tinted Glass, Add	66.39	
			For Low-E Insulated Glass, Add	138.31	
			For Obscure Glass, Add	152.14	
08 53 13 00-0109	EA		36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	714.67	70.54
			For Colored Vinyl, Add	57.36	
			For Tinted Glass, Add	68.83	
			For Low-E Insulated Glass, Add	143.40	
			For Obscure Glass, Add	157.74	
08 53 13 00-0110	EA		44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	756.65	75.96
			For Colored Vinyl, Add	60.47	
			For Tinted Glass, Add	72.57	
			For Low-E Insulated Glass, Add	151.18	
			For Obscure Glass, Add	166.30	

08 Openings**08 50 Windows****08 53 Plastic Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)
(08 53 13 00-0103)

08 53 13 00-0112	EA 24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	652.57	63.75
	For Colored Vinyl, Add	52.51	
	For Tinted Glass, Add	63.01	
	For Low-E Insulated Glass, Add	131.27	
	For Obscure Glass, Add	144.39	
08 53 13 00-0113	EA 28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	676.02	66.47
	For Colored Vinyl, Add	54.31	
	For Tinted Glass, Add	65.17	
	For Low-E Insulated Glass, Add	135.77	
	For Obscure Glass, Add	149.35	
08 53 13 00-0114	EA 30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	687.37	67.82
	For Colored Vinyl, Add	55.17	
	For Tinted Glass, Add	66.21	
	For Low-E Insulated Glass, Add	137.93	
	For Obscure Glass, Add	151.72	
08 53 13 00-0115	EA 32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	697.95	69.18
	For Colored Vinyl, Add	55.96	
	For Tinted Glass, Add	67.15	
	For Low-E Insulated Glass, Add	139.90	
	For Obscure Glass, Add	153.89	
08 53 13 00-0116	EA 36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	723.74	71.90
	For Colored Vinyl, Add	58.00	
	For Tinted Glass, Add	69.59	
	For Low-E Insulated Glass, Add	144.99	
	For Obscure Glass, Add	159.49	
08 53 13 00-0117	EA 44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	765.72	77.32
	For Colored Vinyl, Add	61.11	
	For Tinted Glass, Add	73.33	
	For Low-E Insulated Glass, Add	152.77	
	For Obscure Glass, Add	168.05	

08 53 13 00-0118 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)
(08 53 13 00-0103)

08 53 13 00-0119	EA 24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	660.72	65.11
	For Colored Vinyl, Add	53.05	
	For Tinted Glass, Add	63.66	
	For Low-E Insulated Glass, Add	132.63	
	For Obscure Glass, Add	145.89	
08 53 13 00-0120	EA 28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	684.17	67.82
	For Colored Vinyl, Add	54.85	
	For Tinted Glass, Add	65.82	
	For Low-E Insulated Glass, Add	137.13	
	For Obscure Glass, Add	150.84	
08 53 13 00-0121	EA 30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	695.87	69.18
	For Colored Vinyl, Add	55.75	
	For Tinted Glass, Add	66.90	
	For Low-E Insulated Glass, Add	139.38	
	For Obscure Glass, Add	153.32	
08 53 13 00-0122	EA 32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	706.45	70.54
	For Colored Vinyl, Add	56.54	
	For Tinted Glass, Add	67.85	
	For Low-E Insulated Glass, Add	141.35	
	For Obscure Glass, Add	155.48	
08 53 13 00-0123	EA 36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	732.75	73.25
	For Colored Vinyl, Add	58.63	
	For Tinted Glass, Add	70.35	
	For Low-E Insulated Glass, Add	146.56	
	For Obscure Glass, Add	161.22	
08 53 13 00-0124	EA 44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	775.23	78.68
	For Colored Vinyl, Add	61.79	
	For Tinted Glass, Add	74.15	
	For Low-E Insulated Glass, Add	154.47	
	For Obscure Glass, Add	169.92	

08 53 13 00-0125 44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)
(08 53 13 00-0103)

08 53 13 00-0126	EA 24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	688.61	69.18
	For Colored Vinyl, Add	55.03	
	For Tinted Glass, Add	66.03	
	For Low-E Insulated Glass, Add	137.56	
	For Obscure Glass, Add	151.32	
08 53 13 00-0127	EA 28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	712.06	71.90
	For Colored Vinyl, Add	56.83	
	For Tinted Glass, Add	68.19	
	For Low-E Insulated Glass, Add	142.07	
	For Obscure Glass, Add	156.27	
08 53 13 00-0128	EA 30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	721.68	73.25
	For Colored Vinyl, Add	57.52	
	For Tinted Glass, Add	69.02	
	For Low-E Insulated Glass, Add	143.80	
	For Obscure Glass, Add	158.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
08 53 13 00-0129	EA	32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	732.27	74.60	
		For Colored Vinyl, Add	58.31		
		For Tinted Glass, Add	69.97		
		For Low-E Insulated Glass, Add	145.76		
		For Obscure Glass, Add	160.34		
08 53 13 00-0130	EA	36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	759.67	77.32	
		For Colored Vinyl, Add	60.50		
		For Tinted Glass, Add	72.60		
		For Low-E Insulated Glass, Add	151.26		
		For Obscure Glass, Add	166.38		
08 53 13 00-0131	EA	44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	804.70	82.75	
		For Colored Vinyl, Add	63.92		
		For Tinted Glass, Add	76.71		
		For Low-E Insulated Glass, Add	159.80		
		For Obscure Glass, Add	175.78		
08 53 13 00-0132		46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)			
08 53 13 00-0133	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	696.70	70.54	
		For Colored Vinyl, Add	55.56		
		For Tinted Glass, Add	66.68		
		For Low-E Insulated Glass, Add	138.91		
		For Obscure Glass, Add	152.80		
08 53 13 00-0134	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	720.15	73.25	
		For Colored Vinyl, Add	57.37		
		For Tinted Glass, Add	68.84		
		For Low-E Insulated Glass, Add	143.41		
		For Obscure Glass, Add	157.75		
08 53 13 00-0135	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	730.34	74.60	
		For Colored Vinyl, Add	58.11		
		For Tinted Glass, Add	69.73		
		For Low-E Insulated Glass, Add	145.28		
		For Obscure Glass, Add	159.81		
08 53 13 00-0136	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	740.91	75.96	
		For Colored Vinyl, Add	58.90		
		For Tinted Glass, Add	70.68		
		For Low-E Insulated Glass, Add	147.25		
		For Obscure Glass, Add	161.97		
08 53 13 00-0137	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	768.68	78.68	
		For Colored Vinyl, Add	61.13		
		For Tinted Glass, Add	73.36		
		For Low-E Insulated Glass, Add	152.83		
		For Obscure Glass, Add	168.12		
08 53 13 00-0138	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	815.22	84.10	
		For Colored Vinyl, Add	64.70		
		For Tinted Glass, Add	77.64		
		For Low-E Insulated Glass, Add	161.76		
		For Obscure Glass, Add	177.93		
08 53 13 00-0139		48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)			
08 53 13 00-0140	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	704.90	71.90	
		For Colored Vinyl, Add	56.11		
		For Tinted Glass, Add	67.33		
		For Low-E Insulated Glass, Add	140.28		
		For Obscure Glass, Add	154.31		
08 53 13 00-0141	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	728.36	74.60	
		For Colored Vinyl, Add	57.91		
		For Tinted Glass, Add	69.50		
		For Low-E Insulated Glass, Add	144.79		
		For Obscure Glass, Add	159.26		
08 53 13 00-0142	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	738.83	75.96	
		For Colored Vinyl, Add	58.69		
		For Tinted Glass, Add	70.43		
		For Low-E Insulated Glass, Add	146.73		
		For Obscure Glass, Add	161.40		
08 53 13 00-0143	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	749.42	77.32	
		For Colored Vinyl, Add	59.48		
		For Tinted Glass, Add	71.37		
		For Low-E Insulated Glass, Add	148.70		
		For Obscure Glass, Add	163.56		
08 53 13 00-0144	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	777.70	80.03	
		For Colored Vinyl, Add	61.76		
		For Tinted Glass, Add	74.12		
		For Low-E Insulated Glass, Add	154.41		
		For Obscure Glass, Add	169.85		
08 53 13 00-0145	EA	44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	825.56	85.45	
		For Colored Vinyl, Add	65.46		
		For Tinted Glass, Add	78.56		
		For Low-E Insulated Glass, Add	163.66		
		For Obscure Glass, Add	180.03		
08 53 13 00-0146		50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)			

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 53 13 00-0147	EA	24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	713.00		73.25
		For Colored Vinyl, Add	56.65		
		For Tinted Glass, Add	67.98		
		For Low-E Insulated Glass, Add	141.63		
		For Obscure Glass, Add	155.79		
08 53 13 00-0148	EA	28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	736.44		75.96
		For Colored Vinyl, Add	58.45		
		For Tinted Glass, Add	70.14		
		For Low-E Insulated Glass, Add	146.13		
		For Obscure Glass, Add	160.74		
08 53 13 00-0149	EA	30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	747.44		77.32
		For Colored Vinyl, Add	59.28		
		For Tinted Glass, Add	71.14		
		For Low-E Insulated Glass, Add	148.20		
		For Obscure Glass, Add	163.02		
08 53 13 00-0150	EA	32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	758.02		78.68
		For Colored Vinyl, Add	60.07		
		For Tinted Glass, Add	72.08		
		For Low-E Insulated Glass, Add	150.17		
		For Obscure Glass, Add	165.18		
08 53 13 00-0151	EA	36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	786.69		81.39
		For Colored Vinyl, Add	62.39		
		For Tinted Glass, Add	74.87		
		For Low-E Insulated Glass, Add	155.98		
		For Obscure Glass, Add	171.58		
08 53 13 00-0152	EA	44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	836.03		86.81
		For Colored Vinyl, Add	66.24		
		For Tinted Glass, Add	79.49		
		For Low-E Insulated Glass, Add	165.60		
		For Obscure Glass, Add	182.16		
08 53 13 00-0153 52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)					
08 53 13 00-0154	EA	24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	721.15		74.60
		For Colored Vinyl, Add	57.19		
		For Tinted Glass, Add	68.63		
		For Low-E Insulated Glass, Add	142.98		
		For Obscure Glass, Add	157.28		
08 53 13 00-0155	EA	28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	744.59		77.32
		For Colored Vinyl, Add	59.00		
		For Tinted Glass, Add	70.79		
		For Low-E Insulated Glass, Add	147.49		
		For Obscure Glass, Add	162.24		
08 53 13 00-0156	EA	30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	755.94		78.68
		For Colored Vinyl, Add	59.86		
		For Tinted Glass, Add	71.83		
		For Low-E Insulated Glass, Add	149.65		
		For Obscure Glass, Add	164.61		
08 53 13 00-0157	EA	32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	766.53		80.03
		For Colored Vinyl, Add	60.65		
		For Tinted Glass, Add	72.78		
		For Low-E Insulated Glass, Add	151.62		
		For Obscure Glass, Add	166.78		
08 53 13 00-0158	EA	36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	796.57		82.75
		For Colored Vinyl, Add	63.11		
		For Tinted Glass, Add	75.73		
		For Low-E Insulated Glass, Add	157.77		
		For Obscure Glass, Add	173.55		
08 53 13 00-0159	EA	44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	846.31		88.17
		For Colored Vinyl, Add	67.00		
		For Tinted Glass, Add	80.40		
		For Low-E Insulated Glass, Add	167.49		
		For Obscure Glass, Add	184.24		
08 53 13 00-0160 54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)					
08 53 13 00-0161	EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	729.33		75.96
		For Colored Vinyl, Add	57.74		
		For Tinted Glass, Add	69.29		
		For Low-E Insulated Glass, Add	144.35		
		For Obscure Glass, Add	158.79		
08 53 13 00-0162	EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	752.79		78.68
		For Colored Vinyl, Add	59.54		
		For Tinted Glass, Add	71.45		
		For Low-E Insulated Glass, Add	148.86		
		For Obscure Glass, Add	163.75		
08 53 13 00-0163	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	764.60		80.03
		For Colored Vinyl, Add	60.45		
		For Tinted Glass, Add	72.54		
		For Low-E Insulated Glass, Add	151.13		
		For Obscure Glass, Add	166.25		
08 53 13 00-0164	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	775.17		81.39
		For Colored Vinyl, Add	61.24		
		For Tinted Glass, Add	73.49		
		For Low-E Insulated Glass, Add	153.10		
		For Obscure Glass, Add	168.41		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0165	EA		36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	806.44	84.10
			For Colored Vinyl, Add	63.82	
			For Tinted Glass, Add	76.59	
			For Low-E Insulated Glass, Add	159.56	
			For Obscure Glass, Add	175.52	
08 53 13 00-0166	EA		44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	856.64	89.53
			For Colored Vinyl, Add	67.76	
			For Tinted Glass, Add	81.31	
			For Low-E Insulated Glass, Add	169.40	
			For Obscure Glass, Add	186.34	
08 53 13 00-0167			60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0168	EA		24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	753.88	80.03
			For Colored Vinyl, Add	59.38	
			For Tinted Glass, Add	71.26	
			For Low-E Insulated Glass, Add	148.45	
			For Obscure Glass, Add	163.30	
08 53 13 00-0169	EA		28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	777.33	82.75
			For Colored Vinyl, Add	61.18	
			For Tinted Glass, Add	73.42	
			For Low-E Insulated Glass, Add	152.96	
			For Obscure Glass, Add	168.26	
08 53 13 00-0170	EA		30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	792.12	84.10
			For Colored Vinyl, Add	62.39	
			For Tinted Glass, Add	74.87	
			For Low-E Insulated Glass, Add	155.98	
			For Obscure Glass, Add	171.58	
08 53 13 00-0171	EA		32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	802.71	85.45
			For Colored Vinyl, Add	63.18	
			For Tinted Glass, Add	75.81	
			For Low-E Insulated Glass, Add	157.95	
			For Obscure Glass, Add	173.74	
08 53 13 00-0172	EA		36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	835.91	88.17
			For Colored Vinyl, Add	65.96	
			For Tinted Glass, Add	79.15	
			For Low-E Insulated Glass, Add	164.89	
			For Obscure Glass, Add	181.38	
08 53 13 00-0173	EA		44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	887.73	93.60
			For Colored Vinyl, Add	70.05	
			For Tinted Glass, Add	84.06	
			For Low-E Insulated Glass, Add	175.14	
			For Obscure Glass, Add	192.65	
08 53 13 00-0174			62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	762.02	81.39
			For Colored Vinyl, Add	59.93	
			For Tinted Glass, Add	71.91	
			For Low-E Insulated Glass, Add	149.81	
			For Obscure Glass, Add	164.79	
08 53 13 00-0176	EA		28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	785.47	84.10
			For Colored Vinyl, Add	61.73	
			For Tinted Glass, Add	74.07	
			For Low-E Insulated Glass, Add	154.32	
			For Obscure Glass, Add	169.75	
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	801.49	85.45
			For Colored Vinyl, Add	63.06	
			For Tinted Glass, Add	75.67	
			For Low-E Insulated Glass, Add	157.64	
			For Obscure Glass, Add	173.41	
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	812.06	86.81
			For Colored Vinyl, Add	63.84	
			For Tinted Glass, Add	76.61	
			For Low-E Insulated Glass, Add	159.61	
			For Obscure Glass, Add	175.57	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	845.67	89.53
			For Colored Vinyl, Add	66.66	
			For Tinted Glass, Add	79.99	
			For Low-E Insulated Glass, Add	166.66	
			For Obscure Glass, Add	183.32	
08 53 13 00-0180	EA		44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	899.08	94.96
			For Colored Vinyl, Add	70.92	
			For Tinted Glass, Add	85.10	
			For Low-E Insulated Glass, Add	177.29	
			For Obscure Glass, Add	195.02	
08 53 13 00-0181			66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	780.14	84.10
			For Colored Vinyl, Add	61.19	
			For Tinted Glass, Add	73.43	
			For Low-E Insulated Glass, Add	152.99	
			For Obscure Glass, Add	168.28	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0183	EA	28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	803.58	86.81
		For Colored Vinyl, Add	63.00	
		For Tinted Glass, Add	75.60	
		For Low-E Insulated Glass, Add	157.49	
		For Obscure Glass, Add	173.24	
08 53 13 00-0184	EA	30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	820.27	88.17
		For Colored Vinyl, Add	64.39	
		For Tinted Glass, Add	77.27	
		For Low-E Insulated Glass, Add	160.98	
		For Obscure Glass, Add	177.08	
08 53 13 00-0185	EA	32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	830.85	89.53
		For Colored Vinyl, Add	65.18	
		For Tinted Glass, Add	78.22	
		For Low-E Insulated Glass, Add	162.95	
		For Obscure Glass, Add	179.25	
08 53 13 00-0186	EA	36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	865.42	92.24
		For Colored Vinyl, Add	68.09	
		For Tinted Glass, Add	81.71	
		For Low-E Insulated Glass, Add	170.24	
		For Obscure Glass, Add	187.26	
08 53 13 00-0187	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	920.96	97.66
		For Colored Vinyl, Add	72.56	
		For Tinted Glass, Add	87.07	
		For Low-E Insulated Glass, Add	181.41	
		For Obscure Glass, Add	199.55	
08 53 13 00-0188 72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)				
08 53 13 00-0189	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	807.32	88.17
		For Colored Vinyl, Add	63.10	
		For Tinted Glass, Add	75.72	
		For Low-E Insulated Glass, Add	157.75	
		For Obscure Glass, Add	173.52	
08 53 13 00-0190	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	830.77	90.89
		For Colored Vinyl, Add	64.90	
		For Tinted Glass, Add	77.88	
		For Low-E Insulated Glass, Add	162.25	
		For Obscure Glass, Add	178.48	
08 53 13 00-0191	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	847.45	92.24
		For Colored Vinyl, Add	66.30	
		For Tinted Glass, Add	79.56	
		For Low-E Insulated Glass, Add	165.74	
		For Obscure Glass, Add	182.32	
08 53 13 00-0192	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	858.03	93.60
		For Colored Vinyl, Add	67.08	
		For Tinted Glass, Add	80.50	
		For Low-E Insulated Glass, Add	167.71	
		For Obscure Glass, Add	184.48	
08 53 13 00-0193	EA	36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	892.60	96.31
		For Colored Vinyl, Add	70.00	
		For Tinted Glass, Add	84.00	
		For Low-E Insulated Glass, Add	175.00	
		For Obscure Glass, Add	192.49	
08 53 13 00-0194	EA	44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	948.13	101.74
		For Colored Vinyl, Add	74.47	
		For Tinted Glass, Add	89.36	
		For Low-E Insulated Glass, Add	186.17	
		For Obscure Glass, Add	204.78	
08 53 13 00-0195 Replacement, Double Hung Vinyl Windows (Silver Line 8500) (08 53 13 00-0102)				
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).				
08 53 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	791.08	71.21
		For Colored Vinyl, Add	64.87	
		For Tinted Glass, Add	77.84	
		For Low-E Insulated Glass, Add	162.16	
		For Obscure Glass, Add	178.38	
08 53 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	872.42	78.00
		For Colored Vinyl, Add	71.64	
		For Tinted Glass, Add	85.97	
		For Low-E Insulated Glass, Add	179.11	
		For Obscure Glass, Add	197.02	
08 53 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	948.70	84.78
		For Colored Vinyl, Add	77.91	
		For Tinted Glass, Add	93.50	
		For Low-E Insulated Glass, Add	194.79	
		For Obscure Glass, Add	214.26	
08 53 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	1,003.65	91.56
		For Colored Vinyl, Add	82.05	
		For Tinted Glass, Add	98.46	
		For Low-E Insulated Glass, Add	205.13	
		For Obscure Glass, Add	225.64	
08 53 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	1,062.39	98.35
		For Colored Vinyl, Add	86.57	
		For Tinted Glass, Add	103.89	
		For Low-E Insulated Glass, Add	216.43	
		For Obscure Glass, Add	238.07	

	Openings	08	08
	Windows	08 50	
	Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	1,154.66	105.13
			For Colored Vinyl, Add	94.44	
			For Tinted Glass, Add	113.33	
			For Low-E Insulated Glass, Add	236.10	
			For Obscure Glass, Add	259.71	
08 53 13 00-0202	UI		>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	9.63	0.88
			For Colored Vinyl, Add	0.79	
			For Tinted Glass, Add	0.94	
			For Low-E Insulated Glass, Add	1.97	
			For Obscure Glass, Add	2.16	
08 53 13 00-0203			Casement Vinyl Windows (08 53 13)		
08 53 13 00-0204			New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0203)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205			One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0206			24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	590.50	51.54
			For Colored Vinyl, Add	48.88	
			For Tinted Glass, Add	58.65	
			For Low-E Insulated Glass, Add	122.19	
			For Obscure Glass, Add	134.41	
08 53 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	611.07	52.90
			For Colored Vinyl, Add	50.53	
			For Tinted Glass, Add	60.63	
			For Low-E Insulated Glass, Add	126.32	
			For Obscure Glass, Add	138.95	
08 53 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	632.99	55.62
			For Colored Vinyl, Add	52.18	
			For Tinted Glass, Add	62.61	
			For Low-E Insulated Glass, Add	130.44	
			For Obscure Glass, Add	143.48	
08 53 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	673.10	58.33
			For Colored Vinyl, Add	55.64	
			For Tinted Glass, Add	66.77	
			For Low-E Insulated Glass, Add	139.11	
			For Obscure Glass, Add	153.02	
08 53 13 00-0211			28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0212	EA		17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	626.64	54.26
			For Colored Vinyl, Add	51.95	
			For Tinted Glass, Add	62.34	
			For Low-E Insulated Glass, Add	129.87	
			For Obscure Glass, Add	142.86	
08 53 13 00-0213	EA		20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	649.09	55.62
			For Colored Vinyl, Add	53.79	
			For Tinted Glass, Add	64.54	
			For Low-E Insulated Glass, Add	134.47	
			For Obscure Glass, Add	147.91	
08 53 13 00-0214	EA		24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	672.85	58.33
			For Colored Vinyl, Add	55.62	
			For Tinted Glass, Add	66.74	
			For Low-E Insulated Glass, Add	139.05	
			For Obscure Glass, Add	152.95	
08 53 13 00-0215	EA		28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	715.18	61.05
			For Colored Vinyl, Add	59.31	
			For Tinted Glass, Add	71.17	
			For Low-E Insulated Glass, Add	148.28	
			For Obscure Glass, Add	163.10	
08 53 13 00-0216			36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0217	EA		17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	669.14	58.33
			For Colored Vinyl, Add	55.25	
			For Tinted Glass, Add	66.30	
			For Low-E Insulated Glass, Add	138.12	
			For Obscure Glass, Add	151.93	
08 53 13 00-0218	EA		20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	692.50	61.05
			For Colored Vinyl, Add	57.18	
			For Tinted Glass, Add	68.61	
			For Low-E Insulated Glass, Add	142.95	
			For Obscure Glass, Add	157.24	
08 53 13 00-0219	EA		24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	717.28	63.08
			For Colored Vinyl, Add	59.11	
			For Tinted Glass, Add	70.93	
			For Low-E Insulated Glass, Add	147.78	
			For Obscure Glass, Add	162.56	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0220	EA 28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	761.39		65.79
	For Colored Vinyl, Add	62.98		
	For Tinted Glass, Add	75.58		
	For Low-E Insulated Glass, Add	157.45		
	For Obscure Glass, Add	173.20		
08 53 13 00-0221	40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)			
08 53 13 00-0222	EA 17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	707.76		62.39
	For Colored Vinyl, Add	58.43		
	For Tinted Glass, Add	70.12		
	For Low-E Insulated Glass, Add	146.08		
	For Obscure Glass, Add	160.69		
08 53 13 00-0223	EA 20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	732.44		63.75
	For Colored Vinyl, Add	60.49		
	For Tinted Glass, Add	72.59		
	For Low-E Insulated Glass, Add	151.23		
	For Obscure Glass, Add	166.36		
08 53 13 00-0224	EA 24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	758.48		66.47
	For Colored Vinyl, Add	62.56		
	For Tinted Glass, Add	75.07		
	For Low-E Insulated Glass, Add	156.39		
	For Obscure Glass, Add	172.03		
08 53 13 00-0225	EA 28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	806.25		69.18
	For Colored Vinyl, Add	66.79		
	For Tinted Glass, Add	80.15		
	For Low-E Insulated Glass, Add	166.97		
	For Obscure Glass, Add	183.67		
08 53 13 00-0226	48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)			
08 53 13 00-0227	EA 17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	750.75		67.82
	For Colored Vinyl, Add	61.65		
	For Tinted Glass, Add	73.98		
	For Low-E Insulated Glass, Add	154.12		
	For Obscure Glass, Add	169.53		
08 53 13 00-0228	EA 20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	776.55		69.18
	For Colored Vinyl, Add	63.82		
	For Tinted Glass, Add	76.58		
	For Low-E Insulated Glass, Add	159.55		
	For Obscure Glass, Add	175.50		
08 53 13 00-0229	EA 24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	803.76		71.90
	For Colored Vinyl, Add	66.00		
	For Tinted Glass, Add	79.20		
	For Low-E Insulated Glass, Add	164.99		
	For Obscure Glass, Add	181.49		
08 53 13 00-0230	EA 28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	856.36		74.60
	For Colored Vinyl, Add	70.71		
	For Tinted Glass, Add	84.86		
	For Low-E Insulated Glass, Add	176.79		
	For Obscure Glass, Add	194.46		
08 53 13 00-0231	52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)			
08 53 13 00-0232	EA 17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	788.16		70.54
	For Colored Vinyl, Add	64.85		
	For Tinted Glass, Add	77.81		
	For Low-E Insulated Glass, Add	162.11		
	For Obscure Glass, Add	178.32		
08 53 13 00-0233	EA 20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	815.49		71.90
	For Colored Vinyl, Add	67.17		
	For Tinted Glass, Add	80.60		
	For Low-E Insulated Glass, Add	167.93		
	For Obscure Glass, Add	184.72		
08 53 13 00-0234	EA 24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	844.13		74.60
	For Colored Vinyl, Add	69.49		
	For Tinted Glass, Add	83.39		
	For Low-E Insulated Glass, Add	173.73		
	For Obscure Glass, Add	191.10		
08 53 13 00-0235	EA 28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	897.63		77.32
	For Colored Vinyl, Add	74.30		
	For Tinted Glass, Add	89.16		
	For Low-E Insulated Glass, Add	185.75		
	For Obscure Glass, Add	204.32		
08 53 13 00-0236	60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)			
08 53 13 00-0237	EA 17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	829.65		74.60
	For Colored Vinyl, Add	68.04		
	For Tinted Glass, Add	81.65		
	For Low-E Insulated Glass, Add	170.11		
	For Obscure Glass, Add	187.12		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	858.44	77.32
		For Colored Vinyl, Add	70.52	
		For Tinted Glass, Add	84.62	
		For Low-E Insulated Glass, Add	176.29	
		For Obscure Glass, Add	193.92	
08 53 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	888.60	79.35
		For Colored Vinyl, Add	72.99	
		For Tinted Glass, Add	87.59	
		For Low-E Insulated Glass, Add	182.47	
		For Obscure Glass, Add	200.72	
08 53 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	942.97	82.07
		For Colored Vinyl, Add	77.88	
		For Tinted Glass, Add	93.46	
		For Low-E Insulated Glass, Add	194.71	
		For Obscure Glass, Add	214.18	
08 53 13 00-0241		64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	867.65	78.68
		For Colored Vinyl, Add	71.17	
		For Tinted Glass, Add	85.40	
		For Low-E Insulated Glass, Add	177.92	
		For Obscure Glass, Add	195.71	
08 53 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	897.22	80.03
		For Colored Vinyl, Add	73.72	
		For Tinted Glass, Add	88.46	
		For Low-E Insulated Glass, Add	184.29	
		For Obscure Glass, Add	202.72	
08 53 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	929.40	82.75
		For Colored Vinyl, Add	76.39	
		For Tinted Glass, Add	91.67	
		For Low-E Insulated Glass, Add	190.98	
		For Obscure Glass, Add	210.08	
08 53 13 00-0245	EA	28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	982.51	85.45
		For Colored Vinyl, Add	81.16	
		For Tinted Glass, Add	97.39	
		For Low-E Insulated Glass, Add	202.90	
		For Obscure Glass, Add	223.19	
08 53 13 00-0246		72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0205)		
08 53 13 00-0247	EA	17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	914.06	82.75
		For Colored Vinyl, Add	74.86	
		For Tinted Glass, Add	89.83	
		For Low-E Insulated Glass, Add	187.14	
		For Obscure Glass, Add	205.86	
08 53 13 00-0248	EA	20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	945.20	85.45
		For Colored Vinyl, Add	77.56	
		For Tinted Glass, Add	93.08	
		For Low-E Insulated Glass, Add	193.91	
		For Obscure Glass, Add	213.30	
08 53 13 00-0249	EA	24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	975.95	87.50
		For Colored Vinyl, Add	80.10	
		For Tinted Glass, Add	96.12	
		For Low-E Insulated Glass, Add	200.24	
		For Obscure Glass, Add	220.27	
08 53 13 00-0250	EA	28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,028.40	90.20
		For Colored Vinyl, Add	84.80	
		For Tinted Glass, Add	101.76	
		For Low-E Insulated Glass, Add	212.00	
		For Obscure Glass, Add	233.20	
08 53 13 00-0251		Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)		
08 53 13 00-0252		36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)		
08 53 13 00-0253	EA	33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,199.50	69.18
		For Colored Vinyl, Add	106.11	
		For Tinted Glass, Add	127.34	
		For Low-E Insulated Glass, Add	265.29	
		For Obscure Glass, Add	291.81	
08 53 13 00-0254	EA	40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,242.31	74.60
		For Colored Vinyl, Add	109.45	
		For Tinted Glass, Add	131.33	
		For Low-E Insulated Glass, Add	273.61	
		For Obscure Glass, Add	300.97	
08 53 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,286.52	80.03
		For Colored Vinyl, Add	112.78	
		For Tinted Glass, Add	135.34	
		For Low-E Insulated Glass, Add	281.95	
		For Obscure Glass, Add	310.15	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0256	EA 56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,336.93		84.78
	For Colored Vinyl, Add	116.74		
	For Tinted Glass, Add	140.08		
	For Low-E Insulated Glass, Add	291.84		
	For Obscure Glass, Add	321.03		
08 53 13 00-0257	40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			
08 53 13 00-0258	EA 33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,270.46		72.57
	For Colored Vinyl, Add	112.53		
	For Tinted Glass, Add	135.04		
	For Low-E Insulated Glass, Add	281.33		
	For Obscure Glass, Add	309.46		
08 53 13 00-0259	EA 40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,316.01		77.32
	For Colored Vinyl, Add	116.14		
	For Tinted Glass, Add	139.36		
	For Low-E Insulated Glass, Add	290.34		
	For Obscure Glass, Add	319.38		
08 53 13 00-0260	EA 48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,362.97		82.75
	For Colored Vinyl, Add	119.75		
	For Tinted Glass, Add	143.70		
	For Low-E Insulated Glass, Add	299.37		
	For Obscure Glass, Add	329.31		
08 53 13 00-0261	EA 56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,411.69		88.17
	For Colored Vinyl, Add	123.54		
	For Tinted Glass, Add	148.24		
	For Low-E Insulated Glass, Add	308.84		
	For Obscure Glass, Add	339.72		
08 53 13 00-0262	48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			
08 53 13 00-0263	EA 33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,346.76		78.00
	For Colored Vinyl, Add	119.08		
	For Tinted Glass, Add	142.89		
	For Low-E Insulated Glass, Add	297.69		
	For Obscure Glass, Add	327.46		
08 53 13 00-0264	EA 40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,394.29		82.75
	For Colored Vinyl, Add	122.88		
	For Tinted Glass, Add	147.46		
	For Low-E Insulated Glass, Add	307.20		
	For Obscure Glass, Add	337.92		
08 53 13 00-0265	EA 48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,443.22		88.17
	For Colored Vinyl, Add	126.69		
	For Tinted Glass, Add	152.03		
	For Low-E Insulated Glass, Add	316.72		
	For Obscure Glass, Add	348.39		
08 53 13 00-0266	EA 56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,496.57		93.60
	For Colored Vinyl, Add	130.94		
	For Tinted Glass, Add	157.13		
	For Low-E Insulated Glass, Add	327.35		
	For Obscure Glass, Add	360.08		
08 53 13 00-0267	52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			
08 53 13 00-0268	EA 33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,417.49		80.71
	For Colored Vinyl, Add	125.61		
	For Tinted Glass, Add	150.73		
	For Low-E Insulated Glass, Add	314.02		
	For Obscure Glass, Add	345.42		
08 53 13 00-0269	EA 40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,467.66		85.45
	For Colored Vinyl, Add	129.67		
	For Tinted Glass, Add	155.61		
	For Low-E Insulated Glass, Add	324.19		
	For Obscure Glass, Add	356.60		
08 53 13 00-0270	EA 48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,519.18		90.89
	For Colored Vinyl, Add	133.74		
	For Tinted Glass, Add	160.49		
	For Low-E Insulated Glass, Add	334.35		
	For Obscure Glass, Add	367.79		
08 53 13 00-0271	EA 56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,573.44		96.31
	For Colored Vinyl, Add	138.08		
	For Tinted Glass, Add	165.70		
	For Low-E Insulated Glass, Add	345.21		
	For Obscure Glass, Add	379.73		
08 53 13 00-0272	60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)			
08 53 13 00-0273	EA 33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,492.29		85.45
	For Colored Vinyl, Add	132.14		
	For Tinted Glass, Add	158.56		
	For Low-E Insulated Glass, Add	330.34		
	For Obscure Glass, Add	363.38		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0274	EA	40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,545.09	90.89
		For Colored Vinyl, Add	136.47	
		For Tinted Glass, Add	163.76	
		For Low-E Insulated Glass, Add	341.17	
		For Obscure Glass, Add	375.29	
08 53 13 00-0275	EA	48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,599.20	96.31
		For Colored Vinyl, Add	140.79	
		For Tinted Glass, Add	168.95	
		For Low-E Insulated Glass, Add	351.99	
		For Obscure Glass, Add	387.18	
08 53 13 00-0276	EA	56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,654.33	101.05
		For Colored Vinyl, Add	145.22	
		For Tinted Glass, Add	174.27	
		For Low-E Insulated Glass, Add	363.05	
		For Obscure Glass, Add	399.36	
08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)				
08 53 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,566.50	88.85
		For Colored Vinyl, Add	138.88	
		For Tinted Glass, Add	166.66	
		For Low-E Insulated Glass, Add	347.20	
		For Obscure Glass, Add	381.92	
08 53 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,619.30	93.60
		For Colored Vinyl, Add	143.21	
		For Tinted Glass, Add	171.85	
		For Low-E Insulated Glass, Add	358.03	
		For Obscure Glass, Add	393.83	
08 53 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,673.20	99.02
		For Colored Vinyl, Add	147.52	
		For Tinted Glass, Add	177.02	
		For Low-E Insulated Glass, Add	368.79	
		For Obscure Glass, Add	405.67	
08 53 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,728.53	104.45
		For Colored Vinyl, Add	151.96	
		For Tinted Glass, Add	182.36	
		For Low-E Insulated Glass, Add	379.91	
		For Obscure Glass, Add	417.90	
08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0251)				
08 53 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,647.78	93.60
		For Colored Vinyl, Add	146.06	
		For Tinted Glass, Add	175.27	
		For Low-E Insulated Glass, Add	365.15	
		For Obscure Glass, Add	401.66	
08 53 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,700.58	99.02
		For Colored Vinyl, Add	150.39	
		For Tinted Glass, Add	180.47	
		For Low-E Insulated Glass, Add	375.98	
		For Obscure Glass, Add	413.57	
08 53 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,754.75	104.45
		For Colored Vinyl, Add	154.72	
		For Tinted Glass, Add	185.67	
		For Low-E Insulated Glass, Add	386.80	
		For Obscure Glass, Add	425.48	
08 53 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,809.88	109.20
		For Colored Vinyl, Add	159.15	
		For Tinted Glass, Add	190.98	
		For Low-E Insulated Glass, Add	397.87	
		For Obscure Glass, Add	437.66	
08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0204)				
08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)				
08 53 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,479.38	88.17
		For Colored Vinyl, Add	130.30	
		For Tinted Glass, Add	156.36	
		For Low-E Insulated Glass, Add	325.76	
		For Obscure Glass, Add	358.34	
08 53 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,547.83	94.96
		For Colored Vinyl, Add	135.79	
		For Tinted Glass, Add	162.95	
		For Low-E Insulated Glass, Add	339.48	
		For Obscure Glass, Add	373.43	
08 53 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,671.45	105.13
		For Colored Vinyl, Add	146.12	
		For Tinted Glass, Add	175.34	
		For Low-E Insulated Glass, Add	365.30	
		For Obscure Glass, Add	401.83	

08 Openings**08 50 Windows****08 53 Plastic Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 53 13 00-0292	40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0293	EA 62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,577.71	92.24
	For Colored Vinyl, Add	139.46	
	For Tinted Glass, Add	167.35	
	For Low-E Insulated Glass, Add	348.65	
	For Obscure Glass, Add	383.51	
08 53 13 00-0294	EA 72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,646.71	98.35
	For Colored Vinyl, Add	145.00	
	For Tinted Glass, Add	174.00	
	For Low-E Insulated Glass, Add	362.51	
	For Obscure Glass, Add	398.76	
08 53 13 00-0295	EA 86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,777.76	108.52
	For Colored Vinyl, Add	156.07	
	For Tinted Glass, Add	187.29	
	For Low-E Insulated Glass, Add	390.18	
	For Obscure Glass, Add	429.20	
08 53 13 00-0296	48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0297	EA 62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,668.37	97.66
	For Colored Vinyl, Add	147.30	
	For Tinted Glass, Add	176.76	
	For Low-E Insulated Glass, Add	368.26	
	For Obscure Glass, Add	405.08	
08 53 13 00-0298	EA 72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,751.00	103.77
	For Colored Vinyl, Add	154.35	
	For Tinted Glass, Add	185.22	
	For Low-E Insulated Glass, Add	385.87	
	For Obscure Glass, Add	424.45	
08 53 13 00-0299	EA 86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,888.38	113.95
	For Colored Vinyl, Add	166.05	
	For Tinted Glass, Add	199.26	
	For Low-E Insulated Glass, Add	415.12	
	For Obscure Glass, Add	456.63	
08 53 13 00-0300	52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0301	EA 62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,762.19	100.38
	For Colored Vinyl, Add	156.14	
	For Tinted Glass, Add	187.37	
	For Low-E Insulated Glass, Add	390.36	
	For Obscure Glass, Add	429.39	
08 53 13 00-0302	EA 72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,850.03	107.16
	For Colored Vinyl, Add	163.57	
	For Tinted Glass, Add	196.29	
	For Low-E Insulated Glass, Add	408.93	
	For Obscure Glass, Add	449.82	
08 53 13 00-0303	EA 86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	2,008.25	116.66
	For Colored Vinyl, Add	177.49	
	For Tinted Glass, Add	212.99	
	For Low-E Insulated Glass, Add	443.74	
	For Obscure Glass, Add	488.11	
08 53 13 00-0304	60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0305	EA 62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,860.03	105.13
	For Colored Vinyl, Add	164.98	
	For Tinted Glass, Add	197.97	
	For Low-E Insulated Glass, Add	412.45	
	For Obscure Glass, Add	453.69	
08 53 13 00-0306	EA 72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,951.74	111.90
	For Colored Vinyl, Add	172.79	
	For Tinted Glass, Add	207.35	
	For Low-E Insulated Glass, Add	431.98	
	For Obscure Glass, Add	475.18	
08 53 13 00-0307	EA 86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	2,132.19	121.41
	For Colored Vinyl, Add	188.94	
	For Tinted Glass, Add	226.73	
	For Low-E Insulated Glass, Add	472.35	
	For Obscure Glass, Add	519.58	
08 53 13 00-0308	64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0309	EA 62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,966.64	108.52
	For Colored Vinyl, Add	174.96	
	For Tinted Glass, Add	209.95	
	For Low-E Insulated Glass, Add	437.40	
	For Obscure Glass, Add	481.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0310	EA		72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	2,058.29	115.30
			For Colored Vinyl, Add	182.77	
			For Tinted Glass, Add	219.32	
			For Low-E Insulated Glass, Add	456.92	
			For Obscure Glass, Add	502.61	
08 53 13 00-0311	EA		86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	2,238.75	124.80
			For Colored Vinyl, Add	198.92	
			For Tinted Glass, Add	238.70	
			For Low-E Insulated Glass, Add	497.29	
			For Obscure Glass, Add	547.02	
08 53 13 00-0312			72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)		
08 53 13 00-0313	EA		62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	2,076.16	113.26
			For Colored Vinyl, Add	184.96	
			For Tinted Glass, Add	221.96	
			For Low-E Insulated Glass, Add	462.41	
			For Obscure Glass, Add	508.65	
08 53 13 00-0314	EA		72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	2,167.82	120.05
			For Colored Vinyl, Add	192.77	
			For Tinted Glass, Add	231.33	
			For Low-E Insulated Glass, Add	481.93	
			For Obscure Glass, Add	530.12	
08 53 13 00-0315	EA		86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	2,348.27	129.54
			For Colored Vinyl, Add	208.92	
			For Tinted Glass, Add	250.70	
			For Low-E Insulated Glass, Add	522.30	
			For Obscure Glass, Add	574.52	
08 53 13 00-0316			Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0203)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317			One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0318	EA		Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	761.16	57.65
			For Colored Vinyl, Add	64.59	
			For Tinted Glass, Add	77.50	
			For Low-E Insulated Glass, Add	161.47	
			For Obscure Glass, Add	177.61	
08 53 13 00-0319	EA		>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	864.59	64.44
			For Colored Vinyl, Add	73.57	
			For Tinted Glass, Add	88.29	
			For Low-E Insulated Glass, Add	183.93	
			For Obscure Glass, Add	202.33	
08 53 13 00-0320	EA		>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	957.87	71.21
			For Colored Vinyl, Add	81.54	
			For Tinted Glass, Add	97.65	
			For Low-E Insulated Glass, Add	203.86	
			For Obscure Glass, Add	224.25	
08 53 13 00-0321	EA		>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,041.00	78.00
			For Colored Vinyl, Add	88.50	
			For Tinted Glass, Add	106.20	
			For Low-E Insulated Glass, Add	221.25	
			For Obscure Glass, Add	243.38	
08 53 13 00-0322	EA		>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,113.97	84.78
			For Colored Vinyl, Add	94.44	
			For Tinted Glass, Add	113.33	
			For Low-E Insulated Glass, Add	236.10	
			For Obscure Glass, Add	259.71	
08 53 13 00-0323	EA		>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,157.50	91.56
			For Colored Vinyl, Add	97.44	
			For Tinted Glass, Add	116.92	
			For Low-E Insulated Glass, Add	243.59	
			For Obscure Glass, Add	267.95	
08 53 13 00-0324	UI		>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	11.41	0.88
			For Colored Vinyl, Add	0.97	
			For Tinted Glass, Add	1.16	
			For Low-E Insulated Glass, Add	2.41	
			For Obscure Glass, Add	2.65	
08 53 13 00-0325			Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)		
08 53 13 00-0326	EA		Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,272.93	71.21
			For Colored Vinyl, Add	113.05	
			For Tinted Glass, Add	135.66	
			For Low-E Insulated Glass, Add	282.63	
			For Obscure Glass, Add	310.89	
08 53 13 00-0327	EA		>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,399.21	78.00
			For Colored Vinyl, Add	124.32	
			For Tinted Glass, Add	149.19	
			For Low-E Insulated Glass, Add	310.81	
			For Obscure Glass, Add	341.89	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 53 13 00-0328	EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,515.35		84.78
	For Colored Vinyl, Add	134.58		
	For Tinted Glass, Add	161.49		
	For Low-E Insulated Glass, Add	336.45		
	For Obscure Glass, Add	370.09		
08 53 13 00-0329	EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,593.40		91.56
	For Colored Vinyl, Add	141.03		
	For Tinted Glass, Add	169.23		
	For Low-E Insulated Glass, Add	352.57		
	For Obscure Glass, Add	387.82		
08 53 13 00-0330	EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,676.77		98.35
	For Colored Vinyl, Add	148.01		
	For Tinted Glass, Add	177.61		
	For Low-E Insulated Glass, Add	370.02		
	For Obscure Glass, Add	407.02		
08 53 13 00-0331	EA >110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,763.96		105.13
	For Colored Vinyl, Add	155.37		
	For Tinted Glass, Add	186.45		
	For Low-E Insulated Glass, Add	388.43		
	For Obscure Glass, Add	427.27		
08 53 13 00-0332	UI >120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	14.71		0.88
	For Colored Vinyl, Add	1.30		
	For Tinted Glass, Add	1.55		
	For Low-E Insulated Glass, Add	3.24		
	For Obscure Glass, Add	3.56		
08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)				
08 53 13 00-0334	EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,328.53		71.21
	For Colored Vinyl, Add	118.61		
	For Tinted Glass, Add	142.33		
	For Low-E Insulated Glass, Add	296.53		
	For Obscure Glass, Add	326.18		
08 53 13 00-0335	EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,460.90		78.00
	For Colored Vinyl, Add	130.49		
	For Tinted Glass, Add	156.59		
	For Low-E Insulated Glass, Add	326.23		
	For Obscure Glass, Add	358.85		
08 53 13 00-0336	EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,586.18		84.78
	For Colored Vinyl, Add	141.66		
	For Tinted Glass, Add	169.99		
	For Low-E Insulated Glass, Add	354.16		
	For Obscure Glass, Add	389.57		
08 53 13 00-0337	EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,670.33		91.56
	For Colored Vinyl, Add	148.72		
	For Tinted Glass, Add	178.46		
	For Low-E Insulated Glass, Add	371.80		
	For Obscure Glass, Add	408.98		
08 53 13 00-0338	EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,760.55		98.35
	For Colored Vinyl, Add	156.39		
	For Tinted Glass, Add	187.66		
	For Low-E Insulated Glass, Add	390.97		
	For Obscure Glass, Add	430.06		
08 53 13 00-0339	EA >110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,855.36		105.13
	For Colored Vinyl, Add	164.51		
	For Tinted Glass, Add	197.41		
	For Low-E Insulated Glass, Add	411.28		
	For Obscure Glass, Add	452.41		
08 53 13 00-0340	UI >120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	15.47		0.88
	For Colored Vinyl, Add	1.37		
	For Tinted Glass, Add	1.65		
	For Low-E Insulated Glass, Add	3.43		
	For Obscure Glass, Add	3.77		
08 53 13 00-0341 Awning Vinyl Windows (08 53 13)				
08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341)				
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.				
08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)				
08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)				
08 53 13 00-0345	EA 24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	767.09		55.62
	For Colored Vinyl, Add	65.59		
	For Tinted Glass, Add	78.70		
	For Low-E Insulated Glass, Add	163.97		
	For Obscure Glass, Add	180.36		
08 53 13 00-0346	EA 28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	802.98		58.33
	For Colored Vinyl, Add	68.63		
	For Tinted Glass, Add	82.36		
	For Low-E Insulated Glass, Add	171.58		
	For Obscure Glass, Add	188.74		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0347	EA	36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	858.18	63.08	
		For Colored Vinyl, Add	73.20		
		For Tinted Glass, Add	87.84		
		For Low-E Insulated Glass, Add	183.01		
		For Obscure Glass, Add	201.31		
08 53 13 00-0348	EA	40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	893.69	66.47	
		For Colored Vinyl, Add	76.08		
		For Tinted Glass, Add	91.29		
		For Low-E Insulated Glass, Add	190.19		
		For Obscure Glass, Add	209.21		
08 53 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	951.97	71.90	
		For Colored Vinyl, Add	80.82		
		For Tinted Glass, Add	96.98		
		For Low-E Insulated Glass, Add	202.05		
		For Obscure Glass, Add	222.25		
08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)					
08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	809.24	58.33	
		For Colored Vinyl, Add	69.39		
		For Tinted Glass, Add	83.27		
		For Low-E Insulated Glass, Add	173.49		
		For Obscure Glass, Add	190.83		
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	845.13	61.05	
		For Colored Vinyl, Add	72.44		
		For Tinted Glass, Add	86.93		
		For Low-E Insulated Glass, Add	181.10		
		For Obscure Glass, Add	199.21		
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	904.54	65.11	
		For Colored Vinyl, Add	77.43		
		For Tinted Glass, Add	92.92		
		For Low-E Insulated Glass, Add	193.58		
		For Obscure Glass, Add	212.94		
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	940.12	69.18	
		For Colored Vinyl, Add	80.31		
		For Tinted Glass, Add	96.37		
		For Low-E Insulated Glass, Add	200.78		
		For Obscure Glass, Add	220.86		
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,002.55	73.93	
		For Colored Vinyl, Add	85.47		
		For Tinted Glass, Add	102.56		
		For Low-E Insulated Glass, Add	213.67		
		For Obscure Glass, Add	235.04		
08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)					
08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	835.78	61.05	
		For Colored Vinyl, Add	71.51		
		For Tinted Glass, Add	85.81		
		For Low-E Insulated Glass, Add	178.77		
		For Obscure Glass, Add	196.64		
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	871.69	63.75	
		For Colored Vinyl, Add	74.55		
		For Tinted Glass, Add	89.46		
		For Low-E Insulated Glass, Add	186.38		
		For Obscure Glass, Add	205.02		
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	933.22	67.82	
		For Colored Vinyl, Add	79.76		
		For Tinted Glass, Add	95.71		
		For Low-E Insulated Glass, Add	199.39		
		For Obscure Glass, Add	219.33		
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	972.19	71.90	
		For Colored Vinyl, Add	82.98		
		For Tinted Glass, Add	99.57		
		For Low-E Insulated Glass, Add	207.44		
		For Obscure Glass, Add	228.18		
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,035.49	76.64	
		For Colored Vinyl, Add	88.22		
		For Tinted Glass, Add	105.87		
		For Low-E Insulated Glass, Add	220.55		
		For Obscure Glass, Add	242.61		
08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)					
08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	862.40	63.75	
		For Colored Vinyl, Add	73.62		
		For Tinted Glass, Add	88.35		
		For Low-E Insulated Glass, Add	184.06		
		For Obscure Glass, Add	202.47		
08 53 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	898.28	66.47	
		For Colored Vinyl, Add	76.67		
		For Tinted Glass, Add	92.00		
		For Low-E Insulated Glass, Add	191.68		
		For Obscure Glass, Add	210.84		

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 53 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	961.95		70.54
		For Colored Vinyl, Add	82.09		
		For Tinted Glass, Add	98.51		
		For Low-E Insulated Glass, Add	205.22		
		For Obscure Glass, Add	225.74		
08 53 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	1,004.08		74.60
		For Colored Vinyl, Add	85.62		
		For Tinted Glass, Add	102.75		
		For Low-E Insulated Glass, Add	214.06		
		For Obscure Glass, Add	235.46		
08 53 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	1,068.44		79.35
		For Colored Vinyl, Add	90.97		
		For Tinted Glass, Add	109.17		
		For Low-E Insulated Glass, Add	227.43		
		For Obscure Glass, Add	250.18		
08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)					
08 53 13 00-0369	EA	36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	1,017.96		75.29
		For Colored Vinyl, Add	86.74		
		For Tinted Glass, Add	104.09		
		For Low-E Insulated Glass, Add	216.85		
		For Obscure Glass, Add	238.53		
08 53 13 00-0370	EA	40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	1,060.13		78.68
		For Colored Vinyl, Add	90.28		
		For Tinted Glass, Add	108.33		
		For Low-E Insulated Glass, Add	225.70		
		For Obscure Glass, Add	248.26		
08 53 13 00-0371	EA	48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	1,128.71		84.10
		For Colored Vinyl, Add	96.05		
		For Tinted Glass, Add	115.26		
		For Low-E Insulated Glass, Add	240.13		
		For Obscure Glass, Add	264.14		
08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400) (08 53 13 00-0341)					
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).					
08 53 13 00-0373	EA	Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	801.52		57.65
		For Colored Vinyl, Add	68.62		
		For Tinted Glass, Add	82.35		
		For Low-E Insulated Glass, Add	171.56		
		For Obscure Glass, Add	188.71		
08 53 13 00-0374	EA	>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	928.56		64.44
		For Colored Vinyl, Add	79.97		
		For Tinted Glass, Add	95.96		
		For Low-E Insulated Glass, Add	199.93		
		For Obscure Glass, Add	219.92		
08 53 13 00-0375	EA	>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	1,050.54		71.21
		For Colored Vinyl, Add	90.81		
		For Tinted Glass, Add	108.97		
		For Low-E Insulated Glass, Add	227.03		
		For Obscure Glass, Add	249.73		
08 53 13 00-0376	EA	>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	1,167.43		78.00
		For Colored Vinyl, Add	101.14		
		For Tinted Glass, Add	121.37		
		For Low-E Insulated Glass, Add	252.86		
		For Obscure Glass, Add	278.15		
08 53 13 00-0377	EA	>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	1,279.25		84.78
		For Colored Vinyl, Add	110.97		
		For Tinted Glass, Add	133.16		
		For Low-E Insulated Glass, Add	277.42		
		For Obscure Glass, Add	305.16		
08 53 13 00-0378	EA	>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	1,336.99		91.56
		For Colored Vinyl, Add	115.39		
		For Tinted Glass, Add	138.46		
		For Low-E Insulated Glass, Add	288.47		
		For Obscure Glass, Add	317.31		
08 53 13 00-0379	UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	13.18		0.88
		For Colored Vinyl, Add	1.14		
		For Tinted Glass, Add	1.37		
		For Low-E Insulated Glass, Add	2.86		
		For Obscure Glass, Add	3.14		
08 53 13 00-0380 Horizontal Sliding Vinyl Windows (08 53 13)					
08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0380)					
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.					
08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	438.11		66.47
		For Colored Vinyl, Add	30.65		
		For Tinted Glass, Add	36.78		
		For Low-E Insulated Glass, Add	76.63		
		For Obscure Glass, Add	84.30		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
08 53 13 00-0384	EA		48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	484.45	74.60
			For Colored Vinyl, Add	33.66	
			For Tinted Glass, Add	40.39	
			For Low-E Insulated Glass, Add	84.15	
			For Obscure Glass, Add	92.56	
08 53 13 00-0385	EA		54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	507.61	78.00
			For Colored Vinyl, Add	35.16	
			For Tinted Glass, Add	42.19	
			For Low-E Insulated Glass, Add	87.91	
			For Obscure Glass, Add	96.70	
08 53 13 00-0386	EA		60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	530.78	82.07
			For Colored Vinyl, Add	36.67	
			For Tinted Glass, Add	44.00	
			For Low-E Insulated Glass, Add	91.66	
			For Obscure Glass, Add	100.83	
08 53 13 00-0387	EA		64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	546.21	85.45
			For Colored Vinyl, Add	37.67	
			For Tinted Glass, Add	45.20	
			For Low-E Insulated Glass, Add	94.16	
			For Obscure Glass, Add	103.58	
08 53 13 00-0388	EA		72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	577.11	90.20
			For Colored Vinyl, Add	39.67	
			For Tinted Glass, Add	47.60	
			For Low-E Insulated Glass, Add	99.18	
			For Obscure Glass, Add	109.09	
08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0390	EA		36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	460.45	69.18
			For Colored Vinyl, Add	32.34	
			For Tinted Glass, Add	38.81	
			For Low-E Insulated Glass, Add	80.86	
			For Obscure Glass, Add	88.95	
08 53 13 00-0391	EA		48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	508.15	77.32
			For Colored Vinyl, Add	35.49	
			For Tinted Glass, Add	42.58	
			For Low-E Insulated Glass, Add	88.72	
			For Obscure Glass, Add	97.59	
08 53 13 00-0392	EA		54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	532.18	80.71
			For Colored Vinyl, Add	37.08	
			For Tinted Glass, Add	44.49	
			For Low-E Insulated Glass, Add	92.69	
			For Obscure Glass, Add	101.96	
08 53 13 00-0393	EA		60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	555.91	84.78
			For Colored Vinyl, Add	38.64	
			For Tinted Glass, Add	46.36	
			For Low-E Insulated Glass, Add	96.59	
			For Obscure Glass, Add	106.25	
08 53 13 00-0394	EA		64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	571.79	88.17
			For Colored Vinyl, Add	39.68	
			For Tinted Glass, Add	47.62	
			For Low-E Insulated Glass, Add	99.20	
			For Obscure Glass, Add	109.12	
08 53 13 00-0395	EA		72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	603.61	92.92
			For Colored Vinyl, Add	41.78	
			For Tinted Glass, Add	50.13	
			For Low-E Insulated Glass, Add	104.45	
			For Obscure Glass, Add	114.89	
08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0397	EA		36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	527.90	77.32
			For Colored Vinyl, Add	37.46	
			For Tinted Glass, Add	44.95	
			For Low-E Insulated Glass, Add	93.66	
			For Obscure Glass, Add	103.02	
08 53 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	580.02	85.45
			For Colored Vinyl, Add	41.05	
			For Tinted Glass, Add	49.26	
			For Low-E Insulated Glass, Add	102.62	
			For Obscure Glass, Add	112.88	
08 53 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	606.14	88.85
			For Colored Vinyl, Add	42.84	
			For Tinted Glass, Add	51.41	
			For Low-E Insulated Glass, Add	107.11	
			For Obscure Glass, Add	117.82	
08 53 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	632.19	92.92
			For Colored Vinyl, Add	44.64	
			For Tinted Glass, Add	53.56	
			For Low-E Insulated Glass, Add	111.59	
			For Obscure Glass, Add	122.75	
08 53 13 00-0401	EA		64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	649.60	94.96
			For Colored Vinyl, Add	45.83	
			For Tinted Glass, Add	55.00	
			For Low-E Insulated Glass, Add	114.59	
			For Obscure Glass, Add	126.04	

08 Openings**08 50 Windows****08 53 Plastic Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 53 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	684.38		101.05
		For Colored Vinyl, Add	48.23		
		For Tinted Glass, Add	57.87		
		For Low-E Insulated Glass, Add	120.57		
		For Obscure Glass, Add	132.62		
08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	561.63		81.39
		For Colored Vinyl, Add	40.02		
		For Tinted Glass, Add	48.03		
		For Low-E Insulated Glass, Add	100.05		
		For Obscure Glass, Add	110.06		
08 53 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	615.99		89.53
		For Colored Vinyl, Add	43.83		
		For Tinted Glass, Add	52.59		
		For Low-E Insulated Glass, Add	109.57		
		For Obscure Glass, Add	120.53		
08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	643.21		92.92
		For Colored Vinyl, Add	45.74		
		For Tinted Glass, Add	54.89		
		For Low-E Insulated Glass, Add	114.35		
		For Obscure Glass, Add	125.78		
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	670.40		96.99
		For Colored Vinyl, Add	47.64		
		For Tinted Glass, Add	57.17		
		For Low-E Insulated Glass, Add	119.11		
		For Obscure Glass, Add	131.02		
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	688.46		100.38
		For Colored Vinyl, Add	48.91		
		For Tinted Glass, Add	58.69		
		For Low-E Insulated Glass, Add	122.27		
		For Obscure Glass, Add	134.49		
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	724.75		105.13
		For Colored Vinyl, Add	51.45		
		For Tinted Glass, Add	61.74		
		For Low-E Insulated Glass, Add	128.63		
		For Obscure Glass, Add	141.49		
08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	572.87		82.75
		For Colored Vinyl, Add	40.87		
		For Tinted Glass, Add	49.05		
		For Low-E Insulated Glass, Add	102.19		
		For Obscure Glass, Add	112.40		
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	627.99		90.89
		For Colored Vinyl, Add	44.76		
		For Tinted Glass, Add	53.71		
		For Low-E Insulated Glass, Add	111.90		
		For Obscure Glass, Add	123.08		
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	655.53		94.27
		For Colored Vinyl, Add	46.70		
		For Tinted Glass, Add	56.04		
		For Low-E Insulated Glass, Add	116.75		
		For Obscure Glass, Add	128.42		
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	683.10		98.35
		For Colored Vinyl, Add	48.64		
		For Tinted Glass, Add	58.37		
		For Low-E Insulated Glass, Add	121.61		
		For Obscure Glass, Add	133.77		
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	701.49		101.74
		For Colored Vinyl, Add	49.94		
		For Tinted Glass, Add	59.92		
		For Low-E Insulated Glass, Add	124.84		
		For Obscure Glass, Add	137.33		
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	738.19		106.48
		For Colored Vinyl, Add	52.52		
		For Tinted Glass, Add	63.03		
		For Low-E Insulated Glass, Add	131.31		
		For Obscure Glass, Add	144.44		
08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	584.12		84.10
		For Colored Vinyl, Add	41.73		
		For Tinted Glass, Add	50.07		
		For Low-E Insulated Glass, Add	104.32		
		For Obscure Glass, Add	114.75		
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	639.95		92.24
		For Colored Vinyl, Add	45.68		
		For Tinted Glass, Add	54.82		
		For Low-E Insulated Glass, Add	114.21		
		For Obscure Glass, Add	125.63		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	667.88	95.63	
		For Colored Vinyl, Add	47.66		
		For Tinted Glass, Add	57.19		
		For Low-E Insulated Glass, Add	119.16		
		For Obscure Glass, Add	131.07		
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	695.78	99.71	
		For Colored Vinyl, Add	49.64		
		For Tinted Glass, Add	59.57		
		For Low-E Insulated Glass, Add	124.10		
		For Obscure Glass, Add	136.50		
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	714.41	103.09	
		For Colored Vinyl, Add	50.96		
		For Tinted Glass, Add	61.15		
		For Low-E Insulated Glass, Add	127.40		
		For Obscure Glass, Add	140.13		
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	751.66	107.84	
		For Colored Vinyl, Add	53.60		
		For Tinted Glass, Add	64.32		
		For Low-E Insulated Glass, Add	134.00		
		For Obscure Glass, Add	147.39		
08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	595.36	85.45	
		For Colored Vinyl, Add	42.58		
		For Tinted Glass, Add	51.10		
		For Low-E Insulated Glass, Add	106.45		
		For Obscure Glass, Add	117.10		
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	651.94	93.60	
		For Colored Vinyl, Add	46.61		
		For Tinted Glass, Add	55.93		
		For Low-E Insulated Glass, Add	116.53		
		For Obscure Glass, Add	128.18		
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	680.25	96.99	
		For Colored Vinyl, Add	48.63		
		For Tinted Glass, Add	58.35		
		For Low-E Insulated Glass, Add	121.57		
		For Obscure Glass, Add	133.72		
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	708.50	101.05	
		For Colored Vinyl, Add	50.64		
		For Tinted Glass, Add	60.77		
		For Low-E Insulated Glass, Add	126.60		
		For Obscure Glass, Add	139.25		
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	727.37	104.45	
		For Colored Vinyl, Add	51.98		
		For Tinted Glass, Add	62.38		
		For Low-E Insulated Glass, Add	129.96		
		For Obscure Glass, Add	142.95		
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	765.13	109.20	
		For Colored Vinyl, Add	54.67		
		For Tinted Glass, Add	65.61		
		For Low-E Insulated Glass, Add	136.69		
		For Obscure Glass, Add	150.35		
08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) (08 53 13 00-0381)					
08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	606.61	86.81	
		For Colored Vinyl, Add	43.43		
		For Tinted Glass, Add	52.12		
		For Low-E Insulated Glass, Add	108.58		
		For Obscure Glass, Add	119.44		
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	663.90	94.96	
		For Colored Vinyl, Add	47.54		
		For Tinted Glass, Add	57.04		
		For Low-E Insulated Glass, Add	118.84		
		For Obscure Glass, Add	130.72		
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	692.55	98.35	
		For Colored Vinyl, Add	49.59		
		For Tinted Glass, Add	59.50		
		For Low-E Insulated Glass, Add	123.97		
		For Obscure Glass, Add	136.36		
08 53 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	721.21	102.41	
		For Colored Vinyl, Add	51.64		
		For Tinted Glass, Add	61.97		
		For Low-E Insulated Glass, Add	129.10		
		For Obscure Glass, Add	142.00		
08 53 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	740.34	105.81	
		For Colored Vinyl, Add	53.01		
		For Tinted Glass, Add	63.61		
		For Low-E Insulated Glass, Add	132.52		
		For Obscure Glass, Add	145.77		
08 53 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	778.56	110.56	
		For Colored Vinyl, Add	55.75		
		For Tinted Glass, Add	66.90		
		For Low-E Insulated Glass, Add	139.37		
		For Obscure Glass, Add	153.30		

08 Openings**08 50 Windows****08 53 Plastic Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 53 13 00-0438 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)
(08 53 13 00-0381)

08 53 13 00-0439	EA 36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	617.84	88.17
	For Colored Vinyl, Add	44.29	
	For Tinted Glass, Add	53.14	
	For Low-E Insulated Glass, Add	110.72	
	For Obscure Glass, Add	121.79	
08 53 13 00-0440	EA 48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	675.91	96.31
	For Colored Vinyl, Add	48.47	
	For Tinted Glass, Add	58.16	
	For Low-E Insulated Glass, Add	121.16	
	For Obscure Glass, Add	133.28	
08 53 13 00-0441	EA 54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	704.91	99.71
	For Colored Vinyl, Add	50.55	
	For Tinted Glass, Add	60.66	
	For Low-E Insulated Glass, Add	126.38	
	For Obscure Glass, Add	139.02	
08 53 13 00-0442	EA 60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	733.97	103.77
	For Colored Vinyl, Add	52.64	
	For Tinted Glass, Add	63.17	
	For Low-E Insulated Glass, Add	131.61	
	For Obscure Glass, Add	144.77	
08 53 13 00-0443	EA 64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	753.32	107.16
	For Colored Vinyl, Add	54.04	
	For Tinted Glass, Add	64.84	
	For Low-E Insulated Glass, Add	135.09	
	For Obscure Glass, Add	148.60	
08 53 13 00-0444	EA 72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	792.04	111.90
	For Colored Vinyl, Add	56.82	
	For Tinted Glass, Add	68.19	
	For Low-E Insulated Glass, Add	142.06	
	For Obscure Glass, Add	156.26	

08 53 13 00-0445 54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)
(08 53 13 00-0381)

08 53 13 00-0446	EA 36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	629.09	89.53
	For Colored Vinyl, Add	45.14	
	For Tinted Glass, Add	54.17	
	For Low-E Insulated Glass, Add	112.85	
	For Obscure Glass, Add	124.13	
08 53 13 00-0447	EA 48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	687.87	97.66
	For Colored Vinyl, Add	49.39	
	For Tinted Glass, Add	59.27	
	For Low-E Insulated Glass, Add	123.47	
	For Obscure Glass, Add	135.82	
08 53 13 00-0448	EA 54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	717.28	101.05
	For Colored Vinyl, Add	51.52	
	For Tinted Glass, Add	61.82	
	For Low-E Insulated Glass, Add	128.79	
	For Obscure Glass, Add	141.67	
08 53 13 00-0449	EA 60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	746.69	105.13
	For Colored Vinyl, Add	53.64	
	For Tinted Glass, Add	64.37	
	For Low-E Insulated Glass, Add	134.11	
	For Obscure Glass, Add	147.52	
08 53 13 00-0450	EA 64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	766.28	108.52
	For Colored Vinyl, Add	55.06	
	For Tinted Glass, Add	66.07	
	For Low-E Insulated Glass, Add	137.65	
	For Obscure Glass, Add	151.42	
08 53 13 00-0451	EA 72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	805.47	113.26
	For Colored Vinyl, Add	57.89	
	For Tinted Glass, Add	69.47	
	For Low-E Insulated Glass, Add	144.74	
	For Obscure Glass, Add	159.21	

08 53 13 00-0452 60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)
(08 53 13 00-0381)

08 53 13 00-0453	EA 36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	685.30	93.60
	For Colored Vinyl, Add	49.95	
	For Tinted Glass, Add	59.94	
	For Low-E Insulated Glass, Add	124.87	
	For Obscure Glass, Add	137.35	
08 53 13 00-0454	EA 48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	723.83	101.74
	For Colored Vinyl, Add	52.17	
	For Tinted Glass, Add	62.61	
	For Low-E Insulated Glass, Add	130.43	
	For Obscure Glass, Add	143.47	
08 53 13 00-0455	EA 54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	754.35	105.13
	For Colored Vinyl, Add	54.41	
	For Tinted Glass, Add	65.29	
	For Low-E Insulated Glass, Add	136.03	
	For Obscure Glass, Add	149.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0456	EA		60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	784.83	109.20
			For Colored Vinyl, Add	56.64	
			For Tinted Glass, Add	67.97	
			For Low-E Insulated Glass, Add	141.61	
			For Obscure Glass, Add	155.77	
08 53 13 00-0457	EA		64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	805.19	112.59
			For Colored Vinyl, Add	58.14	
			For Tinted Glass, Add	69.76	
			For Low-E Insulated Glass, Add	145.34	
			For Obscure Glass, Add	159.88	
08 53 13 00-0458	EA		72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	845.85	117.33
			For Colored Vinyl, Add	61.12	
			For Tinted Glass, Add	73.34	
			For Low-E Insulated Glass, Add	152.80	
			For Obscure Glass, Add	168.07	
08 53 13 00-0459			Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) (08 53 13 00-0380)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	716.95	71.21
			For Colored Vinyl, Add	57.45	
			For Tinted Glass, Add	68.94	
			For Low-E Insulated Glass, Add	143.63	
			For Obscure Glass, Add	157.99	
08 53 13 00-0461	EA		>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	788.14	78.00
			For Colored Vinyl, Add	63.22	
			For Tinted Glass, Add	75.86	
			For Low-E Insulated Glass, Add	158.04	
			For Obscure Glass, Add	173.84	
08 53 13 00-0462	EA		>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	854.26	84.78
			For Colored Vinyl, Add	68.47	
			For Tinted Glass, Add	82.16	
			For Low-E Insulated Glass, Add	171.18	
			For Obscure Glass, Add	188.29	
08 53 13 00-0463	EA		>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	901.09	91.56
			For Colored Vinyl, Add	71.80	
			For Tinted Glass, Add	86.16	
			For Low-E Insulated Glass, Add	179.49	
			For Obscure Glass, Add	197.44	
08 53 13 00-0464	EA		>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	950.69	98.35
			For Colored Vinyl, Add	75.40	
			For Tinted Glass, Add	90.48	
			For Low-E Insulated Glass, Add	188.50	
			For Obscure Glass, Add	207.35	
08 53 13 00-0465	EA		>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	1,032.80	105.13
			For Colored Vinyl, Add	82.26	
			For Tinted Glass, Add	98.71	
			For Low-E Insulated Glass, Add	205.64	
			For Obscure Glass, Add	226.20	
08 53 13 00-0466	UI		>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700).....	8.61	0.88
			For Colored Vinyl, Add	0.69	
			For Tinted Glass, Add	0.82	
			For Low-E Insulated Glass, Add	1.71	
			For Obscure Glass, Add	1.88	
08 53 13 00-0467			Basement Vinyl Windows (08 53 13)		
08 53 13 00-0468			New Construction, Basement Vinyl Windows (Silver Line 5900) (08 53 13 00-0467)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469	EA		32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	413.17	54.26
			For Colored Vinyl, Add	30.47	
			For Tinted Glass, Add	36.56	
			For Low-E Insulated Glass, Add	76.16	
			For Obscure Glass, Add	83.78	
08 53 13 00-0470	EA		32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	448.71	54.26
			For Colored Vinyl, Add	34.02	
			For Tinted Glass, Add	40.82	
			For Low-E Insulated Glass, Add	85.05	
			For Obscure Glass, Add	93.55	
08 53 13 00-0471	EA		32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	469.02	54.26
			For Colored Vinyl, Add	36.05	
			For Tinted Glass, Add	43.26	
			For Low-E Insulated Glass, Add	90.13	
			For Obscure Glass, Add	99.14	
08 53 13 00-0472			Replacement, Basement Vinyl Windows (08 53 13 00-0467)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473	EA		Up To 47" UI, Replacement, Basement Vinyl Window.....	537.40	52.90
			For Colored Vinyl, Add	43.16	
			For Tinted Glass, Add	51.79	
			For Low-E Insulated Glass, Add	107.90	
			For Obscure Glass, Add	118.69	

08 Openings**08 50 Windows****08 53 Plastic Windows**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 53 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Vinyl Window	596.83	61.05
		For Colored Vinyl, Add	47.48	
		For Tinted Glass, Add	56.97	
		For Low-E Insulated Glass, Add	118.69	
		For Obscure Glass, Add	130.56	
08 53 13 00-0475	UI	>55" UI, Replacement, Basement Vinyl Window	10.39	0.88
		For Colored Vinyl, Add	0.86	
		For Tinted Glass, Add	1.04	
		For Low-E Insulated Glass, Add	2.16	
		For Obscure Glass, Add	2.37	

08 53 13 00-0476 Accessories For Vinyl Windows (08 53 13)**08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows (08 53 13 00-0476)****08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)**

08 53 13 00-0479	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	71.08	
08 53 13 00-0480	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	91.39	
08 53 13 00-0481	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	117.71	
08 53 13 00-0482	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	138.94	
08 53 13 00-0483	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	170.79	

08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows (08 53 13 00-0477)

08 53 13 00-0485	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	161.56	
08 53 13 00-0486	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	193.87	
08 53 13 00-0487	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	244.64	
08 53 13 00-0488	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	304.65	
08 53 13 00-0489	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	364.66	

08 53 66 Vinyl Window Screens (08 53)**08 53 66 00-0001 Insect Screens For Vinyl Windows (08 53 66)**

08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows	64.63	9.24
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows	92.32	9.24
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows	101.56	9.24
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows	120.02	9.24
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows	161.56	9.24
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows	180.03	9.24
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows	207.72	9.24
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows	226.19	9.24
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows	6.92	0.18

08 56 Special Function Windows (08 50)**08 56 19 Pass Windows (08 56)****08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)**

Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,838.15	687.22
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	45.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	295.00	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,331.44	744.48
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	60.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	370.00	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,606.08	801.76
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	70.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	445.00	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	7,018.61	916.29
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	100.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	650.00	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	9,463.40	1,374.44
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	150.00	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	975.00	

08 56 49 Radiation Shielding Windows (08 56)**08 56 49 00-0001 Lead Lined Window Frames (08 56 49)**

08 56 49 00-0002	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame	55.25	10.18
08 56 49 00-0003	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame	62.18	10.18

08 56 56 Security Window Screens (08 56)

Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen (08 56 56)**08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)**

		Openings	08	08
		Windows	08 50	
		Special Function Windows	08 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0003	SF		13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	36.18	5.16
			For Painted Steel, Add	2.93	
			For Galvanized Steel, Add	5.86	
			For Aluminum, Add	11.72	
			For Stainless Steel, Add	51.29	
08 56 56 00-0004	SF		11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	37.02	5.16
			For Painted Steel, Add	3.02	
			For Galvanized Steel, Add	6.03	
			For Aluminum, Add	12.06	
			For Stainless Steel, Add	52.76	
08 56 56 00-0005	SF		9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	40.89	5.16
			For Painted Steel, Add	3.40	
			For Galvanized Steel, Add	6.80	
			For Aluminum, Add	13.61	
			For Stainless Steel, Add	59.54	
08 56 56 00-0006	SF		6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	49.16	5.16
			For Painted Steel, Add	4.23	
			For Galvanized Steel, Add	8.46	
			For Aluminum, Add	16.92	
			For Stainless Steel, Add	74.01	
08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)					
08 56 56 00-0008	SF		13 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	50.91	6.30
			For Painted Steel, Add	4.18	
			For Galvanized Steel, Add	8.35	
			For Aluminum, Add	16.70	
			For Stainless Steel, Add	73.06	
08 56 56 00-0009	SF		11 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	52.18	6.30
			For Painted Steel, Add	4.30	
			For Galvanized Steel, Add	8.60	
			For Aluminum, Add	17.21	
			For Stainless Steel, Add	75.29	
08 56 56 00-0010	SF		9 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	57.73	6.30
			For Painted Steel, Add	4.86	
			For Galvanized Steel, Add	9.71	
			For Aluminum, Add	19.43	
			For Stainless Steel, Add	85.00	
08 56 56 00-0011	SF		6 Gauge, Wire Mesh, Operable, Steel Security Window Screen.....	69.33	6.30
			For Painted Steel, Add	6.02	
			For Galvanized Steel, Add	12.03	
			For Aluminum, Add	24.07	
			For Stainless Steel, Add	105.30	
08 56 56 00-0012 Wire Cloth Security Screen (08 56 56)					
Note: Wire cloth has from 10 to 12 strands per 1".					
08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens (08 56 56 00-0012)					
08 56 56 00-0014	SF		24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	23.21	3.43
			For Painted Steel, Add	0.87	
			For Galvanized Steel, Add	2.62	
			For Aluminum, Add	5.24	
			For Stainless Steel, Add	21.85	
08 56 56 00-0015	SF		22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	24.39	3.43
			For Painted Steel, Add	0.93	
			For Galvanized Steel, Add	2.80	
			For Aluminum, Add	5.60	
			For Stainless Steel, Add	23.33	
08 56 56 00-0016	SF		20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	26.23	3.43
			For Painted Steel, Add	1.03	
			For Galvanized Steel, Add	3.08	
			For Aluminum, Add	6.15	
			For Stainless Steel, Add	25.63	
08 56 56 00-0017	SF		18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen.....	29.76	3.43
			For Painted Steel, Add	1.20	
			For Galvanized Steel, Add	3.60	
			For Aluminum, Add	7.21	
			For Stainless Steel, Add	30.04	
08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens (08 56 56 00-0012)					
08 56 56 00-0019	SF		24 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	31.78	4.58
			For Painted Steel, Add	1.25	
			For Galvanized Steel, Add	3.74	
			For Aluminum, Add	7.47	
			For Stainless Steel, Add	31.14	
08 56 56 00-0020	SF		22 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	33.59	4.58
			For Painted Steel, Add	1.34	
			For Galvanized Steel, Add	4.01	
			For Aluminum, Add	8.02	
			For Stainless Steel, Add	33.40	
08 56 56 00-0021	SF		20 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	36.11	4.58
			For Painted Steel, Add	1.46	
			For Galvanized Steel, Add	4.39	
			For Aluminum, Add	8.77	
			For Stainless Steel, Add	36.55	

08 Openings**08 50 Windows****08 56 Special Function Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	41.16	4.58
		For Painted Steel, Add	1.71	
		For Galvanized Steel, Add	5.14	
		For Aluminum, Add	10.29	
		For Stainless Steel, Add	42.86	

08 56 56 00-0023 Expanded Metal Security Screen (08 56 56)

Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.

08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen (08 56 56 00-0023)

08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen.....	44.43	8.59
		For Painted Steel, Add	1.71	
		For Galvanized Steel, Add	5.12	
		For Aluminum, Add	10.24	
		For Stainless Steel, Add	42.65	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	51.59	10.31
		For Painted Steel, Add	1.95	
		For Galvanized Steel, Add	5.85	
		For Aluminum, Add	11.70	
		For Stainless Steel, Add	48.74	
08 56 56 00-0027	SF	3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen.....	57.41	12.60
		For Painted Steel, Add	2.13	
		For Galvanized Steel, Add	6.38	
		For Aluminum, Add	12.76	
		For Stainless Steel, Add	53.15	
08 56 56 00-0028	SF	3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	66.90	14.89
		For Painted Steel, Add	2.43	
		For Galvanized Steel, Add	7.29	
		For Aluminum, Add	14.57	
		For Stainless Steel, Add	60.71	
08 56 56 00-0029	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	62.22	14.32
		For Painted Steel, Add	2.25	
		For Galvanized Steel, Add	6.76	
		For Aluminum, Add	13.51	
		For Stainless Steel, Add	56.30	
08 56 56 00-0030	SF	3 Lb./SF, Expanded Metal, Inoperable, Steel Security Window Screen	78.40	18.33
		For Painted Steel, Add	2.83	
		For Galvanized Steel, Add	8.50	
		For Aluminum, Add	16.99	
		For Stainless Steel, Add	70.80	

08 56 56 00-0031 Expanded Metal, Operable, Security Screen (08 56 56 00-0023)

08 56 56 00-0032	SF	1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	40.55	10.31
		For Painted Steel, Add	1.40	
		For Galvanized Steel, Add	4.19	
		For Aluminum, Add	8.39	
		For Stainless Steel, Add	34.94	
08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	70.52	12.60
		For Painted Steel, Add	2.78	
		For Galvanized Steel, Add	8.34	
		For Aluminum, Add	16.69	
		For Stainless Steel, Add	69.54	
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	77.85	14.32
		For Painted Steel, Add	3.03	
		For Galvanized Steel, Add	9.10	
		For Aluminum, Add	18.20	
		For Stainless Steel, Add	75.84	
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen.....	83.67	16.03
		For Painted Steel, Add	3.21	
		For Galvanized Steel, Add	9.63	
		For Aluminum, Add	19.26	
		For Stainless Steel, Add	80.25	
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	90.97	18.33
		For Painted Steel, Add	3.46	
		For Galvanized Steel, Add	10.38	
		For Aluminum, Add	20.76	
		For Stainless Steel, Add	86.51	
08 56 56 00-0037	SF	3 Lb./SF, Expanded Metal, Operable, Steel Security Window Screen.....	104.72	20.04
		For Painted Steel, Add	4.03	
		For Galvanized Steel, Add	12.10	
		For Aluminum, Add	24.20	
		For Stainless Steel, Add	100.84	

08 56 56 00-0038 Perforated Metal Security Screen (08 56 56)**08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0038)**

08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	40.82	5.16
		For Painted Steel, Add	1.70	
		For Galvanized Steel, Add	5.09	
		For Aluminum, Add	10.19	
		For Stainless Steel, Add	33.95	
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	42.16	5.16
		For Painted Steel, Add	1.76	
		For Galvanized Steel, Add	5.29	
		For Aluminum, Add	10.59	
		For Stainless Steel, Add	35.29	

			Openings	08	08
			Windows	08 50	
			Special Function Windows	08 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0042	SF		18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	46.70	5.16
			For Painted Steel, Add	1.99	
			For Galvanized Steel, Add	5.97	
			For Aluminum, Add	11.95	
			For Stainless Steel, Add	39.83	
08 56 56 00-0043	SF		16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	55.27	5.16
			For Painted Steel, Add	2.42	
			For Galvanized Steel, Add	7.26	
			For Aluminum, Add	14.52	
			For Stainless Steel, Add	48.40	
08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)					
08 56 56 00-0045	SF		22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	57.39	6.30
			For Painted Steel, Add	2.41	
			For Galvanized Steel, Add	7.23	
			For Aluminum, Add	14.47	
			For Stainless Steel, Add	48.23	
08 56 56 00-0046	SF		20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	59.75	6.30
			For Painted Steel, Add	2.53	
			For Galvanized Steel, Add	7.59	
			For Aluminum, Add	15.18	
			For Stainless Steel, Add	50.59	
08 56 56 00-0047	SF		18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	65.63	6.30
			For Painted Steel, Add	2.82	
			For Galvanized Steel, Add	8.47	
			For Aluminum, Add	16.94	
			For Stainless Steel, Add	56.47	
08 56 56 00-0048	SF		16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	77.90	6.30
			For Painted Steel, Add	3.44	
			For Galvanized Steel, Add	10.31	
			For Aluminum, Add	20.62	
			For Stainless Steel, Add	68.74	
08 56 56 00-0049 Removal And Reinstallation Of Security Screens And Guards (08 56 56)					
Note: Includes storage, cleaning and supply materials.					
08 56 56 00-0050	SF		Removal And Reinstallation Of Security Screens	14.43	

08 60 Roof Windows and Skylights (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

08 62 Unit Skylights (08 60)

08 62 23 Tubular Skylights (08 62)

08 62 23 00-0001 Aluminum Framed Solar Tube Skylights (08 62 23)

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)

08 62 23 00-0003	EA		2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,442.36	244.28
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	1,066.84	
08 62 23 00-0004	EA		3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,520.98	250.39
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	1,068.06	
08 62 23 00-0005	EA		4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,597.37	256.49
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	1,069.28	

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,704.74	262.60
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,070.50	
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,798.84	268.72
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,071.72	
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,875.23	274.82
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,072.94	
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,951.61	280.93
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,074.17	
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,076.70	287.04
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,075.39	
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,153.09	293.14
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,076.61	
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,231.69	299.25
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,077.83	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,308.08	305.36
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,079.05	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,433.15	311.46
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,080.27	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,509.55	317.57
		For Class 3 Hail Rated, Add	4.00	
		For Polycarbonate Diffuser Lens, Add	7.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	20.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
		For Single Blade Louver, Add	1,081.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0016	EA		15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,585.94	323.67
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	1,082.72	
08 62 23 00-0017	EA		16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,662.33	329.78
			For Class 3 Hail Rated, Add	4.00	
			For Polycarbonate Diffuser Lens, Add	7.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	20.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	49.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	69.00	
			For Single Blade Louver, Add	1,083.94	
08 62 23 00-0018			31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)		
08 62 23 00-0019	EA		2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,741.12	244.28
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,066.84	
08 62 23 00-0020	EA		3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,848.51	250.39
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,068.06	
08 62 23 00-0021	EA		4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,955.88	256.49
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,069.28	
08 62 23 00-0022	EA		5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,063.25	262.60
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,070.50	
08 62 23 00-0023	EA		6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,237.01	268.72
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,071.72	
08 62 23 00-0024	EA		7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,344.38	274.82
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,072.94	
08 62 23 00-0025	EA		8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,451.75	280.93
			For Class 3 Hail Rated, Add	5.00	
			For Polycarbonate Diffuser Lens, Add	8.00	
			For High Velocity Hurricane Zone Rated, Add	14.00	
			For FM Approved, Add	22.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
			For Single Blade Louver, Add	1,074.17	

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,625.52	287.04
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,075.39	
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,732.90	293.14
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,076.61	
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,840.27	299.25
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,077.83	
08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,947.64	305.36
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,079.05	
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,121.40	311.46
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,080.27	
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,228.78	317.57
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,081.49	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,336.15	323.67
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,082.72	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,443.52	329.78
		For Class 3 Hail Rated, Add	5.00	
		For Polycarbonate Diffuser Lens, Add	8.00	
		For High Velocity Hurricane Zone Rated, Add	14.00	
		For FM Approved, Add	22.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	50.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	86.00	
		For Single Blade Louver, Add	1,083.94	
08 62 23 00-0034		55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)		
08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,317.83	274.82
		For Class 3 Hail Rated, Add	10.00	
		For Polycarbonate Diffuser Lens, Add	14.00	
		For High Velocity Hurricane Zone Rated, Add	22.00	
		For FM Approved, Add	36.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
		For Single Blade Louver, Add	1,072.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0036	EA		3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,467.24	280.93
			For Class 3 Hail Rated, Add	10.00	
			For Polycarbonate Diffuser Lens, Add	14.00	
			For High Velocity Hurricane Zone Rated, Add	22.00	
			For FM Approved, Add	36.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
			For Single Blade Louver, Add	1,074.17	
08 62 23 00-0037	EA		4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,618.88	287.04
			For Class 3 Hail Rated, Add	10.00	
			For Polycarbonate Diffuser Lens, Add	14.00	
			For High Velocity Hurricane Zone Rated, Add	22.00	
			For FM Approved, Add	36.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
			For Single Blade Louver, Add	1,075.39	
08 62 23 00-0038	EA		5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,768.31	293.14
			For Class 3 Hail Rated, Add	10.00	
			For Polycarbonate Diffuser Lens, Add	14.00	
			For High Velocity Hurricane Zone Rated, Add	22.00	
			For FM Approved, Add	36.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
			For Single Blade Louver, Add	1,076.61	
08 62 23 00-0039	EA		6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,006.24	299.25
			For Class 3 Hail Rated, Add	10.00	
			For Polycarbonate Diffuser Lens, Add	14.00	
			For High Velocity Hurricane Zone Rated, Add	22.00	
			For FM Approved, Add	36.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
			For Single Blade Louver, Add	1,077.83	
08 62 23 00-0040	EA		7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,155.66	305.36
			For Class 3 Hail Rated, Add	10.00	
			For Polycarbonate Diffuser Lens, Add	14.00	
			For High Velocity Hurricane Zone Rated, Add	22.00	
			For FM Approved, Add	36.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
			For Single Blade Louver, Add	1,079.05	
08 62 23 00-0041	EA		8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,305.08	311.46
			For Class 3 Hail Rated, Add	10.00	
			For Polycarbonate Diffuser Lens, Add	14.00	
			For High Velocity Hurricane Zone Rated, Add	22.00	
			For FM Approved, Add	36.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
			For Single Blade Louver, Add	1,080.27	
08 62 23 00-0042	EA		9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,545.24	317.57
			For Class 3 Hail Rated, Add	10.00	
			For Polycarbonate Diffuser Lens, Add	14.00	
			For High Velocity Hurricane Zone Rated, Add	22.00	
			For FM Approved, Add	36.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
			For Single Blade Louver, Add	1,081.49	
08 62 23 00-0043	EA		10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,694.65	323.67
			For Class 3 Hail Rated, Add	10.00	
			For Polycarbonate Diffuser Lens, Add	14.00	
			For High Velocity Hurricane Zone Rated, Add	22.00	
			For FM Approved, Add	36.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
			For Single Blade Louver, Add	1,082.72	
08 62 23 00-0044	EA		11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,844.08	329.78
			For Class 3 Hail Rated, Add	10.00	
			For Polycarbonate Diffuser Lens, Add	14.00	
			For High Velocity Hurricane Zone Rated, Add	22.00	
			For FM Approved, Add	36.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
			For Single Blade Louver, Add	1,083.94	
08 62 23 00-0045	EA		12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,993.49	335.89
			For Class 3 Hail Rated, Add	10.00	
			For Polycarbonate Diffuser Lens, Add	14.00	
			For High Velocity Hurricane Zone Rated, Add	22.00	
			For FM Approved, Add	36.00	
			For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
			For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
			For Single Blade Louver, Add	1,085.16	

08 Openings**08 60 Roof Windows and Skylights****08 62 Unit Skylights**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,231.44	341.99
		For Class 3 Hail Rated, Add	10.00	
		For Polycarbonate Diffuser Lens, Add	14.00	
		For High Velocity Hurricane Zone Rated, Add	22.00	
		For FM Approved, Add	36.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
		For Single Blade Louver, Add	1,086.38	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,380.85	348.11
		For Class 3 Hail Rated, Add	10.00	
		For Polycarbonate Diffuser Lens, Add	14.00	
		For High Velocity Hurricane Zone Rated, Add	22.00	
		For FM Approved, Add	36.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
		For Single Blade Louver, Add	1,087.60	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,532.48	354.22
		For Class 3 Hail Rated, Add	10.00	
		For Polycarbonate Diffuser Lens, Add	14.00	
		For High Velocity Hurricane Zone Rated, Add	22.00	
		For FM Approved, Add	36.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
		For Single Blade Louver, Add	1,088.82	
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,681.90	360.32
		For Class 3 Hail Rated, Add	10.00	
		For Polycarbonate Diffuser Lens, Add	14.00	
		For High Velocity Hurricane Zone Rated, Add	22.00	
		For FM Approved, Add	36.00	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	95.00	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	145.00	
		For Single Blade Louver, Add	1,090.04	

08 63 Metal-Framed Skylights (08 60)**08 63 13 Domed Metal-Framed Skylights** (08 63)

08 63 13 00-0001 Domed Aluminum Framed Skylights (08 63 13)

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	968.54	164.89
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,153.99	177.10
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,526.74	195.43
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,708.27	207.64
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,212.01	177.10
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,488.22	195.43
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,610.72	207.64
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,815.15	219.86
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,090.34	238.18
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,516.04	207.64
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,634.13	213.75
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,822.46	219.86
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,963.95	225.96
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,161.10	244.28
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,404.55	256.49
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,775.63	219.86
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,925.43	232.07
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,152.77	238.18
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,278.67	250.39

			Openings	08	08
			Roof Windows and Skylights	08 60	
			Metal-Framed Skylights	08 63	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,600.18	262.60
08 63 13 00-0025		Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,163.66	164.89
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,345.21	177.10
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,678.93	195.43
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,864.36	207.64
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,352.50	177.10
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,597.49	195.43
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,727.78	207.64
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,947.83	219.86
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,168.38	238.18
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,625.31	207.64
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,759.00	213.75
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,888.79	219.86
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,038.10	225.96
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,200.12	244.28
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,447.48	256.49
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,904.40	219.86
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,065.92	232.07
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,234.72	238.18
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,368.43	250.39
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,658.72	262.60
08 63 13 00-0046		High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,179.27	164.89
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,376.42	177.10
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,721.86	195.43
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,391.52	177.10
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,652.12	195.43
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,770.71	207.64
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,994.66	219.86
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,660.43	207.64
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,790.22	213.75
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,939.52	219.86
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,088.83	225.96
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,262.56	244.28
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,951.23	219.86
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,128.35	232.07
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,297.16	238.18
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,430.86	250.39

08 Openings**08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 63 13 00-0063	FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0063)		
	Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0064	EA 27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,206.58	164.89
08 63 13 00-0065	EA 27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,419.35	177.10
08 63 13 00-0066	EA 27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,760.88	195.43
08 63 13 00-0067	EA 27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,004.85	207.64
08 63 13 00-0068	EA 39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,430.54	177.10
08 63 13 00-0069	EA 39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,687.24	195.43
08 63 13 00-0070	EA 39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,809.73	207.64
08 63 13 00-0071	EA 39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,053.19	219.86
08 63 13 00-0072	EA 51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,703.35	207.64
08 63 13 00-0073	EA 51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,833.15	213.75
08 63 13 00-0074	EA 51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,994.16	219.86
08 63 13 00-0075	EA 51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,147.36	225.96
08 63 13 00-0076	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,325.00	244.28
08 63 13 00-0077	EA 63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,009.77	219.86
08 63 13 00-0078	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,186.89	232.07
08 63 13 00-0079	EA 63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,359.60	238.18
08 63 13 00-0080	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,501.11	250.39
08 63 13 00-0081	Curb Top Inserts (08 63 13 00-0081)		
	Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.		
08 63 13 00-0082	Single Glazed, Aluminum Framed Curb Top Inserts (08 63 13 00-0081)		
08 63 13 00-0083	EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	323.95	79.39
08 63 13 00-0084	EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	418.66	91.60
08 63 13 00-0085	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	658.55	122.15
08 63 13 00-0086	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	608.09	109.92
08 63 13 00-0087	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	720.51	122.15
08 63 13 00-0088	Double Glazed, Aluminum Framed Curb Top Inserts (08 63 13 00-0081)		
08 63 13 00-0089	EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	414.68	79.39
08 63 13 00-0090	EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	593.49	91.60
08 63 13 00-0091	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	975.01	122.15
08 63 13 00-0092	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	944.47	109.92
08 63 13 00-0093	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	1,158.68	122.15
08 63 13 00-0094	Triple Glazed, Aluminum Framed Curb Top Inserts (08 63 13 00-0081)		
08 63 13 00-0095	EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	503.20	79.39
08 63 13 00-0096	EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	759.47	91.60
08 63 13 00-0097	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,364.49	122.15
08 63 13 00-0098	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,258.71	109.92
08 63 13 00-0099	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,565.88	122.15
08 63 13 00-0100	Pyramid Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)		
08 63 13 00-0101	Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0100)		
	Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0102	EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	898.30	164.89
08 63 13 00-0103	EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,102.75	177.10
08 63 13 00-0104	EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,406.78	207.64
08 63 13 00-0105	EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,732.70	219.86

			Openings	08	08
			Roof Windows and Skylights	08 60	
			Metal-Framed Skylights	08 63	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 63 13 00-0106			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0100)		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0107	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,202.68	164.89
08 63 13 00-0108	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,414.93	177.10
08 63 13 00-0109	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,691.65	207.64
08 63 13 00-0110	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,994.16	219.86
08 63 13 00-0111			Double Hip Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)		
08 63 13 00-0112			Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0111)		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0113	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,042.69	164.89
08 63 13 00-0114	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,409.68	195.43
08 63 13 00-0115	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,645.84	207.64
08 63 13 00-0116	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,339.94	195.43
08 63 13 00-0117	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,458.53	207.64
08 63 13 00-0118	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,729.30	219.86
08 63 13 00-0119	EA		39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,008.39	238.18
08 63 13 00-0120	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,528.77	213.75
08 63 13 00-0121	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,670.27	219.86
08 63 13 00-0122	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,823.47	225.96
08 63 13 00-0123	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,989.40	244.28
08 63 13 00-0124	EA		52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,318.70	256.49
08 63 13 00-0125	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,882.51	232.07
08 63 13 00-0126	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,094.24	238.18
08 63 13 00-0127	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,239.65	250.39
08 63 13 00-0128	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,557.26	262.60
08 63 13 00-0129			Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0111)		
			Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0130	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,175.36	164.89
08 63 13 00-0131	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,364.72	177.10
08 63 13 00-0132	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,698.45	195.43
08 63 13 00-0133	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,379.81	177.10
08 63 13 00-0134	EA		39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,517.91	189.32
08 63 13 00-0135	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,628.71	195.43
08 63 13 00-0136	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,747.30	207.64
08 63 13 00-0137	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,975.15	219.86
08 63 13 00-0138	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,644.82	213.75
08 63 13 00-0139	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,774.61	213.75
08 63 13 00-0140	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,916.11	219.86
08 63 13 00-0141	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,061.51	225.96
08 63 13 00-0142	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,231.34	244.28
08 63 13 00-0143	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,923.92	219.86

08	08	Openings
	08 60	Roof Windows and Skylights
	08 63	Metal-Framed Skylights



MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,101.04		232.07	
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,265.94		238.18	
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,395.74		250.39	
08 63 13 00-0147		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight (08 63 13 00-0111) Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.				
08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,353.01		177.10	
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,749.18		195.43	
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,671.63		195.43	
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,798.03		207.64	
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,037.58		219.86	
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,821.44		213.75	
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,974.65		219.86	
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,131.75		225.96	
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,293.78		244.28	
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,171.28		232.07	
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,343.99		238.18	
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,481.59		250.39	
08 63 13 00-0160		Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0001)				
08 63 13 00-0161		Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0160) Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.				
08 63 13 00-0162		Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)				
08 63 13 00-0163		10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)				
08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,290.75		244.28	
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,911.20		232.07	
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,552.20		244.28	
08 63 13 00-0167		25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)				
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,847.76		244.28	
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,483.82		232.07	
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	7,202.87		244.28	
08 63 13 00-0171		30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0162)				
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	7,296.53		244.28	
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,924.78		232.07	
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	7,643.83		244.28	
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0161)				
08 63 13 00-0176		10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)				
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,314.16		244.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0178	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,934.61	232.07
08 63 13 00-0179	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,587.32	244.28
08 63 13 00-0180			25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0181	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,878.98	244.28
08 63 13 00-0182	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,507.24	232.07
08 63 13 00-0183	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	7,241.90	244.28
08 63 13 00-0184			30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0185	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	7,319.94	244.28
08 63 13 00-0186	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,948.20	232.07
08 63 13 00-0187	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	7,682.86	244.28
08 66 Wood-Framed Skylights (08 60)					
08 66 00 00-0001			Wood-Framed Skylights (Andersen 400 Series) (08 66)		
08 66 00 00-0002	EA		16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	801.12	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	115.50	
			For Aluminum Shingle Flashing, Add	92.40	
08 66 00 00-0003	EA		16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	819.98	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	120.22	
			For Aluminum Shingle Flashing, Add	96.17	
08 66 00 00-0004	EA		24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series).....	775.20	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	109.02	
			For Aluminum Shingle Flashing, Add	87.22	
08 66 00 00-0005	EA		24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	834.12	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	123.75	
			For Aluminum Shingle Flashing, Add	99.00	
08 66 00 00-0006	EA		24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	883.62	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	136.13	
			For Aluminum Shingle Flashing, Add	108.90	
08 66 00 00-0007	EA		24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	963.77	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	156.16	
			For Aluminum Shingle Flashing, Add	124.93	
08 66 00 00-0008	EA		24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,065.13	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	181.50	
			For Aluminum Shingle Flashing, Add	145.20	
08 66 00 00-0009	EA		27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	775.20	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	109.02	
			For Aluminum Shingle Flashing, Add	87.22	
08 66 00 00-0010	EA		28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	895.41	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	139.07	
			For Aluminum Shingle Flashing, Add	111.26	
08 66 00 00-0011	EA		28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	963.77	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	156.16	
			For Aluminum Shingle Flashing, Add	124.93	
08 66 00 00-0012	EA		28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,041.55	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	175.61	
			For Aluminum Shingle Flashing, Add	140.49	
08 66 00 00-0013	EA		28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,145.27	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	201.54	
			For Aluminum Shingle Flashing, Add	161.23	
08 66 00 00-0014	EA		38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	801.12	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	115.50	
			For Aluminum Shingle Flashing, Add	92.40	
08 66 00 00-0015	EA		38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	834.12	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	123.75	
			For Aluminum Shingle Flashing, Add	99.00	
08 66 00 00-0016	EA		38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	895.41	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	139.07	
			For Aluminum Shingle Flashing, Add	111.26	
08 66 00 00-0017	EA		44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,112.27	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	193.29	
			For Aluminum Shingle Flashing, Add	154.63	
08 66 00 00-0018	EA		46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	819.98	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	120.22	
			For Aluminum Shingle Flashing, Add	96.17	
08 66 00 00-0019	EA		46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	883.62	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	136.13	
			For Aluminum Shingle Flashing, Add	108.90	
08 66 00 00-0020	EA		46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	963.77	169.56
			For Tempered Laminated Low-E Insulated Glass, Add	156.16	
			For Aluminum Shingle Flashing, Add	124.93	

08 Openings**08 60 Roof Windows and Skylights****08 66 Wood-Framed Skylights**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 66 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,112.27	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	193.29	
		For Aluminum Shingle Flashing, Add	154.63	
08 66 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	963.77	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	156.16	
		For Aluminum Shingle Flashing, Add	124.93	
08 66 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,041.55	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	175.61	
		For Aluminum Shingle Flashing, Add	140.49	
08 66 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,065.13	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	181.50	
		For Aluminum Shingle Flashing, Add	145.20	
08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	1,145.27	169.56
		For Tempered Laminated Low-E Insulated Glass, Add	201.54	
		For Aluminum Shingle Flashing, Add	161.23	

08 70 Hardware**08 71 Door Hardware****08 71 11 Door Hardware**

Note: All hardware is Yale ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001		Hinges		
		Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.		
08 71 11 00-0002		Brass/Bronze, Satin Chrome Finish Hinges		
		Note: US26D (BHMA 626) satin chrome finish.		
08 71 11 00-0003		Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0004	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	96.99	9.49
		For Clear Coated Bright Brass, Add	6.55	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0005	PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	106.34	13.57
		For Clear Coated Bright Brass, Add	7.29	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0006	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	121.07	14.92
		For Clear Coated Bright Brass, Add	6.10	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0007		Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	111.23	9.49
		For Clear Coated Bright Brass, Add	8.41	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	127.86	13.57
		For Clear Coated Bright Brass, Add	8.41	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	130.57	14.92
		For Clear Coated Bright Brass, Add	7.43	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	152.51	17.63
		For Clear Coated Bright Brass, Add	8.69	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	153.45	17.63
		For Clear Coated Bright Brass, Add	8.82	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	164.26	22.65
		For Clear Coated Bright Brass, Add	10.34	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0014		Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	125.69	9.49
08 71 11 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	142.32	13.57
08 71 11 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	146.30	14.92
08 71 11 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	169.86	17.63
08 71 11 00-0019		Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges		
		Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	162.13	14.92
		For Clear Coated Bright Brass, Add	11.85	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	184.34	17.63
		For Clear Coated Bright Brass, Add	13.15	
		For Pair Of Non-Removable Pins (NRP), Add	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0022	PR		5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge For Clear Coated Bright Brass, Add For Pair Of Non-Removable Pins (NRP), Add	204.22 15.93 6.00	17.63
08 71 11 00-0023			Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges (08 71 11 00-0002) Note: Set into mortised edge of the door and surface applied to the face of the frame.		
08 71 11 00-0024	PR		4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... For Clear Coated Bright Brass, Add For Pair Of Non-Removable Pins (NRP), Add	166.06 12.40 6.00	14.92
08 71 11 00-0025	PR		5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge For Clear Coated Bright Brass, Add For Pair Of Non-Removable Pins (NRP), Add	195.53 14.71 6.00	17.63
08 71 11 00-0026			Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge (08 71 11 00-0002) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027	PR		4-1/2" x 4-1/2" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... For Clear Coated Bright Brass, Add For Pair Of Non-Removable Pins (NRP), Add	161.30 11.73 6.00	14.92
08 71 11 00-0028	PR		5" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... For Clear Coated Bright Brass, Add For Pair Of Non-Removable Pins (NRP), Add	186.51 13.45 6.00	22.65
08 71 11 00-0029	PR		6" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge For Clear Coated Bright Brass, Add For Pair Of Non-Removable Pins (NRP), Add	220.66 18.23 6.00	22.65
08 71 11 00-0030			Mortised, Wrought Steel Hinges (08 71 11 00-0001) Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0031			Full Mortise, Plain Bearing, Wrought Steel Hinges (08 71 11 00-0030) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0032	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	70.16 -3.79 2.37 -2.28 10.43 2.85 6.00	9.49
08 71 11 00-0033	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	88.76 -4.19 2.62 -2.51 11.52 3.14 6.00	13.57
08 71 11 00-0034	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	103.03 -5.10 3.19 -3.06 14.04 3.83 6.00	14.92
08 71 11 00-0035			Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0036	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	120.35 -13.83 8.65 -8.30 38.04 10.37 6.00	9.49
08 71 11 00-0037	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	146.14 -15.66 9.79 -9.40 43.08 11.75 6.00	13.57
08 71 11 00-0038	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	118.92 -8.28 5.18 -4.97 22.78 6.21 6.00	14.92
08 71 11 00-0039	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	204.93 -22.90 14.31 -13.74 62.98 17.18 6.00	17.63

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-0040	PR 5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	221.09 -26.13 16.33 -15.68 71.86 19.60 6.00		17.63
08 71 11 00-0041	PR 6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	270.36 -35.99 22.49 -21.59 98.96 26.99 6.00		17.63
08 71 11 00-0042	Half Surface, Plain Bearing, Wrought Steel Hinges (08 71 11 00-0030) Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.			
08 71 11 00-0043	PR 3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	149.34 -19.63 12.27 -11.78 53.98 14.72 6.00		9.49
08 71 11 00-0044	PR 4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	179.05 -22.25 13.90 -13.35 61.18 16.68 6.00		13.57
08 71 11 00-0045	PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	201.83 -24.86 15.54 -14.92 68.38 18.65 6.00		14.92
08 71 11 00-0046	PR 5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	227.83 -27.48 17.18 -16.49 75.57 20.61 6.00		17.63
08 71 11 00-0047	Half Surface, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030) Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.			
08 71 11 00-0048	PR 4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	208.49 -28.13 17.58 -16.88 77.37 21.10 6.00		14.92
08 71 11 00-0049	PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	233.17 -31.13 19.46 -18.68 85.61 23.35 6.00		14.92
08 71 11 00-0050	PR 5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	270.36 -35.99 22.49 -21.59 98.96 26.99 6.00		17.63
08 71 11 00-0051	Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0030) Note: Both leaves slide into a cavity prepared in the door and door frame.			
08 71 11 00-0052	PR 4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge For Primed For Paint Finish, Deduct For Bright Chrome Plated Finish US26 (BHMA 625), Add For Satin Brass Plated Clear Coated Finish, Deduct For Stainless Steel, Add For Heavy-Duty, Add For Pair Of Non-Removable Pins (NRP), Add	163.03 -17.10 10.69 -10.26 47.04 12.83 6.00		14.92
08 71 11 00-0053	Blank Butt Hinges (08 71 11 00-0030)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0054	PR		3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy-Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	35.14 -2.18 1.36 -1.31 5.99 1.63 6.00	6.10
08 71 11 00-0055			Full Mortise, Single Acting Spring, Wrought Steel Hinges (08 71 11 00-0030) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0056	PR		3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	132.87 -16.34 10.21 -9.80 44.92	9.49
08 71 11 00-0057	PR		4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	174.67 -21.37 13.36 -12.82 58.77	13.57
08 71 11 00-0058	PR		4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	234.68 -31.43 19.65 -18.86 86.44	14.92
08 71 11 00-0059			Offset And Pivot Hinges (08 71 11 00-0001) Note: Satin chrome plated, US26D.		
08 71 11 00-0060			Offset Swing Clear Hinges (08 71 11 00-0059) Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0061	EA		4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges..... <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	193.38 33.53 54.00	4.23
08 71 11 00-0062			Offset Pivot Hinges (08 71 11 00-0059)		
08 71 11 00-0063			3/4" Offset Pivot Hinges (08 71 11 00-0062)		
08 71 11 00-0064			3/4" Offset Pivot Hinges (08 71 11 00-0063)		
08 71 11 00-0065			Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0066			200 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0067	EA		Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	160.28	13.57
08 71 11 00-0068	EA		Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	214.76	13.57
08 71 11 00-0069	EA		Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	245.03	13.57
08 71 11 00-0070	EA		Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	245.03	13.57
08 71 11 00-0071	EA		Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	245.03	13.57
08 71 11 00-0072	EA		Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	245.03	13.57
08 71 11 00-0073	EA		Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	245.03	13.57
08 71 11 00-0074	EA		Painted Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	176.02	13.57
08 71 11 00-0075	EA		Satin Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	223.25	13.57
08 71 11 00-0076	EA		Bright Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	254.71	13.57
08 71 11 00-0077	EA		Satin Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	254.71	13.57
08 71 11 00-0078	EA		Satin Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	254.71	13.57
08 71 11 00-0079	EA		Dark Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	254.71	13.57
08 71 11 00-0080	EA		Bright Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	254.71	13.57
08 71 11 00-0081	EA		Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	160.28	13.57
08 71 11 00-0082	EA		Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	214.76	13.57
08 71 11 00-0083	EA		Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	245.03	13.57
08 71 11 00-0084	EA		Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	245.03	13.57
08 71 11 00-0085	EA		Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	245.03	13.57
08 71 11 00-0086	EA		Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	245.03	13.57
08 71 11 00-0087	EA		Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	245.03	13.57
08 71 11 00-0088			500 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0089	EA		Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	167.06	16.96
08 71 11 00-0090	EA		Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	221.54	16.96
08 71 11 00-0091	EA		Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	251.81	16.96
08 71 11 00-0092	EA		Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	251.81	16.96
08 71 11 00-0093	EA		Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	251.81	16.96
08 71 11 00-0094	EA		Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	251.81	16.96
08 71 11 00-0095	EA		Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	251.81	16.96
08 71 11 00-0096			600 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0097	EA		Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	167.06	16.96
08 71 11 00-0098	EA		Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	221.54	16.96
08 71 11 00-0099	EA		Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	251.81	16.96
08 71 11 00-0100	EA		Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	251.81	16.96
08 71 11 00-0101	EA		Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	251.81	16.96
08 71 11 00-0102	EA		Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	251.81	16.96
08 71 11 00-0103	EA		Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	251.81	16.96

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-0104		700 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0065)		
08 71 11 00-0105	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	167.06	16.96
08 71 11 00-0106	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	221.54	16.96
08 71 11 00-0107	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	251.81	16.96
08 71 11 00-0108	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	251.81	16.96
08 71 11 00-0109	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	251.81	16.96
08 71 11 00-0110	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	251.81	16.96
08 71 11 00-0111	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	251.81	16.96
08 71 11 00-0112		Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0113		200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0112)		
08 71 11 00-0114	EA	Painted Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	199.01	13.57
08 71 11 00-0115	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	245.03	13.57
08 71 11 00-0116	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	277.71	13.57
08 71 11 00-0117	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	277.71	13.57
08 71 11 00-0118	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	277.71	13.57
08 71 11 00-0119	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	277.71	13.57
08 71 11 00-0120	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	277.71	13.57
08 71 11 00-0121		500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0112)		
08 71 11 00-0122	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	221.54	16.96
08 71 11 00-0123	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	236.06	16.96
08 71 11 00-0124	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	261.49	16.96
08 71 11 00-0125	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	261.49	16.96
08 71 11 00-0126	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	261.49	16.96
08 71 11 00-0127	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	261.49	16.96
08 71 11 00-0128	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	261.49	16.96
08 71 11 00-0129		600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0112)		
08 71 11 00-0130	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	221.54	16.96
08 71 11 00-0131	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	236.06	16.96
08 71 11 00-0132	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	261.49	16.96
08 71 11 00-0133	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	261.49	16.96
08 71 11 00-0134	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	261.49	16.96
08 71 11 00-0135	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	261.49	16.96
08 71 11 00-0136	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	261.49	16.96
08 71 11 00-0137		700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0112)		
08 71 11 00-0138	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	221.54	16.96
08 71 11 00-0139	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	236.06	16.96
08 71 11 00-0140	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	261.49	16.96
08 71 11 00-0141	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	261.49	16.96
08 71 11 00-0142	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	261.49	16.96
08 71 11 00-0143	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	261.49	16.96
08 71 11 00-0144	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	261.49	16.96
08 71 11 00-0145		Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0146		200 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)		
08 71 11 00-0147	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	176.02	13.57
08 71 11 00-0148	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	223.25	13.57
08 71 11 00-0149	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	254.71	13.57
08 71 11 00-0150	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	254.71	13.57
08 71 11 00-0151	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	254.71	13.57
08 71 11 00-0152	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	316.55	13.57
08 71 11 00-0153	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	254.71	13.57
08 71 11 00-0154	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	176.02	13.57
08 71 11 00-0155	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	223.25	13.57
08 71 11 00-0156	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	254.71	13.57
08 71 11 00-0157	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	254.71	13.57
08 71 11 00-0158	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	254.71	13.57
08 71 11 00-0159	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	254.71	13.57
08 71 11 00-0160	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM).....	254.71	13.57
08 71 11 00-0161	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	153.03	13.57
08 71 11 00-0162	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	207.51	13.57
08 71 11 00-0163	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	238.97	13.57
08 71 11 00-0164	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	238.97	13.57

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
08 71 11 00-0165	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	238.97		13.57
08 71 11 00-0166	EA	Dark Bronze Finish, 200 Lb. Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	238.97		13.57
08 71 11 00-0167	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM).....	238.97		13.57
08 71 11 00-0168		500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)			
08 71 11 00-0169	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	267.55		16.96
08 71 11 00-0170	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	284.49		16.96
08 71 11 00-0171	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	284.49		16.96
08 71 11 00-0172	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	284.49		16.96
08 71 11 00-0173	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	284.49		16.96
08 71 11 00-0174	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	284.49		16.96
08 71 11 00-0175	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM).....	289.33		16.96
08 71 11 00-0176		600 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)			
08 71 11 00-0177	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	230.03		16.96
08 71 11 00-0178	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	251.81		16.96
08 71 11 00-0179	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	267.55		16.96
08 71 11 00-0180	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	267.55		16.96
08 71 11 00-0181	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	267.55		16.96
08 71 11 00-0182	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	267.55		16.96
08 71 11 00-0183	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	267.55		16.96
08 71 11 00-0184		700 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0145)			
08 71 11 00-0185	EA	Painted Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	525.38		16.96
08 71 11 00-0186	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	564.11		16.96
08 71 11 00-0187	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	625.87		16.96
08 71 11 00-0188	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	625.87		16.96
08 71 11 00-0189	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	625.87		16.96
08 71 11 00-0190	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	625.87		16.96
08 71 11 00-0191	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	625.87		16.96
08 71 11 00-0192		Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0063)			
08 71 11 00-0193		Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)			
08 71 11 00-0194		500 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)			
08 71 11 00-0195	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	313.56		16.96
08 71 11 00-0196	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	370.43		16.96
08 71 11 00-0197	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	416.44		16.96
08 71 11 00-0198	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	416.44		16.96
08 71 11 00-0199	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	416.44		16.96
08 71 11 00-0200		600 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)			
08 71 11 00-0201	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	313.56		16.96
08 71 11 00-0202	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	370.43		16.96
08 71 11 00-0203	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	416.44		16.96
08 71 11 00-0204	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	416.44		16.96
08 71 11 00-0205	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	416.44		16.96
08 71 11 00-0206		700 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)			
08 71 11 00-0207	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	313.56		16.96
08 71 11 00-0208	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	370.43		16.96
08 71 11 00-0209	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	416.44		16.96
08 71 11 00-0210	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	416.44		16.96
08 71 11 00-0211	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	416.44		16.96
08 71 11 00-0212		1,000 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)			

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 11 00-0213	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	330.00	20.35	
08 71 11 00-0214	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	377.21	20.35	
08 71 11 00-0215	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	399.01	20.35	
08 71 11 00-0216	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	399.01	20.35	
08 71 11 00-0217	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	399.01	20.35	
08 71 11 00-0218 1,750 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0193)					
08 71 11 00-0219	EA	Painted Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	330.00	20.35	
08 71 11 00-0220	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	377.21	20.35	
08 71 11 00-0221	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	399.01	20.35	
08 71 11 00-0222	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	399.01	20.35	
08 71 11 00-0223	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	399.01	20.35	
08 71 11 00-0224 Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)					
08 71 11 00-0225 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0224)					
08 71 11 00-0226	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	323.22	16.96	
08 71 11 00-0227	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	376.49	16.96	
08 71 11 00-0228	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	392.23	16.96	
08 71 11 00-0229	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	392.23	16.96	
08 71 11 00-0230	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	392.23	16.96	
08 71 11 00-0231 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0224)					
08 71 11 00-0232	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	323.22	16.96	
08 71 11 00-0233	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	376.49	16.96	
08 71 11 00-0234	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	392.23	16.96	
08 71 11 00-0235	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	392.23	16.96	
08 71 11 00-0236	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	392.23	16.96	
08 71 11 00-0237 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0224)					
08 71 11 00-0238	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	323.22	16.96	
08 71 11 00-0239	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	376.49	16.96	
08 71 11 00-0240	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	392.23	16.96	
08 71 11 00-0241	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	392.23	16.96	
08 71 11 00-0242	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	392.23	16.96	
08 71 11 00-0243 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0224)					
08 71 11 00-0244	EA	Painted Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	361.49	20.35	
08 71 11 00-0245	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	415.95	20.35	
08 71 11 00-0246	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	430.47	20.35	
08 71 11 00-0247	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	430.47	20.35	
08 71 11 00-0248	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	430.47	20.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0249			1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0224)		
08 71 11 00-0250	EA		Painted Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	361.49	20.35
08 71 11 00-0251	EA		Satin Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	415.95	20.35
08 71 11 00-0252	EA		Bright Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	430.47	20.35
08 71 11 00-0253	EA		Bright Brass Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	430.47	20.35
08 71 11 00-0254	EA		Satin Bronze Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	430.47	20.35
08 71 11 00-0255			Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)		
08 71 11 00-0256			500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0255)		
08 71 11 00-0257	EA		Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	360.77	16.96
08 71 11 00-0258	EA		Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	446.71	16.96
08 71 11 00-0259	EA		Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	479.39	16.96
08 71 11 00-0260	EA		Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	479.39	16.96
08 71 11 00-0261	EA		Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	479.39	16.96
08 71 11 00-0262			600 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0255)		
08 71 11 00-0263	EA		Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	354.71	16.96
08 71 11 00-0264	EA		Satin Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	376.49	16.96
08 71 11 00-0265	EA		Bright Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	432.18	16.96
08 71 11 00-0266	EA		Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	432.18	16.96
08 71 11 00-0267	EA		Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	432.18	16.96
08 71 11 00-0268			1,000 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0255)		
08 71 11 00-0269	EA		Painted Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	407.48	20.35
08 71 11 00-0270	EA		Satin Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	453.49	20.35
08 71 11 00-0271	EA		Bright Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	470.43	20.35
08 71 11 00-0272	EA		Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	470.43	20.35
08 71 11 00-0273	EA		Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	470.43	20.35
08 71 11 00-0274			1,750 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0255)		
08 71 11 00-0275	EA		Painted Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	578.17	20.35
08 71 11 00-0276	EA		Satin Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	616.91	20.35
08 71 11 00-0277	EA		Bright Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	632.65	20.35
08 71 11 00-0278	EA		Bright Brass Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	632.65	20.35
08 71 11 00-0279	EA		Satin Bronze Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	632.65	20.35
08 71 11 00-0280			1-1/2" Offset Pivot Hinges (08 71 11 00-0062)		
08 71 11 00-0281			Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0280)		
08 71 11 00-0282			Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)		
08 71 11 00-0283			400 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0282)		
08 71 11 00-0284	EA		Painted Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	370.43	16.96
08 71 11 00-0285	EA		Satin Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	400.70	16.96
08 71 11 00-0286	EA		Bright Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	423.69	16.96

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-0287	EA	Bright Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	423.69		16.96
08 71 11 00-0288	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	423.69		16.96
08 71 11 00-0289		500 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0282)			
08 71 11 00-0290	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	370.43		16.96
08 71 11 00-0291	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	400.70		16.96
08 71 11 00-0292	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	423.69		16.96
08 71 11 00-0293	EA	Bright Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	423.69		16.96
08 71 11 00-0294	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	423.69		16.96
08 71 11 00-0295		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)			
08 71 11 00-0296		400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0295)			
08 71 11 00-0297	EA	Painted Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	384.95		16.96
08 71 11 00-0298	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	432.18		16.96
08 71 11 00-0299	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	455.18		16.96
08 71 11 00-0300	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	455.18		16.96
08 71 11 00-0301	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	455.18		16.96
08 71 11 00-0302		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0295)			
08 71 11 00-0303	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	384.95		16.96
08 71 11 00-0304	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	432.18		16.96
08 71 11 00-0305	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	455.18		16.96
08 71 11 00-0306	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	455.18		16.96
08 71 11 00-0307	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	455.18		16.96
08 71 11 00-0308		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)			
08 71 11 00-0309		400 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0308)			
08 71 11 00-0310	EA	Painted Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	376.49		16.96
08 71 11 00-0311	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	432.18		16.96
08 71 11 00-0312	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	455.18		16.96
08 71 11 00-0313	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	455.18		16.96
08 71 11 00-0314	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	455.18		16.96
08 71 11 00-0315		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0308)			
08 71 11 00-0316	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	610.13		16.96
08 71 11 00-0317	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	673.07		16.96
08 71 11 00-0318	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	688.82		16.96
08 71 11 00-0319	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	688.82		16.96
08 71 11 00-0320	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	688.82		16.96
08 71 11 00-0321		Center Hung Pivot Hinges (08 71 11 00-0059)			
08 71 11 00-0322		Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)			
08 71 11 00-0323		300 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)			
08 71 11 00-0324	EA	Painted Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	191.76		13.57

MINOR			TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-0325	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.51			13.57
08 71 11 00-0326	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	207.51			13.57
08 71 11 00-0327	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	207.51			13.57
08 71 11 00-0328	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	207.51			13.57
08 71 11 00-0329	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.51			13.57
08 71 11 00-0330	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.51			13.57
08 71 11 00-0331		500 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)				
08 71 11 00-0332	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	198.54			16.96
08 71 11 00-0333	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	214.29			16.96
08 71 11 00-0334	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	214.29			16.96
08 71 11 00-0335	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	214.29			16.96
08 71 11 00-0336	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	214.29			16.96
08 71 11 00-0337	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	214.29			16.96
08 71 11 00-0338	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	214.29			16.96
08 71 11 00-0339		600 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)				
08 71 11 00-0340	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	198.54			16.96
08 71 11 00-0341	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	214.29			16.96
08 71 11 00-0342	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	214.29			16.96
08 71 11 00-0343	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	214.29			16.96
08 71 11 00-0344	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	214.29			16.96
08 71 11 00-0345	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	214.29			16.96
08 71 11 00-0346	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	214.29			16.96
08 71 11 00-0347		1,000 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0322)				
08 71 11 00-0348	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	314.26			20.35
08 71 11 00-0349	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	367.55			20.35
08 71 11 00-0350	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	423.22			20.35
08 71 11 00-0351	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	423.22			20.35
08 71 11 00-0352	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	423.22			20.35
08 71 11 00-0353	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	423.22			20.35
08 71 11 00-0354	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	423.22			20.35
08 71 11 00-0355		Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0321)				
08 71 11 00-0356		300 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)				
08 71 11 00-0357	EA	Painted Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	145.75			13.57
08 71 11 00-0358	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	168.77			13.57
08 71 11 00-0359	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	191.76			13.57
08 71 11 00-0360	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	191.76			13.57
08 71 11 00-0361	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	191.76			13.57
08 71 11 00-0362	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	191.76			13.57
08 71 11 00-0363	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	191.76			13.57
08 71 11 00-0364		500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0355)				
08 71 11 00-0365	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	214.29			16.96
08 71 11 00-0366	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	221.54			16.96
08 71 11 00-0367	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	221.54			16.96
08 71 11 00-0368	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	221.54			16.96
08 71 11 00-0369	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	221.54			16.96
08 71 11 00-0370	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	221.54			16.96
08 71 11 00-0371	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	221.54			16.96
08 71 11 00-0372	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	214.29			16.96
08 71 11 00-0373	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	221.54			16.96
08 71 11 00-0374	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	221.54			16.96
08 71 11 00-0375	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	221.54			16.96
08 71 11 00-0376	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	221.54			16.96
08 71 11 00-0377	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	221.54			16.96
08 71 11 00-0378	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	221.54			16.96
08 71 11 00-0379		600 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0355)				
08 71 11 00-0380	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	432.18			16.96
08 71 11 00-0381	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	455.18			16.96

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-0382	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	479.39		16.96
08 71 11 00-0383	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	479.39		16.96
08 71 11 00-0384	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	479.39		16.96
08 71 11 00-0385	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	479.39		16.96
08 71 11 00-0386	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	479.39		16.96
08 71 11 00-0387 1,000 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0385)					
08 71 11 00-0388	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	796.07		20.35
08 71 11 00-0389	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	819.06		20.35
08 71 11 00-0390	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	850.55		20.35
08 71 11 00-0391	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	850.55		20.35
08 71 11 00-0392	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	850.55		20.35
08 71 11 00-0393	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	850.55		20.35
08 71 11 00-0394	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	850.55		20.35
08 71 11 00-0395 Continuous Barrel-Type Hinge (08 71 11 00-0001)					
08 71 11 00-0396	LF	1-1/2" Wide, Steel, Continuous Barrel-Type Hinge	33.50		5.43
		For Stainless Steel, Add	6.49		
		For Brass Or Nickel, Add	7.08		
		For Aluminum, Add	2.31		
		For Medium Gauge, Deduct	-2.36		
08 71 11 00-0397	LF	2" Wide, Steel, Continuous Barrel-Type Hinge	34.29		5.43
		For Stainless Steel, Add	6.92		
		For Brass Or Nickel, Add	7.55		
		For Aluminum, Add	2.47		
		For Medium Gauge, Deduct	-2.52		
08 71 11 00-0398	LF	2-1/2" Wide, Steel, Continuous Barrel-Type Hinge	35.86		5.43
		For Stainless Steel, Add	7.79		
		For Brass Or Nickel, Add	8.50		
		For Aluminum, Add	2.78		
		For Medium Gauge, Deduct	-2.83		
08 71 11 00-0399	LF	3" Wide, Steel, Continuous Barrel-Type Hinge	37.64		5.43
		For Stainless Steel, Add	8.77		
		For Brass Or Nickel, Add	9.56		
		For Aluminum, Add	3.12		
		For Medium Gauge, Deduct	-3.19		
08 71 11 00-0400 Continuous Geared Hinges (08 71 11 00-0001)					
08 71 11 00-0401	LF	Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	65.77		5.43
		For Bronze Finish, Add	16.53		
		For Heavy-Duty, Add	11.78		
08 71 11 00-0402	LF	Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057).....	70.92		5.43
		For Bronze Finish, Add	18.46		
		For Heavy-Duty, Add	13.15		
08 71 11 00-0403	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112).....	45.10		5.43
		For Bronze Finish, Add	8.78		
08 71 11 00-0404	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy-Duty (Roton 780-112HD).....	52.57		5.43
		For Bronze Finish, Add	11.58		
08 71 11 00-0405 Mortised, Primed Steel, Double Acting Spring Hinges (08 71 11 00-0001)					
08 71 11 00-0406	PR	2", Mortised, Primed Steel, Double Acting Spring Hinge	197.37		9.49
		For Satin Brass, Add	35.97		
08 71 11 00-0407	PR	3", Mortised, Primed Steel, Double Acting Spring Hinge	211.01		12.21
		For Satin Brass, Add	35.99		
08 71 11 00-0408	PR	4", Mortised, Primed Steel, Double Acting Spring Hinge	232.74		14.92
		For Satin Brass, Add	37.95		
08 71 11 00-0409	PR	5", Mortised, Primed Steel, Double Acting Spring Hinge	306.95		17.63
		For Satin Brass, Add	52.51		
08 71 11 00-0410	PR	6", Mortised, Primed Steel, Double Acting Spring Hinge	342.70		20.35
		For Satin Brass, Add	57.83		
08 71 11 00-0411	PR	7", Mortised, Primed Steel, Double Acting Spring Hinge	413.78		23.06
		For Satin Brass, Add	71.64		
08 71 11 00-0412	PR	8", Mortised, Primed Steel, Double Acting Spring Hinge	567.86		64.44
		For Satin Brass, Add	105.36		
08 71 11 00-0413 Security Hinges (08 71 11 00-0001)					
08 71 11 00-0414	EA	4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	45.97		9.49
08 71 11 00-0415 Concealed Circuit Electric Hinge Option (08 71 11 00-0001)					
Note: Excludes the hinge. These tasks are used in conjunction with other hinges to electrify the hinge.					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0416	EA		4 Wire Concealed Circuit Electric Hinge Option.....	315.77	
08 71 11 00-0417	EA		6 Wire Concealed Circuit Electric Hinge Option.....	372.81	
08 71 11 00-0418	EA		8 Wire Concealed Circuit Electric Hinge Option.....	429.86	
08 71 11 00-0419			Hinge Filler Plates For Door Frames (08 71 11 00-0001)		
08 71 11 00-0420	PR		Hinge Filler Plates For Door Frames	23.90	6.78
08 71 11 00-0421			Door Trim (08 71 11)		
08 71 11 00-0422			Floor Stops, Wall Stops And Bumpers (08 71 11 00-0421)		
08 71 11 00-0423			Floor Stops (08 71 11 00-0422)		
08 71 11 00-0424			Aluminum Floor Stops (08 71 11 00-0423)		
08 71 11 00-0425	EA		1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	37.82	16.96
08 71 11 00-0426	EA		1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	41.71	16.96
08 71 11 00-0427	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	43.19	16.96
08 71 11 00-0428	EA		2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	65.76	16.96
08 71 11 00-0429	EA		3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	68.46	16.96
08 71 11 00-0430			Brass Floor Stops (08 71 11 00-0423)		
08 71 11 00-0431	EA		1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	42.25	16.96
08 71 11 00-0432	EA		1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	43.74	16.96
08 71 11 00-0433	EA		1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	43.74	16.96
08 71 11 00-0434	EA		1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	44.31	16.96
08 71 11 00-0435	EA		1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	45.07	16.96
08 71 11 00-0436	EA		1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	45.07	16.96
08 71 11 00-0437	EA		1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	45.07	16.96
08 71 11 00-0438	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	43.19	16.96
08 71 11 00-0439	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	45.44	16.96
08 71 11 00-0440	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	45.44	16.96
08 71 11 00-0441	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	46.32	16.96
08 71 11 00-0442	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	47.07	16.96
08 71 11 00-0443	EA		1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	47.07	16.96
08 71 11 00-0444	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	50.62	16.96
08 71 11 00-0445	EA		1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	45.59	16.96
08 71 11 00-0446	EA		1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	45.59	16.96
08 71 11 00-0447	EA		1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	48.05	16.96
08 71 11 00-0448	EA		1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	48.05	16.96
08 71 11 00-0449	EA		1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	48.05	16.96
08 71 11 00-0450	EA		1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	48.05	16.96
08 71 11 00-0451	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	47.29	16.96
08 71 11 00-0452	EA		1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	47.29	16.96
08 71 11 00-0453	EA		1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	49.68	16.96
08 71 11 00-0454	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	49.68	16.96
08 71 11 00-0455	EA		1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	49.68	16.96
08 71 11 00-0456	EA		1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	49.68	16.96
08 71 11 00-0457	EA		2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	67.94	16.96
08 71 11 00-0458	EA		2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	69.01	16.96
08 71 11 00-0459	EA		2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	71.58	16.96
08 71 11 00-0460	EA		2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	73.68	16.96
08 71 11 00-0461	EA		2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	73.68	16.96
08 71 11 00-0462	EA		2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	82.20	16.96
08 71 11 00-0463	EA		2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	82.20	16.96
08 71 11 00-0464	EA		3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	79.05	16.96
08 71 11 00-0465	EA		3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	80.56	16.96
08 71 11 00-0466	EA		3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	80.56	16.96
08 71 11 00-0467	EA		3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	80.56	16.96
08 71 11 00-0468	EA		3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	80.56	16.96
08 71 11 00-0469	EA		3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	92.24	16.96
08 71 11 00-0470	EA		3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	92.24	16.96
08 71 11 00-0471	EA		1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	55.23	16.96
08 71 11 00-0472	EA		1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	57.18	16.96
08 71 11 00-0473	EA		1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	61.57	16.96
08 71 11 00-0474	EA		1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	61.57	16.96
08 71 11 00-0475	EA		1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	61.57	16.96
08 71 11 00-0476	EA		1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	62.88	16.96
08 71 11 00-0477			Steel Floor Stops (08 71 11 00-0423)		
08 71 11 00-0478	EA		2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	47.65	16.96
08 71 11 00-0479	EA		1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S)	119.91	16.96
			Note: Includes drilling. Excludes Grout.		
08 71 11 00-0480	EA		3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L)	126.06	16.96
			Note: Includes drilling. Excludes Grout.		
08 71 11 00-0481			Wall Stops (08 71 11 00-0422)		
08 71 11 00-0482			Aluminum Wall Stops (08 71 11 00-0481)		
08 71 11 00-0483	EA		3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	18.94	6.78
08 71 11 00-0484	EA		3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	27.63	10.18

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 71 11 00-0485**Brass Wall Stops** (08 71 11 00-0481)

08 71 11 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	32.16	6.78
08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	32.16	6.78
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	32.16	6.78
08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	37.93	6.78
08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	38.47	6.78
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	38.47	6.78
08 71 11 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	38.47	6.78
08 71 11 00-0493	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	89.09	10.18
08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	91.12	10.18
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	91.12	10.18
08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	91.12	10.18
08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	91.12	10.18
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	91.12	10.18
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	74.77	10.18
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	85.75	10.18
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	85.75	10.18
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	85.75	10.18
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	85.75	10.18
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	88.36	10.18
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	88.36	10.18
08 71 11 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	142.60	10.18

08 71 11 00-0507**Steel Wall Stops** (08 71 11 00-0481)

08 71 11 00-0508	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	14.69	6.78
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08 71 11 00-0509**Hinge Pin Door Stops** (08 71 11 00-0422)**08 71 11 00-0510****Aluminum Hinge Pin Door Stops** (08 71 11 00-0509)

08 71 11 00-0511	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	30.47	13.57
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08 71 11 00-0512**Brass Hinge Pin Door Stops** (08 71 11 00-0509)

08 71 11 00-0513	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	31.10	13.57
08 71 11 00-0514	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	35.11	13.57
08 71 11 00-0515	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	44.75	13.57
08 71 11 00-0516	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	44.75	13.57
08 71 11 00-0517	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	44.75	13.57
08 71 11 00-0518	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	49.27	13.57
08 71 11 00-0519	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	49.27	13.57
08 71 11 00-0520	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	49.27	13.57
08 71 11 00-0521	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	49.27	13.57

08 71 11 00-0522**Wall Bumpers** (08 71 11 00-0422)**08 71 11 00-0523****Brass Wall Bumpers** (08 71 11 00-0522)

08 71 11 00-0524	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.22	16.96
08 71 11 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.22	16.96
08 71 11 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.22	16.96
08 71 11 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.77	16.96
08 71 11 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.77	16.96
08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.77	16.96
08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.77	16.96
08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	59.33	16.96
08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	64.37	16.96
08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	64.37	16.96
08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	64.37	16.96
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	64.37	16.96
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	64.37	16.96
08 71 11 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	65.49	16.96

08 71 11 00-0538**Rubber Wall Bumpers** (08 71 11 00-0522)

08 71 11 00-0539	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	38.22	16.96
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08 71 11 00-0540**Holders** (08 71 11 00-0421)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0541			Plunger Type Door Holders (08 71 11 00-0540)		
08 71 11 00-0542			Aluminum Plunger Type Door Holders (08 71 11 00-0541)		
08 71 11 00-0543	EA		Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153).....	94.09	10.18
08 71 11 00-0544			Brass Plunger Type Door Holders (08 71 11 00-0541)		
08 71 11 00-0545	EA		Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	153.36	10.18
08 71 11 00-0546	EA		Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	153.36	10.18
08 71 11 00-0547	EA		Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	153.36	10.18
08 71 11 00-0548	EA		Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	153.36	10.18
08 71 11 00-0549	EA		Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	153.36	10.18
08 71 11 00-0550	EA		Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	153.36	10.18
08 71 11 00-0551	EA		Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154).....	153.36	10.18
08 71 11 00-0552			Kick Down Door Holders (08 71 11 00-0540)		
08 71 11 00-0553			Aluminum Kick Down Door Holders (08 71 11 00-0552)		
08 71 11 00-0554	EA		Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	32.39	10.18
08 71 11 00-0555			Brass Kick Down Door Holders (08 71 11 00-0552)		
08 71 11 00-0556	EA		Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	69.25	10.18
08 71 11 00-0557	EA		Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	69.25	10.18
08 71 11 00-0558	EA		Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	69.25	10.18
08 71 11 00-0559	EA		Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	78.86	10.18
08 71 11 00-0560	EA		Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	78.86	10.18
08 71 11 00-0561	EA		Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	78.86	10.18
08 71 11 00-0562	EA		Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455).....	81.29	10.18
08 71 11 00-0563			Steel Kick Down Door Holders (08 71 11 00-0552)		
08 71 11 00-0564	EA		Steel Kick Down Door Holder (Ives FS544).....	39.82	10.18
08 71 11 00-0565			Floor Mounted Door Holders (08 71 11 00-0540)		
08 71 11 00-0566			Brass Floor Mounted Door Holders (08 71 11 00-0565)		
08 71 11 00-0567	EA		Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	135.61	20.35
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0568	EA		Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	135.61	20.35
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0569	EA		Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	167.55	20.35
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0570	EA		Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	167.55	20.35
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0571	EA		Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	167.55	20.35
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0572	EA		Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....	167.55	20.35
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0573			Wall Mounted Door Holders (08 71 11 00-0540)		
08 71 11 00-0574			Aluminum Wall Mounted Door Holders (08 71 11 00-0573)		
08 71 11 00-0575	EA		4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....	119.77	11.87
08 71 11 00-0576	EA		Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....	175.95	20.35
08 71 11 00-0577			Brass Wall Mounted Door Holders (08 71 11 00-0573)		
08 71 11 00-0578	EA		3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	110.09	11.87
08 71 11 00-0579	EA		3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	127.41	11.87
08 71 11 00-0580	EA		3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	127.41	11.87
08 71 11 00-0581	EA		3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	127.41	11.87
08 71 11 00-0582	EA		3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	127.41	11.87

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-0583	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	127.41	11.87
08 71 11 00-0584	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....	131.48	11.87
08 71 11 00-0585	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	124.59	11.87
08 71 11 00-0586	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	148.22	11.87
08 71 11 00-0587	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	148.22	11.87
08 71 11 00-0588	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	148.22	11.87
08 71 11 00-0589	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	148.22	11.87
08 71 11 00-0590	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....	148.22	11.87
08 71 11 00-0591	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	199.52	20.35
08 71 11 00-0592	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....	210.14	20.35
08 71 11 00-0593	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....	210.14	20.35
08 71 11 00-0594	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....	210.14	20.35
08 71 11 00-0595	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	210.14	20.35
08 71 11 00-0596	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....	210.14	20.35

08 71 11 00-0597 Overhead Door Holders (08 71 11 00-0540)**08 71 11 00-0598 Surface Mounted, Overhead Door Holders (08 71 11 00-0597)**

08 71 11 00-0599	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	619.78	33.91
		<i>For Hold Open, Add</i>	69.86	
08 71 11 00-0600	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	708.96	33.91
		<i>For Hold Open, Add</i>	82.73	
08 71 11 00-0601	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	708.96	33.91
		<i>For Hold Open, Add</i>	82.73	
08 71 11 00-0602	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	708.96	33.91
		<i>For Hold Open, Add</i>	82.73	
08 71 11 00-0603	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	705.93	33.91
		<i>For Hold Open, Add</i>	82.29	

08 71 11 00-0604 Heavy-Duty, Surface Mounted, Overhead Door Holders (08 71 11 00-0597)

Note: With or without hold open feature.

08 71 11 00-0605	EA	Heavy-Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	485.10	33.91
08 71 11 00-0606	EA	Heavy-Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	698.04	33.91
08 71 11 00-0607	EA	Heavy-Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	790.86	33.91
08 71 11 00-0608	EA	Heavy-Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	790.86	33.91
08 71 11 00-0609	EA	Heavy-Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	790.86	33.91

08 71 11 00-0610 Concealed Mounted, Overhead Door Holders (08 71 11 00-0597)

Note: With or without hold open feature.

08 71 11 00-0611	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	675.60	33.91
08 71 11 00-0612	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	675.60	33.91
08 71 11 00-0613	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	712.00	33.91
08 71 11 00-0614	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	742.94	33.91
08 71 11 00-0615	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	742.94	33.91

08 71 11 00-0616 Silencers (08 71 11 00-0421)

08 71 11 00-0617	EA	Replacement Of Rubber Door Silencers.....	2.02	
		Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.		

08 71 11 00-0618 Bolts (08 71 11 00-0421)**08 71 11 00-0619 Brass Surface Bolts (08 71 11 00-0618)**

08 71 11 00-0620	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	202.08	16.96
08 71 11 00-0621	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	216.10	16.96
08 71 11 00-0622	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	216.10	16.96

08 71 11 00-0623 Steel Surface Bolts (08 71 11 00-0618)

08 71 11 00-0624	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	93.49	16.96
08 71 11 00-0625	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	93.49	16.96
08 71 11 00-0626	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	93.49	16.96
08 71 11 00-0627	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	105.74	16.96
08 71 11 00-0628	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	107.50	16.96
08 71 11 00-0629	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	110.99	16.96
08 71 11 00-0630	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	109.23	16.96
08 71 11 00-0631	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	114.51	16.96
08 71 11 00-0632	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	121.51	16.96
08 71 11 00-0633	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	126.76	16.96
08 71 11 00-0634	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	196.83	16.96

08 71 11 00-0635 Door Viewer (08 71 11 00-0421)**08 71 11 00-0636 Brass Door Viewer (08 71 11 00-0635)**

08 71 11 00-0637	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	50.62	16.96
08 71 11 00-0638	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700).....	50.62	16.96
08 71 11 00-0639	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	50.62	16.96
08 71 11 00-0640	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	58.45	16.96
08 71 11 00-0641	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	58.45	16.96
08 71 11 00-0642	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696).....	58.45	16.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0643	EA		190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	68.10	16.96
08 71 11 00-0644	EA		190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	68.10	16.96
08 71 11 00-0645			Door Knockers (08 71 11 00-0421)		
08 71 11 00-0646			Brass Door Knockers (08 71 11 00-0645)		
08 71 11 00-0647	EA		5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	74.77	16.96
08 71 11 00-0648	EA		5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	82.20	16.96
08 71 11 00-0649	EA		5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	82.20	16.96
08 71 11 00-0650	EA		5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	82.20	16.96
08 71 11 00-0651	EA		8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	110.41	16.96
08 71 11 00-0652	EA		8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	128.34	16.96
08 71 11 00-0653			Hasps (08 71 11 00-0421)		
08 71 11 00-0654	EA		3-1/4", Zinc Plated Finish, Steel Hasp Assembly.....	35.73	12.80
08 71 11 00-0655	EA		4-1/2", Zinc Plated Finish, Steel Hasp Assembly.....	38.08	13.57
08 71 11 00-0656	EA		6", Zinc Plated Finish, Steel Hasp Assembly	48.30	15.26
08 71 11 00-0657	EA		6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	190.73	18.31
08 71 11 00-0658			Flush Bolts (08 71 11 00-0421)		
08 71 11 00-0659			Flush Bolts For Metal Doors (08 71 11 00-0658)		
08 71 11 00-0660			Brass Flush Bolts For Metal Doors (08 71 11 00-0659)		
08 71 11 00-0661			Manual, Brass Flush Bolts For Metal Doors (08 71 11 00-0660)		
			Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0662	EA		Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	72.46	16.96
08 71 11 00-0663			Automatic, Brass Flush Bolts For Metal Doors (08 71 11 00-0660)		
			Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0664	EA		Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	145.73	16.96
08 71 11 00-0665	EA		Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	145.73	16.96
08 71 11 00-0666	EA		Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	252.92	27.13
08 71 11 00-0667	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	259.38	23.73
08 71 11 00-0668	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	269.78	25.43
08 71 11 00-0669			Constant Latching, Brass Flush Bolts For Metal Doors (08 71 11 00-0660)		
			Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0670	EA		Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	172.14	16.96
08 71 11 00-0671	EA		Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	319.14	27.13
08 71 11 00-0672	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	312.36	23.73
08 71 11 00-0673	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53).....	324.51	25.43
08 71 11 00-0674			Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0659)		
08 71 11 00-0675			Automatic, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0674)		
			Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0676	EA		Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	145.73	16.96
08 71 11 00-0677	EA		Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B).....	145.73	16.96
08 71 11 00-0678	EA		Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P).....	252.92	27.13
08 71 11 00-0679	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	259.38	23.73
08 71 11 00-0680	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33).....	269.78	25.43
08 71 11 00-0681			Constant Latching, Stainless Steel Flush Bolts For Metal Doors (08 71 11 00-0674)		
			Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0682	EA		Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	172.14	16.96
08 71 11 00-0683	EA		Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P).....	319.14	27.13
08 71 11 00-0684	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	312.36	23.73
08 71 11 00-0685	EA		Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	324.51	25.43
08 71 11 00-0686			Flush Bolts For Wood Doors (08 71 11 00-0658)		
08 71 11 00-0687			Brass Flush Bolts For Wood Doors (08 71 11 00-0686)		
08 71 11 00-0688			Manual, Brass Flush Bolts For Wood Doors (08 71 11 00-0687)		
			Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0689	EA		Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358).....	85.57	16.96
08 71 11 00-0690			Automatic, Brass Flush Bolts For Wood Doors (08 71 11 00-0687)		
			Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0691	EA		Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	180.51	16.96
08 71 11 00-0692	EA		Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	180.51	16.96
08 71 11 00-0693	EA		Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P).....	333.85	27.13

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
	08 71 11 00-0694	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	327.07	23.73
08 71 11 00-0695	Constant Latching, Brass Flush Bolts For Wood Doors (08 71 11 00-0687)					
	Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.					
	08 71 11 00-0696	EA		Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	179.15	16.96
	08 71 11 00-0697	EA		Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P).....	333.85	27.13
	08 71 11 00-0698	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	327.07	23.73
08 71 11 00-0699	Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0686)					
08 71 11 00-0700	Automatic, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0699)					
	Note: Includes stainless steel construction with bright or satin finish.					
	08 71 11 00-0701	EA		Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T).....	180.51	16.96
	08 71 11 00-0702	EA		Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B).....	180.51	16.96
	08 71 11 00-0703	EA		Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	333.85	27.13
	08 71 11 00-0704	EA		Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42).....	327.07	23.73
08 71 11 00-0705	Constant Latching, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0699)					
	Note: Includes stainless steel construction with bright or satin finish.					
	08 71 11 00-0706	EA		Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T).....	179.15	16.96
	08 71 11 00-0707	EA		Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P).....	333.85	27.13
	08 71 11 00-0708	EA		Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62).....	327.07	23.73
08 71 11 00-0709	Dust Proof Strikes (08 71 11 00-0658)					
	08 71 11 00-0710	EA		Satin Brass Finish, Brass Dust Proof Strike (Ives DP1)	64.62	13.57
	08 71 11 00-0711	EA		Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	64.62	13.57
	08 71 11 00-0712	EA		Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	64.62	13.57
	08 71 11 00-0713	EA		Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	64.62	13.57
	08 71 11 00-0714	EA		Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	64.62	13.57
	08 71 11 00-0715	EA		Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	74.42	13.57
	08 71 11 00-0716	EA		Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	74.42	13.57
	08 71 11 00-0717	EA		Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	74.42	13.57
	08 71 11 00-0718	EA		Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	74.42	13.57
	08 71 11 00-0719	EA		Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	74.42	13.57
08 71 11 00-0720	Roller Bumpers (08 71 11 00-0421)					
08 71 11 00-0721	Brass Roller Bumpers (08 71 11 00-0720)					
	08 71 11 00-0722	EA		5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	67.37	10.18
	08 71 11 00-0723	EA		5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	79.08	10.18
	08 71 11 00-0724	EA		5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	79.08	10.18
	08 71 11 00-0725	EA		4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	64.73	10.18
	08 71 11 00-0726	EA		4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	73.65	10.18
	08 71 11 00-0727	EA		4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	73.65	10.18
	08 71 11 00-0728	EA		4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	73.65	10.18
	08 71 11 00-0729	EA		6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	67.55	10.18
	08 71 11 00-0730	EA		6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	73.86	10.18
	08 71 11 00-0731	EA		6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	76.83	10.18
	08 71 11 00-0732	EA		6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.83	10.18
	08 71 11 00-0733	EA		6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	76.83	10.18
	08 71 11 00-0734	EA		6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	76.83	10.18
	08 71 11 00-0735	EA		6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	76.83	10.18
08 71 11 00-0736	Other Door Trim (08 71 11 00-0421)					
08 71 11 00-0737	Coat And Hat Hooks (08 71 11 00-0736)					
08 71 11 00-0738	Aluminum Coat And Hat Hooks (08 71 11 00-0737)					
	08 71 11 00-0739	EA		1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	23.60	10.18
	08 71 11 00-0740	EA		1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	23.60	10.18
	08 71 11 00-0741	EA		1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	23.81	10.18
	08 71 11 00-0742	EA		1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	23.44	10.18
	08 71 11 00-0743	EA		1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571).....	23.44	10.18
	08 71 11 00-0744	EA		1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571).....	23.44	10.18
	08 71 11 00-0745	EA		1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571).....	23.81	10.18
	08 71 11 00-0746	EA		1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	24.90	10.18
	08 71 11 00-0747	EA		1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	24.90	10.18
	08 71 11 00-0748	EA		1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	24.90	10.18
	08 71 11 00-0749	EA		1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	24.90	10.18
	08 71 11 00-0750	EA		1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405).....	24.90	10.18
08 71 11 00-0751	Brass Coat And Hat Hooks (08 71 11 00-0737)					
	08 71 11 00-0752	EA		1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581).....	29.54	10.18
	08 71 11 00-0753	EA		1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581).....	30.12	10.18
	08 71 11 00-0754	EA		1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581).....	31.03	10.18
	08 71 11 00-0755	EA		1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581).....	31.03	10.18
	08 71 11 00-0756	EA		1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581).....	31.60	10.18
	08 71 11 00-0757	EA		1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571).....	33.45	10.18
	08 71 11 00-0758	EA		1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571).....	36.06	10.18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0759	EA		1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	36.06	10.18
08 71 11 00-0760	EA		1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	36.06	10.18
08 71 11 00-0761	EA		1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	36.64	10.18
08 71 11 00-0762 Ball Catches (08 71 11 00-0736)					
08 71 11 00-0763	EA		Satin Brass Finish, Brass Adjustable Ball Catch (Ives 347)	44.09	13.57
			<i>For Owner Furnished Material, Deduct</i>	-16.96	
08 71 11 00-0764	EA		Bright Brass Finish, Brass Adjustable Ball Catch (Ives 347)	44.09	13.57
			<i>For Owner Furnished Material, Deduct</i>	-16.96	
08 71 11 00-0765	EA		Satin Nickel Finish, Brass Adjustable Ball Catch (Ives 347)	45.85	13.57
			<i>For Owner Furnished Material, Deduct</i>	-18.72	
08 71 11 00-0766	EA		Satin Chrome Finish, Brass Adjustable Ball Catch (Ives 347)	46.76	13.57
			<i>For Owner Furnished Material, Deduct</i>	-19.63	
08 71 11 00-0767	EA		Satin Bronze Finish, Brass Adjustable Ball Catch (Ives 347)	46.76	13.57
			<i>For Owner Furnished Material, Deduct</i>	-19.63	
08 71 11 00-0768	EA		Dark Bronze Finish, Brass Adjustable Ball Catch (Ives 347)	46.76	13.57
			<i>For Owner Furnished Material, Deduct</i>	-19.63	
08 71 11 00-0769 Other Door Trim (08 71 11 00-0736)					
08 71 11 00-0770	EA		Adapter Kit For Installation Of Cipher Locks On Metal Doors	76.98	16.96
			<i>For Owner Furnished Material, Deduct</i>	-43.07	
08 71 11 00-0771	EA		Push Or Pull Exit Paddle For Storefront Aluminum Door	180.54	33.91
			Note: Aluminum with dark bronze or satin aluminum finish.		
			<i>For Owner Furnished Material, Deduct</i>	-112.72	
08 71 11 00-0772	EA		Public Toilet Lock	82.27	22.65
			<i>For Owner Furnished Material, Deduct</i>	-48.36	
08 71 11 00-0773	EA		Slide Latch Handle Mechanism For Toilet Stall Partition Doors	77.35	13.57
			<i>For Owner Furnished Material, Deduct</i>	-50.22	
08 71 11 00-0774	EA		Brass Entry Lockset Door Repair Cover, US3	112.28	16.96
			<i>For Owner Furnished Material, Deduct</i>	-44.46	
08 71 11 00-0775	EA		Stainless Steel Entry Lockset Door Repair Cover, US32D	120.38	16.96
			<i>For Owner Furnished Material, Deduct</i>	-52.56	
08 71 11 00-0776	EA		Brass Entry Deadlock Door Repair Cover, US3	95.93	16.96
			<i>For Owner Furnished Material, Deduct</i>	-28.11	
08 71 11 00-0777	EA		Latch Protector	42.20	13.57
			<i>For Owner Furnished Material, Deduct</i>	-15.07	
08 71 11 00-0778 Door Plates And Pulls (08 71 11)					
08 71 11 00-0779 Kick Plate (08 71 11 00-0778)					
			Note: Ives 8400.		
08 71 11 00-0780 Aluminum Base Material Kick Plate (08 71 11 00-0779)					
08 71 11 00-0781 Satin Aluminum Finish, Aluminum Kick Plate (08 71 11 00-0780)					
			Note: US28		
08 71 11 00-0782	EA		8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.67	10.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0783	EA		8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	72.34	10.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0784	EA		8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.95	10.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0785	EA		8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.59	10.18
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0786	EA		8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.98	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0787	EA		8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	85.56	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0788	EA		8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.21	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0789	EA		8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.84	10.85
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0790	EA		8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.19	11.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0791	EA		8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.83	11.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0792	EA		8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.44	11.53
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0793	EA		8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.83	12.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0794	EA		8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	109.47	12.21
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 71 11 00-0795	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.08	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0796	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	76.95	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0797	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.26	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0798	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	83.51	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0799	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.81	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0800	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.84	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0801	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.12	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0802	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	99.43	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0803	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.70	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0804	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.72	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0805	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.00	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0806	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	115.30	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0807	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	121.33	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0808	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	124.58	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0809	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.89	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0810	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.20	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0811	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.12	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0812	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.12	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0813	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.01	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0814	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.70	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0815	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.65	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0816	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	110.59	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0817	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.57	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0818	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	121.22	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0819	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	125.17	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0820	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	129.14	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0821	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.81	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0822	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	139.75	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0823	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	143.73	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0824	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.11	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0825	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	98.73	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0826	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	103.40	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0827	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	108.01	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0828	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	115.30	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0829	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	119.92	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0830	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	124.53	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0831	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	129.14	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0832	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	136.47	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0833	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	141.06	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0834	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	145.67	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0835	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	152.98	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0836	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	157.62	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0837	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	162.23	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0838	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	101.40	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0839	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	106.65	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0840	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	111.96	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0841	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	117.21	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0842	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	119.92	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0843	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	130.48	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0844	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	135.76	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0845	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	141.01	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0846	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	148.98	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0847	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	154.29	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0848	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	159.53	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0849	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	167.48	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0850	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	172.76	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0851	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	178.07	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0852	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	112.81	10.85
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0853	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	119.12	10.85
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0854	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	125.43	10.85
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0855	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.74	10.85	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0856	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	140.73	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0857	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	147.04	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0858	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.36	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0859	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	159.67	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0860	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	168.70	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0861	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	175.01	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0862	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	181.32	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0863	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	190.33	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0864	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	196.64	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0865	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	202.96	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0866	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.22	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0867	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.23	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0868	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	137.24	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0869	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	144.25	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0870	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.98	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0871	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	160.99	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0872	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	168.00	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0873	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	175.01	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0874	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	184.72	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0875	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	191.73	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0876	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	198.74	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0877	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	208.47	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0878	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	215.48	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0879	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	222.49	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0880	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.93	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0881	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	138.64	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0882	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	146.35	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0883	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	154.05	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0884	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	164.51	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0885	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	172.22	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0886	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	179.93	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0887	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	187.63	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0888	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	198.04	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0889	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	205.75	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0890	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	213.46	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0891	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	223.88	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0892	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	231.59	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0893	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	239.30	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0894	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	138.64	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0895	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	147.04	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0896	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	155.48	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0897	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	163.89	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0898	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	175.01	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0899	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	183.42	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0900	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	191.82	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0901	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	200.26	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0902	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	211.36	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0903	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	219.77	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0904	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	228.17	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0905	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	239.30	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0906	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	247.73	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0907	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	.....	256.14	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0908		Brass Base Material Kick Plate (08 71 11 00-0779)			
08 71 11 00-0909		Bright/Satin Brass Finish, Brass Kick Plate (08 71 11 00-0908)			
		Note: US3/US4			
08 71 11 00-0910	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	136.95	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0911	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	145.69	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0912	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	154.45	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0913	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	163.19	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-0914	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	174.65	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

UNIT COST

DEMOLITION

UNIT COST

08 71 11 00-0915	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	183.45	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0916	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	192.19	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0917	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	200.93	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0918	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	212.38	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0919	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	221.12	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0920	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	229.86	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0921	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	241.32	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0922	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	250.12	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0923	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	258.86	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0924	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	161.03	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0925	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	171.93	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0926	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	182.90	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0927	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	193.83	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0928	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	207.45	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0929	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	218.41	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0930	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	229.37	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0931	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	240.31	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0932	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	253.92	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0933	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	264.88	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0934	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	275.84	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0935	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	289.46	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0936	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	300.43	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0937	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	311.36	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0938	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	185.03	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0939	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	198.21	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0940	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	211.31	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0941	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	224.43	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0942	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	240.31	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0943	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	253.43	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0944	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	266.55	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0945	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	279.65	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0946	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	295.54	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0947	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	308.64	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0948	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	321.76	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0949	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	337.61	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0950	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	350.70	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0951	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	363.89	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0952	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	211.86	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0953	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	227.15	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0954	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	242.47	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0955	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	257.82	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0956	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	275.84	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0957	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	291.16	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0958	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	306.45	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0959	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	321.76	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0960	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	339.80	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0961	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	355.12	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0962	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	370.40	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0963	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	388.42	12.88	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0964	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	403.77	12.88	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0965	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	419.08	12.88	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0966	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	297.04	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0967	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	320.15	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0968	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	343.20	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0969	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	366.22	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0970	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	391.98	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0971	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	415.06	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0972	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	438.15	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0973	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	461.14	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0974	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	486.97	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0975	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	510.05		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0976	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	533.10		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0977	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	558.82		12.88
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0978	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	581.87		12.88
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0979	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	604.96		12.88
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0980	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	328.25		10.85
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0981	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	354.13		10.85
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0982	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	379.98		10.85
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0983	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	405.93		10.85
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0984	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	434.52		11.53
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0985	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	460.38		11.53
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0986	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	486.32		11.53
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0987	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	512.17		11.53
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0988	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	540.84		12.21
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0989	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	566.72		12.21
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0990	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	592.57		12.21
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0991	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	621.22		12.88
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0992	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	647.07		12.88
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0993	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	672.95		12.88
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0994	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	362.60		11.53
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0995	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	391.34		11.53
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0996	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	420.15		11.53
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0997	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	448.86		11.53
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0998	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	480.39		12.21
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-0999	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	509.17		12.21
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1000	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	537.91		12.21
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1001	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	566.72		12.21
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1002	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	598.14		12.88
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1003	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	626.94		12.88
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1004	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	655.72		12.88
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1005	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	687.18	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1006	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	715.99	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1007	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	744.71	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1008	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	394.27	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1009	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	425.87	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1010	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	457.51	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1011	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	489.18	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1012	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	523.54	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1013	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	555.21	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1014	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	586.85	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1015	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	618.52	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1016	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	652.83	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1017	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	684.46	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1018	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	716.13	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1019	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	750.49	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1020	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	782.16	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1021	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	813.74	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1022	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	425.87	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1023	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	460.38	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1024	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	494.94	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1025	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	529.47	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1026	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	566.72	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1027	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	601.22	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1028	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	635.75	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1029	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	672.17	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1030	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	707.48	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1031	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	741.99	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1032	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	776.52	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1033	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	813.74	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1034	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	848.33	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 71 11 00-1035	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	.....	882.83	13.57
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1036 Satin/Dark Bronze Finish, Brass Kick Plate (08 71 11 00-0908)					
Note: US10/US10B					
08 71 11 00-1037	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	148.71	10.18
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1038	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	158.49	10.18
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1039	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	168.35	10.18
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1040	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	178.12	10.18
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1041	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	190.71	10.85
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1042	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	200.51	10.85
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1043	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	210.35	10.85
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1044	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	220.15	10.85
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1045	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	232.63	11.53
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1046	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	242.50	11.53
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1047	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	252.30	11.53
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1048	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	264.85	12.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1049	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	274.66	12.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1050	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	284.49	12.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1051	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	175.69	10.18
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1052	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	187.99	10.18
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1053	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	200.23	10.18
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1054	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	212.50	10.18
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1055	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	227.49	10.85
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1056	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	239.79	10.85
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1057	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	252.03	10.85
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1058	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	264.30	10.85
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1059	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	279.31	11.53
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1060	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	291.58	11.53
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1061	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	303.81	11.53
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1062	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	318.87	12.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1063	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	331.10	12.21
		For Four Beveled Edges, Add		1.76	
		For UL Label (Fire Rated), Add		11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1064	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	343.37	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1065	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	202.69	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1066	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	217.43	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1067	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	232.13	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1068	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	246.87	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1069	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	264.30	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1070	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	279.06	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1071	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	293.80	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1072	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	308.50	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1073	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	325.95	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1074	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	340.65	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1075	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	355.36	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1076	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	372.82	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1077	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	387.58	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1078	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	402.29	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1079	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	232.39	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1080	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	249.59	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1081	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	266.76	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1082	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	283.93	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1083	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	303.81	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1084	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	321.02	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1085	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	338.19	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1086	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	355.36	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1087	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	375.28	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1088	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	392.45	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1089	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	409.63	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1090	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	429.53	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1091	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	446.76	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1092	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	463.93	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1093	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	326.44	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1094	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	352.19	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1095	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	377.92	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1096	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	403.65	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1097	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	432.08	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1098	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	457.81	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1099	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	483.57	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1100	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	509.30	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1101	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	537.74	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1102	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	563.47	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1103	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	589.20	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1104	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	617.62	12.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1105	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	643.35	12.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1106	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	669.08	12.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1107	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	360.90	10.85
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1108	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	389.79	10.85
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1109	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	418.63	10.85
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1110	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	447.52	10.85
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1111	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	479.06	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1112	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	507.92	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1113	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	536.79	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1114	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	565.65	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1115	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	597.20	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1116	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	626.10	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1117	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	654.99	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1118	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	686.52	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1119	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	715.42	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1120	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	744.25	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1121	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	398.87	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1122	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	430.99	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1123	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	463.02	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1124	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	495.14	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1125	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	529.89	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1126	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	561.95	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1127	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	594.04	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1128	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	626.10	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1129	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	660.92	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1130	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	692.95	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1131	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	725.01	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1132	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	759.82	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1133	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	791.88	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1134	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	823.97	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1135	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	434.15	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1136	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	469.47	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1137	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	504.73	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1138	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	539.98	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1139	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	578.02	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1140	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	613.28	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1141	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	648.57	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1142	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	683.82	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1143	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	721.84	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1144	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	757.10	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1145	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	792.38	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1146	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	830.36	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1147	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	865.62	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1148	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	900.93	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1149	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	469.47	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1150	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	507.92	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1151	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	546.41	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1152	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	584.89	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1153	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	626.10	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1154	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	664.58	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1155	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	703.12	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1156	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	741.55	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1157	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	782.73	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1158	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	821.25	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1159	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	859.73	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1160	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	900.93	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1161	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	939.42	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1162	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	977.90	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	

08 71 11 00-1163 Stainless Base Material Kick Plate (08 71 11 00-0779)**08 71 11 00-1164 Bright/Satin Chrome Finish, Stainless Kick Plate** (08 71 11 00-1163)

Note: US26/US26D

08 71 11 00-1165	EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	147.07	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1166	EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	156.75	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1167	EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	166.42	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1168	EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	176.09	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1169	EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	188.49	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1170	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	198.13	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1171	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	207.81	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1172	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	217.48	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1173	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	229.86	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1174	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	239.57	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1175	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	249.24	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1176	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	261.64	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1177	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	271.31	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1178	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	280.98	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1179	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	173.68	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1180	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	185.77	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1181	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	197.85	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1182	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	209.94	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1183	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	224.77	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1184	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	236.86	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1185	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	248.94	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1186	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	261.03	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1187	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	275.82	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1188	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	287.91	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1189	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	299.99	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1190	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	314.80	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1191	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	326.88	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1192	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	338.97	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1193	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	200.26	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1194	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	214.76	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1195	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	229.32	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1196	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	243.81	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1197	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	261.03	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1198	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	275.55	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1199	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	290.05	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1200	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	304.54	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1201	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	321.75	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1202	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	336.25	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1203	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	350.77	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1204	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	367.99	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1205	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	382.54	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1206	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	397.04	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1207	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	229.56	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1208	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	246.53	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1209	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	263.47	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1210	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	280.37	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1211	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	299.99	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1212	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	316.93	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1213	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	333.83	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-1214	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	350.77		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1215	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	370.46		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1216	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	387.37		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1217	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	404.27		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1218	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	393.39		12.88
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1219	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	440.81		12.88
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1220	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	457.75		12.88
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1221	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	327.10		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1222	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	352.91		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1223	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	378.70		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1224	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	404.49		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1225	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	432.98		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1226	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	458.77		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1227	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	484.59		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1228	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	510.38		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1229	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	538.88		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1230	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	564.67		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1231	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	590.46		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1232	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	618.94		12.88
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1233	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	644.73		12.88
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1234	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	670.52		12.88
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1235	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	361.64		10.85
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1236	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	390.60		10.85
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1237	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	419.50		10.85
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1238	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	448.46		10.85
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1239	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	480.07		11.53
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1240	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	509.00		11.53
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1241	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	537.93		11.53
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1242	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	566.86		11.53
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1243	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	598.48		12.21
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1244	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	627.44	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1245	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	656.40	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1246	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	688.00	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1247	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	716.96	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1248	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	745.86	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1249	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	399.69	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1250	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	431.89	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1251	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	463.99	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1252	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	496.18	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1253	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	531.01	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1254	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	563.14	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1255	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	595.31	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1256	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	627.44	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1257	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	662.34	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1258	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	694.44	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1259	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	726.58	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1260	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	761.46	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1261	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	793.60	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1262	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	825.76	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1263	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	435.06	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1264	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	470.46	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1265	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	505.80	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1266	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	541.14	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1267	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	579.26	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1268	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	614.59	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1269	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	649.96	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1270	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	685.30	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1271	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	723.40	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1272	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	758.74	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1273	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	794.11	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1274	EA 22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	832.17	13.57
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1275	EA 22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	867.51	13.57
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1276	EA 22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	902.91	13.57
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1277	EA 24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	470.46	11.53
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1278	EA 24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	509.00	11.53
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1279	EA 24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	547.58	11.53
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1280	EA 24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	586.15	11.53
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1281	EA 24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	627.44	12.21
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1282	EA 24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	666.02	12.21
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1283	EA 24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	704.65	12.21
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1284	EA 24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	743.16	12.21
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1285	EA 24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	784.44	12.88
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1286	EA 24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	823.04	12.88
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1287	EA 24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	861.61	12.88
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1288	EA 24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	902.91	13.57
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1289	EA 24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	941.48	13.57
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1290	EA 24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	980.05	13.57
	For Four Beveled Edges, Add	6.30	
	For UL Label (Fire Rated), Add	11.40	

08 71 11 00-1291 Satin Stainless Finish, Stainless Kick Plate (08 71 11 00-1163)
 Note: US32D

08 71 11 00-1292	EA 8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.80	10.18
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1293	EA 8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.85	10.18
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1294	EA 8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	79.81	10.18
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1295	EA 8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.90	10.18
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1296	EA 8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.61	10.85
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1297	EA 8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	91.57	10.85
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1298	EA 8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.65	10.85
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1299	EA 8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.64	10.85
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1300	EA 8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.37	11.53
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1301	EA 8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.39	11.53
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1302	EA 8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.38	11.53
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1303	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	115.12	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1304	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	118.15	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1305	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	121.14	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1306	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	82.09	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1307	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	85.89	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1308	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	89.66	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1309	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	93.39	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1310	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	99.91	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1311	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	103.68	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1312	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	107.42	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1313	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	111.16	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1314	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	117.70	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1315	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	121.44	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1316	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	125.18	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1317	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	131.70	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1318	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	135.47	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1319	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	139.20	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1320	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	90.40	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1321	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	94.92	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1322	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	99.44	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1323	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	103.95	10.18
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1324	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	111.16	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1325	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	115.71	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1326	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	120.19	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1327	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	124.74	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1328	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	131.94	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1329	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	136.48	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1330	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	141.03	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1331	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	148.24	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1332	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	.....	152.78	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1333	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	157.27	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1334	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.41	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1335	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.67	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1336	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.97	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1337	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.23	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1338	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	125.18	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1339	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	130.47	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1340	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.74	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1341	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	141.03	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1342	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	149.05	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1343	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	154.25	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1344	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	159.54	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1345	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.54	12.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1346	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	172.80	12.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1347	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	178.10	12.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1348	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	114.03	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1349	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.76	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1350	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.22	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1351	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.65	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1352	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.80	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1353	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	149.26	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1354	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	155.72	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1355	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	162.15	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1356	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	171.30	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1357	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	177.79	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1358	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	184.25	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1359	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	193.92	12.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1360	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	199.81	12.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1361	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	206.27	12.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1362	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	121.39	10.85
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1363	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	128.51	10.85	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1364	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.57	10.85	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1365	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.66	10.85	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1366	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	152.49	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1367	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	159.55	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1368	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	166.64	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1369	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	173.69	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1370	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	183.53	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1371	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	190.62	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1372	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	197.68	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1373	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	207.50	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1374	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	214.62	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1375	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	221.68	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1376	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	132.78	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1377	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.64	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1378	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.54	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1379	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	156.38	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1380	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	166.99	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1381	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	174.89	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1382	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	182.73	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1383	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	190.62	12.21	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1384	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	201.19	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1385	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	209.09	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1386	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	216.98	12.88	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1387	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	227.54	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1388	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	235.44	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1389	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	243.30	13.57	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1390	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	141.42	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1391	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	150.12	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1392	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	158.74	11.53	
		For Four Beveled Edges, Add	6.30		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1393	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.44	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1394	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	178.78	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1395	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	187.48	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1396	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	196.13	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1397	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	204.80	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1398	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	216.15	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1399	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	224.82	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1400	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	233.52	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1401	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	244.86	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1402	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	253.56	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1403	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	262.18	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1404	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	150.12	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1405	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	159.55	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1406	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	169.03	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1407	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	178.45	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1408	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	190.62	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1409	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	200.08	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1410	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	209.53	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1411	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	218.98	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1412	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	231.13	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1413	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	240.58	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1414	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	250.04	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1415	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	262.18	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1416	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	271.66	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1417	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	281.14	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	

08 71 11 00-1418 Bright Stainless Finish, Stainless Kick Plate (08 71 11 00-1163)
 Note: US32

08 71 11 00-1419	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	118.63	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1420	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	125.75	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1421	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.81	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1422	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.90	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1423	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	149.68	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1424	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	156.80	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1425	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.85	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1426	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	170.97	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1427	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	180.71	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1428	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	187.83	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1429	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.95	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1430	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	204.73	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1431	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	211.82	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1432	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	218.87	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1433	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	138.13	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1434	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	146.96	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1435	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	155.85	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1436	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	164.71	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1437	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	176.26	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1438	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	185.12	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1439	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.01	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1440	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	202.87	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1441	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	214.41	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1442	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	223.27	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1443	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	232.16	11.53	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1444	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.68	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1445	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	252.57	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1446	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	261.43	12.21	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1447	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.59	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1448	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	168.25	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1449	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	178.89	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1450	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.52	10.18	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1451	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	202.87	10.85	
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-1452	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.44		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1453	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	224.11		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1454	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	234.74		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1455	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	248.08		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1456	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	258.71		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1457	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	269.32		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1458	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.70		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1459	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	293.30		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1460	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	303.94		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1461	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.83		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1462	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	192.24		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1463	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	204.64		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1464	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	217.05		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1465	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	232.16		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1466	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	244.54		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1467	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	256.94		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1468	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	269.32		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1469	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	284.47		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1470	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	296.88		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1471	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	309.28		12.21
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1472	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	324.39		12.88
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1473	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	336.73		12.88
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1474	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	349.14		12.88
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1475	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	199.30		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1476	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.44		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1477	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	227.68		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1478	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	241.83		10.85
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1479	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	258.71		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1480	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	272.89		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1481	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	287.04		11.53
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1482	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	301.22	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1483	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	318.11	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1484	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	332.26	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1485	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	346.44	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1486	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	363.31	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1487	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	377.52	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1488	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	391.70	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1489	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	220.87	10.85
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1490	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	237.06	10.85
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1491	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	253.13	10.85
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1492	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	269.33	10.85
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1493	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	288.17	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1494	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	304.24	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1495	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	320.43	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1496	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	345.73	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1497	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	355.42	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1498	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	371.55	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1499	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	387.68	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1500	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	406.52	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1501	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	422.65	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1502	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	438.78	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1503	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	243.35	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1504	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	261.25	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1505	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	279.19	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1506	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	297.09	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1507	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	317.75	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1508	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	335.71	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1509	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	353.59	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1510	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	371.55	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1511	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	392.13	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1512	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	410.09	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1513	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	428.03	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1514	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	448.65	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1515	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	466.59	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1516	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	484.49	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1517	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	263.05	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1518	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.76	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1519	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	302.47	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1520	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	322.18	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1521	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	344.63	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1522	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	364.37	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1523	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	384.11	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1524	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	403.82	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1525	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	426.22	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1526	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	445.93	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1527	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	465.64	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1528	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	488.07	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1529	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	507.83	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1530	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	527.54	13.57
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1531	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.76	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1532	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	304.24	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1533	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	325.78	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1534	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	347.29	11.53
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1535	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	371.55	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1536	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	393.03	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1537	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	414.54	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1538	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	436.08	12.21
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1539	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	460.29	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1540	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	481.77	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1541	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	503.31	12.88
		For Four Beveled Edges, Add	6.30	
		For UL Label (Fire Rated), Add	11.40	

		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1542	EA		24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	527.54	13.57
			For Four Beveled Edges, Add	6.30	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1543	EA		24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	549.08	13.57
			For Four Beveled Edges, Add	6.30	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1544	EA		24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	570.56	13.57
			For Four Beveled Edges, Add	6.30	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1545 Satin Nickel Finish, Stainless Kick Plate (08 71 11 00-1163)					
Note: US15					
08 71 11 00-1546	EA		8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	151.02	10.18
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1547	EA		8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	161.00	10.18
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1548	EA		8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	171.08	10.18
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1549	EA		8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	181.06	10.18
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1550	EA		8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	193.86	10.85
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1551	EA		8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	203.87	10.85
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1552	EA		8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	213.91	10.85
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1553	EA		8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	223.93	10.85
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1554	EA		8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	236.62	11.53
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1555	EA		8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	246.70	11.53
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1556	EA		8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	256.71	11.53
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1557	EA		8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	269.47	12.21
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1558	EA		8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	279.49	12.21
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1559	EA		8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	289.53	12.21
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1560	EA		10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	178.57	10.18
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1561	EA		10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	191.14	10.18
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1562	EA		10" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	203.64	10.18
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1563	EA		10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	216.17	10.18
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1564	EA		10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	231.42	10.85
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1565	EA		10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	243.99	10.85
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1566	EA		10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	256.49	10.85
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1567	EA		10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	269.02	10.85
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1568	EA		10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	284.29	11.53
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1569	EA		10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	296.82	11.53
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1570	EA		10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate.....	309.32	11.53
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1571	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	324.64	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1572	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	337.14	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1573	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	349.67	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1574	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	206.16	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1575	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	221.21	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1576	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	236.23	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1577	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	251.28	10.18
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1578	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	269.02	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1579	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	284.10	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1580	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	299.15	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1581	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	314.17	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1582	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	331.93	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1583	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	346.95	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1584	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	361.97	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1585	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	379.74	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1586	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	394.83	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1587	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	409.85	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1588	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	236.43	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1589	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	254.00	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1590	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	271.54	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1591	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	289.08	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1592	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	309.32	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1593	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	326.89	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1594	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	344.43	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1595	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	361.97	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1596	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	382.26	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1597	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	399.80	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1598	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	417.34	12.21
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1599	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	437.61	12.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1600	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	455.21	12.88
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1601	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	472.75	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1602	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	332.49	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1603	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	358.80	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1604	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	385.07	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1605	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	411.35	10.85
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1606	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	440.34	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1607	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	466.61	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1608	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	492.92	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1609	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	519.20	11.53
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1610	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	548.20	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1611	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	574.47	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1612	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	600.75	12.21
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1613	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	629.73	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1614	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	656.00	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1615	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	682.28	12.88
		For Four Beveled Edges, Add	.....	1.76	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1616	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	367.69	10.85
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1617	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	397.20	10.85
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1618	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	426.65	10.85
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1619	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	456.16	10.85
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1620	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	488.32	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1621	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	517.80	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1622	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	547.28	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1623	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	576.76	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1624	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	608.93	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1625	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	638.44	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1626	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	667.95	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1627	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	700.10	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1628	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	729.61	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1629	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	759.06	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1630	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	406.41	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 71 11 00-1631	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	439.22	11.53
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1632	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	471.93	11.53
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1633	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	504.74	11.53
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1634	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	540.17	12.21
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1635	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	572.92	12.21
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1636	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	605.69	12.21
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1637	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	638.44	12.21
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1638	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	673.95	12.88
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1639	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	706.66	12.88
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1640	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	739.41	12.88
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1641	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	774.90	13.57
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1642	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	807.65	13.57
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1643	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	840.42	13.57
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1644	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	442.45	11.53
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1645	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	478.52	11.53
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1646	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	514.53	11.53
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1647	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	550.54	11.53
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1648	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	589.34	12.21
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1649	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	625.35	12.21
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1650	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	661.39	12.21
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1651	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	697.40	12.21
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1652	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	736.17	12.88
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1653	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	772.18	12.88
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1654	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	808.22	12.88
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1655	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	846.95	13.57
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1656	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	882.96	13.57
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1657	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	919.04	13.57
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1658	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	478.52	11.53
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1659	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	517.80	11.53
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	
08 71 11 00-1660	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	557.11	11.53
		For Four Beveled Edges, Add		6.30	
		For UL Label (Fire Rated), Add		11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1661	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	596.41	11.53
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1662	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	638.44	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1663	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	677.75	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1664	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	717.11	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1665	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	756.36	12.21
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1666	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	798.37	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1667	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	837.70	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1668	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	877.01	12.88
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1669	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	919.04	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1670	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	958.34	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1671	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	.....	997.65	13.57
		For Four Beveled Edges, Add	.....	6.30	
		For UL Label (Fire Rated), Add	.....	11.40	
08 71 11 00-1672		Plastic Kick Plate (08 71 11 00-0779)			
08 71 11 00-1673		Clear Or Black Finish, Plastic Kick Plate (08 71 11 00-1672)			
		Note: With four beveled edges.			
08 71 11 00-1674	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	65.21	10.18
08 71 11 00-1675	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	67.40	10.18
08 71 11 00-1676	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	69.67	10.18
08 71 11 00-1677	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	71.89	10.18
08 71 11 00-1678	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	76.86	10.85
08 71 11 00-1679	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	79.08	10.85
08 71 11 00-1680	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	81.27	10.85
08 71 11 00-1681	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	83.54	10.85
08 71 11 00-1682	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	91.18	11.53
08 71 11 00-1683	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	90.66	11.53
08 71 11 00-1684	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	92.93	11.53
08 71 11 00-1685	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	97.87	12.21
08 71 11 00-1686	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	100.12	12.21
08 71 11 00-1687	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	102.34	12.21
08 71 11 00-1688	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	71.32	10.18
08 71 11 00-1689	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	74.14	10.18
08 71 11 00-1690	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	76.90	10.18
08 71 11 00-1691	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	79.66	10.18
08 71 11 00-1692	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	85.19	10.85
08 71 11 00-1693	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	87.95	10.85
08 71 11 00-1694	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	90.77	10.85
08 71 11 00-1695	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	93.53	10.85
08 71 11 00-1696	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	99.05	11.53
08 71 11 00-1697	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	101.81	11.53
08 71 11 00-1698	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	104.62	11.53
08 71 11 00-1699	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	110.11	12.21
08 71 11 00-1700	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	112.92	12.21
08 71 11 00-1701	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	115.68	12.21
08 71 11 00-1702	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	77.47	10.18
08 71 11 00-1703	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	80.82	10.18
08 71 11 00-1704	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	84.12	10.18
08 71 11 00-1705	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	87.50	10.18
08 71 11 00-1706	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	93.53	10.85
08 71 11 00-1707	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	96.91	10.85
08 71 11 00-1708	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	100.26	10.85
08 71 11 00-1709	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	103.59	10.85
08 71 11 00-1710	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	109.60	11.53
08 71 11 00-1711	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	112.96	11.53
08 71 11 00-1712	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	116.34	11.53
08 71 11 00-1713	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	122.36	12.21
08 71 11 00-1714	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	125.75	12.21
08 71 11 00-1715	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	129.05	12.21
08 71 11 00-1716	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	86.30	10.85
08 71 11 00-1717	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	90.22	10.85
08 71 11 00-1718	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	94.09	10.85
08 71 11 00-1719	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	98.02	10.85
08 71 11 00-1720	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	104.62	11.53
08 71 11 00-1721	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	.....	108.49	11.53

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 11 00-1722	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.42	11.53	
08 71 11 00-1723	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.34	11.53	
08 71 11 00-1724	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.93	12.21	
08 71 11 00-1725	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	126.86	12.21	
08 71 11 00-1726	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.75	12.21	
08 71 11 00-1727	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.32	12.88	
08 71 11 00-1728	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	141.25	12.88	
08 71 11 00-1729	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.12	12.88	
08 71 11 00-1730	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.78	10.85	
08 71 11 00-1731	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.92	10.85	
08 71 11 00-1732	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.98	10.85	
08 71 11 00-1733	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.12	10.85	
08 71 11 00-1734	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.97	11.53	
08 71 11 00-1735	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	128.09	11.53	
08 71 11 00-1736	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	133.23	11.53	
08 71 11 00-1737	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.32	11.53	
08 71 11 00-1738	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	146.18	12.21	
08 71 11 00-1739	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	151.29	12.21	
08 71 11 00-1740	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	156.43	12.21	
08 71 11 00-1741	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.27	12.88	
08 71 11 00-1742	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	169.33	12.88	
08 71 11 00-1743	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	174.48	12.88	
08 71 11 00-1744	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.79	10.85	
08 71 11 00-1745	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.58	10.85	
08 71 11 00-1746	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.31	10.85	
08 71 11 00-1747	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.10	10.85	
08 71 11 00-1748	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	260.49	11.53	
08 71 11 00-1749	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.32	11.53	
08 71 11 00-1750	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.11	11.53	
08 71 11 00-1751	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	149.84	11.53	
08 71 11 00-1752	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	158.35	12.21	
08 71 11 00-1753	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.12	12.21	
08 71 11 00-1754	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	169.86	12.21	
08 71 11 00-1755	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	178.35	12.88	
08 71 11 00-1756	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	184.08	12.88	
08 71 11 00-1757	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	189.87	12.88	
08 71 11 00-1758	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.56	11.53	
08 71 11 00-1759	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.97	11.53	
08 71 11 00-1760	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.36	11.53	
08 71 11 00-1761	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	135.77	11.53	
08 71 11 00-1762	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.91	12.21	
08 71 11 00-1763	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	151.29	12.21	
08 71 11 00-1764	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.70	12.21	
08 71 11 00-1765	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.12	12.21	
08 71 11 00-1766	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	173.20	12.88	
08 71 11 00-1767	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	179.62	12.88	
08 71 11 00-1768	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	186.00	12.88	
08 71 11 00-1769	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	195.14	13.57	
08 71 11 00-1770	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	201.55	13.57	
08 71 11 00-1771	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	207.94	13.57	
08 71 11 00-1772	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	123.62	11.53	
08 71 11 00-1773	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.63	11.53	
08 71 11 00-1774	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.69	11.53	
08 71 11 00-1775	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.70	11.53	
08 71 11 00-1776	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	154.51	12.21	
08 71 11 00-1777	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	161.57	12.21	
08 71 11 00-1778	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	168.58	12.21	
08 71 11 00-1779	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	175.65	12.21	
08 71 11 00-1780	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	185.35	12.88	
08 71 11 00-1781	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	192.42	12.88	
08 71 11 00-1782	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	199.48	12.88	
08 71 11 00-1783	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	209.21	13.57	
08 71 11 00-1784	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	216.27	13.57	
08 71 11 00-1785	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	223.28	13.57	
08 71 11 00-1786	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.63	11.53	
08 71 11 00-1787	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	138.32	11.53	
08 71 11 00-1788	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	146.03	11.53	
08 71 11 00-1789	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	153.71	11.53	
08 71 11 00-1790	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.12	12.21	
08 71 11 00-1791	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	171.78	12.21	
08 71 11 00-1792	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	179.46	12.21	
08 71 11 00-1793	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	187.17	12.21	
08 71 11 00-1794	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	197.56	12.88	
08 71 11 00-1795	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	205.22	12.88	
08 71 11 00-1796	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	212.90	12.88	
08 71 11 00-1797	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	223.28	13.57	
08 71 11 00-1798	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	231.02	13.57	
08 71 11 00-1799	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	238.70	13.57	

08 71 11 00-1800	Mop Plate (08 71 11 00-0778)
	Note: Ives 8400. See CSI section 08 71 11 00-0778 for 8" High Plates.
08 71 11 00-1801	Aluminum Base Material Mop Plate (08 71 11 00-1800)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-1802 Satin Aluminum Finish, Aluminum Mop Plate (08 71 11 00-1801)

Note: US28

08 71 11 00-1803	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	56.76	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1804	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	58.36	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1805	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	59.89	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1806	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	61.49	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1807	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	64.72	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1808	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	66.25	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1809	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	67.85	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1810	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	69.39	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1811	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	73.29	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1812	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	74.86	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1813	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	76.43	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1814	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	80.70	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1815	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	82.30	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1816	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	83.84	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1817	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	65.41	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1818	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	67.76	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1819	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	70.14	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1820	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	72.49	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1821	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	76.50	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1822	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	78.82	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1823	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	81.23	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1824	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	83.54	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1825	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	88.23	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1826	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	90.58	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1827	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	92.96	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1828	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	98.02	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1829	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	100.40	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1830	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	102.72	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

08 71 11 00-1831 Brass Base Material Mop Plate (08 71 11 00-1800)

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1832		Bright/Satin Brass Finish, Brass Mop Plate (08 71 11 00-1831)		
		Note: US3/US4		
08 71 11 00-1833	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	90.31	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1834	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	94.99	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1835	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	99.60	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1836	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	104.24	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1837	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	110.48	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1838	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	115.09	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1839	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	119.73	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1840	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	124.34	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1841	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	131.30	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1842	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	135.91	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1843	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	140.52	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1844	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	147.87	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1845	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	152.48	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1846	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	157.15	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1847	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	115.80	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1848	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	122.71	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1849	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	129.66	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1850	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	136.58	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1851	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	145.16	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1852	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	152.13	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1853	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	159.02	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1854	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	166.00	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1855	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	175.19	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1856	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	182.17	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1857	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	189.12	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1858	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	198.75	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1859	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	205.69	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1860	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	212.61	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-1861 Satin/Dark Bronze Finish, Brass Mop Plate (08 71 11 00-1831)

Note: US10/US10B

08 71 11 00-1862	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	96.32	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1863	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	101.47	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1864	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	106.65	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1865	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	111.81	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1866	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	118.62	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1867	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	123.80	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1868	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	128.98	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1869	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	134.16	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1870	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	141.60	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1871	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	146.78	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1872	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	151.96	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1873	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	159.85	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1874	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	165.03	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1875	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	170.16	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1876	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	124.73	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1877	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	132.53	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1878	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	140.28	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1879	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	163.11	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1880	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	157.39	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1881	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	165.14	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1882	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	172.88	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1883	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	180.62	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1884	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	190.73	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1885	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	198.48	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1886	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	206.22	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1887	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	216.67	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1888	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	224.42	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1889	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate.....	232.16	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

08 71 11 00-1890 Stainless Base Material Mop Plate (08 71 11 00-1800)

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-1891		Bright/Satin Chrome Finish, Stainless Mop Plate (08 71 11 00-1890) Note: US26/US26D		
08 71 11 00-1892	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	95.42	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1893	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	100.48	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1894	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	105.57	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1895	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	110.66	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1896	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	117.35	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1897	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	122.44	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1898	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	127.53	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1899	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	132.59	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1900	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	140.00	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1901	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	145.12	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1902	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	150.21	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1903	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	158.01	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1904	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	163.07	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1905	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	168.16	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1906	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	123.37	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1907	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	130.96	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1908	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	138.62	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1909	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	146.27	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1910	EA	6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	155.49	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1911	EA	6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	163.14	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1912	EA	6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	170.74	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1913	EA	6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	178.39	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1914	EA	6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	188.35	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1915	EA	6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	195.94	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1916	EA	6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	203.59	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1917	EA	6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	213.90	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1918	EA	6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	221.55	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1919	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	229.17	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-1920 Satin Stainless Finish, Stainless Mop Plate (08 71 11 00-1890)

Note: US32D

08 71 11 00-1921	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	58.28	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1922	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	59.94	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1923	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	61.67	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1924	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	63.36	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1925	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	66.71	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1926	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	68.44	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1927	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	70.10	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1928	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	71.82	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1929	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	75.83	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1930	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	77.55	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1931	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	79.28	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1932	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	83.65	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1933	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	85.37	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1934	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	87.07	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1935	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	67.61	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1936	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	70.19	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1937	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	72.75	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1938	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	75.34	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1939	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	79.49	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1940	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	82.05	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1941	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	84.63	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1942	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	87.19	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1943	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	92.08	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1944	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	94.61	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1945	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	97.16	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1946	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	102.46	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1947	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	104.98	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1948	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	107.57	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-1949		Bright Stainless Finish, Stainless Mop Plate (08 71 11 00-1890)		
		Note: US32		
08 71 11 00-1950	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	80.70	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1951	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	84.47	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1952	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	88.24	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1953	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	91.95	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1954	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	97.35	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1955	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	101.10	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1956	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	104.87	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1957	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	108.64	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1958	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	114.66	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1959	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	118.43	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1960	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	122.20	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1961	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	128.65	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1962	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	132.42	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1963	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	136.13	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1964	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	101.32	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1965	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	107.01	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1966	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	112.63	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1967	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	118.26	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1968	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	125.48	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1969	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	131.11	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1970	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	136.73	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1971	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	142.36	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1972	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	150.32	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1973	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	155.95	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1974	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	161.58	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1975	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	169.91	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1976	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	175.51	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1977	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate.....	181.13	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-1978 Satin Nickel Finish, Stainless Mop Plate (08 71 11 00-1890)

Note: US15

08 71 11 00-1979	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	97.35	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1980	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	102.55	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1981	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	107.85	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1982	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	113.12	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1983	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	120.01	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1984	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	125.25	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1985	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	130.52	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1986	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	135.78	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1987	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	143.39	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1988	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	148.63	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1989	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	153.86	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1990	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	161.87	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1991	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	167.14	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1992	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	172.34	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1993	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	126.27	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1994	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	134.15	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1995	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	142.04	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1996	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	149.92	9.91
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1997	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	159.44	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1998	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	167.32	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1999	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	175.21	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2000	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	183.13	10.31
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2001	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	193.32	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2002	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	201.24	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2003	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	209.12	10.85
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2004	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	219.72	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2005	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	227.60	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	
08 71 11 00-2006	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	235.52	11.53
		For Four Beveled Edges, Add	1.76	
		For UL Label (Fire Rated), Add	11.40	

08 71 11 00-2007 Plastic Mop Plate (08 71 11 00-1800)

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-2008		Clear Or Black Finish, Plastic Mop Plate (08 71 11 00-2007)			
		Note: With four beveled edges.			
08 71 11 00-2009	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	55.10	9.91	
		Note: 4 sides beveled.			
08 71 11 00-2010	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	56.52	9.91	
		Note: 4 sides beveled.			
08 71 11 00-2011	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	57.96	9.91	
		Note: 4 sides beveled.			
08 71 11 00-2012	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	59.38	9.91	
		Note: 4 sides beveled.			
08 71 11 00-2013	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	62.42	10.31	
		Note: 4 sides beveled.			
08 71 11 00-2014	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	63.84	10.31	
		Note: 4 sides beveled.			
08 71 11 00-2015	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	65.25	10.31	
		Note: 4 sides beveled.			
08 71 11 00-2016	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	66.70	10.31	
		Note: 4 sides beveled.			
08 71 11 00-2017	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	70.42	10.85	
		Note: 4 sides beveled.			
08 71 11 00-2018	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	71.84	10.85	
		Note: 4 sides beveled.			
08 71 11 00-2019	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	73.25	10.85	
		Note: 4 sides beveled.			
08 71 11 00-2020	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	77.38	11.53	
		Note: 4 sides beveled.			
08 71 11 00-2021	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	78.83	11.53	
		Note: 4 sides beveled.			
08 71 11 00-2022	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	80.24	11.53	
		Note: 4 sides beveled.			
08 71 11 00-2023	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	62.92	9.91	
		Note: 4 sides beveled.			
08 71 11 00-2024	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	65.07	9.91	
		Note: 4 sides beveled.			
08 71 11 00-2025	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	67.19	9.91	
		Note: 4 sides beveled.			
08 71 11 00-2026	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	69.31	9.91	
		Note: 4 sides beveled.			
08 71 11 00-2027	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	73.10	10.31	
		Note: 4 sides beveled.			
08 71 11 00-2028	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	75.22	10.31	
		Note: 4 sides beveled.			
08 71 11 00-2029	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	77.34	10.31	
		Note: 4 sides beveled.			
08 71 11 00-2030	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	79.47	10.31	
		Note: 4 sides beveled.			
08 71 11 00-2031	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	83.93	10.85	
		Note: 4 sides beveled.			
08 71 11 00-2032	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	86.05	10.85	
		Note: 4 sides beveled.			
08 71 11 00-2033	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	88.18	10.85	
		Note: 4 sides beveled.			
08 71 11 00-2034	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	93.04	11.53	
		Note: 4 sides beveled.			
08 71 11 00-2035	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	95.16	11.53	
		Note: 4 sides beveled.			
08 71 11 00-2036	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate	97.29	11.53	
		Note: 4 sides beveled.			
08 71 11 00-2037		Armor Door Plate (08 71 11 00-0778)			
		Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.			
08 71 11 00-2038	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	32.02	1.70	
08 71 11 00-2039	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	30.53	1.33	
08 71 11 00-2040	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	35.14	1.70	
08 71 11 00-2041	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	33.65	1.33	
08 71 11 00-2042	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	71.32	1.70	
08 71 11 00-2043	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	69.83	1.33	
08 71 11 00-2044		Pull Handle And Plates (08 71 11 00-0778)			
08 71 11 00-2045		Pull Handle (08 71 11 00-2044)			
08 71 11 00-2046	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)	70.22	11.19	
		For Stainless Steel, Add			
		For Brass, Add			
08 71 11 00-2047	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)	73.52	11.19	
		For Stainless Steel, Add			
		For Brass, Add			
08 71 11 00-2048	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)	78.73	11.19	
		For Stainless Steel, Add			
		For Brass, Add			
08 71 11 00-2049	EA	1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)	81.62	11.19	
		For Stainless Steel, Add			
		For Brass, Add			
08 71 11 00-2050	EA	1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)	86.85	11.19	
		For Stainless Steel, Add			
		For Brass, Add			

		Openings	08	08
		Hardware	08 70	
		Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2051	EA		1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12).....	93.61	11.19
			For Stainless Steel, Add	20.52	
			For Brass, Add	27.84	
08 71 11 00-2052	EA		1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6).....	73.77	11.19
			For Stainless Steel, Add	12.18	
			For Brass, Add	16.54	
08 71 11 00-2053	EA		1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8).....	80.98	11.19
			For Stainless Steel, Add	15.21	
			For Brass, Add	20.65	
08 71 11 00-2054	EA		1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10).....	82.16	11.19
			For Stainless Steel, Add	15.71	
			For Brass, Add	21.32	
08 71 11 00-2055	EA		1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8)	154.96	11.19
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	20.83	
			For Brass, Add	19.17	
08 71 11 00-2056	EA		1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0)	159.42	11.19
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	21.67	
			For Brass, Add	19.95	
08 71 11 00-2057	EA		1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2)	168.39	11.19
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	23.37	
			For Brass, Add	21.51	
08 71 11 00-2058	EA		1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18)	220.30	11.19
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	33.18	
			For Brass, Add	30.54	
08 71 11 00-2059 Pull Plate (08 71 11 00-2044)					
08 71 11 00-2060	EA		3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302)	106.47	8.48
			For Stainless Steel, Add	42.81	
			For Brass, Add	54.42	
08 71 11 00-2061	EA		6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	114.74	8.48
			For Stainless Steel, Add	47.69	
			For Brass, Add	60.62	
08 71 11 00-2062	EA		4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	108.99	8.48
			For Stainless Steel, Add	44.30	
			For Brass, Add	56.31	
08 71 11 00-2063 Push Bars And Plates (08 71 11 00-0778)					
08 71 11 00-2064 Push Bars (08 71 11 00-2063)					
08 71 11 00-2065	EA		3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate.....	316.30	8.48
			Note: Up to 34" wide. All finishes.		
08 71 11 00-2066	EA		3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	279.62	8.48
			For Brass Push Bar, Add	42.75	
08 71 11 00-2067	EA		1" Diameter Stainless Steel Push Bar, Up To 34" Wide	289.93	8.48
			For Brass Push Bar, Add	44.55	
08 71 11 00-2068	EA		1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	545.95	8.48
			For Brass Push Bar, Add	89.09	
08 71 11 00-2069 Push Plates (08 71 11 00-2063)					
08 71 11 00-2070 Aluminum Push Plates (08 71 11 00-2069)					
08 71 11 00-2071 Clear Anodized Finish, Aluminum Push Plates (08 71 11 00-2070)					
			Note: Ives 8200 Series.		
08 71 11 00-2072	EA		3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	52.14	8.48
08 71 11 00-2073	EA		4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	52.14	8.48
08 71 11 00-2074	EA		6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	52.14	8.48
08 71 11 00-2075	EA		8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	56.75	8.48
08 71 11 00-2076 Stainless Steel Push Plates (08 71 11 00-2069)					
08 71 11 00-2077 Satin Finish, Stainless Steel Push Plates (08 71 11 00-2076)					
			Note: Ives 8200 Series.		
08 71 11 00-2078	EA		3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	52.14	8.48
08 71 11 00-2079	EA		4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	55.69	8.48
08 71 11 00-2080	EA		6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	63.79	8.48
08 71 11 00-2081	EA		8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	75.77	8.48
08 71 11 00-2082 Brass Push Plates (08 71 11 00-2069)					
08 71 11 00-2083 Bright/Satin Brass Finish, Brass Push Plates (08 71 11 00-2082)					
			Note: Ives 8200 Series.		
08 71 11 00-2084	EA		3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	62.97	8.48
08 71 11 00-2085	EA		4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	72.07	8.48
08 71 11 00-2086	EA		6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	94.00	8.48
08 71 11 00-2087	EA		8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	108.41	8.48
08 71 11 00-2088 Bright/Satin Chrome Finish, Brass Push Plates (08 71 11 00-2082)					
			Note: Ives 8200 Series.		
08 71 11 00-2089	EA		3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	70.25	8.48
08 71 11 00-2090	EA		4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	77.65	8.48
08 71 11 00-2091	EA		6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	97.73	8.48
08 71 11 00-2092	EA		8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	117.54	8.48

08	08	Openings
	08 70	Hardware
	08 71	Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2093			Satin/Dark Bronze Finish, Brass Push Plates (08 71 11 00-2082) Note: Ives 8200 Series.		
08 71 11 00-2094	EA		3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	70.25	8.48
08 71 11 00-2095	EA		4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	77.65	8.48
08 71 11 00-2096	EA		6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	101.28	8.48
08 71 11 00-2097	EA		8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	119.51	8.48
08 71 11 00-2098			Satin Nickel Finish, Brass Push Plates (08 71 11 00-2082) Note: Ives 8200 Series.		
08 71 11 00-2099	EA		3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	70.25	8.48
08 71 11 00-2100	EA		4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	79.50	8.48
08 71 11 00-2101	EA		6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	106.89	8.48
08 71 11 00-2102	EA		8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	125.12	8.48
08 71 11 00-2103			Exit Devices (08 71 11)		
08 71 11 00-2104			Push Bar Exit Device, Von Duprin Series 22 (08 71 11 00-2103) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2105	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series 22)..... Note: Anodized finish: aluminum or dark brown.	858.52	152.60
			For 4' Push Bar, Add	13.87	
08 71 11 00-2106	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F)..... Note: Anodized finish: aluminum or dark brown.	947.87	152.60
			For 4' Push Bar, Add	13.87	
08 71 11 00-2107	EA		3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227)..... Note: Anodized finish: aluminum or dark brown.	1,229.14	183.13
			For 4' Push Bar, Add	13.87	
08 71 11 00-2108	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F)..... Note: Anodized finish: aluminum or dark brown.	1,451.69	169.56
			For 4' Push Bar, Add	13.87	
08 71 11 00-2109	EA		Dummy Trim (Von Duprin Series 22, 210DT) Note: Anodized finish: aluminum or dark brown.	118.31	25.43
08 71 11 00-2110	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL) Note: Anodized finish: aluminum or dark brown.	246.90	33.91
08 71 11 00-2111	EA		Knob Trim With Cylinder (Von Duprin Series 22, 210K) Note: Anodized finish: aluminum or dark brown.	456.55	50.87
08 71 11 00-2112	EA		Lever Trim With Cylinder (Von Duprin Series 22, 230L) Note: Anodized finish: aluminum or dark brown.	452.44	50.87
08 71 11 00-2113	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP)..... Note: Anodized finish: aluminum or dark brown.	451.40	50.87
08 71 11 00-2114	EA		Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE) Note: Anodized finish: aluminum or dark brown.	363.35	50.87
08 71 11 00-2115	EA		Exit Only Trim Plate (Von Duprin Series 22, 230EO)..... Note: Anodized finish: aluminum or dark brown.	146.99	20.35
08 71 11 00-2116	EA		Dummy Trim (Von Duprin Series 22, 230DT) Note: Anodized finish: aluminum or dark brown.	170.85	25.43
08 71 11 00-2117	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL) Note: Anodized finish: aluminum or dark brown.	301.50	33.91
08 71 11 00-2118	EA		Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE)..... Note: Anodized finish: aluminum or dark brown.	359.24	50.87
08 71 11 00-2119	EA		Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE)..... Note: Anodized finish: aluminum or dark brown.	358.20	50.87
08 71 11 00-2120			Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 (08 71 11 00-2103) Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2121	EA		3' Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35) Note: Aluminum anodized finish.	1,803.50	152.60
			For 4' Push Bar, Add	13.87	
			For Accessible Device (AX), Add	139.66	
			For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	143.01	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	134.77	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	53.07	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	407.79	
08 71 11 00-2122	EA		3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527) Note: Aluminum anodized finish.	2,452.25	183.13
			For 4' Push Bar, Add	13.87	
			For Accessible Device (AX), Add	196.39	
			For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	201.11	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	189.52	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	74.63	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	573.46	
08 71 11 00-2123	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F) Note: Aluminum anodized finish.	2,499.84	183.13
			For 4' Push Bar, Add	13.87	
			For Accessible Device (AX), Add	201.15	
			For DuraNodic Dark Bronze US313 (BHMA 710) Finish, Add	205.98	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	194.11	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	76.44	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	587.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2124	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547) Note: Aluminum anodized finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	2,544.40 13.87 198.15 202.90 191.21 75.30 578.59	210.25
08 71 11 00-2125	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F) Note: Aluminum anodized finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	2,667.14 13.87 210.42 215.47 203.06 79.96 614.43	210.25
08 71 11 00-2126	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548) Note: Aluminum anodized finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	2,838.73 13.87 227.58 233.04 219.61 86.48 664.53	210.25
08 71 11 00-2127	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F) Note: Aluminum anodized finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	2,961.47 13.87 239.85 245.61 231.46 91.14 700.37	210.25
08 71 11 00-2128	EA		Dummy Trim (Von Duprin Series 33/35, DT) Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	403.48 32.39 12.76 98.01	25.43
08 71 11 00-2129	EA		Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP) Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	456.39 34.88 13.73 105.54	33.91
08 71 11 00-2130	EA		Lever Latch With Cylinder (Von Duprin Series 33/35, 360L) Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	735.02 61.77 24.32 186.90	33.91
08 71 11 00-2131	EA		Lever Trim With Cylinder (Von Duprin Series 33/35, 360L) Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	752.60 59.54 23.44 180.15	50.87
08 71 11 00-2132	EA		Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE) Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	890.17 72.81 28.67 220.32	50.87
08 71 11 00-2133	EA		Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT) Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	872.82 71.14 28.01 215.25	50.87
08 71 11 00-2134	EA		Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T) Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	880.93 71.92 28.32 217.62	50.87
08 71 11 00-2135			Push Bar Exit Device, Von Duprin Series 98/99 (08 71 11 00-2103) Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2136	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	1,660.98 13.00 76.50 121.64 194.37 397.53 125.40 184.34 65.17 272.84 181.61 166.84 867.08 84.29 304.12 125.40	152.60

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-2137	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F).....	1,880.34	152.60
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	89.88	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	142.92	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	228.38	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	467.06	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	147.34	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	216.59	
		For Quiet Electric Latch Retraction (QEL), Add	867.08	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	84.29	
		For Safety Glow Touchpad, Add	304.12	
		For Accessible Device (AX), Add	147.34	
08 71 11 00-2138	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99)	1,499.09	152.60
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	66.62	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	105.94	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	169.28	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	346.21	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	109.21	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	160.54	
		For Standard Baseplate Cylinder Dogging (CD), Add	65.17	
		For Special Center Case Dogging (SD), Add	272.84	
		For Cylinder Dogging Indicator (CI), Add	181.61	
		For Dogging Indicator (DI), Add	166.84	
		For Quiet Electric Latch Retraction (QEL), Add	867.08	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	84.29	
		For Safety Glow Touchpad, Add	304.12	
		For Accessible Device (AX), Add	109.21	
08 71 11 00-2139	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F)	1,666.00	152.60
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	76.80	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	122.13	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	195.15	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	399.12	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	125.91	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	185.08	
		For Quiet Electric Latch Retraction (QEL), Add	867.08	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	84.29	
		For Safety Glow Touchpad, Add	304.12	
		For Accessible Device (AX), Add	125.91	
08 71 11 00-2140	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927)	2,360.79	183.13
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	114.22	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	181.63	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	290.23	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	593.57	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	187.25	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	275.25	
		For Standard Baseplate Cylinder Dogging (CD), Add	65.17	
		For Special Center Case Dogging (SD), Add	272.84	
		For Cylinder Dogging Indicator (CI), Add	181.61	
		For Dogging Indicator (DI), Add	166.84	
		For Quiet Electric Latch Retraction (QEL), Add	867.08	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	84.29	
		For Safety Glow Touchpad, Add	304.12	
		For Accessible Device (AX), Add	187.25	
08 71 11 00-2141	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F)	2,658.11	183.13
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	132.36	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	210.47	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	336.32	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	687.82	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	216.98	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	318.96	
		For Quiet Electric Latch Retraction (QEL), Add	867.08	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	84.29	
		For Safety Glow Touchpad, Add	304.12	
		For Accessible Device (AX), Add	216.98	
08 71 11 00-2142	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947)	2,484.29	210.25
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	178.69	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	186.37	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	297.81	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	609.07	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	192.14	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	282.44	
		For Standard Baseplate Cylinder Dogging (CD), Add	65.17	
		For Special Center Case Dogging (SD), Add	272.84	
		For Cylinder Dogging Indicator (CI), Add	181.61	
		For Dogging Indicator (DI), Add	166.84	
		For Quiet Electric Latch Retraction (QEL), Add	867.08	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	84.29	
		For Safety Glow Touchpad, Add	304.12	
		For Accessible Device (AX), Add	192.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2143	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,788.22 13.00 206.95 215.85 344.92 705.41 222.53 327.12 867.08 84.29 304.12 222.53	210.25
08 71 11 00-2144	EA		3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,794.82 13.00 207.56 216.49 345.94 707.51 223.19 328.09 65.17 272.84 181.61 166.84 867.08 84.29 304.12 223.19	210.25
08 71 11 00-2145	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,540.13 13.00 183.88 191.79 306.46 626.77 197.72 290.65 867.08 84.29 304.12 197.72	210.25
08 71 11 00-2146	EA		3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,233.09 13.00 155.32 162.00 258.87 529.44 167.02 245.51 65.17 272.84 181.61 166.84 867.08 84.29 304.12 167.02	210.25
08 71 11 00-2147	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,499.95 13.00 180.14 187.89 300.24 614.03 193.70 284.74 867.08 84.29 304.12 193.70	210.25
08 71 11 00-2148	EA		3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,399.58 13.00 116.59 185.39 296.24 605.87 191.13 280.95 65.17 272.84 181.61 166.84 867.08 84.29 304.12 191.13	183.13

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2149	EA	3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F)	2,553.10	183.13
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.				
For 4' Push Bar, Add			13.00	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add			125.95	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add			200.28	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add			320.04	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add			654.53	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add			206.48	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add			303.52	
For Standard Baseplate Cylinder Dogging (CD), Add			65.17	
For Special Center Case Dogging (SD), Add			272.84	
For Cylinder Dogging Indicator (CI), Add			181.61	
For Dogging Indicator (DI), Add			166.84	
For Quiet Electric Latch Retraction (QEL), Add			867.08	
For Vision Impaired Touchpad, Raised Letters and Braille, Add			84.29	
For Safety Glow Touchpad, Add			304.12	
For Accessible Device (AX), Add			206.48	
08 71 11 00-2150	EA	3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975)	2,341.49	189.91
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.				
For 4' Push Bar, Add			13.00	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add			67.81	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add			177.78	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add			284.09	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add			581.00	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add			183.28	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add			269.42	
For Standard Baseplate Cylinder Dogging (CD), Add			65.17	
For Special Center Case Dogging (SD), Add			272.84	
For Cylinder Dogging Indicator (CI), Add			181.61	
For Dogging Indicator (DI), Add			166.84	
For Quiet Electric Latch Retraction (QEL), Add			867.08	
For Vision Impaired Touchpad, Raised Letters and Braille, Add			84.29	
For Safety Glow Touchpad, Add			304.12	
For Accessible Device (AX), Add			183.28	
08 71 11 00-2151	EA	3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F)	2,564.80	189.91
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.				
For 4' Push Bar, Add			13.00	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add			76.08	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add			199.44	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add			318.70	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add			651.79	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add			205.61	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add			302.25	
For Quiet Electric Latch Retraction (QEL), Add			867.08	
For Vision Impaired Touchpad, Raised Letters and Braille, Add			84.29	
For Safety Glow Touchpad, Add			304.12	
For Accessible Device (AX), Add			205.61	
08 71 11 00-2152	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949)	2,134.18	210.25
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.				
For 4' Push Bar, Add			13.00	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add			146.13	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add			152.41	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add			243.54	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add			498.08	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add			157.12	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add			230.97	
For Standard Baseplate Cylinder Dogging (CD), Add			65.17	
For Special Center Case Dogging (SD), Add			272.84	
For Cylinder Dogging Indicator (CI), Add			181.61	
For Dogging Indicator (DI), Add			166.84	
For Quiet Electric Latch Retraction (QEL), Add			867.08	
For Vision Impaired Touchpad, Raised Letters and Braille, Add			84.29	
For Safety Glow Touchpad, Add			304.12	
For Accessible Device (AX), Add			157.12	
08 71 11 00-2153	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849-F/9949-F)	2,307.27	210.25
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.				
For 4' Push Bar, Add			13.00	
For Duralodic Dark Bronze US313 (BHMA 710) Finish, Add			162.22	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add			169.20	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add			270.37	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add			552.95	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add			174.43	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add			256.42	
For Standard Baseplate Cylinder Dogging (CD), Add			65.17	
For Special Center Case Dogging (SD), Add			272.84	
For Cylinder Dogging Indicator (CI), Add			181.61	
For Dogging Indicator (DI), Add			166.84	
For Quiet Electric Latch Retraction (QEL), Add			867.08	
For Vision Impaired Touchpad, Raised Letters and Braille, Add			84.29	
For Safety Glow Touchpad, Add			304.12	
For Accessible Device (AX), Add			174.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2154	EA		3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,313.45	210.25
08 71 11 00-2155	EA		3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	2,622.55	210.25
08 71 11 00-2156	EA		3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99)..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Center Case Dogging (CD-CX), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	3,650.13	176.34
08 71 11 00-2157	EA		3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	3,869.49	176.34
08 71 11 00-2158	EA		3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Center Case Dogging (CD-CX), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	4,344.21	217.04
08 71 11 00-2159	EA		3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F)..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add For Accessible Device (AX), Add	4,567.54	217.04

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-2160	EA	3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99).....	2,355.15	176.34
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	291.46	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	596.08	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	188.04	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	69.95	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	107.93	
		For Standard Baseplate Cylinder Dogging (CD), Add	65.17	
		For Special Center Case Dogging (SD), Add	272.84	
		For Dogging Indicator (DI), Add	166.84	
		For Quiet Electric Latch Retraction (QEL), Add	867.08	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	84.29	
		For Safety Glow Touchpad, Add	304.12	
		For Accessible Device (AX), Add	188.04	
08 71 11 00-2161	EA	3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F)	2,574.51	176.34
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	325.46	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	665.62	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	209.98	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	78.11	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	120.53	
		For Quiet Electric Latch Retraction (QEL), Add	867.08	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	84.29	
		For Safety Glow Touchpad, Add	304.12	
		For Accessible Device (AX), Add	209.98	
08 71 11 00-2162	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975)	3,049.23	217.04
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	381.17	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	779.56	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	245.92	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	91.48	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	141.16	
		For Standard Baseplate Cylinder Dogging (CD), Add	65.17	
		For Special Center Case Dogging (SD), Add	272.84	
		For Dogging Indicator (DI), Add	166.84	
		For Quiet Electric Latch Retraction (QEL), Add	867.08	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	84.29	
		For Safety Glow Touchpad, Add	304.12	
		For Accessible Device (AX), Add	245.92	
08 71 11 00-2163	EA	3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F)	3,272.54	217.04
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	415.78	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	850.35	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	268.25	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	99.79	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	153.97	
		For Quiet Electric Latch Retraction (QEL), Add	867.08	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	84.29	
		For Safety Glow Touchpad, Add	304.12	
		For Accessible Device (AX), Add	268.25	
08 71 11 00-2164	EA	Exit Only Trim Plate (Von Duprin Series 98/99, EO).....	194.68	20.35
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.21	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.32	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	23.87	
08 71 11 00-2165	EA	Dummy Trim (Von Duprin Series 98/99, 990DT)	286.24	25.43
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.55	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.83	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	37.13	
08 71 11 00-2166	EA	Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL)	422.19	33.91
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.82	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.73	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	55.63	
08 71 11 00-2167	EA	Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL)	328.98	33.91
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	7.02	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.53	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	39.78	
08 71 11 00-2168	EA	Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L)	733.68	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	17.94	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	26.91	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	101.67	
08 71 11 00-2169	EA	Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L)	640.47	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	15.14	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	22.72	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	85.82	
08 71 11 00-2170	EA	Blank Escutcheon, Lever ((Von Duprin Series 98/99, 996L-BE)	640.47	50.87
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	15.14	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	22.72	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	85.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2171	EA		Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL).....	622.24	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	14.60	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	21.90	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	82.72	
08 71 11 00-2172	EA		Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL)	529.03	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.80	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	17.70	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	66.87	
08 71 11 00-2173	EA		Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT)).....	529.03	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.80	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	17.70	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	66.87	
08 71 11 00-2174	EA		Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K).....	604.42	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	14.06	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	21.09	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	79.69	
08 71 11 00-2175	EA		Knob Trim Without Cylinder (Von Duprin Series 98/99, K)	511.21	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.27	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.90	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	63.85	
08 71 11 00-2176	EA		Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE)	511.21	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	11.27	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.90	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	63.85	
08 71 11 00-2177	EA		Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL).....	594.38	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	13.76	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	20.64	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	77.98	
08 71 11 00-2178	EA		Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL).....	501.18	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.97	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.45	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	62.14	
08 71 11 00-2179	EA		Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT).....	501.18	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.97	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.45	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	62.14	
08 71 11 00-2180	EA		Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)	539.77	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	12.12	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	18.19	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	68.70	
08 71 11 00-2181	EA		Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP).....	446.57	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.33	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.99	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	52.86	
08 71 11 00-2182	EA		Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE).....	446.57	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.33	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.99	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	52.86	
08 71 11 00-2183	EA		Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)	445.56	50.87
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.30	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.95	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	52.68	
08 71 11 00-2184			Option And Kits For Series 22, 33, 35, 98 Or 99 (08 71 11 00-2103)		
08 71 11 00-2185	EA		Alarm Kit With Switch And 9 Volt Battery Back-up.....	1,033.04	50.87
08 71 11 00-2186	EA		4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	883.70	50.87
			For Battery Backup (Includes Board And 2 Batteries), Add	61.90	
			For Fire Alarm Interface, Add	30.95	
			For 2 Relay Panic Device Control Board, Add	71.80	
			For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	84.18	
			For 4 Relay Output Board, Add	69.32	
			For 4 Relay Logic Board, Add	190.13	
			For Fused 8 Zone Distribution Board, Add	24.76	
08 71 11 00-2187	EA		Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	678.86	50.87
08 71 11 00-2188	EA		2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902).....	430.04	50.87
			For Battery Backup (Includes Board And 2 Batteries), Add	61.90	
			For Fire Alarm Interface, Add	30.95	
			For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	84.18	
			For 4 Relay Output Board, Add	69.32	
			For 4 Relay Logic Board, Add	190.13	
			For Fused 8 Zone Distribution Board, Add	24.76	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 71 11 00-2189	EA 4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904).....	690.55		50.87	
	For Battery Backup (Includes Board And 2 Batteries), Add	61.90			
	For Fire Alarm Interface, Add	30.95			
	For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	84.18			
	For 4 Relay Output Board, Add	69.32			
	For 4 Relay Logic Board, Add	190.13			
	For Fused 8 Zone Distribution Board, Add	24.76			
08 71 11 00-2190	EA Request to Exit Push Pad Monitor Switch (RX)	246.55		33.91	
08 71 11 00-2191	EA EL Conversion Kit, Electric Latch Retraction (Von Duprin)	1,126.48			
	Note: For Von Duprin Series 33A/35A/98/99 Exit Device				
08 71 11 00-2192 Removable Verticals, Mullions (Von Duprin) (08 71 11 00-2103)					
08 71 11 00-2193	EA 7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72)	609.60		33.91	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-473.95			
08 71 11 00-2194	EA 8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82)	646.69		33.91	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-511.04			
08 71 11 00-2195	EA 10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102)	1,046.77		33.91	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-911.12			
08 71 11 00-2196	EA 7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76)	1,032.37		40.69	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-869.59			
08 71 11 00-2197	EA 8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86)	1,069.46		40.69	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-906.68			
08 71 11 00-2198	EA 10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106)	1,150.86		40.69	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-988.08			
08 71 11 00-2199	EA 7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....	1,076.50		33.91	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-940.85			
08 71 11 00-2200	EA 8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....	1,125.39		33.91	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-989.74			
08 71 11 00-2201	EA 10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....	1,224.50		33.91	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-1,088.85			
08 71 11 00-2202	EA 7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....	1,662.59		40.69	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-1,499.81			
08 71 11 00-2203	EA 8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....	1,711.48		40.69	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-1,548.70			
08 71 11 00-2204	EA 10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....	3,247.90		40.69	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-3,085.12			
08 71 11 00-2205	EA Mullion Stabilizer Set (Von Duprin 154)	131.53		27.13	
	Note: For use with Von Duprin Panic rim devices.				
	For Owner Furnished Material, Deduct	-77.27			
08 71 11 00-2206 Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 (08 71 11 00-2103)					
	Note: Grade 1, BHMA 156.3.				
08 71 11 00-2207	EA 42" Crossbar Exit Device, Rim Type, Narrow Stile	2,374.87		152.60	
	Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.				
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	247.96			
	For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	285.35			
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	375.87			
	For Bright Stainless Steel US32 (BHMA 629) Finish, Add	409.33			
08 71 11 00-2208	EA 42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile	3,063.54		210.25	
	Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.				
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	315.08			
	For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	362.59			
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	477.61			
	For Bright Stainless Steel US32 (BHMA 629) Finish, Add	520.12			
08 71 11 00-2209	EA 42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated.....	3,342.75		210.25	
	Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.				
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	350.26			
	For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	403.07			
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	530.94			
	For Bright Stainless Steel US32 (BHMA 629) Finish, Add	578.20			
08 71 11 00-2210	EA 42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile	3,132.57		210.25	
	Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.				
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	323.77			
	For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	372.60			
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	490.80			
	For Bright Stainless Steel US32 (BHMA 629) Finish, Add	534.48			
08 71 11 00-2211	EA 42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated	3,403.54		210.25	
	Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.				
	For Satin Chrome Plated US26D (BHMA 626) Finish, Add	357.92			
	For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	411.89			
	For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	542.55			
	For Bright Stainless Steel US32 (BHMA 629) Finish, Add	590.84			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2212	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,385.91 236.53 272.20 358.55 390.47	189.91
08 71 11 00-2213	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,568.28 259.51 298.64 393.39 428.40	189.91
08 71 11 00-2214	EA		Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	406.80 42.71 49.15 64.75 70.51	25.43
08 71 11 00-2215	EA		Cylinder Assembly, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	190.78 12.07 13.89 18.30 19.93	35.94
08 71 11 00-2216	EA		Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	676.54 73.28 84.33 111.08 120.97	35.94
08 71 11 00-2217	EA		Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	729.59 74.84 86.12 113.44 123.54	50.87
08 71 11 00-2218	EA		Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	603.41 58.94 67.83 89.34 97.29	50.87
08 71 11 00-2219	EA		Lever Trim (371L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	729.59 74.84 86.12 113.44 123.54	50.87
08 71 11 00-2220	EA		Lever Trim (575L) With Cylinder, Von Duprin Series 55 Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	838.81 88.60 101.96 134.30 146.26	50.87
08 71 11 00-2221			Cross Bar Exit Device, Von Duprin Series 88 (08 71 11 00-2103) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2222	EA		42" Crossbar, Rim Type, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,522.79 34.59 35.71 304.62	152.60
08 71 11 00-2223	EA		42" Crossbar, Fire Rated, Rim Type, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,769.04 42.22 43.59 371.85	152.60
08 71 11 00-2224	EA		42" Crossbar, Surface Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,965.82 45.80 47.28 403.35	183.13
08 71 11 00-2225	EA		42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,498.48 62.31 64.32 548.77	183.13
08 71 11 00-2226	EA		42" Crossbar, Concealed Vertical Rods, Exit Device..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,906.38 41.65 42.99 366.76	210.25
08 71 11 00-2227	EA		42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,390.74 56.66 58.49 498.99	210.25

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-2228	EA	42" Crossbar, Mortise Lock, Exit Device.....	2,033.54	189.91
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	47.27	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	48.80	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	416.29	
08 71 11 00-2229	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device.....	2,159.25	189.91
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	51.17	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	52.82	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	450.61	
08 71 11 00-2230	EA	Dummy Trim (Von Duprin Series 88, DT).....	230.62	25.43
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	5.05	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	5.21	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	44.44	
08 71 11 00-2231	EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL).....	360.22	33.91
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	8.22	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	8.49	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	72.42	
08 71 11 00-2232	EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T).....	636.39	50.87
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	15.52	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	16.02	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	136.70	
08 71 11 00-2233	EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L).....	595.17	50.87
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	14.25	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	14.70	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	125.45	
08 71 11 00-2234	EA	Knob Trim With Cylinder (Von Duprin Series 88, K).....	448.31	50.87
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	9.69	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	10.01	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	85.36	
08 71 11 00-2235	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP).....	448.31	50.87
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	9.69	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	10.01	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	85.36	

08 71 11 00-2236 Push Bar Exit Device, Narrow Stile, Adams Rite Series 8800
(08 71 11 00-2103)

Note: Grade 1, BHMA 156.3.

08 71 11 00-2237	EA	30" to 48" Push Bar Exit Device, Rim Type, Narrow Stile.....	1,260.97	152.60
		Note: Adams Rite 8800		
08 71 11 00-2238	EA	Clutch Lever Entry Trim, Adams Rite Model 3081.....	739.29	50.87
08 71 11 00-2239	EA	Clutch Lever Entry Trim, Adams Rite Model 3082 Or 3083.....	639.57	50.87
08 71 11 00-2240	EA	Thumbturn Trim, Adams Rite Model 8066.....	486.11	50.87
08 71 11 00-2241	EA	Mortise Cylinder, Adams Rite Model 4036-01.....	95.06	50.87
08 71 11 00-2242	EA	Rim Cylinder, Adams Rite Model 8736.....	104.70	50.87

08 71 11 00-2243 Push Bar Exit Device, Precision Hardware Apex 2000 Series
(08 71 11 00-2103)

Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.

08 71 11 00-2244	EA	3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series).....	2,266.48	152.60
		For 4' Push Bar, Add	13.87	
		For Owner Furnished Material, Deduct	-1,859.53	
08 71 11 00-2245	EA	3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series).....	2,394.25	152.60
		For 4' Push Bar, Add	13.87	
		For Owner Furnished Material, Deduct	-1,987.30	
08 71 11 00-2246	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series).....	3,112.85	183.13
		For 4' Push Bar, Add	13.87	
		For Owner Furnished Material, Deduct	-2,624.52	
08 71 11 00-2247	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series).....	3,240.62	183.13
		For 4' Push Bar, Add	13.87	
		For Owner Furnished Material, Deduct	-2,752.29	
08 71 11 00-2248	EA	Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901).....	276.20	20.35
		For Owner Furnished Material, Deduct	-221.94	
08 71 11 00-2249	EA	Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A).....	742.02	25.43
		For Owner Furnished Material, Deduct	-674.20	
08 71 11 00-2250	EA	Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A).....	809.85	50.87
		For Owner Furnished Material, Deduct	-674.20	
08 71 11 00-2251	EA	Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A).....	977.99	50.87
		For Owner Furnished Material, Deduct	-842.34	
08 71 11 00-2252	EA	Key Controls Lever, Lever/Knob Trim (Precision V4908A).....	977.99	50.87
		For Owner Furnished Material, Deduct	-842.34	
08 71 11 00-2253	EA	Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A).....	977.99	50.87
		For Owner Furnished Material, Deduct	-842.34	
08 71 11 00-2254	EA	Exit Only, Cover Plate, Pull Trim (Precision 1701).....	202.20	20.35
		For Owner Furnished Material, Deduct	-147.94	
08 71 11 00-2255	EA	Exit Only, Dummy Trim, Pull Trim (Precision 1702A).....	434.35	25.43
		For Owner Furnished Material, Deduct	-366.53	
08 71 11 00-2256	EA	Key Retracts Latchbolt, Pull Trim (Precision 1703A).....	461.49	33.91
		For Owner Furnished Material, Deduct	-366.53	
08 71 11 00-2257	EA	Key Controls Thumb Piece, Pull Trim (Precision 1705A).....	650.12	50.87
		For Owner Furnished Material, Deduct	-514.47	
08 71 11 00-2258	EA	Thumb Piece Always Active, Pull Trim (Precision 1715A).....	650.12	50.87
		For Owner Furnished Material, Deduct	-514.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2259 Door Closers (08 71 11)					
Note: Includes standard cover and arm.					
08 71 11 00-2260	EA		Surface Mounted Standard Duty Door Closer (LCN 1460 Series).....	535.48	39.33
			For Delayed Action, Add	12.60	
			For AVB (5 Lb. Per Push), Add	6.60	
			For Fusible Link Arm, Add	39.60	
			For Shock Absorbing Arm, Add	19.80	
			For Hold Open Arm, Add	13.80	
			For Plated Brass Finish, Add	101.40	
			For Plated Finish With Clear Coat, Add	127.20	
			For Parallel Arm, Add	22.40	
08 71 11 00-2261	EA		Surface Mounted Heavy-Duty Door Closer (LCN 4010/4020/4110 Series).....	648.51	39.33
			For Delayed Action, Add	12.60	
			For AVB (5 Lb. Per Push), Add	6.60	
			For Fusible Link Arm, Add	39.60	
			For Shock Absorbing Arm, Add	19.80	
			For Hold Open Arm, Add	13.80	
			For Plated Brass Finish, Add	101.40	
			For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2262	EA		Surface Mounted Heavy-Duty Door Closer (LCN 4040XP/4041 Series).....	666.48	39.33
			For Delayed Action, Add	12.60	
			For AVB (5 Lb. Per Push), Add	6.60	
			For Fusible Link Arm, Add	39.60	
			For Shock Absorbing Arm, Add	19.80	
			For Hold Open Arm, Add	13.80	
			For Plated Brass Finish, Add	101.40	
			For Plated Finish With Clear Coat, Add	127.20	
			For Spring Cush Arm, Add	67.20	
			For Parallel Arm And PA Shoe, Add	22.40	
			For Stainless Steel Finish, Add	145.00	
08 71 11 00-2263	EA		Surface Mounted High Security Door Closer With Metal Cover (LCN 4510).....	688.97	39.33
			For Delayed Action, Add	12.60	
			For AVB (5 Lb. Per Push), Add	6.60	
			For Fusible Link Arm, Add	39.60	
			For Shock Absorbing Arm, Add	19.80	
			For Hold Open Arm, Add	13.80	
			For Plated Brass Finish, Add	101.40	
			For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2264	EA		Surface Mounted Standard Duty Door Closer (Norton 8301).....	450.83	39.33
			For Parallel Arm, Add	22.40	
08 71 11 00-2265	EA		Surface Mounted Standard Duty Door Closer (Norton 8501).....	454.61	39.33
			For Parallel Arm, Add	22.40	
08 71 11 00-2266 Concealed Door Closers (08 71 11)					
08 71 11 00-2267	EA		Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28).....	1,513.24	116.66
08 71 11 00-2268	EA		Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27).....	1,619.17	116.66
08 71 11 00-2269	EA		Concealed (In Door) Overhead Door Closer (LCN 3130).....	766.24	47.48
			For Hold Open Arm, Add	13.80	
			For Plated Brass Finish, Add	101.40	
			For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2270	EA		Concealed (In Frame) Overhead Door Closer (LCN 5010).....	828.21	47.48
			For Delayed Action, Add	12.60	
			For Hold Open Arm, Add	13.80	
			For Plated Brass Finish, Add	101.40	
			For Plated Finish With Clear Coat, Add	127.20	
08 71 11 00-2271 Locks And Latches (08 71 11)					
Note: All locksets are supplied with strike plate, knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.					
08 71 11 00-2272 Locksmith Services (08 71 11 00-2271)					
08 71 11 00-2273	EA		Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	2.18	
			For >50, Deduct	-0.44	
08 71 11 00-2274	EA		Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	162.84	
			For >5, Deduct	-16.28	
08 71 11 00-2275	EA		Removal And Replacement Of Cylinder With Owner Supplied Cylinder.....	162.84	
			For >5, Deduct	-16.28	
08 71 11 00-2276	EA		Removal And Replacement Of Cylinder With New Cylinder.....	186.03	
			Note: Excludes core.		
			For >5, Deduct	-16.28	
08 71 11 00-2277	EA		Open Locked Doors.....	162.84	
08 71 11 00-2278	EA		Install Owner Furnished Cores And Cylinders.....	68.23	
08 71 11 00-2279 Mortise Locksets And Latchsets (08 71 11 00-2271)					
Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.					
08 71 11 00-2280	EA		Passage/Closet F01 Mortise Latchset.....	884.63	33.91
			Note: Both sides always unlocked.		
			For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	24.72	
			For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	22.47	
			For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	37.45	
			For Satin Stainless Steel US32D (BHMA 630) Finish, Add	264.39	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 71 11 00-2281	EA	Bath/Bedroom Privacy F02/F19 Mortise Lockset..... Note: Locked with thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,051.05 30.21 27.46 45.77 323.14	33.91
08 71 11 00-2282	EA	Entrance/Office F04 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,168.76 34.09 30.99 51.66 364.69	33.91
08 71 11 00-2283	EA	Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Security Function (Double Cylinder) With Visual Indicator, Add	1,091.44 31.54 28.67 47.79 337.39 81.32	33.91
08 71 11 00-2284	EA	Storeroom/Closet F07 Mortise Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,091.44 31.54 28.67 47.79 337.39	33.91
08 71 11 00-2285	EA	Entrance F08 Mortise Lockset Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,218.05 35.72 32.47 54.12 382.09	33.91
08 71 11 00-2286	EA	Dormitory/Exit F13 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add	1,049.89 30.17 27.43 45.71 322.73	33.91

08 71 11 00-2287 Locks And Latches (08 71 11 00-2271)**08 71 11 00-2288 Preassembled Locks And Latches (08 71 11 00-2287)**

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.				
08 71 11 00-2289	EA	Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210)..... Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	1,979.58 56.34 93.89 662.88 349.28 -730.48	33.91
08 71 11 00-2290	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220)..... Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	2,143.75 61.26 102.10 720.83 379.81 -794.34	33.91
08 71 11 00-2291	EA	Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261)..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	2,438.12 70.09 116.82 824.74 434.57 -908.85	33.91
08 71 11 00-2292	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)..... Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	2,438.12 70.09 116.82 824.74 434.57 -908.85	33.91
08 71 11 00-2293	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct	2,438.12 70.09 116.82 824.74 434.57 -908.85	33.91

08 71 11 00-2294 Bored Locks And Latches (08 71 11 00-2287)

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.				
08 71 11 00-2295	EA	Passage/Closet F75 Bored Latchset Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	323.06 5.62 9.37 66.16 34.86 -9.37 3.75 9.45	33.91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2296	EA		Bath/Bedroom Privacy F76 Bored Lockset Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	367.75 6.96 11.61 81.93 43.17 -11.61 4.64 9.45	33.91
08 71 11 00-2297	EA		Entrance/Office F82 Bored Lockset Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	403.79 8.04 13.41 94.65 49.87 -13.41 5.36 9.45	33.91
08 71 11 00-2298	EA		Classroom F84 Bored Lockset Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	403.79 8.04 13.41 94.65 49.87 -13.41 5.36 9.45	33.91
08 71 11 00-2299	EA		Storeroom/Closet F86 Bored Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	403.79 8.04 13.41 94.65 49.87 -13.41 5.36 9.45	33.91
08 71 11 00-2300	EA		Corridor/Dormitory F90 Bored Lockset Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	403.79 8.04 13.41 94.65 49.87 -13.41 5.36 9.45	33.91
08 71 11 00-2301			Hospital Locksets (08 71 11 00-2287) Note: Satin chrome plated US 26D. (BHMA 626) - BHMA 156.2-1989 Grade 1.		
08 71 11 00-2302	EA		Push/Pull Hospital Latch (Glynn Johnson HL6) For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Bright Chrome Plated US26 (BHMA 625) Finish, Add	637.94 116.91 116.91 79.80 70.52 107.63	33.91
08 71 11 00-2303	EA		Push/Pull With Thumbturn Hospital Latch (Glynn Johnson PL7 / PL8) For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Bright Chrome Plated US26 (BHMA 625) Finish, Add	722.07 116.91 116.91 79.80 70.52 107.63	33.91
08 71 11 00-2304			Other Locks (08 71 11 00-2271) Note: BHMA A156.5.		
08 71 11 00-2305	EA		Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	1,119.19	176.34
08 71 11 00-2306	EA		Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	2,532.38	352.68
08 71 11 00-2307			Pushbutton Combination Locks (08 71 11 00-2271)		
08 71 11 00-2308			Mechanical Pushbutton Combination Locks (08 71 11 00-2307) Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2309			Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series) (08 71 11 00-2308) Note: Satin chrome or antique brass finish.		
08 71 11 00-2310	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series) For Bright Chrome Or Bright Brass Finish, Add For Schlage Core, Add For Fire Rated, Add	901.89 17.50 49.35 67.52	85.29
08 71 11 00-2311	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series) For Bright Chrome Or Bright Brass Finish, Add For Schlage Core, Add For Fire Rated, Add	967.86 17.50 49.35 67.52	85.29

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-2312	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series).....	994.24	85.29	
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
		For Schlage Core, Add	49.35		
		For Fire Rated, Add	67.52		
08 71 11 00-2313	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series).....	1,060.21	85.29	
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
		For Schlage Core, Add	49.35		
		For Fire Rated, Add	67.52		
08 71 11 00-2314	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series).....	1,014.03	85.29	
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
		For Schlage Core, Add	49.35		
		For Fire Rated, Add	67.52		
08 71 11 00-2315	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series).....	1,080.00	85.29	
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
		For Schlage Core, Add	49.35		
		For Fire Rated, Add	67.52		
08 71 11 00-2316	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series).....	1,106.39	85.29	
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
		For Schlage Core, Add	49.35		
		For Fire Rated, Add	67.52		
08 71 11 00-2317	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series).....	1,172.36	85.29	
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
		For Schlage Core, Add	49.35		
		For Fire Rated, Add	67.52		
08 71 11 00-2318 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)					
(08 71 11 00-2308) Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.					
08 71 11 00-2319	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	998.20	85.29	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Schlage Core, Add	49.35		
08 71 11 00-2320	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	1,050.98	85.29	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Schlage Core, Add	49.35		
08 71 11 00-2321	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,156.52	85.29	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Schlage Core, Add	49.35		
08 71 11 00-2322	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,196.11	85.29	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Schlage Core, Add	49.35		
08 71 11 00-2323	EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,196.11	85.29	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Schlage Core, Add	49.35		
08 71 11 00-2324	EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,130.14	85.29	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50		
		For Dark Bronze Finish With Brass Accents, Add	70.00		
		For Schlage Core, Add	49.35		
08 71 11 00-2325 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)					
(08 71 11 00-2308) Note: Satin chrome or antique brass finish.					
08 71 11 00-2326	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	1,205.34	85.29	
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
		For Schlage Core, Add	49.35		
08 71 11 00-2327	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	1,244.92	85.29	
		For Bright Chrome Or Bright Brass Finish, Add	17.50		
		For Schlage Core, Add	49.35		
08 71 11 00-2328 Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)					
(08 71 11 00-2308) Note: Satin stainless, bright brass or antique brass finish.					
08 71 11 00-2329	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	523.23	85.29	
		For Schlage Core, Add	49.35		
08 71 11 00-2330	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	697.39	85.29	
		For Schlage Core, Add	49.35		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2331			Electrical Pushbutton Combination Locks (08 71 11 00-2307) Note: Privacy option limits access to privileged users (master codes).		
08 71 11 00-2332			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) (08 71 11 00-2331) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2333	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	934.87	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2334	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,093.20	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2335	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,132.78	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2336	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,066.81	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2337	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,000.84	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2338	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,132.78	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2339	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,159.16	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2340	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,198.74	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2341	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,132.78	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2342			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) (08 71 11 00-2331) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2343	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	1,198.74	85.29
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.17	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2344	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	1,198.74	85.29
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.17	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2345			Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) (08 71 11 00-2331) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2346	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	1,403.24	85.29
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.17	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2347	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	1,403.24	85.29
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.17	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2348			Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) (08 71 11 00-2331) Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2349	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,508.79	85.29
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.17	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2350	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,640.73	85.29
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.17	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2351	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,667.12	85.29
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.17	
			<i>Note: Excludes momentary contact switch.</i>		

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
08 71 11 00-2352	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,706.70	85.29		
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50			
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00			
		<i>For Remote Unlock, Add</i>	107.17			
		<i>Note: Excludes momentary contact switch.</i>				
08 71 11 00-2353	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,640.73	85.29		
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50			
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00			
		<i>For Remote Unlock, Add</i>	107.17			
		<i>Note: Excludes momentary contact switch.</i>				
08 71 11 00-2354		Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) (08 71 11 00-2331)				
		<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>				
08 71 11 00-2355	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,135.49	85.29		
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50			
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00			
		<i>For Remote Unlock, Add</i>	107.17			
		<i>Note: Excludes momentary contact switch.</i>				
08 71 11 00-2356	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,267.43	85.29		
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50			
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00			
		<i>For Remote Unlock, Add</i>	107.17			
		<i>Note: Excludes momentary contact switch.</i>				
08 71 11 00-2357	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,293.81	85.29		
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50			
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00			
		<i>For Remote Unlock, Add</i>	107.17			
		<i>Note: Excludes momentary contact switch.</i>				
08 71 11 00-2358	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,333.39	85.29		
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50			
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00			
		<i>For Remote Unlock, Add</i>	107.17			
		<i>Note: Excludes momentary contact switch.</i>				
08 71 11 00-2359	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,267.43	85.29		
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50			
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00			
		<i>For Remote Unlock, Add</i>	107.17			
		<i>Note: Excludes momentary contact switch.</i>				
08 71 11 00-2360		Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) (08 71 11 00-2331)				
		<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>				
08 71 11 00-2361	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	3,032.65	85.29		
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00			
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00			
08 71 11 00-2362		Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) (08 71 11 00-2331)				
		<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>				
08 71 11 00-2363	EA	Twelve Button, Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,904.60	85.29		
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50			
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00			
08 71 11 00-2364		Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) (08 71 11 00-2331)				
08 71 11 00-2365	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	932.61			
08 71 11 00-2366	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	1,196.48			
08 71 11 00-2367	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	1,592.29			
08 71 11 00-2368	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	472.91			
08 71 11 00-2369	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series)	144.94			
		<i>Note: Includes 4 C-cell battery pack.</i>				
08 71 11 00-2370	EA	12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	172.64			
08 71 11 00-2371		Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) (08 71 11 00-2331)				
		<i>Note: ANSI/BHMA Grade 1. Satin chrome finish.</i>				
08 71 11 00-2372	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,165.76	85.29		
		<i>For Satin Brass Finish, Add</i>	17.50			
		<i>For Owner Furnished Material, Deduct</i>	-824.60			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2373	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,324.08	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-982.92	
08 71 11 00-2374	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,363.66	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-1,022.50	
08 71 11 00-2375	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,297.70	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-956.54	
08 71 11 00-2376	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,231.73	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-890.57	
08 71 11 00-2377	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,363.66	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-1,022.50	
08 71 11 00-2378	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,390.05	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-1,048.89	
08 71 11 00-2379	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,429.63	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-1,088.47	
08 71 11 00-2380	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,363.66	85.29
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-1,022.50	
08 71 11 00-2381 Electrical Pushbutton Combination Locks (Schlage) (08 71 11 00-2331)					
			Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2382	EA		Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	1,098.18	84.78
			<i>For Owner Furnished Material, Deduct</i>	-759.06	
08 71 11 00-2383	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	1,268.58	84.78
			<i>For Owner Furnished Material, Deduct</i>	-929.46	
08 71 11 00-2384	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	1,429.02	84.78
			<i>For Owner Furnished Material, Deduct</i>	-1,089.90	
08 71 11 00-2385	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	1,860.56	84.78
			<i>For Owner Furnished Material, Deduct</i>	-1,521.44	
08 71 11 00-2386	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MSK626)	2,032.06	84.78
			<i>For Owner Furnished Material, Deduct</i>	-1,692.94	
08 71 11 00-2387	EA		Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	2,233.45	84.78
			<i>For Owner Furnished Material, Deduct</i>	-1,894.33	
08 71 11 00-2388	EA		Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	2,054.20	84.78
			<i>For Owner Furnished Material, Deduct</i>	-1,715.08	
08 71 11 00-2389 Residential Locks And Latchsets (08 71 11 00-2271)					
08 71 11 00-2390	EA		Residential Entry Lockset With Knobs (Master Keyed)	98.52	20.47
08 71 11 00-2391	EA		Residential Privacy Lockset With Knobs	96.65	20.47
08 71 11 00-2392	EA		Residential Passage Lockset With Knobs	96.40	20.47
08 71 11 00-2393	EA		Residential Dummy Lockset With Knobs	76.83	17.06
08 71 11 00-2394	EA		Residential Entry Lockset With Levers (Master Keyed)	111.44	20.47
08 71 11 00-2395	EA		Residential Privacy Lockset With Levers	107.15	20.47
08 71 11 00-2396	EA		Residential Passage Lockset With Levers	104.04	20.47
08 71 11 00-2397	EA		Residential Dummy Lockset With Levers	78.31	17.06
08 71 11 00-2398	EA		Screen Door - Closer	61.84	14.74
08 71 11 00-2399	EA		Screen Door - Locking Handle	68.88	21.15
08 71 11 00-2400 Deadbolts (08 71 11 00-2271)					
08 71 11 00-2401 Cylindrical Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2400)					
			Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2402	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side	226.89	33.91
			Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2403	EA		Double Cylinder Deadbolt, Key Both Sides	258.23	33.91
			Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2404 Cylindrical Deadbolts, Grade 2, ANSI 156.5 (08 71 11 00-2400)					
			Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2405	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side	205.42	33.91
			Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	

08 Openings**08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 71 11 00-2406	EA	Double Cylinder Deadbolt, Key Both Sides.....	239.66	33.91	
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.					
For Bright Chromium Or Oiled Rubbed Bronze Finish, Add				4.20	
08 71 11 00-2407		Small Case Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2400)			
Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.					
08 71 11 00-2408	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side	293.48	33.91	
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).					
08 71 11 00-2409	EA	Small Case Mortised Deadbolt, Key Both Sides	322.49	33.91	
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.					
08 71 11 00-2410	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side	287.68	33.91	
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).					
08 71 11 00-2411		Mortised Deadbolts, Grade 1, ANSI 156.5 (08 71 11 00-2400)			
Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.					
08 71 11 00-2412	EA	Mortised Deadbolt, Key One Side, Knob One Side	372.40	33.91	
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).					
08 71 11 00-2413	EA	Mortised Deadbolt, Key Both Sides	419.98	33.91	
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.					
08 71 11 00-2414	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side	331.78	33.91	
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).					
08 71 11 00-2415		Surface Mounted Deadbolts (08 71 11 00-2400)			
08 71 11 00-2416	EA	Single Cylinder Surface Mounted Deadbolt	158.67	33.91	
Note: Key one side, knob one side, bright brass finish.					
For Brushed Chrome Finish, Add				10.50	
08 71 11 00-2417	EA	Double Cylinder Surface Mounted Deadbolt.....	179.64	33.91	
Note: Key both sides, bright brass finish.					
For Brushed Chrome Finish, Add				10.50	
08 71 11 00-2418	EA	Single Cylinder Surface Mounted Interlocking Deadbolt	196.31	33.91	
Note: Jimmy proof, key one side, knob one side, bright brass finish.					
For Brushed Chrome Finish, Add				10.50	
08 71 11 00-2419	EA	Double Cylinder Surface Mounted Interlocking Deadbolt.....	217.28	33.91	
Note: Jimmy proof, key both sides, bright brass finish.					
For Brushed Chrome Finish, Add				10.50	
08 71 11 00-2420		Surface Mounted Deadlatches (08 71 11 00-2271)			
08 71 11 00-2421	EA	Single Cylinder Surface Mounted Deadlatch	160.32	33.91	
Note: Key one side, knob one side, bright brass finish.					
For Brushed Chrome Finish, Add				10.50	
08 71 11 00-2422	EA	Single Cylinder Surface Mounted Interlocking Deadlatch	196.39	33.91	
Note: Jimmy proof, key one side, knob one side, bright brass finish.					
For Brushed Chrome Finish, Add				10.50	
08 71 11 00-2423		Electric Strikes (08 71 11 00-2271)			
08 71 11 00-2424	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100)	403.72	67.82	
08 71 11 00-2425	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111)	1,165.18	67.82	
Note: For rim mounted lock					
08 71 11 00-2426	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112)	1,113.65	67.82	
Note: For rim mounted lock					
08 71 11 00-2427	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211)	860.48	67.82	
Note: For mortise or cylindrical locks					
08 71 11 00-2428	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212)	1,170.67	67.82	
Note: For mortise or cylindrical locks					
08 71 11 00-2429	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213)	1,148.31	67.82	
Note: For mortise or cylindrical locks					
08 71 11 00-2430	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214)	1,251.46	67.82	
Note: For mortise or cylindrical locks					
08 71 11 00-2431	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215)	1,166.11	67.82	
Note: For mortise or cylindrical locks					
08 71 11 00-2432	EA	12/24 Volt DC, 2,500 Lb. Static Strength, Stainless Steel Body, Dual Voltage Electric Strike Body Only (HES 1006)	580.91	67.82	
08 71 11 00-2433	EA	12/24 Volt DC, 3,000 Lb. Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500)	715.85	67.82	
08 71 11 00-2434	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Low Profile Electric Strike (HES 5000)	356.30	67.82	
08 71 11 00-2435	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Adjustable Electric Strike (HES 5200)	356.30	67.82	
08 71 11 00-2436	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000)	453.96	67.82	
08 71 11 00-2437	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500)	799.36	67.82	
08 71 11 00-2438	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000)	401.53	67.82	
08 71 11 00-2439	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300)	735.57	67.82	
08 71 11 00-2440	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500)	651.36	67.82	
08 71 11 00-2441	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400)	775.12	89.53	
08 71 11 00-2442	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500)	880.13	89.53	
08 71 11 00-2443	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600)	775.68	89.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2444 Electric Hardware (08 71 11 00-2271)					
08 71 11 00-2445	EA		Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other to electrify the lock.	218.89	
08 71 11 00-2446	EA		Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks to electrify the lock.	253.99	
08 71 11 00-2447	EA		24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	134.14	33.91
08 71 11 00-2448	EA		1 Ampere At 12/24 Volt DC, Door Hardware Power Supply.....	422.20	33.91
08 71 11 00-2449	EA		3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply.....	734.18	33.91
08 71 11 00-2450	EA		4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,125.52	33.91
08 71 11 00-2451	EA		6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,243.69	33.91
08 71 11 00-2452	EA		9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,485.48	33.91
08 71 11 00-2453	EA		15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,802.05	33.91
08 71 11 00-2454	EA		18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	113.71	33.91
08 71 11 00-2455	EA		24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	116.12	33.91
08 71 11 00-2456	EA		30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	130.90	33.91
08 71 11 00-2457	EA		45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	133.84	33.91
08 71 11 00-2458	EA		60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	135.33	33.91
08 71 11 00-2459	EA		72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	143.82	33.91
08 71 11 00-2460	EA		12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	115.24	33.91
08 71 11 00-2461	EA		18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	127.09	33.91
08 71 11 00-2462	EA		36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	136.48	33.91
08 71 11 00-2463	EA		49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	152.70	33.91
08 71 11 00-2464	EA		60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	157.20	33.91
08 71 11 00-2465	EA		12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	130.05	33.91
08 71 11 00-2466	EA		18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	146.65	33.91
08 71 11 00-2467	EA		18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	90.63	33.91
08 71 11 00-2468	EA		24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	103.47	33.91
08 71 11 00-2469	EA		30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	110.26	33.91
08 71 11 00-2470	EA		36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	117.52	33.91
08 71 11 00-2471	EA		60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	155.34	33.91
08 71 11 00-2472	EA		72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	171.13	33.91
08 71 11 00-2473	EA		12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	95.88	33.91
08 71 11 00-2474	EA		18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	100.83	33.91
08 71 11 00-2475	EA		24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	115.57	33.91
08 71 11 00-2476	EA		36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	139.02	33.91
08 71 11 00-2477	EA		48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	160.01	33.91
08 71 11 00-2478	EA		60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	194.46	33.91
08 71 11 00-2479	EA		12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	104.13	33.91
08 71 11 00-2480	EA		18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	111.72	33.91
08 71 11 00-2481	EA		Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	769.11	33.91
08 71 11 00-2482	EA		Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	837.60	47.48
08 71 11 00-2483	EA		Electrified Lock; Schlage L9080..... Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	1,453.02	
08 71 11 00-2484 Magnetic Locks (08 71 11 00-2271)					
08 71 11 00-2485	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	904.59	162.77
08 71 11 00-2486	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	1,086.44	183.13
08 71 11 00-2487	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	1,060.48	162.77
08 71 11 00-2488	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	1,242.00	183.13
08 71 11 00-2489	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	1,109.36	176.34
08 71 11 00-2490	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	1,216.27	176.34
08 71 11 00-2491	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490).....	1,299.49	176.34
08 71 11 00-2492	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,426.74	203.47
08 71 11 00-2493	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,568.86	203.47
08 71 11 00-2494	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P)..... Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,632.88	203.47
08 71 11 00-2495	EA		2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902).....	488.54	67.82
08 71 11 00-2496	EA		4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904).....	807.83	67.82
08 71 11 00-2497	EA		6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906).....	973.77	67.82
08 71 11 00-2498 Interchangeable Core (08 71 11 00-2271)					
08 71 11 00-2499	EA		Interchangeable Core; Primus D Series.....	280.44	33.91
08 71 11 00-2500 Occupancy Indicator Locks (08 71 11 00-2271)					
08 71 11 00-2501	EA		Occupancy Indicator Deadbolt With Thumbturn (Schlage B571)..... Note: Standard finish is satin chrome	162.04	33.90
			For Bright Brass Finish, Add	5.28	
			For Oil Rubbed Bronze Finish, Add	14.12	
			For Aged Bronze Finish, Add	5.28	
			For Satin Nickel Finish, Add	5.28	
08 71 11 00-2502	EA		Occupancy Indicator Lock And Lever (Vizilok C3F)..... Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides	236.57	33.90
			For Oil Rubbed Bronze Finish, Add	5.73	
08 71 11 00-2503 Door Coordinators (08 71 11)					
08 71 11 00-2504	EA		32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series)..... Note: Satin chrome finish. Includes two mounting brackets.	515.14	42.39
			For Anodized Aluminum Finish, Deduct	-138.23	

08 Openings**08 70 Hardware****08 71 Door Hardware**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 71 11 00-2505	EA	42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series) Note: Satin chrome finish. Includes two mounting brackets.	540.80	44.09
		<i>For Anodized Aluminum Finish, Deduct</i>	-145.78	
08 71 11 00-2506	EA	52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series) Note: Satin chrome finish. Includes two mounting brackets.	553.96	45.78
		<i>For Anodized Aluminum Finish, Deduct</i>	-148.33	
08 71 11 00-2507	EA	60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series) Note: Satin chrome finish. Includes two mounting brackets.	577.93	47.48
		<i>For Anodized Aluminum Finish, Deduct</i>	-155.21	
08 71 11 00-2508	EA	72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series) Note: Satin chrome finish. Includes two mounting brackets.	618.82	49.17
		<i>For Anodized Aluminum Finish, Deduct</i>	-168.86	
08 71 11 00-2509	EA	Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20").....	122.89	13.57
		<i>For Anodized Aluminum Finish, Deduct</i>	-27.45	
08 71 11 00-2510	EA	Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32").....	135.49	15.26
		<i>For Anodized Aluminum Finish, Deduct</i>	-29.78	
08 71 11 00-2511	EA	Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44").....	155.41	16.96
		<i>For Anodized Aluminum Finish, Deduct</i>	-35.04	
08 71 11 00-2512	EA	Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	116.61	16.96
08 71 11 00-2513	EA	7" Projection COR Series Gravity Type Door Coordinator.....	172.52	25.43
		<i>For Anodized Aluminum Finish, Deduct</i>	-28.31	
08 71 11 00-2514	EA	9" Projection COR Series Gravity Type Door Coordinator.....	183.84	25.43
		<i>For Anodized Aluminum Finish, Deduct</i>	-32.84	

08 71 11 00-2515 Removal And Reinstallation Of Door Hardware (08 71 11)

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.

08 71 11 00-2516	EA	Removal And Reinstallation Of Door Lockset, Entrance.....	101.74	
08 71 11 00-2517	EA	Removal And Reinstallation Of Door Lockset, Mortise	162.77	
08 71 11 00-2518	EA	Removal And Reinstallation Of Deadbolt Lock	108.52	
08 71 11 00-2519	PR	Removal And Reinstallation Of Butts/Hinges.....	27.13	
08 71 11 00-2520	EA	Removal And Reinstallation Of Door Bumper.....	9.49	
08 71 11 00-2521	EA	Removal And Reinstallation Of Surface Mounted Panic Device.....	271.30	
08 71 11 00-2522	EA	Removal And Reinstallation Of Kick Plate	33.91	
08 71 11 00-2523	EA	Removal And Reinstallation Of Push Plate.....	27.12	
08 71 11 00-2524	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	135.65	
08 71 11 00-2525	EA	Removal And Reinstallation Of Door Handles	20.36	

08 71 11 00-2526 Electromagnetic Door Release (08 71 11)

08 71 11 00-2527	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	664.46	85.45
08 71 11 00-2528	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release.....	648.78	85.45
08 71 11 00-2529	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	727.84	85.45
08 71 11 00-2530	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	1,194.52	85.45
08 71 11 00-2531	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release	1,152.91	85.45
08 71 11 00-2532	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	1,152.91	85.45
08 71 11 00-2533	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release	1,051.13	85.45
08 71 11 00-2534	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release.....	1,308.47	85.45
08 71 11 00-2535	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	1,249.26	85.45
08 71 11 00-2536	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	1,538.97	85.45
08 71 11 00-2537	EA	Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	742.71	85.45
08 71 11 00-2538	EA	Flush Mount, Electromagnetic Door Holder (Sargent 1561)	730.55	85.45
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2539	EA	Floor Mount, Electromagnetic Door Holder (LCN SEM7820)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	1,110.64	85.45
08 71 11 00-2540	EA	Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830)	781.58	85.45
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2541	EA	Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840)	781.58	85.45
		Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2542	EA	Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850)..... Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	781.58	85.45

08 71 13 Automatic Door Operators (08 71)**08 71 13 00-0001 Automatic Door Operators (LCN) (08 71 13)**

08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531)..... Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,659.80	169.56
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542)	4,659.80	169.56
		Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.		

08 71 13 00-0004 Automatic Door Operators (Stanley) (08 71 13)

08 71 13 00-0005	EA	Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990).....	4,493.62	169.56
08 71 13 00-0006	EA	6" Round Stainless Steel Actuator (Stanley CL2216)	289.11	
08 71 13 00-0007	EA	Power Supply (Stanley Precision ELR151).....	1,010.23	
08 71 13 00-0008	EA	Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990)..... Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections	3,251.42	135.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 13 00-0009	EA		Door Operator Free Standing Push Plate Post (Stanley CL2247) Note: Includes mounting post only	536.31	90.47
08 71 13 00-0010	EA		Dual Vestibule Push Plate Door Operator (Stanley CL2388) Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box	350.58	43.25
08 71 13 00-0011	EA		Jamb Mount, Push Plate Door Operator (Stanley CL2055) Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box	221.25	43.25
08 71 13 00-0012	EA		Touchless Plate Door Operator (Stanley CL2025) Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box	346.15	43.25
08 71 13 00-0013	EA		Door Operator Push Plate Assembly (Stanley CL4976) Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver	1,167.67	64.92
08 71 13 00-0014 Miscellaneous Devices (08 71 13)					
08 71 13 00-0015	EA		Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches.....	635.58	50.87
08 71 13 00-0016	EA		Magnetic Monitor Switch, SS Finish (Von Duprin MS 764).....	188.71	30.52
08 71 13 00-0017	EA		24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750).....	239.77	30.52
08 71 13 00-0018	EA		Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S).....	134.49	30.52
08 71 53 Security Door Hardware (08 71)					
08 71 53 00-0001 Door Exit Alarm Hardware (08 71 53)					
08 71 53 00-0002	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500).....	407.40	50.87
08 71 53 00-0003	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	561.88	50.87
08 71 53 00-0004	EA		Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300)..... Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	473.39	50.87
08 71 53 00-0005	EA		Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W)..... Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	610.01	50.87
08 71 53 00-0006	EA		Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500).....	709.51	67.82
08 71 53 00-0007	EA		Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S)..... Note: For use with Detex EAX exit alarms.	125.55	67.82
08 72 Weatherstripping, Thresholds and Seals (08 70)					
08 72 33 Weatherstripping and Seals (08 72)					
08 72 33 00-0001			Weather-Stripping And Seals (08 72 33)		
08 72 33 00-0002			Astragals (08 72 33 00-0001) Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 72 33 00-0003 Adhesive Backed Astragals (08 72 33 00-0002)					
08 72 33 00-0004	LF		7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771).....	5.77	1.02
08 72 33 00-0005	LF		1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772).....	6.43	1.02
08 72 33 00-0006	LF		1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110).....	4.91	1.02
08 72 33 00-0007			Overlapping Astragals (08 72 33 00-0002)		
08 72 33 00-0008 Aluminum, Overlapping Astragals (08 72 33 00-0007)					
08 72 33 00-0009	LF		2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)..... For Color Anodized Finish, Add	23.05 3.30	6.10
08 72 33 00-0010 Stainless Steel, Overlapping Astragals (08 72 33 00-0007)					
08 72 33 00-0011	LF		2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS).....	46.50	6.10
08 72 33 00-0012			"T" Astragals (08 72 33 00-0002)		
08 72 33 00-0013 Aluminum, "T" Astragals (08 72 33 00-0012)					
08 72 33 00-0014	LF		1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)..... For Color Anodized Finish, Add	15.02 1.04	6.10
08 72 33 00-0015	LF		Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)..... For Color Anodized Finish, Add	18.88 1.36	6.10
08 72 33 00-0016	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)..... For Color Anodized Finish, Add For Silicone Insert, Add	19.48 2.60 0.63	6.10
08 72 33 00-0017	LF		Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)..... For Color Anodized Finish, Add	36.00 8.38	6.10
08 72 33 00-0018 Brass/Bronze, "T" Astragals (08 72 33 00-0012)					
08 72 33 00-0019	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)..... For Silicone Insert, Add	55.85 0.63	6.10
08 72 33 00-0020			Locking Astragals (08 72 33 00-0002)		
08 72 33 00-0021 Outswing Locking Astragals (08 72 33 00-0020)					
			Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0022 Aluminum, Outswing Locking Astragals (08 72 33 00-0021)					

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 72 33 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS)		48.16	6.10	
		Note: Includes pile seal at inner door edge and neoprene bottom seal.				
		For Color Anodized Finish, Add		7.22		
08 72 33 00-0024	LF	Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS)		55.90	6.10	
		Note: Includes pile seal at inner door edge and neoprene bottom seal.				
		For Color Anodized Finish, Add		8.77		
08 72 33 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ)		54.02	6.10	
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.				
		For Thermal Break, Add		2.52		
08 72 33 00-0026	LF	Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)		60.31	6.10	
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.				
		For Thermal Break, Add		2.90		
08 72 33 00-0027		Inswing Locking Astragals (08 72 33 00-0020)				
		Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.				
08 72 33 00-0028		Wood, Inswing Locking Astragals (08 72 33 00-0027)				
08 72 33 00-0029	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)		56.37	6.10	
08 72 33 00-0030	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)		56.09	6.10	
		Note: Includes kerf-in foam seal.				
08 72 33 00-0031		Aluminum, Inswing Locking Astragals (08 72 33 00-0027)				
08 72 33 00-0032	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)		31.94	6.10	
		Note: Includes pile seal at inner door edge and neoprene bottom seal.				
		For Silicone Insert, Add		0.63		
		For Color Anodized Finish, Add		3.98		
08 72 33 00-0033	LF	Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)		38.41	6.10	
		Note: Includes pile seal at inner door edge and neoprene bottom seal.				
		For Silicone Insert, Add		0.63		
		For Color Anodized Finish, Add		5.27		
08 72 33 00-0034	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)		34.39	6.10	
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.				
		For Magnetic Kerf-In Insert, Add		0.47		
		For Color Anodized Finish, Add		4.47		
08 72 33 00-0035	LF	Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)		40.80	6.10	
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.				
		For Magnetic Kerf-In Insert, Add		0.47		
		For Color Anodized Finish, Add		5.75		
08 72 33 00-0036		Security Astragals (08 72 33 00-0002)				
08 72 33 00-0037	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)		29.79	6.10	
		For Color Anodized Finish, Add		17.73		
08 72 33 00-0038	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)		50.15	6.10	
08 72 33 00-0039		Meeting Stile Astragals (08 72 33 00-0002)				
08 72 33 00-0040		One Piece, Meeting Stile Astragals (08 72 33 00-0039)				
		Note: Includes an astragal for one door only.				
08 72 33 00-0041	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)		18.66	6.10	
		For Color Anodized Finish, Add		1.98		
08 72 33 00-0042	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)		29.10	9.09	
		For Color Anodized Finish, Add		4.40		
08 72 33 00-0043	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)		38.67	9.09	
		For Color Anodized Finish, Add		2.06		
08 72 33 00-0044	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)		39.89	9.09	
		For Color Anodized Finish, Add		5.45		
08 72 33 00-0045	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)		37.86	9.09	
08 72 33 00-0046		Two Piece, Meeting Stile Split Astragals (08 72 33 00-0039)				
		Note: Includes one astragal for each door.				
08 72 33 00-0047	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)		23.17	9.09	
		For Silicone Insert, Add		0.95		
		For Color Anodized Finish, Add		5.06		
08 72 33 00-0048	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)		23.17	9.09	
		For Color Anodized Finish, Add		5.06		
08 72 33 00-0049	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)		23.17	9.09	
		For Silicone Insert, Add		0.95		
		For Color Anodized Finish, Add		5.06		

			Openings	08	08
			Hardware	08 70	
			Weatherstripping, Thresholds and Seals	08 72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0050	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN).....	36.58	9.09
			For Silicone Insert, Add	0.63	
			For Color Anodized Finish, Add	3.69	
08 72 33 00-0051	LF		3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB).....	29.98	9.09
			For Color Anodized Finish, Add	4.75	
08 72 33 00-0052	LF		5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB).....	30.86	9.09
			For Color Anodized Finish, Add	5.10	
08 72 33 00-0053	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV).....	37.46	9.09
			For Color Anodized Finish, Add	9.68	
			For Silicone Insert, Add	0.95	
08 72 33 00-0054	LF		3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB).....	38.34	9.09
			For Color Anodized Finish, Add	8.09	
08 72 33 00-0055	LF		5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB).....	39.22	9.09
			For Color Anodized Finish, Add	8.44	
08 72 33 00-0056			Two Piece, Adjustable Meeting Stile Split Astragals (08 72 33 00-0039)		
			Note: Includes one astragal for each door.		
08 72 33 00-0057			Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)		
08 72 33 00-0058	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	70.43	9.09
			For Color Anodized Finish, Add	13.08	
			For Silicone Insert, Add	0.63	
08 72 33 00-0059	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	71.82	9.09
			For Silicone Insert, Add	0.63	
			For Color Anodized Finish, Add	10.74	
08 72 33 00-0060			Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)		
08 72 33 00-0061	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	166.43	9.09
			For Silicone Insert, Add	0.63	
08 72 33 00-0062	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP).....	156.05	9.09
			For Silicone Insert, Add	0.63	
08 72 33 00-0063			Door Sweeps (08 72 33 00-0001)		
08 72 33 00-0064			Tack On Door Sweeps (08 72 33 00-0063)		
08 72 33 00-0065	LF		For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365).....	8.33	3.39
08 72 33 00-0066	LF		For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	8.46	3.39
08 72 33 00-0067	LF		For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V).....	8.85	3.39
08 72 33 00-0068			Aluminum Retainer Door Sweeps (08 72 33 00-0063)		
08 72 33 00-0069			35 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068)		
			Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0070	LF		5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB).....	19.94	6.78
			For Color Anodized Finish, Add	2.55	
08 72 33 00-0071	LF		1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB).....	20.60	6.78
			For Color Anodized Finish, Add	2.46	
08 72 33 00-0072			45 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068)		
			Note: The retainer mounts to the door face with the sweep positioned 45-degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073	LF		1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB).....	31.15	6.78
			For Color Anodized Finish, Add	7.04	
08 72 33 00-0074	LF		2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB).....	33.79	6.78
			For Color Anodized Finish, Add	8.09	
08 72 33 00-0075	LF		4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB).....	39.50	6.78
			For Color Anodized Finish, Add	10.38	
08 72 33 00-0076			90 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068)		
			Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0077	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB).....	22.13	6.78
			For Color Anodized Finish, Add	0.86	
08 72 33 00-0078	LF		5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB).....	21.91	6.78
			For Color Anodized Finish, Add	0.84	
08 72 33 00-0079	LF		1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB).....	23.45	6.78
			For Color Anodized Finish, Add	3.46	
08 72 33 00-0080	LF		1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB).....	24.11	6.78
			For Color Anodized Finish, Add	4.22	
08 72 33 00-0081	LF		7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN).....	21.47	6.78
			For Color Anodized Finish, Add	1.98	

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
08 72 33 00-0082	LF 11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	27.63	6.78		
	For Color Anodized Finish, Add	2.81			
08 72 33 00-0083	LF 15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	22.79	6.78		
	For Color Anodized Finish, Add	1.85			
08 72 33 00-0084	LF 9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV).....	17.02	6.78		
	Note: Includes mill finish.				
	For Color Anodized Finish, Add	1.73			
08 72 33 00-0085	LF 1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV).....	17.19	6.78		
	Note: Includes mill finish.				
	For Color Anodized Finish, Add	1.82			
08 72 33 00-0086	LF 1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV).....	19.06	6.78		
	Note: Includes mill finish.				
	For Color Anodized Finish, Add	1.93			
08 72 33 00-0087	180 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068)				
	Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.				
08 72 33 00-0088	180 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0087)				
08 72 33 00-0089	LF 3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB).....	19.50	6.78		
	For Color Anodized Finish, Add	2.38			
08 72 33 00-0090	LF 5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB).....	19.94	6.78		
	For Color Anodized Finish, Add	2.55			
08 72 33 00-0091	LF 1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB).....	23.45	6.78		
	For Color Anodized Finish, Add	3.46			
08 72 33 00-0092	180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps (08 72 33 00-0087)				
08 72 33 00-0093	LF 3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	23.67	6.78		
	For Color Anodized Finish, Add	4.04			
08 72 33 00-0094	LF 5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	24.11	6.78		
	For Color Anodized Finish, Add	4.22			
08 72 33 00-0095	LF 1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	25.96	6.78		
	For Color Anodized Finish, Add	4.96			
08 72 33 00-0096	Mortised, Aluminum Retainer Door Sweeps (08 72 33 00-0068)				
	Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.				
08 72 33 00-0097	LF 1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB).....	17.52	6.78		
08 72 33 00-0098	LF 13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB).....	17.52	6.78		
08 72 33 00-0099	LF 5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB).....	17.74	6.78		
08 72 33 00-0100	Aluminum Retainer Door Sweeps With Rain Drip (08 72 33 00-0063)				
08 72 33 00-0101	90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (08 72 33 00-0100)				
	Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.				
08 72 33 00-0102	LF 1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV).....	17.08	6.78		
	For Color Anodized Finish, Add	2.46			
08 72 33 00-0103	LF 1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV).....	19.94	6.78		
	For Color Anodized Finish, Add	2.55			
08 72 33 00-0104	LF 3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB).....	22.08	6.78		
	Note: Includes clear anodized finish.				
	For Color Anodized Finish, Add	1.70			
08 72 33 00-0105	LF 7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	22.46	6.78		
	For Color Anodized Finish, Add	1.78			
08 72 33 00-0106	Brass/Bronze Retainer Door Sweeps (08 72 33 00-0063)				
08 72 33 00-0107	90 Degree, Brass/Bronze Retainer Door Sweeps (08 72 33 00-0106)				
	Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.				
08 72 33 00-0108	LF 7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	26.75	6.78		
08 72 33 00-0109	Oak Retainer Door Sweeps (08 72 33 00-0063)				
08 72 33 00-0110	90 Degree, Oak Retainer Door Sweeps (08 72 33 00-0109)				
	Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.				
08 72 33 00-0111	LF 9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	21.69	6.78		
08 72 33 00-0112	LF 15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	25.16	6.78		
08 72 33 00-0113	Door Shoes And Bottoms (08 72 33 00-0001)				
08 72 33 00-0114	Door Shoes (08 72 33 00-0113)				
08 72 33 00-0115	Aluminum Retainer Door Shoes (08 72 33 00-0114)				
08 72 33 00-0116	Bottom Mount, Aluminum Retainer Door Shoes (08 72 33 00-0115)				
08 72 33 00-0117	LF Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV).....	18.84	6.78		
	For Color Anodized Finish, Add	2.11			
	For Thermo-Plastic Elastomer Insert, Add	0.68			
08 72 33 00-0118	LF Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV).....	19.50	6.78		
	For Color Anodized Finish, Add	2.38			

Natividad MEDICAL CENTER		Openings 08		08
		Hardware 08 70		
		Weatherstripping, Thresholds and Seals 08 72		
MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 72 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV) <i>For Color Anodized Finish, Add</i>	25.87 2.46	6.78
08 72 33 00-0120		Side Mount, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	21.69 3.25 0.68	6.78
08 72 33 00-0122		L Or U Shaped, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0123	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	19.94 3.19 0.42	6.78
08 72 33 00-0124	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	21.25 3.08 0.42	6.78
08 72 33 00-0125	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	21.69 3.25 0.42	6.78
08 72 33 00-0126	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV) <i>For Color Anodized Finish, Add</i>	30.63 3.41	6.78
08 72 33 00-0127	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV) <i>For Color Anodized Finish, Add</i>	31.07 3.50	6.78
08 72 33 00-0128		L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes (08 72 33 00-0115)		
08 72 33 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	20.38 3.41 0.42	6.78
08 72 33 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	21.69 3.25 0.42	6.78
08 72 33 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV) <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	21.91 3.34 0.42	6.78
08 72 33 00-0132		Vinyl Door Shoes (08 72 33 00-0114)		
08 72 33 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	24.67	6.78
08 72 33 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	29.68	6.78
08 72 33 00-0135		Door Bottoms (08 72 33 00-0113)		
08 72 33 00-0136		Automatic Door Bottoms (08 72 33 00-0135)		
08 72 33 00-0137		Aluminum Automatic Door Bottoms (08 72 33 00-0136)		
08 72 33 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL) <i>For Color Anodized Finish, Add</i>	42.51 5.79	6.78
08 72 33 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)..... <i>For Color Anodized Finish, Add</i>	60.64 9.42	6.78
08 72 33 00-0140		Door Top Protection (08 72 33 00-0001)		
08 72 33 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	15.67 1.32	5.43
08 72 33 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	15.67 1.32	5.43
08 72 33 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C) <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	19.75 2.44	5.43
08 72 33 00-0144	EA	For 20 Oz Copper Drip Cap For Exterior Door.....	71.97	
08 72 33 00-0145		Perimeter Gasketing Weather-Strip (08 72 33 00-0001) Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0146		Adhesive Backed Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		
08 72 33 00-0147	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33) <i>For Intumescent Seal, Add</i>	4.95 1.50	3.39
08 72 33 00-0148	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55) <i>For Intumescent Seal, Add</i>	5.00 1.50	3.39
08 72 33 00-0149	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	6.55	3.39
08 72 33 00-0150	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	5.42	3.39
08 72 33 00-0151	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77) <i>For Intumescent Seal, Add</i>	7.13 1.50	3.39
08 72 33 00-0152	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773) <i>For Intumescent Seal, Add</i>	6.61 1.50	3.39
08 72 33 00-0153	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44).....	8.73	3.39
08 72 33 00-0154	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	8.07	3.39
08 72 33 00-0155		Kerf-In Perimeter Gasketing Weather-Strip (08 72 33 00-0145)		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 72 33 00-0156	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	4.41	3.39	
08 72 33 00-0157	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	6.56	3.39	
08 72 33 00-0158	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	4.93	3.39	
08 72 33 00-0159	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	4.87	3.39	
08 72 33 00-0160	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349).....	6.34	3.39	
08 72 33 00-0161		Cushion/Spring Perimeter Gasketing Weather-Strip (08 72 33 00-0145)			
08 72 33 00-0162		Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0161)			
08 72 33 00-0163	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	9.61	3.39	
08 72 33 00-0164	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	9.61	3.39	
08 72 33 00-0165	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	10.18	3.39	
08 72 33 00-0166	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	10.29	3.39	
08 72 33 00-0167		Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0161)			
08 72 33 00-0168	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	9.30	3.39	
08 72 33 00-0169	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	10.18	3.39	
08 72 33 00-0170	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	11.13	3.39	
08 72 33 00-0171		Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)			
08 72 33 00-0172		Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0171)			
08 72 33 00-0173	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV).....	9.31	3.39	
		For Silicone Insert, Add	0.95		
		For Color Anodized Finish, Add	2.53		
08 72 33 00-0174	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV).....	9.31	3.39	
		For Silicone Insert, Add	0.95		
		For Color Anodized Finish, Add	2.53		
08 72 33 00-0175	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV).....	9.31	3.39	
		For Silicone Insert, Add	0.95		
		For Color Anodized Finish, Add	2.53		
08 72 33 00-0176	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	16.01	3.39	
		For Silicone Insert, Add	0.63		
		For Color Anodized Finish, Add	1.85		
08 72 33 00-0177	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	16.45	3.39	
		For Color Anodized Finish, Add	4.84		
		For Silicone Insert, Add	0.95		
08 72 33 00-0178	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	16.45	3.39	
		For Color Anodized Finish, Add	3.38		
08 72 33 00-0179		Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0171)			
08 72 33 00-0180		Standard Jamb, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0179)			
08 72 33 00-0181	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV).....	15.68	3.39	
		For Silicone Insert, Add	0.95		
08 72 33 00-0182		Head Section, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0179)			
08 72 33 00-0183	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	17.42	3.39	
08 72 33 00-0184		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)			
08 72 33 00-0185		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)			
08 72 33 00-0186	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR).....	23.78	3.39	
		For Silicone Insert, Add	1.58		
08 72 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR).....	39.01	3.39	
08 72 33 00-0188		Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)			
08 72 33 00-0189		Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0188)			
08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	33.95	3.39	
		For Silicone Insert, Add	0.63		
08 72 33 00-0191		Aluminum Interlock, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)			

		Openings	08	08
		Hardware	08 70	
		Weatherstripping, Thresholds and Seals	08 72	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A)..... Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame. <i>For Color Anodized Finish, Add</i>	22.67 3.64	6.78
08 72 33 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame. <i>For Color Anodized Finish, Add</i>	23.43 3.95	6.78
08 72 33 00-0194		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145) Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	28.45	3.39
08 72 33 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)..... <i>For Color Anodized Finish, Add</i>	29.99 4.64	3.39
08 72 33 00-0197		Perimeter Gasketing Smoke Seals (08 72 33 00-0001) Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0198	LF	Compression Bulb, Adhesive Backed Perimeter Gasketing Smoke Seal (Pemko HSS2000)	6.45	3.39
08 72 43 Thresholds (08 72)				
08 72 43 00-0001		Thresholds (08 72 43) Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002		Metal Thresholds (08 72 43 00-0001)		
08 72 43 00-0003		Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0004		Aluminum Saddle Thresholds (08 72 43 00-0003) Note: Includes mill finish.		
08 72 43 00-0005		3/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)..... <i>For Color Anodized Finish, Add</i>	35.47 3.34	10.85
08 72 43 00-0007		1/4" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)..... <i>For Color Anodized Finish, Add</i>	39.21 4.84	10.85
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)..... <i>For Color Anodized Finish, Add</i>	45.77 8.31	13.56
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)..... <i>For Color Anodized Finish, Add</i>	49.97 8.04	13.56
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)..... <i>For Color Anodized Finish, Add</i>	55.01 7.39	13.56
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)..... <i>For Color Anodized Finish, Add</i>	62.48 7.15	13.56
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)..... <i>For Color Anodized Finish, Add</i>	74.99 8.58	16.28
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)..... <i>For Color Anodized Finish, Add</i>	80.04 9.84	16.28
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)..... <i>For Color Anodized Finish, Add</i>	88.10 11.85	16.28
08 72 43 00-0016		5/16" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)..... <i>For Color Anodized Finish, Add</i>	38.55 4.00	10.85
08 72 43 00-0018		1/2" Height, Aluminum Saddle Thresholds (08 72 43 00-0004)		
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)..... <i>For Color Anodized Finish, Add</i>	38.77 5.83	10.85
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)..... <i>For Color Anodized Finish, Add</i>	47.53 9.54	13.56
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)..... <i>For Color Anodized Finish, Add</i>	51.82 8.96	13.56
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)..... <i>For Color Anodized Finish, Add</i>	55.44 7.54	13.56
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)..... <i>For Color Anodized Finish, Add</i>	62.48 7.15	13.56
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)..... <i>For Color Anodized Finish, Add</i>	77.62 12.93	16.28
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)..... <i>For Color Anodized Finish, Add</i>	82.24 16.62	16.28
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)..... <i>For Color Anodized Finish, Add</i>	86.86 18.47	16.28
08 72 43 00-0027		Brass/Bronze Saddle Thresholds (08 72 43 00-0003)		
08 72 43 00-0028		3/16" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	73.36		10.85
08 72 43 00-0030		1/4" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)			
08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	108.72		10.85
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	131.82		13.56
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	156.30		13.56
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	180.10		13.56
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	207.30		13.56
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	265.09		16.28
08 72 43 00-0037		1/2" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)			
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	142.70		13.56
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	169.90		13.56
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	197.10		13.56
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	231.10		13.56
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	325.16		16.28
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	309.56		16.28
08 72 43 00-0044		Stainless Steel Saddle Thresholds (08 72 43 00-0003)			
08 72 43 00-0045		1/2" Height, Stainless Steel Saddle Thresholds (08 72 43 00-0044)			
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	122.30		13.56
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	129.10		13.56
08 72 43 00-0048		Half Saddle Thresholds (08 72 43 00-0002)			
08 72 43 00-0049		Aluminum Half Saddle Thresholds (08 72 43 00-0048)			
		Note: Includes mill finish.			
08 72 43 00-0050		3/4" Height, Aluminum Half Saddle Thresholds (08 72 43 00-0049)			
08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	55.96		13.56
		For Color Anodized Finish, Add	8.82		
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	71.93		13.56
		For Color Anodized Finish, Add	3.80		
08 72 43 00-0053		Offset Saddle Thresholds (08 72 43 00-0002)			
08 72 43 00-0054		Aluminum Offset Saddle Thresholds (08 72 43 00-0053)			
		Note: Includes mill finish.			
08 72 43 00-0055		1/2" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)			
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	56.10		13.56
		For Color Anodized Finish, Add	11.10		
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	61.82		13.56
		For Color Anodized Finish, Add	9.77		
08 72 43 00-0058		3/4" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)			
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	56.10		13.56
		For Color Anodized Finish, Add	11.10		
08 72 43 00-0060		1" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)			
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	64.02		13.56
		For Color Anodized Finish, Add	10.54		
08 72 43 00-0062		Modular Ramp Thresholds (08 72 43 00-0001)			
		Note: Includes mill finish.			
08 72 43 00-0063		Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)			
08 72 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	58.97		13.56
		For Non-Slip Surfacing, Add	95.55		
08 72 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	73.45		14.92
		For Non-Slip Surfacing, Add	122.14		
08 72 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	93.24		16.95
		For Non-Slip Surfacing, Add	166.15		
08 72 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	118.22		17.62
		For Non-Slip Surfacing, Add	223.99		
08 72 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	137.47		18.98
		For Non-Slip Surfacing, Add	298.50		
08 72 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	170.07		21.02
		For Non-Slip Surfacing, Add	332.90		
08 72 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	189.67		23.05
		For Non-Slip Surfacing, Add	373.26		
08 72 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	201.17		24.41
		For Non-Slip Surfacing, Add	380.88		
08 72 43 00-0072		3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)			
08 72 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	99.32		16.95
		For Non-Slip Surfacing, Add	176.63		

			Openings	08	08
			Hardware	08 70	
			Weatherstripping, Thresholds and Seals	08 72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0074	LF		15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA) <i>For Non-Slip Surfacing, Add</i>	116.40 219.08	17.62
08 72 43 00-0075	LF		18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA) <i>For Non-Slip Surfacing, Add</i>	145.44 272.38	20.34
08 72 43 00-0076	LF		22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA) <i>For Non-Slip Surfacing, Add</i>	170.74 331.11	21.70
08 72 43 00-0077	LF		25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA) <i>For Non-Slip Surfacing, Add</i>	195.95 389.58	23.05
08 72 43 00-0078	LF		28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA) <i>For Non-Slip Surfacing, Add</i>	214.18 429.94	24.41
08 72 43 00-0079	LF		31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA) <i>For Non-Slip Surfacing, Add</i>	262.06 547.40	25.77
08 72 43 00-0080			7" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0081	LF		16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA) <i>For Non-Slip Surfacing, Add</i>	114.79 218.88	18.31
08 72 43 00-0082	LF		19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA) <i>For Non-Slip Surfacing, Add</i>	134.57 262.89	20.34
08 72 43 00-0083	LF		22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA) <i>For Non-Slip Surfacing, Add</i>	160.90 317.28	21.70
08 72 43 00-0084	LF		25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA) <i>For Non-Slip Surfacing, Add</i>	180.16 361.94	23.05
08 72 43 00-0085	LF		28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA) <i>For Non-Slip Surfacing, Add</i>	211.41 422.73	24.41
08 72 43 00-0086	LF		31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA) <i>For Non-Slip Surfacing, Add</i>	229.63 463.09	25.77
08 72 43 00-0087	LF		35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) <i>For Non-Slip Surfacing, Add</i>	264.78 526.35	27.12
08 72 43 00-0088			Accessories For Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0089			Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0088)		
08 72 43 00-0090	PR		Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	270.23 28.36	16.95
08 72 43 00-0091	PR		>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	414.97 45.73	16.95
08 72 43 00-0092	PR		>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	820.59 92.78	23.73
08 72 43 00-0093			Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0089)		
08 72 43 00-0094	PR		Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	270.23 28.36	16.95
08 72 43 00-0095	PR		>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	414.97 45.73	16.95
08 72 43 00-0096	PR		>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds <i>For Non-Slip Surfacing, Add</i>	820.59 92.78	23.73
08 72 43 00-0097			Latching Panic Exit Saddle Thresholds (08 72 43 00-0001)		
08 72 43 00-0098			Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097)		
08 72 43 00-0099			Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0098)		
08 72 43 00-0100			7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)		
08 72 43 00-0101	LF		4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	67.54 11.77 0.63	13.56
08 72 43 00-0102	LF		5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	56.32 11.21 0.63	13.56
08 72 43 00-0103	LF		6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	74.57 14.23 0.63	13.56
08 72 43 00-0104	LF		7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	77.65 15.31 0.63	13.56
08 72 43 00-0105			1" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)		
08 72 43 00-0106	LF		3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	53.69 9.90 0.63	13.56
08 72 43 00-0107	LF		5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP) <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	56.76 11.43 0.63	13.56
08 72 43 00-0108			Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0098)		
08 72 43 00-0109			7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0108)		

08 Openings**08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 72 43 00-0110	LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP).....	60.06		13.56
	For Color Anodized Finish, Add	10.46		
	For Thermoseal, Add	0.63		
08 72 43 00-0111	LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP).....	62.92		13.56
	For Color Anodized Finish, Add	11.61		
	For Thermoseal, Add	0.63		
08 72 43 00-0112	LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP).....	67.10		13.56
	For Color Anodized Finish, Add	11.62		
	For Thermoseal, Add	0.63		
08 72 43 00-0113	LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP).....	71.82		13.56
	For Color Anodized Finish, Add	13.27		
	For Thermoseal, Add	0.63		
08 72 43 00-0114	Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097)			
08 72 43 00-0115	Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)			
08 72 43 00-0116	7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)			
08 72 43 00-0117	LF 4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV).....	198.46		13.56
	For Thermoseal, Add	0.63		
08 72 43 00-0118	LF 5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV).....	184.86		13.56
	For Thermoseal, Add	0.63		
08 72 43 00-0119	LF 6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV).....	261.02		13.56
	For Thermoseal, Add	0.63		
08 72 43 00-0120	LF 7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV).....	234.64		13.56
	For Thermoseal, Add	0.63		
08 72 43 00-0121	1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)			
08 72 43 00-0122	LF 5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV).....	195.47		13.56
	For Thermoseal, Add	0.63		
08 72 43 00-0123	Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)			
08 72 43 00-0124	7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0123)			
08 72 43 00-0125	LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV).....	205.41		14.92
	For Thermoseal, Add	0.63		
08 72 43 00-0126	LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV).....	214.79		14.92
	For Thermoseal, Add	0.63		
08 72 43 00-0127	LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV).....	265.52		14.92
	For Thermoseal, Add	0.63		
08 72 43 00-0128	LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV).....	243.75		15.59
	For Thermoseal, Add	0.63		
08 72 43 00-0129	Carpet Separator Thresholds (08 72 43 00-0001)			
08 72 43 00-0130	Aluminum, Carpet Separator Thresholds (08 72 43 00-0129) Note: Includes mill finish.			
08 72 43 00-0131	3/8" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)			
08 72 43 00-0132	LF 2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C).....	40.53		10.85
	For Color Anodized Finish, Add	5.36		
08 72 43 00-0133	7/16" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)			
08 72 43 00-0134	LF 1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A).....	32.96		9.49
	For Color Anodized Finish, Add	3.23		
08 72 43 00-0135	LF 4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A).....	50.39		10.85
	For Color Anodized Finish, Add	6.60		
08 72 43 00-0136	LF 6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A).....	59.62		10.85
	For Color Anodized Finish, Add	10.29		
08 72 43 00-0137	1/2" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)			
08 72 43 00-0138	LF 1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A).....	30.11		9.49
	For Color Anodized Finish, Add	1.60		
08 72 43 00-0139	3/4" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)			
08 72 43 00-0140	LF 1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A).....	32.96		9.49
	For Color Anodized Finish, Add	2.77		
08 72 43 00-0141	LF 3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A).....	51.05		13.56
	For Color Anodized Finish, Add	6.86		
08 72 43 00-0142	LF 4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A).....	53.69		13.56
	For Color Anodized Finish, Add	5.94		

			Openings 08		08
			Hardware 08 70		
			Weatherstripping, Thresholds and Seals 08 72		
MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
08 72 43 00-0143	Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0129)				
08 72 43 00-0144	3/8" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)				
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	110.22		10.85
08 72 43 00-0146	7/16" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)				
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	141.54		9.49
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	132.50		13.56
08 72 43 00-0149	Vinyl Transition Thresholds (08 72 43 00-0001)				
Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.					
08 72 43 00-0150	Carpet To Carpet, Vinyl Transition Thresholds (08 72 43 00-0149)				
Note: Serves as a transition where carpet meets carpet beneath a door.					
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	48.59		10.85
08 72 43 00-0152	Carpet To Tile, Vinyl Transition Thresholds (08 72 43 00-0149)				
Note: Serves as a transition where carpet meets tile beneath a door.					
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	48.59		10.85
08 72 43 00-0154	Carpet To Concrete, Vinyl Transition Thresholds (08 72 43 00-0149)				
Note: Serves as a transition where carpet meets concrete beneath a door.					
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	52.17		13.56
08 72 43 00-0156	Carpet To VCT Tile, Vinyl Transition Thresholds (08 72 43 00-0149)				
Note: Serves as a transition where carpet meets VCT Tile beneath a door.					
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	55.74		13.56
08 72 43 00-0158	Residential Thresholds (08 72 43 00-0001)				
08 72 43 00-0159	Wood Residential Thresholds (08 72 43 00-0158)				
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	20.98		6.78
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	21.71		6.78
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	29.24		7.22
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	29.70		7.49
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	44.90		7.70
08 72 43 00-0165	Vinyl Top, Wood Residential Thresholds (08 72 43 00-0158)				
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	25.01		6.78
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	30.36		7.49
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	56.08		7.49
08 72 43 00-0169	Vinyl Top, Aluminum Residential Thresholds (08 72 43 00-0158)				
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	25.08		6.78
For Color Anodized Finish, Add			3.25		
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	29.26		7.49
For Color Anodized Finish, Add			4.22		
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	31.02		7.49
For Color Anodized Finish, Add			4.92		
08 72 43 00-0173	Interlocking Residential Thresholds (08 72 43 00-0158)				
08 72 43 00-0174	Aluminum Interlocking Residential Thresholds (08 72 43 00-0173)				
08 72 43 00-0175	1/2" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)				
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	55.08		7.70
For Color Anodized Finish, Add			10.75		
08 72 43 00-0177	5/8" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)				
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	36.73		7.22
For Color Anodized Finish, Add			5.61		
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	33.44		7.49
For Color Anodized Finish, Add			7.37		
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	38.82		7.70
For Color Anodized Finish, Add			5.87		
08 72 43 00-0181	7/8" Height, Aluminum Interlocking Residential Thresholds (08 72 43 00-0174)				
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	42.33		7.70
For Color Anodized Finish, Add			11.54		
08 72 43 00-0183	Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0173)				

08	08	Openings
	08 70	Hardware
	08 72	Weatherstripping, Thresholds and Seals



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 72 43 00-0184			1/2" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)		
08 72 43 00-0185	LF		4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	145.05	7.70
08 72 43 00-0186			5/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)		
08 72 43 00-0187	LF		3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	110.51	7.49
08 72 43 00-0188			7/8" Height, Brass/Bronze Interlocking Residential Thresholds (08 72 43 00-0183)		
08 72 43 00-0189	LF		4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B).....	148.45	7.70
08 72 43 00-0190	LF		5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	210.20	7.92
08 72 43 00-0191			Residential Door Sills (08 72 43 00-0001)		
08 72 43 00-0192			Fixed Aluminum Residential Door Sills (08 72 43 00-0191)		
08 72 43 00-0193	LF		4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A).....	31.78	7.70
			<i>For Color Anodized Finish, Add</i>	6.27	
08 72 43 00-0194	LF		5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A).....	34.05	7.92
			<i>For Color Anodized Finish, Add</i>	5.70	
08 72 43 00-0195			Adjustable Aluminum Top, Aluminum Residential Door Sills (08 72 43 00-0191)		
08 72 43 00-0196	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	45.21	7.70
			<i>For Color Anodized Finish, Add</i>	9.09	
08 72 43 00-0197	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	46.41	7.92
			<i>For Color Anodized Finish, Add</i>	9.31	
08 72 43 00-0198			Adjustable Wood Top, Aluminum Residential Door Sills (08 72 43 00-0191)		
08 72 43 00-0199	LF		3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW).....	45.72	7.49
			<i>For Color Anodized Finish, Add</i>	9.45	
08 72 43 00-0200	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW).....	46.26	7.70
			<i>For Color Anodized Finish, Add</i>	6.75	
08 72 43 00-0201	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW).....	48.27	7.92
			<i>For Color Anodized Finish, Add</i>	7.12	
08 72 43 00-0202			Extenders For Aluminum Residential Door Sills (08 72 43 00-0191)		
08 72 43 00-0203	LF		3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	19.06	6.78
			<i>For Color Anodized Finish, Add</i>	3.85	
08 72 43 00-0204	LF		2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	20.81	6.78
			<i>For Color Anodized Finish, Add</i>	3.63	
08 72 43 00-0205	LF		3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	22.57	6.78
			<i>For Color Anodized Finish, Add</i>	2.25	
08 72 43 00-0206			Stone Thresholds (08 72 43 00-0001)		
08 72 43 00-0207			Marble Thresholds (08 72 43 00-0206)		
08 72 43 00-0208	LF		2" Width, 5/8" Height, Plain Marble Threshold	22.31	8.61
08 72 43 00-0209	LF		4" Width, 5/8" Height, Plain Marble Threshold	24.65	8.61
08 72 43 00-0210	LF		6" Width, 5/8" Height, Plain Marble Threshold	27.78	8.61
08 72 43 00-0211	LF		4" Width, 7/8" Height, Plain Marble Threshold	34.84	8.61
08 72 43 00-0212	LF		6" Width, 7/8" Height, Plain Marble Threshold	43.10	8.61
08 72 43 00-0213			Corian Thresholds (08 72 43 00-0206)		
08 72 43 00-0214	LF		Up To 5-3/4" Width, Corian Threshold	95.33	11.25

08 75 Window Hardware (08 70)

08 75 13			Automatic Window Equipment (08 75)		
08 75 13 00-0001			Window Opener Electric, With 1/2 HP Motor (08 75 13)		
08 75 13 00-0002	EA		Gym Window Electronic Opener	2,251.29	288.93

08 78 Special Function Hardware (08 70)

08 78 00 00-0001			Pad Locks (08 78)		
08 78 00 00-0002	EA		Combination Padlock	26.92	6.78
08 78 00 00-0003	EA		Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	61.15	6.78
08 78 00 00-0004	EA		Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	56.51	6.78
08 78 00 00-0005	EA		Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	62.26	6.78
08 78 00 00-0006	EA		Commercial U-Bar Lock	75.55	6.78
08 78 00 00-0007	EA		Weather Tough Padlocks Keyed Alike	63.41	6.78
08 78 00 00-0008	EA		High Security Padlocks	57.27	6.78
08 78 00 00-0009	EA		Standard Key, Medium Security Padlock Keyed Alike	30.30	6.78

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 79 Hardware Accessories (08 70)

08 79 13 Key Storage Equipment (08 79)

08 79 13 00-0001 Key Cabinet (08 79 13)

08 79 13 00-0002 Key Cabinets (08 79 13 00-0001)

08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys.....	535.78	24.41
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys.....	723.15	27.12
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys.....	1,622.62	40.68
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys.....	4,181.53	54.24
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys.....	4,461.72	35.93
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys.....	10,078.54	27.12
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys.....	225.35	10.85
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys.....	321.29	13.56

08 79 13 00-0011 Key Boxes Wall Mounted On Any Type Wall, With Anchor (08 79 13 00-0001)

08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	307.70	20.35
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	348.43	20.35
08 79 13 00-0014	EA	Relocate 10" Wide x 12" High x 3" Deep Metal Key Box.....	69.18	
		Note: Including Storage And Cleaning		
08 79 13 00-0015	EA	Relocate Heavy-Duty Key Box, With Combo Lock Door.....	155.99	
		Note: Including Storage And Cleaning		

08 80 Glazing (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks.

08 81 Glass Glazing (08 80)

08 81 23 Exterior Glass Glazing (08 81)

08 81 23 13 Factory Installed Glass Glazing (08 81 23)

08 81 23 13-0001 Clear Float Factory Installed Glass (08 81 23 13)

08 81 23 13-0002 Clear Float Factory Installed Glass (08 81 23 13-0001)

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass.....	8.74	
		For >50 To 200, Deduct	-0.26	
		For >200 To 400, Deduct	-0.52	
		For >400, Deduct	-0.79	
		For Tinted Glass, Add	2.19	
		For Reflective Coated Glass, Add	3.93	
		For Low-E Coated Glass, Add	2.19	
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass.....	9.37	
		For >50 To 200, Deduct	-0.28	
		For >200 To 400, Deduct	-0.56	
		For >400, Deduct	-0.84	
		For Tinted Glass, Add	2.34	
		For Reflective Coated Glass, Add	4.22	
		For Low-E Coated Glass, Add	2.34	
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass.....	11.36	
		For >50 To 200, Deduct	-0.34	
		For >200 To 400, Deduct	-0.68	
		For >400, Deduct	-1.02	
		For Tinted Glass, Add	2.84	
		For Reflective Coated Glass, Add	5.11	
		For Low-E Coated Glass, Add	2.84	
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass.....	18.89	
		For >50 To 200, Deduct	-0.57	
		For >200 To 400, Deduct	-1.13	
		For >400, Deduct	-1.70	
		For Tinted Glass, Add	4.72	
		For Reflective Coated Glass, Add	8.50	
		For Low-E Coated Glass, Add	4.72	
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass.....	27.48	
		For >50 To 200, Deduct	-0.82	
		For >200 To 400, Deduct	-1.65	
		For >400, Deduct	-2.47	
		For Tinted Glass, Add	6.87	
		For Reflective Coated Glass, Add	12.37	
		For Low-E Coated Glass, Add	6.87	
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass.....	30.20	
		For >50 To 200, Deduct	-0.91	
		For >200 To 400, Deduct	-1.81	
		For >400, Deduct	-2.72	
		For Tinted Glass, Add	7.55	
		For Reflective Coated Glass, Add	13.59	
		For Low-E Coated Glass, Add	7.55	
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass.....	36.13	
		For >50 To 200, Deduct	-1.08	
		For >200 To 400, Deduct	-2.17	
		For >400, Deduct	-3.25	
		For Tinted Glass, Add	9.03	
		For Reflective Coated Glass, Add	16.26	
		For Low-E Coated Glass, Add	9.03	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 81 23 13-0010	SF 3/4" Thick, Clear Float Factory Installed Glass	44.63		
	For >50 To 200, Deduct	-1.34		
	For >200 To 400, Deduct	-2.68		
	For >400, Deduct	-4.02		
	For Tinted Glass, Add	11.16		
	For Reflective Coated Glass, Add	20.08		
	For Low-E Coated Glass, Add	11.16		
08 81 23 13-0011	Heat Treated Factory Installed Glass (08 81 23 13)			
08 81 23 13-0012	Tempered, Clear Float Factory Installed Glass (08 81 23 13-0011)			
	Note: Type I, Class I, Quality Q3.			
08 81 23 13-0013	SF 1/8" Thick, Tempered, Clear Float Factory Installed Glass	13.01		
	For >50 To 200, Deduct	-0.39		
	For >200 To 400, Deduct	-0.78		
	For >400, Deduct	-1.17		
	For Tinted Glass, Add	3.25		
	For Reflective Coated Glass, Add	5.85		
	For Low-E Coated Glass, Add	3.25		
08 81 23 13-0014	SF 3/16" Thick, Tempered, Clear Float Factory Installed Glass	13.90		
	For >50 To 200, Deduct	-0.42		
	For >200 To 400, Deduct	-0.83		
	For >400, Deduct	-1.25		
	For Tinted Glass, Add	3.48		
	For Reflective Coated Glass, Add	6.26		
	For Low-E Coated Glass, Add	3.48		
08 81 23 13-0015	SF 1/4" Thick, Tempered, Clear Float Factory Installed Glass	16.91		
	For >50 To 200, Deduct	-0.51		
	For >200 To 400, Deduct	-1.01		
	For >400, Deduct	-1.52		
	For Tinted Glass, Add	4.23		
	For Reflective Coated Glass, Add	7.61		
	For Low-E Coated Glass, Add	4.23		
08 81 23 13-0016	SF 5/16" Thick, Tempered, Clear Float Factory Installed Glass	28.15		
	For >50 To 200, Deduct	-0.84		
	For >200 To 400, Deduct	-1.69		
	For >400, Deduct	-2.53		
	For Tinted Glass, Add	7.04		
	For Reflective Coated Glass, Add	12.67		
	For Low-E Coated Glass, Add	7.04		
08 81 23 13-0017	SF 3/8" Thick, Tempered, Clear Float Factory Installed Glass	40.91		
	For >50 To 200, Deduct	-1.23		
	For >200 To 400, Deduct	-2.45		
	For >400, Deduct	-3.68		
	For Tinted Glass, Add	10.23		
	For Reflective Coated Glass, Add	18.41		
	For Low-E Coated Glass, Add	10.23		
08 81 23 13-0018	SF 1/2" Thick, Tempered, Clear Float Factory Installed Glass	44.94		
	For >50 To 200, Deduct	-1.35		
	For >200 To 400, Deduct	-2.70		
	For >400, Deduct	-4.04		
	For Tinted Glass, Add	11.24		
	For Reflective Coated Glass, Add	20.22		
	For Low-E Coated Glass, Add	11.24		
08 81 23 13-0019	SF 5/8" Thick, Tempered, Clear Float Factory Installed Glass	53.77		
	For >50 To 200, Deduct	-1.61		
	For >200 To 400, Deduct	-3.23		
	For >400, Deduct	-4.84		
	For Tinted Glass, Add	13.44		
	For Reflective Coated Glass, Add	24.20		
	For Low-E Coated Glass, Add	13.44		
08 81 23 13-0020	SF 3/4" Thick, Tempered, Clear Float Factory Installed Glass	66.42		
	For >50 To 200, Deduct	-1.99		
	For >200 To 400, Deduct	-3.99		
	For >400, Deduct	-5.98		
	For Tinted Glass, Add	16.61		
	For Reflective Coated Glass, Add	29.89		
	For Low-E Coated Glass, Add	16.61		
08 81 23 13-0021	Patterned Factory Installed Glass (08 81 23 13)			
08 81 23 13-0022	Rough Obscure, Factory Installed Glass (08 81 23 13-0021)			
	Note: Class II, Form 3, Finish F1.			
08 81 23 13-0023	SF 1/4" Thick, Rough Obscure, Factory Installed Glass	71.08		
08 81 23 13-0024	Patterned, Figured Factory Installed Glass (08 81 23 13-0021)			
	Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.			
08 81 23 13-0025	SF 1/8" Thick, Patterned, Figured Factory Installed Glass	43.18		
08 81 23 13-0026	SF 7/32" Thick, Patterned, Figured Factory Installed Glass	43.18		
08 81 23 13-0027	Wired Factory Installed Glass (08 81 23 13)			
08 81 23 13-0028	Square Or Diamond Pattern, Wired Factory Installed Glass (08 81 23 13-0027)			
	Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.			
08 81 23 13-0029	SF 1/4" Thick, Square Pattern, Wired Factory Installed Glass	111.76		
08 81 23 13-0030	SF 1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	111.76		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 13-0031			Polished, Wired Factory Installed Glass (08 81 23 13-0027)		
08 81 23 13-0032	SF		1/4" Thick, Polished, Wired Factory Installed Glass	122.17	
08 81 23 13-0033			Frosted Factory Installed Glass (08 81 23 13)		
08 81 23 13-0034			Frosted Factory Installed Glass (08 81 23 13-0033)		
08 81 23 13-0035	SF		1/8" Thick, Frosted Factory Installed Glass	56.50	
			For >50 To 200, Deduct	-1.70	
			For >200 To 400, Deduct	-3.39	
			For >400, Deduct	-5.09	
08 81 23 13-0036	SF		3/16" Thick, Frosted Factory Installed Glass	74.14	
			For >50 To 200, Deduct	-2.22	
			For >200 To 400, Deduct	-4.45	
			For >400, Deduct	-6.67	
08 81 23 13-0037	SF		1/4" Thick, Frosted Factory Installed Glass	93.71	
			For >50 To 200, Deduct	-2.81	
			For >200 To 400, Deduct	-5.62	
			For >400, Deduct	-8.43	
08 81 23 13-0038	SF		3/8" Thick, Frosted Factory Installed Glass	140.08	
			For >50 To 200, Deduct	-4.20	
			For >200 To 400, Deduct	-8.40	
			For >400, Deduct	-12.61	
08 81 23 13-0039			Fire Rated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0040			Fire Rated Factory Installed Glass (08 81 23 13-0039)		
08 81 23 13-0041	SF		20 Minute, Fire Rated Factory Installed Glass	53.66	
08 81 23 13-0042	SF		45 Minute, Fire Rated Factory Installed Glass	106.83	
08 81 23 13-0043	SF		60 Minute, Fire Rated Factory Installed Glass	165.10	
08 81 23 13-0044	SF		90 Minute, Fire Rated Factory Installed Glass	218.52	
08 81 23 13-0045			Laminated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0046			Laminated Glass With PVB Interlayer, Factory Installed Glass (08 81 23 13-0045)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	35.44	
			For >50 To 200, Deduct	-1.06	
			For >200 To 400, Deduct	-2.13	
			For >400, Deduct	-3.19	
			For Tinted Glass, Add	7.09	
			For Reflective Coated Glass, Add	10.63	
			For Low-E Coated Glass, Add	8.86	
			For One Piece Heat Strengthened Glass, Add	7.09	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	7.09	
			Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	44.24	
			For >50 To 200, Deduct	-1.33	
			For >200 To 400, Deduct	-2.65	
			For >400, Deduct	-3.98	
			For Tinted Glass, Add	8.85	
			For Reflective Coated Glass, Add	13.27	
			For Low-E Coated Glass, Add	11.06	
			For One Piece Heat Strengthened Glass, Add	8.85	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	8.85	
			Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0049	SF		1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	51.11	
			For >50 To 200, Deduct	-1.53	
			For >200 To 400, Deduct	-3.07	
			For >400, Deduct	-4.60	
			For Tinted Glass, Add	10.22	
			For Reflective Coated Glass, Add	15.33	
			For Low-E Coated Glass, Add	12.78	
			For One Piece Heat Strengthened Glass, Add	10.22	
			Note: Double UOM if applied for both interior and exterior glazing		
			For One Piece Fully Tempered Glass, Add	10.22	
			Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0050			Insulated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0051			Insulated, Factory Installed Glass (08 81 23 13-0050)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052			3/16" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
			Note: Type I, Class I, Quality Q3.		

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass	21.80	
		Note: Two 3/32" lites with 3/16" air space.		
		For >50 To 200, Deduct	-0.65	
		For >200 To 400, Deduct	-1.31	
		For >400, Deduct	-1.96	
		For Tinted Glass, Add	3.27	
		For Reflective Coated Glass, Add	6.54	
		For Low-E Coated Glass, Add	5.45	
		For One Piece Heat Strengthened Glass, Add	4.36	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	4.36	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	9.27	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	3.00	
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass	23.82	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For >50 To 200, Deduct	-0.71	
		For >200 To 400, Deduct	-1.43	
		For >400, Deduct	-2.14	
		For Tinted Glass, Add	3.57	
		For Reflective Coated Glass, Add	7.15	
		For Low-E Coated Glass, Add	5.96	
		For One Piece Heat Strengthened Glass, Add	4.76	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	4.76	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	10.12	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	3.28	
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass	23.86	
		Note: Two 3/16" lites with 3/16" air space.		
		For >50 To 200, Deduct	-0.72	
		For >200 To 400, Deduct	-1.43	
		For >400, Deduct	-2.15	
		For Tinted Glass, Add	3.58	
		For Reflective Coated Glass, Add	7.16	
		For Low-E Coated Glass, Add	5.97	
		For One Piece Heat Strengthened Glass, Add	4.77	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	4.77	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	10.14	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	3.28	
08 81 23 13-0056		1/4" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass	22.44	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.67	
		For >200 To 400, Deduct	-1.35	
		For >400, Deduct	-2.02	
		For Tinted Glass, Add	3.37	
		For Reflective Coated Glass, Add	6.73	
		For Low-E Coated Glass, Add	5.61	
		For One Piece Heat Strengthened Glass, Add	4.49	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	4.49	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	9.54	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	3.09	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass	23.82	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	-0.71	
		For >200 To 400, Deduct	-1.43	
		For >400, Deduct	-2.14	
		For Tinted Glass, Add	3.57	
		For Reflective Coated Glass, Add	7.15	
		For Low-E Coated Glass, Add	5.96	
		For One Piece Heat Strengthened Glass, Add	4.76	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	4.76	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	10.12	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	3.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0059	SF		5/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/4" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add	24.09 -0.72 -1.45 -2.17 3.61 7.23 6.02 4.82 4.82 10.24 3.31	
08 81 23 13-0060	SF		5/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add	24.09 -0.72 -1.45 -2.17 3.61 7.23 6.02 4.82 4.82 10.24 3.31	
08 81 23 13-0061	SF		3/4" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/4" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add	27.54 -0.83 -1.65 -2.48 4.13 8.26 6.89 5.51 5.51 11.70 3.79	
08 81 23 13-0062			3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF		5/8" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 3/8" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add	24.09 -0.72 -1.45 -2.17 3.61 7.23 6.02 4.82 4.82 10.24 3.31	
08 81 23 13-0064	SF		3/4" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/8" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add	25.24 -0.76 -1.51 -2.27 3.79 7.57 6.31 5.05 5.05 10.73 3.47	

08 Openings**08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 81 23 13-0065	SF 7/8" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 3/8" air space.	27.99		
	For >50 To 200, Deduct	-0.84		
	For >200 To 400, Deduct	-1.68		
	For >400, Deduct	-2.52		
	For Tinted Glass, Add	4.20		
	For Reflective Coated Glass, Add	8.40		
	For Low-E Coated Glass, Add	7.00		
	For One Piece Heat Strengthened Glass, Add	5.60		
	Note: Double UOM if applied for both interior and exterior glazing			
	For One Piece Fully Tempered Glass, Add	5.60		
	Note: Double UOM if applied for both interior and exterior glazing			
	For One Piece Obscure Glass, Add	11.90		
	Note: Double UOM if applied for both interior and exterior glazing			
	For Argon Gas, Add	3.85		
08 81 23 13-0066	SF 1" Thick, Insulated Factory Installed Glass Note: Two 5/16" lites with 3/8" air space.	31.62		
	For >50 To 200, Deduct	-0.95		
	For >200 To 400, Deduct	-1.90		
	For >400, Deduct	-2.85		
	For Tinted Glass, Add	4.74		
	For Reflective Coated Glass, Add	9.49		
	For Low-E Coated Glass, Add	7.91		
	For One Piece Heat Strengthened Glass, Add	6.32		
	Note: Double UOM if applied for both interior and exterior glazing			
	For One Piece Fully Tempered Glass, Add	6.32		
	Note: Double UOM if applied for both interior and exterior glazing			
	For One Piece Obscure Glass, Add	13.44		
	Note: Double UOM if applied for both interior and exterior glazing			
	For Argon Gas, Add	4.35		
08 81 23 13-0067	1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.			
08 81 23 13-0068	SF 3/4" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/2" air space.	25.24		
	For >50 To 200, Deduct	-0.76		
	For >200 To 400, Deduct	-1.51		
	For >400, Deduct	-2.27		
	For Tinted Glass, Add	3.79		
	For Reflective Coated Glass, Add	7.57		
	For Low-E Coated Glass, Add	6.31		
	For One Piece Heat Strengthened Glass, Add	5.05		
	Note: Double UOM if applied for both interior and exterior glazing			
	For One Piece Fully Tempered Glass, Add	5.05		
	Note: Double UOM if applied for both interior and exterior glazing			
	For One Piece Obscure Glass, Add	10.73		
	Note: Double UOM if applied for both interior and exterior glazing			
	For Argon Gas, Add	3.47		
08 81 23 13-0069	SF 7/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/2" air space.	27.99		
	For >50 To 200, Deduct	-0.84		
	For >200 To 400, Deduct	-1.68		
	For >400, Deduct	-2.52		
	For Tinted Glass, Add	4.20		
	For Reflective Coated Glass, Add	8.40		
	For Low-E Coated Glass, Add	7.00		
	For One Piece Heat Strengthened Glass, Add	5.60		
	Note: Double UOM if applied for both interior and exterior glazing			
	For One Piece Fully Tempered Glass, Add	5.60		
	Note: Double UOM if applied for both interior and exterior glazing			
	For One Piece Obscure Glass, Add	11.90		
	Note: Double UOM if applied for both interior and exterior glazing			
	For Argon Gas, Add	3.85		
08 81 23 13-0070	SF 7/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	27.99		
	For >50 To 200, Deduct	-0.84		
	For >200 To 400, Deduct	-1.68		
	For >400, Deduct	-2.52		
	For Tinted Glass, Add	4.20		
	For Reflective Coated Glass, Add	8.40		
	For Low-E Coated Glass, Add	7.00		
	For One Piece Heat Strengthened Glass, Add	5.60		
	Note: Double UOM if applied for both interior and exterior glazing			
	For One Piece Fully Tempered Glass, Add	5.60		
	Note: Double UOM if applied for both interior and exterior glazing			
	For One Piece Obscure Glass, Add	11.90		
	Note: Double UOM if applied for both interior and exterior glazing			
	For Argon Gas, Add	3.85		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0071	SF		1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add	30.61 -0.92 -1.84 -2.75 4.59 9.18 7.65 6.12 6.12 13.01 4.21	
08 81 23 13-0072			Laminated Insulated Glass, Factory Installed Glass (08 81 23 13-0050)		
08 81 23 13-0073	SF		1" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For Argon Gas, Add	85.72 -2.57 -5.14 -7.71 12.86 25.72 21.43 11.79	
08 81 23 13-0074	SF		1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For Argon Gas, Add	104.08 -3.12 -6.24 -9.37 15.61 31.22 26.02 14.31	
08 81 23 13-0075	SF		1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For Argon Gas, Add	122.44 -3.67 -7.35 -11.02 18.37 36.73 30.61 16.84	
08 81 23 23			Field Installed Glass Glazing (08 81 23) Note: For replacement of existing glazing (use glass removal modifiers) and includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.		
08 81 23 23-0001			Heat Treated Field Installed Glass (08 81 23 23)		
08 81 23 23-0002			Tempered, Clear Float Field Installed Glass (08 81 23 23-0001) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0003	SF		1/8" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	29.30 -1.86 -3.39 -4.59 12.22 3.25 5.85 3.25	
08 81 23 23-0004	SF		3/16" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	31.44 -2.00 -3.64 -4.93 13.16 3.48 6.26 3.48	
08 81 23 23-0005	SF		1/4" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	35.70 -2.20 -4.02 -5.47 14.09 4.23 7.61 4.23	
08 81 23 23-0006	SF		5/16" Thick, Tempered, Clear Float Field Installed Glass For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add	49.45 -2.76 -5.10 -7.01 15.98 7.04 12.67 7.04	

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 23-0007	SF 3/8" Thick, Tempered, Clear Float Field Installed Glass	64.72
	For >50 To 200, Deduct	-3.37
	For >200 To 400, Deduct	-6.26
	For >400, Deduct	-8.68
	For Glass Removal And Preparing Opening For New Glazing, Add	17.86
	For Tinted Glass, Add	10.23
	For Reflective Coated Glass, Add	18.41
	For Low-E Coated Glass, Add	10.23
08 81 23 23-0008	SF 1/2" Thick, Tempered, Clear Float Field Installed Glass	71.26
	For >50 To 200, Deduct	-3.72
	For >200 To 400, Deduct	-6.91
	For >400, Deduct	-9.57
	For Glass Removal And Preparing Opening For New Glazing, Add	19.74
	For Tinted Glass, Add	11.24
	For Reflective Coated Glass, Add	20.22
	For Low-E Coated Glass, Add	11.24
08 81 23 23-0009	SF 5/8" Thick, Tempered, Clear Float Field Installed Glass	86.35
	For >50 To 200, Deduct	-4.55
	For >200 To 400, Deduct	-8.44
	For >400, Deduct	-11.68
	For Glass Removal And Preparing Opening For New Glazing, Add	24.44
	For Tinted Glass, Add	13.44
	For Reflective Coated Glass, Add	24.20
	For Low-E Coated Glass, Add	13.44
08 81 23 23-0010	SF 3/4" Thick, Tempered, Clear Float Field Installed Glass	105.27
	For >50 To 200, Deduct	-5.49
	For >200 To 400, Deduct	-10.20
	For >400, Deduct	-14.14
	For Glass Removal And Preparing Opening For New Glazing, Add	29.14
	For Tinted Glass, Add	16.61
	For Reflective Coated Glass, Add	29.89
	For Low-E Coated Glass, Add	16.61
08 81 23 23-0011	Clear Float Field Installed Glass (08 81 23 23)	
08 81 23 23-0012	Clear Float Field Installed Glass (08 81 23 23-0011)	
	Note: Type I, Class I, Quality Q3.	
08 81 23 23-0013	SF 1/8" Thick, Clear Float Field Installed Glass	25.03
	For >50 To 200, Deduct	-1.73
	For >200 To 400, Deduct	-3.13
	For >400, Deduct	-4.21
	For Glass Removal And Preparing Opening For New Glazing, Add	12.22
	For Tinted Glass, Add	2.19
	For Reflective Coated Glass, Add	3.93
	For Low-E Coated Glass, Add	2.19
08 81 23 23-0014	SF 3/16" Thick, Clear Float Field Installed Glass	26.91
	For >50 To 200, Deduct	-1.86
	For >200 To 400, Deduct	-3.37
	For >400, Deduct	-4.53
	For Glass Removal And Preparing Opening For New Glazing, Add	13.16
	For Tinted Glass, Add	2.34
	For Reflective Coated Glass, Add	4.22
	For Low-E Coated Glass, Add	2.34
08 81 23 23-0015	SF 1/4" Thick, Clear Float Field Installed Glass	30.15
	For >50 To 200, Deduct	-2.03
	For >200 To 400, Deduct	-3.69
	For >400, Deduct	-4.97
	For Glass Removal And Preparing Opening For New Glazing, Add	14.09
	For Tinted Glass, Add	2.84
	For Reflective Coated Glass, Add	5.11
	For Low-E Coated Glass, Add	2.84
08 81 23 23-0016	SF 5/16" Thick, Clear Float Field Installed Glass	40.19
	For >50 To 200, Deduct	-2.48
	For >200 To 400, Deduct	-4.54
	For >400, Deduct	-6.17
	For Glass Removal And Preparing Opening For New Glazing, Add	15.98
	For Tinted Glass, Add	4.72
	For Reflective Coated Glass, Add	8.50
	For Low-E Coated Glass, Add	4.72
08 81 23 23-0017	SF 3/8" Thick, Clear Float Field Installed Glass	51.29
	For >50 To 200, Deduct	-2.97
	For >200 To 400, Deduct	-5.46
	For >400, Deduct	-7.47
	For Glass Removal And Preparing Opening For New Glazing, Add	17.86
	For Tinted Glass, Add	6.87
	For Reflective Coated Glass, Add	12.37
	For Low-E Coated Glass, Add	6.87
08 81 23 23-0018	SF 1/2" Thick, Clear Float Field Installed Glass	56.52
	For >50 To 200, Deduct	-3.27
	For >200 To 400, Deduct	-6.02
	For >400, Deduct	-8.25
	For Glass Removal And Preparing Opening For New Glazing, Add	19.74
	For Tinted Glass, Add	7.55
	For Reflective Coated Glass, Add	13.59
	For Low-E Coated Glass, Add	7.55

			Openings	08	08
			Glazing	08 80	
			Glass Glazing	08 81	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
08 81 23 23-0019	SF	5/8" Thick, Clear Float Field Installed Glass	68.71		
		For >50 To 200, Deduct	-4.02		
		For >200 To 400, Deduct	-7.38		
		For >400, Deduct	-10.09		
		For Glass Removal And Preparing Opening For New Glazing, Add	24.44		
		For Tinted Glass, Add	9.03		
		For Reflective Coated Glass, Add	16.26		
		For Low-E Coated Glass, Add	9.03		
08 81 23 23-0020	SF	3/4" Thick, Clear Float Field Installed Glass	83.48		
		For >50 To 200, Deduct	-4.84		
		For >200 To 400, Deduct	-8.89		
		For >400, Deduct	-12.18		
		For Glass Removal And Preparing Opening For New Glazing, Add	29.14		
		For Tinted Glass, Add	11.16		
		For Reflective Coated Glass, Add	20.08		
		For Low-E Coated Glass, Add	11.16		
08 81 23 23-0021		Patterned Field Installed Glass (08 81 23 23)			
08 81 23 23-0022		Rough Obscure Field Installed Glass (08 81 23 23-0021)			
		Note: Class II, Form 3, Finish F1.			
08 81 23 23-0023	SF	1/4" Thick, Rough Obscure Field Installed Glass	89.87		
		For Glass Removal And Preparing Opening For New Glazing, Add	14.09		
08 81 23 23-0024		Patterned, Figured Field Installed Glass (08 81 23 23-0021)			
		Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.			
08 81 23 23-0025	SF	1/8" Thick, Patterned, Figured Field Installed Glass	59.47		
		For Glass Removal And Preparing Opening For New Glazing, Add	12.22		
08 81 23 23-0026	SF	7/32" Thick, Patterned, Figured Field Installed Glass	61.35		
		For Glass Removal And Preparing Opening For New Glazing, Add	13.63		
08 81 23 23-0027		Wired Field Installed Glass (08 81 23 23)			
08 81 23 23-0028		Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027)			
		Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.			
08 81 23 23-0029	SF	1/4" Thick, Square Pattern, Wired Field Installed Glass	130.55		
		For Glass Removal And Preparing Opening For New Glazing, Add	14.09		
08 81 23 23-0030	SF	1/4" Thick, Diamond Pattern, Wired Field Installed Glass	130.55		
		For Glass Removal And Preparing Opening For New Glazing, Add	14.09		
08 81 23 23-0031		Polished, Wired Field Installed Glass (08 81 23 23-0027)			
08 81 23 23-0032	SF	1/4" Thick, Polished, Wired Field Installed Glass	140.96		
		For Glass Removal And Preparing Opening For New Glazing, Add	14.09		
08 81 23 23-0033		Frosted Field Installed Glass (08 81 23 23)			
08 81 23 23-0034		Frosted Field Installed Glass (08 81 23 23-0033)			
08 81 23 23-0035	SF	1/8" Thick, Frosted Field Installed Glass	72.79		
		For >50 To 200, Deduct	-3.16		
		For >200 To 400, Deduct	-6.00		
		For >400, Deduct	-8.51		
		For Glass Removal And Preparing Opening For New Glazing, Add	12.22		
08 81 23 23-0036	SF	3/16" Thick, Frosted Field Installed Glass	91.68		
		For >50 To 200, Deduct	-3.80		
		For >200 To 400, Deduct	-7.25		
		For >400, Deduct	-10.36		
		For Glass Removal And Preparing Opening For New Glazing, Add	13.16		
08 81 23 23-0037	SF	1/4" Thick, Frosted Field Installed Glass	112.50		
		For >50 To 200, Deduct	-4.50		
		For >200 To 400, Deduct	-8.63		
		For >400, Deduct	-12.38		
		For Glass Removal And Preparing Opening For New Glazing, Add	14.09		
08 81 23 23-0038	SF	3/8" Thick, Frosted Field Installed Glass	163.89		
		For >50 To 200, Deduct	-6.35		
		For >200 To 400, Deduct	-12.21		
		For >400, Deduct	-17.61		
		For Glass Removal And Preparing Opening For New Glazing, Add	17.86		
08 81 23 23-0039		Fire Rated Field Installed Glass (08 81 23 23)			
08 81 23 23-0040		Fire Rated Field Installed Glass (08 81 23 23-0039)			
08 81 23 23-0041	SF	20 Minute, Fire Rated Field Installed Glass	72.45		
		For Glass Removal And Preparing Opening For New Glazing, Add	15.03		
08 81 23 23-0042	SF	45 Minute, Fire Rated Field Installed Glass	125.62		
		For Glass Removal And Preparing Opening For New Glazing, Add	15.03		
08 81 23 23-0043	SF	60 Minute, Fire Rated Field Installed Glass	183.89		
		For Glass Removal And Preparing Opening For New Glazing, Add	15.03		
08 81 23 23-0044	SF	90 Minute, Fire Rated Field Installed Glass	237.31		
		For Glass Removal And Preparing Opening For New Glazing, Add	15.03		
08 81 23 23-0045		Laminated Field Installed Glass (08 81 23 23)			

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 23-0046		Laminated Glass With PVB Interlayer, Field Installed Glass (08 81 23 23-0045)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	54.23
		For >50 To 200, Deduct	-2.75
		For >200 To 400, Deduct	-5.13
		For >400, Deduct	-7.14
		For Glass Removal And Preparing Opening For New Glazing, Add	14.09
		For Tinted Glass, Add	7.09
		For Reflective Coated Glass, Add	10.63
		For Low-E Coated Glass, Add	8.86
		For One Piece Heat Strengthened Glass, Add	7.09
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Fully Tempered Glass, Add	7.09
		Note: Double UOM if applied for both interior and exterior glazing	
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	68.05
		For >50 To 200, Deduct	-3.47
		For >200 To 400, Deduct	-6.46
		For >400, Deduct	-8.98
		For Glass Removal And Preparing Opening For New Glazing, Add	17.86
		For Tinted Glass, Add	8.85
		For Reflective Coated Glass, Add	13.27
		For Low-E Coated Glass, Add	11.06
		For One Piece Heat Strengthened Glass, Add	8.85
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Fully Tempered Glass, Add	8.85
		Note: Double UOM if applied for both interior and exterior glazing	
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	77.43
		For >50 To 200, Deduct	-3.90
		For >200 To 400, Deduct	-7.28
		For >400, Deduct	-10.13
		For Glass Removal And Preparing Opening For New Glazing, Add	19.74
		For Tinted Glass, Add	10.22
		For Reflective Coated Glass, Add	15.33
		For Low-E Coated Glass, Add	12.78
		For One Piece Heat Strengthened Glass, Add	10.22
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Fully Tempered Glass, Add	10.22
		Note: Double UOM if applied for both interior and exterior glazing	
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	86.95
		For >50 To 200, Deduct	-4.38
		For >200 To 400, Deduct	-8.16
		For >400, Deduct	-11.36
		For Glass Removal And Preparing Opening For New Glazing, Add	22.09
		For Tinted Glass, Add	11.50
		For Reflective Coated Glass, Add	17.25
		For Low-E Coated Glass, Add	14.38
		For One Piece Heat Strengthened Glass, Add	11.50
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Fully Tempered Glass, Add	11.50
		Note: Double UOM if applied for both interior and exterior glazing	
08 81 23 23-0051		Insulated Field Installed Glass (08 81 23 23)	
08 81 23 23-0052		Insulated Glass, Field Installed Glass (08 81 23 23-0051)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 23-0053		3/16" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)	
		Note: Type I, Class I, Quality Q3.	
08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass	42.85
		Note: Two 3/32" lites with 3/16" air space.	
		For >50 To 200, Deduct	-2.55
		For >200 To 400, Deduct	-4.68
		For >400, Deduct	-6.38
		For Glass Removal And Preparing Opening For New Glazing, Add	15.79
		For Tinted Glass, Add	3.27
		For Reflective Coated Glass, Add	6.54
		For Low-E Coated Glass, Add	5.45
		For One Piece Heat Strengthened Glass, Add	4.36
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Fully Tempered Glass, Add	4.36
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Obscure Glass, Add	9.27
		Note: Double UOM if applied for both interior and exterior glazing	
		For Argon Gas, Add	3.00
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass	45.75
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	
		For >50 To 200, Deduct	-2.69
		For >200 To 400, Deduct	-4.94
		For >400, Deduct	-6.75
		For Glass Removal And Preparing Opening For New Glazing, Add	16.45
		For Tinted Glass, Add	3.57
		For Reflective Coated Glass, Add	7.15
		For Low-E Coated Glass, Add	5.96
		For One Piece Heat Strengthened Glass, Add	4.76
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Fully Tempered Glass, Add	4.76
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Obscure Glass, Add	10.12
		Note: Double UOM if applied for both interior and exterior glazing	
		For Argon Gas, Add	3.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0056	SF		9/16" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 3/16" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add	46.16 -2.72 -5.00 -6.83 16.73 3.58 7.16 5.97 4.77 4.77 10.14 3.28	
08 81 23 23-0057			1/4" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF		7/16" Thick, Insulated Field Installed Glass Note: Two 3/32" lites with 1/4" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add	43.87 -2.60 -4.78 -6.52 16.07 3.37 6.73 5.61 4.49 4.49 9.54 3.09	
08 81 23 23-0059	SF		1/2" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 1/4" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add	45.75 -2.69 -4.94 -6.75 16.45 3.57 7.15 5.96 4.76 4.76 10.12 3.28	
08 81 23 23-0060	SF		5/8" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 1/4" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add	47.48 -2.83 -5.19 -7.08 17.54 3.61 7.23 6.02 4.82 4.82 10.24 3.31	
08 81 23 23-0061	SF		5/8" Thick, Insulated Field Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add	47.48 -2.83 -5.19 -7.08 17.54 3.61 7.23 6.02 4.82 4.82 10.24 3.31	

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass	53.07
		Note: Two 1/4" lites with 1/4" air space.	
		For >50 To 200, Deduct	-3.12
		For >200 To 400, Deduct	-5.74
		For >400, Deduct	-7.84
		For Glass Removal And Preparing Opening For New Glazing, Add	19.15
		For Tinted Glass, Add	4.13
		For Reflective Coated Glass, Add	8.26
		For Low-E Coated Glass, Add	6.89
		For One Piece Heat Strengthened Glass, Add	5.51
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Fully Tempered Glass, Add	5.51
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Obscure Glass, Add	11.70
		Note: Double UOM if applied for both interior and exterior glazing	
		For Argon Gas, Add	3.79

08 81 23 23-0063 3/8" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)

08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass	47.48
		Note: Two 1/8" lites with 3/8" air space.	
		For >50 To 200, Deduct	-2.83
		For >200 To 400, Deduct	-5.19
		For >400, Deduct	-7.08
		For Glass Removal And Preparing Opening For New Glazing, Add	17.54
		For Tinted Glass, Add	3.61
		For Reflective Coated Glass, Add	7.23
		For Low-E Coated Glass, Add	6.02
		For One Piece Heat Strengthened Glass, Add	4.82
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Fully Tempered Glass, Add	4.82
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Obscure Glass, Add	10.24
		Note: Double UOM if applied for both interior and exterior glazing	
		For Argon Gas, Add	3.31
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass	50.77
		Note: Two 3/16" lites with 3/8" air space.	
		For >50 To 200, Deduct	-3.05
		For >200 To 400, Deduct	-5.60
		For >400, Deduct	-7.63
		For Glass Removal And Preparing Opening For New Glazing, Add	19.15
		For Tinted Glass, Add	3.79
		For Reflective Coated Glass, Add	7.57
		For Low-E Coated Glass, Add	6.31
		For One Piece Heat Strengthened Glass, Add	5.05
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Fully Tempered Glass, Add	5.05
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Obscure Glass, Add	10.73
		Note: Double UOM if applied for both interior and exterior glazing	
		For Argon Gas, Add	3.47
08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass	54.06
		Note: Two 1/4" lites with 3/8" air space.	
		For >50 To 200, Deduct	-3.19
		For >200 To 400, Deduct	-5.85
		For >400, Deduct	-7.99
		For Glass Removal And Preparing Opening For New Glazing, Add	19.55
		For Tinted Glass, Add	4.20
		For Reflective Coated Glass, Add	8.40
		For Low-E Coated Glass, Add	7.00
		For One Piece Heat Strengthened Glass, Add	5.60
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Fully Tempered Glass, Add	5.60
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Obscure Glass, Add	11.90
		Note: Double UOM if applied for both interior and exterior glazing	
		For Argon Gas, Add	3.85
08 81 23 23-0067	SF	1" Thick, Insulated Field Installed Glass	57.94
		Note: Two 5/16" lites with 3/8" air space.	
		For >50 To 200, Deduct	-3.32
		For >200 To 400, Deduct	-6.11
		For >400, Deduct	-8.37
		For Glass Removal And Preparing Opening For New Glazing, Add	19.74
		For Tinted Glass, Add	4.74
		For Reflective Coated Glass, Add	9.49
		For Low-E Coated Glass, Add	7.91
		For One Piece Heat Strengthened Glass, Add	6.32
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Fully Tempered Glass, Add	6.32
		Note: Double UOM if applied for both interior and exterior glazing	
		For One Piece Obscure Glass, Add	13.44
		Note: Double UOM if applied for both interior and exterior glazing	
		For Argon Gas, Add	4.35

08 81 23 23-0068 1/2" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)

Note: Type I, Class I, Quality Q3.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0069	SF		3/4" Thick, Insulated Field Installed Glass .....50.77 Note: Two 1/8" lites with 1/2" air space. For >50 To 200, Deduct -3.05 For >200 To 400, Deduct -5.60 For >400, Deduct -7.63 For Glass Removal And Preparing Opening For New Glazing, Add 19.15 For Tinted Glass, Add 3.79 For Reflective Coated Glass, Add 7.57 For Low-E Coated Glass, Add 6.31 For One Piece Heat Strengthened Glass, Add 5.05 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 5.05 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 10.73 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 3.47		
08 81 23 23-0070	SF		7/8" Thick, Insulated Field Installed Glass .....54.06 Note: Two 3/16" lites with 1/2" air space. For >50 To 200, Deduct -3.19 For >200 To 400, Deduct -5.85 For >400, Deduct -7.99 For Glass Removal And Preparing Opening For New Glazing, Add 19.55 For Tinted Glass, Add 4.20 For Reflective Coated Glass, Add 8.40 For Low-E Coated Glass, Add 7.00 For One Piece Heat Strengthened Glass, Add 5.60 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 5.60 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 11.90 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 3.85		
08 81 23 23-0071	SF		7/8" Thick, Insulated Field Installed Glass .....54.06 Note: One 1/4" lite and one 1/8" lite with 1/2" air space. For >50 To 200, Deduct -3.19 For >200 To 400, Deduct -5.85 For >400, Deduct -7.99 For Glass Removal And Preparing Opening For New Glazing, Add 19.55 For Tinted Glass, Add 4.20 For Reflective Coated Glass, Add 8.40 For Low-E Coated Glass, Add 7.00 For One Piece Heat Strengthened Glass, Add 5.60 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 5.60 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 11.90 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 3.85		
08 81 23 23-0072	SF		1" Thick, Insulated Field Installed Glass .....56.93 Note: Two 1/4" lites with 1/2" air space. For >50 To 200, Deduct -3.29 For >200 To 400, Deduct -6.05 For >400, Deduct -8.28 For Glass Removal And Preparing Opening For New Glazing, Add 19.74 For Tinted Glass, Add 4.59 For Reflective Coated Glass, Add 9.18 For Low-E Coated Glass, Add 7.65 For One Piece Heat Strengthened Glass, Add 6.12 Note: Double UOM if applied for both interior and exterior glazing For One Piece Fully Tempered Glass, Add 6.12 Note: Double UOM if applied for both interior and exterior glazing For One Piece Obscure Glass, Add 13.01 Note: Double UOM if applied for both interior and exterior glazing For Argon Gas, Add 4.21		
08 81 23 23-0073			Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051) .....112.04		
08 81 23 23-0074	SF		1" Thick, Laminated Insulating Glass, Field Installed Glass.....112.04 Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct -4.94 For >200 To 400, Deduct -9.35 For >400, Deduct -13.24 For Glass Removal And Preparing Opening For New Glazing, Add 19.74 For Tinted Glass, Add 12.86 For Reflective Coated Glass, Add 25.72 For Low-E Coated Glass, Add 21.43 For Argon Gas, Add 11.79		
08 81 23 23-0075	SF		1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass .....134.16 Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct -5.83 For >200 To 400, Deduct -11.06 For >400, Deduct -15.68 For Glass Removal And Preparing Opening For New Glazing, Add 22.56 For Tinted Glass, Add 15.61 For Reflective Coated Glass, Add 31.22 For Low-E Coated Glass, Add 26.02 For Argon Gas, Add 14.31		

08 Openings**08 80 Glazing****08 81 Glass Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 81 23 23-0076	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass.....	156.90	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
		For >50 To 200, Deduct	-6.77	
		For >200 To 400, Deduct	-12.86	
		For >400, Deduct	-18.26	
		For Glass Removal And Preparing Opening For New Glazing, Add	25.85	
		For Tinted Glass, Add	18.37	
		For Reflective Coated Glass, Add	36.73	
		For Low-E Coated Glass, Add	30.61	
		For Argon Gas, Add	16.84	

08 81 23 23-0077 Spandrel Field Installed Glass (08 81 23 23)**08 81 23 23-0078 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass**

(08 81 23 23-0077)

08 81 23 23-0079	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	44.49	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.67	
08 81 23 23-0080	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	39.42	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.67	

08 81 23 23-0081 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0077)**08 81 23 23-0082 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0081)**

Note: Also with aluminum foil vapor barrier.

08 81 23 23-0083	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass.....	49.76	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.67	
08 81 23 23-0084	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	44.02	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.67	

08 81 23 23-0085 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0081)

08 81 23 23-0086	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	59.73	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.67	
08 81 23 23-0087	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	48.45	
		For Glass Removal And Preparing Opening For New Glazing, Add	15.67	

08 83 Mirrors (08 80)

Note: Kind FT, Type I, Class I, Quality Q1.

08 83 13 Mirrored Glass Glazing (08 83)**08 83 13 00-0001 Mirror Glass (08 83 13)****08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)**

08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors).....	97.24	9.40
		For >50 To 200, Deduct	-2.36	
		For >200 To 400, Deduct	-3.93	
		For >400, Deduct	-6.29	

08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)

08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors).....	136.37	9.40
		For >50 To 200, Deduct	-3.53	
		For >200 To 400, Deduct	-5.89	
		For >400, Deduct	-9.42	

08 83 13 00-0006 Clear Mirror Glass (08 83 13 00-0001)

08 83 13 00-0007	SF	1/8" Clear Mirror Glass	32.51	7.52
		For >50 To 200, Deduct	-0.52	
		For >200 To 400, Deduct	-0.87	
		For >400, Deduct	-1.40	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass	38.45	8.77
		For >50 To 200, Deduct	-0.64	
		For >200 To 400, Deduct	-1.06	
		For >400, Deduct	-1.69	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass	42.17	9.40
		For >50 To 200, Deduct	-0.71	
		For >200 To 400, Deduct	-1.18	
		For >400, Deduct	-1.89	

08 83 13 00-0010 Tempered, Clear Mirror Glass (08 83 13 00-0001)

08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	53.50	7.52
		For >50 To 200, Deduct	-1.15	
		For >200 To 400, Deduct	-1.92	
		For >400, Deduct	-3.08	
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	60.73	8.77
		For >50 To 200, Deduct	-1.30	
		For >200 To 400, Deduct	-2.17	
		For >400, Deduct	-3.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13 00-0013	SF	1/4"	Tempered, Clear Mirror Glass	67.00	9.40
			For >50 To 200, Deduct	-1.45	
			For >200 To 400, Deduct	-2.42	
			For >400, Deduct	-3.87	
08 83 13 00-0014			Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)		
08 83 13 00-0015	SF	1/4"	Clear Mirror Glass With Laminated Safety Backing	43.68	9.40
			For >50 To 200, Deduct	-0.75	
			For >200 To 400, Deduct	-1.26	
			For >400, Deduct	-2.01	
08 83 13 00-0016			Laminated Safety Mirror Glass (08 83 13 00-0001)		
			Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF	1/4"	Laminated Safety Mirror Glass	82.81	9.40
			For >50 To 200, Deduct	-1.93	
			For >200 To 400, Deduct	-3.21	
			For >400, Deduct	-5.14	
08 83 13 00-0018			Accessories For Mirror Glass (08 83 13)		
08 83 13 00-0019	LF	1/8"	Aluminum J-Channel For Mounting Mirror Glass	5.78	
08 83 13 00-0020	LF	3/16"	Aluminum J-Channel For Mounting Mirror Glass	5.88	
08 83 13 00-0021	LF	1/4"	Aluminum J-Channel For Mounting Mirror Glass	7.26	
08 83 13 00-0022	LF		Aluminum Frame For Mounting Mirror Glass	9.19	
08 84			Plastic Glazing (08 80)		
			Note: Demolition (use glass removal modifiers) for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.		
08 84 00 00-0001			Clear Polycarbonate Glazing (GE Lexan) (08 84)		
			See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.		
08 84 00 00-0002	SF	1/8"	Thick, Clear Polycarbonate Glazing (GE Lexan)	21.42	
			For >50 To 200, Deduct	-0.48	
			For >200 To 400, Deduct	-0.96	
			For >400, Deduct	-1.44	
			For Glass Removal And Preparing Opening For New Glazing, Add	11.82	
08 84 00 00-0003	SF	3/16"	Thick, Clear Polycarbonate Glazing (GE Lexan)	22.55	
			For >50 To 200, Deduct	-0.51	
			For >200 To 400, Deduct	-1.03	
			For >400, Deduct	-1.54	
			For Glass Removal And Preparing Opening For New Glazing, Add	12.28	
08 84 00 00-0004	SF	1/4"	Thick, Clear Polycarbonate Glazing (GE Lexan)	26.70	
			For >50 To 200, Deduct	-0.70	
			For >200 To 400, Deduct	-1.39	
			For >400, Deduct	-2.09	
			For Glass Removal And Preparing Opening For New Glazing, Add	12.77	
08 84 00 00-0005	SF	3/8"	Thick, Clear Polycarbonate Glazing (GE Lexan)	38.15	
			For >50 To 200, Deduct	-1.25	
			For >200 To 400, Deduct	-2.50	
			For >400, Deduct	-3.75	
			For Glass Removal And Preparing Opening For New Glazing, Add	13.14	
08 84 00 00-0006	SF	1/2"	Thick, Clear Polycarbonate Glazing (GE Lexan)	48.08	
			For >50 To 200, Deduct	-1.70	
			For >200 To 400, Deduct	-3.40	
			For >400, Deduct	-5.10	
			For Glass Removal And Preparing Opening For New Glazing, Add	14.09	
08 84 00 00-0007			Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) (08 84)		
08 84 00 00-0008	SF	1/8"	Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	31.55	
			For >50 To 200, Deduct	-0.99	
			For >200 To 400, Deduct	-1.97	
			For >400, Deduct	-2.96	
			For Glass Removal And Preparing Opening For New Glazing, Add	11.82	
08 84 00 00-0009	SF	3/16"	Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	36.55	
			For >50 To 200, Deduct	-1.21	
			For >200 To 400, Deduct	-2.43	
			For >400, Deduct	-3.64	
			For Glass Removal And Preparing Opening For New Glazing, Add	12.28	
08 84 00 00-0010	SF	1/4"	Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	38.60	
			For >50 To 200, Deduct	-1.29	
			For >200 To 400, Deduct	-2.58	
			For >400, Deduct	-3.87	
			For Glass Removal And Preparing Opening For New Glazing, Add	12.77	
08 84 00 00-0011	SF	3/8"	Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	63.04	
			For >50 To 200, Deduct	-2.50	
			For >200 To 400, Deduct	-4.99	
			For >400, Deduct	-7.49	
			For Glass Removal And Preparing Opening For New Glazing, Add	13.14	
08 84 00 00-0012	SF	1/2"	Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	66.97	
			For >50 To 200, Deduct	-2.64	
			For >200 To 400, Deduct	-5.29	
			For >400, Deduct	-7.93	
			For Glass Removal And Preparing Opening For New Glazing, Add	14.09	

08 Openings**08 80 Glazing****08 84 Plastic Glazing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) (08 84)

08 84 00 00-0014	SF 1/10" Thick, Clear Acrylic Glazing (Plexiglas)	15.16
	For >50 To 200, Deduct	-0.19
	For >200 To 400, Deduct	-0.39
	For >400, Deduct	-0.58
	For Glass Removal And Preparing Opening For New Glazing, Add	11.28
	For Colored, Add	0.78
	For Shatterproof, Add	2.33
	For Mirrored, Add	3.10
08 84 00 00-0015	SF 1/8" Thick, Clear Acrylic Glazing (Plexiglas)	15.75
	For >50 To 200, Deduct	-0.20
	For >200 To 400, Deduct	-0.39
	For >400, Deduct	-0.59
	For Glass Removal And Preparing Opening For New Glazing, Add	11.82
	For Colored, Add	0.79
	For Shatterproof, Add	2.36
	For Mirrored, Add	3.14
08 84 00 00-0016	SF 3/16" Thick, Clear Acrylic Glazing (Plexiglas)	18.41
	For >50 To 200, Deduct	-0.31
	For >200 To 400, Deduct	-0.61
	For >400, Deduct	-0.92
	For Glass Removal And Preparing Opening For New Glazing, Add	12.28
	For Colored, Add	1.23
	For Shatterproof, Add	3.68
	For Mirrored, Add	4.90
08 84 00 00-0017	SF 1/4" Thick, Clear Acrylic Glazing (Plexiglas)	20.85
	For >50 To 200, Deduct	-0.40
	For >200 To 400, Deduct	-0.81
	For >400, Deduct	-1.21
	For Glass Removal And Preparing Opening For New Glazing, Add	12.77
	For Colored, Add	1.62
	For Shatterproof, Add	4.85
	For Mirrored, Add	6.46
08 84 00 00-0018	SF 5/16" Thick, Clear Acrylic Glazing (Plexiglas)	21.31
	For >50 To 200, Deduct	-0.42
	For >200 To 400, Deduct	-0.85
	For >400, Deduct	-1.27
	For Glass Removal And Preparing Opening For New Glazing, Add	12.85
	For Colored, Add	1.69
	For Shatterproof, Add	5.08
	For Mirrored, Add	6.77
08 84 00 00-0019	SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas)	21.99
	For >50 To 200, Deduct	-0.44
	For >200 To 400, Deduct	-0.89
	For >400, Deduct	-1.33
	For Glass Removal And Preparing Opening For New Glazing, Add	13.14
	For Colored, Add	1.77
	For Shatterproof, Add	5.31
	For Mirrored, Add	7.08
08 84 00 00-0020	SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas)	25.79
	For >50 To 200, Deduct	-0.59
	For >200 To 400, Deduct	-1.17
	For >400, Deduct	-1.76
	For Glass Removal And Preparing Opening For New Glazing, Add	14.09
	For Colored, Add	2.34
	For Shatterproof, Add	7.02
	For Mirrored, Add	9.36
08 84 00 00-0021	SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas)	36.07
	For >50 To 200, Deduct	-0.91
	For >200 To 400, Deduct	-1.82
	For >400, Deduct	-2.73
	For Glass Removal And Preparing Opening For New Glazing, Add	17.84
08 84 00 00-0022	SF 1" Thick, Clear Acrylic Glazing (Plexiglas)	47.41
	For >50 To 200, Deduct	-1.40
	For >200 To 400, Deduct	-2.80
	For >400, Deduct	-4.20
	For Glass Removal And Preparing Opening For New Glazing, Add	19.38

08 84 00 00-0023 Clear Polycarbonate Glazing (PolyGal) (08 84)

08 84 00 00-0024	SF 6mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	16.16
	For >50 To 200, Deduct	-0.17
	For >200 To 400, Deduct	-0.34
	For >400, Deduct	-0.51
	For Colored, Add	0.68
08 84 00 00-0025	SF 8mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	17.18
	For >50 To 200, Deduct	-0.22
	For >200 To 400, Deduct	-0.43
	For >400, Deduct	-0.65
	For Colored, Add	0.87
08 84 00 00-0026	SF 10mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	18.15
	For >50 To 200, Deduct	-0.25
	For >200 To 400, Deduct	-0.50
	For >400, Deduct	-0.75
	For Colored, Add	1.00
08 84 00 00-0027	SF 16mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	22.05
	For >50 To 200, Deduct	-0.40
	For >200 To 400, Deduct	-0.80
	For >400, Deduct	-1.19
	For Colored, Add	1.59

			Openings	08	08
			Glazing	08 80	
			Plastic Glazing	08 84	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

08 84 00 00-0028	SF	8mm Thick, Polycarbonate Polycarbonate Glazing (PolyGal).....	18.82		
		For >50 To 200, Deduct	-0.30		
		For >200 To 400, Deduct	-0.60		
		For >400, Deduct	-0.90		
		For Colored, Add	1.19		
08 84 00 00-0029	SF	8mm Thick, Polyshade Polycarbonate Glazing (PolyGal).....	17.86		
		For >50 To 200, Deduct	-0.25		
		For >200 To 400, Deduct	-0.50		
		For >400, Deduct	-0.75		
		For Colored, Add	1.00		
08 84 00 00-0030	SF	16mm Thick, Polyshade Polycarbonate Glazing (PolyGal).....	25.79		
		For >50 To 200, Deduct	-0.59		
		For >200 To 400, Deduct	-1.17		
		For >400, Deduct	-1.76		
		For Colored, Add	2.34		

08 85 Glazing Accessories (08 80)

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

08 85 00 00-0001 Framing For Glass Windscreens (08 85)

Note: Excludes glazing.

08 85 00 00-0002	LF	1-1/4" x 1-1/2" Aluminum Framed Window Walls	32.57	2.29	
		For Bronze Anodized Aluminum, Add	3.94		
		For Stainless Steel, Add	16.08		
		For Black Anodized Finish, Add	7.09		
08 85 00 00-0003	LF	1-1/2" x 2" Aluminum Framed Window Walls.....	40.26	2.86	
		For Bronze Anodized Aluminum, Add	5.01		
		For Stainless Steel, Add	20.38		
		For Black Anodized Finish, Add	9.02		
08 85 00 00-0004	LF	1-1/2" x 3" Aluminum Framed Window Walls.....	47.92	2.29	
		For Bronze Anodized Aluminum, Add	5.99		
		For Stainless Steel, Add	24.34		
		For Black Anodized Finish, Add	10.77		
08 85 00 00-0005	LF	1-1/2" x 4" Aluminum Framed Window Walls.....	58.00	3.43	
		For Bronze Anodized Aluminum, Add	7.15		
		For Stainless Steel, Add	29.13		
		For Black Anodized Finish, Add	12.88		
08 85 00 00-0006	LF	2" x 3" Aluminum Framed Window Walls.....	59.29	2.86	
		For Bronze Anodized Aluminum, Add	7.61		
		For Stainless Steel, Add	30.85		
		For Black Anodized Finish, Add	13.69		
08 85 00 00-0007	LF	2" x 4" Aluminum Framed Window Walls.....	72.01	3.43	
		For Bronze Anodized Aluminum, Add	9.08		
		For Stainless Steel, Add	36.91		
		For Black Anodized Finish, Add	16.35		

08 87 Glazing Surface Films (08 80)

08 87 13 Solar Control Films (08 87)

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Solar Control Window Films (08 87 13)

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF	20% VLT, Bronze Window Tinting Film	11.52		
08 87 13 00-0003	SF	50% VLT, Bronze Window Tinting Film	11.52		
08 87 13 00-0004	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™).....	17.45		
08 87 13 00-0005	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™).....	17.98		

08 87 23 Safety and Security Films (08 87)

08 87 23 16 Security Films (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150).....	17.70		
		For >1,000 To 5,000, Deduct	-0.82		
		For >5,000, Deduct	-1.12		
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400).....	18.70		
		For >1,000 To 5,000, Deduct	-0.85		
		For >5,000, Deduct	-1.22		
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	21.66		
		For >1,000 To 5,000, Deduct	-0.96		
		For >5,000, Deduct	-1.51		

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films (08 87 23 16-0001)

08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400).....	19.81		
		For >1,000 To 5,000, Deduct	-0.89		
		For >5,000, Deduct	-1.33		

08 Openings**08 80 Glazing****08 87 Glazing Surface Films**
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08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	19.81
		<i>For >1,000 To 5,000, Deduct</i>	-0.89
		<i>For >5,000, Deduct</i>	-1.33
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	19.81
		<i>For >1,000 To 5,000, Deduct</i>	-0.89
		<i>For >5,000, Deduct</i>	-1.33

08 87 23 16-0010 Security And Safety Glazing Films (08 87 23 16)
 Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011	SF	0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	16.59
		<i>For >1,000 To 5,000, Deduct</i>	-0.78
		<i>For >5,000, Deduct</i>	-1.01
08 87 23 16-0012	SF	0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	16.85
		<i>For >1,000 To 5,000, Deduct</i>	-0.79
		<i>For >5,000, Deduct</i>	-1.03
08 87 23 16-0013	SF	0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	19.38
		<i>For >1,000 To 5,000, Deduct</i>	-0.88
		<i>For >5,000, Deduct</i>	-1.28

08 87 23 16-0014 Anti-Graffiti Glazing Films (08 87 23 16)
 Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	16.59
		<i>For >1,000 To 5,000, Deduct</i>	-0.78
		<i>For >5,000, Deduct</i>	-1.01
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	16.85
		<i>For >1,000 To 5,000, Deduct</i>	-0.79
		<i>For >5,000, Deduct</i>	-1.03

08 88 Special Function Glazing (08 80)**08 88 49 Radiation-Resistant Glazing** (08 88)**08 88 49 00-0001 Lead Glass (X-Ray Shielding)** (08 88 49)

08 88 49 00-0002	SF	1/4" Thick Lead Glass With 1/16" Lead Equivalence	380.20
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	23.81
08 88 49 00-0003	SF	1/4" Thick Lead Glass With 1/8" Lead Equivalence	565.04
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	23.81

08 88 53 Security Glazing (08 88)**08 88 53 00-0001 Forced Entry And/or Ballistic Resistant All Glass Laminate** (08 88 53)**08 88 53 00-0002 Ballistic Resistant Glass** (08 88 53 00-0001)

08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, Up To 15 SF	153.99
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	62.15
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, >15 SF	179.84
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	62.15
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, Up To 15 SF	203.94
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	70.18
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, >15 SF	225.54
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	70.18
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, Up To 15 SF	256.37
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	80.19
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, >15 SF	273.73
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	80.19

08 88 53 00-0009 Forced Entry Resistant Glass (08 88 53 00-0001)

08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	56.18
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	15.66
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	63.68
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.71
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	72.52
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	17.90
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	87.52
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.27

08 88 53 00-0014 Glass Clad Polycarbonate (08 88 53)

08 88 53 00-0015	SF	0.75" Ballistic Resistant Glass/Poly, 7.84 Lb./SF	223.92
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	76.18
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, 8.99 Lb./SF	250.66
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	88.22
08 88 53 00-0017	SF	0.9375" Ballistic Resistant Glass/Poly, 11.11 Lb./SF	319.18
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	100.25

08 88 53 00-0018 Ballistic Resistant Acrylic (08 88 53)

08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, 7.7 Lb./SF	237.29
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	76.18
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, 8.5 Lb./SF	277.40
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	88.22

			Openings	08	08
			Glazing	08 80	
			Special Function Glazing	08 88	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, 7.5 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	359.29 100.25		
08 88 53 00-0022		Ballistic Resistant Fiberglass (08 88 53)			
08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	95.08 38.10		
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	112.39 44.10		
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 Lb./SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	127.50 50.12		
08 88 53 00-0026		Forced Entry And/or Ballistic Resistant Polycarbonate (08 88 53)			
08 88 53 00-0027		Forced Entry Resistant Monolithic Polycarbonate (08 88 53 00-0026) Note: GE-Lexan MR10.			
08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	131.42 60.75		
08 88 53 00-0029		Forced Entry Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.			
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	162.48 75.18		
08 88 53 00-0031		Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: GE-Lexgard MPC-500.			
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	199.12 80.19		
08 88 53 00-0033		Fire Resistant, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.			
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	218.10 85.21		
08 88 53 00-0035		Insulated, Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026) Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.			
08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	186.97 75.18		
08 88 53 00-0037		Ballistic And Forced Entry Resistant Polycarbonate Laminate (08 88 53 00-0026)			
08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	431.02 166.40		
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	436.29 166.40		
08 88 53 00-0040		Ballistic Resistant Glass Clad Polycarbonate Laminate (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.			
08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	286.96 112.27		
08 90 Louvers and Vents (08)					
08 91 Louvers (08 90)					
08 91 13 Motorized Wall Louvers (08 91)					
08 91 13 00-0001		Motorized Wall Louver Actuator (08 91 13) See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.			
08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	2,116.23	118.12	
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	3,253.69	118.12	
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	2,278.36	118.12	
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	8,954.92	118.12	
08 91 16 Operable Wall Louvers (08 91)					

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 16 00-0001		Adjustable Intake Wall Louvers (08 91 16)		
		See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	583.14	31.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	52.06	
		For Clear Lacquer Finish, Add	104.12	
		For Baked Enamel Standard Colors, Add	156.18	
		For Anodized Finish, Add	208.24	
		For Kynar® Standard Colors Finish, Add	286.33	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	728.77	38.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	65.23	
		For Clear Lacquer Finish, Add	130.47	
		For Baked Enamel Standard Colors, Add	195.70	
		For Anodized Finish, Add	260.93	
		For Kynar® Standard Colors Finish, Add	358.78	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	861.73	45.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	77.14	
		For Clear Lacquer Finish, Add	154.28	
		For Baked Enamel Standard Colors, Add	231.42	
		For Anodized Finish, Add	308.56	
		For Kynar® Standard Colors Finish, Add	424.27	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,008.62	52.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	90.44	
		For Clear Lacquer Finish, Add	180.88	
		For Baked Enamel Standard Colors, Add	271.32	
		For Anodized Finish, Add	361.76	
		For Kynar® Standard Colors Finish, Add	497.42	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,136.51	59.07
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	101.84	
		For Clear Lacquer Finish, Add	203.68	
		For Baked Enamel Standard Colors, Add	305.52	
		For Anodized Finish, Add	407.36	
		For Kynar® Standard Colors Finish, Add	560.11	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,341.68	66.01
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	120.97	
		For Clear Lacquer Finish, Add	241.93	
		For Baked Enamel Standard Colors, Add	362.90	
		For Anodized Finish, Add	483.86	
		For Kynar® Standard Colors Finish, Add	665.31	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,529.11	72.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	138.32	
		For Clear Lacquer Finish, Add	276.64	
		For Baked Enamel Standard Colors, Add	414.96	
		For Anodized Finish, Add	553.28	
		For Kynar® Standard Colors Finish, Add	760.75	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,698.15	83.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	153.14	
		For Clear Lacquer Finish, Add	306.28	
		For Baked Enamel Standard Colors, Add	459.42	
		For Anodized Finish, Add	612.56	
		For Kynar® Standard Colors Finish, Add	842.26	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,812.12	90.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	163.15	
		For Clear Lacquer Finish, Add	326.29	
		For Baked Enamel Standard Colors, Add	489.44	
		For Anodized Finish, Add	652.58	
		For Kynar® Standard Colors Finish, Add	897.30	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,955.22	97.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	176.07	
		For Clear Lacquer Finish, Add	352.13	
		For Baked Enamel Standard Colors, Add	528.20	
		For Anodized Finish, Add	704.26	
		For Kynar® Standard Colors Finish, Add	968.36	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,080.58	104.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	187.21	
		For Clear Lacquer Finish, Add	374.42	
		For Baked Enamel Standard Colors, Add	561.64	
		For Anodized Finish, Add	748.85	
		For Kynar® Standard Colors Finish, Add	1,029.67	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,241.41	111.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	201.91	
		For Clear Lacquer Finish, Add	403.81	
		For Baked Enamel Standard Colors, Add	605.72	
		For Anodized Finish, Add	807.62	
		For Kynar® Standard Colors Finish, Add	1,110.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0014	EA		12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,395.91	118.12
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	215.97	
			For Clear Lacquer Finish, Add	431.93	
			For Baked Enamel Standard Colors, Add	647.90	
			For Anodized Finish, Add	863.86	
			For Kynar® Standard Colors Finish, Add	1,187.81	
08 91 16 00-0015	EA		12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,587.75	128.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	233.07	
			For Clear Lacquer Finish, Add	466.13	
			For Baked Enamel Standard Colors, Add	699.20	
			For Anodized Finish, Add	932.26	
			For Kynar® Standard Colors Finish, Add	1,281.86	
08 91 16 00-0016	EA		12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,728.92	138.97
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	245.10	
			For Clear Lacquer Finish, Add	490.20	
			For Baked Enamel Standard Colors, Add	735.30	
			For Anodized Finish, Add	980.40	
			For Kynar® Standard Colors Finish, Add	1,348.04	
08 91 16 00-0017	EA		18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	654.04	38.22
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	57.76	
			For Clear Lacquer Finish, Add	115.52	
			For Baked Enamel Standard Colors, Add	173.28	
			For Anodized Finish, Add	231.04	
			For Kynar® Standard Colors Finish, Add	317.68	
08 91 16 00-0018	EA		18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	825.60	48.64
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	72.83	
			For Clear Lacquer Finish, Add	145.67	
			For Baked Enamel Standard Colors, Add	218.50	
			For Anodized Finish, Add	291.33	
			For Kynar® Standard Colors Finish, Add	400.58	
08 91 16 00-0019	EA		18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	968.70	55.59
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	85.75	
			For Clear Lacquer Finish, Add	171.51	
			For Baked Enamel Standard Colors, Add	257.26	
			For Anodized Finish, Add	343.01	
			For Kynar® Standard Colors Finish, Add	471.64	
08 91 16 00-0020	EA		18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,205.50	69.49
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	106.65	
			For Clear Lacquer Finish, Add	213.31	
			For Baked Enamel Standard Colors, Add	319.96	
			For Anodized Finish, Add	426.61	
			For Kynar® Standard Colors Finish, Add	586.59	
08 91 16 00-0021	EA		18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,371.39	76.44
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	121.85	
			For Clear Lacquer Finish, Add	243.71	
			For Baked Enamel Standard Colors, Add	365.56	
			For Anodized Finish, Add	487.41	
			For Kynar® Standard Colors Finish, Add	670.19	
08 91 16 00-0022	EA		18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,537.29	83.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	137.05	
			For Clear Lacquer Finish, Add	274.11	
			For Baked Enamel Standard Colors, Add	411.16	
			For Anodized Finish, Add	548.21	
			For Kynar® Standard Colors Finish, Add	753.79	
08 91 16 00-0023	EA		18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,736.12	90.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	155.55	
			For Clear Lacquer Finish, Add	311.09	
			For Baked Enamel Standard Colors, Add	466.64	
			For Anodized Finish, Add	622.18	
			For Kynar® Standard Colors Finish, Add	855.50	
08 91 16 00-0024	EA		18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,925.43	100.75
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	172.39	
			For Clear Lacquer Finish, Add	344.78	
			For Baked Enamel Standard Colors, Add	517.18	
			For Anodized Finish, Add	689.57	
			For Kynar® Standard Colors Finish, Add	948.16	
08 91 16 00-0025	EA		18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,076.74	111.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	185.44	
			For Clear Lacquer Finish, Add	370.88	
			For Baked Enamel Standard Colors, Add	556.32	
			For Anodized Finish, Add	741.76	
			For Kynar® Standard Colors Finish, Add	1,019.91	
08 91 16 00-0026	EA		18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,222.37	118.12
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	198.61	
			For Clear Lacquer Finish, Add	397.22	
			For Baked Enamel Standard Colors, Add	595.84	
			For Anodized Finish, Add	794.45	
			For Kynar® Standard Colors Finish, Add	1,092.37	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,359.14	125.07
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	210.90	
		For Clear Lacquer Finish, Add	421.80	
		For Baked Enamel Standard Colors, Add	632.70	
		For Anodized Finish, Add	843.60	
		For Kynar® Standard Colors Finish, Add	1,159.94	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,536.44	132.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	227.24	
		For Clear Lacquer Finish, Add	454.48	
		For Baked Enamel Standard Colors, Add	681.72	
		For Anodized Finish, Add	908.96	
		For Kynar® Standard Colors Finish, Add	1,249.81	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,707.38	138.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	242.95	
		For Clear Lacquer Finish, Add	485.89	
		For Baked Enamel Standard Colors, Add	728.84	
		For Anodized Finish, Add	971.78	
		For Kynar® Standard Colors Finish, Add	1,336.20	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,915.70	149.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	261.69	
		For Clear Lacquer Finish, Add	523.38	
		For Baked Enamel Standard Colors, Add	785.08	
		For Anodized Finish, Add	1,046.77	
		For Kynar® Standard Colors Finish, Add	1,439.31	
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	3,073.35	159.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	275.37	
		For Clear Lacquer Finish, Add	550.74	
		For Baked Enamel Standard Colors, Add	826.12	
		For Anodized Finish, Add	1,101.49	
		For Kynar® Standard Colors Finish, Add	1,514.55	
08 91 16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	731.26	45.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	64.09	
		For Clear Lacquer Finish, Add	128.19	
		For Baked Enamel Standard Colors, Add	192.28	
		For Anodized Finish, Add	256.37	
		For Kynar® Standard Colors Finish, Add	352.51	
08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	928.17	55.59
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	81.70	
		For Clear Lacquer Finish, Add	163.40	
		For Baked Enamel Standard Colors, Add	245.10	
		For Anodized Finish, Add	326.80	
		For Kynar® Standard Colors Finish, Add	449.35	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,150.41	66.01
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	101.84	
		For Clear Lacquer Finish, Add	203.68	
		For Baked Enamel Standard Colors, Add	305.52	
		For Anodized Finish, Add	407.36	
		For Kynar® Standard Colors Finish, Add	560.11	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,356.80	79.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	119.70	
		For Clear Lacquer Finish, Add	239.40	
		For Baked Enamel Standard Colors, Add	359.10	
		For Anodized Finish, Add	478.80	
		For Kynar® Standard Colors Finish, Add	658.34	
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,539.17	86.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	136.55	
		For Clear Lacquer Finish, Add	273.09	
		For Baked Enamel Standard Colors, Add	409.64	
		For Anodized Finish, Add	546.18	
		For Kynar® Standard Colors Finish, Add	751.00	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,731.67	93.80
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	154.41	
		For Clear Lacquer Finish, Add	308.81	
		For Baked Enamel Standard Colors, Add	463.22	
		For Anodized Finish, Add	617.62	
		For Kynar® Standard Colors Finish, Add	849.23	
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,969.12	104.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	176.07	
		For Clear Lacquer Finish, Add	352.13	
		For Baked Enamel Standard Colors, Add	528.20	
		For Anodized Finish, Add	704.26	
		For Kynar® Standard Colors Finish, Add	968.36	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,169.17	118.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	193.29	
		For Clear Lacquer Finish, Add	386.58	
		For Baked Enamel Standard Colors, Add	579.88	
		For Anodized Finish, Add	773.17	
		For Kynar® Standard Colors Finish, Add	1,063.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0040	EA		24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,324.94	125.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	207.48	
			For Clear Lacquer Finish, Add	414.96	
			For Baked Enamel Standard Colors, Add	622.44	
			For Anodized Finish, Add	829.92	
			For Kynar® Standard Colors Finish, Add	1,141.13	
08 91 16 00-0041	EA		24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,494.59	138.97
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	221.67	
			For Clear Lacquer Finish, Add	443.33	
			For Baked Enamel Standard Colors, Add	665.00	
			For Anodized Finish, Add	886.66	
			For Kynar® Standard Colors Finish, Add	1,219.16	
08 91 16 00-0042	EA		24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,652.88	145.92
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	236.11	
			For Clear Lacquer Finish, Add	472.21	
			For Baked Enamel Standard Colors, Add	708.32	
			For Anodized Finish, Add	944.42	
			For Kynar® Standard Colors Finish, Add	1,298.58	
08 91 16 00-0043	EA		24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,868.18	152.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	256.25	
			For Clear Lacquer Finish, Add	512.49	
			For Baked Enamel Standard Colors, Add	768.74	
			For Anodized Finish, Add	1,024.98	
			For Kynar® Standard Colors Finish, Add	1,409.35	
08 91 16 00-0044	EA		24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,050.55	159.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	273.09	
			For Clear Lacquer Finish, Add	546.18	
			For Baked Enamel Standard Colors, Add	819.28	
			For Anodized Finish, Add	1,092.37	
			For Kynar® Standard Colors Finish, Add	1,502.01	
08 91 16 00-0045	EA		24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,280.39	170.24
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	293.99	
			For Clear Lacquer Finish, Add	587.98	
			For Baked Enamel Standard Colors, Add	881.98	
			For Anodized Finish, Add	1,175.97	
			For Kynar® Standard Colors Finish, Add	1,616.96	
08 91 16 00-0046	EA		24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,449.44	180.66
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	308.81	
			For Clear Lacquer Finish, Add	617.62	
			For Baked Enamel Standard Colors, Add	926.44	
			For Anodized Finish, Add	1,235.25	
			For Kynar® Standard Colors Finish, Add	1,698.47	
08 91 16 00-0047	EA		30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	814.82	52.12
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	71.06	
			For Clear Lacquer Finish, Add	142.12	
			For Baked Enamel Standard Colors, Add	213.18	
			For Anodized Finish, Add	284.24	
			For Kynar® Standard Colors Finish, Add	390.83	
08 91 16 00-0048	EA		30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,085.17	69.49
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	94.62	
			For Clear Lacquer Finish, Add	189.24	
			For Baked Enamel Standard Colors, Add	283.86	
			For Anodized Finish, Add	378.48	
			For Kynar® Standard Colors Finish, Add	520.41	
08 91 16 00-0049	EA		30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,288.40	79.91
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	112.86	
			For Clear Lacquer Finish, Add	225.72	
			For Baked Enamel Standard Colors, Add	338.58	
			For Anodized Finish, Add	451.44	
			For Kynar® Standard Colors Finish, Add	620.72	
08 91 16 00-0050	EA		30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,510.65	90.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	133.00	
			For Clear Lacquer Finish, Add	266.00	
			For Baked Enamel Standard Colors, Add	399.00	
			For Anodized Finish, Add	532.00	
			For Kynar® Standard Colors Finish, Add	731.49	
08 91 16 00-0051	EA		30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,709.49	97.27
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	151.49	
			For Clear Lacquer Finish, Add	302.99	
			For Baked Enamel Standard Colors, Add	454.48	
			For Anodized Finish, Add	605.97	
			For Kynar® Standard Colors Finish, Add	833.21	
08 91 16 00-0052	EA		30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,915.26	107.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	169.99	
			For Clear Lacquer Finish, Add	339.97	
			For Baked Enamel Standard Colors, Add	509.96	
			For Anodized Finish, Add	679.94	
			For Kynar® Standard Colors Finish, Add	934.92	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,162.22	114.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	193.29	
		For Clear Lacquer Finish, Add	386.58	
		For Baked Enamel Standard Colors, Add	579.88	
		For Anodized Finish, Add	773.17	
		For Kynar® Standard Colors Finish, Add	1,063.11	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,373.07	125.07
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	212.29	
		For Clear Lacquer Finish, Add	424.58	
		For Baked Enamel Standard Colors, Add	636.88	
		For Anodized Finish, Add	849.17	
		For Kynar® Standard Colors Finish, Add	1,167.61	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,546.57	132.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	228.25	
		For Clear Lacquer Finish, Add	456.50	
		For Baked Enamel Standard Colors, Add	684.76	
		For Anodized Finish, Add	913.01	
		For Kynar® Standard Colors Finish, Add	1,255.39	
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,736.48	145.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	244.47	
		For Clear Lacquer Finish, Add	488.93	
		For Baked Enamel Standard Colors, Add	733.40	
		For Anodized Finish, Add	977.86	
		For Kynar® Standard Colors Finish, Add	1,344.56	
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,918.20	156.34
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	260.55	
		For Clear Lacquer Finish, Add	521.10	
		For Baked Enamel Standard Colors, Add	781.66	
		For Anodized Finish, Add	1,042.21	
		For Kynar® Standard Colors Finish, Add	1,433.04	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,147.43	163.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	282.09	
		For Clear Lacquer Finish, Add	564.17	
		For Baked Enamel Standard Colors, Add	846.26	
		For Anodized Finish, Add	1,128.34	
		For Kynar® Standard Colors Finish, Add	1,551.47	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,346.25	170.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	300.58	
		For Clear Lacquer Finish, Add	601.16	
		For Baked Enamel Standard Colors, Add	901.73	
		For Anodized Finish, Add	1,202.31	
		For Kynar® Standard Colors Finish, Add	1,653.18	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,587.50	180.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	322.62	
		For Clear Lacquer Finish, Add	645.24	
		For Baked Enamel Standard Colors, Add	967.85	
		For Anodized Finish, Add	1,290.47	
		For Kynar® Standard Colors Finish, Add	1,774.40	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,779.35	191.08
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	339.72	
		For Clear Lacquer Finish, Add	679.44	
		For Baked Enamel Standard Colors, Add	1,019.15	
		For Anodized Finish, Add	1,358.87	
		For Kynar® Standard Colors Finish, Add	1,868.45	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	892.05	59.07
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	77.39	
		For Clear Lacquer Finish, Add	154.79	
		For Baked Enamel Standard Colors, Add	232.18	
		For Anodized Finish, Add	309.57	
		For Kynar® Standard Colors Finish, Add	425.66	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,207.99	76.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	105.51	
		For Clear Lacquer Finish, Add	211.03	
		For Baked Enamel Standard Colors, Add	316.54	
		For Anodized Finish, Add	422.05	
		For Kynar® Standard Colors Finish, Add	580.32	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,412.50	86.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	123.88	
		For Clear Lacquer Finish, Add	247.76	
		For Baked Enamel Standard Colors, Add	371.64	
		For Anodized Finish, Add	495.52	
		For Kynar® Standard Colors Finish, Add	681.33	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,656.29	97.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	146.17	
		For Clear Lacquer Finish, Add	292.35	
		For Baked Enamel Standard Colors, Add	438.52	
		For Anodized Finish, Add	584.69	
		For Kynar® Standard Colors Finish, Add	803.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0066	EA		36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,881.95	105.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	167.07	
			For Clear Lacquer Finish, Add	334.14	
			For Baked Enamel Standard Colors, Add	501.22	
			For Anodized Finish, Add	668.29	
			For Kynar® Standard Colors Finish, Add	918.90	
08 91 16 00-0067	EA		36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,093.82	114.65
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	186.45	
			For Clear Lacquer Finish, Add	372.90	
			For Baked Enamel Standard Colors, Add	559.36	
			For Anodized Finish, Add	745.81	
			For Kynar® Standard Colors Finish, Add	1,025.49	
08 91 16 00-0068	EA		36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,369.92	121.60
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	212.67	
			For Clear Lacquer Finish, Add	425.34	
			For Baked Enamel Standard Colors, Add	638.02	
			For Anodized Finish, Add	850.69	
			For Kynar® Standard Colors Finish, Add	1,169.70	
08 91 16 00-0069	EA		36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,607.37	132.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	234.33	
			For Clear Lacquer Finish, Add	468.66	
			For Baked Enamel Standard Colors, Add	703.00	
			For Anodized Finish, Add	937.33	
			For Kynar® Standard Colors Finish, Add	1,288.83	
08 91 16 00-0070	EA		36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,800.47	142.44
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	251.56	
			For Clear Lacquer Finish, Add	503.12	
			For Baked Enamel Standard Colors, Add	754.68	
			For Anodized Finish, Add	1,006.24	
			For Kynar® Standard Colors Finish, Add	1,383.57	
08 91 16 00-0071	EA		36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,998.65	152.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	269.29	
			For Clear Lacquer Finish, Add	538.58	
			For Baked Enamel Standard Colors, Add	807.88	
			For Anodized Finish, Add	1,077.17	
			For Kynar® Standard Colors Finish, Add	1,481.11	
08 91 16 00-0072	EA		36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,203.16	163.29
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	287.66	
			For Clear Lacquer Finish, Add	575.32	
			For Baked Enamel Standard Colors, Add	862.97	
			For Anodized Finish, Add	1,150.63	
			For Kynar® Standard Colors Finish, Add	1,582.12	
08 91 16 00-0073	EA		36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,453.92	170.24
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	311.35	
			For Clear Lacquer Finish, Add	622.69	
			For Baked Enamel Standard Colors, Add	934.04	
			For Anodized Finish, Add	1,245.38	
			For Kynar® Standard Colors Finish, Add	1,712.40	
08 91 16 00-0074	EA		36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,667.95	177.19
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	331.36	
			For Clear Lacquer Finish, Add	662.72	
			For Baked Enamel Standard Colors, Add	994.07	
			For Anodized Finish, Add	1,325.43	
			For Kynar® Standard Colors Finish, Add	1,822.47	
08 91 16 00-0075	EA		36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,940.87	187.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	356.57	
			For Clear Lacquer Finish, Add	713.13	
			For Baked Enamel Standard Colors, Add	1,069.70	
			For Anodized Finish, Add	1,426.26	
			For Kynar® Standard Colors Finish, Add	1,961.11	
08 91 16 00-0076	EA		36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,144.11	198.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	374.81	
			For Clear Lacquer Finish, Add	749.61	
			For Baked Enamel Standard Colors, Add	1,124.42	
			For Anodized Finish, Add	1,499.22	
			For Kynar® Standard Colors Finish, Add	2,061.43	
08 91 16 00-0077	EA		42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,021.22	66.01
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	88.92	
			For Clear Lacquer Finish, Add	177.84	
			For Baked Enamel Standard Colors, Add	266.76	
			For Anodized Finish, Add	355.68	
			For Kynar® Standard Colors Finish, Add	489.06	
08 91 16 00-0078	EA		42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,302.95	83.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	113.62	
			For Clear Lacquer Finish, Add	227.24	
			For Baked Enamel Standard Colors, Add	340.86	
			For Anodized Finish, Add	454.48	
			For Kynar® Standard Colors Finish, Add	624.90	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,530.27	93.80
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	134.27	
		For Clear Lacquer Finish, Add	268.53	
		For Baked Enamel Standard Colors, Add	402.80	
		For Anodized Finish, Add	537.06	
		For Kynar® Standard Colors Finish, Add	738.46	
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,789.86	107.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	157.45	
		For Clear Lacquer Finish, Add	314.89	
		For Baked Enamel Standard Colors, Add	472.34	
		For Anodized Finish, Add	629.78	
		For Kynar® Standard Colors Finish, Add	865.95	
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,030.49	114.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	180.12	
		For Clear Lacquer Finish, Add	360.24	
		For Baked Enamel Standard Colors, Add	540.36	
		For Anodized Finish, Add	720.48	
		For Kynar® Standard Colors Finish, Add	990.65	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,258.46	121.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	201.53	
		For Clear Lacquer Finish, Add	403.05	
		For Baked Enamel Standard Colors, Add	604.58	
		For Anodized Finish, Add	806.10	
		For Kynar® Standard Colors Finish, Add	1,108.39	
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,558.62	128.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	230.15	
		For Clear Lacquer Finish, Add	460.30	
		For Baked Enamel Standard Colors, Add	690.46	
		For Anodized Finish, Add	920.61	
		For Kynar® Standard Colors Finish, Add	1,265.84	
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,799.85	138.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	252.19	
		For Clear Lacquer Finish, Add	504.38	
		For Baked Enamel Standard Colors, Add	756.58	
		For Anodized Finish, Add	1,008.77	
		For Kynar® Standard Colors Finish, Add	1,387.06	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,017.03	149.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	271.83	
		For Clear Lacquer Finish, Add	543.65	
		For Baked Enamel Standard Colors, Add	815.48	
		For Anodized Finish, Add	1,087.30	
		For Kynar® Standard Colors Finish, Add	1,495.04	
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,220.28	159.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	290.07	
		For Clear Lacquer Finish, Add	580.13	
		For Baked Enamel Standard Colors, Add	870.20	
		For Anodized Finish, Add	1,160.26	
		For Kynar® Standard Colors Finish, Add	1,595.36	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,442.52	170.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	310.21	
		For Clear Lacquer Finish, Add	620.41	
		For Baked Enamel Standard Colors, Add	930.62	
		For Anodized Finish, Add	1,240.82	
		For Kynar® Standard Colors Finish, Add	1,706.13	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,712.29	177.19
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	335.79	
		For Clear Lacquer Finish, Add	671.58	
		For Baked Enamel Standard Colors, Add	1,007.38	
		For Anodized Finish, Add	1,343.17	
		For Kynar® Standard Colors Finish, Add	1,846.86	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,946.58	184.13
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	357.83	
		For Clear Lacquer Finish, Add	715.66	
		For Baked Enamel Standard Colors, Add	1,073.49	
		For Anodized Finish, Add	1,431.32	
		For Kynar® Standard Colors Finish, Add	1,968.07	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,252.43	194.56
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	386.33	
		For Clear Lacquer Finish, Add	772.66	
		For Baked Enamel Standard Colors, Add	1,158.99	
		For Anodized Finish, Add	1,545.32	
		For Kynar® Standard Colors Finish, Add	2,124.82	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,464.54	204.98
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	405.46	
		For Clear Lacquer Finish, Add	810.92	
		For Baked Enamel Standard Colors, Add	1,216.37	
		For Anodized Finish, Add	1,621.83	
		For Kynar® Standard Colors Finish, Add	2,230.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0092	EA		48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,104.78	72.96
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	95.89	
			For Clear Lacquer Finish, Add	191.77	
			For Baked Enamel Standard Colors, Add	287.66	
			For Anodized Finish, Add	383.54	
			For Kynar® Standard Colors Finish, Add	527.37	
08 91 16 00-0093	EA		48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,404.25	90.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	122.36	
			For Clear Lacquer Finish, Add	244.72	
			For Baked Enamel Standard Colors, Add	367.08	
			For Anodized Finish, Add	489.44	
			For Kynar® Standard Colors Finish, Add	672.97	
08 91 16 00-0094	EA		48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,662.59	104.22
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	145.41	
			For Clear Lacquer Finish, Add	290.83	
			For Baked Enamel Standard Colors, Add	436.24	
			For Anodized Finish, Add	581.65	
			For Kynar® Standard Colors Finish, Add	799.77	
08 91 16 00-0095	EA		48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,929.16	114.65
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	169.99	
			For Clear Lacquer Finish, Add	339.97	
			For Baked Enamel Standard Colors, Add	509.96	
			For Anodized Finish, Add	679.94	
			For Kynar® Standard Colors Finish, Add	934.92	
08 91 16 00-0096	EA		48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,195.12	121.60
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	195.19	
			For Clear Lacquer Finish, Add	390.38	
			For Baked Enamel Standard Colors, Add	585.58	
			For Anodized Finish, Add	780.77	
			For Kynar® Standard Colors Finish, Add	1,073.56	
08 91 16 00-0097	EA		48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,452.22	128.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	219.51	
			For Clear Lacquer Finish, Add	439.02	
			For Baked Enamel Standard Colors, Add	658.54	
			For Anodized Finish, Add	878.05	
			For Kynar® Standard Colors Finish, Add	1,207.32	
08 91 16 00-0098	EA		48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,771.98	138.97
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	249.41	
			For Clear Lacquer Finish, Add	498.81	
			For Baked Enamel Standard Colors, Add	748.22	
			For Anodized Finish, Add	997.62	
			For Kynar® Standard Colors Finish, Add	1,371.73	
08 91 16 00-0099	EA		48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,036.03	149.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	273.73	
			For Clear Lacquer Finish, Add	547.45	
			For Baked Enamel Standard Colors, Add	821.18	
			For Anodized Finish, Add	1,094.90	
			For Kynar® Standard Colors Finish, Add	1,505.49	
08 91 16 00-0100	EA		48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,264.61	159.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	294.50	
			For Clear Lacquer Finish, Add	589.00	
			For Baked Enamel Standard Colors, Add	883.49	
			For Anodized Finish, Add	1,177.99	
			For Kynar® Standard Colors Finish, Add	1,619.74	
08 91 16 00-0101	EA		48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,496.99	170.24
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	315.65	
			For Clear Lacquer Finish, Add	631.30	
			For Baked Enamel Standard Colors, Add	946.96	
			For Anodized Finish, Add	1,262.61	
			For Kynar® Standard Colors Finish, Add	1,736.09	
08 91 16 00-0102	EA		48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,724.30	180.66
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	336.30	
			For Clear Lacquer Finish, Add	672.60	
			For Baked Enamel Standard Colors, Add	1,008.89	
			For Anodized Finish, Add	1,345.19	
			For Kynar® Standard Colors Finish, Add	1,849.64	
08 91 16 00-0103	EA		48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,029.53	187.61
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	365.43	
			For Clear Lacquer Finish, Add	730.86	
			For Baked Enamel Standard Colors, Add	1,096.29	
			For Anodized Finish, Add	1,461.72	
			For Kynar® Standard Colors Finish, Add	2,009.87	
08 91 16 00-0104	EA		48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	4,282.83	194.56
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	389.37	
			For Clear Lacquer Finish, Add	778.74	
			For Baked Enamel Standard Colors, Add	1,168.11	
			For Anodized Finish, Add	1,557.48	
			For Kynar® Standard Colors Finish, Add	2,141.54	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,595.65	201.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	419.26	
		For Clear Lacquer Finish, Add	838.53	
		For Baked Enamel Standard Colors, Add	1,257.79	
		For Anodized Finish, Add	1,677.06	
		For Kynar® Standard Colors Finish, Add	2,305.95	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,829.30	211.93
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	440.54	
		For Clear Lacquer Finish, Add	881.09	
		For Baked Enamel Standard Colors, Add	1,321.63	
		For Anodized Finish, Add	1,762.18	
		For Kynar® Standard Colors Finish, Add	2,422.99	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,282.69	83.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	111.59	
		For Clear Lacquer Finish, Add	223.19	
		For Baked Enamel Standard Colors, Add	334.78	
		For Anodized Finish, Add	446.37	
		For Kynar® Standard Colors Finish, Add	613.76	
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,645.50	100.75
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	144.40	
		For Clear Lacquer Finish, Add	288.80	
		For Baked Enamel Standard Colors, Add	433.20	
		For Anodized Finish, Add	577.60	
		For Kynar® Standard Colors Finish, Add	794.19	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,928.51	118.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	169.23	
		For Clear Lacquer Finish, Add	338.45	
		For Baked Enamel Standard Colors, Add	507.68	
		For Anodized Finish, Add	676.90	
		For Kynar® Standard Colors Finish, Add	930.74	
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	2,217.27	125.07
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	196.71	
		For Clear Lacquer Finish, Add	393.42	
		For Baked Enamel Standard Colors, Add	590.14	
		For Anodized Finish, Add	786.85	
		For Kynar® Standard Colors Finish, Add	1,081.92	
08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,531.37	132.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	226.73	
		For Clear Lacquer Finish, Add	453.46	
		For Baked Enamel Standard Colors, Add	680.20	
		For Anodized Finish, Add	906.93	
		For Kynar® Standard Colors Finish, Add	1,247.03	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,812.52	138.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	253.46	
		For Clear Lacquer Finish, Add	506.92	
		For Baked Enamel Standard Colors, Add	760.38	
		For Anodized Finish, Add	1,013.84	
		For Kynar® Standard Colors Finish, Add	1,394.02	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	3,184.23	149.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	288.55	
		For Clear Lacquer Finish, Add	577.09	
		For Baked Enamel Standard Colors, Add	865.64	
		For Anodized Finish, Add	1,154.18	
		For Kynar® Standard Colors Finish, Add	1,587.00	
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,545.81	159.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	322.62	
		For Clear Lacquer Finish, Add	645.24	
		For Baked Enamel Standard Colors, Add	967.85	
		For Anodized Finish, Add	1,290.47	
		For Kynar® Standard Colors Finish, Add	1,774.40	
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,816.19	170.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	347.57	
		For Clear Lacquer Finish, Add	695.14	
		For Baked Enamel Standard Colors, Add	1,042.72	
		For Anodized Finish, Add	1,390.29	
		For Kynar® Standard Colors Finish, Add	1,911.65	
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	4,082.77	180.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	372.15	
		For Clear Lacquer Finish, Add	744.29	
		For Baked Enamel Standard Colors, Add	1,116.44	
		For Anodized Finish, Add	1,488.58	
		For Kynar® Standard Colors Finish, Add	2,046.80	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	4,339.87	187.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	396.47	
		For Clear Lacquer Finish, Add	792.93	
		For Baked Enamel Standard Colors, Add	1,189.40	
		For Anodized Finish, Add	1,585.86	
		For Kynar® Standard Colors Finish, Add	2,180.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0118	EA		54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,680.56	194.56
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	429.14	
			For Clear Lacquer Finish, Add	858.29	
			For Baked Enamel Standard Colors, Add	1,287.43	
			For Anodized Finish, Add	1,716.58	
			For Kynar® Standard Colors Finish, Add	2,360.29	
08 91 16 00-0119	EA		54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	4,964.25	201.51
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	456.12	
			For Clear Lacquer Finish, Add	912.25	
			For Baked Enamel Standard Colors, Add	1,368.37	
			For Anodized Finish, Add	1,824.50	
			For Kynar® Standard Colors Finish, Add	2,508.68	
08 91 16 00-0120	EA		54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	5,330.28	208.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	491.34	
			For Clear Lacquer Finish, Add	982.67	
			For Baked Enamel Standard Colors, Add	1,474.01	
			For Anodized Finish, Add	1,965.35	
			For Kynar® Standard Colors Finish, Add	2,702.35	
08 91 16 00-0121	EA		54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	5,603.20	218.88
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	516.54	
			For Clear Lacquer Finish, Add	1,033.09	
			For Baked Enamel Standard Colors, Add	1,549.63	
			For Anodized Finish, Add	2,066.18	
			For Kynar® Standard Colors Finish, Add	2,840.99	
08 91 16 00-0122	EA		60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,361.19	90.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	118.05	
			For Clear Lacquer Finish, Add	236.11	
			For Baked Enamel Standard Colors, Add	354.16	
			For Anodized Finish, Add	472.21	
			For Kynar® Standard Colors Finish, Add	649.29	
08 91 16 00-0123	EA		60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,753.74	111.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	153.14	
			For Clear Lacquer Finish, Add	306.28	
			For Baked Enamel Standard Colors, Add	459.42	
			For Anodized Finish, Add	612.56	
			For Kynar® Standard Colors Finish, Add	842.26	
08 91 16 00-0124	EA		60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	2,043.74	125.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	179.36	
			For Clear Lacquer Finish, Add	358.72	
			For Baked Enamel Standard Colors, Add	538.08	
			For Anodized Finish, Add	717.44	
			For Kynar® Standard Colors Finish, Add	986.47	
08 91 16 00-0125	EA		60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	2,361.64	132.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	209.76	
			For Clear Lacquer Finish, Add	419.52	
			For Baked Enamel Standard Colors, Add	629.28	
			For Anodized Finish, Add	839.04	
			For Kynar® Standard Colors Finish, Add	1,153.67	
08 91 16 00-0126	EA		60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,694.07	142.44
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	240.92	
			For Clear Lacquer Finish, Add	481.84	
			For Baked Enamel Standard Colors, Add	722.76	
			For Anodized Finish, Add	963.68	
			For Kynar® Standard Colors Finish, Add	1,325.05	
08 91 16 00-0127	EA		60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,991.70	149.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	269.29	
			For Clear Lacquer Finish, Add	538.58	
			For Baked Enamel Standard Colors, Add	807.88	
			For Anodized Finish, Add	1,077.17	
			For Kynar® Standard Colors Finish, Add	1,481.11	
08 91 16 00-0128	EA		60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	3,390.01	159.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	307.04	
			For Clear Lacquer Finish, Add	614.08	
			For Baked Enamel Standard Colors, Add	921.11	
			For Anodized Finish, Add	1,228.15	
			For Kynar® Standard Colors Finish, Add	1,688.71	
08 91 16 00-0129	EA		60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,761.72	170.24
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	342.13	
			For Clear Lacquer Finish, Add	684.25	
			For Baked Enamel Standard Colors, Add	1,026.38	
			For Anodized Finish, Add	1,368.50	
			For Kynar® Standard Colors Finish, Add	1,881.69	
08 91 16 00-0130	EA		60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	4,051.10	180.66
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	368.98	
			For Clear Lacquer Finish, Add	737.96	
			For Baked Enamel Standard Colors, Add	1,106.93	
			For Anodized Finish, Add	1,475.91	
			For Kynar® Standard Colors Finish, Add	2,029.38	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	4,335.42		191.08
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	395.33		
		For Clear Lacquer Finish, Add	790.65		
		For Baked Enamel Standard Colors, Add	1,185.98		
		For Anodized Finish, Add	1,581.30		
		For Kynar® Standard Colors Finish, Add	2,174.29		
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	4,608.97		198.03
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	421.29		
		For Clear Lacquer Finish, Add	842.58		
		For Baked Enamel Standard Colors, Add	1,263.87		
		For Anodized Finish, Add	1,685.16		
		For Kynar® Standard Colors Finish, Add	2,317.10		
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,978.80		204.98
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	456.88		
		For Clear Lacquer Finish, Add	913.77		
		For Baked Enamel Standard Colors, Add	1,370.65		
		For Anodized Finish, Add	1,827.54		
		For Kynar® Standard Colors Finish, Add	2,512.86		
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	5,276.43		211.93
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	485.26		
		For Clear Lacquer Finish, Add	970.51		
		For Baked Enamel Standard Colors, Add	1,455.77		
		For Anodized Finish, Add	1,941.03		
		For Kynar® Standard Colors Finish, Add	2,668.91		
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	5,661.47		218.88
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	522.37		
		For Clear Lacquer Finish, Add	1,044.74		
		For Baked Enamel Standard Colors, Add	1,567.11		
		For Anodized Finish, Add	2,089.48		
		For Kynar® Standard Colors Finish, Add	2,873.04		
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	5,943.89		225.83
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	549.22		
		For Clear Lacquer Finish, Add	1,098.45		
		For Baked Enamel Standard Colors, Add	1,647.67		
		For Anodized Finish, Add	2,196.90		
		For Kynar® Standard Colors Finish, Add	3,020.73		
08 91 16 00-0137 Adjustable Intake Wall Louvers Operators (08 91 16)					
08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver.....	343.09		34.74
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	759.93		13.90
08 91 19 Fixed Louvers (08 91)					
08 91 19 00-0001 Fixed Intake Wall Louvers (08 91 19)					
08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	445.07		31.27
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	38.25		
		For Clear Lacquer Finish, Add	76.51		
		For Baked Enamel Standard Colors, Add	114.76		
		For Anodized Finish, Add	153.01		
		For Kynar® Standard Colors Finish, Add	210.39		
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	528.64		38.22
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	45.22		
		For Clear Lacquer Finish, Add	90.44		
		For Baked Enamel Standard Colors, Add	135.66		
		For Anodized Finish, Add	180.88		
		For Kynar® Standard Colors Finish, Add	248.71		
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	613.46		45.17
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	52.31		
		For Clear Lacquer Finish, Add	104.63		
		For Baked Enamel Standard Colors, Add	156.94		
		For Anodized Finish, Add	209.25		
		For Kynar® Standard Colors Finish, Add	287.72		
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	719.82		52.12
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	61.56		
		For Clear Lacquer Finish, Add	123.12		
		For Baked Enamel Standard Colors, Add	184.68		
		For Anodized Finish, Add	246.24		
		For Kynar® Standard Colors Finish, Add	338.58		
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	809.72		59.07
		Note: Includes bird screen. Excludes actuator.			
		For Flange Frame, Add	69.16		
		For Clear Lacquer Finish, Add	138.32		
		For Baked Enamel Standard Colors, Add	207.48		
		For Anodized Finish, Add	276.64		
		For Kynar® Standard Colors Finish, Add	380.38		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0007	EA		12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	955.35	66.01
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	82.33	
			For Clear Lacquer Finish, Add	164.67	
			For Baked Enamel Standard Colors, Add	247.00	
			For Anodized Finish, Add	329.33	
			For Kynar® Standard Colors Finish, Add	452.83	
08 91 19 00-0008	EA		12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,035.12	72.96
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	88.92	
			For Clear Lacquer Finish, Add	177.84	
			For Baked Enamel Standard Colors, Add	266.76	
			For Anodized Finish, Add	355.68	
			For Kynar® Standard Colors Finish, Add	489.06	
08 91 19 00-0009	EA		12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,157.29	83.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	99.05	
			For Clear Lacquer Finish, Add	198.11	
			For Baked Enamel Standard Colors, Add	297.16	
			For Anodized Finish, Add	396.21	
			For Kynar® Standard Colors Finish, Add	544.79	
08 91 19 00-0010	EA		12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,230.72	90.33
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	105.01	
			For Clear Lacquer Finish, Add	210.01	
			For Baked Enamel Standard Colors, Add	315.02	
			For Anodized Finish, Add	420.02	
			For Kynar® Standard Colors Finish, Add	577.53	
08 91 19 00-0011	EA		12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,330.75	97.27
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	113.62	
			For Clear Lacquer Finish, Add	227.24	
			For Baked Enamel Standard Colors, Add	340.86	
			For Anodized Finish, Add	454.48	
			For Kynar® Standard Colors Finish, Add	624.90	
08 91 19 00-0012	EA		12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,418.12	104.22
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	120.97	
			For Clear Lacquer Finish, Add	241.93	
			For Baked Enamel Standard Colors, Add	362.90	
			For Anodized Finish, Add	483.86	
			For Kynar® Standard Colors Finish, Add	665.31	
08 91 19 00-0013	EA		12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,521.94	111.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	129.96	
			For Clear Lacquer Finish, Add	259.92	
			For Baked Enamel Standard Colors, Add	389.88	
			For Anodized Finish, Add	519.84	
			For Kynar® Standard Colors Finish, Add	714.77	
08 91 19 00-0014	EA		12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,619.44	118.12
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	138.32	
			For Clear Lacquer Finish, Add	276.64	
			For Baked Enamel Standard Colors, Add	414.96	
			For Anodized Finish, Add	553.28	
			For Kynar® Standard Colors Finish, Add	760.75	
08 91 19 00-0015	EA		12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,706.16	128.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	144.91	
			For Clear Lacquer Finish, Add	289.81	
			For Baked Enamel Standard Colors, Add	434.72	
			For Anodized Finish, Add	579.62	
			For Kynar® Standard Colors Finish, Add	796.98	
08 91 19 00-0016	EA		12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,821.99	138.97
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	154.41	
			For Clear Lacquer Finish, Add	308.81	
			For Baked Enamel Standard Colors, Add	463.22	
			For Anodized Finish, Add	617.62	
			For Kynar® Standard Colors Finish, Add	849.23	
08 91 19 00-0017	EA		18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	517.24	38.22
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	44.08	
			For Clear Lacquer Finish, Add	88.16	
			For Baked Enamel Standard Colors, Add	132.24	
			For Anodized Finish, Add	176.32	
			For Kynar® Standard Colors Finish, Add	242.44	
08 91 19 00-0018	EA		18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	620.40	48.64
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	52.31	
			For Clear Lacquer Finish, Add	104.63	
			For Baked Enamel Standard Colors, Add	156.94	
			For Anodized Finish, Add	209.25	
			For Kynar® Standard Colors Finish, Add	287.72	
08 91 19 00-0019	EA		18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	719.17	55.59
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	60.80	
			For Clear Lacquer Finish, Add	121.60	
			For Baked Enamel Standard Colors, Add	182.40	
			For Anodized Finish, Add	243.20	
			For Kynar® Standard Colors Finish, Add	334.40	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	901.50	69.49
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	76.25	
		For Clear Lacquer Finish, Add	152.51	
		For Baked Enamel Standard Colors, Add	228.76	
		For Anodized Finish, Add	305.01	
		For Kynar® Standard Colors Finish, Add	419.39	
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,034.46	76.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	88.16	
		For Clear Lacquer Finish, Add	176.32	
		For Baked Enamel Standard Colors, Add	264.48	
		For Anodized Finish, Add	352.64	
		For Kynar® Standard Colors Finish, Add	484.88	
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,152.22	83.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	98.55	
		For Clear Lacquer Finish, Add	197.09	
		For Baked Enamel Standard Colors, Add	295.64	
		For Anodized Finish, Add	394.18	
		For Kynar® Standard Colors Finish, Add	542.00	
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,235.79	90.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	105.51	
		For Clear Lacquer Finish, Add	211.03	
		For Baked Enamel Standard Colors, Add	316.54	
		For Anodized Finish, Add	422.05	
		For Kynar® Standard Colors Finish, Add	580.32	
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,375.70	100.75
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	117.42	
		For Clear Lacquer Finish, Add	234.84	
		For Baked Enamel Standard Colors, Add	352.26	
		For Anodized Finish, Add	469.68	
		For Kynar® Standard Colors Finish, Add	645.80	
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,473.81	111.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	125.15	
		For Clear Lacquer Finish, Add	250.29	
		For Baked Enamel Standard Colors, Add	375.44	
		For Anodized Finish, Add	500.58	
		For Kynar® Standard Colors Finish, Add	688.30	
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,601.71	118.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	136.55	
		For Clear Lacquer Finish, Add	273.09	
		For Baked Enamel Standard Colors, Add	409.64	
		For Anodized Finish, Add	546.18	
		For Kynar® Standard Colors Finish, Add	751.00	
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,699.21	125.07
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	144.91	
		For Clear Lacquer Finish, Add	289.81	
		For Baked Enamel Standard Colors, Add	434.72	
		For Anodized Finish, Add	579.62	
		For Kynar® Standard Colors Finish, Add	796.98	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,808.11	132.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	154.41	
		For Clear Lacquer Finish, Add	308.81	
		For Baked Enamel Standard Colors, Add	463.22	
		For Anodized Finish, Add	617.62	
		For Kynar® Standard Colors Finish, Add	849.23	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,922.05	138.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	164.41	
		For Clear Lacquer Finish, Add	328.82	
		For Baked Enamel Standard Colors, Add	493.24	
		For Anodized Finish, Add	657.65	
		For Kynar® Standard Colors Finish, Add	904.27	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,022.70	149.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	172.39	
		For Clear Lacquer Finish, Add	344.78	
		For Baked Enamel Standard Colors, Add	517.18	
		For Anodized Finish, Add	689.57	
		For Kynar® Standard Colors Finish, Add	948.16	
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,162.62	159.81
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	184.30	
		For Clear Lacquer Finish, Add	368.60	
		For Baked Enamel Standard Colors, Add	552.90	
		For Anodized Finish, Add	737.20	
		For Kynar® Standard Colors Finish, Add	1,013.64	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	598.26	45.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	50.79	
		For Clear Lacquer Finish, Add	101.59	
		For Baked Enamel Standard Colors, Add	152.38	
		For Anodized Finish, Add	203.17	
		For Kynar® Standard Colors Finish, Add	279.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0033	EA		24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	712.83	55.59
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	60.17	
			For Clear Lacquer Finish, Add	120.33	
			For Baked Enamel Standard Colors, Add	180.50	
			For Anodized Finish, Add	240.66	
			For Kynar® Standard Colors Finish, Add	330.91	
08 91 19 00-0034	EA		24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	883.15	66.01
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	75.11	
			For Clear Lacquer Finish, Add	150.23	
			For Baked Enamel Standard Colors, Add	225.34	
			For Anodized Finish, Add	300.45	
			For Kynar® Standard Colors Finish, Add	413.12	
08 91 19 00-0035	EA		24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,041.41	79.91
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	88.16	
			For Clear Lacquer Finish, Add	176.32	
			For Baked Enamel Standard Colors, Add	264.48	
			For Anodized Finish, Add	352.64	
			For Kynar® Standard Colors Finish, Add	484.88	
08 91 19 00-0036	EA		24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,192.10	86.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	101.84	
			For Clear Lacquer Finish, Add	203.68	
			For Baked Enamel Standard Colors, Add	305.52	
			For Anodized Finish, Add	407.36	
			For Kynar® Standard Colors Finish, Add	560.11	
08 91 19 00-0037	EA		24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,331.40	93.80
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	114.38	
			For Clear Lacquer Finish, Add	228.76	
			For Baked Enamel Standard Colors, Add	343.14	
			For Anodized Finish, Add	457.52	
			For Kynar® Standard Colors Finish, Add	629.08	
08 91 19 00-0038	EA		24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,447.25	104.22
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	123.88	
			For Clear Lacquer Finish, Add	247.76	
			For Baked Enamel Standard Colors, Add	371.64	
			For Anodized Finish, Add	495.52	
			For Kynar® Standard Colors Finish, Add	681.33	
08 91 19 00-0039	EA		24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,601.71	118.12
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	136.55	
			For Clear Lacquer Finish, Add	273.09	
			For Baked Enamel Standard Colors, Add	409.64	
			For Anodized Finish, Add	546.18	
			For Kynar® Standard Colors Finish, Add	751.00	
08 91 19 00-0040	EA		24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,704.28	125.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	145.41	
			For Clear Lacquer Finish, Add	290.83	
			For Baked Enamel Standard Colors, Add	436.24	
			For Anodized Finish, Add	581.65	
			For Kynar® Standard Colors Finish, Add	799.77	
08 91 19 00-0041	EA		24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,872.65	138.97
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	159.47	
			For Clear Lacquer Finish, Add	318.94	
			For Baked Enamel Standard Colors, Add	478.42	
			For Anodized Finish, Add	637.89	
			For Kynar® Standard Colors Finish, Add	877.10	
08 91 19 00-0042	EA		24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,979.02	145.92
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	168.72	
			For Clear Lacquer Finish, Add	337.44	
			For Baked Enamel Standard Colors, Add	506.16	
			For Anodized Finish, Add	674.88	
			For Kynar® Standard Colors Finish, Add	927.95	
08 91 19 00-0043	EA		24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,117.05	152.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	181.13	
			For Clear Lacquer Finish, Add	362.26	
			For Baked Enamel Standard Colors, Add	543.40	
			For Anodized Finish, Add	724.53	
			For Kynar® Standard Colors Finish, Add	996.23	
08 91 19 00-0044	EA		24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,252.55	159.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	193.29	
			For Clear Lacquer Finish, Add	386.58	
			For Baked Enamel Standard Colors, Add	579.88	
			For Anodized Finish, Add	773.17	
			For Kynar® Standard Colors Finish, Add	1,063.11	
08 91 19 00-0045	EA		24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,355.73	170.24
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	201.53	
			For Clear Lacquer Finish, Add	403.05	
			For Baked Enamel Standard Colors, Add	604.58	
			For Anodized Finish, Add	806.10	
			For Kynar® Standard Colors Finish, Add	1,108.39	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,526.04	180.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	216.47	
		For Clear Lacquer Finish, Add	432.94	
		For Baked Enamel Standard Colors, Add	649.42	
		For Anodized Finish, Add	865.89	
		For Kynar® Standard Colors Finish, Add	1,190.60	
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	670.42	52.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	56.62	
		For Clear Lacquer Finish, Add	113.24	
		For Baked Enamel Standard Colors, Add	169.86	
		For Anodized Finish, Add	226.48	
		For Kynar® Standard Colors Finish, Add	311.41	
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	867.30	69.49
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	72.83	
		For Clear Lacquer Finish, Add	145.67	
		For Baked Enamel Standard Colors, Add	218.50	
		For Anodized Finish, Add	291.33	
		For Kynar® Standard Colors Finish, Add	400.58	
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,012.27	79.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	85.25	
		For Clear Lacquer Finish, Add	170.49	
		For Baked Enamel Standard Colors, Add	255.74	
		For Anodized Finish, Add	340.98	
		For Kynar® Standard Colors Finish, Add	468.85	
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,181.32	90.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	100.07	
		For Clear Lacquer Finish, Add	200.13	
		For Baked Enamel Standard Colors, Add	300.20	
		For Anodized Finish, Add	400.26	
		For Kynar® Standard Colors Finish, Add	550.36	
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,362.42	97.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	116.79	
		For Clear Lacquer Finish, Add	233.57	
		For Baked Enamel Standard Colors, Add	350.36	
		For Anodized Finish, Add	467.14	
		For Kynar® Standard Colors Finish, Add	642.32	
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,514.99	107.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	129.96	
		For Clear Lacquer Finish, Add	259.92	
		For Baked Enamel Standard Colors, Add	389.88	
		For Anodized Finish, Add	519.84	
		For Kynar® Standard Colors Finish, Add	714.77	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,628.96	114.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	139.97	
		For Clear Lacquer Finish, Add	279.93	
		For Baked Enamel Standard Colors, Add	419.90	
		For Anodized Finish, Add	559.86	
		For Kynar® Standard Colors Finish, Add	769.81	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,789.14	125.07
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	153.90	
		For Clear Lacquer Finish, Add	307.80	
		For Baked Enamel Standard Colors, Add	461.70	
		For Anodized Finish, Add	615.60	
		For Kynar® Standard Colors Finish, Add	846.44	
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,917.04	132.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	165.30	
		For Clear Lacquer Finish, Add	330.60	
		For Baked Enamel Standard Colors, Add	495.90	
		For Anodized Finish, Add	661.20	
		For Kynar® Standard Colors Finish, Add	909.14	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,112.02	145.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	182.02	
		For Clear Lacquer Finish, Add	364.04	
		For Baked Enamel Standard Colors, Add	546.06	
		For Anodized Finish, Add	728.08	
		For Kynar® Standard Colors Finish, Add	1,001.10	
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,236.74	156.34
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	192.41	
		For Clear Lacquer Finish, Add	384.81	
		For Baked Enamel Standard Colors, Add	577.22	
		For Anodized Finish, Add	769.62	
		For Kynar® Standard Colors Finish, Add	1,058.23	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,383.64	163.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	205.71	
		For Clear Lacquer Finish, Add	411.41	
		For Baked Enamel Standard Colors, Add	617.12	
		For Anodized Finish, Add	822.82	
		For Kynar® Standard Colors Finish, Add	1,131.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0059	EA		30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,529.26	170.24
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	218.88	
			For Clear Lacquer Finish, Add	437.76	
			For Baked Enamel Standard Colors, Add	656.64	
			For Anodized Finish, Add	875.52	
			For Kynar® Standard Colors Finish, Add	1,203.83	
08 91 19 00-0060	EA		30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,651.44	180.66
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	229.01	
			For Clear Lacquer Finish, Add	458.02	
			For Baked Enamel Standard Colors, Add	687.04	
			For Anodized Finish, Add	916.05	
			For Kynar® Standard Colors Finish, Add	1,259.57	
08 91 19 00-0061	EA		30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,844.56	191.08
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	246.24	
			For Clear Lacquer Finish, Add	492.48	
			For Baked Enamel Standard Colors, Add	738.72	
			For Anodized Finish, Add	984.96	
			For Kynar® Standard Colors Finish, Add	1,354.31	
08 91 19 00-0062	EA		36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	743.85	59.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	62.57	
			For Clear Lacquer Finish, Add	125.15	
			For Baked Enamel Standard Colors, Add	187.72	
			For Anodized Finish, Add	250.29	
			For Kynar® Standard Colors Finish, Add	344.15	
08 91 19 00-0063	EA		36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	976.19	76.44
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	82.33	
			For Clear Lacquer Finish, Add	164.67	
			For Baked Enamel Standard Colors, Add	247.00	
			For Anodized Finish, Add	329.33	
			For Kynar® Standard Colors Finish, Add	452.83	
08 91 19 00-0064	EA		36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,128.77	86.86
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	95.51	
			For Clear Lacquer Finish, Add	191.01	
			For Baked Enamel Standard Colors, Add	286.52	
			For Anodized Finish, Add	382.02	
			For Kynar® Standard Colors Finish, Add	525.28	
08 91 19 00-0065	EA		36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,310.49	97.27
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	111.59	
			For Clear Lacquer Finish, Add	223.19	
			For Baked Enamel Standard Colors, Add	334.78	
			For Anodized Finish, Add	446.37	
			For Kynar® Standard Colors Finish, Add	613.76	
08 91 19 00-0066	EA		36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,514.62	105.61
			Note: Includes bird screen.		
			For Flange Frame, Add	130.34	
			For Clear Lacquer Finish, Add	260.68	
			For Baked Enamel Standard Colors, Add	391.02	
			For Anodized Finish, Add	521.36	
			For Kynar® Standard Colors Finish, Add	716.86	
08 91 19 00-0067	EA		36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,673.29	114.65
			Note: Includes bird screen.		
			For Flange Frame, Add	144.40	
			For Clear Lacquer Finish, Add	288.80	
			For Baked Enamel Standard Colors, Add	433.20	
			For Anodized Finish, Add	577.60	
			For Kynar® Standard Colors Finish, Add	794.19	
08 91 19 00-0068	EA		36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,810.06	121.60
			Note: Includes bird screen.		
			For Flange Frame, Add	156.69	
			For Clear Lacquer Finish, Add	313.37	
			For Baked Enamel Standard Colors, Add	470.06	
			For Anodized Finish, Add	626.74	
			For Kynar® Standard Colors Finish, Add	861.77	
08 91 19 00-0069	EA		36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,993.04	132.02
			Note: Includes bird screen.		
			For Flange Frame, Add	172.90	
			For Clear Lacquer Finish, Add	345.80	
			For Baked Enamel Standard Colors, Add	518.70	
			For Anodized Finish, Add	691.60	
			For Kynar® Standard Colors Finish, Add	950.94	
08 91 19 00-0070	EA		36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,131.67	142.44
			Note: Includes bird screen.		
			For Flange Frame, Add	184.68	
			For Clear Lacquer Finish, Add	369.36	
			For Baked Enamel Standard Colors, Add	554.04	
			For Anodized Finish, Add	738.72	
			For Kynar® Standard Colors Finish, Add	1,015.73	
08 91 19 00-0071	EA		36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,351.39	152.86
			Note: Includes bird screen.		
			For Flange Frame, Add	204.57	
			For Clear Lacquer Finish, Add	409.13	
			For Baked Enamel Standard Colors, Add	613.70	
			For Anodized Finish, Add	818.26	
			For Kynar® Standard Colors Finish, Add	1,125.11	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,496.37	163.29
		Note: Includes bird screen.		
		For Flange Frame, Add	216.98	
		For Clear Lacquer Finish, Add	433.96	
		For Baked Enamel Standard Colors, Add	650.94	
		For Anodized Finish, Add	867.92	
		For Kynar® Standard Colors Finish, Add	1,193.38	
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,653.39	170.24
		Note: Includes bird screen.		
		For Flange Frame, Add	231.29	
		For Clear Lacquer Finish, Add	462.58	
		For Baked Enamel Standard Colors, Add	693.88	
		For Anodized Finish, Add	925.17	
		For Kynar® Standard Colors Finish, Add	1,272.11	
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,816.76	177.19
		Note: Includes bird screen.		
		For Flange Frame, Add	246.24	
		For Clear Lacquer Finish, Add	492.48	
		For Baked Enamel Standard Colors, Add	738.72	
		For Anodized Finish, Add	984.96	
		For Kynar® Standard Colors Finish, Add	1,354.31	
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,956.67	187.61
		Note: Includes bird screen.		
		For Flange Frame, Add	258.15	
		For Clear Lacquer Finish, Add	516.29	
		For Baked Enamel Standard Colors, Add	774.44	
		For Anodized Finish, Add	1,032.58	
		For Kynar® Standard Colors Finish, Add	1,419.80	
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,175.11	198.03
		Note: Includes bird screen.		
		For Flange Frame, Add	277.91	
		For Clear Lacquer Finish, Add	555.81	
		For Baked Enamel Standard Colors, Add	833.72	
		For Anodized Finish, Add	1,111.62	
		For Kynar® Standard Colors Finish, Add	1,528.48	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	865.42	66.01
		Note: Includes bird screen.		
		For Flange Frame, Add	73.34	
		For Clear Lacquer Finish, Add	146.68	
		For Baked Enamel Standard Colors, Add	220.02	
		For Anodized Finish, Add	293.36	
		For Kynar® Standard Colors Finish, Add	403.37	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,061.02	83.39
		Note: Includes bird screen.		
		For Flange Frame, Add	89.43	
		For Clear Lacquer Finish, Add	178.85	
		For Baked Enamel Standard Colors, Add	268.28	
		For Anodized Finish, Add	357.70	
		For Kynar® Standard Colors Finish, Add	491.84	
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,230.07	93.80
		Note: Includes bird screen.		
		For Flange Frame, Add	104.25	
		For Clear Lacquer Finish, Add	208.49	
		For Baked Enamel Standard Colors, Add	312.74	
		For Anodized Finish, Add	416.98	
		For Kynar® Standard Colors Finish, Add	573.35	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,438.99	107.70
		Note: Includes bird screen.		
		For Flange Frame, Add	122.36	
		For Clear Lacquer Finish, Add	244.72	
		For Baked Enamel Standard Colors, Add	367.08	
		For Anodized Finish, Add	489.44	
		For Kynar® Standard Colors Finish, Add	672.97	
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,660.63	114.65
		Note: Includes bird screen.		
		For Flange Frame, Add	143.13	
		For Clear Lacquer Finish, Add	286.27	
		For Baked Enamel Standard Colors, Add	429.40	
		For Anodized Finish, Add	572.53	
		For Kynar® Standard Colors Finish, Add	787.23	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,837.92	121.60
		Note: Includes bird screen.		
		For Flange Frame, Add	159.47	
		For Clear Lacquer Finish, Add	318.94	
		For Baked Enamel Standard Colors, Add	478.42	
		For Anodized Finish, Add	637.89	
		For Kynar® Standard Colors Finish, Add	877.10	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,991.16	128.54
		Note: Includes bird screen.		
		For Flange Frame, Add	173.41	
		For Clear Lacquer Finish, Add	346.81	
		For Baked Enamel Standard Colors, Add	520.22	
		For Anodized Finish, Add	693.62	
		For Kynar® Standard Colors Finish, Add	953.73	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,174.12	138.97
		Note: Includes bird screen.		
		For Flange Frame, Add	189.62	
		For Clear Lacquer Finish, Add	379.24	
		For Baked Enamel Standard Colors, Add	568.86	
		For Anodized Finish, Add	758.48	
		For Kynar® Standard Colors Finish, Add	1,042.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0085	EA		42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,330.50	149.39
			Note: Includes bird screen.		
			For Flange Frame, Add	203.17	
			For Clear Lacquer Finish, Add	406.34	
			For Baked Enamel Standard Colors, Add	609.52	
			For Anodized Finish, Add	812.69	
			For Kynar® Standard Colors Finish, Add	1,117.45	
08 91 19 00-0086	EA		42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,574.28	159.81
			Note: Includes bird screen.		
			For Flange Frame, Add	225.47	
			For Clear Lacquer Finish, Add	450.93	
			For Baked Enamel Standard Colors, Add	676.40	
			For Anodized Finish, Add	901.86	
			For Kynar® Standard Colors Finish, Add	1,240.06	
08 91 19 00-0087	EA		42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,730.66	170.24
			Note: Includes bird screen.		
			For Flange Frame, Add	239.02	
			For Clear Lacquer Finish, Add	478.04	
			For Baked Enamel Standard Colors, Add	717.06	
			For Anodized Finish, Add	956.08	
			For Kynar® Standard Colors Finish, Add	1,314.60	
08 91 19 00-0088	EA		42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,907.96	177.19
			Note: Includes bird screen.		
			For Flange Frame, Add	255.36	
			For Clear Lacquer Finish, Add	510.72	
			For Baked Enamel Standard Colors, Add	766.08	
			For Anodized Finish, Add	1,021.44	
			For Kynar® Standard Colors Finish, Add	1,404.47	
08 91 19 00-0089	EA		42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,086.52	184.13
			Note: Includes bird screen.		
			For Flange Frame, Add	271.83	
			For Clear Lacquer Finish, Add	543.65	
			For Baked Enamel Standard Colors, Add	815.48	
			For Anodized Finish, Add	1,087.30	
			For Kynar® Standard Colors Finish, Add	1,495.04	
08 91 19 00-0090	EA		42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,251.77	194.56
			Note: Includes bird screen.		
			For Flange Frame, Add	286.27	
			For Clear Lacquer Finish, Add	572.53	
			For Baked Enamel Standard Colors, Add	858.80	
			For Anodized Finish, Add	1,145.06	
			For Kynar® Standard Colors Finish, Add	1,574.46	
08 91 19 00-0091	EA		42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,486.68	204.98
			Note: Includes bird screen.		
			For Flange Frame, Add	307.67	
			For Clear Lacquer Finish, Add	615.34	
			For Baked Enamel Standard Colors, Add	923.02	
			For Anodized Finish, Add	1,230.69	
			For Kynar® Standard Colors Finish, Add	1,692.20	
08 91 19 00-0092	EA		48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	946.45	72.96
			Note: Includes bird screen.		
			For Flange Frame, Add	80.05	
			For Clear Lacquer Finish, Add	160.11	
			For Baked Enamel Standard Colors, Add	240.16	
			For Anodized Finish, Add	320.21	
			For Kynar® Standard Colors Finish, Add	440.29	
08 91 19 00-0093	EA		48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,159.79	90.33
			Note: Includes bird screen.		
			For Flange Frame, Add	97.91	
			For Clear Lacquer Finish, Add	195.83	
			For Baked Enamel Standard Colors, Add	293.74	
			For Anodized Finish, Add	391.65	
			For Kynar® Standard Colors Finish, Add	538.52	
08 91 19 00-0094	EA		48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,358.59	104.22
			Note: Includes bird screen.		
			For Flange Frame, Add	115.01	
			For Clear Lacquer Finish, Add	230.03	
			For Baked Enamel Standard Colors, Add	345.04	
			For Anodized Finish, Add	460.05	
			For Kynar® Standard Colors Finish, Add	632.57	
08 91 19 00-0095	EA		48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,564.36	114.65
			Note: Includes bird screen.		
			For Flange Frame, Add	133.51	
			For Clear Lacquer Finish, Add	267.01	
			For Baked Enamel Standard Colors, Add	400.52	
			For Anodized Finish, Add	534.02	
			For Kynar® Standard Colors Finish, Add	734.28	
08 91 19 00-0096	EA		48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,817.66	121.60
			Note: Includes bird screen.		
			For Flange Frame, Add	157.45	
			For Clear Lacquer Finish, Add	314.89	
			For Baked Enamel Standard Colors, Add	472.34	
			For Anodized Finish, Add	629.78	
			For Kynar® Standard Colors Finish, Add	865.95	
08 91 19 00-0097	EA		48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,022.82	128.54
			Note: Includes bird screen.		
			For Flange Frame, Add	176.57	
			For Clear Lacquer Finish, Add	353.14	
			For Baked Enamel Standard Colors, Add	529.72	
			For Anodized Finish, Add	706.29	
			For Kynar® Standard Colors Finish, Add	971.15	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,191.85		138.97
		Note: Includes bird screen.			
		For Flange Frame, Add	191.39		
		For Clear Lacquer Finish, Add	382.78		
		For Baked Enamel Standard Colors, Add	574.18		
		For Anodized Finish, Add	765.57		
		For Kynar® Standard Colors Finish, Add	1,052.66		
08 91 19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,458.44		149.39
		Note: Includes bird screen.			
		For Flange Frame, Add	215.97		
		For Clear Lacquer Finish, Add	431.93		
		For Baked Enamel Standard Colors, Add	647.90		
		For Anodized Finish, Add	863.86		
		For Kynar® Standard Colors Finish, Add	1,187.81		
08 91 19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,574.28		159.81
		Note: Includes bird screen.			
		For Flange Frame, Add	225.47		
		For Clear Lacquer Finish, Add	450.93		
		For Baked Enamel Standard Colors, Add	676.40		
		For Anodized Finish, Add	901.86		
		For Kynar® Standard Colors Finish, Add	1,240.06		
08 91 19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,834.52		170.24
		Note: Includes bird screen.			
		For Flange Frame, Add	249.41		
		For Clear Lacquer Finish, Add	498.81		
		For Baked Enamel Standard Colors, Add	748.22		
		For Anodized Finish, Add	997.62		
		For Kynar® Standard Colors Finish, Add	1,371.73		
08 91 19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,014.97		180.66
		Note: Includes bird screen.			
		For Flange Frame, Add	265.37		
		For Clear Lacquer Finish, Add	530.73		
		For Baked Enamel Standard Colors, Add	796.10		
		For Anodized Finish, Add	1,061.46		
		For Kynar® Standard Colors Finish, Add	1,459.51		
08 91 19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,212.54		187.61
		Note: Includes bird screen.			
		For Flange Frame, Add	283.73		
		For Clear Lacquer Finish, Add	567.46		
		For Baked Enamel Standard Colors, Add	851.20		
		For Anodized Finish, Add	1,134.93		
		For Kynar® Standard Colors Finish, Add	1,560.53		
08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,410.10		194.56
		Note: Includes bird screen.			
		For Flange Frame, Add	302.10		
		For Clear Lacquer Finish, Add	604.20		
		For Baked Enamel Standard Colors, Add	906.29		
		For Anodized Finish, Add	1,208.39		
		For Kynar® Standard Colors Finish, Add	1,661.54		
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,574.73		201.51
		Note: Includes bird screen.			
		For Flange Frame, Add	317.17		
		For Clear Lacquer Finish, Add	634.34		
		For Baked Enamel Standard Colors, Add	951.52		
		For Anodized Finish, Add	1,268.69		
		For Kynar® Standard Colors Finish, Add	1,744.45		
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,845.11		211.93
		Note: Includes bird screen.			
		For Flange Frame, Add	342.13		
		For Clear Lacquer Finish, Add	684.25		
		For Baked Enamel Standard Colors, Add	1,026.38		
		For Anodized Finish, Add	1,368.50		
		For Kynar® Standard Colors Finish, Add	1,881.69		
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,048.36		83.39
		Note: Includes bird screen.			
		For Flange Frame, Add	88.16		
		For Clear Lacquer Finish, Add	176.32		
		For Baked Enamel Standard Colors, Add	264.48		
		For Anodized Finish, Add	352.64		
		For Kynar® Standard Colors Finish, Add	484.88		
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,287.04		100.75
		Note: Includes bird screen.			
		For Flange Frame, Add	108.55		
		For Clear Lacquer Finish, Add	217.11		
		For Baked Enamel Standard Colors, Add	325.66		
		For Anodized Finish, Add	434.21		
		For Kynar® Standard Colors Finish, Add	597.04		
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,506.71		118.12
		Note: Includes bird screen.			
		For Flange Frame, Add	127.05		
		For Clear Lacquer Finish, Add	254.09		
		For Baked Enamel Standard Colors, Add	381.14		
		For Anodized Finish, Add	508.18		
		For Kynar® Standard Colors Finish, Add	698.75		
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,727.08		125.07
		Note: Includes bird screen.			
		For Flange Frame, Add	147.69		
		For Clear Lacquer Finish, Add	295.39		
		For Baked Enamel Standard Colors, Add	443.08		
		For Anodized Finish, Add	590.77		
		For Kynar® Standard Colors Finish, Add	812.31		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0111	EA		54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,029.77	132.02
			Note: Includes bird screen.		
			For Flange Frame, Add	176.57	
			For Clear Lacquer Finish, Add	353.14	
			For Baked Enamel Standard Colors, Add	529.72	
			For Anodized Finish, Add	706.29	
			For Kynar® Standard Colors Finish, Add	971.15	
08 91 19 00-0112	EA		54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,239.99	138.97
			Note: Includes bird screen.		
			For Flange Frame, Add	196.21	
			For Clear Lacquer Finish, Add	392.41	
			For Baked Enamel Standard Colors, Add	588.62	
			For Anodized Finish, Add	784.82	
			For Kynar® Standard Colors Finish, Add	1,079.13	
08 91 19 00-0113	EA		54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,438.17	149.39
			Note: Includes bird screen.		
			For Flange Frame, Add	213.94	
			For Clear Lacquer Finish, Add	427.88	
			For Baked Enamel Standard Colors, Add	641.82	
			For Anodized Finish, Add	855.76	
			For Kynar® Standard Colors Finish, Add	1,176.66	
08 91 19 00-0114	EA		54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,728.82	159.81
			Note: Includes bird screen.		
			For Flange Frame, Add	240.92	
			For Clear Lacquer Finish, Add	481.84	
			For Baked Enamel Standard Colors, Add	722.76	
			For Anodized Finish, Add	963.68	
			For Kynar® Standard Colors Finish, Add	1,325.05	
08 91 19 00-0115	EA		54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,933.32	170.24
			Note: Includes bird screen.		
			For Flange Frame, Add	259.29	
			For Clear Lacquer Finish, Add	518.57	
			For Baked Enamel Standard Colors, Add	777.86	
			For Anodized Finish, Add	1,037.14	
			For Kynar® Standard Colors Finish, Add	1,426.07	
08 91 19 00-0116	EA		54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,237.90	180.66
			Note: Includes bird screen.		
			For Flange Frame, Add	287.66	
			For Clear Lacquer Finish, Add	575.32	
			For Baked Enamel Standard Colors, Add	862.97	
			For Anodized Finish, Add	1,150.63	
			For Kynar® Standard Colors Finish, Add	1,582.12	
08 91 19 00-0117	EA		54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,434.20	187.61
			Note: Includes bird screen.		
			For Flange Frame, Add	305.90	
			For Clear Lacquer Finish, Add	611.80	
			For Baked Enamel Standard Colors, Add	917.69	
			For Anodized Finish, Add	1,223.59	
			For Kynar® Standard Colors Finish, Add	1,682.44	
08 91 19 00-0118	EA		54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,658.37	194.56
			Note: Includes bird screen.		
			For Flange Frame, Add	326.93	
			For Clear Lacquer Finish, Add	653.85	
			For Baked Enamel Standard Colors, Add	980.78	
			For Anodized Finish, Add	1,307.70	
			For Kynar® Standard Colors Finish, Add	1,798.09	
08 91 19 00-0119	EA		54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,873.66	201.51
			Note: Includes bird screen.		
			For Flange Frame, Add	347.07	
			For Clear Lacquer Finish, Add	694.13	
			For Baked Enamel Standard Colors, Add	1,041.20	
			For Anodized Finish, Add	1,388.26	
			For Kynar® Standard Colors Finish, Add	1,908.86	
08 91 19 00-0120	EA		54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,052.22	208.46
			Note: Includes bird screen.		
			For Flange Frame, Add	363.53	
			For Clear Lacquer Finish, Add	727.06	
			For Baked Enamel Standard Colors, Add	1,090.59	
			For Anodized Finish, Add	1,454.12	
			For Kynar® Standard Colors Finish, Add	1,999.42	
08 91 19 00-0121	EA		54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,366.94	218.88
			Note: Includes bird screen.		
			For Flange Frame, Add	392.92	
			For Clear Lacquer Finish, Add	785.84	
			For Baked Enamel Standard Colors, Add	1,178.75	
			For Anodized Finish, Add	1,571.67	
			For Kynar® Standard Colors Finish, Add	2,161.05	
08 91 19 00-0122	EA		60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,126.86	90.33
			Note: Includes bird screen.		
			For Flange Frame, Add	94.62	
			For Clear Lacquer Finish, Add	189.24	
			For Baked Enamel Standard Colors, Add	283.86	
			For Anodized Finish, Add	378.48	
			For Kynar® Standard Colors Finish, Add	520.41	
08 91 19 00-0123	EA		60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,390.21	111.17
			Note: Includes bird screen.		
			For Flange Frame, Add	116.79	
			For Clear Lacquer Finish, Add	233.57	
			For Baked Enamel Standard Colors, Add	350.36	
			For Anodized Finish, Add	467.14	
			For Kynar® Standard Colors Finish, Add	642.32	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,615.61	125.07
		Note: Includes bird screen.		
		For Flange Frame, Add	136.55	
		For Clear Lacquer Finish, Add	273.09	
		For Baked Enamel Standard Colors, Add	409.64	
		For Anodized Finish, Add	546.18	
		For Kynar® Standard Colors Finish, Add	751.00	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,870.17	132.02
		Note: Includes bird screen.		
		For Flange Frame, Add	160.61	
		For Clear Lacquer Finish, Add	321.22	
		For Baked Enamel Standard Colors, Add	481.84	
		For Anodized Finish, Add	642.45	
		For Kynar® Standard Colors Finish, Add	883.37	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,186.14	142.44
		Note: Includes bird screen.		
		For Flange Frame, Add	190.13	
		For Clear Lacquer Finish, Add	380.25	
		For Baked Enamel Standard Colors, Add	570.38	
		For Anodized Finish, Add	760.50	
		For Kynar® Standard Colors Finish, Add	1,045.69	
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,421.70	149.39
		Note: Includes bird screen.		
		For Flange Frame, Add	212.29	
		For Clear Lacquer Finish, Add	424.58	
		For Baked Enamel Standard Colors, Add	636.88	
		For Anodized Finish, Add	849.17	
		For Kynar® Standard Colors Finish, Add	1,167.61	
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,628.75	159.81
		Note: Includes bird screen.		
		For Flange Frame, Add	230.91	
		For Clear Lacquer Finish, Add	461.82	
		For Baked Enamel Standard Colors, Add	692.74	
		For Anodized Finish, Add	923.65	
		For Kynar® Standard Colors Finish, Add	1,270.02	
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,939.66	170.24
		Note: Includes bird screen.		
		For Flange Frame, Add	259.92	
		For Clear Lacquer Finish, Add	519.84	
		For Baked Enamel Standard Colors, Add	779.76	
		For Anodized Finish, Add	1,039.68	
		For Kynar® Standard Colors Finish, Add	1,429.55	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,159.37	180.66
		Note: Includes bird screen.		
		For Flange Frame, Add	279.81	
		For Clear Lacquer Finish, Add	559.61	
		For Baked Enamel Standard Colors, Add	839.42	
		For Anodized Finish, Add	1,119.22	
		For Kynar® Standard Colors Finish, Add	1,538.93	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,489.29	191.08
		Note: Includes bird screen.		
		For Flange Frame, Add	310.71	
		For Clear Lacquer Finish, Add	621.42	
		For Baked Enamel Standard Colors, Add	932.14	
		For Anodized Finish, Add	1,242.85	
		For Kynar® Standard Colors Finish, Add	1,708.92	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,698.24	198.03
		Note: Includes bird screen.		
		For Flange Frame, Add	330.22	
		For Clear Lacquer Finish, Add	660.44	
		For Baked Enamel Standard Colors, Add	990.65	
		For Anodized Finish, Add	1,320.87	
		For Kynar® Standard Colors Finish, Add	1,816.20	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,936.34	204.98
		Note: Includes bird screen.		
		For Flange Frame, Add	352.64	
		For Clear Lacquer Finish, Add	705.28	
		For Baked Enamel Standard Colors, Add	1,057.91	
		For Anodized Finish, Add	1,410.55	
		For Kynar® Standard Colors Finish, Add	1,939.51	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,169.37	211.93
		Note: Includes bird screen.		
		For Flange Frame, Add	374.55	
		For Clear Lacquer Finish, Add	749.10	
		For Baked Enamel Standard Colors, Add	1,123.65	
		For Anodized Finish, Add	1,498.20	
		For Kynar® Standard Colors Finish, Add	2,060.03	
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,366.94	218.88
		Note: Includes bird screen.		
		For Flange Frame, Add	392.92	
		For Clear Lacquer Finish, Add	785.84	
		For Baked Enamel Standard Colors, Add	1,178.75	
		For Anodized Finish, Add	1,571.67	
		For Kynar® Standard Colors Finish, Add	2,161.05	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,696.23	225.83
		Note: Includes bird screen.		
		For Flange Frame, Add	424.46	
		For Clear Lacquer Finish, Add	848.92	
		For Baked Enamel Standard Colors, Add	1,273.37	
		For Anodized Finish, Add	1,697.83	
		For Kynar® Standard Colors Finish, Add	2,334.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0137	EA		66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,299.09	97.27
			Note: Includes bird screen.		
			For Flange Frame, Add	110.45	
			For Clear Lacquer Finish, Add	220.91	
			For Baked Enamel Standard Colors, Add	331.36	
			For Anodized Finish, Add	441.81	
			For Kynar® Standard Colors Finish, Add	607.49	
08 91 19 00-0138	EA		66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,606.78	118.12
			Note: Includes bird screen.		
			For Flange Frame, Add	137.05	
			For Clear Lacquer Finish, Add	274.11	
			For Baked Enamel Standard Colors, Add	411.16	
			For Anodized Finish, Add	548.21	
			For Kynar® Standard Colors Finish, Add	753.79	
08 91 19 00-0139	EA		66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,872.65	138.97
			Note: Includes bird screen.		
			For Flange Frame, Add	159.47	
			For Clear Lacquer Finish, Add	318.94	
			For Baked Enamel Standard Colors, Add	478.42	
			For Anodized Finish, Add	637.89	
			For Kynar® Standard Colors Finish, Add	877.10	
08 91 19 00-0140	EA		66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,150.02	145.92
			Note: Includes bird screen.		
			For Flange Frame, Add	185.82	
			For Clear Lacquer Finish, Add	371.64	
			For Baked Enamel Standard Colors, Add	557.46	
			For Anodized Finish, Add	743.28	
			For Kynar® Standard Colors Finish, Add	1,022.00	
08 91 19 00-0141	EA		66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,518.59	152.86
			Note: Includes bird screen.		
			For Flange Frame, Add	221.29	
			For Clear Lacquer Finish, Add	442.57	
			For Baked Enamel Standard Colors, Add	663.86	
			For Anodized Finish, Add	885.14	
			For Kynar® Standard Colors Finish, Add	1,217.07	
08 91 19 00-0142	EA		66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,775.68	159.81
			Note: Includes bird screen.		
			For Flange Frame, Add	245.61	
			For Clear Lacquer Finish, Add	491.21	
			For Baked Enamel Standard Colors, Add	736.82	
			For Anodized Finish, Add	982.42	
			For Kynar® Standard Colors Finish, Add	1,350.83	
08 91 19 00-0143	EA		66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,023.26	170.24
			Note: Includes bird screen.		
			For Flange Frame, Add	268.28	
			For Clear Lacquer Finish, Add	536.56	
			For Baked Enamel Standard Colors, Add	804.84	
			For Anodized Finish, Add	1,073.12	
			For Kynar® Standard Colors Finish, Add	1,475.53	
08 91 19 00-0144	EA		66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,313.90	180.66
			Note: Includes bird screen.		
			For Flange Frame, Add	295.26	
			For Clear Lacquer Finish, Add	590.52	
			For Baked Enamel Standard Colors, Add	885.77	
			For Anodized Finish, Add	1,181.03	
			For Kynar® Standard Colors Finish, Add	1,623.92	
08 91 19 00-0145	EA		66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,560.22	191.08
			Note: Includes bird screen.		
			For Flange Frame, Add	317.81	
			For Clear Lacquer Finish, Add	635.61	
			For Baked Enamel Standard Colors, Add	953.42	
			For Anodized Finish, Add	1,271.22	
			For Kynar® Standard Colors Finish, Add	1,747.93	
08 91 19 00-0146	EA		66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,938.87	204.98
			Note: Includes bird screen.		
			For Flange Frame, Add	352.89	
			For Clear Lacquer Finish, Add	705.78	
			For Baked Enamel Standard Colors, Add	1,058.67	
			For Anodized Finish, Add	1,411.56	
			For Kynar® Standard Colors Finish, Add	1,940.90	
08 91 19 00-0147	EA		66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,176.32	215.40
			Note: Includes bird screen.		
			For Flange Frame, Add	374.55	
			For Clear Lacquer Finish, Add	749.10	
			For Baked Enamel Standard Colors, Add	1,123.65	
			For Anodized Finish, Add	1,498.20	
			For Kynar® Standard Colors Finish, Add	2,060.03	
08 91 19 00-0148	EA		66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,428.35	222.35
			Note: Includes bird screen.		
			For Flange Frame, Add	398.37	
			For Clear Lacquer Finish, Add	796.73	
			For Baked Enamel Standard Colors, Add	1,195.10	
			For Anodized Finish, Add	1,593.46	
			For Kynar® Standard Colors Finish, Add	2,191.01	
08 91 19 00-0149	EA		66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,685.43	229.30
			Note: Includes bird screen.		
			For Flange Frame, Add	422.68	
			For Clear Lacquer Finish, Add	845.37	
			For Baked Enamel Standard Colors, Add	1,268.05	
			For Anodized Finish, Add	1,690.74	
			For Kynar® Standard Colors Finish, Add	2,324.76	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,908.33	236.25
		Note: Includes bird screen.		
		For Flange Frame, Add	443.58	
		For Clear Lacquer Finish, Add	887.17	
		For Baked Enamel Standard Colors, Add	1,330.75	
		For Anodized Finish, Add	1,774.34	
		For Kynar® Standard Colors Finish, Add	2,439.71	
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,275.63	243.20
		Note: Includes bird screen.		
		For Flange Frame, Add	478.92	
		For Clear Lacquer Finish, Add	957.85	
		For Baked Enamel Standard Colors, Add	1,436.77	
		For Anodized Finish, Add	1,915.70	
		For Kynar® Standard Colors Finish, Add	2,634.08	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,371.25	104.22
		Note: Includes bird screen.		
		For Flange Frame, Add	116.28	
		For Clear Lacquer Finish, Add	232.56	
		For Baked Enamel Standard Colors, Add	348.84	
		For Anodized Finish, Add	465.12	
		For Kynar® Standard Colors Finish, Add	639.53	
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,694.14	125.07
		Note: Includes bird screen.		
		For Flange Frame, Add	144.40	
		For Clear Lacquer Finish, Add	288.80	
		For Baked Enamel Standard Colors, Add	433.20	
		For Anodized Finish, Add	577.60	
		For Kynar® Standard Colors Finish, Add	794.19	
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,973.95	145.92
		Note: Includes bird screen.		
		For Flange Frame, Add	168.21	
		For Clear Lacquer Finish, Add	336.42	
		For Baked Enamel Standard Colors, Add	504.64	
		For Anodized Finish, Add	672.85	
		For Kynar® Standard Colors Finish, Add	925.17	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,274.74	156.34
		Note: Includes bird screen.		
		For Flange Frame, Add	196.21	
		For Clear Lacquer Finish, Add	392.41	
		For Baked Enamel Standard Colors, Add	588.62	
		For Anodized Finish, Add	784.82	
		For Kynar® Standard Colors Finish, Add	1,079.13	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,669.90	163.29
		Note: Includes bird screen.		
		For Flange Frame, Add	234.33	
		For Clear Lacquer Finish, Add	468.66	
		For Baked Enamel Standard Colors, Add	703.00	
		For Anodized Finish, Add	937.33	
		For Kynar® Standard Colors Finish, Add	1,288.83	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,940.92	170.24
		Note: Includes bird screen.		
		For Flange Frame, Add	260.05	
		For Clear Lacquer Finish, Add	520.09	
		For Baked Enamel Standard Colors, Add	780.14	
		For Anodized Finish, Add	1,040.18	
		For Kynar® Standard Colors Finish, Add	1,430.25	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,204.97	180.66
		Note: Includes bird screen.		
		For Flange Frame, Add	284.37	
		For Clear Lacquer Finish, Add	568.73	
		For Baked Enamel Standard Colors, Add	853.10	
		For Anodized Finish, Add	1,137.46	
		For Kynar® Standard Colors Finish, Add	1,564.01	
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,505.14	187.61
		Note: Includes bird screen.		
		For Flange Frame, Add	312.99	
		For Clear Lacquer Finish, Add	625.98	
		For Baked Enamel Standard Colors, Add	938.98	
		For Anodized Finish, Add	1,251.97	
		For Kynar® Standard Colors Finish, Add	1,721.46	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,762.84	198.03
		Note: Includes bird screen.		
		For Flange Frame, Add	336.68	
		For Clear Lacquer Finish, Add	673.36	
		For Baked Enamel Standard Colors, Add	1,010.03	
		For Anodized Finish, Add	1,346.71	
		For Kynar® Standard Colors Finish, Add	1,851.73	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,176.32	215.40
		Note: Includes bird screen.		
		For Flange Frame, Add	374.55	
		For Clear Lacquer Finish, Add	749.10	
		For Baked Enamel Standard Colors, Add	1,123.65	
		For Anodized Finish, Add	1,498.20	
		For Kynar® Standard Colors Finish, Add	2,060.03	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,437.83	225.83
		Note: Includes bird screen.		
		For Flange Frame, Add	398.62	
		For Clear Lacquer Finish, Add	797.24	
		For Baked Enamel Standard Colors, Add	1,195.85	
		For Anodized Finish, Add	1,594.47	
		For Kynar® Standard Colors Finish, Add	2,192.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0163	EA		72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,697.45	232.78
			Note: Includes bird screen.		
			For Flange Frame, Add	423.19	
			For Clear Lacquer Finish, Add	846.38	
			For Baked Enamel Standard Colors, Add	1,269.57	
			For Anodized Finish, Add	1,692.76	
			For Kynar® Standard Colors Finish, Add	2,327.55	
08 91 19 00-0164	EA		72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,960.88	239.73
			Note: Includes bird screen.		
			For Flange Frame, Add	448.14	
			For Clear Lacquer Finish, Add	896.29	
			For Baked Enamel Standard Colors, Add	1,344.43	
			For Anodized Finish, Add	1,792.58	
			For Kynar® Standard Colors Finish, Add	2,464.79	
08 91 19 00-0165	EA		72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,207.85	246.67
			Note: Includes bird screen.		
			For Flange Frame, Add	471.45	
			For Clear Lacquer Finish, Add	942.90	
			For Baked Enamel Standard Colors, Add	1,414.35	
			For Anodized Finish, Add	1,885.80	
			For Kynar® Standard Colors Finish, Add	2,592.98	
08 91 19 00-0166	EA		72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,599.21	253.62
			Note: Includes bird screen.		
			For Flange Frame, Add	509.20	
			For Clear Lacquer Finish, Add	1,018.39	
			For Baked Enamel Standard Colors, Add	1,527.59	
			For Anodized Finish, Add	2,036.79	
			For Kynar® Standard Colors Finish, Add	2,800.58	
08 91 19 00-0167	EA		78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,458.61	111.17
			Note: Includes bird screen.		
			For Flange Frame, Add	123.63	
			For Clear Lacquer Finish, Add	247.25	
			For Baked Enamel Standard Colors, Add	370.88	
			For Anodized Finish, Add	494.50	
			For Kynar® Standard Colors Finish, Add	679.94	
08 91 19 00-0168	EA		78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,790.38	132.02
			Note: Includes bird screen.		
			For Flange Frame, Add	152.63	
			For Clear Lacquer Finish, Add	305.27	
			For Baked Enamel Standard Colors, Add	457.90	
			For Anodized Finish, Add	610.53	
			For Kynar® Standard Colors Finish, Add	839.48	
08 91 19 00-0169	EA		78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,076.52	152.86
			Note: Includes bird screen.		
			For Flange Frame, Add	177.08	
			For Clear Lacquer Finish, Add	354.16	
			For Baked Enamel Standard Colors, Add	531.24	
			For Anodized Finish, Add	708.32	
			For Kynar® Standard Colors Finish, Add	973.93	
08 91 19 00-0170	EA		78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,397.57	163.29
			Note: Includes bird screen.		
			For Flange Frame, Add	207.10	
			For Clear Lacquer Finish, Add	414.20	
			For Baked Enamel Standard Colors, Add	621.30	
			For Anodized Finish, Add	828.40	
			For Kynar® Standard Colors Finish, Add	1,139.04	
08 91 19 00-0171	EA		78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,815.52	170.24
			Note: Includes bird screen.		
			For Flange Frame, Add	247.51	
			For Clear Lacquer Finish, Add	495.01	
			For Baked Enamel Standard Colors, Add	742.52	
			For Anodized Finish, Add	990.02	
			For Kynar® Standard Colors Finish, Add	1,361.28	
08 91 19 00-0172	EA		78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,097.96	177.19
			Note: Includes bird screen.		
			For Flange Frame, Add	274.36	
			For Clear Lacquer Finish, Add	548.72	
			For Baked Enamel Standard Colors, Add	823.08	
			For Anodized Finish, Add	1,097.44	
			For Kynar® Standard Colors Finish, Add	1,508.97	
08 91 19 00-0173	EA		78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,381.00	187.61
			Note: Includes bird screen.		
			For Flange Frame, Add	300.58	
			For Clear Lacquer Finish, Add	601.16	
			For Baked Enamel Standard Colors, Add	901.73	
			For Anodized Finish, Add	1,202.31	
			For Kynar® Standard Colors Finish, Add	1,653.18	
08 91 19 00-0174	EA		78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,698.90	194.56
			Note: Includes bird screen.		
			For Flange Frame, Add	330.98	
			For Clear Lacquer Finish, Add	661.96	
			For Baked Enamel Standard Colors, Add	992.93	
			For Anodized Finish, Add	1,323.91	
			For Kynar® Standard Colors Finish, Add	1,820.38	
08 91 19 00-0175	EA		78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,975.61	204.98
			Note: Includes bird screen.		
			For Flange Frame, Add	356.57	
			For Clear Lacquer Finish, Add	713.13	
			For Baked Enamel Standard Colors, Add	1,069.70	
			For Anodized Finish, Add	1,426.26	
			For Kynar® Standard Colors Finish, Add	1,961.11	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,415.68	222.35
		Note: Includes bird screen.		
		For Flange Frame, Add	397.10	
		For Clear Lacquer Finish, Add	794.20	
		For Baked Enamel Standard Colors, Add	1,191.29	
		For Anodized Finish, Add	1,588.39	
		For Kynar® Standard Colors Finish, Add	2,184.04	
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,689.85	232.78
		Note: Includes bird screen.		
		For Flange Frame, Add	422.43	
		For Clear Lacquer Finish, Add	844.86	
		For Baked Enamel Standard Colors, Add	1,267.29	
		For Anodized Finish, Add	1,689.72	
		For Kynar® Standard Colors Finish, Add	2,323.37	
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,976.70	243.20
		Note: Includes bird screen.		
		For Flange Frame, Add	449.03	
		For Clear Lacquer Finish, Add	898.06	
		For Baked Enamel Standard Colors, Add	1,347.09	
		For Anodized Finish, Add	1,796.12	
		For Kynar® Standard Colors Finish, Add	2,469.67	
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,240.13	250.15
		Note: Includes bird screen.		
		For Flange Frame, Add	473.98	
		For Clear Lacquer Finish, Add	947.97	
		For Baked Enamel Standard Colors, Add	1,421.95	
		For Anodized Finish, Add	1,895.94	
		For Kynar® Standard Colors Finish, Add	2,606.91	
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,503.56	257.10
		Note: Includes bird screen.		
		For Flange Frame, Add	498.94	
		For Clear Lacquer Finish, Add	997.87	
		For Baked Enamel Standard Colors, Add	1,496.81	
		For Anodized Finish, Add	1,995.75	
		For Kynar® Standard Colors Finish, Add	2,744.15	
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,920.25	264.05
		Note: Includes bird screen.		
		For Flange Frame, Add	539.22	
		For Clear Lacquer Finish, Add	1,078.43	
		For Baked Enamel Standard Colors, Add	1,617.65	
		For Anodized Finish, Add	2,156.87	
		For Kynar® Standard Colors Finish, Add	2,965.69	
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,529.51	118.12
		Note: Includes bird screen.		
		For Flange Frame, Add	129.33	
		For Clear Lacquer Finish, Add	258.65	
		For Baked Enamel Standard Colors, Add	387.98	
		For Anodized Finish, Add	517.30	
		For Kynar® Standard Colors Finish, Add	711.29	
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,875.19	138.97
		Note: Includes bird screen.		
		For Flange Frame, Add	159.73	
		For Clear Lacquer Finish, Add	319.45	
		For Baked Enamel Standard Colors, Add	479.18	
		For Anodized Finish, Add	638.90	
		For Kynar® Standard Colors Finish, Add	878.49	
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,191.75	159.81
		Note: Includes bird screen.		
		For Flange Frame, Add	187.21	
		For Clear Lacquer Finish, Add	374.42	
		For Baked Enamel Standard Colors, Add	561.64	
		For Anodized Finish, Add	748.85	
		For Kynar® Standard Colors Finish, Add	1,029.67	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,522.93	170.24
		Note: Includes bird screen.		
		For Flange Frame, Add	218.25	
		For Clear Lacquer Finish, Add	436.49	
		For Baked Enamel Standard Colors, Add	654.74	
		For Anodized Finish, Add	872.98	
		For Kynar® Standard Colors Finish, Add	1,200.35	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,967.49	177.19
		Note: Includes bird screen.		
		For Flange Frame, Add	261.31	
		For Clear Lacquer Finish, Add	522.62	
		For Baked Enamel Standard Colors, Add	783.94	
		For Anodized Finish, Add	1,045.25	
		For Kynar® Standard Colors Finish, Add	1,437.22	
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,266.39	184.13
		Note: Includes bird screen.		
		For Flange Frame, Add	289.81	
		For Clear Lacquer Finish, Add	579.62	
		For Baked Enamel Standard Colors, Add	869.44	
		For Anodized Finish, Add	1,159.25	
		For Kynar® Standard Colors Finish, Add	1,593.97	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,555.77	194.56
		Note: Includes bird screen.		
		For Flange Frame, Add	316.67	
		For Clear Lacquer Finish, Add	633.33	
		For Baked Enamel Standard Colors, Add	950.00	
		For Anodized Finish, Add	1,266.66	
		For Kynar® Standard Colors Finish, Add	1,741.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0189	EA		84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,898.99	201.51
			Note: Includes bird screen.		
			For Flange Frame, Add	349.60	
			For Clear Lacquer Finish, Add	699.20	
			For Baked Enamel Standard Colors, Add	1,048.79	
			For Anodized Finish, Add	1,398.39	
			For Kynar® Standard Colors Finish, Add	1,922.79	
08 91 19 00-0190	EA		84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,189.64	211.93
			Note: Includes bird screen.		
			For Flange Frame, Add	376.58	
			For Clear Lacquer Finish, Add	753.16	
			For Baked Enamel Standard Colors, Add	1,129.73	
			For Anodized Finish, Add	1,506.31	
			For Kynar® Standard Colors Finish, Add	2,071.18	
08 91 19 00-0191	EA		84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,656.30	229.30
			Note: Includes bird screen.		
			For Flange Frame, Add	419.77	
			For Clear Lacquer Finish, Add	839.54	
			For Baked Enamel Standard Colors, Add	1,259.31	
			For Anodized Finish, Add	1,679.08	
			For Kynar® Standard Colors Finish, Add	2,308.74	
08 91 19 00-0192	EA		84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,940.62	239.73
			Note: Includes bird screen.		
			For Flange Frame, Add	446.12	
			For Clear Lacquer Finish, Add	892.24	
			For Baked Enamel Standard Colors, Add	1,338.35	
			For Anodized Finish, Add	1,784.47	
			For Kynar® Standard Colors Finish, Add	2,453.65	
08 91 19 00-0193	EA		84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,252.80	250.15
			Note: Includes bird screen.		
			For Flange Frame, Add	475.25	
			For Clear Lacquer Finish, Add	950.50	
			For Baked Enamel Standard Colors, Add	1,425.75	
			For Anodized Finish, Add	1,901.00	
			For Kynar® Standard Colors Finish, Add	2,613.88	
08 91 19 00-0194	EA		84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,587.16	257.10
			Note: Includes bird screen.		
			For Flange Frame, Add	507.30	
			For Clear Lacquer Finish, Add	1,014.59	
			For Baked Enamel Standard Colors, Add	1,521.89	
			For Anodized Finish, Add	2,029.19	
			For Kynar® Standard Colors Finish, Add	2,790.13	
08 91 19 00-0195	EA		84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,888.59	264.05
			Note: Includes bird screen.		
			For Flange Frame, Add	536.05	
			For Clear Lacquer Finish, Add	1,072.10	
			For Baked Enamel Standard Colors, Add	1,608.15	
			For Anodized Finish, Add	2,144.20	
			For Kynar® Standard Colors Finish, Add	2,948.28	
08 91 19 00-0196	EA		84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	6,336.95	270.99
			Note: Includes bird screen.		
			For Flange Frame, Add	579.50	
			For Clear Lacquer Finish, Add	1,158.99	
			For Baked Enamel Standard Colors, Add	1,738.49	
			For Anodized Finish, Add	2,317.99	
			For Kynar® Standard Colors Finish, Add	3,187.23	
08 91 19 00-0197	EA		90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,622.56	128.54
			Note: Includes bird screen.		
			For Flange Frame, Add	136.55	
			For Clear Lacquer Finish, Add	273.09	
			For Baked Enamel Standard Colors, Add	409.64	
			For Anodized Finish, Add	546.18	
			For Kynar® Standard Colors Finish, Add	751.00	
08 91 19 00-0198	EA		90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,973.30	149.39
			Note: Includes bird screen.		
			For Flange Frame, Add	167.45	
			For Clear Lacquer Finish, Add	334.90	
			For Baked Enamel Standard Colors, Add	502.36	
			For Anodized Finish, Add	669.81	
			For Kynar® Standard Colors Finish, Add	920.99	
08 91 19 00-0199	EA		90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,302.53	170.24
			Note: Includes bird screen.		
			For Flange Frame, Add	196.21	
			For Clear Lacquer Finish, Add	392.41	
			For Baked Enamel Standard Colors, Add	588.62	
			For Anodized Finish, Add	784.82	
			For Kynar® Standard Colors Finish, Add	1,079.13	
08 91 19 00-0200	EA		90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,643.84	180.66
			Note: Includes bird screen.		
			For Flange Frame, Add	228.25	
			For Clear Lacquer Finish, Add	456.50	
			For Baked Enamel Standard Colors, Add	684.76	
			For Anodized Finish, Add	913.01	
			For Kynar® Standard Colors Finish, Add	1,255.39	
08 91 19 00-0201	EA		90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	3,118.81	187.61
			Note: Includes bird screen.		
			For Flange Frame, Add	274.36	
			For Clear Lacquer Finish, Add	548.72	
			For Baked Enamel Standard Colors, Add	823.08	
			For Anodized Finish, Add	1,097.44	
			For Kynar® Standard Colors Finish, Add	1,508.97	

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,427.84	194.56
		Note: Includes bird screen.		
		For Flange Frame, Add	303.87	
		For Clear Lacquer Finish, Add	607.74	
		For Baked Enamel Standard Colors, Add	911.62	
		For Anodized Finish, Add	1,215.49	
		For Kynar® Standard Colors Finish, Add	1,671.30	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,722.93	201.51
		Note: Includes bird screen.		
		For Flange Frame, Add	331.99	
		For Clear Lacquer Finish, Add	663.98	
		For Baked Enamel Standard Colors, Add	995.98	
		For Anodized Finish, Add	1,327.97	
		For Kynar® Standard Colors Finish, Add	1,825.96	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	4,085.16	208.46
		Note: Includes bird screen.		
		For Flange Frame, Add	366.83	
		For Clear Lacquer Finish, Add	733.65	
		For Baked Enamel Standard Colors, Add	1,100.48	
		For Anodized Finish, Add	1,467.30	
		For Kynar® Standard Colors Finish, Add	2,017.54	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,391.01	218.88
		Note: Includes bird screen.		
		For Flange Frame, Add	395.33	
		For Clear Lacquer Finish, Add	790.65	
		For Baked Enamel Standard Colors, Add	1,185.98	
		For Anodized Finish, Add	1,581.30	
		For Kynar® Standard Colors Finish, Add	2,174.29	
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,884.27	236.25
		Note: Includes bird screen.		
		For Flange Frame, Add	441.18	
		For Clear Lacquer Finish, Add	882.36	
		For Baked Enamel Standard Colors, Add	1,323.53	
		For Anodized Finish, Add	1,764.71	
		For Kynar® Standard Colors Finish, Add	2,426.48	
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	5,181.25	246.67
		Note: Includes bird screen.		
		For Flange Frame, Add	468.79	
		For Clear Lacquer Finish, Add	937.58	
		For Baked Enamel Standard Colors, Add	1,406.37	
		For Anodized Finish, Add	1,875.16	
		For Kynar® Standard Colors Finish, Add	2,578.35	
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,521.30	257.10
		Note: Includes bird screen.		
		For Flange Frame, Add	500.71	
		For Clear Lacquer Finish, Add	1,001.42	
		For Baked Enamel Standard Colors, Add	1,502.13	
		For Anodized Finish, Add	2,002.84	
		For Kynar® Standard Colors Finish, Add	2,753.91	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,875.92	264.05
		Note: Includes bird screen.		
		For Flange Frame, Add	534.78	
		For Clear Lacquer Finish, Add	1,069.57	
		For Baked Enamel Standard Colors, Add	1,604.35	
		For Anodized Finish, Add	2,139.14	
		For Kynar® Standard Colors Finish, Add	2,941.31	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	6,176.70	274.46
		Note: Includes bird screen.		
		For Flange Frame, Add	562.78	
		For Clear Lacquer Finish, Add	1,125.55	
		For Baked Enamel Standard Colors, Add	1,688.33	
		For Anodized Finish, Add	2,251.11	
		For Kynar® Standard Colors Finish, Add	3,095.27	
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	6,651.66	281.41
		Note: Includes bird screen.		
		For Flange Frame, Add	608.88	
		For Clear Lacquer Finish, Add	1,217.77	
		For Baked Enamel Standard Colors, Add	1,826.65	
		For Anodized Finish, Add	2,435.53	
		For Kynar® Standard Colors Finish, Add	3,348.86	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,702.92	138.97
		Note: Includes bird screen.		
		For Flange Frame, Add	142.50	
		For Clear Lacquer Finish, Add	285.00	
		For Baked Enamel Standard Colors, Add	427.50	
		For Anodized Finish, Add	570.00	
		For Kynar® Standard Colors Finish, Add	783.74	
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	2,066.35	159.81
		Note: Includes bird screen.		
		For Flange Frame, Add	174.67	
		For Clear Lacquer Finish, Add	349.34	
		For Baked Enamel Standard Colors, Add	524.02	
		For Anodized Finish, Add	698.69	
		For Kynar® Standard Colors Finish, Add	960.70	
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,412.04	180.66
		Note: Includes bird screen.		
		For Flange Frame, Add	205.07	
		For Clear Lacquer Finish, Add	410.14	
		For Baked Enamel Standard Colors, Add	615.22	
		For Anodized Finish, Add	820.29	
		For Kynar® Standard Colors Finish, Add	1,127.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0215	EA		96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,772.36	191.08
			Note: Includes bird screen.		
			For Flange Frame, Add	239.02	
			For Clear Lacquer Finish, Add	478.04	
			For Baked Enamel Standard Colors, Add	717.06	
			For Anodized Finish, Add	956.08	
			For Kynar® Standard Colors Finish, Add	1,314.60	
08 91 19 00-0216	EA		96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	3,262.51	198.03
			Note: Includes bird screen.		
			For Flange Frame, Add	286.65	
			For Clear Lacquer Finish, Add	573.29	
			For Baked Enamel Standard Colors, Add	859.94	
			For Anodized Finish, Add	1,146.58	
			For Kynar® Standard Colors Finish, Add	1,576.55	
08 91 19 00-0217	EA		96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,623.48	204.98
			Note: Includes bird screen.		
			For Flange Frame, Add	321.35	
			For Clear Lacquer Finish, Add	642.70	
			For Baked Enamel Standard Colors, Add	964.06	
			For Anodized Finish, Add	1,285.41	
			For Kynar® Standard Colors Finish, Add	1,767.44	
08 91 19 00-0218	EA		96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,937.57	211.93
			Note: Includes bird screen.		
			For Flange Frame, Add	351.37	
			For Clear Lacquer Finish, Add	702.74	
			For Baked Enamel Standard Colors, Add	1,054.11	
			For Anodized Finish, Add	1,405.48	
			For Kynar® Standard Colors Finish, Add	1,932.54	
08 91 19 00-0219	EA		96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	4,282.07	218.88
			Note: Includes bird screen.		
			For Flange Frame, Add	384.43	
			For Clear Lacquer Finish, Add	768.86	
			For Baked Enamel Standard Colors, Add	1,153.29	
			For Anodized Finish, Add	1,537.72	
			For Kynar® Standard Colors Finish, Add	2,114.37	
08 91 19 00-0220	EA		96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,601.23	225.83
			Note: Includes bird screen.		
			For Flange Frame, Add	414.96	
			For Clear Lacquer Finish, Add	829.92	
			For Baked Enamel Standard Colors, Add	1,244.87	
			For Anodized Finish, Add	1,659.83	
			For Kynar® Standard Colors Finish, Add	2,282.27	
08 91 19 00-0221	EA		96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	5,131.23	243.20
			Note: Includes bird screen.		
			For Flange Frame, Add	464.48	
			For Clear Lacquer Finish, Add	928.97	
			For Baked Enamel Standard Colors, Add	1,393.45	
			For Anodized Finish, Add	1,857.94	
			For Kynar® Standard Colors Finish, Add	2,554.66	
08 91 19 00-0222	EA		96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,075.42	253.62
			Note: Includes bird screen.		
			For Flange Frame, Add	356.82	
			For Clear Lacquer Finish, Add	713.64	
			For Baked Enamel Standard Colors, Add	1,070.45	
			For Anodized Finish, Add	1,427.27	
			For Kynar® Standard Colors Finish, Add	1,962.50	
08 91 19 00-0223	EA		96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,785.99	264.05
			Note: Includes bird screen.		
			For Flange Frame, Add	525.79	
			For Clear Lacquer Finish, Add	1,051.58	
			For Baked Enamel Standard Colors, Add	1,577.37	
			For Anodized Finish, Add	2,103.16	
			For Kynar® Standard Colors Finish, Add	2,891.85	
08 91 19 00-0224	EA		96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	6,153.28	270.99
			Note: Includes bird screen.		
			For Flange Frame, Add	561.13	
			For Clear Lacquer Finish, Add	1,122.26	
			For Baked Enamel Standard Colors, Add	1,683.39	
			For Anodized Finish, Add	2,244.52	
			For Kynar® Standard Colors Finish, Add	3,086.22	
08 91 19 00-0225	EA		96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	6,469.27	281.41
			Note: Includes bird screen.		
			For Flange Frame, Add	590.64	
			For Clear Lacquer Finish, Add	1,181.29	
			For Baked Enamel Standard Colors, Add	1,771.93	
			For Anodized Finish, Add	2,362.58	
			For Kynar® Standard Colors Finish, Add	3,248.54	
08 91 19 00-0226	EA		96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	6,980.30	291.83
			Note: Includes bird screen.		
			For Flange Frame, Add	639.66	
			For Clear Lacquer Finish, Add	1,279.33	
			For Baked Enamel Standard Colors, Add	1,918.99	
			For Anodized Finish, Add	2,558.65	
			For Kynar® Standard Colors Finish, Add	3,518.15	
08 91 19 00-0227			Fixed Hurricane Louvers (08 91 19)		
08 91 19 00-0228	EA		24" x 24" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D).....	2,149.03	66.01
08 91 19 00-0229	EA		36" x 36" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D).....	3,190.05	105.61
08 91 19 00-0230	EA		48" x 48" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D).....	3,882.40	138.97
08 91 19 00-0231	EA		54" x 54" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D).....	4,432.09	159.81

08 Openings**08 90 Louvers and Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

08 91 19 00-0232	EA	60" x 60" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D).....	5,140.51	180.66
08 91 19 00-0233	EA	72" x 96" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D).....	8,313.81	253.62

08 91 19 00-0234 Gable Louver Vents (08 91 19)

Note: 1" deep, residential/light commercial grade louvers.

08 91 19 00-0235 Aluminum Gable Louver Vents (08 91 19 00-0234)

Note: Includes screen.

08 91 19 00-0236 Rectangular Aluminum Gable Louver Vents (08 91 19 00-0235)

Note: Includes screen.

08 91 19 00-0237	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	181.64	12.90
08 91 19 00-0238	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	199.62	14.81
08 91 19 00-0239	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	229.84	16.72
08 91 19 00-0240	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	251.33	17.77
08 91 19 00-0241	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	285.04	18.82
08 91 19 00-0242	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	320.81	22.58
08 91 19 00-0243	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	374.46	28.22
08 91 19 00-0244	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	419.18	32.93
08 91 19 00-0245	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	481.77	39.51
08 91 19 00-0246	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	606.95	52.68

08 91 19 00-0247 Square Aluminum Gable Louver Vents (08 91 19 00-0235)

Note: Includes screen.

08 91 19 00-0248	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent.....	166.36	11.88
08 91 19 00-0249	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent.....	206.45	15.05
08 91 19 00-0250	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent.....	257.42	17.76
08 91 19 00-0251	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent.....	329.75	23.52
08 91 19 00-0252	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent.....	428.12	33.87
08 91 19 00-0253	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent.....	544.26	46.07
08 91 19 00-0254	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent.....	678.49	60.21

08 91 19 00-0255 Round Aluminum Gable Louver Vents (08 91 19 00-0235)

Note: Includes screen.

08 91 19 00-0256	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent.....	166.36	11.88
08 91 19 00-0257	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent.....	206.45	15.05
08 91 19 00-0258	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent.....	257.42	17.76
08 91 19 00-0259	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent.....	329.75	23.52
08 91 19 00-0260	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent.....	428.12	33.87
08 91 19 00-0261	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent.....	544.36	46.10

08 91 19 00-0262 Octagonal Aluminum Gable Louver Vents (08 91 19 00-0235)

Note: Includes screen.

08 91 19 00-0263	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	166.36	11.88
08 91 19 00-0264	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	181.64	12.90
08 91 19 00-0265	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	199.62	14.81
08 91 19 00-0266	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	206.45	15.05
08 91 19 00-0267	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	229.84	16.72
08 91 19 00-0268	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	251.33	17.77
08 91 19 00-0269	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	257.42	17.76
08 91 19 00-0270	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	285.04	18.82
08 91 19 00-0271	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	320.81	22.58
08 91 19 00-0272	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	329.75	23.52
08 91 19 00-0273	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	374.46	28.22
08 91 19 00-0274	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	419.18	32.93
08 91 19 00-0275	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	428.12	33.87
08 91 19 00-0276	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	481.77	39.51
08 91 19 00-0277	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	535.42	45.15
08 91 19 00-0278	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	544.36	46.10
08 91 19 00-0279	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	606.95	52.68
08 91 19 00-0280	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	678.49	60.21

08 91 19 00-0281 Round Top Aluminum Gable Louver Vents (08 91 19 00-0235)

Note: Includes screen.

08 91 19 00-0282	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	166.36	11.88
08 91 19 00-0283	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	181.64	12.90
08 91 19 00-0284	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	199.62	14.81
08 91 19 00-0285	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	206.45	15.05
08 91 19 00-0286	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	229.84	16.72
08 91 19 00-0287	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	251.33	17.77
08 91 19 00-0288	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	257.42	17.76
08 91 19 00-0289	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	285.04	18.82
08 91 19 00-0290	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	320.81	22.58
08 91 19 00-0291	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	329.75	23.52
08 91 19 00-0292	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	374.46	28.22
08 91 19 00-0293	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	419.18	32.93
08 91 19 00-0294	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	428.12	33.87
08 91 19 00-0295	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	481.77	39.51
08 91 19 00-0296	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	535.42	45.15
08 91 19 00-0297	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	544.36	46.10
08 91 19 00-0298	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	606.95	52.68
08 91 19 00-0299	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	678.49	60.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

08 91 19 00-0300 Triangle Aluminum Gable Louver Vents (08 91 19 00-0235)

Note: Includes screen.

08 91 19 00-0301	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	334.19	14.81
08 91 19 00-0302	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	379.77	17.76
08 91 19 00-0303	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	407.38	18.82
08 91 19 00-0304	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	467.62	22.58
08 91 19 00-0305	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	519.38	23.52
08 91 19 00-0306	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	435.63	28.22
08 91 19 00-0307	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	510.94	32.93
08 91 19 00-0308	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	574.93	33.87
08 91 19 00-0309	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	653.05	39.51
08 91 19 00-0310	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	535.42	45.15
08 91 19 00-0311	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	611.65	46.10
08 91 19 00-0312	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	704.82	52.68
08 91 19 00-0313	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	800.83	60.21
08 91 19 00-0314	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	901.18	69.19

08 91 19 00-0315 Vinyl Gable Louver Vents (08 91 19 00-0234)

Note: Includes screen.

08 91 19 00-0316	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent.....	77.41	11.88
08 91 19 00-0317	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	93.02	12.90
08 91 19 00-0318	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	126.61	16.72
08 91 19 00-0319	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	171.92	18.82
08 91 19 00-0320	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent.....	122.16	15.05
08 91 19 00-0321	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent.....	141.30	17.76
08 91 19 00-0322	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent.....	198.68	23.52
08 91 19 00-0323	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent.....	290.19	33.87
08 91 19 00-0324	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	122.16	15.05
08 91 19 00-0325	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	138.18	16.72
08 91 19 00-0326	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	177.26	18.82
08 91 19 00-0327	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	252.28	28.22
08 91 19 00-0328	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	591.60	45.15
08 91 19 00-0329	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	119.75	14.81
08 91 19 00-0330	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	166.21	18.82
08 91 19 00-0331	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	173.35	22.58
08 91 19 00-0332	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	389.19	28.22
08 91 19 00-0333	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	389.19	28.22
08 91 19 00-0334	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	389.19	28.22
08 91 19 00-0335	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	389.19	28.22
08 91 19 00-0336	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	389.19	28.22
08 91 19 00-0337	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	440.04	45.15
08 91 19 00-0338	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	440.04	45.15
08 91 19 00-0339	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	440.04	45.15
08 91 19 00-0340	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	440.04	45.15

08 91 19 00-0341 Wooden Gable Louver Vents (08 91 19 00-0234)

Note: Includes screen.

08 91 19 00-0342 Square Wooden Gable Louver Vents (08 91 19 00-0341)

Note: Includes screen.

08 91 19 00-0343	EA	12" x 12" Square Fixed Wooden Cedar Gable Louver Vent.....	146.55	11.88
08 91 19 00-0344	EA	18" x 18" Square Fixed Wooden Cedar Gable Louver Vent.....	192.06	15.05
08 91 19 00-0345	EA	24" x 24" Square Fixed Wooden Cedar Gable Louver Vent.....	254.15	17.76
08 91 19 00-0346	EA	30" x 30" Square Fixed Wooden Cedar Gable Louver Vent.....	362.84	23.52
08 91 19 00-0347	EA	36" x 36" Square Fixed Wooden Cedar Gable Louver Vent.....	495.89	33.87
08 91 19 00-0348	EA	42" x 42" Square Fixed Wooden Cedar Gable Louver Vent.....	660.98	46.07
08 91 19 00-0349	EA	48" x 48" Square Fixed Wooden Cedar Gable Louver Vent.....	858.74	60.21

08 91 19 00-0350 Rectangular Wooden Gable Louver Vents (08 91 19 00-0341)

Note: Includes screen.

08 91 19 00-0351	EA	12" x 18" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	165.01	12.90
08 91 19 00-0352	EA	12" x 24" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	186.16	14.81
08 91 19 00-0353	EA	18" x 24" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	219.36	16.72
08 91 19 00-0354	EA	18" x 30" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	244.78	17.77
08 91 19 00-0355	EA	24" x 30" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	287.49	18.82
08 91 19 00-0356	EA	24" x 36" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	328.98	22.58
08 91 19 00-0357	EA	30" x 36" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	419.41	28.22
08 91 19 00-0358	EA	30" x 42" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	475.97	32.93
08 91 19 00-0359	EA	36" x 42" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	565.20	39.51
08 91 19 00-0360	EA	42" x 48" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	744.09	52.68

08 91 19 00-0361 Round Wooden Gable Louver Vents (08 91 19 00-0341)

Note: Includes screen.

08 91 19 00-0362	EA	12" Diameter Round Fixed Wooden Cedar Gable Louver Vent.....	130.42	11.88
08 91 19 00-0363	EA	18" Diameter Round Fixed Wooden Cedar Gable Louver Vent.....	234.76	15.05
08 91 19 00-0364	EA	24" Diameter Round Fixed Wooden Cedar Gable Louver Vent.....	349.53	17.76
08 91 19 00-0365	EA	30" Diameter Round Fixed Wooden Cedar Gable Louver Vent.....	461.75	23.52
08 91 19 00-0366	EA	36" Diameter Round Fixed Wooden Cedar Gable Louver Vent.....	616.03	33.87
08 91 19 00-0367	EA	42" Diameter Round Fixed Wooden Cedar Gable Louver Vent.....	786.34	46.10

08 Openings**08 90 Louvers and Vents****08 91 Louvers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
08 91 19 00-0368 Octagonal Wooden Gable Louver Vents (08 91 19 00-0341)

Note: Includes screen.

08 91 19 00-0369	EA	12" x 12" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	171.18	11.88
08 91 19 00-0370	EA	12" x 18" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	189.64	12.90
08 91 19 00-0371	EA	12" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	210.80	14.81
08 91 19 00-0372	EA	18" x 18" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	216.69	15.05
08 91 19 00-0373	EA	18" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	243.99	16.72
08 91 19 00-0374	EA	18" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	269.41	17.77
08 91 19 00-0375	EA	24" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	278.78	17.76
08 91 19 00-0376	EA	24" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	312.12	18.82
08 91 19 00-0377	EA	24" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	353.61	22.58
08 91 19 00-0378	EA	30" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	387.47	23.52
08 91 19 00-0379	EA	30" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	444.04	28.22
08 91 19 00-0380	EA	30" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	500.60	32.93
08 91 19 00-0381	EA	36" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	520.53	33.87
08 91 19 00-0382	EA	36" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	589.83	39.51
08 91 19 00-0383	EA	36" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	659.14	45.15
08 91 19 00-0384	EA	42" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	685.72	46.10
08 91 19 00-0385	EA	42" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	768.72	52.68
08 91 19 00-0386	EA	48" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	883.37	60.21

08 91 19 00-0387 Round Top Wooden Gable Louver Vents (08 91 19 00-0341)

Note: Includes screen.

08 91 19 00-0388	EA	12" x 12" Round Top Fixed Wooden Cedar Gable Louver Vent.....	150.24	11.88
08 91 19 00-0389	EA	12" x 18" Round Top Fixed Wooden Cedar Gable Louver Vent.....	168.71	12.90
08 91 19 00-0390	EA	12" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent.....	189.86	14.81
08 91 19 00-0391	EA	18" x 18" Round Top Fixed Wooden Cedar Gable Louver Vent.....	195.75	15.05
08 91 19 00-0392	EA	18" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent.....	223.06	16.72
08 91 19 00-0393	EA	18" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent.....	248.47	17.77
08 91 19 00-0394	EA	24" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent.....	257.85	17.76
08 91 19 00-0395	EA	24" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent.....	291.19	18.82
08 91 19 00-0396	EA	24" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent.....	332.68	22.58
08 91 19 00-0397	EA	30" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent.....	366.53	23.52
08 91 19 00-0398	EA	30" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent.....	423.10	28.22
08 91 19 00-0399	EA	30" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent.....	479.67	32.93
08 91 19 00-0400	EA	36" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent.....	499.59	33.87
08 91 19 00-0401	EA	36" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent.....	568.90	39.51
08 91 19 00-0402	EA	36" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent.....	638.21	45.15
08 91 19 00-0403	EA	42" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent.....	664.78	46.10
08 91 19 00-0404	EA	42" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent.....	747.78	52.68
08 91 19 00-0405	EA	48" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent.....	862.43	60.21

08 91 19 00-0406 Triangle Wooden Gable Louver Vents (08 91 19 00-0341)

Note: Includes screen.

08 91 19 00-0407	EA	4' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	286.65	17.76
08 91 19 00-0408	EA	4' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	303.52	18.82
08 91 19 00-0409	EA	5' Base 5/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	314.82	22.58
08 91 19 00-0410	EA	5' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	329.08	23.52
08 91 19 00-0411	EA	5' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	356.93	28.22
08 91 19 00-0412	EA	6' Base 4/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	359.27	32.93
08 91 19 00-0413	EA	6' Base 5/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	373.88	33.87
08 91 19 00-0414	EA	6' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	444.14	39.51
08 91 19 00-0415	EA	6' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	496.28	45.15

08 91 19 00-0416 Composite Gable Louvers (08 91 19 00-0234)**08 91 19 00-0417 Round Composite Gable Louvers (08 91 19 00-0416)****08 91 19 00-0418 Round Composite Gable Louvers (08 91 19 00-0417)**

08 91 19 00-0419	EA	12" Diameter, Functional, Round Composite Gable Louver.....	116.28	17.62
08 91 19 00-0420	EA	12" Diameter, Non-Functional, Round Composite Gable Louver.....	108.01	17.62
08 91 19 00-0421	EA	18" Diameter, Functional, Round Composite Gable Louver.....	150.04	20.34
08 91 19 00-0422	EA	18" Diameter, Non-Functional, Round Composite Gable Louver.....	138.79	20.34
08 91 19 00-0423	EA	24" Diameter, Functional, Round Composite Gable Louver.....	188.78	23.73
08 91 19 00-0424	EA	24" Diameter, Non-Functional, Round Composite Gable Louver.....	174.19	23.73

08 91 19 00-0425 Round Composite Gable Louvers With Keystones (08 91 19 00-0417)

08 91 19 00-0426	EA	18" Diameter, Functional, Round Composite Gable Louver With Keystones.....	256.23	20.34
08 91 19 00-0427	EA	18" Diameter, Non-Functional, Round Composite Gable Louver With Keystones.....	245.09	20.34
08 91 19 00-0428	EA	24" Diameter, Functional, Round Composite Gable Louver With Keystones.....	272.31	23.73
08 91 19 00-0429	EA	24" Diameter, Non-Functional, Round Composite Gable Louver With Keystones.....	262.74	23.73

08 91 19 00-0430 Half Round Composite Gable Louvers (08 91 19 00-0416)**08 91 19 00-0431 Half Round Composite Gable Louvers (08 91 19 00-0430)**

08 91 19 00-0432	EA	24" Diameter, Functional, Half Round Composite Gable Louver.....	168.06	23.73
08 91 19 00-0433	EA	24" Diameter, Non-Functional, Half Round Composite Gable Louver.....	159.88	23.73
08 91 19 00-0434	EA	36" Diameter, Functional, Half Round Composite Gable Louver.....	224.54	30.51
08 91 19 00-0435	EA	36" Diameter, Non-Functional, Half Round Composite Gable Louver.....	210.24	30.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 91 19 00-0436			Half Round Composite Gable Louvers With Keystones (08 91 19 00-0430)		
08 91 19 00-0437	EA		36" Diameter, Functional, Half Round Composite Gable Louver With Keystones	318.57	30.51
08 91 19 00-0438	EA		36" Diameter, Non-Functional, Half Round Composite Gable Louver With Keystones	289.51	30.51
08 91 19 00-0439			Triangle Composite Gable Louvers (08 91 19 00-0416)		
08 91 19 00-0440	EA		48" W x 10" H, Functional, Triangle, Composite Gable Louver.....	263.65	37.29
08 91 19 00-0441	EA		48" W x 10" H, Non-Functional, Triangle, Composite Gable Louver	252.41	37.29
08 91 19 00-0442	EA		48" W x 12" H, Functional, Triangle Composite Gable Louver.....	275.54	40.68
08 91 19 00-0443	EA		48" W x 12" H, Non-Functional, Triangle Composite Gable Louver.....	263.28	40.68
08 91 19 00-0444			Octagon Composite Gable Louvers (08 91 19 00-0416)		
08 91 19 00-0445	EA		12", Functional, Octagon Composite Gable Louver	215.52	17.62
08 91 19 00-0446	EA		12", Non-Functional, Octagon Composite Gable Louver	210.28	17.62
08 91 19 00-0447	EA		18", Functional, Octagon Composite Gable Louver	140.84	20.34
08 91 19 00-0448	EA		18", Non-Functional, Octagon Composite Gable Louver	134.71	20.34

08 95 Vents (08 90)

08 95 13 Soffit Vents (08 95)

08 95 13 00-0001			Aluminum Soffit Vents (08 95 13)		
08 95 13 00-0002	LF		2-1/2" Wide Aluminum Soffit Vent.....	8.89	3.20
08 95 13 00-0003	LF		3" Wide Aluminum Soffit Vent.....	15.95	6.26
08 95 13 00-0004	EA		4" x 16" Under Eave Vent, Mill Finish	26.13	8.34
08 95 13 00-0005	EA		8" x 16" Under Eave Vent, Mill Finish	27.10	8.34

08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)

08 95 13 00-0007	LF		Up To 2" Vinyl Soffit Vent, Perforated, White.....	8.31	3.56
			<i>For Colors, Add</i>	0.12	
08 95 13 00-0008	LF		3" To 4" Vinyl Soffit Vent, Perforated, White.....	8.67	3.56
			<i>For Colors, Add</i>	0.16	

08 95 16 Wall Vents (08 95)

08 95 16 00-0001			Foundation Vents (08 95 16)		
08 95 16 00-0002	SI		Galvanized Steel Foundation Vent	0.53	0.23
08 95 16 00-0003	SI		Aluminum Foundation Vent	1.03	0.23
08 95 16 00-0004	SI		Stainless Steel Foundation Vent.....	1.20	0.23
08 95 16 00-0005	SI		Plastic Foundation Vent.....	0.66	0.23

END OF SECTION 08

08	08	Openings
	08 90	Louvers and Vents
	08 95	Vents



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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		Finishes	09	
		Maintenance of Finishes	09 01	
		Maintenance of Plaster and Gypsum Board	09 01 20	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

09 Finishes

09 01 Maintenance of Finishes (09)

09 01 20 Maintenance of Plaster and Gypsum Board (09 01)

09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001		Cut And Patch Hole In Gypsum Board To Match Existing (09 01 20 91)	
		Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 16 SF.	
09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing.....	23.92
		Note: Per location.	
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing	19.29
		Note: Per location.	
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing	17.32
		Note: Per location.	
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing	15.26
		Note: Per location.	
09 01 20 91-0006		Patch/Finish Gypsum Board To Match Existing (09 01 20 91)	
		Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.	
09 01 20 91-0007	EA	Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops	2.32
		For ASTM C840 Level 1 Finish, Deduct	-1.12
		For ASTM C840 Level 2 Finish, Deduct	-0.56
		For ASTM C840 Level 3 Finish, Deduct	-0.23
		For ASTM C840 Level 5 High Quality Finish, Add	1.72
09 01 20 91-0008		Plaster/Stucco Repair (09 01 20 91)	
		Note: Per location.	
09 01 20 91-0009		Clean And Repair Crack In Plaster/Stucco (09 01 20 91-0008)	
		Note: Includes plaster weld.	
09 01 20 91-0010	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	23.36
09 01 20 91-0011	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	18.73
09 01 20 91-0012	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	15.28
09 01 20 91-0013	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	11.82
09 01 20 91-0014	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	9.51
09 01 20 91-0015	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	7.21
09 01 20 91-0016		Cut And Patch Hole In Plaster/Stucco To Match Existing (09 01 20 91-0008)	
		Note: Includes plaster weld.	
09 01 20 91-0017	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	22.23
09 01 20 91-0018	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	19.66
09 01 20 91-0019	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	18.11
09 01 20 91-0020	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	16.82
09 01 20 91-0021	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	15.70
09 01 20 91-0022	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	14.45
09 01 20 91-0023		Chip, Clean And Repair Plaster/Stucco (09 01 20 91-0008)	
		Note: Includes plaster weld.	
09 01 20 91-0024	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	42.01
09 01 20 91-0025	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	30.47
09 01 20 91-0026	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	22.39
09 01 20 91-0027	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	17.78

09 01 30 Maintenance of Tiling (09 01)

09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF	RegROUT Floor Tile Including Removal Of Loose Grout	8.83
09 01 30 91-0002	SF	RegROUT Wall Tile Including Removal Of Loose Grout	11.02
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing	56.09
		Note: Per location.	

09 01 50 Maintenance of Ceilings (09 01)

09 01 50 91 Ceiling Restoration (09 01 50)

09 01 50 91-0001		Repair Ceiling Suspension System (09 01 50 91)	
		See CSI section 09 53 23 00-0009 for ceiling suspension system accessories for replacement.	

09 01 60 Maintenance of Flooring (09 01)

09 01 60 91 Flooring Restoration (09 01 60)

09 01 60 91-0001		Grinding, Polishing And Sealing Terrazzo (09 01 60 91)	
09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo	365.82

09 Finishes**09 01 Maintenance of Finishes****09 01 60 Maintenance of Flooring**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	5.59
09 01 60 91-0004	SF	Repair Existing Terrazzo.....	25.09
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	5.74

09 01 60 91-0006 Standard Flooring Maintenance (09 01 60 91)

09 01 60 91-0007	CSF	Steam Clean Carpet	47.57
09 01 60 91-0008	CSF	Wax And Polish Tile And VCT Flooring	52.66
		For Additional Coat, Add	44.16
		For Stripping Existing Wax From Floor, Add	50.08
09 01 60 91-0009	CSF	Wax And Polish Wood Flooring	32.54
		For Additional Coat, Add	28.76
		For Stripping Existing Wax From Floor, Add	50.08
09 01 60 91-0010	MSF	Vacuum Floors.....	26.30

09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Flooring (09 01 60 91)

09 01 60 91-0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Flooring	10.20
		Note: Up to 1/8" of material per pass	
09 01 60 91-0013	LF	Up To 6" Wide, Hand Detail Work/Grinding At Wall Of Existing Concrete Floor Prior To Installation Of Flooring.....	20.02
		Note: Up to 1/4" of material per pass	
09 01 60 91-0014	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring.....	8.37

09 01 60 91-0015 Floor Sealants (09 01 60 91)

09 01 60 91-0016	SF	Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat	1.50
		Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	
09 01 60 91-0017	SF	Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat	1.68
		Note: For interior/exterior concrete surfaces.	
09 01 60 91-0018	SF	Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.74
09 01 60 91-0019	GAL	Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	48.05

09 01 60 91-0020 Double Stick Tape (09 01 60 91)

09 01 60 91-0021	SF	Double Stick Tape; DryFix Tape	4.82
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09 01 80 Maintenance of Acoustic Treatment (09 01)**09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment (09 01 80)**

09 01 80 00-0002	SF	Removal Of Acoustical And Popcorn Ceilings Treatment.....	2.93
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09 01 90 Maintenance of Painting and Coating (09 01)**09 01 90 52 Maintenance Repainting (09 01 90)****09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces (09 01 90 52)**

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.

09 01 90 52-0002 Concrete, Stone And Masonry Surfaces, Surface Preparation (09 01 90 52-0001)

09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete, Stone Or Masonry Surfaces, Surface Preparation	0.61
		For Up To 100, Add	0.44
		For >100 To 250, Add	0.21
		For >250 To 500, Add	0.09
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 15,000, Deduct	-0.06
		For >15,000 To 30,000, Deduct	-0.09
		For >30,000, Deduct	-0.12
09 01 90 52-0004	SF	Calcimine Removal/Washing, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.60
		For Up To 100, Add	1.07
		For >100 To 250, Add	0.28
		For >250 To 500, Add	0.14
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 15,000, Deduct	-0.06
		For >15,000 To 30,000, Deduct	-0.09
		For >30,000, Deduct	-0.12
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.96
		For Up To 100, Add	1.65
		For >100 To 250, Add	0.44
		For >250 To 500, Add	0.21
		For >5,000 To 10,000, Deduct	-0.04
		For >10,000 To 15,000, Deduct	-0.09
		For >15,000 To 30,000, Deduct	-0.14
		For >30,000, Deduct	-0.18
09 01 90 52-0006	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	1.50
		For Up To 100, Add	3.00
		For >100 To 250, Add	0.75
		For >250 To 500, Add	0.38
		For >5,000 To 10,000, Deduct	-0.08
		For >10,000 To 15,000, Deduct	-0.15
		For >15,000 To 30,000, Deduct	-0.23
		For >30,000, Deduct	-0.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90	52-0007	SF	Steam Clean, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.87	
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.19	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.13	
			For >30,000, Deduct	-0.17	
09 01 90	52-0008	SF	2,000 To 5,000 PSI Pressure Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.56	
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.12	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 01 90	52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	1.56	
			For Up To 100, Add	2.81	
			For >100 To 250, Add	0.73	
			For >250 To 500, Add	0.36	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 15,000, Deduct	-0.15	
			For >15,000 To 30,000, Deduct	-0.23	
			For >30,000, Deduct	-0.30	
09 01 90	52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	2.57	
			For Up To 100, Add	4.83	
			For >100 To 250, Add	1.23	
			For >250 To 500, Add	0.61	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 15,000, Deduct	-0.25	
			For >15,000 To 30,000, Deduct	-0.38	
			For >30,000, Deduct	-0.50	
09 01 90	52-0011	SF	Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation	4.01	
			Note: 3 Lb. of sand or glass abrasive media material per SF		
			For 4.5 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	2.33	
			For 6 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	4.82	
			For 9 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	8.02	
			For Up To 100, Add	6.88	
			For >100 To 250, Add	1.82	
			For >250 To 500, Add	0.89	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 15,000, Deduct	-0.37	
			For >15,000 To 30,000, Deduct	-0.58	
			For >30,000, Deduct	-0.76	
09 01 90	52-0012		Drywall Surfaces, Surface Preparation (09 01 90 52-0001)		
			See CSI section 09 01 20 91-0006 for Patch holes other than nail/screw holes and greater than 1/2" diameter.		
09 01 90	52-0013	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.47	
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.12	
09 01 90	52-0014	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation	0.80	
			For Up To 100, Add	1.60	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.20	
09 01 90	52-0015	SF	Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation	1.49	
			For Up To 100, Add	2.85	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.36	
09 01 90	52-0016		Metal Surfaces, Surface Preparation (09 01 90 52-0001)		
09 01 90	52-0017	SF	Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation	0.58	
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.12	
09 01 90	52-0018	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.96	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.14	
			For >30,000, Deduct	-0.18	
09 01 90	52-0019	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	1.21	
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 15,000, Deduct	-0.12	
			For >15,000 To 30,000, Deduct	-0.18	
			For >30,000, Deduct	-0.24	

09 Finishes**09 01 Maintenance of Finishes****09 01 90 Maintenance of Painting and Coating**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 01 90 52-0020	SF	2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.53	
		For Up To 100, Add	0.32	
		For >100 To 250, Add	0.15	
		For >250 To 500, Add	0.06	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.05	
		For >15,000 To 30,000, Deduct	-0.08	
		For >30,000, Deduct	-0.10	
09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.52	
		For Up To 100, Add	1.14	
		For >100 To 250, Add	0.53	
		For >250 To 500, Add	0.23	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 15,000, Deduct	-0.15	
		For >15,000 To 30,000, Deduct	-0.23	
		For >30,000, Deduct	-0.30	
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.55	
		For Up To 100, Add	0.29	
		For >100 To 250, Add	0.14	
		For >250 To 500, Add	0.06	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.05	
		For >15,000 To 30,000, Deduct	-0.08	
		For >30,000, Deduct	-0.10	
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	1.17	
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.14	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 15,000, Deduct	-0.11	
		For >15,000 To 30,000, Deduct	-0.17	
		For >30,000, Deduct	-0.22	
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.61	
		For Up To 100, Add	0.97	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.19	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 15,000, Deduct	-0.15	
		For >15,000 To 30,000, Deduct	-0.23	
		For >30,000, Deduct	-0.31	
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.37	
		For Up To 100, Add	1.46	
		For >100 To 250, Add	0.68	
		For >250 To 500, Add	0.29	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 15,000, Deduct	-0.22	
		For >15,000 To 30,000, Deduct	-0.34	
		For >30,000, Deduct	-0.45	
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	3.95	
		For Up To 100, Add	2.42	
		For >100 To 250, Add	1.13	
		For >250 To 500, Add	0.48	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 15,000, Deduct	-0.37	
		For >15,000 To 30,000, Deduct	-0.57	
		For >30,000, Deduct	-0.75	
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.01	
		For Up To 100, Add	1.82	
		For >100 To 250, Add	0.85	
		For >250 To 500, Add	0.36	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 15,000, Deduct	-0.28	
		For >15,000 To 30,000, Deduct	-0.43	
		For >30,000, Deduct	-0.57	
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.73	
		For Up To 100, Add	2.24	
		For >100 To 250, Add	1.04	
		For >250 To 500, Add	0.45	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 15,000, Deduct	-0.34	
		For >15,000 To 30,000, Deduct	-0.54	
		For >30,000, Deduct	-0.71	
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	4.84	
		For Up To 100, Add	2.91	
		For >100 To 250, Add	1.36	
		For >250 To 500, Add	0.58	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 15,000, Deduct	-0.45	
		For >15,000 To 30,000, Deduct	-0.70	
		For >30,000, Deduct	-0.92	
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	6.04	
		For Up To 100, Add	3.63	
		For >100 To 250, Add	1.69	
		For >250 To 500, Add	0.73	
		For >5,000 To 10,000, Deduct	-0.28	
		For >10,000 To 15,000, Deduct	-0.56	
		For >15,000 To 30,000, Deduct	-0.87	
		For >30,000, Deduct	-1.15	

09 01 90 52-0031 Tile Surfaces, Surface Preparation (09 01 90 52-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0032	SF		Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation.....	0.53	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 01 90 52-0033	CSF		Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	52.76	
			For Up To 100, Add	39.29	
			For >100 To 250, Add	18.34	
			For >250 To 500, Add	7.86	
			For >5,000 To 10,000, Deduct	-2.63	
			For >10,000 To 15,000, Deduct	-5.26	
			For >15,000 To 30,000, Deduct	-7.90	
			For >30,000, Deduct	-10.53	
09 01 90 52-0034	SF		2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.39	
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.07	
09 01 90 52-0035 Wood Surfaces, Surface Preparation (09 01 90 52-0001)					
09 01 90 52-0036	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.80	
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 15,000, Deduct	-0.18	
			For >15,000 To 30,000, Deduct	-0.27	
			For >30,000, Deduct	-0.36	
09 01 90 52-0037	SF		Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.55	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 01 90 52-0038	SF		Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.80	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.11	
			For >30,000, Deduct	-0.15	
09 01 90 52-0039	SF		Hand Scrape Wood Surfaces, Surface Preparation.....	0.92	
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.14	
			For >30,000, Deduct	-0.18	
09 01 90 52-0040	SF		Steam Clean Wood Surfaces, Surface Preparation	0.85	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.12	
			For >30,000, Deduct	-0.16	
09 01 90 52-0041	SF		2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.58	
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 01 90 52-0042	SF		Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	1.09	
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.11	
			For >15,000 To 30,000, Deduct	-0.16	
			For >30,000, Deduct	-0.21	
09 01 90 52-0043	SF		Sanding Wood Trim Surfaces, Surface Preparation	1.48	
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.21	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 15,000, Deduct	-0.14	
			For >15,000 To 30,000, Deduct	-0.22	
			For >30,000, Deduct	-0.29	

09 Finishes**09 01 Maintenance of Finishes****09 01 90 Maintenance of Painting and Coating**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.97	
		For Up To 100, Add	0.62	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.12	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 15,000, Deduct	-0.09	
		For >15,000 To 30,000, Deduct	-0.14	
		For >30,000, Deduct	-0.19	
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	1.12	
		For Up To 100, Add	0.74	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 15,000, Deduct	-0.11	
		For >15,000 To 30,000, Deduct	-0.16	
		For >30,000, Deduct	-0.22	
09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation (09 01 90 52-0001)				
09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.53	
		For Up To 100, Add	0.38	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 15,000, Deduct	-0.05	
		For >15,000 To 30,000, Deduct	-0.08	
		For >30,000, Deduct	-0.11	
09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.84	
		For Up To 100, Add	0.60	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 15,000, Deduct	-0.08	
		For >15,000 To 30,000, Deduct	-0.12	
		For >30,000, Deduct	-0.17	
09 01 90 52-0049	SF	2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.48	
		For Up To 100, Add	0.27	
		For >100 To 250, Add	0.13	
		For >250 To 500, Add	0.05	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 15,000, Deduct	-0.04	
		For >15,000 To 30,000, Deduct	-0.07	
		For >30,000, Deduct	-0.09	
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.90	
		For Up To 100, Add	0.52	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 15,000, Deduct	-0.08	
		For >15,000 To 30,000, Deduct	-0.13	
		For >30,000, Deduct	-0.17	
09 01 90 52-0051 Plaster/Stucco Surfaces, Surface Preparation (09 01 90 52-0001)				
		Note: Based on total project quantity.		
09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.61	
		For Up To 100, Add	0.44	
		For >100 To 250, Add	0.21	
		For >250 To 500, Add	0.09	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 15,000, Deduct	-0.06	
		For >15,000 To 30,000, Deduct	-0.09	
		For >30,000, Deduct	-0.12	
09 01 90 52-0053	SF	2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation.....	0.63	
		For Up To 100, Add	0.37	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 15,000, Deduct	-0.06	
		For >15,000 To 30,000, Deduct	-0.09	
		For >30,000, Deduct	-0.12	
09 01 90 52-0054 Prep Work (09 01 90 52-0001)				
09 01 90 52-0055	SF	Citrus Strip, Single Applications.....	1.43	
		Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations		
09 01 90 91 Paint Restoration (09 01 90)				
09 01 90 91-0001 Paint Removal, Strip To Bare Wood (09 01 90 91)				
09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	9.62	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	10.25	

09 05 Common Work Results for Finishes (09)

09 05 61 Common Work Results for Flooring Preparation (09 05)

09 05 61 13 Moisture Vapor Emission Control (09 05 61)

09 05 61 13-0001		Moisture Vapor Reduction System (Koster VAP) (09 05 61 13)		
09 05 61 13-0002	SF	Up To 200 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	16.53	
		Note: Clear		
09 05 61 13-0003	SF	>200 To 500 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	13.12	
		Note: Clear		
09 05 61 13-0004	SF	>500 To 1,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	8.74	
		Note: Clear		
09 05 61 13-0005	SF	>1,000 To 3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	7.29	
		Note: Clear		
09 05 61 13-0006	SF	>3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	5.83	
		Note: Clear		
09 05 61 13-0007		Moisture Vapor Transmission Control (Dependable Cutdown® II) (09 05 61 13)		
09 05 61 13-0008	SF	8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	3.74	
09 05 61 13-0009	SF	15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	4.84	

09 05 71 Acoustic Underlayment (09 05)

09 05 71 00-0001		Tile And Stone Acoustical Underlayment (09 05 71)		
09 05 71 00-0002	SF	5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	4.77	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	0.57	
09 05 71 00-0003		Resilient Floor Acoustical Underlayment (09 05 71)		
09 05 71 00-0004	SF	Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)	3.36	
09 05 71 00-0005	SF	2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler)	1.82	
09 05 71 00-0006	SF	0.055" Thick High-Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)	1.74	

09 20 Plaster and Gypsum Board (09)

09 22 Supports for Plaster and Gypsum Board (09 20)

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring (09 22)

09 22 13 13 Metal Channel Furring (09 22 13)

09 22 13 13-0001		Hat Furring Channel (09 22 13 13)		
		Note: Includes clips where required.		
09 22 13 13-0002		Installed On Walls, Hat Furring Channel (09 22 13 13-0001)		
09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.38	2.06
		For Walls >10' High, Add	0.62	
		For 24" On Center, Deduct	-0.66	
		For 12" On Center, Add	0.87	
		For 22 Gauge, Add	0.93	
		For 20 Gauge, Add	1.44	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.88	2.06
		For Walls >10' High, Add	0.62	
		For 24" On Center, Deduct	-0.76	
		For 12" On Center, Add	0.97	
		For 22 Gauge, Add	1.18	
		For 20 Gauge, Add	1.77	
09 22 13 13-0005		Installed On Columns And Beams, Hat Furring Channel (09 22 13 13-0001)		
09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	7.61	3.17
		For Columns And Beams >10' High, Add	1.27	
		For 24" On Center, Deduct	-0.89	
		For 12" On Center, Add	1.20	
		For 22 Gauge, Add	1.11	
		For 20 Gauge, Add	1.78	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	8.11	3.17
		For Columns And Beams >10' High, Add	1.27	
		For 24" On Center, Deduct	-0.99	
		For 12" On Center, Add	1.30	
		For 22 Gauge, Add	1.36	
		For 20 Gauge, Add	2.11	
09 22 13 13-0008		Installed On Ceilings, Hat Furring Channel (09 22 13 13-0001)		
09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	7.16	2.54
		For Ceilings >10' High, Add	0.76	
		For 24" On Center, Deduct	-0.92	
		For 12" On Center, Add	1.18	
		For 22 Gauge, Add	1.42	
		For 20 Gauge, Add	2.13	

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel.....	7.66	2.54
		<i>For Ceilings >10' High, Add</i>	0.76	
		<i>For 24" On Center, Deduct</i>	-1.02	
		<i>For 12" On Center, Add</i>	1.28	
		<i>For 22 Gauge, Add</i>	1.67	
		<i>For 20 Gauge, Add</i>	2.46	

09 22 13 13-0011 Z Furring Channel (09 22 13 13)**09 22 13 13-0012 Installed On Walls, Z Furring Channel** (09 22 13 13-0011)

09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	4.46	2.06
		<i>For Walls >10' High, Add</i>	0.62	
		<i>For 24" On Center, Deduct</i>	-0.48	
		<i>For 12" On Center, Add</i>	0.69	
		<i>For 22 Gauge, Add</i>	0.47	
		<i>For 20 Gauge, Add</i>	0.84	
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.52	2.06
		<i>For Walls >10' High, Add</i>	0.62	
		<i>For 24" On Center, Deduct</i>	-0.49	
		<i>For 12" On Center, Add</i>	0.70	
		<i>For 22 Gauge, Add</i>	0.50	
		<i>For 20 Gauge, Add</i>	0.88	
09 22 13 13-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	4.58	2.06
		<i>For Walls >10' High, Add</i>	0.62	
		<i>For 24" On Center, Deduct</i>	-0.50	
		<i>For 12" On Center, Add</i>	0.71	
		<i>For 22 Gauge, Add</i>	0.53	
		<i>For 20 Gauge, Add</i>	0.92	
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.62	2.06
		<i>For Walls >10' High, Add</i>	0.62	
		<i>For 24" On Center, Deduct</i>	-0.51	
		<i>For 12" On Center, Add</i>	0.72	
		<i>For 22 Gauge, Add</i>	0.55	
		<i>For 20 Gauge, Add</i>	0.94	
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	4.66	2.06
		<i>For Walls >10' High, Add</i>	0.62	
		<i>For 24" On Center, Deduct</i>	-0.52	
		<i>For 12" On Center, Add</i>	0.73	
		<i>For 22 Gauge, Add</i>	0.57	
		<i>For 20 Gauge, Add</i>	0.97	

09 22 13 23 Resilient Channel Furring (09 22 13)**09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel** (09 22 13 23)

Note: Includes clips where required.

09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)

09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel.....	4.82	2.06
		<i>For Walls >10' High, Add</i>	0.62	
		<i>For 24" On Center, Deduct</i>	-0.55	
		<i>For 12" On Center, Add</i>	0.76	
		<i>For 20 Gauge, Add</i>	1.07	

09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)

09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel.....	5.77	2.54
		<i>For Ceilings >10' High, Add</i>	0.76	
		<i>For 24" On Center, Deduct</i>	-0.65	
		<i>For 12" On Center, Add</i>	0.90	
		<i>For 20 Gauge, Add</i>	1.22	

09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23)

Note: Includes clips where required.

09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)

09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	5.08	2.06
		<i>For Walls >10' High, Add</i>	0.62	
		<i>For 24" On Center, Deduct</i>	-0.60	
		<i>For 12" On Center, Add</i>	0.81	
		<i>For 20 Gauge, Add</i>	1.25	

09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)

09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	6.03	2.54
		<i>For Ceilings >10' High, Add</i>	0.76	
		<i>For 24" On Center, Deduct</i>	-0.70	
		<i>For 12" On Center, Add</i>	0.95	
		<i>For 20 Gauge, Add</i>	1.39	

09 22 16 Non-Structural Metal Framing (09 22)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

09 22 16 13 Non-Structural Metal Stud Framing (09 22 16)

Finishes			09
Plaster and Gypsum Board			09 20
Supports for Plaster and Gypsum Board			09 22
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

09 22 16 13-0001	25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)			
09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.51	0.86
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	0.70	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.07	
		For Soffit, Columns Or Beams >10' High, Add	2.72	
		For Horizontal Installation Up To 10' High, Add	0.67	
		For Horizontal Installation >10' High, Add	0.89	
		For Curved Wall, Add	0.65	
		For 12" On Center, Add	0.59	
		For 24" On Center, Deduct	-0.59	
		For Up To 100, Add	1.13	
		For >100 To 300, Add	0.57	
		For >1,000, Deduct	-0.31	
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	3.77	0.90
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	0.75	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.18	
		For Soffit, Columns Or Beams >10' High, Add	2.85	
		For Horizontal Installation Up To 10' High, Add	0.71	
		For Horizontal Installation >10' High, Add	0.94	
		For Curved Wall, Add	0.68	
		For 12" On Center, Add	0.64	
		For 24" On Center, Deduct	-0.64	
		For Up To 100, Add	1.20	
		For >100 To 300, Add	0.60	
		For >1,000, Deduct	-0.34	
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.12	0.94
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	0.82	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.30	
		For Soffit, Columns Or Beams >10' High, Add	3.01	
		For Horizontal Installation Up To 10' High, Add	0.77	
		For Horizontal Installation >10' High, Add	1.00	
		For Curved Wall, Add	0.71	
		For 12" On Center, Add	0.71	
		For 24" On Center, Deduct	-0.71	
		For Up To 100, Add	1.30	
		For >100 To 300, Add	0.65	
		For >1,000, Deduct	-0.38	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.42	0.99
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	0.88	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.43	
		For Soffit, Columns Or Beams >10' High, Add	3.17	
		For Horizontal Installation Up To 10' High, Add	0.81	
		For Horizontal Installation >10' High, Add	1.06	
		For Curved Wall, Add	0.74	
		For 12" On Center, Add	0.76	
		For 24" On Center, Deduct	-0.76	
		For Up To 100, Add	1.38	
		For >100 To 300, Add	0.69	
		For >1,000, Deduct	-0.42	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.98	1.04
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	1.00	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.58	
		For Soffit, Columns Or Beams >10' High, Add	3.36	
		For Horizontal Installation Up To 10' High, Add	0.89	
		For Horizontal Installation >10' High, Add	1.15	
		For Curved Wall, Add	0.78	
		For 12" On Center, Add	0.87	
		For 24" On Center, Deduct	-0.87	
		For Up To 100, Add	1.52	
		For >100 To 300, Add	0.76	
		For >1,000, Deduct	-0.49	
09 22 16 13-0007	20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)			
09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.02	0.87
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	0.80	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.16	
		For Soffit, Columns Or Beams >10' High, Add	2.82	
		For Horizontal Installation Up To 10' High, Add	0.73	
		For Horizontal Installation >10' High, Add	0.95	
		For Curved Wall, Add	0.66	
		For 12" On Center, Add	0.69	
		For 24" On Center, Deduct	-0.69	
		For Up To 100, Add	1.24	
		For >100 To 300, Add	0.62	
		For >1,000, Deduct	-0.38	

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.45	0.92
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	0.89	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.29	
		For Soffit, Columns Or Beams >10' High, Add	2.99	
		For Horizontal Installation Up To 10' High, Add	0.79	
		For Horizontal Installation >10' High, Add	1.02	
		For Curved Wall, Add	0.69	
		For 12" On Center, Add	0.77	
		For 24" On Center, Deduct	-0.77	
		For Up To 100, Add	1.35	
		For >100 To 300, Add	0.68	
		For >1,000, Deduct	-0.44	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	4.97	0.96
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	0.99	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.44	
		For Soffit, Columns Or Beams >10' High, Add	3.17	
		For Horizontal Installation Up To 10' High, Add	0.86	
		For Horizontal Installation >10' High, Add	1.10	
		For Curved Wall, Add	0.73	
		For 12" On Center, Add	0.87	
		For 24" On Center, Deduct	-0.87	
		For Up To 100, Add	1.48	
		For >100 To 300, Add	0.74	
		For >1,000, Deduct	-0.50	
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners.....	5.29	1.01
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	1.06	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.56	
		For Soffit, Columns Or Beams >10' High, Add	3.32	
		For Horizontal Installation Up To 10' High, Add	0.91	
		For Horizontal Installation >10' High, Add	1.16	
		For Curved Wall, Add	0.76	
		For 12" On Center, Add	0.93	
		For 24" On Center, Deduct	-0.93	
		For Up To 100, Add	1.57	
		For >100 To 300, Add	0.78	
		For >1,000, Deduct	-0.54	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.61	1.06
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	1.52	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.90	
		For Soffit, Columns Or Beams >10' High, Add	3.70	
		For Horizontal Installation Up To 10' High, Add	1.16	
		For Horizontal Installation >10' High, Add	1.43	
		For Curved Wall, Add	0.80	
		For 12" On Center, Add	1.39	
		For 24" On Center, Deduct	-1.39	
		For Up To 100, Add	2.06	
		For >100 To 300, Add	1.03	
		For >1,000, Deduct	-0.87	

09 22 16 13-0013 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners

(09 22 16 13)

09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.38	0.94
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	1.28	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.53	
		For Soffit, Columns Or Beams >10' High, Add	3.23	
		For Horizontal Installation Up To 10' High, Add	0.99	
		For Horizontal Installation >10' High, Add	1.23	
		For Curved Wall, Add	0.71	
		For 12" On Center, Add	1.16	
		For 24" On Center, Deduct	-1.16	
		For Up To 100, Add	1.75	
		For >100 To 300, Add	0.87	
		For >1,000, Deduct	-0.72	
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.10	0.99
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	1.42	
		For Soffit, Columns Or Beams Up To 10' High, Add	2.70	
		For Soffit, Columns Or Beams >10' High, Add	3.45	
		For Horizontal Installation Up To 10' High, Add	1.08	
		For Horizontal Installation >10' High, Add	1.33	
		For Curved Wall, Add	0.75	
		For 12" On Center, Add	1.30	
		For 24" On Center, Deduct	-1.30	
		For Up To 100, Add	1.92	
		For >100 To 300, Add	0.96	
		For >1,000, Deduct	-0.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 16 13-0016	SF		4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.64	1.04
			For Powder-Actuated Fasteners Every 2', Add	0.07	
			For Walls >10' High, Add	1.53	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.84	
			For Soffit, Columns Or Beams >10' High, Add	3.62	
			For Horizontal Installation Up To 10' High, Add	1.15	
			For Horizontal Installation >10' High, Add	1.41	
			For Curved Wall, Add	0.78	
			For 12" On Center, Add	1.40	
			For 24" On Center, Deduct	-1.40	
			For Up To 100, Add	2.05	
			For >100 To 300, Add	1.02	
			For >1,000, Deduct	-0.89	
09 22 16 13-0017	SF		6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	10.16	1.09
			For Powder-Actuated Fasteners Every 2', Add	0.07	
			For Walls >10' High, Add	2.03	
			For Soffit, Columns Or Beams Up To 10' High, Add	3.21	
			For Soffit, Columns Or Beams >10' High, Add	4.03	
			For Horizontal Installation Up To 10' High, Add	1.43	
			For Horizontal Installation >10' High, Add	1.70	
			For Curved Wall, Add	0.82	
			For 12" On Center, Add	1.90	
			For 24" On Center, Deduct	-1.90	
			For Up To 100, Add	2.58	
			For >100 To 300, Add	1.29	
			For >1,000, Deduct	-1.25	
09 22 16 13-0018	SF		8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	11.09	1.16
			For Powder-Actuated Fasteners Every 2', Add	0.07	
			For Walls >10' High, Add	2.22	
			For Soffit, Columns Or Beams Up To 10' High, Add	3.41	
			For Soffit, Columns Or Beams >10' High, Add	4.27	
			For Horizontal Installation Up To 10' High, Add	1.54	
			For Horizontal Installation >10' High, Add	1.83	
			For Curved Wall, Add	0.86	
			For 12" On Center, Add	2.07	
			For 24" On Center, Deduct	-2.07	
			For Up To 100, Add	2.79	
			For >100 To 300, Add	1.40	
			For >1,000, Deduct	-1.38	

09 22 16 13-0019 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)

09 22 16 13-0020	SF		2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.82	0.96
			For Powder-Actuated Fasteners Every 2', Add	0.07	
			For Walls >10' High, Add	1.36	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.63	
			For Soffit, Columns Or Beams >10' High, Add	3.36	
			For Horizontal Installation Up To 10' High, Add	1.05	
			For Horizontal Installation >10' High, Add	1.29	
			For Curved Wall, Add	0.73	
			For 12" On Center, Add	1.24	
			For 24" On Center, Deduct	-1.24	
			For Up To 100, Add	1.85	
			For >100 To 300, Add	0.93	
			For >1,000, Deduct	-0.78	
09 22 16 13-0021	SF		3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.10	1.01
			For Powder-Actuated Fasteners Every 2', Add	0.07	
			For Walls >10' High, Add	1.62	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.84	
			For Soffit, Columns Or Beams >10' High, Add	3.60	
			For Horizontal Installation Up To 10' High, Add	1.19	
			For Horizontal Installation >10' High, Add	1.45	
			For Curved Wall, Add	0.76	
			For 12" On Center, Add	1.49	
			For 24" On Center, Deduct	-1.49	
			For Up To 100, Add	2.13	
			For >100 To 300, Add	1.06	
			For >1,000, Deduct	-0.96	
09 22 16 13-0022	SF		4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	8.58	1.06
			For Powder-Actuated Fasteners Every 2', Add	0.07	
			For Walls >10' High, Add	1.72	
			For Soffit, Columns Or Beams Up To 10' High, Add	2.99	
			For Soffit, Columns Or Beams >10' High, Add	3.80	
			For Horizontal Installation Up To 10' High, Add	1.26	
			For Horizontal Installation >10' High, Add	1.53	
			For Curved Wall, Add	0.80	
			For 12" On Center, Add	1.58	
			For 24" On Center, Deduct	-1.58	
			For Up To 100, Add	2.25	
			For >100 To 300, Add	1.13	
			For >1,000, Deduct	-1.02	

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	11.00	1.12
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	2.20	
		For Soffit, Columns Or Beams Up To 10' High, Add	3.34	
		For Soffit, Columns Or Beams >10' High, Add	4.18	
		For Horizontal Installation Up To 10' High, Add	1.52	
		For Horizontal Installation >10' High, Add	1.80	
		For Curved Wall, Add	0.84	
		For 12" On Center, Add	2.06	
		For 24" On Center, Deduct	-2.06	
		For Up To 100, Add	2.76	
		For >100 To 300, Add	1.38	
		For >1,000, Deduct	-1.37	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	12.16	1.19
		For Powder-Actuated Fasteners Every 2', Add	0.07	
		For Walls >10' High, Add	2.43	
		For Soffit, Columns Or Beams Up To 10' High, Add	3.57	
		For Soffit, Columns Or Beams >10' High, Add	4.45	
		For Horizontal Installation Up To 10' High, Add	1.66	
		For Horizontal Installation >10' High, Add	1.95	
		For Curved Wall, Add	0.88	
		For 12" On Center, Add	2.29	
		For 24" On Center, Deduct	-2.29	
		For Up To 100, Add	3.02	
		For >100 To 300, Add	1.51	
		For >1,000, Deduct	-1.53	

09 22 16 13-0025 Galvanized Steel Backing Plates (09 22 16 13)

Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.

09 22 16 13-0026	LF	3" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.67	
09 22 16 13-0027	LF	4" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.04	
09 22 16 13-0028	LF	6" Wide, 25 Gauge Galvanized Steel Backing Plate.....	2.59	
09 22 16 13-0029	LF	8" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.18	
09 22 16 13-0030	LF	10" Wide, 25 Gauge Galvanized Steel Backing Plate.....	3.74	
09 22 16 13-0031	LF	12" Wide, 25 Gauge Galvanized Steel Backing Plate.....	4.45	
09 22 16 13-0032	LF	3" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.13	
09 22 16 13-0033	LF	4" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.63	
09 22 16 13-0034	LF	6" Wide, 20 Gauge Galvanized Steel Backing Plate.....	3.48	
09 22 16 13-0035	LF	8" Wide, 20 Gauge Galvanized Steel Backing Plate.....	4.35	
09 22 16 13-0036	LF	10" Wide, 20 Gauge Galvanized Steel Backing Plate.....	5.23	
09 22 16 13-0037	LF	12" Wide, 20 Gauge Galvanized Steel Backing Plate.....	6.21	
09 22 16 13-0038	LF	3" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.88	
09 22 16 13-0039	LF	4" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.57	
09 22 16 13-0040	LF	6" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.83	
09 22 16 13-0041	LF	8" Wide, 16 Gauge Galvanized Steel Backing Plate.....	6.09	
09 22 16 13-0042	LF	10" Wide, 16 Gauge Galvanized Steel Backing Plate.....	7.45	
09 22 16 13-0043	LF	12" Wide, 16 Gauge Galvanized Steel Backing Plate.....	8.77	
09 22 16 13-0044	LF	3" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.39	
09 22 16 13-0045	LF	4" Wide, 14 Gauge Galvanized Steel Backing Plate.....	4.24	
09 22 16 13-0046	LF	6" Wide, 14 Gauge Galvanized Steel Backing Plate.....	5.83	
09 22 16 13-0047	LF	8" Wide, 14 Gauge Galvanized Steel Backing Plate.....	7.42	
09 22 16 13-0048	LF	10" Wide, 14 Gauge Galvanized Steel Backing Plate.....	9.12	
09 22 16 13-0049	LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate.....	10.77	

09 22 36 Lath (09 22)**09 22 36 13 Gypsum Lath (09 22 36)****09 22 36 13-0001 Plaster Base Gypsum Panels (09 22 36 13)**

09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.71	0.57
		For Walls >10' High, Add	0.14	
		For Up To 100, Add	0.58	
		For >100 To 500, Add	0.29	
		For >5,000, Deduct	-0.12	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.36	0.66
		For Walls >10' High, Add	0.17	
		For Up To 100, Add	0.67	
		For >100 To 500, Add	0.33	
		For >5,000, Deduct	-0.13	
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	3.00	0.76
		For Walls >10' High, Add	0.19	
		For Up To 100, Add	0.76	
		For >100 To 500, Add	0.38	
		For >5,000, Deduct	-0.15	
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.16	0.80
		For Ceilings >10' High, Add	0.24	
		For Up To 100, Add	0.80	
		For >100 To 500, Add	0.40	
		For >5,000, Deduct	-0.16	
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.88	0.92
		For Ceilings >10' High, Add	0.28	
		For Up To 100, Add	0.93	
		For >100 To 500, Add	0.46	
		For >5,000, Deduct	-0.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0007	SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	3.61	1.06	
		For Ceilings >10' High, Add	0.32		
		For Up To 100, Add	1.06		
		For >100 To 500, Add	0.53		
		For >5,000, Deduct	-0.21		
09 22 36 13-0008	SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.62	1.02	
		For Columns And Beams >10' High, Add	0.31		
		For Up To 100, Add	1.03		
		For >100 To 500, Add	0.52		
		For >5,000, Deduct	-0.21		
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	3.41	1.19	
		For Columns And Beams >10' High, Add	0.36		
		For Up To 100, Add	1.19		
		For >100 To 500, Add	0.60		
		For >5,000, Deduct	-0.24		
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	4.21	1.38	
		For Columns And Beams >10' High, Add	0.41		
		For Up To 100, Add	1.36		
		For >100 To 500, Add	0.68		
		For >5,000, Deduct	-0.27		
09 22 36 13-0011 Firestop Plaster Base Gypsum Panels (09 22 36 13)					
09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	2.38	0.57	
		For Walls >10' High, Add	0.14		
		For Up To 100, Add	0.58		
		For >100 To 500, Add	0.29		
		For >5,000, Deduct	-0.12		
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	2.77	0.66	
		For Walls >10' High, Add	0.17		
		For Up To 100, Add	0.67		
		For >100 To 500, Add	0.33		
		For >5,000, Deduct	-0.13		
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	2.83	0.80	
		For Ceilings >10' High, Add	0.24		
		For Up To 100, Add	0.80		
		For >100 To 500, Add	0.40		
		For >5,000, Deduct	-0.16		
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	3.29	0.92	
		For Ceilings >10' High, Add	0.28		
		For Up To 100, Add	0.93		
		For >100 To 500, Add	0.46		
		For >5,000, Deduct	-0.19		
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	3.29	1.02	
		For Columns And Beams >10' High, Add	0.31		
		For Up To 100, Add	1.03		
		For >100 To 500, Add	0.52		
		For >5,000, Deduct	-0.21		
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	3.82	1.19	
		For Columns And Beams >10' High, Add	0.36		
		For Up To 100, Add	1.19		
		For >100 To 500, Add	0.60		
		For >5,000, Deduct	-0.24		
09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels (09 22 36 13)					
09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	2.38	0.57	
		For Walls >10' High, Add	0.14		
		For Up To 100, Add	0.58		
		For >100 To 500, Add	0.29		
		For >5,000, Deduct	-0.12		
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	2.77	0.66	
		For Walls >10' High, Add	0.17		
		For Up To 100, Add	0.67		
		For >100 To 500, Add	0.33		
		For >5,000, Deduct	-0.13		
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.83	0.80	
		For Ceilings >10' High, Add	0.24		
		For Up To 100, Add	0.80		
		For >100 To 500, Add	0.40		
		For >5,000, Deduct	-0.16		
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	3.29	0.92	
		For Ceilings >10' High, Add	0.28		
		For Up To 100, Add	0.93		
		For >100 To 500, Add	0.46		
		For >5,000, Deduct	-0.19		
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	3.29	1.02	
		For Columns And Beams >10' High, Add	0.31		
		For Up To 100, Add	1.03		
		For >100 To 500, Add	0.52		
		For >5,000, Deduct	-0.21		
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	3.82	1.19	
		For Columns And Beams >10' High, Add	0.36		
		For Up To 100, Add	1.19		
		For >100 To 500, Add	0.60		
		For >5,000, Deduct	-0.24		
09 22 36 23 Metal Lath (09 22 36)					

09 Finishes**09 20 Plaster and Gypsum Board****09 22 Supports for Plaster and Gypsum Board**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 22 36 23-0001	Flat Diamond, Expanded Metal Lath (09 22 36 23)			
09 22 36 23-0002	SF 1.75 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.81		0.79
	For Walls >10' High, Add	0.22		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	0.89		
	For >100 To 500, Add	0.44		
	For >5,000, Deduct	-0.18		
09 22 36 23-0003	SF 2 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	2.94		0.79
	For Walls >10' High, Add	0.22		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	0.89		
	For >100 To 500, Add	0.44		
	For >5,000, Deduct	-0.18		
09 22 36 23-0004	SF 2.5 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	3.07		0.79
	For Walls >10' High, Add	0.22		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	0.89		
	For >100 To 500, Add	0.44		
	For >5,000, Deduct	-0.18		
09 22 36 23-0005	SF 3.4 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	3.52		0.84
	For Walls >10' High, Add	0.24		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	0.94		
	For >100 To 500, Add	0.47		
	For >5,000, Deduct	-0.19		
09 22 36 23-0006	SF 1.75 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.06		0.90
	For Ceilings >10' High, Add	0.30		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	1.01		
	For >100 To 500, Add	0.51		
	For >5,000, Deduct	-0.20		
09 22 36 23-0007	SF 2 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.19		0.90
	For Ceilings >10' High, Add	0.30		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	1.01		
	For >100 To 500, Add	0.51		
	For >5,000, Deduct	-0.20		
09 22 36 23-0008	SF 2.5 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.32		0.90
	For Ceilings >10' High, Add	0.30		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	1.01		
	For >100 To 500, Add	0.51		
	For >5,000, Deduct	-0.20		
09 22 36 23-0009	SF 3.4 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.66		0.90
	For Ceilings >10' High, Add	0.30		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	1.01		
	For >100 To 500, Add	0.51		
	For >5,000, Deduct	-0.20		
09 22 36 23-0010	SF 1.75 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.04		1.27
	For Columns And Beams >10' High, Add	0.42		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	1.41		
	For >100 To 500, Add	0.71		
	For >5,000, Deduct	-0.28		
09 22 36 23-0011	SF 2 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.17		1.27
	For Columns And Beams >10' High, Add	0.42		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	1.41		
	For >100 To 500, Add	0.71		
	For >5,000, Deduct	-0.28		
09 22 36 23-0012	SF 2.5 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.30		1.27
	For Columns And Beams >10' High, Add	0.42		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	1.41		
	For >100 To 500, Add	0.71		
	For >5,000, Deduct	-0.28		
09 22 36 23-0013	SF 3.4 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	5.35		1.60
	For Columns And Beams >10' High, Add	0.53		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	1.77		
	For >100 To 500, Add	0.88		
	For >5,000, Deduct	-0.35		
09 22 36 23-0014	Self-Furring, Flat Diamond, Expanded Metal Lath (09 22 36 23)			
09 22 36 23-0015	SF 1.75 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	2.92		0.84
	For Walls >10' High, Add	0.24		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	0.94		
	For >100 To 500, Add	0.47		
	For >5,000, Deduct	-0.19		
09 22 36 23-0016	SF 2.0 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.05		0.84
	For Walls >10' High, Add	0.24		
	For Paper Backed Lath, Add	0.06		
	For Up To 100, Add	0.94		
	For >100 To 500, Add	0.47		
	For >5,000, Deduct	-0.19		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0017	SF	2.5 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.18	0.84
		For Walls >10' High, Add	0.24	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	0.94	
		For >100 To 500, Add	0.47	
		For >5,000, Deduct	-0.19	
09 22 36 23-0018	SF	3.4 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.52	0.84
		For Walls >10' High, Add	0.24	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	0.94	
		For >100 To 500, Add	0.47	
		For >5,000, Deduct	-0.19	
09 22 36 23-0019	SF	1.75 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath.....	4.75	1.60
		For Columns And Beams >10' High, Add	0.53	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	1.77	
		For >100 To 500, Add	0.88	
		For >5,000, Deduct	-0.35	
09 22 36 23-0020	SF	2.0 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath.....	4.88	1.60
		For Columns And Beams >10' High, Add	0.53	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	1.77	
		For >100 To 500, Add	0.88	
		For >5,000, Deduct	-0.35	
09 22 36 23-0021	SF	2.5 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath.....	5.01	1.60
		For Columns And Beams >10' High, Add	0.53	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	1.77	
		For >100 To 500, Add	0.88	
		For >5,000, Deduct	-0.35	
09 22 36 23-0022	SF	3.4 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath.....	5.85	1.82
		For Columns And Beams >10' High, Add	0.60	
		For Paper Backed Lath, Add	0.06	
		For Up To 100, Add	2.02	
		For >100 To 500, Add	1.01	
		For >5,000, Deduct	-0.40	
09 22 36 23-0023 High Rib Metal Lath (09 22 36 23)				
09 22 36 23-0024	SF	2.75 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.43	0.90
		For Ceilings >10' High, Add	0.30	
		For Up To 100, Add	1.01	
		For >100 To 500, Add	0.51	
		For >5,000, Deduct	-0.20	
09 22 36 23-0025	SF	3.4 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.62	0.90
		For Ceilings >10' High, Add	0.30	
		For Up To 100, Add	1.01	
		For >100 To 500, Add	0.51	
		For >5,000, Deduct	-0.20	
09 22 36 23-0026	SF	3.4 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.74	0.90
		For Ceilings >10' High, Add	0.30	
		For Up To 100, Add	1.01	
		For >100 To 500, Add	0.51	
		For >5,000, Deduct	-0.20	
09 22 36 23-0027	SF	4.0 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.96	0.90
		For Ceilings >10' High, Add	0.30	
		For Up To 100, Add	1.01	
		For >100 To 500, Add	0.51	
		For >5,000, Deduct	-0.20	
09 22 36 33 Fiberglass Lath (09 22 36)				
09 22 36 33-0001 Non-Metallic, Fiberglass Lath (09 22 36 33)				
09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	3.74	0.90
		For Ceilings >10' High, Add	0.30	
		For Up To 100, Add	1.01	
		For >100 To 500, Add	0.51	
		For >5,000, Deduct	-0.20	
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath.....	3.99	0.90
		For Ceilings >10' High, Add	0.30	
		For Up To 100, Add	1.01	
		For >100 To 500, Add	0.51	
		For >5,000, Deduct	-0.20	
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.60	0.84
		For Walls >10' High, Add	0.24	
		For Up To 100, Add	0.94	
		For >100 To 500, Add	0.47	
		For >5,000, Deduct	-0.19	
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.85	0.84
		For Walls >10' High, Add	0.24	
		For Up To 100, Add	0.94	
		For >100 To 500, Add	0.47	
		For >5,000, Deduct	-0.19	

09 23 Gypsum Plastering (09 20)

09 23 13 Acoustical Gypsum Plastering (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for

09 Finishes**09 20 Plaster and Gypsum Board****09 23 Gypsum Plastering**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

lath.

09 23 13 00-0001 Casing And Corner Beads (09 23 13)			
09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications.....	5.23 1.27
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications.....	5.24 1.27
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications.....	5.57 1.27
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications.....	5.03 1.27
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications.....	5.07 1.27
09 23 13 00-0007 Trim (09 23 13)			
09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications.....	5.62 1.27
		For Vinyl Instead Of Galvanized, Add	0.33
		For Zinc Instead Of Galvanized, Add	2.21
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications.....	5.62 1.27
		For Vinyl Instead Of Galvanized, Add	0.33
		For Zinc Instead Of Galvanized, Add	2.21
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications.....	5.62 1.27
		For Vinyl Instead Of Galvanized, Add	0.33
		For Zinc Instead Of Galvanized, Add	2.21
09 23 13 00-0011 Plaster Forms And Expansion Joints (09 23 13)			
09 23 13 00-0012	LF	3/4" Galvanized Expansion Joint For Plaster Applications.....	6.16 1.27
09 23 13 00-0013 One Skim Coat Gypsum Plaster On Walls (09 23 13)			
09 23 13 00-0014	SF	Skim Coat One Coat Gypsum Plaster On Walls.....	1.48
		For Walls >10' High, Add	0.13
		For Horizontal Installation Up To 10' High, Add	0.19
		For Horizontal Installation >10' High, Add	0.38
		For Columns Or Beams Up To 10' High, Add	0.40
		For Columns Or Beams >10' High, Add	0.59
		For Up To 100, Add	0.64
		For >100 To 500, Add	0.32
		For >5,000, Deduct	-0.26
09 23 13 00-0015	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls.....	1.07
		For Walls >10' High, Add	0.09
		For Horizontal Installation Up To 10' High, Add	0.14
		For Horizontal Installation >10' High, Add	0.28
		For Columns Or Beams Up To 10' High, Add	0.29
		For Columns Or Beams >10' High, Add	0.42
		For Up To 100, Add	0.46
		For >100 To 500, Add	0.23
		For >5,000, Deduct	-0.18
09 23 13 00-0016 Two Coats Gypsum Plaster On Walls (09 23 13)			
09 23 13 00-0017	SF	Smooth Finish Two Coats Gypsum Plaster On Walls.....	7.40 4.27
		For Walls >10' High, Add	0.70
		For Horizontal Installation Up To 10' High, Add	1.06
		For Horizontal Installation >10' High, Add	2.11
		For Columns Or Beams Up To 10' High, Add	2.18
		For Columns Or Beams >10' High, Add	3.24
		For Up To 100, Add	3.52
		For >100 To 500, Add	1.76
		For >5,000, Deduct	-1.41
09 23 13 00-0018	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls.....	7.51 4.03
		For Walls >10' High, Add	0.66
		For Horizontal Installation Up To 10' High, Add	0.99
		For Horizontal Installation >10' High, Add	1.98
		For Columns Or Beams Up To 10' High, Add	2.05
		For Columns Or Beams >10' High, Add	3.04
		For Up To 100, Add	3.30
		For >100 To 500, Add	1.65
		For >5,000, Deduct	-1.32
09 23 13 00-0019	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls.....	7.55 4.03
		For Walls >10' High, Add	0.66
		For Horizontal Installation Up To 10' High, Add	0.99
		For Horizontal Installation >10' High, Add	1.98
		For Columns Or Beams Up To 10' High, Add	2.05
		For Columns Or Beams >10' High, Add	3.04
		For Up To 100, Add	3.30
		For >100 To 500, Add	1.65
		For >5,000, Deduct	-1.32
09 23 13 00-0020 Three Coats Gypsum Plaster On Walls (09 23 13)			
09 23 13 00-0021	SF	Smooth Finish Three Coats Gypsum Plaster On Walls.....	8.92 5.19
		For Walls >10' High, Add	0.84
		For Horizontal Installation Up To 10' High, Add	1.26
		For Horizontal Installation >10' High, Add	2.52
		For Columns Or Beams Up To 10' High, Add	2.60
		For Columns Or Beams >10' High, Add	3.86
		For Up To 100, Add	4.20
		For >100 To 500, Add	2.10
		For >5,000, Deduct	-1.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 23 13 00-0022	SF		Sand Aggregate Three Coats Gypsum Plaster On Walls	8.88	4.73
			For Walls >10' High, Add	0.78	
			For Horizontal Installation Up To 10' High, Add	1.17	
			For Horizontal Installation >10' High, Add	2.34	
			For Columns Or Beams Up To 10' High, Add	2.42	
			For Columns Or Beams >10' High, Add	3.59	
			For Up To 100, Add	3.90	
			For >100 To 500, Add	1.95	
			For >5,000, Deduct	-1.56	
09 23 13 00-0023	SF		Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	8.40	4.73
			For Walls >10' High, Add	0.78	
			For Horizontal Installation Up To 10' High, Add	1.16	
			For Horizontal Installation >10' High, Add	2.33	
			For Columns Or Beams Up To 10' High, Add	2.41	
			For Columns Or Beams >10' High, Add	3.57	
			For Up To 100, Add	3.88	
			For >100 To 500, Add	1.94	
			For >5,000, Deduct	-1.55	

09 23 13 00-0024 Plaster Bonding Agent (09 23 13)

09 23 13 00-0025	SF		1 Coat, Brush/Roller Applied Plaster Bonding Agent	0.83	
			For Walls >10' High, Add	0.07	
			For Columns Or Beams Up To 10' High, Add	0.20	
			For Columns Or Beams >10' High, Add	0.30	
			For Ceiling Application Up To 10' High, Add	0.09	
			For Ceiling Application >10' High, Add	0.16	

09 24 Cement Plastering (09 20)

09 24 13 Acoustical Cement Plastering (09 24)

09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster (09 24 13)

Note: Used for areas with higher than normal moisture.

09 24 13 00-0002	SF		1 Coat Keene's Cement Plaster On Walls	5.75	2.88
			For Walls >10' High, Add	0.46	
			For Horizontal Installation Up To 10' High, Add	0.69	
			For Horizontal Installation >10' High, Add	1.38	
			For Columns Or Beams Up To 10' High, Add	1.43	
			For Columns Or Beams >10' High, Add	2.12	
			For Up To 100, Add	2.31	
			For >100 To 500, Add	1.15	
			For >5,000, Deduct	-0.92	
09 24 13 00-0003	SF		2 Coat Keene's Cement Plaster On Walls	8.75	4.50
			For Walls >10' High, Add	0.73	
			For Horizontal Installation Up To 10' High, Add	1.10	
			For Horizontal Installation >10' High, Add	2.19	
			For Columns Or Beams Up To 10' High, Add	2.27	
			For Columns Or Beams >10' High, Add	3.36	
			For Up To 100, Add	3.66	
			For >100 To 500, Add	1.83	
			For >5,000, Deduct	-1.46	
09 24 13 00-0004	SF		3 Coat Keene's Cement Plaster On Walls	9.90	5.08
			For Walls >10' High, Add	0.83	
			For Horizontal Installation Up To 10' High, Add	1.24	
			For Horizontal Installation >10' High, Add	2.48	
			For Columns Or Beams Up To 10' High, Add	2.56	
			For Columns Or Beams >10' High, Add	3.80	
			For Up To 100, Add	4.14	
			For >100 To 500, Add	2.07	
			For >5,000, Deduct	-1.65	

09 24 23 Cement Stucco (09 24)

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco (09 24 23)

Note: Excludes wall scaffolding or lifting equipment. See CSI section 09 22 36 00-0000 for lath.

09 24 23 00-0002	SF		Scratch/Brown/Finish, Three Coat Troweled Stucco	11.07	3.58
			Note: Excludes lath and felt. Interior or exterior, one side.		
			For Walls >10' High, Add	0.98	
			For Horizontal Installation Up To 10' High, Add	1.47	
			For Horizontal Installation >10' High, Add	2.93	
			For Columns Or Beams Up To 10' High, Add	3.03	
			For Columns Or Beams >10' High, Add	4.49	
			For Color Added To Finish Coat, Add	0.15	
			For Smooth Float Finish, Add	2.05	
			For Up To 100, Add	4.89	
			For >100 To 500, Add	2.44	
			For >5,000, Deduct	-1.95	

09 Finishes**09 20 Plaster and Gypsum Board****09 24 Cement Plastering**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 24 23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco.....	4.72	1.73
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	0.36	
		For Horizontal Installation Up To 10' High, Add	0.54	
		For Horizontal Installation >10' High, Add	1.07	
		For Columns Or Beams Up To 10' High, Add	1.11	
		For Columns Or Beams >10' High, Add	1.65	
		For Up To 100, Add	1.79	
		For >100 To 500, Add	0.90	
		For >5,000, Deduct	-0.72	
09 24 23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco	7.29	1.73
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	0.63	
		For Horizontal Installation Up To 10' High, Add	0.95	
		For Horizontal Installation >10' High, Add	1.90	
		For Columns Or Beams Up To 10' High, Add	1.97	
		For Columns Or Beams >10' High, Add	2.92	
		For Color Added To Finish Coat, Add	0.15	
		For Smooth Float Finish, Add	1.74	
		For Up To 100, Add	3.17	
		For >100 To 500, Add	1.59	
		For >5,000, Deduct	-1.27	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco	4.77	1.15
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	0.46	
		For Horizontal Installation Up To 10' High, Add	0.69	
		For Horizontal Installation >10' High, Add	1.38	
		For Columns Or Beams Up To 10' High, Add	1.43	
		For Columns Or Beams >10' High, Add	2.12	
		For Color Added To Finish Coat, Add	0.15	
		For Smooth Float Finish, Add	1.74	
		For Up To 100, Add	2.31	
		For >100 To 500, Add	1.15	
		For >5,000, Deduct	-0.92	

09 24 33 Cement Parging (09 24)**09 24 33 00-0001 Cement Parging (09 24 33)**

09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	4.22	
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	5.39	
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	8.26	

09 28 Backing Boards and Underlayments (09 20)**09 28 13 Cementitious Backing Boards (09 28)****09 28 13 00-0001 Cementitious Backer Units (09 28 13)**

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	4.48	0.85
		For Up To 50, Add	3.66	
		For >50 To 250, Add	0.68	
		For >1,000, Deduct	-0.34	
		For Installation On Wall, Add	0.68	
		For Installation On Ceiling, Add	1.70	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	5.19	1.02
		For Up To 50, Add	4.35	
		For >50 To 250, Add	0.81	
		For >1,000, Deduct	-0.41	
		For Installation On Wall, Add	0.81	
		For Installation On Ceiling, Add	2.04	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	6.32	1.19
		For Up To 50, Add	5.14	
		For >50 To 250, Add	0.95	
		For >1,000, Deduct	-0.48	
		For Installation On Wall, Add	0.95	
		For Installation On Ceiling, Add	2.38	

09 28 16 Glass-Mat Faced Gypsum Backing Boards (09 28)**09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield (09 28 16)**

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" DensShield Tile Backer For Installation On Floors	3.91	0.95
		For Up To 50, Add	2.81	
		For >50 To 250, Add	0.49	
		For >1,000, Deduct	-0.24	
		For Installation On Wall, Add	0.49	
		For Installation On Ceiling, Add	1.22	
09 28 16 00-0003	SF	5/8" DensShield Tile Backer For Installation On Floors	4.75	1.09
		For Up To 50, Add	3.23	
		For >50 To 250, Add	0.54	
		For >1,000, Deduct	-0.27	
		For Installation On Wall, Add	0.54	
		For Installation On Ceiling, Add	1.36	

Finishes			09
Plaster and Gypsum Board			09 20
Gypsum Board			09 29
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT DEMOLITION
			UNIT COST UNIT COST

09 29 Gypsum Board (09 20)

Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 29 10 Gypsum Board (09 29)

09 29 10 00-0001 Standard Gypsum Board Application (09 29 10)

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002 Standard Gypsum Board Application (09 29 10 00-0001)

09 29 10 00-0003	SF	1/4" Gypsum Board.....	1.60	0.54
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.26	
		For Adhesive Applied Sheets, Add	0.11	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	0.37	
		For Horizontal Installation >10' High, Add	0.55	
		For Walls >10' High, Add	0.09	
		For Up To 128, Add	0.54	
		For >128 To 320, Add	0.32	
		For >1,536, Deduct	-0.13	
09 29 10 00-0004	SF	3/8" Gypsum Board.....	1.73	0.61
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.29	
		For Adhesive Applied Sheets, Add	0.12	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	0.10	
		For Horizontal Installation Up To 10' High, Add	0.41	
		For Horizontal Installation >10' High, Add	0.61	
		For Walls >10' High, Add	0.10	
		For Up To 128, Add	0.59	
		For >128 To 320, Add	0.36	
		For >1,536, Deduct	-0.14	
09 29 10 00-0005	SF	1/2" Gypsum Board.....	1.91	0.70
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33	
		For Adhesive Applied Sheets, Add	0.13	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	0.10	
		For Horizontal Installation Up To 10' High, Add	0.48	
		For Horizontal Installation >10' High, Add	0.71	
		For Walls >10' High, Add	0.11	
		For Up To 128, Add	0.66	
		For >128 To 320, Add	0.40	
		For >1,536, Deduct	-0.15	
09 29 10 00-0006	SF	5/8" Gypsum Board.....	2.25	0.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.38	
		For Adhesive Applied Sheets, Add	0.14	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	0.10	
		For Horizontal Installation Up To 10' High, Add	0.55	
		For Horizontal Installation >10' High, Add	0.81	
		For Walls >10' High, Add	0.13	
		For Up To 128, Add	0.77	
		For >128 To 320, Add	0.47	
		For >1,536, Deduct	-0.18	

09 29 10 00-0007 Fire Rated Gypsum Board Application (09 29 10 00-0001)

09 29 10 00-0008 Type X, Fire Rated Gypsum Board (09 29 10 00-0007)

09 29 10 00-0009	SF	5/8" Type X Fire Rated Gypsum Board.....	2.39	0.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.42	
		For Adhesive Applied Sheets, Add	0.15	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	0.10	
		For Horizontal Installation Up To 10' High, Add	0.61	
		For Horizontal Installation >10' High, Add	0.89	
		For Walls >10' High, Add	0.14	
		For Up To 128, Add	0.83	
		For >128 To 320, Add	0.51	
		For >1,536, Deduct	-0.18	

09 29 10 00-0010 Type C, Fire Rated Gypsum Board (09 29 10 00-0007)

09 29 10 00-0011	SF	1/2" Type C Fire Rated Gypsum Board	2.19	0.70
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
		For Adhesive Applied Sheets, Add	0.14	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	0.10	
		For Horizontal Installation Up To 10' High, Add	0.53	
		For Horizontal Installation >10' High, Add	0.78	
		For Walls >10' High, Add	0.12	
		For Up To 128, Add	0.75	
		For >128 To 320, Add	0.45	
		For >1,536, Deduct	-0.17	

09 Finishes**09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 29 10 00-0012	SF 5/8" Type C Fire Rated Gypsum Board	2.47	0.80	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.42		
	For Adhesive Applied Sheets, Add	0.15		
	Note: Includes bracing until adhesive is bonded			
	For Foil Back Board, Add	0.10		
	For Horizontal Installation Up To 10' High, Add	0.61		
	For Horizontal Installation >10' High, Add	0.89		
	For Walls >10' High, Add	0.14		
	For Up To 128, Add	0.85		
	For >128 To 320, Add	0.51		
	For >1,536, Deduct	-0.19		
09 29 10 00-0013	Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0007)			
09 29 10 00-0014	SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	3.34	0.80	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.43		
	For Adhesive Applied Sheets, Add	0.15		
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.61		
	For Horizontal Installation >10' High, Add	0.89		
	For Walls >10' High, Add	0.14		
	For Up To 128, Add	1.02		
	For >128 To 320, Add	0.60		
	For >1,536, Deduct	-0.32		
09 29 10 00-0015	Moisture Resistant Gypsum Board Application (09 29 10 00-0001)			
	Note: Water-resistant gypsum core.			
09 29 10 00-0016	SF 1/2" Moisture Resistant Gypsum Board	2.08	0.70	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33		
	For Adhesive Applied Sheets, Add	0.13		
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.48		
	For Horizontal Installation >10' High, Add	0.71		
	For Walls >10' High, Add	0.11		
	For Up To 128, Add	0.70		
	For >128 To 320, Add	0.42		
	For >1,536, Deduct	-0.17		
09 29 10 00-0017	SF 5/8" Moisture Resistant Gypsum Board	2.68	0.70	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.38		
	For Adhesive Applied Sheets, Add	0.14		
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.55		
	For Horizontal Installation >10' High, Add	0.81		
	For Walls >10' High, Add	0.13		
	For Up To 128, Add	0.86		
	For >128 To 320, Add	0.51		
	For >1,536, Deduct	-0.24		
09 29 10 00-0018	Vinyl Faced Gypsum Board Application (09 29 10 00-0001)			
	Note: Includes clips and adhesive.			
09 29 10 00-0019	SF 3/8" Prefinished, Vinyl Faced Gypsum Board	4.03	0.54	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31		
	For Adhesive Applied Sheets, Add	0.12		
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.41		
	For Horizontal Installation >10' High, Add	0.61		
	For Walls >10' High, Add	0.10		
	For Up To 128, Add	1.05		
	For >128 To 320, Add	0.59		
	For >1,536, Deduct	-0.48		
09 29 10 00-0020	SF 1/2" Prefinished, Vinyl Faced Gypsum Board	4.22	0.70	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.35		
	For Adhesive Applied Sheets, Add	0.13		
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.48		
	For Horizontal Installation >10' High, Add	0.71		
	For Walls >10' High, Add	0.11		
	For Up To 128, Add	1.13		
	For >128 To 320, Add	0.63		
	For >1,536, Deduct	-0.49		
09 29 10 00-0021	SF 5/8" Prefinished, Vinyl Faced Gypsum Board	4.43	0.80	
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.40		
	For Adhesive Applied Sheets, Add	0.14		
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.55		
	For Horizontal Installation >10' High, Add	0.81		
	For Walls >10' High, Add	0.13		
	For Up To 128, Add	1.21		
	For >128 To 320, Add	0.69		
	For >1,536, Deduct	-0.50		

			Finishes		09
			Plaster and Gypsum Board		09 20
			Gypsum Board		09 29
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
09 29 10 00-0022	SF	1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.84	0.70	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.39		
		For Adhesive Applied Sheets, Add	0.14		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.53		
		For Horizontal Installation >10' High, Add	0.78		
		For Walls >10' High, Add	0.12		
		For Up To 128, Add	1.28		
		For >128 To 320, Add	0.72		
		For >1,536, Deduct	-0.57		
09 29 10 00-0023	SF	5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	7.25	0.80	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.46		
		For Adhesive Applied Sheets, Add	0.15		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.61		
		For Horizontal Installation >10' High, Add	0.89		
		For Walls >10' High, Add	0.14		
		For Up To 128, Add	1.81		
		For >128 To 320, Add	0.99		
		For >1,536, Deduct	-0.91		
09 29 10 00-0024		Moisture And Mold Resistant Gypsum Board Application (09 29 10 00-0001)			
09 29 10 00-0025	SF	1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.41	0.67	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33		
		For Adhesive Applied Sheets, Add	0.13		
		Note: Includes bracing until adhesive is bonded			
		For Non-reinforced Board, Deduct	-0.08		
		For Horizontal Installation Up To 10' High, Add	0.48		
		For Horizontal Installation >10' High, Add	0.71		
		For Walls >10' High, Add	0.11		
		For Up To 128, Add	0.76		
		For >128 To 320, Add	0.45		
		For >1,536, Deduct	-0.22		
09 29 10 00-0026	SF	5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.85	0.77	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.38		
		For Adhesive Applied Sheets, Add	0.14		
		Note: Includes bracing until adhesive is bonded			
		For Non-reinforced Board, Deduct	-0.08		
		For Horizontal Installation Up To 10' High, Add	0.55		
		For Horizontal Installation >10' High, Add	0.81		
		For Walls >10' High, Add	0.13		
		For Up To 128, Add	0.89		
		For >128 To 320, Add	0.53		
		For >1,536, Deduct	-0.27		
09 29 10 00-0027	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.85	0.67	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.37		
		For Adhesive Applied Sheets, Add	0.14		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.53		
		For Horizontal Installation >10' High, Add	0.78		
		For Walls >10' High, Add	0.12		
		For Up To 128, Add	0.88		
		For >128 To 320, Add	0.52		
		For >1,536, Deduct	-0.27		
09 29 10 00-0028	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	3.19	0.77	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.42		
		For Adhesive Applied Sheets, Add	0.15		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.61		
		For Horizontal Installation >10' High, Add	0.89		
		For Walls >10' High, Add	0.14		
		For Up To 128, Add	0.99		
		For >128 To 320, Add	0.59		
		For >1,536, Deduct	-0.30		
09 29 10 00-0029		Impact Resistant Gypsum Board (09 29 10 00-0001)			
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant			
09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®)	4.36	0.77	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.40		
		For Adhesive Applied Sheets, Add	0.14		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.54		
		For Horizontal Installation >10' High, Add	0.80		
		For Walls >10' High, Add	0.13		
		For Up To 128, Add	1.19		
		For >128 To 320, Add	0.68		
		For >1,536, Deduct	-0.49		
09 29 10 00-0031		Abuse Resistant Gypsum Board (09 29 10 00-0001)			
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant			

09 Finishes**09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®).....	2.91	0.77
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
		<i>For Adhesive Applied Sheets, Add</i>	0.14	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.54	
		<i>For Horizontal Installation >10' High, Add</i>	0.80	
		<i>For Walls >10' High, Add</i>	0.13	
		<i>For Up To 128, Add</i>	0.90	
		<i>For >128 To 320, Add</i>	0.53	
		<i>For >1,536, Deduct</i>	-0.28	

09 29 10 00-0033 Noise Reducing Gypsum Board (09 29 10 00-0001)

09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	5.29	0.81
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
		<i>For Adhesive Applied Sheets, Add</i>	0.14	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.55	
		<i>For Horizontal Installation >10' High, Add</i>	0.82	
		<i>For Walls >10' High, Add</i>	0.13	
		<i>For Up To 128, Add</i>	1.38	
		<i>For >128 To 320, Add</i>	0.77	
		<i>For >1,536, Deduct</i>	-0.63	
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	6.35	0.81
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
		<i>For Adhesive Applied Sheets, Add</i>	0.14	
		<i>Note: Includes bracing until adhesive is bonded</i>		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.55	
		<i>For Horizontal Installation >10' High, Add</i>	0.82	
		<i>For Walls >10' High, Add</i>	0.13	
		<i>For Up To 128, Add</i>	1.60	
		<i>For >128 To 320, Add</i>	0.88	
		<i>For >1,536, Deduct</i>	-0.79	

09 29 10 00-0036 Finishing Gypsum Board Applications (09 29 10)

Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.

09 29 10 00-0037 Finish Gypsum Board Walls, ASTM C840 Level 4 (09 29 10 00-0036)

09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.95	
		<i>For Up To 128, Add</i>	0.36	
		<i>For >128 To 320, Add</i>	0.22	
		<i>For >5,400, Deduct</i>	-0.10	
		<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.45	
		<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.22	
		<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.09	
		<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.70	
		<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.70	
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	1.25	
		<i>Note: Use this task for the entire wall area when the wall is >10' high.</i>		
		<i>For Up To 128, Add</i>	0.48	
		<i>For >128 To 320, Add</i>	0.30	
		<i>For >5,400, Deduct</i>	-0.13	
		<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.60	
		<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.30	
		<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.12	
		<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.92	
		<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.92	

09 29 10 00-0040 Finish Gypsum Board Ceilings, ASTM C840 Level 4 (09 29 10 00-0036)

09 29 10 00-0041	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	1.23	
		<i>For Up To 128, Add</i>	0.47	
		<i>For >128 To 320, Add</i>	0.29	
		<i>For >5,400, Deduct</i>	-0.12	
		<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.59	
		<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.29	
		<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.12	
		<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.91	
		<i>For Spray Applied Textured Or Orange Peel Finish, Add</i>	0.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0042	SF		>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high. For Up To 128, Add For >128 To 320, Add For >5,400, Deduct For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add For Spray Applied Textured Or Orange Peel Finish, Add	1.64 0.64 0.40 -0.16 -0.79 -0.40 -0.16 1.22 1.22	
09 29 10 00-0043			Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 (09 29 10 00-0036) Note: Inside or outside gypsum board corners.		
09 29 10 00-0044	LF		Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add	1.87 -0.87 -0.43 -0.18 1.37	
09 29 10 00-0045	LF		>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high. For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add	2.23 -1.05 -0.52 -0.21 1.64	
09 29 10 00-0046			Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 (09 29 10 00-0036) Note: Inside or outside gypsum board corners.		
09 29 10 00-0047	LF		Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add	2.17 -1.02 -0.51 -0.21 1.59	
09 29 10 00-0048	LF		>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high. For ASTM C840 Level 1 Finish, Deduct For ASTM C840 Level 2 Finish, Deduct For ASTM C840 Level 3 Finish, Deduct For ASTM C840 Level 5 High Quality Finish, Add	2.61 -1.24 -0.62 -0.25 1.92	
09 29 10 00-0049			Casing And Corner Beads (09 29 10)		
09 29 10 00-0050	LF		Casing, Galvanized Steel J-Bead For Gypsum Board For Up To 100, Add For >500, Deduct	5.12 0.39 -0.26	1.36
09 29 10 00-0051	LF		Corner Bead, Galvanized Steel For Gypsum Board For Up To 100, Add For >500, Deduct	4.75 0.32 -0.24	1.36
09 29 10 00-0052			Preformed Architectural Profiles (09 29 10)		
09 29 10 00-0053			Trim Reveals For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0054	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.48	1.63
09 29 10 00-0055	LF		1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.52	1.63
09 29 10 00-0056	LF		3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.72	1.63
09 29 10 00-0057	LF		1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.82	1.63
09 29 10 00-0058	LF		5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.07	1.63
09 29 10 00-0059	LF		3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.32	1.63
09 29 10 00-0060	LF		1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.56	1.63
09 29 10 00-0061	LF		1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.36	1.63
09 29 10 00-0062	LF		2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.15	1.63
09 29 10 00-0063	LF		1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.65	1.77
09 29 10 00-0064	LF		1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.65	1.77
09 29 10 00-0065	LF		3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.19	1.77
09 29 10 00-0066	LF		1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.29	1.77
09 29 10 00-0067	LF		5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.64	1.77
09 29 10 00-0068	LF		3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.78	1.77
09 29 10 00-0069	LF		1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.98	1.77
09 29 10 00-0070	LF		1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.87	1.77
09 29 10 00-0071	LF		2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.76	1.77
09 29 10 00-0072	LF		3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	13.37	2.03
09 29 10 00-0073	LF		4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	14.85	2.03
09 29 10 00-0074			Edge Trim For Gypsum Board (09 29 10 00-0052)		
09 29 10 00-0075	LF		1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	5.96	1.70
09 29 10 00-0076	LF		5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	6.36	1.70
09 29 10 00-0077	LF		1" Aluminum Extrusions, Edge Trim For Gypsum Board	7.43	1.87
09 29 10 00-0078	LF		1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	7.80	2.03
09 29 10 00-0079	LF		1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	10.91	1.70
09 29 10 00-0080	LF		5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	11.31	1.70
09 29 10 00-0081	LF		1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	12.38	1.87
09 29 10 00-0082	LF		1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	12.75	2.03

09 Finishes**09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 29 10 00-0083		Bevel Trim For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	6.36	1.70	
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	7.28	1.87	
09 29 10 00-0086		Trim/Wainscot Caps For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board.....	8.64	2.03	
09 29 10 00-0088		Single Fin Wall/Trim Reveals For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.13	1.09	
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	6.23	1.22	
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.18	1.36	
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.64	1.49	
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.06	1.63	
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.21	1.63	
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.65	1.63	
09 29 10 00-0096	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.49	1.63	
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.79	1.63	
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.64	1.77	
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	7.73	1.77	
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.28	1.77	
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.53	1.77	
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.72	1.77	
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.97	1.77	
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	9.32	1.77	
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	10.21	1.77	
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	10.95	1.77	
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	13.32	1.77	
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	17.88	1.77	
09 29 10 00-0109	LF	3/4" x 1/6" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	12.43	1.77	
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	12.83	1.77	
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	14.17	1.77	
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	14.31	1.77	
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	16.24	1.77	
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board.....	13.37	1.77	
09 29 10 00-0115		'V' Groove Wall Reveals For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	9.55	2.44	
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	10.94	2.72	
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	12.46	3.26	
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	12.70	3.53	
09 29 10 00-0120		Double Fin Wall Reveals For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.85	1.63	
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.95	1.63	
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.05	1.63	
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.05	1.63	
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.49	1.63	
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.69	1.61	
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.89	1.63	
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.33	1.63	
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.08	1.63	
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.87	1.63	
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.37	1.77	
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.47	1.77	
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.66	1.77	
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.11	1.77	
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.31	1.77	
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.46	1.77	
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	10.95	1.77	
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	11.74	1.77	
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	12.53	1.77	
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	14.66	1.77	
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	19.11	1.77	
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	17.21	1.93	
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	19.60	2.35	
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	20.24	2.35	
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	15.63	1.61	
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	14.60	2.35	
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board.....	10.48	1.61	
09 29 10 00-0148		Special Conditions Reveals For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0149		Radius Conditions (09 29 10 00-0148)			
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board.....	123.67		
		Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.			
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board.....	123.67		
		Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.			
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board.....	123.67		
		Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.			

			Finishes	09	2
			Plaster and Gypsum Board	09 20	
			Gypsum Board	09 29	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

09 29 10 00-0153		Knee Brace Kit (09 29 10 00-0148)			
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	271.35		16.95
09 29 10 00-0155		Wall Bumper Rail (09 29 10 00-0148)			
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	38.29		6.78
09 29 10 00-0157		Corners For Gypsum Board (09 29 10 00-0052)			
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.21		1.63
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.77		1.77
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	9.73		1.84
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.83		1.93
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.12		2.35
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	15.19		2.64
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	18.42		3.03
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	22.35		3.53
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	30.69		4.71
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	8.19		1.57
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	14.93		2.12
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	10.82		2.12
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	19.28		2.12
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	27.36		2.64
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	26.27		2.64
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	8.09		1.84
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	8.13		1.77
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	8.16		1.63
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	8.58		1.77
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	11.47		1.93
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.09		1.63
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.65		1.77
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	15.52		1.93
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	17.01		1.63
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board	29.32		3.53
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	31.30		3.53
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	57.88		5.88
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	95.83		8.34
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	9.76		1.81
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	11.12		1.90
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	13.37		2.32
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	16.38		2.61
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	23.12		2.99
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	25.02		3.48
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	28.52		4.64
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	18.19		3.48
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	18.44		3.48
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	20.02		3.48
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	20.52		3.48

09 29 82 Gypsum Board Fire Protection (09 29)

09 29 82 00-0001		Shaft Wall (09 29 82)			
		See CSI section 09 29 10 00-0036 for finishing drywall.			
09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly	8.38		3.39
		Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.			
		For Horizontal Installation Up To 10' High, Add	2.31		
		For Horizontal Installation >10' High, Add	3.39		
		For Walls >10' High, Add	0.54		
		For Up To 128, Add	3.03		
		For >128 To 320, Add	1.86		
		For >1,536, Deduct	-0.58		
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly	9.78		4.07
		Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.			
		For Horizontal Installation Up To 10' High, Add	2.77		
		For Horizontal Installation >10' High, Add	4.07		
		For Walls >10' High, Add	0.65		
		For Up To 128, Add	3.58		
		For >128 To 320, Add	2.20		
		For >1,536, Deduct	-0.65		
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	8.92		2.61
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.			
		For Horizontal Installation Up To 10' High, Add	1.77		
		For Horizontal Installation >10' High, Add	2.61		
		For Walls >10' High, Add	0.42		
		For Up To 128, Add	2.83		
		For >128 To 320, Add	1.68		
		For Glass Mat Surfaces, Add	0.36		

09 Finishes**09 20 Plaster and Gypsum Board****09 29 Gypsum Board**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	9.60	2.74
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	1.86	
		For Horizontal Installation >10' High, Add	2.74	
		For Walls >10' High, Add	0.44	
		For Up To 128, Add	3.02	
		For >128 To 320, Add	1.78	
		For Glass Mat Surfaces, Add	0.36	
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	10.72	2.74
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	1.86	
		For Horizontal Installation >10' High, Add	2.74	
		For Walls >10' High, Add	0.44	
		For Up To 128, Add	3.24	
		For >128 To 320, Add	1.89	
		For Glass Mat Surfaces, Add	0.36	
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	11.44	2.88
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	1.96	
		For Horizontal Installation >10' High, Add	2.88	
		For Walls >10' High, Add	0.46	
		For Up To 128, Add	3.44	
		For >128 To 320, Add	2.01	
		For Glass Mat Surfaces, Add	0.36	

09 30 Tiling⁽⁰⁹⁾

Note: All tiles are standard commercial grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods.

09 30 13 Ceramic Tiling^(09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling^(09 30 13)

09 30 13 00-0002	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile	18.03	3.42
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	9.62	
		For >50 To 250, Add	1.36	
		For >1,000, Deduct	-0.68	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.48	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.66	
09 30 13 00-0003	SF	Less Than 8" x 8", Mounted, Ceramic Floor Tile	12.66	3.42
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	8.28	
		For >50 To 250, Add	1.36	
		For >1,000, Deduct	-0.68	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.48	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.66	
09 30 13 00-0004	SF	8" x 8" And Larger Unmounted Ceramic Floor Tile	14.37	2.13
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	9.99	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.92	
09 30 13 00-0005	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile	19.49	4.14
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	11.08	
		For >50 To 250, Add	1.66	
		For >1,000, Deduct	-0.83	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.70	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.88	
09 30 13 00-0006	SF	Less Than 8" x 8" Mounted Ceramic Wall Tile	14.12	4.14
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	9.74	
		For >50 To 250, Add	1.66	
		For >1,000, Deduct	-0.83	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.70	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.88	
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Ceramic Wall Tile	16.31	2.62
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	11.93	
		For >50 To 250, Add	2.09	
		For >1,000, Deduct	-1.05	
		For High-Modulus, High-Strength Epoxy Grout, Add	2.03	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0008	SF		Less than 8" x 8" Mounted Ceramic Ceiling Tile..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add For Up To 50, Add For >50 To 250, Add For >1,000, Deduct	20.18 2.61 2.79 15.80 2.87 -1.43	7.17
09 30 13 00-0009	SF		8" x 8" And Larger Unmounted Ceramic Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add For Up To 50, Add For >50 To 250, Add For >1,000, Deduct	23.05 3.04 3.22 18.67 3.44 -1.72	4.30
09 30 13 00-0010	LF		4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	13.40 2.02 2.11	2.98
09 30 13 00-0011	LF		6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	21.89 2.02 2.11	2.98
09 30 13 00-0012	LF		6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	24.60 2.02 2.11	2.98
09 30 13 00-0013	EA		6" High, Unpolished Ceramic Cove Base Outer Corner.....	19.32	0.65
09 30 13 00-0014 Residential Ceramic Tiling (09 30 13)					
09 30 13 00-0015	SF		2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add	12.78 8.31 1.36 -0.68 1.48	3.42
09 30 16 Quarry Tiling (09 30)					
Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.					
09 30 16 00-0001	SF		Unglazed Quarry Floor Tile..... Note: With or without embedded abrasive grit. For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	13.89 10.64 1.91 -0.96 1.89 2.07	2.40
09 30 16 00-0002	SF		Glazed Quarry Floor Tile For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	27.62 14.07 1.91 -0.96 1.89 2.07	2.40
09 30 16 00-0003	SF		Unglazed Quarry Wall Tile..... Note: With or without embedded abrasive grit. For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	15.81 12.56 2.29 -1.15 2.18 2.36	2.84
09 30 16 00-0004	SF		Glazed Quarry Wall Tile..... For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	29.54 15.99 2.29 -1.15 2.18 2.36	2.84
09 30 16 00-0005	LF		6" High Unglazed Quarry Tile Cove Base Or Trim..... For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	19.51 2.12 2.21	3.16
09 30 16 00-0006	LF		6" High Glazed Quarry Tile Cove Base Or Trim For High-Modulus, High-Strength Epoxy Grout, Add For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	42.02 2.12 2.21	3.16
09 30 33 Stone Tiling (09 30)					
Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.					
09 30 33 00-0001 Marble Floor Tile (09 30 33)					
09 30 33 00-0002	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom" For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add For Heavy-Duty Floors With A PEI 5 Rating, Add	12.51 9.53 1.71 -0.85 1.74 1.00	2.13
09 30 33 00-0003	SF		12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown"..... For Up To 50, Add For >50 To 250, Add For >1,000, Deduct For High-Modulus, High-Strength Epoxy Grout, Add For Heavy-Duty Floors With A PEI 5 Rating, Add	12.88 9.62 1.71 -0.85 1.74 1.00	2.13

09 Finishes**09 30 Tiling****09 30 33 Stone Tiling**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 30 33 00-0004	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray"	13.08	2.13
		For Up To 50, Add	9.67	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0005	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe"	13.17	2.13
		For Up To 50, Add	9.69	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0006	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black"	13.22	2.13
		For Up To 50, Add	9.70	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0007	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed"	13.31	2.13
		For Up To 50, Add	9.73	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0008	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula"	13.51	2.13
		For Up To 50, Add	9.78	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0009	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green"	14.80	2.13
		For Up To 50, Add	10.10	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0010	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light"	14.94	2.13
		For Up To 50, Add	10.13	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0011	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream"	15.21	2.13
		For Up To 50, Add	10.20	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0012	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic"	15.51	2.13
		For Up To 50, Add	10.28	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0013	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara"	15.72	2.13
		For Up To 50, Add	10.33	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0014	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx"	16.44	2.13
		For Up To 50, Add	10.51	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0015	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest"	17.77	2.13
		For Up To 50, Add	10.84	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0016	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato"	17.86	2.13
		For Up To 50, Add	10.86	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0017	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White"	18.85	2.13
		For Up To 50, Add	11.11	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0018	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold"	19.19	2.13
		For Up To 50, Add	11.20	
		For >50 To 250, Add	1.71	
		For >1,000, Deduct	-0.85	
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0019	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo"	19.34	2.13
			For Up To 50, Add	11.23	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0020	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique"	19.56	2.13
			For Up To 50, Add	11.29	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0021	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass".....	21.41	2.13
			For Up To 50, Add	11.75	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0022	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Rosa Verona"	22.46	2.13
			For Up To 50, Add	12.01	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0023	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Rojo Alicante"	22.75	2.13
			For Up To 50, Add	12.09	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0024	SF	12" x 12" x 3/8"	And Larger Unmounted Marble Floor Tile, "Emperador Light"	22.89	2.13
			For Up To 50, Add	12.12	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0025			Granite Floor Tile (09 30 33)		
09 30 33 00-0026	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Crystal Gray"	11.52	2.13
			For Up To 50, Add	9.28	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0027	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Peach Flower"	12.23	2.13
			For Up To 50, Add	9.46	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0028	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Golden Yellow"	12.80	2.13
			For Up To 50, Add	9.60	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0029	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Absolute Black"	15.07	2.13
			For Up To 50, Add	10.17	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0030	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Tan Brown"	15.51	2.13
			For Up To 50, Add	10.28	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0031	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Black Galaxy"	15.92	2.13
			For Up To 50, Add	10.38	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0032	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	16.35	2.13
			For Up To 50, Add	10.49	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	
09 30 33 00-0033	SF	12" x 12" x 3/8"	And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecelia".....	16.86	2.13
			For Up To 50, Add	10.61	
			For >50 To 250, Add	1.71	
			For >1,000, Deduct	-0.85	
			For High-Modulus, High-Strength Epoxy Grout, Add	1.74	
			For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00	

09 Finishes**09 30 Tiling****09 30 33 Stone Tiling**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 30 33 00-0034	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	17.35	2.13	
		For Up To 50, Add	10.74		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0035	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	17.86	2.13	
		For Up To 50, Add	10.86		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0036	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown"	18.34	2.13	
		For Up To 50, Add	10.98		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0037	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	18.91	2.13	
		For Up To 50, Add	11.13		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0038	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	19.48	2.13	
		For Up To 50, Add	11.27		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0039	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	21.47	2.13	
		For Up To 50, Add	11.77		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0040 Slate Floor Tile (09 30 33)					
09 30 33 00-0041	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic"	10.66	2.13	
		For Up To 50, Add	9.06		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0042	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold"	11.03	2.13	
		For Up To 50, Add	9.16		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0043	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	11.23	2.13	
		For Up To 50, Add	9.21		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0044	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn"	11.23	2.13	
		For Up To 50, Add	9.21		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0045	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend"	11.37	2.13	
		For Up To 50, Add	9.24		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0046	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow"	11.80	2.13	
		For Up To 50, Add	9.35		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0047	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite"	12.23	2.13	
		For Up To 50, Add	9.46		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0048	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite"	12.37	2.13	
		For Up To 50, Add	9.49		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		

09 30 33 00-0049 Travertine Floor Tile (09 30 33)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0050	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic"	12.23	2.13	
		For Up To 50, Add	9.46		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0051	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut"	12.65	2.13	
		For Up To 50, Add	9.56		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0052	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold"	12.94	2.13	
		For Up To 50, Add	9.63		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0053	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory"	13.36	2.13	
		For Up To 50, Add	9.74		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0054	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce"	13.51	2.13	
		For Up To 50, Add	9.78		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0055	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique"	13.65	2.13	
		For Up To 50, Add	9.81		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0056	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream"	15.01	2.13	
		For Up To 50, Add	10.15		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0057 Limestone Floor Tile (09 30 33)					
09 30 33 00-0058	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold"	14.93	2.13	
		For Up To 50, Add	10.13		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0059	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige"	15.36	2.13	
		For Up To 50, Add	10.24		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0060	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream"	17.57	2.13	
		For Up To 50, Add	10.79		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0061	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold"	18.91	2.13	
		For Up To 50, Add	11.13		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0062	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jerusalem Bone"	18.91	2.13	
		For Up To 50, Add	11.13		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0063	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue"	19.34	2.13	
		For Up To 50, Add	11.23		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		
09 30 33 00-0064	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray"	20.90	2.13	
		For Up To 50, Add	11.62		
		For >50 To 250, Add	1.71		
		For >1,000, Deduct	-0.85		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.74		
		For Heavy-Duty Floors With A PEI 5 Rating, Add	1.00		

09 31 Thin-Set Tiling (09 30)

09 Finishes**09 30 Tiling****09 31 Thin-Set Tiling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling (09 31)**09 31 13 00-0001 Thin-Set Ceramic Tiling** (09 31 13)

09 31 13 00-0002	SF	Thin Set - Latex Portland Cement Mortar	1.96	1.13
		For Up To 50, Add	1.77	
		For >50 To 250, Add	0.34	
		For >1,000, Deduct	-0.17	
09 31 13 00-0003	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing.....	1.09	
		For Up To 50, Add	1.09	
		For >50 To 250, Add	0.22	
		For >1,000, Deduct	-0.11	

09 32 Mortar-Bed Tiling (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling (09 32)**09 32 13 00-0001 Mortar-Bed Ceramic Tiling** (09 32 13)

09 32 13 00-0002	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed	4.91	2.27
		Note: For residential floors. Includes 15 Lb. felt and wire reinforcement.		
		For Up To 50, Add	3.79	
		For >50 To 250, Add	0.68	
		For >1,000, Deduct	-0.34	
		For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32 13 00-0003	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed	7.00	3.04
		Note: For commercial floors. Includes 15 Lb. felt and wire reinforcement.		
		For Up To 50, Add	5.17	
		For >50 To 250, Add	0.91	
		For >1,000, Deduct	-0.46	
		For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32 13 00-0004	SF	3/4" Portland Cement Plaster Scratch Coat for Walls	16.05	6.82
		Note: Includes 15 Lb. felt and expanded metal lath.		
		For Up To 50, Add	14.26	
		For >50 To 250, Add	2.73	
		For >1,000, Deduct	-1.37	
		For Exterior Installation (Galvanized Reinforcement), Add	0.15	
		For Installation Without Felt And Metal Lath, Deduct	-2.34	

09 34 Waterproofing-Membrane Tiling (09 30)**09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds** (09 34)**09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST)** (09 34 00 00-0001)

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,472.19	
09 34 00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,703.45	
09 34 00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	2,519.01	

09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps (09 34 00 00-0001)

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34 00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	178.72	
09 34 00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	170.22	

09 34 00 00-0009 Prefabricated Polystyrene Shower Benches (09 34 00 00-0001)

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34 00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	363.90	
09 34 00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	729.25	
09 34 00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	899.75	
09 34 00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	656.18	
09 34 00 00-0014	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	729.25	
09 34 00 00-0015	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	777.97	

09 34 00 00-0016 Prefabricated Polystyrene Shower Tray (09 34 00 00-0001)

Note: Prefabricated shower tray for tiling over. Excludes tile.

09 34 00 00-0017	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	312.68	
09 34 00 00-0018	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	312.68	
09 34 00 00-0019	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	483.18	

09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) (09 34 00 00-0001)

09 34 00 00-0021	SF	1/8" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	5.47	
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				Finishes	09	2
				Tiling	09 30	
				Waterproofing-Membrane Tiling	09 34	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
				UNIT COST	UNIT COST	
09 34 00 00-0022	SF		5/16" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL).....	6.32		
09 34 00 00-0023			Bonded Waterproof Underlayment Membranes (Schluter® KERDI) (09 34 00 00-0001)			
09 34 00 00-0024	SF		0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M).....	4.81		
09 35 Chemical-Resistant Tiling (09 30)						
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.						
09 35 13 Chemical-Resistant Ceramic Tiling (09 35)						
09 35 13 00-0001			Chemical-Resistant Ceramic Tiling (09 35 13)			
09 35 13 00-0002	SF		Thin Set - Epoxy Mortar.....	6.35		1.50
Note: Impact and chemical resistant.						
For Up To 50, Add				3.30		
For >50 To 250, Add				0.46		
For >1,000, Deduct				-0.23		
09 39 Tiling Transitions (09 30)						
09 39 00 00-0001			Tile Waterproofing And Crack Prevention (09 39)			
09 39 00 00-0002	CSF		30 Mil Waterproofing And Crack Prevention Membrane; RedGard.....	130.99		
09 39 00 00-0003			Waterproof Strip Membranes (Schluter® KERDI) (09 39)			
09 39 00 00-0004	LF		5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND).....	5.96		
09 39 00 00-0005	LF		10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX).....	12.44		
09 39 00 00-0006			Coved Shaped Transition Profiles For Floor To Wall For Tile (09 39)			
09 39 00 00-0007	LF		5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK).....	8.17		
09 39 00 00-0008	LF		3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK).....	8.15		
09 39 00 00-0009	LF		1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK).....	8.45		
09 39 00 00-0010	LF		5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK).....	7.77		
09 39 00 00-0011	LF		3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK).....	8.08		
09 39 00 00-0012			Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile (09 39)			
09 39 00 00-0013	LF		9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK).....	16.76		
09 39 00 00-0014	LF		11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK).....	17.24		
09 39 00 00-0015	LF		7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK).....	17.77		
09 39 00 00-0016			Tile Substrate (Schluter® KERDI BOARD) (09 39)			
09 39 00 00-0017	SF		1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD).....	9.95		0.95
09 39 00 00-0018	SF		5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD).....	11.20		1.09
09 39 00 00-0019			Floor Edge Protection And Transition Profiles For Tile (09 39)			
09 39 00 00-0020	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.30		
09 39 00 00-0021	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.43		
09 39 00 00-0022	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.56		
09 39 00 00-0023	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	4.79		
09 39 00 00-0024	LF		1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	5.68		
09 39 00 00-0025	LF		5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	5.86		
09 39 00 00-0026	LF		3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	5.99		
09 39 00 00-0027	LF		1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	6.13		
09 39 00 00-0028	LF		9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	4.51		
09 39 00 00-0029	LF		1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	6.13		
09 39 00 00-0030	LF		1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	5.71		
09 39 00 00-0031	LF		5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	6.00		
09 39 00 00-0032	LF		3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	6.29		
09 39 00 00-0033	LF		1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	7.58		
09 39 00 00-0034	LF		5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	5.90		
09 39 00 00-0035	LF		3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	6.19		
09 39 00 00-0036	LF		1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	7.50		
09 39 00 00-0037			Outside Wall Edge Protection And Transition Profiles For Tile (09 39)			
09 39 00 00-0038	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	5.87		
09 39 00 00-0039	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	6.18		
09 39 00 00-0040	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	6.63		
09 39 00 00-0041	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	7.09		
09 39 00 00-0042	LF		1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	6.49		
09 39 00 00-0043	LF		5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	7.07		
09 39 00 00-0044	LF		3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	7.64		
09 39 00 00-0045	LF		1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	8.65		

09	Finishes
	09 50 Ceilings
	09 39 Tiling Transitions

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 50 Ceilings⁽⁰⁹⁾

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings^(09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings^(09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels^(09 51 13)

09 51 13 00-0002 Fiberglass Acoustical Panels^(09 51 13 00-0001)

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0003	SF	2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.21	0.54
		For Up To 50, Add	2.09	
		For >50 To 200, Add	1.27	
		For >200 To 500, Add	0.55	
		For >2,500 To 4,000, Deduct	-0.23	
		For >4,000 To 5,000, Deduct	-0.46	
		For >5,000, Deduct	-0.73	
		For Individual Room Quantities <495, Add	1.27	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0004	SF	2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.15	0.54
		For Up To 50, Add	2.08	
		For >50 To 200, Add	1.27	
		For >200 To 500, Add	0.55	
		For >2,500 To 4,000, Deduct	-0.23	
		For >4,000 To 5,000, Deduct	-0.46	
		For >5,000, Deduct	-0.73	
		For Individual Room Quantities <495, Add	1.27	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0005	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.74	0.67
		For Up To 50, Add	2.22	
		For >50 To 200, Add	1.35	
		For >200 To 500, Add	0.58	
		For >2,500 To 4,000, Deduct	-0.24	
		For >4,000 To 5,000, Deduct	-0.49	
		For >5,000, Deduct	-0.78	
		For Individual Room Quantities <495, Add	1.35	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0006	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.84	0.67
		For Up To 50, Add	2.24	
		For >50 To 200, Add	1.36	
		For >200 To 500, Add	0.59	
		For >2,500 To 4,000, Deduct	-0.25	
		For >4,000 To 5,000, Deduct	-0.49	
		For >5,000, Deduct	-0.79	
		For Individual Room Quantities <495, Add	1.36	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0007	SF	2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355)	10.11	0.67
		For Up To 50, Add	2.28	
		For >50 To 200, Add	1.39	
		For >200 To 500, Add	0.60	
		For >2,500 To 4,000, Deduct	-0.25	
		For >4,000 To 5,000, Deduct	-0.51	
		For >5,000, Deduct	-0.81	
		For Individual Room Quantities <495, Add	1.39	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0008	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353)	10.10	0.67
		For Up To 50, Add	2.28	
		For >50 To 200, Add	1.39	
		For >200 To 500, Add	0.60	
		For >2,500 To 4,000, Deduct	-0.25	
		For >4,000 To 5,000, Deduct	-0.51	
		For >5,000, Deduct	-0.81	
		For Individual Room Quantities <495, Add	1.39	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0009	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	10.52	0.67
		For Up To 50, Add	2.34	
		For >50 To 200, Add	1.43	
		For >200 To 500, Add	0.62	
		For >2,500 To 4,000, Deduct	-0.26	
		For >4,000 To 5,000, Deduct	-0.53	
		For >5,000, Deduct	-0.84	
		For Individual Room Quantities <495, Add	1.43	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	0.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 51 13 00-0010	SF		2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™).....	10.51	0.67
			For Up To 50, Add	2.34	
			For >50 To 200, Add	1.43	
			For >200 To 500, Add	0.62	
			For >2,500 To 4,000, Deduct	-0.26	
			For >4,000 To 5,000, Deduct	-0.53	
			For >5,000, Deduct	-0.84	
			For Individual Room Quantities <495, Add	1.43	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Ceilings >10' High, Add	0.14	
09 51 13 00-0011			Mineral Fiber Panels (09 51 13)		
09 51 13 00-0012			Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0011)		
			Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0013	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured).....	2.63	0.54
			For Up To 50, Add	1.10	
			For >50 To 200, Add	0.62	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.24	
			For Individual Room Quantities <495, Add	0.62	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.79	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0014	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured).....	2.61	0.82
			For Up To 50, Add	1.10	
			For >50 To 200, Add	0.61	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.24	
			For Individual Room Quantities <495, Add	0.61	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.79	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0015	SF		2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.09	0.54
			For Up To 50, Add	1.17	
			For >50 To 200, Add	0.66	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.28	
			For Individual Room Quantities <495, Add	0.66	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.79	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0016	SF		2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.08	0.81
			For Up To 50, Add	1.17	
			For >50 To 200, Add	0.66	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.28	
			For Individual Room Quantities <495, Add	0.66	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.79	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0017	SF		2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega).....	3.40	0.54
			For Up To 50, Add	1.21	
			For >50 To 200, Add	0.69	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.30	
			For Individual Room Quantities <495, Add	0.69	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.79	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0018	SF		2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega).....	3.40	0.54
			For Up To 50, Add	1.21	
			For >50 To 200, Add	0.69	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.30	
			For Individual Room Quantities <495, Add	0.69	
			Note: For use with projects >500 SF. Other quantity discounts would apply.		
			For Vertical Application, Add	0.79	
			For Ceilings >10' High, Add	0.13	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 51 13 00-0019	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.64	0.81
		For Up To 50, Add	1.25	
		For >50 To 200, Add	0.72	
		For >200 To 500, Add	0.27	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.18	
		For >5,000, Deduct	-0.32	
		For Individual Room Quantities <495, Add	0.72	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0020	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.65	0.81
		For Up To 50, Add	1.25	
		For >50 To 200, Add	0.72	
		For >200 To 500, Add	0.27	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.18	
		For >5,000, Deduct	-0.32	
		For Individual Room Quantities <495, Add	0.72	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0021	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.97	0.81
		For Up To 50, Add	1.30	
		For >50 To 200, Add	0.75	
		For >200 To 500, Add	0.29	
		For >2,500 To 4,000, Deduct	-0.10	
		For >4,000 To 5,000, Deduct	-0.20	
		For >5,000, Deduct	-0.34	
		For Individual Room Quantities <495, Add	0.75	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0022	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.38	0.54
		For Up To 50, Add	1.21	
		For >50 To 200, Add	0.69	
		For >200 To 500, Add	0.26	
		For >2,500 To 4,000, Deduct	-0.08	
		For >4,000 To 5,000, Deduct	-0.17	
		For >5,000, Deduct	-0.30	
		For Individual Room Quantities <495, Add	0.69	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0023	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.36	0.81
		For Up To 50, Add	1.21	
		For >50 To 200, Add	0.69	
		For >200 To 500, Add	0.26	
		For >2,500 To 4,000, Deduct	-0.08	
		For >4,000 To 5,000, Deduct	-0.17	
		For >5,000, Deduct	-0.30	
		For Individual Room Quantities <495, Add	0.69	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0024	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.86	0.54
		For Up To 50, Add	1.28	
		For >50 To 200, Add	0.74	
		For >200 To 500, Add	0.28	
		For >2,500 To 4,000, Deduct	-0.10	
		For >4,000 To 5,000, Deduct	-0.19	
		For >5,000, Deduct	-0.33	
		For Individual Room Quantities <495, Add	0.74	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0025	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.09	0.54
		For Up To 50, Add	1.17	
		For >50 To 200, Add	0.66	
		For >200 To 500, Add	0.24	
		For >2,500 To 4,000, Deduct	-0.08	
		For >4,000 To 5,000, Deduct	-0.15	
		For >5,000, Deduct	-0.28	
		For Individual Room Quantities <495, Add	0.66	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0026	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.08	0.54
		For Up To 50, Add	1.17	
		For >50 To 200, Add	0.66	
		For >200 To 500, Add	0.24	
		For >2,500 To 4,000, Deduct	-0.08	
		For >4,000 To 5,000, Deduct	-0.15	
		For >5,000, Deduct	-0.28	
		For Individual Room Quantities <495, Add	0.66	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	

		Finishes	09	9
		Ceilings	09 50	
		Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0027	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	.....	3.40	0.54
		For Up To 50, Add	1.21		
		For >50 To 200, Add	0.69		
		For >200 To 500, Add	0.26		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.17		
		For >5,000, Deduct	-0.30		
		For Individual Room Quantities <495, Add	0.69		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.79		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0028	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.12	0.54
		For Up To 50, Add	1.17		
		For >50 To 200, Add	0.66		
		For >200 To 500, Add	0.24		
		For >2,500 To 4,000, Deduct	-0.08		
		For >4,000 To 5,000, Deduct	-0.16		
		For >5,000, Deduct	-0.28		
		For Individual Room Quantities <495, Add	0.66		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.79		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0029	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.11	0.54
		For Up To 50, Add	1.17		
		For >50 To 200, Add	0.66		
		For >200 To 500, Add	0.24		
		For >2,500 To 4,000, Deduct	-0.08		
		For >4,000 To 5,000, Deduct	-0.16		
		For >5,000, Deduct	-0.28		
		For Individual Room Quantities <495, Add	0.66		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.79		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0030	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.56	0.54
		For Up To 50, Add	1.24		
		For >50 To 200, Add	0.71		
		For >200 To 500, Add	0.27		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.18		
		For >5,000, Deduct	-0.31		
		For Individual Room Quantities <495, Add	0.71		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.79		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0031	SF	2' x 4' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.56	0.54
		For Up To 50, Add	1.24		
		For >50 To 200, Add	0.71		
		For >200 To 500, Add	0.27		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.18		
		For >5,000, Deduct	-0.31		
		For Individual Room Quantities <495, Add	0.71		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.79		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0032	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.74	0.54
		For Up To 50, Add	1.27		
		For >50 To 200, Add	0.73		
		For >200 To 500, Add	0.28		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.19		
		For >5,000, Deduct	-0.32		
		For Individual Room Quantities <495, Add	0.73		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.79		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0033	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	4.38	0.54
		For Up To 50, Add	1.36		
		For >50 To 200, Add	0.79		
		For >200 To 500, Add	0.31		
		For >2,500 To 4,000, Deduct	-0.11		
		For >4,000 To 5,000, Deduct	-0.22		
		For >5,000, Deduct	-0.37		
		For Individual Room Quantities <495, Add	0.79		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.79		
		For Ceilings >10' High, Add	0.13		
09 51 13 00-0034	SF	2' x 2' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	.....	3.64	0.54
		For Up To 50, Add	1.25		
		For >50 To 200, Add	0.72		
		For >200 To 500, Add	0.27		
		For >2,500 To 4,000, Deduct	-0.09		
		For >4,000 To 5,000, Deduct	-0.18		
		For >5,000, Deduct	-0.32		
		For Individual Room Quantities <495, Add	0.72		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add	0.79		
		For Ceilings >10' High, Add	0.13		

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 51 13 00-0035	SF	2' x 4' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	4.40	0.54
		For Up To 50, Add	1.36	
		For >50 To 200, Add	0.79	
		For >200 To 500, Add	0.31	
		For >2,500 To 4,000, Deduct	-0.11	
		For >4,000 To 5,000, Deduct	-0.22	
		For >5,000, Deduct	-0.37	
		For Individual Room Quantities <495, Add	0.79	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0036	SF	30" x 60" x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.43	0.54
		For Up To 50, Add	1.22	
		For >50 To 200, Add	0.70	
		For >200 To 500, Add	0.26	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.17	
		For >5,000, Deduct	-0.30	
		For Individual Room Quantities <495, Add	0.70	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0037	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.74	0.81
		For Up To 50, Add	1.27	
		For >50 To 200, Add	0.73	
		For >200 To 500, Add	0.28	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.19	
		For >5,000, Deduct	-0.32	
		For Individual Room Quantities <495, Add	0.73	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0038	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.67	0.81
		For Up To 50, Add	1.25	
		For >50 To 200, Add	0.72	
		For >200 To 500, Add	0.27	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.18	
		For >5,000, Deduct	-0.32	
		For Individual Room Quantities <495, Add	0.72	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0039	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	4.12	0.81
		For Up To 50, Add	1.32	
		For >50 To 200, Add	0.76	
		For >200 To 500, Add	0.29	
		For >2,500 To 4,000, Deduct	-0.10	
		For >4,000 To 5,000, Deduct	-0.21	
		For >5,000, Deduct	-0.35	
		For Individual Room Quantities <495, Add	0.76	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0040	SF	2' x 4' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	4.12	0.81
		For Up To 50, Add	1.32	
		For >50 To 200, Add	0.76	
		For >200 To 500, Add	0.29	
		For >2,500 To 4,000, Deduct	-0.10	
		For >4,000 To 5,000, Deduct	-0.21	
		For >5,000, Deduct	-0.35	
		For Individual Room Quantities <495, Add	0.76	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0041	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured)	9.69	0.95
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0042	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.93	0.54
		For Up To 50, Add	1.29	
		For >50 To 200, Add	0.75	
		For >200 To 500, Add	0.28	
		For >2,500 To 4,000, Deduct	-0.10	
		For >4,000 To 5,000, Deduct	-0.20	
		For >5,000, Deduct	-0.34	
		For Individual Room Quantities <495, Add	0.75	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	

			Finishes		09	9
			Ceilings		09 50	
			Acoustical Ceilings		09 51	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION	
			UNIT COST		UNIT COST	
09 51 13 00-0043	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	3.92		0.54	
		For Up To 50, Add	1.29			
		For >50 To 200, Add	0.74			
		For >200 To 500, Add	0.28			
		For >2,500 To 4,000, Deduct	-0.10			
		For >4,000 To 5,000, Deduct	-0.20			
		For >5,000, Deduct	-0.34			
		For Individual Room Quantities <495, Add	0.74			
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add	0.79			
		For Ceilings >10' High, Add	0.13			
09 51 13 00-0044	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	4.59		0.54	
		For Up To 50, Add	1.39			
		For >50 To 200, Add	0.81			
		For >200 To 500, Add	0.32			
		For >2,500 To 4,000, Deduct	-0.11			
		For >4,000 To 5,000, Deduct	-0.23			
		For >5,000, Deduct	-0.39			
		For Individual Room Quantities <495, Add	0.81			
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add	0.79			
		For Ceilings >10' High, Add	0.13			
09 51 13 00-0045	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	4.20		0.54	
		For Up To 50, Add	1.33			
		For >50 To 200, Add	0.77			
		For >200 To 500, Add	0.30			
		For >2,500 To 4,000, Deduct	-0.11			
		For >4,000 To 5,000, Deduct	-0.21			
		For >5,000, Deduct	-0.36			
		For Individual Room Quantities <495, Add	0.77			
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add	0.79			
		For Ceilings >10' High, Add	0.13			
09 51 13 00-0046	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.14		0.54	
		For Up To 50, Add	1.33			
		For >50 To 200, Add	0.77			
		For >200 To 500, Add	0.30			
		For >2,500 To 4,000, Deduct	-0.10			
		For >4,000 To 5,000, Deduct	-0.21			
		For >5,000, Deduct	-0.35			
		For Individual Room Quantities <495, Add	0.77			
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add	0.79			
		For Ceilings >10' High, Add	0.13			
09 51 13 00-0047	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.14		0.54	
		For Up To 50, Add	1.33			
		For >50 To 200, Add	0.77			
		For >200 To 500, Add	0.30			
		For >2,500 To 4,000, Deduct	-0.10			
		For >4,000 To 5,000, Deduct	-0.21			
		For >5,000, Deduct	-0.35			
		For Individual Room Quantities <495, Add	0.77			
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add	0.79			
		For Ceilings >10' High, Add	0.13			
09 51 13 00-0048	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.35		0.54	
		For Up To 50, Add	1.36			
		For >50 To 200, Add	0.79			
		For >200 To 500, Add	0.31			
		For >2,500 To 4,000, Deduct	-0.11			
		For >4,000 To 5,000, Deduct	-0.22			
		For >5,000, Deduct	-0.37			
		For Individual Room Quantities <495, Add	0.79			
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add	0.79			
		For Ceilings >10' High, Add	0.13			
09 51 13 00-0049	SF	2' x 4' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.52		0.54	
		For Up To 50, Add	1.38			
		For >50 To 200, Add	0.80			
		For >200 To 500, Add	0.31			
		For >2,500 To 4,000, Deduct	-0.11			
		For >4,000 To 5,000, Deduct	-0.23			
		For >5,000, Deduct	-0.38			
		For Individual Room Quantities <495, Add	0.80			
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add	0.79			
		For Ceilings >10' High, Add	0.13			
09 51 13 00-0050	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard).....	4.76		0.54	
		For Up To 50, Add	1.42			
		For >50 To 200, Add	0.83			
		For >200 To 500, Add	0.33			
		For >2,500 To 4,000, Deduct	-0.12			
		For >4,000 To 5,000, Deduct	-0.24			
		For >5,000, Deduct	-0.40			
		For Individual Room Quantities <495, Add	0.83			
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add	0.79			
		For Ceilings >10' High, Add	0.13			

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 51 13 00-0051	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard).....	4.72	0.54
		For Up To 50, Add	1.41	
		For >50 To 200, Add	0.82	
		For >200 To 500, Add	0.32	
		For >2,500 To 4,000, Deduct	-0.12	
		For >4,000 To 5,000, Deduct	-0.24	
		For >5,000, Deduct	-0.40	
		For Individual Room Quantities <495, Add	0.82	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0052	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.59	0.81
		For Up To 50, Add	1.39	
		For >50 To 200, Add	0.81	
		For >200 To 500, Add	0.32	
		For >2,500 To 4,000, Deduct	-0.11	
		For >4,000 To 5,000, Deduct	-0.23	
		For >5,000, Deduct	-0.39	
		For Individual Room Quantities <495, Add	0.81	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0053	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.59	0.81
		For Up To 50, Add	1.39	
		For >50 To 200, Add	0.81	
		For >200 To 500, Add	0.32	
		For >2,500 To 4,000, Deduct	-0.11	
		For >4,000 To 5,000, Deduct	-0.23	
		For >5,000, Deduct	-0.39	
		For Individual Room Quantities <495, Add	0.81	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0054	SF	2' x 2' x 3/4" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.96	0.54
		For Up To 50, Add	1.45	
		For >50 To 200, Add	0.85	
		For >200 To 500, Add	0.34	
		For >2,500 To 4,000, Deduct	-0.12	
		For >4,000 To 5,000, Deduct	-0.25	
		For >5,000, Deduct	-0.42	
		For Individual Room Quantities <495, Add	0.85	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0055	SF	2' x 4' x 3/4" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.85	0.54
		For Up To 50, Add	1.43	
		For >50 To 200, Add	0.84	
		For >200 To 500, Add	0.33	
		For >2,500 To 4,000, Deduct	-0.12	
		For >4,000 To 5,000, Deduct	-0.24	
		For >5,000, Deduct	-0.41	
		For Individual Room Quantities <495, Add	0.84	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0056	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus).....	5.93	0.81
		For Up To 50, Add	1.59	
		For >50 To 200, Add	0.95	
		For >200 To 500, Add	0.38	
		For >2,500 To 4,000, Deduct	-0.15	
		For >4,000 To 5,000, Deduct	-0.30	
		For >5,000, Deduct	-0.49	
		For Individual Room Quantities <495, Add	0.95	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0057	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus).....	5.88	0.81
		For Up To 50, Add	1.59	
		For >50 To 200, Add	0.94	
		For >200 To 500, Add	0.38	
		For >2,500 To 4,000, Deduct	-0.15	
		For >4,000 To 5,000, Deduct	-0.29	
		For >5,000, Deduct	-0.49	
		For Individual Room Quantities <495, Add	0.94	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0058	SF	2' x 2' x 3/4" Thick, Beveled Tegal Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.93	0.81
		For Up To 50, Add	1.59	
		For >50 To 200, Add	0.95	
		For >200 To 500, Add	0.38	
		For >2,500 To 4,000, Deduct	-0.15	
		For >4,000 To 5,000, Deduct	-0.30	
		For >5,000, Deduct	-0.49	
		For Individual Room Quantities <495, Add	0.95	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0059	SF	2' x 4' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	.....	5.88	0.81
		For Up To 50, Add		1.59	
		For >50 To 200, Add		0.94	
		For >200 To 500, Add		0.38	
		For >2,500 To 4,000, Deduct		-0.15	
		For >4,000 To 5,000, Deduct		-0.29	
		For >5,000, Deduct		-0.49	
		For Individual Room Quantities <495, Add		0.94	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.79	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0060	SF	2' x 4' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look)	.....	6.49	0.54
		For Up To 50, Add		1.68	
		For >50 To 200, Add		1.00	
		For >200 To 500, Add		0.41	
		For >2,500 To 4,000, Deduct		-0.16	
		For >4,000 To 5,000, Deduct		-0.32	
		For >5,000, Deduct		-0.53	
		For Individual Room Quantities <495, Add		1.00	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.79	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0061	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	.....	6.44	0.81
		For Up To 50, Add		1.67	
		For >50 To 200, Add		1.00	
		For >200 To 500, Add		0.41	
		For >2,500 To 4,000, Deduct		-0.16	
		For >4,000 To 5,000, Deduct		-0.32	
		For >5,000, Deduct		-0.53	
		For Individual Room Quantities <495, Add		1.00	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.79	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0062	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	.....	6.42	0.81
		For Up To 50, Add		1.67	
		For >50 To 200, Add		0.99	
		For >200 To 500, Add		0.41	
		For >2,500 To 4,000, Deduct		-0.16	
		For >4,000 To 5,000, Deduct		-0.32	
		For >5,000, Deduct		-0.53	
		For Individual Room Quantities <495, Add		0.99	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.79	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0063	SF	2' x 2' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	.....	6.93	0.54
		For Up To 50, Add		1.74	
		For >50 To 200, Add		1.05	
		For >200 To 500, Add		0.43	
		For >2,500 To 4,000, Deduct		-0.17	
		For >4,000 To 5,000, Deduct		-0.35	
		For >5,000, Deduct		-0.56	
		For Individual Room Quantities <495, Add		1.05	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.79	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0064	SF	2' x 4' x 5/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	.....	6.93	0.54
		For Up To 50, Add		1.74	
		For >50 To 200, Add		1.05	
		For >200 To 500, Add		0.43	
		For >2,500 To 4,000, Deduct		-0.17	
		For >4,000 To 5,000, Deduct		-0.35	
		For >5,000, Deduct		-0.56	
		For Individual Room Quantities <495, Add		1.05	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.79	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0065	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	.....	6.46	0.54
		For Up To 50, Add		1.67	
		For >50 To 200, Add		1.00	
		For >200 To 500, Add		0.41	
		For >2,500 To 4,000, Deduct		-0.16	
		For >4,000 To 5,000, Deduct		-0.32	
		For >5,000, Deduct		-0.53	
		For Individual Room Quantities <495, Add		1.00	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.79	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0066	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	.....	6.46	0.54
		For Up To 50, Add		1.67	
		For >50 To 200, Add		1.00	
		For >200 To 500, Add		0.41	
		For >2,500 To 4,000, Deduct		-0.16	
		For >4,000 To 5,000, Deduct		-0.32	
		For >5,000, Deduct		-0.53	
		For Individual Room Quantities <495, Add		1.00	
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Vertical Application, Add		0.79	
		For Ceilings >10' High, Add		0.13	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 51 13 00-0067	SF	2' x 2' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	6.46	0.54
		For Up To 50, Add	1.67	
		For >50 To 200, Add	1.00	
		For >200 To 500, Add	0.41	
		For >2,500 To 4,000, Deduct	-0.16	
		For >4,000 To 5,000, Deduct	-0.32	
		For >5,000, Deduct	-0.53	
		For Individual Room Quantities <495, Add	1.00	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0068	SF	2' x 4' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	6.46	0.54
		For Up To 50, Add	1.67	
		For >50 To 200, Add	1.00	
		For >200 To 500, Add	0.41	
		For >2,500 To 4,000, Deduct	-0.16	
		For >4,000 To 5,000, Deduct	-0.32	
		For >5,000, Deduct	-0.53	
		For Individual Room Quantities <495, Add	1.00	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0069	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.95	0.67
		For Up To 50, Add	1.80	
		For >50 To 200, Add	1.08	
		For >200 To 500, Add	0.44	
		For >2,500 To 4,000, Deduct	-0.17	
		For >4,000 To 5,000, Deduct	-0.35	
		For >5,000, Deduct	-0.57	
		For Individual Room Quantities <495, Add	1.08	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.86	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0070	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.95	0.67
		For Up To 50, Add	1.80	
		For >50 To 200, Add	1.08	
		For >200 To 500, Add	0.44	
		For >2,500 To 4,000, Deduct	-0.17	
		For >4,000 To 5,000, Deduct	-0.35	
		For >5,000, Deduct	-0.57	
		For Individual Room Quantities <495, Add	1.08	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.86	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0071	SF	2' x 2' x 7/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.95	0.67
		For Up To 50, Add	1.80	
		For >50 To 200, Add	1.08	
		For >200 To 500, Add	0.44	
		For >2,500 To 4,000, Deduct	-0.17	
		For >4,000 To 5,000, Deduct	-0.35	
		For >5,000, Deduct	-0.57	
		For Individual Room Quantities <495, Add	1.08	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.86	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0072	SF	2' x 4' x 7/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.95	0.67
		For Up To 50, Add	1.80	
		For >50 To 200, Add	1.08	
		For >200 To 500, Add	0.44	
		For >2,500 To 4,000, Deduct	-0.17	
		For >4,000 To 5,000, Deduct	-0.35	
		For >5,000, Deduct	-0.57	
		For Individual Room Quantities <495, Add	1.08	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.86	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0073	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™).....	7.27	0.54
		For Up To 50, Add	1.79	
		For >50 To 200, Add	1.08	
		For >200 To 500, Add	0.45	
		For >2,500 To 4,000, Deduct	-0.18	
		For >4,000 To 5,000, Deduct	-0.36	
		For >5,000, Deduct	-0.59	
		For Individual Room Quantities <495, Add	1.08	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0074	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™).....	7.27	0.54
		For Up To 50, Add	1.79	
		For >50 To 200, Add	1.08	
		For >200 To 500, Add	0.45	
		For >2,500 To 4,000, Deduct	-0.18	
		For >4,000 To 5,000, Deduct	-0.36	
		For >5,000, Deduct	-0.59	
		For Individual Room Quantities <495, Add	1.08	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	

			Finishes		09	2
			Ceilings		09 50	
			Acoustical Ceilings		09 51	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION	
			UNIT COST		UNIT COST	
09 51 13 00-0075	SF	2' x 2' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™).....		7.27		0.54
		For Up To 50, Add		1.79		
		For >50 To 200, Add		1.08		
		For >200 To 500, Add		0.45		
		For >2,500 To 4,000, Deduct		-0.18		
		For >4,000 To 5,000, Deduct		-0.36		
		For >5,000, Deduct		-0.59		
		For Individual Room Quantities <495, Add		1.08		
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add		0.79		
		For Ceilings >10' High, Add		0.13		
09 51 13 00-0076	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC).....		8.25		0.54
		For Up To 50, Add		2.00		
		For >50 To 200, Add		1.21		
		For >200 To 500, Add		0.51		
		For >2,500 To 4,000, Deduct		-0.21		
		For >4,000 To 5,000, Deduct		-0.41		
		For >5,000, Deduct		-0.67		
		For Individual Room Quantities <495, Add		1.21		
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add		0.86		
		For Ceilings >10' High, Add		0.14		
09 51 13 00-0077	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC).....		8.13		0.54
		For Up To 50, Add		1.98		
		For >50 To 200, Add		1.19		
		For >200 To 500, Add		0.50		
		For >2,500 To 4,000, Deduct		-0.20		
		For >4,000 To 5,000, Deduct		-0.41		
		For >5,000, Deduct		-0.66		
		For Individual Room Quantities <495, Add		1.19		
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add		0.86		
		For Ceilings >10' High, Add		0.14		
09 51 13 00-0078	SF	2' x 2' x 7/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC).....		8.19		0.54
		For Up To 50, Add		1.99		
		For >50 To 200, Add		1.20		
		For >200 To 500, Add		0.50		
		For >2,500 To 4,000, Deduct		-0.20		
		For >4,000 To 5,000, Deduct		-0.41		
		For >5,000, Deduct		-0.66		
		For Individual Room Quantities <495, Add		1.20		
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add		0.86		
		For Ceilings >10' High, Add		0.14		
09 51 13 00-0079	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL).....		7.67		0.54
		For Up To 50, Add		1.85		
		For >50 To 200, Add		1.12		
		For >200 To 500, Add		0.47		
		For >2,500 To 4,000, Deduct		-0.19		
		For >4,000 To 5,000, Deduct		-0.38		
		For >5,000, Deduct		-0.62		
		For Individual Room Quantities <495, Add		1.12		
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add		0.79		
		For Ceilings >10' High, Add		0.13		
09 51 13 00-0080	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL).....		7.53		0.54
		For Up To 50, Add		1.83		
		For >50 To 200, Add		1.11		
		For >200 To 500, Add		0.46		
		For >2,500 To 4,000, Deduct		-0.19		
		For >4,000 To 5,000, Deduct		-0.38		
		For >5,000, Deduct		-0.61		
		For Individual Room Quantities <495, Add		1.11		
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add		0.79		
		For Ceilings >10' High, Add		0.13		
09 51 13 00-0081	SF	2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....		8.34		0.67
		For Up To 50, Add		2.01		
		For >50 To 200, Add		1.21		
		For >200 To 500, Add		0.51		
		For >2,500 To 4,000, Deduct		-0.21		
		For >4,000 To 5,000, Deduct		-0.42		
		For >5,000, Deduct		-0.67		
		For Individual Room Quantities <495, Add		1.21		
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add		0.86		
		For Ceilings >10' High, Add		0.14		
09 51 13 00-0082	SF	2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....		8.34		0.67
		For Up To 50, Add		2.01		
		For >50 To 200, Add		1.21		
		For >200 To 500, Add		0.51		
		For >2,500 To 4,000, Deduct		-0.21		
		For >4,000 To 5,000, Deduct		-0.42		
		For >5,000, Deduct		-0.67		
		For Individual Room Quantities <495, Add		1.21		
		Note: For use with projects >500 SF. Other quantity discounts would apply.				
		For Vertical Application, Add		0.86		
		For Ceilings >10' High, Add		0.14		

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 51 13 00-0083	SF	2' x 2' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	8.34	0.54
		For Up To 50, Add	2.01	
		For >50 To 200, Add	1.21	
		For >200 To 500, Add	0.51	
		For >2,500 To 4,000, Deduct	-0.21	
		For >4,000 To 5,000, Deduct	-0.42	
		For >5,000, Deduct	-0.67	
		For Individual Room Quantities <495, Add	1.21	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.86	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0084	SF	2' x 4' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	8.34	0.67
		For Up To 50, Add	2.01	
		For >50 To 200, Add	1.21	
		For >200 To 500, Add	0.51	
		For >2,500 To 4,000, Deduct	-0.21	
		For >4,000 To 5,000, Deduct	-0.42	
		For >5,000, Deduct	-0.67	
		For Individual Room Quantities <495, Add	1.21	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.86	
		For Ceilings >10' High, Add	0.14	
09 51 13 00-0085	SF	20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617).....	3.02	0.54
		For Individual Room Quantities <495, Add	0.65	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0086	SF	20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627).....	3.11	0.54
		For Individual Room Quantities <495, Add	0.66	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0087	SF	2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742).....	4.62	0.54
		For Individual Room Quantities <495, Add	0.81	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	0.79	
		For Ceilings >10' High, Add	0.13	

09 51 13 00-0088 Clean Room, Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0011)

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0089	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL).....	7.14	0.81
		For Up To 50, Add	1.69	
		For >50 To 200, Add	1.02	
		For >200 To 500, Add	0.43	
		For >2,500 To 4,000, Deduct	-0.18	
		For >4,000 To 5,000, Deduct	-0.36	
		For >5,000, Deduct	-0.57	
		For Vertical Application, Add	0.69	
		For Ceilings >10' High, Add	0.12	
		For Single Angled Tegular Edge (Reveal), Add	2.67	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	0.28	
09 51 13 00-0090	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL).....	7.12	0.81
		For Up To 50, Add	1.67	
		For >50 To 200, Add	1.01	
		For >200 To 500, Add	0.43	
		For >2,500 To 4,000, Deduct	-0.18	
		For >4,000 To 5,000, Deduct	-0.36	
		For >5,000, Deduct	-0.57	
		For Vertical Application, Add	0.68	
		For Ceilings >10' High, Add	0.11	
		For Single Angled Tegular Edge (Reveal), Add	2.68	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	0.28	
09 51 13 00-0091	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL).....	13.19	0.81
		For Up To 50, Add	2.59	
		For >50 To 200, Add	1.63	
		For >200 To 500, Add	0.74	
		For >2,500 To 4,000, Deduct	-0.33	
		For >4,000 To 5,000, Deduct	-0.66	
		For >5,000, Deduct	-1.03	
		For Vertical Application, Add	0.69	
		For Ceilings >10' High, Add	0.12	
		For Single Angled Tegular Edge (Reveal), Add	5.40	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	0.58	
09 51 13 00-0092	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL).....	13.03	0.81
		For Up To 50, Add	2.56	
		For >50 To 200, Add	1.61	
		For >200 To 500, Add	0.73	
		For >2,500 To 4,000, Deduct	-0.33	
		For >4,000 To 5,000, Deduct	-0.65	
		For >5,000, Deduct	-1.02	
		For Vertical Application, Add	0.68	
		For Ceilings >10' High, Add	0.11	
		For Single Angled Tegular Edge (Reveal), Add	5.34	
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	0.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0093	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL).....	12.94	0.81	
		For Up To 50, Add	2.56		
		For >50 To 200, Add	1.60		
		For >200 To 500, Add	0.72		
		For >2,500 To 4,000, Deduct	-0.32		
		For >4,000 To 5,000, Deduct	-0.65		
		For >5,000, Deduct	-1.01		
		For Vertical Application, Add	0.69		
		For Ceilings >10' High, Add	0.12		
		For Single Angled Tegular Edge (Reveal), Add	5.28		
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	0.57		
09 51 13 00-0094	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL).....	12.89	0.81	
		For Up To 50, Add	2.54		
		For >50 To 200, Add	1.59		
		For >200 To 500, Add	0.72		
		For >2,500 To 4,000, Deduct	-0.32		
		For >4,000 To 5,000, Deduct	-0.64		
		For >5,000, Deduct	-1.00		
		For Vertical Application, Add	0.68		
		For Ceilings >10' High, Add	0.11		
		For Single Angled Tegular Edge (Reveal), Add	5.27		
		For Broad Spectrum Anti-microbial Fungicide And Bactericide Treatment, Add	0.57		
09 51 13 00-0095 Wood Fiber Panels (09 51 13)					
09 51 13 00-0096	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	8.67	0.81	
		For Up To 50, Add	2.27		
		For >50 To 200, Add	1.35		
		For >200 To 500, Add	0.55		
		For >2,500 To 4,000, Deduct	-0.22		
		For >4,000 To 5,000, Deduct	-0.43		
		For >5,000, Deduct	-0.71		
		For Individual Room Quantities <495, Add	1.35		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Ceilings >10' High, Add	0.18		
09 51 13 00-0097	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	8.42	0.81	
		For Up To 50, Add	2.13		
		For >50 To 200, Add	1.28		
		For >200 To 500, Add	0.53		
		For >2,500 To 4,000, Deduct	-0.21		
		For >4,000 To 5,000, Deduct	-0.42		
		For >5,000, Deduct	-0.69		
		For Individual Room Quantities <495, Add	1.28		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Ceilings >10' High, Add	0.16		
09 51 13 00-0098	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	11.46	0.81	
		For Up To 50, Add	2.69		
		For >50 To 200, Add	1.63		
		For >200 To 500, Add	0.69		
		For >2,500 To 4,000, Deduct	-0.29		
		For >4,000 To 5,000, Deduct	-0.57		
		For >5,000, Deduct	-0.92		
		For Individual Room Quantities <495, Add	1.63		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Ceilings >10' High, Add	0.18		
09 51 13 00-0099	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	11.21	0.81	
		For Up To 50, Add	2.55		
		For >50 To 200, Add	1.56		
		For >200 To 500, Add	0.67		
		For >2,500 To 4,000, Deduct	-0.28		
		For >4,000 To 5,000, Deduct	-0.56		
		For >5,000, Deduct	-0.90		
		For Individual Room Quantities <495, Add	1.56		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Ceilings >10' High, Add	0.16		
09 51 13 00-0100	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels.....	14.16	0.81	
		For Up To 50, Add	3.09		
		For >50 To 200, Add	1.90		
		For >200 To 500, Add	0.83		
		For >2,500 To 4,000, Deduct	-0.35		
		For >4,000 To 5,000, Deduct	-0.71		
		For >5,000, Deduct	-1.12		
		For Individual Room Quantities <495, Add	1.90		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Ceilings >10' High, Add	0.18		
09 51 13 00-0101	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels.....	13.91	0.81	
		For Up To 50, Add	2.95		
		For >50 To 200, Add	1.83		
		For >200 To 500, Add	0.80		
		For >2,500 To 4,000, Deduct	-0.35		
		For >4,000 To 5,000, Deduct	-0.70		
		For >5,000, Deduct	-1.10		
		For Individual Room Quantities <495, Add	1.83		
		Note: For use with projects >500 SF. Other quantity discounts would apply.			
		For Ceilings >10' High, Add	0.16		

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 51 13 00-0102	SF 2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	10.31		0.81
	For Up To 50, Add	2.51		
	For >50 To 200, Add	1.52		
	For >200 To 500, Add	0.64		
	For >2,500 To 4,000, Deduct	-0.26		
	For >4,000 To 5,000, Deduct	-0.52		
	For >5,000, Deduct	-0.83		
	For Individual Room Quantities <495, Add	1.52		
	Note: For use with projects >500 SF. Other quantity discounts would apply.			
	For Ceilings >10' High, Add	0.18		
09 51 13 00-0103	SF 2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	10.06		0.81
	For Up To 50, Add	2.38		
	For >50 To 200, Add	1.44		
	For >200 To 500, Add	0.61		
	For >2,500 To 4,000, Deduct	-0.25		
	For >4,000 To 5,000, Deduct	-0.50		
	For >5,000, Deduct	-0.81		
	For Individual Room Quantities <495, Add	1.44		
	Note: For use with projects >500 SF. Other quantity discounts would apply.			
	For Ceilings >10' High, Add	0.16		
09 51 13 00-0104	Removal And Reinstallation Of Acoustical Ceiling Panels (09 51 13)			
	Note: 2'x2' Or 2'x4'. Includes storage and cleaning.			
09 51 13 00-0105	SF Removal And Reinstallation Of Acoustical Panels Only	2.77		
	For Up To 50, Add	1.52		
	For >50 To 200, Add	0.83		
	For >200 To 500, Add	0.28		
	For >2,500 To 4,000, Deduct	-0.07		
	For >4,000 To 5,000, Deduct	-0.14		
	For >5,000, Deduct	-0.28		
	For Ceilings >10' High, Add	0.21		
09 51 23	Acoustical Tile Ceilings (09 51)			
	Note: Includes fastening with staples and/or adhesive.			
09 51 23 00-0001	Mineral Fiber Acoustical Tile Ceilings (09 51 23)			
09 51 23 00-0002	SF 12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	6.71		1.49
	For Furring 1 x 3 Strips 12" On Center, Add	0.50		
	For Up To 50, Add	2.36		
	For >50 To 200, Add	1.35		
	For >200 To 500, Add	0.51		
	For >2,500, Deduct	-0.34		
	For Ceilings >10' High, Add	0.25		
09 51 23 00-0003	SF 12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	7.96		1.49
	For Furring 1 x 3 Strips 12" On Center, Add	0.50		
	For Up To 50, Add	2.55		
	For >50 To 200, Add	1.47		
	For >200 To 500, Add	0.57		
	For >2,500, Deduct	-0.40		
	For Placing Tiles In Suspended Ceiling System, Deduct	-0.52		
	For Ceilings >10' High, Add	0.25		
09 51 23 00-0004	SF 12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	8.95		1.49
	For Furring 1 x 3 Strips 12" On Center, Add	0.50		
	For Up To 50, Add	2.70		
	For >50 To 200, Add	1.57		
	For >200 To 500, Add	0.62		
	For >2,500, Deduct	-0.45		
	For Placing Tiles In Suspended Ceiling System, Deduct	-0.52		
	For Ceilings >10' High, Add	0.25		
09 51 23 00-0005	Wood Fiber Acoustical Tile Ceilings (09 51 23)			
09 51 23 00-0006	SF 12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	6.19		1.49
	For Furring 1 x 3 Strips 12" On Center, Add	0.50		
	For Up To 50, Add	2.28		
	For >50 To 200, Add	1.30		
	For >200 To 500, Add	0.48		
	For >2,500, Deduct	-0.31		
	For Ceilings >10' High, Add	0.25		
09 51 33	Acoustical Metal Pan Ceilings (09 51)			
09 51 33 13	Acoustical Snap-in Metal Pan Ceilings (09 51 33)			
09 51 33 13-0001	Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)			
09 51 33 13-0002	SF 24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	24.20		1.19
09 51 33 13-0003	SF 24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	25.89		1.19
09 51 33 13-0004	Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13)			
09 51 33 13-0005	SF 24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.06		1.36
09 51 33 13-0006	SF 24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.61		1.36

		Finishes	09	9
		Ceilings	09 50	
		Acoustical Ceilings	09 51	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	59.85	1.36
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	27.13	1.36
09 51 33 13-0009	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	19.07	1.36
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.82	1.36
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	59.40	1.36
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	26.91	1.36
09 51 33 13-0013	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.56	1.36
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.29	1.36
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	66.01	1.36
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	31.95	1.36
09 51 33 13-0017	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	26.01	1.36
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	33.07	1.36
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	68.25	1.36
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.73	1.36
09 51 33 13-0021	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.20	1.36
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	36.32	1.36
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	64.55	1.36
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	31.17	1.36
09 51 33 13-0025	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.88	1.36
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	36.77	1.36
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	66.90	1.36
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.17	1.36
09 51 33 13-0029	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.59	1.36
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	27.00	1.36
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	56.13	1.36
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.65	1.36
09 51 33 13-0033	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.71	1.36
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	26.77	1.36
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	56.24	1.36
09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.65	1.36

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)

09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	18.83	1.02
		For Up To 50, Add	3.64	
		For >50 To 200, Add	2.29	
		For >200 To 500, Add	1.04	
		For >2,500 To 4,000, Deduct	-0.47	
		For >4,000 To 5,000, Deduct	-0.94	
		For >5,000, Deduct	-1.46	
		For Ceilings >10' High, Add	0.15	
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	21.36	1.02
		For Up To 50, Add	4.02	
		For >50 To 200, Add	2.54	
		For >200 To 500, Add	1.17	
		For >2,500 To 4,000, Deduct	-0.53	
		For >4,000 To 5,000, Deduct	-1.07	
		For >5,000, Deduct	-1.65	
		For Ceilings >10' High, Add	0.15	

09 Finishes**09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 51 33 23-0005	SF 24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	31.44	1.02
	For Up To 50, Add	5.53	
	For >50 To 200, Add	3.55	
	For >200 To 500, Add	1.67	
	For >2,500 To 4,000, Deduct	-0.79	
	For >4,000 To 5,000, Deduct	-1.57	
	For >5,000, Deduct	-2.41	
	For Ceilings >10' High, Add	0.15	
09 51 33 23-0006	SF 24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	26.68	1.02
	For Up To 50, Add	4.81	
	For >50 To 200, Add	3.07	
	For >200 To 500, Add	1.44	
	For >2,500 To 4,000, Deduct	-0.67	
	For >4,000 To 5,000, Deduct	-1.33	
	For >5,000, Deduct	-2.05	
	For Ceilings >10' High, Add	0.15	
09 51 33 23-0007	SF 24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.64	1.02
	For Up To 50, Add	5.11	
	For >50 To 200, Add	3.27	
	For >200 To 500, Add	1.53	
	For >2,500 To 4,000, Deduct	-0.72	
	For >4,000 To 5,000, Deduct	-1.43	
	For >5,000, Deduct	-2.20	
	For Ceilings >10' High, Add	0.15	
09 51 33 23-0008	SF 24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	45.16	1.02
	For Up To 50, Add	7.59	
	For >50 To 200, Add	4.92	
	For >200 To 500, Add	2.36	
	For >2,500 To 4,000, Deduct	-1.13	
	For >4,000 To 5,000, Deduct	-2.26	
	For >5,000, Deduct	-3.44	
	For Ceilings >10' High, Add	0.15	
09 51 33 23-0009	SF 30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	28.20	1.02
	For Up To 50, Add	5.04	
	For >50 To 200, Add	3.23	
	For >200 To 500, Add	1.51	
	For >2,500 To 4,000, Deduct	-0.71	
	For >4,000 To 5,000, Deduct	-1.41	
	For >5,000, Deduct	-2.17	
	For Ceilings >10' High, Add	0.15	
09 51 33 23-0010	SF 30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.01	1.02
	For Up To 50, Add	6.06	
	For >50 To 200, Add	3.91	
	For >200 To 500, Add	1.85	
	For >2,500 To 4,000, Deduct	-0.88	
	For >4,000 To 5,000, Deduct	-1.75	
	For >5,000, Deduct	-2.68	
	For Ceilings >10' High, Add	0.15	
09 51 33 23-0011	SF 48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	28.36	1.02
	For Up To 50, Add	5.07	
	For >50 To 200, Add	3.24	
	For >200 To 500, Add	1.52	
	For >2,500 To 4,000, Deduct	-0.71	
	For >4,000 To 5,000, Deduct	-1.42	
	For >5,000, Deduct	-2.18	
	For Ceilings >10' High, Add	0.15	
09 51 33 23-0012	SF 48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.22	1.02
	For Up To 50, Add	6.10	
	For >50 To 200, Add	3.93	
	For >200 To 500, Add	1.86	
	For >2,500 To 4,000, Deduct	-0.88	
	For >4,000 To 5,000, Deduct	-1.76	
	For >5,000, Deduct	-2.69	
	For Ceilings >10' High, Add	0.15	
09 51 33 23-0013	SF 12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	28.50	1.02
	For Up To 50, Add	5.09	
	For >50 To 200, Add	3.26	
	For >200 To 500, Add	1.53	
	For >2,500 To 4,000, Deduct	-0.71	
	For >4,000 To 5,000, Deduct	-1.43	
	For >5,000, Deduct	-2.19	
	For Ceilings >10' High, Add	0.15	
09 51 33 23-0014	SF 12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	35.08	1.02
	For Up To 50, Add	6.07	
	For >50 To 200, Add	3.91	
	For >200 To 500, Add	1.86	
	For >2,500 To 4,000, Deduct	-0.88	
	For >4,000 To 5,000, Deduct	-1.75	
	For >5,000, Deduct	-2.68	
	For Ceilings >10' High, Add	0.15	
09 51 33 23-0015	SF 24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	28.50	1.02
	For Up To 50, Add	5.09	
	For >50 To 200, Add	3.26	
	For >200 To 500, Add	1.53	
	For >2,500 To 4,000, Deduct	-0.71	
	For >4,000 To 5,000, Deduct	-1.43	
	For >5,000, Deduct	-2.19	
	For Ceilings >10' High, Add	0.15	

			Finishes	09	09
			Ceilings	09 50	
			Acoustical Ceilings	09 51	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	35.36		1.02
		For Up To 50, Add	6.12		
		For >50 To 200, Add	3.94		
		For >200 To 500, Add	1.87		
		For >2,500 To 4,000, Deduct	-0.88		
		For >4,000 To 5,000, Deduct	-1.77		
		For >5,000, Deduct	-2.70		
		For Ceilings >10' High, Add	0.15		
09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)					
09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	24.35		1.02
		For Up To 50, Add	4.46		
		For >50 To 200, Add	2.84		
		For >200 To 500, Add	1.32		
		For >2,500 To 4,000, Deduct	-0.61		
		For >4,000 To 5,000, Deduct	-1.22		
		For >5,000, Deduct	-1.88		
		For Ceilings >10' High, Add	0.15		
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	29.05		1.02
		For Up To 50, Add	5.17		
		For >50 To 200, Add	3.31		
		For >200 To 500, Add	1.55		
		For >2,500 To 4,000, Deduct	-0.73		
		For >4,000 To 5,000, Deduct	-1.45		
		For >5,000, Deduct	-2.23		
		For Ceilings >10' High, Add	0.15		
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	31.18		1.02
		For Up To 50, Add	5.49		
		For >50 To 200, Add	3.52		
		For >200 To 500, Add	1.66		
		For >2,500 To 4,000, Deduct	-0.78		
		For >4,000 To 5,000, Deduct	-1.56		
		For >5,000, Deduct	-2.39		
		For Ceilings >10' High, Add	0.15		
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	29.28		1.02
		For Up To 50, Add	5.20		
		For >50 To 200, Add	3.33		
		For >200 To 500, Add	1.57		
		For >2,500 To 4,000, Deduct	-0.73		
		For >4,000 To 5,000, Deduct	-1.46		
		For >5,000, Deduct	-2.25		
		For Ceilings >10' High, Add	0.15		
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	30.06		1.02
		For Up To 50, Add	5.32		
		For >50 To 200, Add	3.41		
		For >200 To 500, Add	1.60		
		For >2,500 To 4,000, Deduct	-0.75		
		For >4,000 To 5,000, Deduct	-1.50		
		For >5,000, Deduct	-2.31		
		For Ceilings >10' High, Add	0.15		
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	31.85		1.02
		For Up To 50, Add	5.59		
		For >50 To 200, Add	3.59		
		For >200 To 500, Add	1.69		
		For >2,500 To 4,000, Deduct	-0.80		
		For >4,000 To 5,000, Deduct	-1.59		
		For >5,000, Deduct	-2.44		
		For Ceilings >10' High, Add	0.15		

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)

09 51 33 33-0001	Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)				
09 51 33 33-0002	Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)				
09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.74		1.02
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	19.98		1.02
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.27		1.02
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	20.20		1.02
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.89		1.02
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.84		1.02

09 53 Acoustical Ceiling Suspension Assemblies (09 50)

09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)

09 Finishes**09 50 Ceilings****09 53 Acoustical Ceiling Suspension Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)			
Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.			
09 53 23 00-0002	SF 1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	5.44	0.67
Note: Excludes ceiling tile.			
For Fastening To Concrete, Add		1.60	
For Fastening To Steel, Add		1.72	
For Vertical Application, Add		2.58	
For Individual Room Quantities <495, Add		0.57	
Note: For use with projects >500 SF. Other quantity discounts would apply.			
For Up To 50, Add		2.00	
For >50 To 200, Add		1.13	
For >200 To 500, Add		0.42	
For >2,500 To 4,000, Deduct		-0.12	
For >4,000 To 5,000, Deduct		-0.22	
For >5,000, Deduct		-0.32	
For Ceilings >10' High, Add		0.22	
09 53 23 00-0003	SF 1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	4.37	0.67
For UL Listed (Fire Guard), Add		0.29	
For 1-1/2" Wide Faced Grid, Add		0.53	
For Fastening To Concrete, Add		1.55	
For Fastening To Steel, Add		1.67	
For Vertical Application, Add		2.15	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add		2.50	
For Individual Room Quantities <495, Add		0.46	
Note: For use with projects >500 SF. Other quantity discounts would apply.			
For Aluminum T-Bar System, Add		0.86	
For Up To 50, Add		1.64	
For >50 To 200, Add		0.93	
For >200 To 500, Add		0.34	
For >2,500 To 4,000, Deduct		-0.10	
For >4,000 To 5,000, Deduct		-0.18	
For >5,000, Deduct		-0.26	
For Ceilings >10' High, Add		0.18	
09 53 23 00-0004	SF 2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.65	0.67
For UL Listed (Fire Guard), Add		0.21	
For 1-1/2" Wide Faced Grid, Add		0.39	
For Fastening To Concrete, Add		1.53	
For Fastening To Steel, Add		1.65	
For Vertical Application, Add		1.98	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add		2.50	
For Individual Room Quantities <495, Add		0.41	
Note: For use with projects >500 SF. Other quantity discounts would apply.			
For Aluminum T-Bar System, Add		0.63	
For Up To 50, Add		1.45	
For >50 To 200, Add		0.82	
For >200 To 500, Add		0.30	
For >2,500 To 4,000, Deduct		-0.08	
For >4,000 To 5,000, Deduct		-0.15	
For >5,000, Deduct		-0.23	
For Black Grid, Add		0.17	
For Ceilings >10' High, Add		0.17	
For Concealed Spline Grid, Add		0.57	
09 53 23 00-0005	SF 2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.03	0.67
For UL Listed (Fire Guard), Add		0.17	
For 1-1/2" Wide Faced Grid, Add		0.32	
For Fastening To Concrete, Add		1.49	
For Fastening To Steel, Add		1.61	
For Vertical Application, Add		1.90	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add		2.50	
For Individual Room Quantities <495, Add		0.34	
Note: For use with projects >500 SF. Other quantity discounts would apply.			
For Aluminum T-Bar System, Add		0.51	
For Up To 50, Add		1.21	
For >50 To 200, Add		0.68	
For >200 To 500, Add		0.25	
For >2,500 To 4,000, Deduct		-0.07	
For >4,000 To 5,000, Deduct		-0.13	
For >5,000, Deduct		-0.19	
For Black Grid, Add		0.14	
For Ceilings >10' High, Add		0.14	
For Concealed Spline Grid, Add		0.47	
09 53 23 00-0006	SF 1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.66	0.67
For UL Listed (Fire Guard), Add		0.15	
For 1-1/2" Wide Faced Grid, Add		0.29	
For Fastening To Concrete, Add		1.46	
For Fastening To Steel, Add		1.58	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add		2.50	
For Individual Room Quantities <495, Add		0.30	
Note: For use with projects >500 SF. Other quantity discounts would apply.			
For Aluminum T-Bar System, Add		0.46	
For Up To 50, Add		1.05	
For >50 To 200, Add		0.59	
For >200 To 500, Add		0.21	
For >2,500 To 4,000, Deduct		-0.06	
For >4,000 To 5,000, Deduct		-0.11	
For >5,000, Deduct		-0.16	
For Ceilings >10' High, Add		0.12	

Finishes			09
Ceilings			09 50
Acoustical Ceiling Suspension Assemblies			09 53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 53 23 00-0007	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	3.94	0.67
		For UL Listed (Fire Guard), Add	0.25	
		For Fastening To Concrete, Add	1.53	
		For Fastening To Steel, Add	1.65	
		For Vertical Application, Add	1.98	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
		For Individual Room Quantities <495, Add	0.42	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	1.50	
		For >50 To 200, Add	0.85	
		For >200 To 500, Add	0.31	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.16	
		For >5,000, Deduct	-0.24	
		For Black Grid, Add	0.21	
		For Ceilings >10' High, Add	0.17	
09 53 23 00-0008	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	3.26	0.67
		For UL Listed (Fire Guard), Add	0.20	
		For Fastening To Concrete, Add	1.49	
		For Fastening To Steel, Add	1.61	
		For Vertical Application, Add	1.90	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
		For Individual Room Quantities <495, Add	0.35	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	1.25	
		For >50 To 200, Add	0.71	
		For >200 To 500, Add	0.26	
		For >2,500 To 4,000, Deduct	-0.07	
		For >4,000 To 5,000, Deduct	-0.14	
		For >5,000, Deduct	-0.20	
		For Black Grid, Add	0.17	
		For Ceilings >10' High, Add	0.14	

09 53 23 00-0009 Ceiling Suspension System Accessories (09 53 23)

09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories	1.62	
09 53 23 00-0011	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	3.87	1.90
		For 304 Stainless Steel, Add	2.91	
		For 316 Stainless Steel, Add	3.26	
		For Aluminum, Add	0.18	
		For Galvanized Steel, Add	0.63	
09 53 23 00-0012	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	5.51	2.03
		For 304 Stainless Steel, Add	4.42	
		For 316 Stainless Steel, Add	4.96	
		For Aluminum, Add	0.28	
		For Galvanized Steel, Add	0.96	
09 53 23 00-0013	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	7.57	2.17
		For 304 Stainless Steel, Add	8.84	
		For 316 Stainless Steel, Add	9.92	
		For Aluminum, Add	0.56	
		For Galvanized Steel, Add	1.92	
09 53 23 00-0014	LF	12 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.02	
09 53 23 00-0015	LF	8 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.17	
09 53 23 00-0016	EA	2", Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee	8.46	0.39
		Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
09 53 23 00-0017	EA	Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum	34.15	9.62
		Note: Includes vertical centerl strut and four 12 gauge diagonal wires.		
09 53 23 00-0018	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	100.50	27.57
09 53 23 00-0019	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	104.26	28.10
09 53 23 00-0020	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	117.55	28.10

09 53 23 00-0021 Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly (09 53 23)

09 53 23 00-0022	SF	Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly	3.74	
		Note: Suspension system tie wire, wall angles and bracing to remain in place.		
		For Up To 50, Add	2.06	
		For >50 To 200, Add	1.12	
		For >200 To 500, Add	0.37	
		For >2,500 To 4,000, Deduct	-0.09	
		For >4,000 To 5,000, Deduct	-0.19	
		For >5,000, Deduct	-0.28	
		For Ceilings >10' High, Add	0.28	
09 53 23 00-0023	SF	Removal And Reinstallation Of Grid System Assembly	1.63	
		Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.		
		For Up To 50, Add	0.90	
		For >50 To 200, Add	0.49	
		For >200 To 500, Add	0.16	
		For >2,500 To 4,000, Deduct	-0.04	
		For >4,000 To 5,000, Deduct	-0.08	
		For >5,000, Deduct	-0.12	
		For Ceilings >10' High, Add	0.12	

09 54 Specialty Ceilings (09 50)

09 54 16 Luminous Ceilings (09 54)

09 Finishes**09 50 Ceilings****09 54 Specialty Ceilings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 54 16 00-0001 Translucent Ceiling Panels (09 54 16)			
09 54 16 00-0002	SF	2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel	3.61
		For Ceilings >10' High, Add	0.12
		For >100 To 200, Deduct	-0.14
		For >200 To 300, Deduct	-0.39
		For >300, Deduct	-0.67
09 54 23 Linear Metal Ceilings (09 54)			
09 54 23 00-0001 Linear Ceiling Systems (09 54 23)			
09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001)			
Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.			
09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	24.01
		For Up To 50, Add	6.25
		For >50 To 200, Add	3.73
		For >200 To 500, Add	1.53
		For >2,500, Deduct	-1.20
		For Ceilings >10' High, Add	0.50
		For Linear Ceiling Systems Without Filler Strips, Deduct	-4.32
		For Curved Ceilings, Add	1.55
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	19.41
		For Up To 50, Add	5.50
		For >50 To 200, Add	3.24
		For >200 To 500, Add	1.29
		For >2,500, Deduct	-0.97
		For Ceilings >10' High, Add	0.49
		For Linear Ceiling Systems Without Filler Strips, Deduct	-2.16
		For Curved Ceilings, Add	1.52
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	17.63
		For Up To 50, Add	5.18
		For >50 To 200, Add	3.03
		For >200 To 500, Add	1.20
		For >2,500, Deduct	-0.88
		For Ceilings >10' High, Add	0.48
		For Linear Ceiling Systems Without Filler Strips, Deduct	-1.44
		For Curved Ceilings, Add	1.49
09 54 23 00-0006 Tin Ceilings (09 54 23)			
09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels	22.82
		For Up To 50, Add	5.49
		For >50 To 200, Add	3.31
		For >200 To 500, Add	1.40
		For >2,500, Deduct	-1.14
		For Ceilings >10' High, Add	0.39
09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates	33.59
		For Up To 50, Add	7.21
		For >50 To 200, Add	4.45
		For >200 To 500, Add	1.95
		For >2,500, Deduct	-1.68
		For Ceilings >10' High, Add	0.41
09 54 23 00-0009	SF	12" x 24" Tin Ceiling Embossed Plates	24.63
		For Up To 50, Add	5.87
		For >50 To 200, Add	3.55
		For >200 To 500, Add	1.50
		For >2,500, Deduct	-1.23
		For Ceilings >10' High, Add	0.41
09 54 23 00-0010	SF	24" x 24" Tin Ceiling Embossed Plates	22.63
		For Up To 50, Add	5.40
		For >50 To 200, Add	3.27
		For >200 To 500, Add	1.38
		For >2,500, Deduct	-1.13
		For Ceilings >10' High, Add	0.38
09 54 23 00-0011	SF	24" x 48" Tin Ceiling Embossed Plates	19.75
		For Up To 50, Add	4.72
		For >50 To 200, Add	2.85
		For >200 To 500, Add	1.21
		For >2,500, Deduct	-0.99
		For Ceilings >10' High, Add	0.33
09 54 23 00-0012	LF	3" Or 4" Wide Embossed Molding	15.84
		For Ceilings >10' High, Add	0.60
09 54 23 00-0013	LF	6" Wide Embossed Molding	19.73
		For Ceilings >10' High, Add	0.67
09 54 23 00-0014	LF	12" Wide Embossed Molding	26.41
		For Ceilings >10' High, Add	0.85
09 54 23 00-0015	EA	3", 4" Or 6" Wide Embossed Cross, Tee Or Ell	46.06
		For Ceilings >10' High, Add	1.92
09 54 23 00-0016	EA	12" Wide Embossed Cross, Tee Or Ell	63.49
		For Ceilings >10' High, Add	2.30

09 57 Special Function Ceilings (09 50)**09 57 63 High Impact Ceilings** (09 57)**09 57 63 00-0001 High Impact Ceilings** (09 57 63)

		Finishes	09	9
		Ceilings	09 50	
		Special Function Ceilings	09 57	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

09 57 63 00-0002	SF Polyvinyl Chloride Face High Impact Ceiling Panels <i>For Ceilings >10' High, Add</i>	8.42 0.16	1.36	
09 57 63 00-0003	EA High Impact Clips..... <i>For Ceilings >10' High, Add</i>	5.01 0.25	1.09	

09 60 Flooring⁽⁰⁹⁾

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment^(09 60)

09 61 13 Slip-Resistant Flooring Treatment^(09 61)

09 61 13 00-0001	Anti-Slip Tape ^(09 61 13) Note: Grit sandpaper surface with adhesive back.			
09 61 13 00-0002	LF 1" Anti-Slip Tape	3.51	2.71	
09 61 13 00-0003	LF 2" Anti-Slip Tape	4.40	2.99	
09 61 13 00-0004	LF 3" Anti-Slip Tape	5.27	3.28	
09 61 13 00-0005	LF 4" Anti-Slip Tape	6.11	3.61	
09 61 13 00-0006	LF 6" Anti-Slip Tape	7.73	3.97	
09 61 13 00-0007	LF 12" Anti-Slip Tape	13.44	5.95	
09 61 13 00-0008	LF 24" Anti-Slip Tape	19.07	8.94	

09 63 Masonry Flooring^(09 60)

09 63 13 Brick Flooring^(09 63)

09 63 13 00-0001	Clay Bricks ^(09 63 13)			
09 63 13 00-0002	SF 2-1/4" Thick Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	31.91 2.32 3.09 5.59	10.85	
09 63 13 00-0003	SF 3" Thick Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	36.00 2.32 3.09 5.59	10.85	
09 63 13 00-0004	SF 1/2" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	20.41 2.32 3.09 5.59	10.85	
09 63 13 00-0005	SF 1/2" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	24.12 2.32 3.09 5.59	10.85	
09 63 13 00-0006	SF 3/4" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	22.07 2.32 3.09 5.59	10.85	
09 63 13 00-0007	SF 3/4" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	26.99 2.32 3.09 5.59	10.85	
09 63 13 00-0008	SF 15/16" Thick Unglazed Clay Brick Floor..... <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	23.67 2.32 3.09 5.59	10.85	
09 63 13 00-0009	SF 15/16" Thick Glazed Clay Brick Floor <i>For Basket Weave Pattern, Add</i> <i>For Herringbone Pattern, Add</i> <i>For Epoxy Joints, Add</i>	29.90 2.32 3.09 5.59	10.85	

09 63 43 Composition Stone Flooring^(09 63)

09 63 43 00-0001	Cupric Oxychloride Cement, Seamless Flooring System ^(09 63 43) Note: Chemical and slip resistant. OSHA and USDA approved.			
09 63 43 00-0002	SF 3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	20.34	6.55	

09 64 Wood Flooring^(09 60)

09 64 13 Wood Flooring Underlayment^(09 64)

09 64 13 00-0001	Wood Flooring Underlayment ^(09 64 13)			
09 64 13 00-0002	SF Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.58		
09 64 13 00-0003	SF Heavy Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.60		
09 64 13 00-0004	SF 30 Lb., Waxed Paper, Wood Flooring Underlayment.....	0.63		
09 64 13 00-0005	SF 15 Lb., Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.68		
09 64 13 00-0006	SF 6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.63		
09 64 13 00-0007	SF 8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.69		
09 64 13 00-0008	SF 1/8" Thick, Natural Cork, Wood Flooring Underlayment	2.58	0.41	
09 64 13 00-0009	SF 1/4" Thick, Natural Cork, Wood Flooring Underlayment	2.69	0.41	
09 64 13 00-0010	SF 3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.99		
09 64 13 00-0011	SF 2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	1.21		
09 64 13 00-0012	SF 4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	1.30		
09 64 13 00-0013	SF 2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.57		

09	09 Finishes
	09 60 Flooring
	09 64 Wood Flooring



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.59	0.27	
09 64 23	Wood Parquet Flooring	(09 64)			
Note: All wood parquet flooring is prefinished at factory.					
09 64 23 00-0001	Hardwood Parquet Flooring	(09 64 23)			
09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring	14.80	1.36	
		For Up To 20, Add	6.04		
		For >20 To 50, Add	3.18		
		For >50 To 100, Add	1.59		
		For >100 To 300, Add	0.79		
09 64 29	Wood Strip and Plank Flooring	(09 64)			
Note: All wood strip flooring is unfinished, tongue and groove.					
09 64 29 00-0001	Unfinished Fir, Wood Strip Flooring	(09 64 29)			
09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	15.58	1.36	
		For Factory Finish, Add	0.95		
		For Random Width Floor, Add	3.59		
		For Up To 20, Add	5.08		
		For >20 To 50, Add	2.78		
		For >50 To 100, Add	1.39		
		For >100 To 300, Add	0.69		
09 64 29 00-0003	Unfinished Oak, Wood Strip Flooring	(09 64 29)			
09 64 29 00-0004	Unfinished White Oak, Wood Strip Flooring	(09 64 29 00-0003)			
09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	12.92	1.36	
		For Factory Finish, Add	0.50		
		For Random Width Floor, Add	2.83		
		For Up To 20, Add	5.52		
		For >20 To 50, Add	2.89		
		For >50 To 100, Add	1.44		
		For >100 To 300, Add	0.72		
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	13.56	1.36	
		For Factory Finish, Add	0.56		
		For Random Width Floor, Add	2.99		
		For Up To 20, Add	5.62		
		For >20 To 50, Add	2.95		
		For >50 To 100, Add	1.48		
		For >100 To 300, Add	0.74		
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	14.53	1.36	
		For Factory Finish, Add	0.66		
		For Random Width Floor, Add	3.23		
		For Up To 20, Add	5.77		
		For >20 To 50, Add	3.05		
		For >50 To 100, Add	1.52		
		For >100 To 300, Add	0.76		
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	11.26	1.36	
		For Factory Finish, Add	0.52		
		For Random Width Floor, Add	2.51		
		For Up To 20, Add	4.43		
		For >20 To 50, Add	2.35		
		For >50 To 100, Add	1.17		
		For >100 To 300, Add	0.59		
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	11.78	1.36	
		For Factory Finish, Add	0.57		
		For Random Width Floor, Add	2.64		
		For Up To 20, Add	4.51		
		For >20 To 50, Add	2.40		
		For >50 To 100, Add	1.20		
		For >100 To 300, Add	0.60		
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	12.77	1.36	
		For Factory Finish, Add	0.67		
		For Random Width Floor, Add	2.89		
		For Up To 20, Add	4.66		
		For >20 To 50, Add	2.50		
		For >50 To 100, Add	1.25		
		For >100 To 300, Add	0.62		
09 64 29 00-0011	Unfinished Red Oak, Wood Strip Flooring	(09 64 29 00-0003)			
09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	13.03	1.36	
		For Factory Finish, Add	0.51		
		For Random Width Floor, Add	2.86		
		For Up To 20, Add	5.54		
		For >20 To 50, Add	2.90		
		For >50 To 100, Add	1.45		
		For >100 To 300, Add	0.72		
09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	13.67	1.36	
		For Factory Finish, Add	0.57		
		For Random Width Floor, Add	3.02		
		For Up To 20, Add	5.64		
		For >20 To 50, Add	2.96		
		For >50 To 100, Add	1.48		
		For >100 To 300, Add	0.74		

			Finishes		09	09
			Flooring		09 60	
			Wood Flooring		09 64	
MINOR			TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION			UNIT COST		UNIT COST	
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	14.64		1.36	
		For Factory Finish, Add	0.67			
		For Random Width Floor, Add	3.26			
		For Up To 20, Add	5.78			
		For >20 To 50, Add	3.06			
		For >50 To 100, Add	1.53			
		For >100 To 300, Add	0.76			
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	11.37		1.36	
		For Factory Finish, Add	0.53			
		For Random Width Floor, Add	2.54			
		For Up To 20, Add	4.45			
		For >20 To 50, Add	2.36			
		For >50 To 100, Add	1.18			
		For >100 To 300, Add	0.59			
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	12.02		1.36	
		For Factory Finish, Add	0.59			
		For Random Width Floor, Add	2.70			
		For Up To 20, Add	4.55			
		For >20 To 50, Add	2.42			
		For >50 To 100, Add	1.21			
		For >100 To 300, Add	0.61			
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	12.88		1.36	
		For Factory Finish, Add	0.68			
		For Random Width Floor, Add	2.92			
		For Up To 20, Add	4.68			
		For >20 To 50, Add	2.51			
		For >50 To 100, Add	1.25			
		For >100 To 300, Add	0.63			
09 64 29 00-0018	Unfinished Maple, Wood Strip Flooring (09 64 29)					
09 64 29 00-0019	25/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)					
09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	15.39		1.36	
		For Factory Finish, Add	0.74			
		For Random Width Floor, Add	3.45			
		For Up To 20, Add	5.90			
		For >20 To 50, Add	3.13			
		For >50 To 100, Add	1.57			
		For >100 To 300, Add	0.78			
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	14.32		1.36	
		For Factory Finish, Add	0.64			
		For Random Width Floor, Add	3.18			
		For Up To 20, Add	5.73			
		For >20 To 50, Add	3.03			
		For >50 To 100, Add	1.51			
		For >100 To 300, Add	0.76			
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	13.95		1.36	
		For Factory Finish, Add	0.79			
		For Random Width Floor, Add	3.18			
		For Up To 20, Add	4.84			
		For >20 To 50, Add	2.62			
		For >50 To 100, Add	1.31			
		For >100 To 300, Add	0.65			
09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	12.88		1.36	
		For Factory Finish, Add	0.68			
		For Random Width Floor, Add	2.92			
		For Up To 20, Add	4.68			
		For >20 To 50, Add	2.51			
		For >50 To 100, Add	1.25			
		For >100 To 300, Add	0.63			
09 64 29 00-0024	33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)					
09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	17.71		1.36	
		For Factory Finish, Add	0.97			
		For Random Width Floor, Add	4.03			
		For Up To 20, Add	6.24			
		For >20 To 50, Add	3.37			
		For >50 To 100, Add	1.68			
		For >100 To 300, Add	0.84			
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	16.27		1.36	
		For Factory Finish, Add	0.83			
		For Random Width Floor, Add	3.67			
		For Up To 20, Add	6.03			
		For >20 To 50, Add	3.22			
		For >50 To 100, Add	1.61			
		For >100 To 300, Add	0.81			
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	16.42		1.36	
		For Factory Finish, Add	1.03			
		For Random Width Floor, Add	3.80			
		For Up To 20, Add	5.21			
		For >20 To 50, Add	2.86			
		For >50 To 100, Add	1.43			
		For >100 To 300, Add	0.72			

09 Finishes**09 60 Flooring****09 64 Wood Flooring**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	14.98	1.36
		<i>For Factory Finish, Add</i>	0.89	
		<i>For Random Width Floor, Add</i>	3.44	
		<i>For Up To 20, Add</i>	4.99	
		<i>For >20 To 50, Add</i>	2.72	
		<i>For >50 To 100, Add</i>	1.36	
		<i>For >100 To 300, Add</i>	0.68	

09 64 29 00-0029 Prefinished Engineered Wood Flooring (09 64 29)

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	16.58	1.36
		<i>For Up To 20, Add</i>	4.88	
		<i>For >20 To 50, Add</i>	2.72	
		<i>For >50 To 100, Add</i>	1.36	
		<i>For >100 To 300, Add</i>	0.68	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	16.58	1.36
		<i>For Up To 20, Add</i>	4.88	
		<i>For >20 To 50, Add</i>	2.72	
		<i>For >50 To 100, Add</i>	1.36	
		<i>For >100 To 300, Add</i>	0.68	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	16.58	1.36
		<i>For Up To 20, Add</i>	4.88	
		<i>For >20 To 50, Add</i>	2.72	
		<i>For >50 To 100, Add</i>	1.36	
		<i>For >100 To 300, Add</i>	0.68	
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	16.97	1.36
		<i>For Up To 20, Add</i>	4.94	
		<i>For >20 To 50, Add</i>	2.76	
		<i>For >50 To 100, Add</i>	1.38	
		<i>For >100 To 300, Add</i>	0.69	

09 64 66 Wood Athletic Flooring (09 64)

Note: 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors Applied On Existing Subfloor (09 64 66)

Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.

09 64 66 00-0002	SF	25/32" Maple Wood Gym/Stage/Dance Floor	15.89	6.78
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0003	SF	33/32" Maple Wood Gym/Stage/Dance Floor	18.35	7.05
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	

09 64 66 00-0004 Wood Gym/Stage/Dance Floor Systems (09 64 66)

Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0005	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion).....	20.90	8.82
		Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0006	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok).....	21.79	8.82
		Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0007	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex).....	23.43	8.82
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0008	SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus).....	22.64	8.82
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	
09 64 66 00-0009	SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock).....	26.33	8.82
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
		<i>For Oak Or Birch, Deduct</i>	-0.20	
		<i>For Pine, Deduct</i>	-0.30	
		<i>For #1 Grade Material, Add</i>	0.50	

09 65 Resilient Flooring (09 60)

See CSI section 03 54 16 00-0001 for self-leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories (09 65)

			Finishes	09	2
			Flooring	09 60	
			Resilient Flooring	09 65	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 65 13 13 Resilient Base (09 65 13)

09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0002	LF	2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.46	1.68
		For Up To 20, Add	2.16	
		For >20 To 40, Add	1.22	
		For >40 To 80, Add	0.44	
		For >240 To 960, Deduct	-0.38	
		For >960, Deduct	-0.57	
09 65 13 13-0003	LF	3" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.88	1.68
		For Up To 20, Add	2.23	
		For >20 To 40, Add	1.26	
		For >40 To 80, Add	0.46	
		For >240 To 960, Deduct	-0.42	
		For >960, Deduct	-0.63	
09 65 13 13-0004	LF	4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.25	1.68
		For Up To 20, Add	2.28	
		For >20 To 40, Add	1.30	
		For >40 To 80, Add	0.48	
		For >240 To 960, Deduct	-0.46	
		For >960, Deduct	-0.69	
09 65 13 13-0005	LF	4-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.62	1.68
		For Up To 20, Add	2.34	
		For >20 To 40, Add	1.33	
		For >40 To 80, Add	0.50	
		For >240 To 960, Deduct	-0.49	
		For >960, Deduct	-0.74	
09 65 13 13-0006	LF	6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	7.96	1.68
		For Up To 20, Add	2.54	
		For >20 To 40, Add	1.47	
		For >40 To 80, Add	0.57	
		For >240 To 960, Deduct	-0.63	
		For >960, Deduct	-0.94	

09 65 13 13-0007 Type TP Thermoplastic Rubber Wall Base (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0008	LF	2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.97	1.68
		For Up To 20, Add	2.24	
		For >20 To 40, Add	1.27	
		For >40 To 80, Add	0.47	
		For >240 To 960, Deduct	-0.43	
		For >960, Deduct	-0.64	
09 65 13 13-0009	LF	3" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.49	1.68
		For Up To 20, Add	2.32	
		For >20 To 40, Add	1.32	
		For >40 To 80, Add	0.49	
		For >240 To 960, Deduct	-0.48	
		For >960, Deduct	-0.72	
09 65 13 13-0010	LF	4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.57	1.68
		For Up To 20, Add	2.33	
		For >20 To 40, Add	1.33	
		For >40 To 80, Add	0.50	
		For >240 To 960, Deduct	-0.49	
		For >960, Deduct	-0.73	
09 65 13 13-0011	LF	4-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.97	1.68
		For Up To 20, Add	2.39	
		For >20 To 40, Add	1.37	
		For >40 To 80, Add	0.52	
		For >240 To 960, Deduct	-0.53	
		For >960, Deduct	-0.79	
09 65 13 13-0012	LF	6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.21	1.68
		For Up To 20, Add	2.58	
		For >20 To 40, Add	1.49	
		For >40 To 80, Add	0.58	
		For >240 To 960, Deduct	-0.65	
		For >960, Deduct	-0.98	
09 65 13 13-0013	LF	2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	10.54	1.68
		For Up To 20, Add	2.93	
		For >20 To 40, Add	1.73	
		For >40 To 80, Add	0.70	
		For >240 To 960, Deduct	-0.89	
		For >960, Deduct	-1.33	
09 65 13 13-0014	LF	3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	11.04	1.68
		For Up To 20, Add	3.00	
		For >20 To 40, Add	1.78	
		For >40 To 80, Add	0.72	
		For >240 To 960, Deduct	-0.94	
		For >960, Deduct	-1.40	
09 65 13 13-0015	LF	4" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	12.60	1.68
		For Up To 20, Add	3.23	
		For >20 To 40, Add	1.93	
		For >40 To 80, Add	0.80	
		For >240 To 960, Deduct	-1.09	
		For >960, Deduct	-1.64	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 65 13 13-0016	LF 4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	13.64		1.68
	For Up To 20, Add	3.39		
	For >20 To 40, Add	2.04		
	For >40 To 80, Add	0.85		
	For >240 To 960, Deduct	-1.20		
	For >960, Deduct	-1.79		
09 65 13 13-0017	LF 6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	18.79		1.68
	For Up To 20, Add	4.16		
	For >20 To 40, Add	2.55		
	For >40 To 80, Add	1.11		
	For >240 To 960, Deduct	-1.71		
	For >960, Deduct	-2.57		
09 65 13 13-0018	Type TS Thermoset Vulcanized Rubber Wall Base (09 65 13 13)			
	Note: Includes inside and outside corners.			
09 65 13 13-0019	LF 2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.63		2.02
	For Up To 20, Add	2.34		
	For >20 To 40, Add	1.34		
	For >40 To 80, Add	0.50		
	For >240 To 960, Deduct	-0.50		
	For >960, Deduct	-0.74		
09 65 13 13-0020	LF 3" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	7.28		2.02
	For Up To 20, Add	2.44		
	For >20 To 40, Add	1.40		
	For >40 To 80, Add	0.53		
	For >240 To 960, Deduct	-0.56		
	For >960, Deduct	-0.84		
09 65 13 13-0021	LF 4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.65		1.68
	For Up To 20, Add	2.34		
	For >20 To 40, Add	1.34		
	For >40 To 80, Add	0.50		
	For >240 To 960, Deduct	-0.50		
	For >960, Deduct	-0.75		
09 65 13 13-0022	LF 4-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	7.06		1.68
	For Up To 20, Add	2.40		
	For >20 To 40, Add	1.38		
	For >40 To 80, Add	0.52		
	For >240 To 960, Deduct	-0.54		
	For >960, Deduct	-0.81		
09 65 13 13-0023	LF 6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	9.73		2.02
	For Up To 20, Add	3.08		
	For >20 To 40, Add	1.78		
	For >40 To 80, Add	0.69		
	For >240 To 960, Deduct	-0.77		
	For >960, Deduct	-1.16		
09 65 13 23	Resilient Stair Treads and Risers (09 65 13)			
	Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread.			
	All colors.			
09 65 13 23-0001	Rubber Stair Treads and Risers (09 65 13 23)			
09 65 13 23-0002	Raised Disc Or Other Patterned Rubber Stair Tread (09 65 13 23-0001)			
09 65 13 23-0003	LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	18.47		2.69
	Note: Raised disc or other pattern.			
	For Abrasive Strip, Add	2.75		
	For Photo Luminescent Abrasive Strip, Add	3.75		
09 65 13 23-0004	LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	19.85		2.89
	Note: Raised disc or other pattern.			
	For Abrasive Strip, Add	2.75		
	For Photo Luminescent Abrasive Strip, Add	3.75		
09 65 13 23-0005	LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	23.74		3.09
	Note: Raised disc or other pattern.			
	For Abrasive Strip, Add	2.75		
	For Photo Luminescent Abrasive Strip, Add	3.75		
09 65 13 23-0006	Smooth Surface Rubber Stair Tread (09 65 13 23-0001)			
09 65 13 23-0007	LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	17.54		2.69
	Note: Smooth surface.			
	For Abrasive Strip, Add	2.75		
	For Photo Luminescent Abrasive Strip, Add	3.75		
09 65 13 23-0008	LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	18.49		2.89
	Note: Smooth surface.			
	For Abrasive Strip, Add	2.75		
	For Photo Luminescent Abrasive Strip, Add	3.75		
09 65 13 23-0009	LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	22.37		3.10
	Note: Smooth surface.			
	For Abrasive Strip, Add	2.75		
	For Photo Luminescent Abrasive Strip, Add	3.75		
09 65 13 23-0010	Smooth Surface Rubber Stair Riser (09 65 13 23-0001)			
09 65 13 23-0011	LF 1/8" Thick, Smooth Surface Rubber Stair Riser	10.23		1.62
09 65 13 23-0012	Smooth, Raised Disc or Other Patterned Rubber Landing Mats (09 65 13 23-0001)			

		Finishes	09	09
		Flooring	09 60	
		Resilient Flooring	09 65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0013	SF		1/8" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	29.23	2.49
09 65 13 23-0014	SF		3/16" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	34.83	2.69
09 65 13 23-0015	SF		7/32" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	37.69	3.02
09 65 13 23-0016			Vinyl Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0017			Ribbed Vinyl Stair Tread (09 65 13 23-0016)		
09 65 13 23-0018	LF		1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... For Abrasive Strip, Add	20.33 2.75	2.45
09 65 13 23-0019	LF		3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... For Abrasive Strip, Add	22.45 2.75	2.69
09 65 13 23-0020	LF		1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... For Abrasive Strip, Add	26.85 2.75	2.90
09 65 13 23-0021			Smooth Surface Vinyl Stair Riser (09 65 13 23-0016)		
09 65 13 23-0022	LF		1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	11.38	1.62
09 65 13 23-0023			Rubber Stair Treads (09 65 13 23)		
09 65 13 23-0024	LF		Stair Tread (Norament Grano).....	39.24	2.90
09 65 13 23-0025	LF		Solid Stair Tread	35.50	2.90
09 65 13 23-0026	LF		Visibly Impaired (VI) Strip	12.01	2.90
09 65 13 33			Resilient Accessories (09 65 13)		
09 65 13 33-0001			Flexible Self Leveling Cementitious Underlayments (09 65 13 33)		
09 65 13 33-0002	SF		1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.29	1.35
09 65 13 33-0003	SF		1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	3.46	1.35
09 65 13 33-0004			Concrete Floor Prep (09 65 13 33)		
09 65 13 33-0005	SF		Removal Of Glue From Concrete Floor	1.68	
			Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.		
09 65 13 36			Resilient Carpet Transitions (09 65 13)		
09 65 13 36-0001			Vinyl Transition Strip (09 65 13 36)		
09 65 13 36-0002	LF		Vinyl Transition Strip, Brown Or Black	3.10	1.22
			For Up To 20, Add	1.14	
			For >20 To 40, Add	0.65	
			For >40 To 80, Add	0.24	
			For >240 To 960, Deduct	-0.23	
			For >960, Deduct	-0.34	
09 65 13 36-0003	LF		Vinyl Floor Tile Reducer Strip, Brown Or Black	2.80	1.22
			For Up To 20, Add	1.09	
			For >20 To 40, Add	0.62	
			For >40 To 80, Add	0.22	
			For >240 To 960, Deduct	-0.20	
			For >960, Deduct	-0.29	
09 65 13 36-0004	LF		Vinyl Floor Tile Feature Strip, Brown Or Black.....	2.44	1.22
			For Up To 20, Add	1.04	
			For >20 To 40, Add	0.58	
			For >40 To 80, Add	0.21	
			For >240 To 960, Deduct	-0.16	
			For >960, Deduct	-0.24	
09 65 13 36-0005	LF		1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A).....	3.94	1.68
			For Up To 20, Add	1.67	
			For >20 To 40, Add	0.93	
			For >40 To 80, Add	0.33	
			For >240 To 960, Deduct	-0.26	
			For >960, Deduct	-0.39	
09 65 13 36-0006			Vinyl, Wheeled Traffic Transitions (09 65 13 36)		
09 65 13 36-0007	LF		1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	4.75	1.68
			For Up To 20, Add	1.79	
			For >20 To 40, Add	1.01	
			For >40 To 80, Add	0.37	
			For >240 To 960, Deduct	-0.34	
			For >960, Deduct	-0.51	
09 65 13 36-0008	LF		1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	4.75	1.68
			For Up To 20, Add	1.79	
			For >20 To 40, Add	1.01	
			For >40 To 80, Add	0.37	
			For >240 To 960, Deduct	-0.34	
			For >960, Deduct	-0.51	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 65 13 36-0009	LF 5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	5.67		1.68
	For Up To 20, Add	1.93		
	For >20 To 40, Add	1.11		
	For >40 To 80, Add	0.42		
	For >240 To 960, Deduct	-0.43		
	For >960, Deduct	-0.65		
09 65 13 36-0010	LF 1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	8.92		1.68
	For Up To 20, Add	2.41		
	For >20 To 40, Add	1.43		
	For >40 To 80, Add	0.58		
	For >240 To 960, Deduct	-0.76		
	For >960, Deduct	-1.14		
09 65 13 36-0011	LF 1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	8.94		1.68
	For Up To 20, Add	2.42		
	For >20 To 40, Add	1.43		
	For >40 To 80, Add	0.58		
	For >240 To 960, Deduct	-0.76		
	For >960, Deduct	-1.14		
09 65 13 36-0012	LF 1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	6.15		1.68
	For Up To 20, Add	2.00		
	For >20 To 40, Add	1.15		
	For >40 To 80, Add	0.44		
	For >240 To 960, Deduct	-0.48		
	For >960, Deduct	-0.72		
09 65 13 36-0013	LF 1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	8.71		1.68
	For Up To 20, Add	2.38		
	For >20 To 40, Add	1.41		
	For >40 To 80, Add	0.57		
	For >240 To 960, Deduct	-0.74		
	For >960, Deduct	-1.10		
09 65 13 36-0014	LF 1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	9.00		1.68
	For Up To 20, Add	2.43		
	For >20 To 40, Add	1.44		
	For >40 To 80, Add	0.58		
	For >240 To 960, Deduct	-0.77		
	For >960, Deduct	-1.15		
09 65 13 36-0015	LF 3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	7.69		1.68
	For Up To 20, Add	2.23		
	For >20 To 40, Add	1.31		
	For >40 To 80, Add	0.52		
	For >240 To 960, Deduct	-0.63		
	For >960, Deduct	-0.95		
09 65 13 36-0016	LF 3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	8.33		1.68
	For Up To 20, Add	2.33		
	For >20 To 40, Add	1.37		
	For >40 To 80, Add	0.55		
	For >240 To 960, Deduct	-0.70		
	For >960, Deduct	-1.05		
09 65 13 36-0017	LF 1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	9.00		1.68
	For Up To 20, Add	2.43		
	For >20 To 40, Add	1.44		
	For >40 To 80, Add	0.58		
	For >240 To 960, Deduct	-0.77		
	For >960, Deduct	-1.15		
09 65 13 36-0018	LF 1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	7.56		1.68
	For Up To 20, Add	2.21		
	For >20 To 40, Add	1.29		
	For >40 To 80, Add	0.51		
	For >240 To 960, Deduct	-0.62		
	For >960, Deduct	-0.93		
09 65 13 36-0019	LF 3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	6.50		1.68
	For Up To 20, Add	2.05		
	For >20 To 40, Add	1.19		
	For >40 To 80, Add	0.46		
	For >240 To 960, Deduct	-0.52		
	For >960, Deduct	-0.77		
09 65 13 36-0020	LF 3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	9.23		1.68
	For Up To 20, Add	2.46		
	For >20 To 40, Add	1.46		
	For >40 To 80, Add	0.60		
	For >240 To 960, Deduct	-0.79		
	For >960, Deduct	-1.18		
09 65 13 36-0021	LF 1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	11.69		1.68
	For Up To 20, Add	2.83		
	For >20 To 40, Add	1.71		
	For >40 To 80, Add	0.72		
	For >240 To 960, Deduct	-1.03		
	For >960, Deduct	-1.55		
09 65 13 36-0022	LF 0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	6.33		1.68
	For Up To 20, Add	2.03		
	For >20 To 40, Add	1.17		
	For >40 To 80, Add	0.45		
	For >240 To 960, Deduct	-0.50		
	For >960, Deduct	-0.75		
09 65 13 36-0023	LF 0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	6.42		1.68
	For Up To 20, Add	2.04		
	For >20 To 40, Add	1.18		
	For >40 To 80, Add	0.46		
	For >240 To 960, Deduct	-0.51		
	For >960, Deduct	-0.76		

		Finishes	09	2
		Flooring	09 60	
		Resilient Flooring	09 65	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

09 65 13 36-0024	LF 0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	7.19	1.68
	For Up To 20, Add	2.15	
	For >20 To 40, Add	1.26	
	For >40 To 80, Add	0.49	
	For >240 To 960, Deduct	-0.58	
	For >960, Deduct	-0.88	

09 65 16 Resilient Sheet Flooring (09 65)
Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring (09 65 16)

09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF 0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	12.05	1.00
	For Up To 40, Add	5.09	
	For >40 To 100, Add	2.54	
	For >1,000, Deduct	-1.00	
09 65 16 23-0003	SF 0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintone™ Or Medley™)	9.91	1.00
	For Up To 40, Add	4.66	
	For >40 To 100, Add	2.33	
	For >1,000, Deduct	-0.79	
09 65 16 23-0004	SF 0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	6.59	1.00
	For Up To 40, Add	4.00	
	For >40 To 100, Add	2.00	
	For >1,000, Deduct	-0.45	
09 65 16 23-0005	SF 0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	8.44	1.00
	For Up To 40, Add	4.37	
	For >40 To 100, Add	2.18	
	For >1,000, Deduct	-0.64	
09 65 16 23-0006	SF 0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring	11.19	1.00
	For Up To 40, Add	4.92	
	For >40 To 100, Add	2.46	
	For >1,000, Deduct	-0.91	
09 65 16 23-0007	SF 0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring	15.32	1.00
	For Up To 40, Add	5.74	
	For >40 To 100, Add	2.87	
	For >1,000, Deduct	-1.33	

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23)

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	9.34
09 65 16 23-0010	LF Heat Weld Patterned Vinyl Sheet Flooring Seams	9.79

09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23)

Note: Excludes heat welding.

09 65 16 23-0012	EA Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	22.43
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09 65 16 23-0013 Vinyl Sheet Flooring Accessories (09 65 16 23)

09 65 16 23-0014	LF 1/2" Radius Vinyl Cove Filler Strip	5.01
09 65 16 23-0015	LF 1-1/4" Radius Vinyl Cove Filler Strip	4.57
09 65 16 23-0016	LF 1-1/2" Radius Vinyl Cove Filler Strip	6.79
09 65 16 23-0017	LF 1/8" Aluminum Cove Cap.....	3.75

09 65 16 33 Rubber Sheet Flooring (09 65 16)

09 65 16 33-0001 Rubber Sheet Flooring (09 65 16 33)

09 65 16 33-0002	SF 2mm Rubber Sheet Flooring (Nora noraplan® environcare™).....	8.77	1.64
09 65 16 33-0003	SF 3mm Rubber Sheet Flooring (Nora noraplan® environcare™).....	10.57	1.64
09 65 16 33-0004	SF 2mm Rubber Sheet Flooring (Nora noraplan® sentica™).....	8.77	1.64
09 65 16 33-0005	SF 3mm Rubber Sheet Flooring (Nora noraplan® sentica™).....	10.57	1.64

09 65 19 Resilient Tile Flooring (09 65)

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 19 Vinyl Composition Tile Flooring (09 65 19)

09 65 19 19-0001 Vinyl Composition Tile (VCT) (09 65 19 19)

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.

09 65 19 19-0002	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	4.95	2.02
	For 3/32" Thick, Deduct	-0.25	
	For Extra Stock, Material Only, Deduct	-2.37	
	For Up To 20, Add	1.74	
	For >20 To 40, Add	0.99	
	For >40 To 80, Add	0.37	
	For >1,000 To 3,000, Deduct	-0.11	
	For >3,000 To 6,000, Deduct	-0.29	
	For >6,000, Deduct	-0.52	

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 65 19 19-0003	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	4.79	2.02
	For Extra Stock, Material Only, Deduct	-2.37	
	For Up To 20, Add	1.71	
	For >20 To 40, Add	0.98	
	For >40 To 80, Add	0.36	
	For >1,000 To 3,000, Deduct	-0.11	
	For >3,000 To 6,000, Deduct	-0.28	
	For >6,000, Deduct	-0.51	
09 65 19 19-0004	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	4.79	2.02
	For Extra Stock, Material Only, Deduct	-2.37	
	For Up To 20, Add	1.71	
	For >20 To 40, Add	0.98	
	For >40 To 80, Add	0.36	
	For >1,000 To 3,000, Deduct	-0.11	
	For >3,000 To 6,000, Deduct	-0.28	
	For >6,000, Deduct	-0.51	
09 65 19 19-0005	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	7.00	2.02
	For Extra Stock, Material Only, Deduct	-2.37	
	For Up To 20, Add	2.05	
	For >20 To 40, Add	1.20	
	For >40 To 80, Add	0.47	
	For >1,000 To 3,000, Deduct	-0.15	
	For >3,000 To 6,000, Deduct	-0.37	
	For >6,000, Deduct	-0.64	
09 65 19 19-0006	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	7.02	2.02
	For Extra Stock, Material Only, Deduct	-2.37	
	For Up To 20, Add	2.05	
	For >20 To 40, Add	1.20	
	For >40 To 80, Add	0.48	
	For >1,000 To 3,000, Deduct	-0.15	
	For >3,000 To 6,000, Deduct	-0.37	
	For >6,000, Deduct	-0.65	
09 65 19 19-0007	SF 1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	7.44	2.02
	For Extra Stock, Material Only, Deduct	-2.37	
	For Up To 20, Add	2.11	
	For >20 To 40, Add	1.24	
	For >40 To 80, Add	0.50	
	For >1,000 To 3,000, Deduct	-0.16	
	For >3,000 To 6,000, Deduct	-0.38	
	For >6,000, Deduct	-0.67	
09 65 19 19-0008	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	7.51	2.02
	For Extra Stock, Material Only, Deduct	-2.37	
	For Up To 20, Add	2.12	
	For >20 To 40, Add	1.25	
	For >40 To 80, Add	0.50	
	For >1,000 To 3,000, Deduct	-0.16	
	For >3,000 To 6,000, Deduct	-0.39	
	For >6,000, Deduct	-0.67	
09 65 19 19-0009	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	7.77	2.02
	For Extra Stock, Material Only, Deduct	-2.37	
	For Up To 20, Add	2.16	
	For >20 To 40, Add	1.28	
	For >40 To 80, Add	0.51	
	For >1,000 To 3,000, Deduct	-0.17	
	For >3,000 To 6,000, Deduct	-0.40	
	For >6,000, Deduct	-0.69	
09 65 19 19-0010	SF 1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	10.18	2.02
	For Extra Stock, Material Only, Deduct	-2.37	
	For Up To 20, Add	2.52	
	For >20 To 40, Add	1.52	
	For >40 To 80, Add	0.63	
	For >1,000 To 3,000, Deduct	-0.22	
	For >3,000 To 6,000, Deduct	-0.49	
	For >6,000, Deduct	-0.83	
09 65 19 19-0011	SF 1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	11.13	2.02
	For Extra Stock, Material Only, Deduct	-2.37	
	For Up To 20, Add	2.67	
	For >20 To 40, Add	1.61	
	For >40 To 80, Add	0.68	
	For >1,000 To 3,000, Deduct	-0.24	
	For >3,000 To 6,000, Deduct	-0.53	
	For >6,000, Deduct	-0.89	
09 65 19 19-0012	SF 1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Mannington® Colorpoint®)	8.82	2.02
	For Extra Stock, Material Only, Deduct	-2.37	
	For Up To 20, Add	2.32	
	For >20 To 40, Add	1.38	
	For >40 To 80, Add	0.57	
	For >1,000 To 3,000, Deduct	-0.19	
	For >3,000 To 6,000, Deduct	-0.44	
	For >6,000, Deduct	-0.75	

09 65 19 19-0013 Static Dissipative Vinyl Composition Tile (VCT) (09 65 19 19)

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.

			Finishes	09	9
			Flooring	09 60	
			Resilient Flooring	09 65	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

09 65 19 19-0014	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™).....	20.18	2.02	
		For Extra Stock, Material Only, Deduct	-4.00		
		For Up To 20, Add	4.71		
		For >20 To 40, Add	2.86		
		For >40 To 80, Add	1.22		
		For >1,000 To 3,000, Deduct	-0.42		
		For >3,000 To 6,000, Deduct	-0.95		
		For >6,000, Deduct	-1.59		
09 65 19 19-0015	SF	1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD).....	15.73	2.02	
		For Extra Stock, Material Only, Deduct	-4.00		
		For Up To 20, Add	4.04		
		For >20 To 40, Add	2.42		
		For >40 To 80, Add	1.00		
		For >1,000 To 3,000, Deduct	-0.34		
		For >3,000 To 6,000, Deduct	-0.78		
		For >6,000, Deduct	-1.32		

09 65 19 23 Vinyl Tile Flooring (09 65 19)

09 65 19 23-0001 Vinyl Tile (09 65 19 23)
Note: Any size.

09 65 19 23-0002 Solid Vinyl Tile (SVT) (09 65 19 23-0001)
Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Standard Colors, Solid Vinyl Tile (SVT).....	6.80	2.02	
		For Up To 20, Add	2.40		
		For >20 To 40, Add	1.37		
		For >40 To 80, Add	0.51		
		For >1,000 To 3,000, Deduct	-0.15		
		For >3,000 To 6,000, Deduct	-0.39		
		For >6,000, Deduct	-0.72		
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Marbleized Or Travertine Pattern, Solid Vinyl Tile (SVT).....	7.08	2.02	
		For Up To 20, Add	2.44		
		For >20 To 40, Add	1.40		
		For >40 To 80, Add	0.53		
		For >1,000 To 3,000, Deduct	-0.16		
		For >3,000 To 6,000, Deduct	-0.40		
		For >6,000, Deduct	-0.74		
09 65 19 23-0005	SF	1/8" Thick, Class 1 Type B, Homogeneous, Slip Retardant, Solid Vinyl Tile (SVT).....	7.17	2.02	
		For Up To 20, Add	2.46		
		For >20 To 40, Add	1.41		
		For >40 To 80, Add	0.53		
		For >1,000 To 3,000, Deduct	-0.16		
		For >3,000 To 6,000, Deduct	-0.41		
		For >6,000, Deduct	-0.74		

09 65 19 23-0006 Luxury Vinyl Tile (LVT) (09 65 19 23-0001)

09 65 19 23-0007	SF	2.5mm Thick, 40 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Mannington Amtico).....	10.68	2.02	
		For Up To 20, Add	2.98		
		For >20 To 40, Add	1.76		
		For >40 To 80, Add	0.71		
		For >1,000 To 3,000, Deduct	-0.23		
		For >3,000 To 6,000, Deduct	-0.55		
		For >6,000, Deduct	-0.95		
09 65 19 23-0008	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Crete).....	6.83	2.70	
		For Up To 20, Add	2.41		
		For >20 To 40, Add	1.38		
		For >40 To 80, Add	0.51		
		For >1,000 To 3,000, Deduct	-0.15		
		For >3,000 To 6,000, Deduct	-0.39		
		For >6,000, Deduct	-0.72		
09 65 19 23-0009	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Jeogori).....	7.01	2.70	
		For Up To 20, Add	2.44		
		For >20 To 40, Add	1.39		
		For >40 To 80, Add	0.52		
		For >1,000 To 3,000, Deduct	-0.16		
		For >3,000 To 6,000, Deduct	-0.40		
		For >6,000, Deduct	-0.73		
09 65 19 23-0010	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Grain Direct Glue).....	6.65	2.69	
		For Up To 20, Add	2.38		
		For >20 To 40, Add	1.36		
		For >40 To 80, Add	0.51		
		For >1,000 To 3,000, Deduct	-0.15		
		For >3,000 To 6,000, Deduct	-0.39		
		For >6,000, Deduct	-0.71		
09 65 19 23-0011	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down Luxury Vinyl Tile (LVT) Plank (Shaw Pigment Direct Glue).....	6.99	2.69	
		For Up To 20, Add	2.43		
		For >20 To 40, Add	1.39		
		For >40 To 80, Add	0.52		
		For >1,000 To 3,000, Deduct	-0.16		
		For >3,000 To 6,000, Deduct	-0.40		
		For >6,000, Deduct	-0.73		
09 65 19 23-0012	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 2.5MM)	5.98	2.02	
		For Up To 20, Add	2.28		
		For >20 To 40, Add	1.29		
		For >40 To 80, Add	0.47		
		For >1,000 To 3,000, Deduct	-0.14		
		For >3,000 To 6,000, Deduct	-0.36		
		For >6,000, Deduct	-0.67		

09 Finishes**09 60 Flooring****09 65 Resilient Flooring**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 65 19 23-0013	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 5.0MM).....	7.55	2.02	
		For Up To 20, Add	2.51		
		For >20 To 40, Add	1.45		
		For >40 To 80, Add	0.55		
		For >1,000 To 3,000, Deduct	-0.17		
		For >3,000 To 6,000, Deduct	-0.42		
		For >6,000, Deduct	-0.76		
09 65 19 23-0014	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 2.5MM)	6.78	2.69	
		For Up To 20, Add	2.40		
		For >20 To 40, Add	1.37		
		For >40 To 80, Add	0.51		
		For >1,000 To 3,000, Deduct	-0.15		
		For >3,000 To 6,000, Deduct	-0.39		
		For >6,000, Deduct	-0.72		
09 65 19 23-0015	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 5.0MM)	7.56	2.69	
		For Up To 20, Add	2.51		
		For >20 To 40, Add	1.45		
		For >40 To 80, Add	0.55		
		For >1,000 To 3,000, Deduct	-0.17		
		For >3,000 To 6,000, Deduct	-0.42		
		For >6,000, Deduct	-0.76		
09 65 19 23-0016	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 2.5MM)	6.78	2.69	
		For Up To 20, Add	2.40		
		For >20 To 40, Add	1.37		
		For >40 To 80, Add	0.51		
		For >1,000 To 3,000, Deduct	-0.15		
		For >3,000 To 6,000, Deduct	-0.39		
		For >6,000, Deduct	-0.72		
09 65 19 23-0017	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 5.0MM)	7.56	2.69	
		For Up To 20, Add	2.51		
		For >20 To 40, Add	1.45		
		For >40 To 80, Add	0.55		
		For >1,000 To 3,000, Deduct	-0.17		
		For >3,000 To 6,000, Deduct	-0.42		
		For >6,000, Deduct	-0.76		
09 65 19 23-0018	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Inlet II).....	7.70	2.69	
		For Up To 20, Add	2.54		
		For >20 To 40, Add	1.46		
		For >40 To 80, Add	0.56		
		For >1,000 To 3,000, Deduct	-0.17		
		For >3,000 To 6,000, Deduct	-0.43		
		For >6,000, Deduct	-0.77		
09 65 19 23-0019	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Cove)	7.70	2.69	
		For Up To 20, Add	2.54		
		For >20 To 40, Add	1.46		
		For >40 To 80, Add	0.56		
		For >1,000 To 3,000, Deduct	-0.17		
		For >3,000 To 6,000, Deduct	-0.43		
		For >6,000, Deduct	-0.77		
09 65 19 23-0020	SF	6mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Basis).....	8.28	2.70	
		For Up To 20, Add	2.63		
		For >20 To 40, Add	1.52		
		For >40 To 80, Add	0.59		
		For >1,000 To 3,000, Deduct	-0.18		
		For >3,000 To 6,000, Deduct	-0.45		
		For >6,000, Deduct	-0.81		
09 65 19 23-0021	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Thoughtful).....	7.66	2.70	
		For Up To 20, Add	2.53		
		For >20 To 40, Add	1.46		
		For >40 To 80, Add	0.56		
		For >1,000 To 3,000, Deduct	-0.17		
		For >3,000 To 6,000, Deduct	-0.43		
		For >6,000, Deduct	-0.77		
09 65 19 23-0022	SF	3mm Thick, 30 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Unveil).....	6.67	2.69	
		For Up To 20, Add	2.38		
		For >20 To 40, Add	1.36		
		For >40 To 80, Add	0.51		
		For >1,000 To 3,000, Deduct	-0.15		
		For >3,000 To 6,000, Deduct	-0.39		
		For >6,000, Deduct	-0.71		
09 65 19 23-0023	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Abide).....	6.27	2.69	
		For Up To 20, Add	2.32		
		For >20 To 40, Add	1.32		
		For >40 To 80, Add	0.49		
		For >1,000 To 3,000, Deduct	-0.14		
		For >3,000 To 6,000, Deduct	-0.37		
		For >6,000, Deduct	-0.69		
09 65 19 23-0024	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Solitude).....	7.04	2.02	
		For Up To 20, Add	2.44		
		For >20 To 40, Add	1.39		
		For >40 To 80, Add	0.52		
		For >1,000 To 3,000, Deduct	-0.16		
		For >3,000 To 6,000, Deduct	-0.40		
		For >6,000, Deduct	-0.73		
09 65 19 23-0025	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Strand)	6.42	2.02	
		For Up To 20, Add	2.34		
		For >20 To 40, Add	1.33		
		For >40 To 80, Add	0.49		
		For >1,000 To 3,000, Deduct	-0.15		
		For >3,000 To 6,000, Deduct	-0.38		
		For >6,000, Deduct	-0.70		

			Finishes	09	9
			Flooring	09 60	
			Resilient Flooring	09 65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 19 23-0026	SF		2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 2.5MM).....	5.93	2.02
			For Up To 20, Add	2.27	
			For >20 To 40, Add	1.29	
			For >40 To 80, Add	0.47	
			For >1,000 To 3,000, Deduct	-0.14	
			For >3,000 To 6,000, Deduct	-0.36	
			For >6,000, Deduct	-0.67	
09 65 19 23-0027	SF		5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 5.0MM).....	7.41	2.02
			For Up To 20, Add	2.50	
			For >20 To 40, Add	1.43	
			For >40 To 80, Add	0.54	
			For >1,000 To 3,000, Deduct	-0.17	
			For >3,000 To 6,000, Deduct	-0.42	
			For >6,000, Deduct	-0.76	
09 65 19 23-0028	SF		2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 2.5MM).....	5.93	2.02
			For Up To 20, Add	2.27	
			For >20 To 40, Add	1.29	
			For >40 To 80, Add	0.47	
			For >1,000 To 3,000, Deduct	-0.14	
			For >3,000 To 6,000, Deduct	-0.36	
			For >6,000, Deduct	-0.67	
09 65 19 23-0029	SF		5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 5.0MM).....	7.41	2.02
			For Up To 20, Add	2.50	
			For >20 To 40, Add	1.43	
			For >40 To 80, Add	0.54	
			For >1,000 To 3,000, Deduct	-0.17	
			For >3,000 To 6,000, Deduct	-0.42	
			For >6,000, Deduct	-0.76	
09 65 19 23-0030	SF		2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Joy Squared).....	6.78	2.02
			For Up To 20, Add	2.40	
			For >20 To 40, Add	1.37	
			For >40 To 80, Add	0.51	
			For >1,000 To 3,000, Deduct	-0.15	
			For >3,000 To 6,000, Deduct	-0.39	
			For >6,000, Deduct	-0.72	

09 65 19 33 Rubber Tile Flooring (09 65 19)

09 65 19 33-0001			Rubber Tile Flooring (09 65 19 33)		
09 65 19 33-0002	SF		3.5mm, 39.3" Square Rubber Tile Flooring (Nora norament® xp™).....	12.85	1.64
09 65 19 33-0003	SF		3.5mm, 39.3" Square Rubber Tile Flooring (Nora norament® grano™).....	12.85	1.64
09 65 19 33-0004	SF		3.5mm, 39.3" Square Rubber Tile Flooring (Nora norament® satura™).....	12.85	1.64

09 65 19 33-0005 Rubber Tile (09 65 19 33)

09 65 19 33-0006			Rubber Tile With Raised Discs, Assorted Colors (09 65 19 33-0005)		
09 65 19 33-0007	SF		1/8" Thick Rubber Tile With Raised Discs	24.42	1.22
			Note: Smooth, raised disc or other patterned surface.		
			For Up To 20, Add	4.66	
			For >20 To 40, Add	2.94	
			For >40 To 100, Add	1.35	
09 65 19 33-0008	SF		3/16" Thick Rubber Tile With Raised Discs	29.54	1.35
			Note: Smooth, raised disc or other patterned surface.		
			For Up To 20, Add	5.51	
			For >20 To 40, Add	3.49	
			For >40 To 100, Add	1.61	
09 65 19 33-0009	SF		7/32" Thick Rubber Tile With Raised Discs	32.86	1.62
			Note: Smooth, raised disc or other patterned surface.		
			For Up To 20, Add	6.22	
			For >20 To 40, Add	3.93	
			For >40 To 100, Add	1.80	

09 65 19 43 Polyester Composition Tile Flooring (09 65 19)

09 65 19 43-0001			Polyester Composition Floor Tile (09 65 19 43)		
			Note: Any size.		
09 65 19 43-0002	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®).....	10.81	2.02
			For Extra Stock, Material Only, Deduct	-2.37	
			For Up To 20, Add	2.62	
			For >20 To 40, Add	1.58	
			For >40 To 80, Add	0.67	
			For >1,000 To 3,000, Deduct	-0.23	
			For >3,000 To 6,000, Deduct	-0.52	
			For >6,000, Deduct	-0.87	
09 65 19 43-0003	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®).....	8.16	2.02
			For Extra Stock, Material Only, Deduct	-2.37	
			For Up To 20, Add	2.22	
			For >20 To 40, Add	1.31	
			For >40 To 80, Add	0.53	
			For >1,000 To 3,000, Deduct	-0.18	
			For >3,000 To 6,000, Deduct	-0.41	
			For >6,000, Deduct	-0.71	

09 65 23 Resilient Plank Flooring (09 65)

Note: Includes mastic and cleaning floor after installation is complete.

09 65 23 00-0001			Vinyl Plank Flooring (09 65 23)		
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09 Finishes**09 60 Flooring****09 65 Resilient Flooring**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 65 23 00-0002	SF	0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	7.45	1.00
		For Up To 40, Add	4.17	
		For >40 To 100, Add	2.08	
		For >1,000, Deduct	-0.54	
09 65 23 00-0003	SF	0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	9.19	1.00
		For Up To 40, Add	4.52	
		For >40 To 100, Add	2.26	
		For >1,000, Deduct	-0.71	
09 65 23 00-0004	SF	0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	10.26	1.00
		For Up To 40, Add	4.73	
		For >40 To 100, Add	2.37	
		For >1,000, Deduct	-0.82	
09 65 23 00-0005	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, PVC Free, Resilient Plank Flooring (Shaw Pivot)	6.57	2.02
		For Up To 20, Add	2.37	
		For >20 To 40, Add	1.35	
		For >40 To 80, Add	0.50	
		For >1,000 To 3,000, Deduct	-0.15	
		For >3,000 To 6,000, Deduct	-0.38	
		For >6,000, Deduct	-0.70	

09 65 43 Linoleum Flooring (09 65)

Note: Includes mastic and cleaning floor after installation is complete.

09 65 43 00-0001 Linoleum Flooring (09 65 43)

09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, Armstrong)	8.27	2.02
		For Up To 20, Add	2.62	
		For >20 To 40, Add	1.52	
		For >40 To 100, Add	0.59	
09 65 43 00-0003	SF	Up To 76 SY 2.5mm, Linoleum Sheet (Forbo Marmoleum Real)	11.51	1.01
09 65 43 00-0004	SF	> 76 SY 2.5mm, Linoleum Sheet (Forbo Marmoleum Real)	10.58	1.01
09 65 43 00-0005	SF	Up To 76 SY 2.5mm, Linoleum Sheet (Forbo Marmoleum Striato)	11.95	1.01
09 65 43 00-0006	SF	> 76 SY 2.5mm, Linoleum Sheet (Forbo Marmoleum Striato)	11.10	1.01
09 65 43 00-0007	SF	Up To 76 SY 2.5mm, Linoleum Sheet (Armstrong Marmorette)	11.95	1.01
09 65 43 00-0008	SF	> 76 SY 2.5mm, Linoleum Sheet (Armstrong Marmorette)	10.75	1.01
09 65 43 00-0009	SF	Up To 76 SY 2.5mm, Linoleum Sheet (Uni Walton)	14.71	1.01
09 65 43 00-0010	SF	> 76 SY 2.5mm, Linoleum Sheet (Uni Walton)	13.51	1.01
09 65 43 00-0011	LF	Heat Weld Linoleum Sheet Flooring Seams	9.35	

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 66 Resilient Athletic Flooring (09 65)**09 65 66 00-0001 Recycled Rubber, Interlocking Athletic Tiles (09 65 66)**

09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile	8.22	0.94
		For Colors, Add	1.37	
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile	9.58	1.18
		For Colors, Add	1.58	
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile	11.28	1.89
		For Colors, Add	1.72	
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile	16.24	2.29
		For Colors, Add	2.60	

09 65 66 00-0006 Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles (09 65 66)

09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	42.54	0.94
		For Colors, Add	5.15	
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	61.43	0.94
		For Colors, Add	7.51	
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	44.92	0.94
		For Colors, Add	5.45	
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	55.21	0.94
		For Colors, Add	6.73	
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)	46.18	0.94
		For Colors, Add	5.60	

09 65 66 00-0012 Sheet Goods For Gym (09 65 66)

09 65 66 00-0013	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	24.59	4.04
09 65 66 00-0014	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	26.01	4.17
09 65 66 00-0015	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	27.28	4.31
09 65 66 00-0016	SF	1/8" Rubber Sheet Good For Gym Floor Base	6.63	3.29
09 65 66 00-0017	SF	3/16" Rubber Sheet Good For Gym Floor Base	7.46	3.77
09 65 66 00-0018	SF	1/4" Rubber Sheet Good For Gym Floor Base	8.46	4.04
09 65 66 00-0019	SF	3/8" Rubber Sheet Good For Gym Floor Base	9.24	4.31
09 65 66 00-0020	SF	1/2" Rubber Sheet Good For Gym Floor Base	9.75	4.57

09 65 66 00-0021 Polyurethane Floor Systems (09 65 66)

See CSI section 09 93 23 53-0015 for game lines.

			Finishes	09	2
			Flooring	09 60	
			Resilient Flooring	09 65	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 65 66 00-0022	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	27.09	2.69
09 65 66 00-0023		Engineered Athletic Flooring Systems (Taraflex) (09 65 66) Note: Excludes concrete repairs to subbase and thresholds.		
09 65 66 00-0024	SF	3mm, Engineered Athletic Flooring System (Taraflex Multi-Use 3.0).....	16.52	2.19
09 65 66 00-0025	SF	5mm, Engineered Athletic Flooring System (Taraflex Multi-Use 5.0).....	17.60	2.19
09 65 66 00-0026	SF	7mm, Engineered Athletic Flooring System (Taraflex Sport M Plus).....	20.65	2.19
09 65 66 00-0027	SF	7mm, Engineered Athletic Flooring System (Taraflex Sport M Plus Drytex).....	24.91	2.19
09 65 66 00-0028	SF	9mm, Engineered Athletic Flooring System (Taraflex Sport Performance Plus).....	20.98	2.19
09 65 66 00-0029	SF	Slip Sheet Membrane For Engineered Athletic Flooring Systems (Taraflex Isolsport).....	3.89	0.82
09 65 66 00-0030	EA	Lines For Engineered Athletic Flooring Systems, Per Sport (Taraflex).....	822.22	
		Note: Lines priced per sport for a standard sized gym floor (approximately 5,000 SF).		

09 66 Terrazzo Flooring (09 60)

09 66 13 Portland Cement Terrazzo Flooring (09 66) Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13 Sand Cushion Terrazzo Flooring (09 66 13)

09 66 13 13-0001		Floors Not Bonded To Concrete (09 66 13 13) Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	36.48	3.36
		For Venetian Type Terrazzo, Add	9.29	
		For Abrasive Heavy-Duty Terrazzo, Add	9.29	
		For Colors, Add	4.64	
		For Up To 100, Add	9.02	
		For >100 To 250, Add	4.51	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	36.65	3.36
		For Venetian Type Terrazzo, Add	9.37	
		For Abrasive Heavy-Duty Terrazzo, Add	9.37	
		For Colors, Add	4.69	
		For Up To 100, Add	9.04	
		For >100 To 250, Add	4.52	

09 66 13 16 Monolithic Terrazzo Flooring (09 66 13)

09 66 13 16-0001		Monolithic Terrazzo (09 66 13 16)		
09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping.....	20.03	3.36
		Note: Including Mesh And Felt		
		For Venetian Type Terrazzo, Add	6.76	
		For Abrasive Heavy-Duty Terrazzo, Add	6.76	
		For Colors, Add	3.38	
		For Up To 100, Add	3.96	
		For >100 To 250, Add	1.98	

09 66 13 19 Bonded Terrazzo Flooring (09 66 13)

09 66 13 19-0001		Floors Bonded To Concrete (09 66 13 19) Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	29.08	3.36
		For Venetian Type Terrazzo, Add	7.66	
		For Abrasive Heavy-Duty Terrazzo, Add	7.66	
		For Colors, Add	3.83	
		For Up To 100, Add	7.04	
		For >100 To 250, Add	3.52	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping.....	29.26	3.36
		For Venetian Type Terrazzo, Add	7.75	
		For Abrasive Heavy-Duty Terrazzo, Add	7.75	
		For Colors, Add	3.88	
		For Up To 100, Add	7.05	
		For >100 To 250, Add	3.53	

09 66 13 19-0004 Terrazzo Wainscot (09 66 13 19)

09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	39.73	4.48
		For Venetian Type Terrazzo, Add	4.96	

09 66 13 19-0006 Terrazzo Base (09 66 13 19)

09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	41.77	3.62
		For Venetian Type Terrazzo, Add	10.82	

09 66 13 19-0008 Terrazzo Curb (09 66 13 19)

09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	109.38	24.16
		For Venetian Type Terrazzo, Add	14.42	

09 66 13 19-0010 Stairs Cast In Place (09 66 13 19)

Note: Topping applied to concrete or metal.

09 Finishes**09 60 Flooring****09 66 Terrazzo Flooring**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	40.64	6.70
		For Each SF Of Abrasive Surface Finish, Add	0.35	
		For Each LF Of Embedded Abrasive Strips, Add	0.56	
		For Each LF Of Abrasive Metal Nosing, Add	3.90	
		For Each SF Of Landings, Add	1.50	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	101.89	22.36
		For Each SF Of Abrasive Surface Finish, Add	0.35	
		For Each LF Of Embedded Abrasive Strips, Add	0.56	
		For Each LF Of Abrasive Metal Nosing, Add	3.90	
		For Each SF Of Landings, Add	1.50	
09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	41.18	6.70
		For Each SF Of Abrasive Surface Finish, Add	0.35	
		For Each LF Of Embedded Abrasive Strips, Add	0.56	
		For Each LF Of Abrasive Metal Nosing, Add	3.90	
		For Each SF Of Landings, Add	1.50	

09 66 13 19-0014 Divider Strips (09 66 13 19)

09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	6.44	1.12
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip.....	6.63	1.12
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	10.01	1.12
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip.....	14.83	1.12
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors.....	6.19	1.12
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors.....	9.22	1.12
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor.....	6.68	1.12

09 66 16 Terrazzo Floor Tile (09 66)**09 66 16 13 Portland Cement Terrazzo Floor Tile (09 66 16)****09 66 16 13-0001 Flooring Tiles (09 66 16 13)**

Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".

09 66 16 13-0002 Terrazzo Tiles With Non-Slip Surface (09 66 16 13-0001)

09 66 16 13-0003	SF	9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	33.88	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0004	SF	12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	34.45	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	39.76	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	42.30	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	43.97	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	

09 66 16 13-0008 Terrazzo Tile Thin Set (09 66 16 13-0001)

09 66 16 13-0009	SF	Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	33.43	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed	35.55	3.28
		For White Cement, Add	0.36	
		For Venetian Type Terrazzo, Add	2.00	

09 66 16 13-0011 Thin Set Terrazzo Wainscot (09 66 16 13-0001)

09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set.....	54.12	7.25
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	61.83	7.25
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	

09 66 16 13-0014 Thin Set Terrazzo Base, Gray Cement (09 66 16 13-0001)

09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement.....	17.91	3.62
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	19.87	3.62
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	20.79	3.62
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	21.77	3.62
		For Each LF Of White Cement, Add	0.50	
		For Each LF Of Zinc Toe Strip, Add	1.00	

09 66 16 13-0019 Terrazzo Curbs (09 66 16 13-0001)

			Finishes		09	9
			Flooring		09 60	
			Terrazzo Flooring		09 66	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION	
			UNIT COST		UNIT COST	
09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile..... For Each LF Of White Cement, Add For Each LF Of Zinc Toe Strip, Add	36.71 0.50 1.00			4.84
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile..... For Each LF Of White Cement, Add For Each LF Of Zinc Toe Strip, Add	35.73 0.50 1.00			4.84
09 66 16 13-0022		Precast Terrazzo Stair Treads 12" Wide (09 66 16 13-0001)				
09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	84.22			4.84
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface	72.46			4.84
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread	64.62			4.84
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread	75.51			4.84
09 66 16 13-0027		Stair Risers, 1" Thick To 6" High, Straight (09 66 16 13-0001)				
09 66 16 13-0028	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	38.62			3.62
09 66 16 13-0029	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	44.51			3.62
09 66 16 13-0030		Stair Risers, 1" Thick To 6" High, Curved (09 66 16 13-0001)				
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	56.32			3.62
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	60.25			3.62
09 66 16 13-0033		Tread And Riser (09 66 16 13)				
09 66 16 13-0034		Stair Stringers, Notched For Treads And Risers (09 66 16 13-0033)				
09 66 16 13-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	94.90			9.66
09 66 16 13-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	114.37			9.66
09 66 16 13-0037		Structural Non-Slip Landings (09 66 16 13-0033)				
09 66 16 13-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	68.10			4.84
09 66 16 13-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	83.46			4.84
09 66 16 13-0040		Combined Tread And Riser (09 66 16 13-0033)				
09 66 16 13-0041		Straight Sections (09 66 16 13-0040)				
09 66 16 13-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	146.95			9.66
09 66 16 13-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	174.40			9.66
09 66 16 13-0044		Curved Sections (09 66 16 13-0040)				
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	183.38			9.66
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	230.43			9.66
09 66 23		Resinous Matrix Terrazzo Flooring (09 66)				
09 66 23 16		Epoxy-Resin Terrazzo Flooring (09 66 23)				
09 66 23 16-0001		Epoxy Terrazzo (09 66 23 16)				
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick	27.63			3.36
09 66 33		Conductive Terrazzo Flooring (09 66)				
		Note: For anti-static areas.				
09 66 33 13		Conductive Epoxy-Resin Terrazzo (09 66 33)				
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Spark Proof, Conductive, Industrial	29.21			6.04
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Spark Proof, Conductive, Industrial	52.68			6.04
09 66 33 16		Conductive Polyester-Resin Terrazzo Flooring (09 66 33)				
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Spark Proof, Conductive, Industrial	22.42			6.04
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Spark Proof, Conductive, Industrial	37.90			6.04
09 66 33 19		Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)				
09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Spark Proof, Conductive, Industrial	25.10			6.04
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Spark Proof, Conductive, Industrial	47.58			6.04
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Spark Proof, Conductive, Industrial	36.00			6.04
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Spark Proof, Conductive, Industrial	41.09			6.04
09 67		Fluid-Applied Flooring (09 60)				
09 67 16		Epoxy-Marble Chip Flooring (09 67)				
09 67 16 00-0001		Epoxy Marble Chip Flooring (09 67 16)				

09 Finishes**09 60 Flooring****09 67 Fluid-Applied Flooring**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base.....	19.02	3.36
		Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	0.09	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.09	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy-Duty Epoxy	20.27	3.36
		Note: Includes primer, 3/16" marble chip coat and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	0.10	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.10	

09 67 23 Resinous Flooring (09 67)**09 67 23 00-0001 Epoxy Resin Flooring** (09 67 23)

Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/blast blasting or two-pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.

09 67 23 00-0002	SF	3/16" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	14.70	7.60
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.06	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.06	
		For Up To 500, Add	2.78	
		For >500 To 1,000, Add	1.76	
		For >1,000 To 2,000, Add	0.88	
		For >10,000, Deduct	-0.96	
09 67 23 00-0003	SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	21.65	7.60
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.13	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.13	
		For Up To 500, Add	4.52	
		For >500 To 1,000, Add	2.80	
		For >1,000 To 2,000, Add	1.40	
		For >10,000, Deduct	-1.31	
09 67 23 00-0004	SF	1/4" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	17.57	8.49
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.06	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.06	
		For Up To 500, Add	3.27	
		For >500 To 1,000, Add	2.08	
		For >1,000 To 2,000, Add	1.04	
		For >10,000, Deduct	-1.16	
09 67 23 00-0005	SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	25.53	8.49
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.14	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.14	
		For Up To 500, Add	5.26	
		For >500 To 1,000, Add	3.27	
		For >1,000 To 2,000, Add	1.64	
		For >10,000, Deduct	-1.56	
09 67 23 00-0006	SF	3/8" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	19.84	9.51
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.07	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.07	
		For Up To 500, Add	3.72	
		For >500 To 1,000, Add	2.35	
		For >1,000 To 2,000, Add	1.18	
		For >10,000, Deduct	-1.30	
09 67 23 00-0007	SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	28.28	9.51
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	0.16	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.16	
		For Up To 500, Add	5.83	
		For >500 To 1,000, Add	3.62	
		For >1,000 To 2,000, Add	1.81	
		For >10,000, Deduct	-1.72	

09 68 Carpeting (09 60)

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting (09 68)**09 68 13 00-0001 Tufted Carpet Tile With Fiberglass Reinforced Backing** (09 68 13)

Note: Includes glue (Lees ICT Backing System)

09 68 13 00-0002 Non-Patterned Carpet Tiles (09 68 13 00-0001)

09 68 13 00-0003	SY	18 Ounce, Non-Patterned, Nylon Carpet Tile	47.98	8.09
		For Up To 15, Add	3.97	
		For >15 To 33, Add	1.98	
		For >200 To 400, Deduct	-0.56	
		For >400 To 600, Deduct	-0.84	
		For >600 To 900, Deduct	-1.70	
		For >900 To 1,500, Deduct	-2.57	
		For >1,500 To 2,200, Deduct	-3.81	
		For >2,200 To 3,500, Deduct	-5.01	
		For >3,500, Deduct	-6.21	
		For Cushion Backed Tile, Add	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0004	SY	20 Ounce, Non-Patterned, Nylon Carpet Tile	.....	49.69	8.09
		For Up To 15, Add		3.97	
		For >15 To 33, Add		1.98	
		For >200 To 400, Deduct		-0.60	
		For >400 To 600, Deduct		-0.90	
		For >600 To 900, Deduct		-1.79	
		For >900 To 1,500, Deduct		-2.68	
		For >1,500 To 2,200, Deduct		-3.98	
		For >2,200 To 3,500, Deduct		-5.22	
		For >3,500, Deduct		-6.46	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0005	SY	22 Ounce, Non-Patterned, Nylon Carpet Tile	.....	55.11	8.09
		For Up To 15, Add		3.97	
		For >15 To 33, Add		1.98	
		For >200 To 400, Deduct		-0.71	
		For >400 To 600, Deduct		-1.06	
		For >600 To 900, Deduct		-2.06	
		For >900 To 1,500, Deduct		-3.06	
		For >1,500 To 2,200, Deduct		-4.52	
		For >2,200 To 3,500, Deduct		-5.90	
		For >3,500, Deduct		-7.27	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0006	SY	24 Ounce, Non-Patterned, Nylon Carpet Tile	.....	60.39	8.09
		For Up To 15, Add		3.97	
		For >15 To 33, Add		1.98	
		For >200 To 400, Deduct		-0.81	
		For >400 To 600, Deduct		-1.22	
		For >600 To 900, Deduct		-2.33	
		For >900 To 1,500, Deduct		-3.43	
		For >1,500 To 2,200, Deduct		-5.05	
		For >2,200 To 3,500, Deduct		-6.56	
		For >3,500, Deduct		-8.07	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0007	SY	26 Ounce, Non-Patterned, Nylon Carpet Tile	.....	63.48	8.09
		For Up To 15, Add		3.97	
		For >15 To 33, Add		1.98	
		For >200 To 400, Deduct		-0.87	
		For >400 To 600, Deduct		-1.31	
		For >600 To 900, Deduct		-2.48	
		For >900 To 1,500, Deduct		-3.65	
		For >1,500 To 2,200, Deduct		-5.36	
		For >2,200 To 3,500, Deduct		-6.94	
		For >3,500, Deduct		-8.53	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0008	SY	28 Ounce, Non-Patterned, Nylon Carpet Tile	.....	66.64	8.09
		For Up To 15, Add		3.97	
		For >15 To 33, Add		1.98	
		For >200 To 400, Deduct		-0.94	
		For >400 To 600, Deduct		-1.40	
		For >600 To 900, Deduct		-2.64	
		For >900 To 1,500, Deduct		-3.87	
		For >1,500 To 2,200, Deduct		-5.67	
		For >2,200 To 3,500, Deduct		-7.34	
		For >3,500, Deduct		-9.00	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0009	SY	30 Ounce, Non-Patterned, Nylon Carpet Tile	.....	67.58	8.09
		For Up To 15, Add		3.97	
		For >15 To 33, Add		1.98	
		For >200 To 400, Deduct		-0.95	
		For >400 To 600, Deduct		-1.43	
		For >600 To 900, Deduct		-2.68	
		For >900 To 1,500, Deduct		-3.94	
		For >1,500 To 2,200, Deduct		-5.77	
		For >2,200 To 3,500, Deduct		-7.46	
		For >3,500, Deduct		-9.15	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0010	SY	32 Ounce, Non-Patterned, Nylon Carpet Tile	.....	68.17	8.09
		For Up To 15, Add		3.97	
		For >15 To 33, Add		1.98	
		For >200 To 400, Deduct		-0.97	
		For >400 To 600, Deduct		-1.45	
		For >600 To 900, Deduct		-2.71	
		For >900 To 1,500, Deduct		-3.98	
		For >1,500 To 2,200, Deduct		-5.83	
		For >2,200 To 3,500, Deduct		-7.53	
		For >3,500, Deduct		-9.23	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0011	SY	34 Ounce, Non-Patterned, Nylon Carpet Tile	.....	68.66	8.09
		For Up To 15, Add		3.97	
		For >15 To 33, Add		1.98	
		For >200 To 400, Deduct		-0.98	
		For >400 To 600, Deduct		-1.46	
		For >600 To 900, Deduct		-2.74	
		For >900 To 1,500, Deduct		-4.01	
		For >1,500 To 2,200, Deduct		-5.87	
		For >2,200 To 3,500, Deduct		-7.59	
		For >3,500, Deduct		-9.31	
		For Cushion Backed Tile, Add		6.00	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 68 13 00-0012	SY 36 Ounce, Non-Patterned, Nylon Carpet Tile	70.35		8.09
	For Up To 15, Add	3.97		
	For >15 To 33, Add	1.98		
	For >200 To 400, Deduct	-1.01		
	For >400 To 600, Deduct	-1.52		
	For >600 To 900, Deduct	-2.82		
	For >900 To 1,500, Deduct	-4.13		
	For >1,500 To 2,200, Deduct	-6.04		
	For >2,200 To 3,500, Deduct	-7.80		
	For >3,500, Deduct	-9.56		
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0013	SY 38 Ounce, Non-Patterned, Nylon Carpet Tile	73.69		8.09
	For Up To 15, Add	3.97		
	For >15 To 33, Add	1.98		
	For >200 To 400, Deduct	-1.08		
	For >400 To 600, Deduct	-1.62		
	For >600 To 900, Deduct	-2.99		
	For >900 To 1,500, Deduct	-4.36		
	For >1,500 To 2,200, Deduct	-6.38		
	For >2,200 To 3,500, Deduct	-8.22		
	For >3,500, Deduct	-10.06		
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0014	SY 40 Ounce, Non-Patterned, Nylon Carpet Tile	77.28		8.09
	For Up To 15, Add	3.97		
	For >15 To 33, Add	1.98		
	For >200 To 400, Deduct	-1.15		
	For >400 To 600, Deduct	-1.72		
	For >600 To 900, Deduct	-3.17		
	For >900 To 1,500, Deduct	-4.62		
	For >1,500 To 2,200, Deduct	-6.74		
	For >2,200 To 3,500, Deduct	-8.67		
	For >3,500, Deduct	-10.60		
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0015	SY 42 Ounce, Non-Patterned, Nylon Carpet Tile	84.17		8.09
	For Up To 15, Add	3.97		
	For >15 To 33, Add	1.98		
	For >200 To 400, Deduct	-1.29		
	For >400 To 600, Deduct	-1.93		
	For >600 To 900, Deduct	-3.51		
	For >900 To 1,500, Deduct	-5.10		
	For >1,500 To 2,200, Deduct	-7.43		
	For >2,200 To 3,500, Deduct	-9.53		
	For >3,500, Deduct	-11.63		
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0016	SY Installation Of Owner Provided Non-Patterned Carpet Tiles	19.48		
09 68 13 00-0017 Patterned Carpet Tiles (09 68 13 00-0001)				
Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.				
09 68 13 00-0018	SY 15 Ounce, Patterned, Nylon Carpet Tile	49.48		8.09
	For Up To 15, Add	4.37		
	For >15 To 33, Add	2.18		
	For >200 To 400, Deduct	-0.55		
	For >400 To 600, Deduct	-0.83		
	For >600 To 900, Deduct	-1.71		
	For >900 To 1,500, Deduct	-2.59		
	For >1,500 To 2,200, Deduct	-3.86		
	For >2,200 To 3,500, Deduct	-5.09		
	For >3,500, Deduct	-6.33		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0019	SY 18 Ounce, Patterned, Nylon Carpet Tile	49.97		8.09
	For Up To 15, Add	4.37		
	For >15 To 33, Add	2.18		
	For >200 To 400, Deduct	-0.56		
	For >400 To 600, Deduct	-0.84		
	For >600 To 900, Deduct	-1.73		
	For >900 To 1,500, Deduct	-2.62		
	For >1,500 To 2,200, Deduct	-3.91		
	For >2,200 To 3,500, Deduct	-5.15		
	For >3,500, Deduct	-6.40		
	For Cushion Backed Tile, Add	6.00		
09 68 13 00-0020	SY 20 Ounce, Patterned, Nylon Carpet Tile	52.13		8.09
	For Up To 15, Add	4.37		
	For >15 To 33, Add	2.18		
	For >200 To 400, Deduct	-0.61		
	For >400 To 600, Deduct	-0.91		
	For >600 To 900, Deduct	-1.84		
	For >900 To 1,500, Deduct	-2.78		
	For >1,500 To 2,200, Deduct	-4.12		
	For >2,200 To 3,500, Deduct	-5.42		
	For >3,500, Deduct	-6.73		
	For Cushion Backed Tile, Add	6.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0021	SY	22 Ounce, Patterned, Nylon Carpet Tile	.....	57.63	8.09
		For Up To 15, Add		4.37	
		For >15 To 33, Add		2.18	
		For >200 To 400, Deduct		-0.72	
		For >400 To 600, Deduct		-1.07	
		For >600 To 900, Deduct		-2.12	
		For >900 To 1,500, Deduct		-3.16	
		For >1,500 To 2,200, Deduct		-4.67	
		For >2,200 To 3,500, Deduct		-6.11	
		For >3,500, Deduct		-7.55	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile	.....	62.99	8.09
		For Up To 15, Add		4.37	
		For >15 To 33, Add		2.18	
		For >200 To 400, Deduct		-0.82	
		For >400 To 600, Deduct		-1.23	
		For >600 To 900, Deduct		-2.39	
		For >900 To 1,500, Deduct		-3.54	
		For >1,500 To 2,200, Deduct		-5.21	
		For >2,200 To 3,500, Deduct		-6.78	
		For >3,500, Deduct		-8.36	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0023	SY	26 Ounce, Patterned, Nylon Carpet Tile	.....	66.12	8.09
		For Up To 15, Add		4.37	
		For >15 To 33, Add		2.18	
		For >200 To 400, Deduct		-0.89	
		For >400 To 600, Deduct		-1.33	
		For >600 To 900, Deduct		-2.54	
		For >900 To 1,500, Deduct		-3.76	
		For >1,500 To 2,200, Deduct		-5.52	
		For >2,200 To 3,500, Deduct		-7.17	
		For >3,500, Deduct		-8.83	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0024	SY	28 Ounce, Patterned, Nylon Carpet Tile	.....	69.34	8.09
		For Up To 15, Add		4.37	
		For >15 To 33, Add		2.18	
		For >200 To 400, Deduct		-0.95	
		For >400 To 600, Deduct		-1.43	
		For >600 To 900, Deduct		-2.70	
		For >900 To 1,500, Deduct		-3.98	
		For >1,500 To 2,200, Deduct		-5.84	
		For >2,200 To 3,500, Deduct		-7.58	
		For >3,500, Deduct		-9.31	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0025	SY	30 Ounce, Patterned, Nylon Carpet Tile	.....	70.28	8.09
		For Up To 15, Add		4.37	
		For >15 To 33, Add		2.18	
		For >200 To 400, Deduct		-0.97	
		For >400 To 600, Deduct		-1.45	
		For >600 To 900, Deduct		-2.75	
		For >900 To 1,500, Deduct		-4.05	
		For >1,500 To 2,200, Deduct		-5.94	
		For >2,200 To 3,500, Deduct		-7.69	
		For >3,500, Deduct		-9.45	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0026	SY	32 Ounce, Patterned, Nylon Carpet Tile	.....	70.88	8.09
		For Up To 15, Add		4.37	
		For >15 To 33, Add		2.18	
		For >200 To 400, Deduct		-0.98	
		For >400 To 600, Deduct		-1.47	
		For >600 To 900, Deduct		-2.78	
		For >900 To 1,500, Deduct		-4.09	
		For >1,500 To 2,200, Deduct		-6.00	
		For >2,200 To 3,500, Deduct		-7.77	
		For >3,500, Deduct		-9.54	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0027	SY	34 Ounce, Patterned, Nylon Carpet Tile	.....	71.38	8.09
		For Up To 15, Add		4.37	
		For >15 To 33, Add		2.18	
		For >200 To 400, Deduct		-0.99	
		For >400 To 600, Deduct		-1.49	
		For >600 To 900, Deduct		-2.80	
		For >900 To 1,500, Deduct		-4.12	
		For >1,500 To 2,200, Deduct		-6.05	
		For >2,200 To 3,500, Deduct		-7.83	
		For >3,500, Deduct		-9.62	
		For Cushion Backed Tile, Add		6.00	
09 68 13 00-0028	SY	36 Ounce, Patterned, Nylon Carpet Tile	.....	73.10	8.09
		For Up To 15, Add		4.37	
		For >15 To 33, Add		2.18	
		For >200 To 400, Deduct		-1.03	
		For >400 To 600, Deduct		-1.54	
		For >600 To 900, Deduct		-2.89	
		For >900 To 1,500, Deduct		-4.24	
		For >1,500 To 2,200, Deduct		-6.22	
		For >2,200 To 3,500, Deduct		-8.05	
		For >3,500, Deduct		-9.87	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add		2.00	
		For Cushion Backed Tile, Add		6.00	

09 Finishes**09 60 Flooring****09 68 Carpeting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 68 13 00-0029	SY	38 Ounce, Patterned, Nylon Carpet Tile	76.49	8.09
		For Up To 15, Add	4.37	
		For >15 To 33, Add	2.18	
		For >200 To 400, Deduct	-1.09	
		For >400 To 600, Deduct	-1.64	
		For >600 To 900, Deduct	-3.06	
		For >900 To 1,500, Deduct	-4.48	
		For >1,500 To 2,200, Deduct	-6.56	
		For >2,200 To 3,500, Deduct	-8.47	
		For >3,500, Deduct	-10.38	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0030	SY	40 Ounce, Patterned, Nylon Carpet Tile	80.13	8.09
		For Up To 15, Add	4.37	
		For >15 To 33, Add	2.18	
		For >200 To 400, Deduct	-1.17	
		For >400 To 600, Deduct	-1.75	
		For >600 To 900, Deduct	-3.24	
		For >900 To 1,500, Deduct	-4.74	
		For >1,500 To 2,200, Deduct	-6.92	
		For >2,200 To 3,500, Deduct	-8.92	
		For >3,500, Deduct	-10.93	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0031	SY	42 Ounce, Patterned, Nylon Carpet Tile	87.13	8.09
		For Up To 15, Add	4.37	
		For >15 To 33, Add	2.18	
		For >200 To 400, Deduct	-1.31	
		For >400 To 600, Deduct	-1.96	
		For >600 To 900, Deduct	-3.59	
		For >900 To 1,500, Deduct	-5.23	
		For >1,500 To 2,200, Deduct	-7.62	
		For >2,200 To 3,500, Deduct	-9.80	
		For >3,500, Deduct	-11.98	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
		For Cushion Backed Tile, Add	6.00	
09 68 13 00-0032	SY	Installation Of Owner Provided Patterned Carpet Tiles.....	22.37	

09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series)

(09 68 13 00-0001)

Note: Includes conductive ESD releasable adhesive and grounding clips.

09 68 13 00-0034	SY	24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	103.47	8.09
		For Up To 15, Add	4.37	
		For >15 To 33, Add	2.18	
		For >200 To 400, Deduct	-1.63	
		For >400 To 600, Deduct	-2.45	
		For >600 To 900, Deduct	-4.41	
		For >900 To 1,500, Deduct	-6.37	
		For >1,500 To 2,200, Deduct	-9.26	
		For >2,200 To 3,500, Deduct	-11.84	
		For >3,500, Deduct	-14.43	

09 68 13 00-0035 Carpet Tiles

(09 68 13)

Note: Includes glue

09 68 13 00-0036	SY	27 Ounce, Patterned, Nylon Carpet Tile (Mannington Graffiti II).....	130.44	8.09
		Note: Tip sheared patterned loop carpet tile with reinforced composite closed cell polymer backing.		
		For >200 To 400, Deduct	-2.17	
		For >400 To 600, Deduct	-3.26	
		For >600 To 900, Deduct	-5.76	
		For >900 To 1,500, Deduct	-8.26	
		For >1,500 To 2,200, Deduct	-11.95	
		For >2,200 To 3,500, Deduct	-15.21	
		For >3,500, Deduct	-18.47	
09 68 13 00-0037	SY	22 Ounce, Patterned, Nylon Carpet Tile (Lees Ground Strata).....	110.87	8.09
		Note: Tufted carpet tile with EcoFlex ICT backing.		
		For >200 To 400, Deduct	-1.78	
		For >400 To 600, Deduct	-2.67	
		For >600 To 900, Deduct	-4.78	
		For >900 To 1,500, Deduct	-6.89	
		For >1,500 To 2,200, Deduct	-10.00	
		For >2,200 To 3,500, Deduct	-12.77	
		For >3,500, Deduct	-15.54	
09 68 13 00-0038	SY	20 Ounce, Patterned, Nylon Carpet Tile (Lees Parkway)	114.39	8.09
		Note: Tufted carpet tile with EcoFlex ICT backing.		
		For >200 To 400, Deduct	-1.85	
		For >400 To 600, Deduct	-2.78	
		For >600 To 900, Deduct	-4.96	
		For >900 To 1,500, Deduct	-7.13	
		For >1,500 To 2,200, Deduct	-10.35	
		For >2,200 To 3,500, Deduct	-13.21	
		For >3,500, Deduct	-16.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0039	SY		22 Ounce, Patterned, Nylon Carpet Tile (Lees Realization)	111.46	8.09
			Note: Tufted carpet tile with EcoFlex ICT backing.		
			For >200 To 400, Deduct	-1.79	
			For >400 To 600, Deduct	-2.69	
			For >600 To 900, Deduct	-4.61	
			For >900 To 1,500, Deduct	-6.93	
			For >1,500 To 2,200, Deduct	-10.05	
			For >2,200 To 3,500, Deduct	-12.84	
			For >3,500, Deduct	-15.63	
09 68 13 00-0040	SY		20 Ounce, Patterned, Nylon Carpet Tile (Lees Shirt).....	114.98	8.09
			Note: Tufted carpet tile with EcoFlex ICT backing.		
			For >200 To 400, Deduct	-1.86	
			For >400 To 600, Deduct	-2.79	
			For >600 To 900, Deduct	-4.98	
			For >900 To 1,500, Deduct	-7.18	
			For >1,500 To 2,200, Deduct	-10.41	
			For >2,200 To 3,500, Deduct	-13.28	
			For >3,500, Deduct	-16.16	
09 68 16 Sheet Carpeting (09 68)					
Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.					
09 68 16 00-0001			Carpet Cushion (09 68 16)		
09 68 16 00-0002			Carpet Padding (09 68 16 00-0001)		
09 68 16 00-0003			Prime Polyurethane Foam Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0004	SY		7/16" Thick, Prime Polyurethane Foam Carpet Padding.....	19.42	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.29	
			For >400 To 600, Deduct	-0.43	
			For >600 To 900, Deduct	-0.79	
			For >900 To 1,500, Deduct	-1.15	
			For >1,500 To 2,200, Deduct	-1.69	
			For >2,200 To 3,500, Deduct	-2.17	
			For >3,500, Deduct	-2.66	
09 68 16 00-0005	SY		1/2" Thick, Prime Polyurethane Foam Carpet Padding.....	20.26	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.30	
			For >400 To 600, Deduct	-0.45	
			For >600 To 900, Deduct	-0.83	
			For >900 To 1,500, Deduct	-1.21	
			For >1,500 To 2,200, Deduct	-1.77	
			For >2,200 To 3,500, Deduct	-2.28	
			For >3,500, Deduct	-2.78	
09 68 16 00-0006 Bonded (Rebond) Polyurethane Foam Carpet Padding (09 68 16 00-0002)					
09 68 16 00-0007	SY		1/4" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.12	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.14	
			For >400 To 600, Deduct	-0.21	
			For >600 To 900, Deduct	-0.43	
			For >900 To 1,500, Deduct	-0.64	
			For >1,500 To 2,200, Deduct	-0.96	
			For >2,200 To 3,500, Deduct	-1.26	
			For >3,500, Deduct	-1.56	
09 68 16 00-0008	SY		5/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding.....	12.70	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.15	
			For >400 To 600, Deduct	-0.23	
			For >600 To 900, Deduct	-0.46	
			For >900 To 1,500, Deduct	-0.68	
			For >1,500 To 2,200, Deduct	-1.01	
			For >2,200 To 3,500, Deduct	-1.33	
			For >3,500, Deduct	-1.65	
09 68 16 00-0009	SY		3/8" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	9.99	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.10	
			For >400 To 600, Deduct	-0.15	
			For >600 To 900, Deduct	-0.32	
			For >900 To 1,500, Deduct	-0.49	
			For >1,500 To 2,200, Deduct	-0.74	
			For >2,200 To 3,500, Deduct	-0.99	
			For >3,500, Deduct	-1.24	
09 68 16 00-0010	SY		3/8" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.31	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.14	
			For >400 To 600, Deduct	-0.22	
			For >600 To 900, Deduct	-0.44	
			For >900 To 1,500, Deduct	-0.66	
			For >1,500 To 2,200, Deduct	-0.97	
			For >2,200 To 3,500, Deduct	-1.28	
			For >3,500, Deduct	-1.59	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0011	SY	7/16" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.31	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.14	
		For >400 To 600, Deduct	-0.22	
		For >600 To 900, Deduct	-0.44	
		For >900 To 1,500, Deduct	-0.66	
		For >1,500 To 2,200, Deduct	-0.97	
		For >2,200 To 3,500, Deduct	-1.28	
		For >3,500, Deduct	-1.59	
09 68 16 00-0012	SY	7/16" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.31	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.14	
		For >400 To 600, Deduct	-0.22	
		For >600 To 900, Deduct	-0.44	
		For >900 To 1,500, Deduct	-0.66	
		For >1,500 To 2,200, Deduct	-0.97	
		For >2,200 To 3,500, Deduct	-1.28	
		For >3,500, Deduct	-1.59	
09 68 16 00-0013	SY	7/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.69	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.17	
		For >400 To 600, Deduct	-0.26	
		For >600 To 900, Deduct	-0.50	
		For >900 To 1,500, Deduct	-0.75	
		For >1,500 To 2,200, Deduct	-1.11	
		For >2,200 To 3,500, Deduct	-1.45	
		For >3,500, Deduct	-1.80	
09 68 16 00-0014	SY	1/2" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.18	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.14	
		For >400 To 600, Deduct	-0.21	
		For >600 To 900, Deduct	-0.43	
		For >900 To 1,500, Deduct	-0.65	
		For >1,500 To 2,200, Deduct	-0.96	
		For >2,200 To 3,500, Deduct	-1.27	
		For >3,500, Deduct	-1.57	
09 68 16 00-0015	SY	1/2" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.63	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.15	
		For >400 To 600, Deduct	-0.22	
		For >600 To 900, Deduct	-0.45	
		For >900 To 1,500, Deduct	-0.68	
		For >1,500 To 2,200, Deduct	-1.01	
		For >2,200 To 3,500, Deduct	-1.32	
		For >3,500, Deduct	-1.64	
09 68 16 00-0016	SY	1/2" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	14.27	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.18	
		For >400 To 600, Deduct	-0.27	
		For >600 To 900, Deduct	-0.53	
		For >900 To 1,500, Deduct	-0.79	
		For >1,500 To 2,200, Deduct	-1.17	
		For >2,200 To 3,500, Deduct	-1.53	
		For >3,500, Deduct	-1.88	
09 68 16 00-0017		Froth Polyurethane Foam Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0018	SY	0.175" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	20.69	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.31	
		For >400 To 600, Deduct	-0.47	
		For >600 To 900, Deduct	-0.85	
		For >900 To 1,500, Deduct	-1.24	
		For >1,500 To 2,200, Deduct	-1.81	
		For >2,200 To 3,500, Deduct	-2.33	
		For >3,500, Deduct	-2.85	
09 68 16 00-0019	SY	0.250" Thick, 12 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	23.10	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.36	
		For >400 To 600, Deduct	-0.54	
		For >600 To 900, Deduct	-0.98	
		For >900 To 1,500, Deduct	-1.41	
		For >1,500 To 2,200, Deduct	-2.05	
		For >2,200 To 3,500, Deduct	-2.63	
		For >3,500, Deduct	-3.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0020	SY		0.250" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	24.95	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.40	
			For >400 To 600, Deduct	-0.59	
			For >600 To 900, Deduct	-1.07	
			For >900 To 1,500, Deduct	-1.54	
			For >1,500 To 2,200, Deduct	-2.24	
			For >2,200 To 3,500, Deduct	-2.86	
			For >3,500, Deduct	-3.49	
09 68 16 00-0021			Waffle Rubber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0022	SY		3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding	23.75	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.37	
			For >400 To 600, Deduct	-0.56	
			For >600 To 900, Deduct	-1.01	
			For >900 To 1,500, Deduct	-1.46	
			For >1,500 To 2,200, Deduct	-2.12	
			For >2,200 To 3,500, Deduct	-2.71	
			For >3,500, Deduct	-3.31	
09 68 16 00-0023			Flat Sponge Rubber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0024	SY		0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding	14.40	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.19	
			For >400 To 600, Deduct	-0.28	
			For >600 To 900, Deduct	-0.54	
			For >900 To 1,500, Deduct	-0.80	
			For >1,500 To 2,200, Deduct	-1.18	
			For >2,200 To 3,500, Deduct	-1.54	
			For >3,500, Deduct	-1.90	
09 68 16 00-0025	SY		0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding	15.39	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.21	
			For >400 To 600, Deduct	-0.31	
			For >600 To 900, Deduct	-0.59	
			For >900 To 1,500, Deduct	-0.87	
			For >1,500 To 2,200, Deduct	-1.28	
			For >2,200 To 3,500, Deduct	-1.67	
			For >3,500, Deduct	-2.05	
09 68 16 00-0026	SY		0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding	16.12	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.22	
			For >400 To 600, Deduct	-0.33	
			For >600 To 900, Deduct	-0.63	
			For >900 To 1,500, Deduct	-0.92	
			For >1,500 To 2,200, Deduct	-1.36	
			For >2,200 To 3,500, Deduct	-1.76	
			For >3,500, Deduct	-2.16	
09 68 16 00-0027	SY		0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding	18.41	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.27	
			For >400 To 600, Deduct	-0.40	
			For >600 To 900, Deduct	-0.74	
			For >900 To 1,500, Deduct	-1.08	
			For >1,500 To 2,200, Deduct	-1.58	
			For >2,200 To 3,500, Deduct	-2.04	
			For >3,500, Deduct	-2.50	
09 68 16 00-0028	SY		0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding	18.60	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.27	
			For >400 To 600, Deduct	-0.40	
			For >600 To 900, Deduct	-0.75	
			For >900 To 1,500, Deduct	-1.10	
			For >1,500 To 2,200, Deduct	-1.60	
			For >2,200 To 3,500, Deduct	-2.07	
			For >3,500, Deduct	-2.53	
09 68 16 00-0029			Synthetic Fiber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0030	SY		0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding	7.06	3.39
			For Up To 15, Add	1.03	
			For >15 To 33, Add	0.51	
			For >200 To 400, Deduct	-0.04	
			For >400 To 600, Deduct	-0.06	
			For >600 To 900, Deduct	-0.17	
			For >900 To 1,500, Deduct	-0.29	
			For >1,500 To 2,200, Deduct	-0.45	
			For >2,200 To 3,500, Deduct	-0.63	
			For >3,500, Deduct	-0.80	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0031	SY	0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding.....	8.56	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.07	
		For >400 To 600, Deduct	-0.10	
		For >600 To 900, Deduct	-0.25	
		For >900 To 1,500, Deduct	-0.39	
		For >1,500 To 2,200, Deduct	-0.60	
		For >2,200 To 3,500, Deduct	-0.81	
		For >3,500, Deduct	-1.03	
09 68 16 00-0032	SY	0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding.....	7.88	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.05	
		For >400 To 600, Deduct	-0.08	
		For >600 To 900, Deduct	-0.21	
		For >900 To 1,500, Deduct	-0.35	
		For >1,500 To 2,200, Deduct	-0.53	
		For >2,200 To 3,500, Deduct	-0.73	
		For >3,500, Deduct	-0.93	
09 68 16 00-0033	SY	0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding.....	8.13	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.06	
		For >400 To 600, Deduct	-0.09	
		For >600 To 900, Deduct	-0.23	
		For >900 To 1,500, Deduct	-0.36	
		For >1,500 To 2,200, Deduct	-0.56	
		For >2,200 To 3,500, Deduct	-0.76	
		For >3,500, Deduct	-0.96	
09 68 16 00-0034	SY	0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding.....	9.68	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.09	
		For >400 To 600, Deduct	-0.14	
		For >600 To 900, Deduct	-0.30	
		For >900 To 1,500, Deduct	-0.47	
		For >1,500 To 2,200, Deduct	-0.71	
		For >2,200 To 3,500, Deduct	-0.95	
		For >3,500, Deduct	-1.20	
09 68 16 00-0035		Double Stick Synthetic Fiber Carpet Padding (09 68 16 00-0002)		
09 68 16 00-0036	SY	0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding.....	10.16	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.10	
		For >400 To 600, Deduct	-0.15	
		For >600 To 900, Deduct	-0.33	
		For >900 To 1,500, Deduct	-0.51	
		For >1,500 To 2,200, Deduct	-0.76	
		For >2,200 To 3,500, Deduct	-1.01	
		For >3,500, Deduct	-1.27	
09 68 16 00-0037	SY	0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding.....	11.36	3.39
		For Up To 15, Add	1.03	
		For >15 To 33, Add	0.51	
		For >200 To 400, Deduct	-0.12	
		For >400 To 600, Deduct	-0.19	
		For >600 To 900, Deduct	-0.39	
		For >900 To 1,500, Deduct	-0.59	
		For >1,500 To 2,200, Deduct	-0.88	
		For >2,200 To 3,500, Deduct	-1.16	
		For >3,500, Deduct	-1.45	
09 68 16 00-0038		Indoor/Outdoor Carpet (09 68 16)		
		Note: Includes waterproof glue.		
09 68 16 00-0039	SY	Nylon Indoor/Outdoor Carpet.....	58.12	6.78
09 68 16 00-0040	SY	Ozite Indoor/Outdoor Carpet.....	44.78	6.78
09 68 16 00-0041		Commercial Broadloom Carpet (09 68 16)		
		Note: Level-loop pile or textured-loop pile broadloom carpet.		
09 68 16 00-0042		Non-Patterned Broadloom Carpet (09 68 16 00-0041)		
09 68 16 00-0043	SY	22 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	57.89	33.24
		For Up To 15, Add	4.43	
		For >15 To 33, Add	2.22	
		For >200 To 400, Deduct	-0.71	
		For >400 To 600, Deduct	-1.07	
		For >600 To 900, Deduct	-2.12	
		For >900, Deduct	-3.17	
		For Moisture Barrier Backing, Add	3.50	
		For Installation On Stairs, Each Riser, Add	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0044	SY	24 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	.....	58.25	33.24
		For Up To 15, Add	.....	4.43	
		For >15 To 33, Add	.....	2.22	
		For >200 To 400, Deduct	.....	-0.72	
		For >400 To 600, Deduct	.....	-1.08	
		For >600 To 900, Deduct	.....	-2.14	
		For >900, Deduct	.....	-3.19	
		For Moisture Barrier Backing, Add	.....	3.50	
		For Installation On Stairs, Each Riser, Add	.....	6.00	
09 68 16 00-0045	SY	26 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	.....	58.78	33.24
		For Up To 15, Add	.....	4.43	
		For >15 To 33, Add	.....	2.22	
		For >200 To 400, Deduct	.....	-0.73	
		For >400 To 600, Deduct	.....	-1.10	
		For >600 To 900, Deduct	.....	-2.16	
		For >900, Deduct	.....	-3.23	
		For Moisture Barrier Backing, Add	.....	3.50	
		For Installation On Stairs, Each Riser, Add	.....	6.00	
09 68 16 00-0046	SY	28 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	.....	62.74	36.01
		For Up To 15, Add	.....	4.80	
		For >15 To 33, Add	.....	2.40	
		For >200 To 400, Deduct	.....	-0.77	
		For >400 To 600, Deduct	.....	-1.16	
		For >600 To 900, Deduct	.....	-2.30	
		For >900, Deduct	.....	-3.43	
		For Moisture Barrier Backing, Add	.....	3.50	
		For Installation On Stairs, Each Riser, Add	.....	6.00	
09 68 16 00-0047	SY	30 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	.....	64.83	36.01
		For Up To 15, Add	.....	4.80	
		For >15 To 33, Add	.....	2.40	
		For >200 To 400, Deduct	.....	-0.82	
		For >400 To 600, Deduct	.....	-1.22	
		For >600 To 900, Deduct	.....	-2.40	
		For >900, Deduct	.....	-3.58	
		For Cut Pile Carpet, Add	.....	1.50	
		For Moisture Barrier Backing, Add	.....	3.50	
		For Installation On Stairs, Each Riser, Add	.....	6.00	
09 68 16 00-0048	SY	32 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	.....	66.43	36.01
		For Up To 15, Add	.....	4.80	
		For >15 To 33, Add	.....	2.40	
		For >200 To 400, Deduct	.....	-0.85	
		For >400 To 600, Deduct	.....	-1.27	
		For >600 To 900, Deduct	.....	-2.48	
		For >900, Deduct	.....	-3.69	
		For Cut Pile Carpet, Add	.....	1.50	
		For Moisture Barrier Backing, Add	.....	3.50	
		For Installation On Stairs, Each Riser, Add	.....	6.00	
09 68 16 00-0049	SY	34 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	.....	72.45	38.77
		For Up To 15, Add	.....	5.17	
		For >15 To 33, Add	.....	2.59	
		For >200 To 400, Deduct	.....	-0.93	
		For >400 To 600, Deduct	.....	-1.40	
		For >600 To 900, Deduct	.....	-2.72	
		For >900, Deduct	.....	-4.04	
		For Cut Pile Carpet, Add	.....	1.50	
		For Moisture Barrier Backing, Add	.....	3.50	
		For Installation On Stairs, Each Riser, Add	.....	6.00	
09 68 16 00-0050	SY	36 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	.....	74.41	38.77
		For Up To 15, Add	.....	5.17	
		For >15 To 33, Add	.....	2.59	
		For >200 To 400, Deduct	.....	-0.97	
		For >400 To 600, Deduct	.....	-1.46	
		For >600 To 900, Deduct	.....	-2.82	
		For >900, Deduct	.....	-4.17	
		For Cut Pile Carpet, Add	.....	1.50	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	.....	2.00	
		For Moisture Barrier Backing, Add	.....	3.50	
		For Installation On Stairs, Each Riser, Add	.....	6.00	
09 68 16 00-0051	SY	38 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	.....	76.60	38.77
		For Up To 15, Add	.....	5.17	
		For >15 To 33, Add	.....	2.59	
		For >200 To 400, Deduct	.....	-1.02	
		For >400 To 600, Deduct	.....	-1.52	
		For >600 To 900, Deduct	.....	-2.93	
		For >900, Deduct	.....	-4.33	
		For Cut Pile Carpet, Add	.....	1.50	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	.....	2.00	
		For Moisture Barrier Backing, Add	.....	3.50	
		For Installation On Stairs, Each Riser, Add	.....	6.00	
09 68 16 00-0052		Patterned Broadloom Carpet	(09 68 16 00-0041)		
		Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.			
09 68 16 00-0053	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	.....	60.65	33.24
		For Up To 15, Add	.....	4.88	
		For >15 To 33, Add	.....	2.44	
		For >200 To 400, Deduct	.....	-0.73	
		For >400 To 600, Deduct	.....	-1.09	
		For >600 To 900, Deduct	.....	-2.18	
		For >900, Deduct	.....	-3.27	
		For Moisture Barrier Backing, Add	.....	3.50	
		For Installation On Stairs, Each Riser, Add	.....	6.00	

09 Finishes**09 60 Flooring****09 68 Carpeting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
09 68 16 00-0054	SY 24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	61.01		33.24
	For Up To 15, Add	4.88		
	For >15 To 33, Add	2.44		
	For >200 To 400, Deduct	-0.73		
	For >400 To 600, Deduct	-1.10		
	For >600 To 900, Deduct	-2.20		
	For >900, Deduct	-3.30		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0055	SY 26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	61.55		33.24
	For Up To 15, Add	4.88		
	For >15 To 33, Add	2.44		
	For >200 To 400, Deduct	-0.74		
	For >400 To 600, Deduct	-1.12		
	For >600 To 900, Deduct	-2.22		
	For >900, Deduct	-3.33		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0056	SY 28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	65.72		36.01
	For Up To 15, Add	5.28		
	For >15 To 33, Add	2.64		
	For >200 To 400, Deduct	-0.79		
	For >400 To 600, Deduct	-1.18		
	For >600 To 900, Deduct	-2.36		
	For >900, Deduct	-3.54		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0057	SY 30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	67.84		36.01
	For Up To 15, Add	5.28		
	For >15 To 33, Add	2.64		
	For >200 To 400, Deduct	-0.83		
	For >400 To 600, Deduct	-1.24		
	For >600 To 900, Deduct	-2.47		
	For >900, Deduct	-3.69		
	For Cut Pile Carpet, Add	1.50		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0058	SY 32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	69.47		36.01
	For Up To 15, Add	5.28		
	For >15 To 33, Add	2.64		
	For >200 To 400, Deduct	-0.86		
	For >400 To 600, Deduct	-1.29		
	For >600 To 900, Deduct	-2.55		
	For >900, Deduct	-3.81		
	For Cut Pile Carpet, Add	1.50		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0059	SY 34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	75.74		38.77
	For Up To 15, Add	5.69		
	For >15 To 33, Add	2.84		
	For >200 To 400, Deduct	-0.95		
	For >400 To 600, Deduct	-1.42		
	For >600 To 900, Deduct	-2.79		
	For >900, Deduct	-4.16		
	For Cut Pile Carpet, Add	1.50		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0060	SY 36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	77.73		38.77
	For Up To 15, Add	5.69		
	For >15 To 33, Add	2.84		
	For >200 To 400, Deduct	-0.99		
	For >400 To 600, Deduct	-1.48		
	For >600 To 900, Deduct	-2.89		
	For >900, Deduct	-4.30		
	For Cut Pile Carpet, Add	1.50		
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0061	SY 38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	79.95		38.77
	For Up To 15, Add	5.69		
	For >15 To 33, Add	2.84		
	For >200 To 400, Deduct	-1.03		
	For >400 To 600, Deduct	-1.55		
	For >600 To 900, Deduct	-3.00		
	For >900, Deduct	-4.46		
	For Cut Pile Carpet, Add	1.50		
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		
09 68 16 00-0062	SY 32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet (Karastan Studded).....	109.77		36.01
	For Up To 15, Add	5.28		
	For >15 To 33, Add	2.64		
	For >200 To 400, Deduct	-1.67		
	For >400 To 600, Deduct	-2.50		
	For >600 To 900, Deduct	-4.56		
	For >900, Deduct	-6.63		
	For Cut Pile Carpet, Add	1.50		
	For Moisture Barrier Backing, Add	3.50		
	For Installation On Stairs, Each Riser, Add	6.00		

			Finishes		09	2
			Flooring		09 60	
			Carpeting		09 68	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION	
			UNIT COST		UNIT COST	
09 68 16 00-0063		Carpet Accessories (09 68 16)				
09 68 16 00-0064	LF	Metal Carpet Saddle Strip, Up To 4" Wide.....	7.76		0.92	
09 68 16 00-0065		Removal And Reinstallation Of Carpet And Pad (09 68 16)				
		Note: Includes storage, cleaning and supply materials.				
09 68 16 00-0066	SY	Removal And Reinstallation Of Carpet And Pad.....	46.75			
09 68 16 00-0067		Carpeting Support Functions (09 68 16)				
09 68 16 00-0068		Relocate Partitions, Modular Workstations (09 68 16 00-0067)				
		Note: Includes disassembly and reassembly of workstation. Excludes electrical disconnection or reconnection.				
09 68 16 00-0069	EA	Relocate Modular Workstation.....	323.34			
09 68 16 00-0070		Installation Of Owner Provided Broadloom Carpet (09 68 16)				
09 68 16 00-0071	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	19.69			
		Note: Includes adhesive for glue-down or tack strip for padded installations.				
		For Up To 15, Add	3.85			
		For >15 To 33, Add	1.93			
09 68 16 00-0072	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet.....	22.91			
		Note: Includes adhesive for glue-down or tack strip for padded installations.				
		For Up To 15, Add	4.50			
		For >15 To 33, Add	2.25			
09 68 16 00-0073	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet.....	27.40			
		Note: Includes adhesive for glue-down or tack strip for padded installations.				
		For Up To 15, Add	5.40			
		For >15 To 33, Add	2.70			
09 69		Access Flooring (09 60)				
09 69 13		Rigid-Grid Access Flooring (09 69)				
09 69 13 00-0001		Panels, No Covering (09 69 13)				
09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors.....	18.55		0.92	
		For Carpet Covering, Add	2.77			
		For Vinyl Floor Covering, Add	1.91			
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors.....	35.30		0.92	
		For Carpet Covering, Add	2.77			
		For Vinyl Floor Covering, Add	1.91			
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	32.85		1.01	
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	32.85		1.01	
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808.....	32.85		1.01	
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280.....	32.85		1.01	
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim.....	31.04		1.01	
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim.....	31.04		1.01	
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	35.11		1.01	
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	35.11		1.01	
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moondance 6808.....	35.11		1.01	
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280.....	35.11		1.01	
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim.....	33.30		1.01	
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim.....	33.30		1.01	
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim.....	42.31		1.01	
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim.....	42.31		1.01	
09 69 13 00-0018		Pedestals (09 69 13)				
09 69 13 00-0019	EA	6" To 12" Finished Floor Height, Pedestal Assembly.....	38.75		4.62	
09 69 13 00-0020	EA	8" To 12" Finished Floor Height, Pedestal Assembly.....	41.01		4.62	
09 69 13 00-0021	EA	18" To 24" Finished Floor Height, Pedestal Assembly.....	42.15		4.62	
09 69 13 00-0022	EA	30" To 36" Finished Floor Height, Pedestal Assembly.....	46.25		4.62	
09 69 13 00-0023		Stringers (09 69 13)				
09 69 13 00-0024	EA	2' Bolted Stringers, Access And Pedestal Floors.....	19.25		5.54	
09 69 13 00-0025	EA	4' Bolted Stringers, Access And Pedestal Floors.....	33.85		8.32	
09 69 13 00-0026	EA	6' Bolted Stringers, Access And Pedestal Floors.....	53.32		13.86	
09 69 13 00-0027		Understructure (09 69 13)				
09 69 13 00-0028	SF	Standard Bolted Stringer Understructure 8" Or 12" Finished Floor Height.....	6.66		1.38	
09 69 13 00-0029	SF	Standard Bolted Stringer Understructure 18" Or 24" Finished Floor Height.....	7.19		1.38	
09 69 13 00-0030	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height.....	8.54		1.38	
09 69 53		Access Flooring Accessories (09 69)				
09 69 53 00-0001		Accessories (09 69 53)				
09 69 53 00-0002	SF	Accessories, Ramp Assembly Access And Pedestal Floors.....	41.34		3.69	
09 69 53 00-0003	LF	Accessories, Handrail Access And Pedestal Floors.....	66.63		6.46	
09 69 53 00-0004	LF	Accessories, Fascia Plate Access And Pedestal Floors.....	25.95		6.46	
09 69 53 00-0005	EA	Machine Cutouts.....	209.09			
09 69 53 00-0006	SF	Tate Tamp, Cover Step Master Slip Retard- Tile, Buckskin Or Slate.....	69.17			

09 Finishes**09 60 Flooring****09 69 Access Flooring**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 69 53 00-0007	LF	Tate 2 Or 3 Riser Steps In Raised Floor System Note: Includes baffles, fascia plates trim and cover.	166.96	0.46
09 69 53 00-0008	LF	Tate Handrail	131.72	3.05
09 69 53 00-0009	SF	Hammered Aluminum Finish Fascia Note: Includes trim angles and hardware (8", 12", 18", 24").	47.54	3.05
09 69 53 00-0010	EA	7" x 17" Lexan Floor Mounted Grille Note: Includes carpet trim to flush mount.	215.91	11.55
09 69 53 00-0011	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	46.72	
09 69 53 00-0012	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003)	46.72	
09 69 53 00-0013	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New UTP Carpet	63.96	1.85
09 69 53 00-0014	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New HPL	78.67	1.85
09 69 53 00-0015	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL/WA Edge Trim	59.89	1.85
09 69 53 00-0016	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL Top set Trim Edge	78.66	1.85
09 69 53 00-0017	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	213.19	11.55
09 69 53 00-0018	EA	Flush Mounted Telephone Box (Grey/Black/Communications)	148.47	11.55
		Note: Includes cut hole.		
09 69 53 00-0019	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	213.19	11.55
09 69 53 00-0020	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	111.52	1.85
09 69 53 00-0021	EA	Removal And Reinstallation Of Flush Mounted Electrical, Telephone Or Communications Floor Box In Raised Floor	9.24	

09 69 53 00-0022 Final Cleaning For Computer Room Raised Floor System (09 69 53)

Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.

09 69 53 00-0023	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor	3.27	
09 69 53 00-0024	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath	3.40	
09 69 53 00-0025	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor	3.36	

09 70 Wall Finishes (09)**09 72 Wall Coverings (09 70)****09 72 13 Cork Wall Coverings (09 72)****09 72 13 00-0001** Cork Wall Covering (09 72 13)

09 72 13 00-0002	SF	1/8" Cork Wall Covering	6.24	1.10
09 72 13 00-0003	SF	1/4" Cork Wall Covering	7.60	1.10
09 72 13 00-0004	SF	1/2" Cork Wall Covering	8.70	1.10
09 72 13 00-0005	SF	3/4" Cork Wall Covering	11.88	1.10

09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)**09 72 16 13 Flexible Vinyl Wall Coverings (09 72 16)****09 72 16 13-0001** Vinyl Wall Coverings (09 72 16 13)

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 16 13-0002	SF	7 To 10 Oz/SY Vinyl Wall Covering	3.19	1.10
		For Owner Furnished Material, Deduct	-1.47	
09 72 16 13-0003	SF	11 To 14 Oz/SY Vinyl Wall Covering	3.99	1.10
		For Owner Furnished Material, Deduct	-2.15	
09 72 16 13-0004	SF	15 To 19 Oz/SY Vinyl Wall Covering	4.77	1.10
		For Owner Furnished Material, Deduct	-2.69	
09 72 16 13-0005	SF	20 To 25 Oz/SY Vinyl Wall Covering	5.41	1.10
		For Owner Furnished Material, Deduct	-3.10	
09 72 16 13-0006	SF	26 To 32 Oz/SY Vinyl Wall Covering	6.19	1.10
		For Owner Furnished Material, Deduct	-3.78	
09 72 16 13-0007	SF	33 To 38 Oz/SY Vinyl Wall Covering	7.29	1.10
		For Owner Furnished Material, Deduct	-4.78	

09 72 19 Textile Wall Coverings (09 72)**09 72 19 00-0001** Wall Fabrics (09 72 19)

09 72 19 00-0002	SF	Install Owner Furnished Wall Covering Fabrics, Non-Patterned Or Repeating Pattern	2.96	1.10
09 72 19 00-0003	SF	Install Owner Furnished Wall Covering Fabrics, Patterned	4.14	1.10

09 72 23 Wallpapering (09 72)**09 72 23 00-0001** Wallpaper Coverings (09 72 23)

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade)	2.49	1.46
09 72 23 00-0003	SF	High Quality Wallpaper (Designer Grade)	4.89	1.87
09 72 23 00-0004	SF	Textured Paintable Paper Installed On Ceiling	4.02	2.77

09 73 Wall Carpeting (09 70)**09 73 00 00-0001** Carpet Wall Covering (09 73)

09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering	61.28	36.91
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering	62.54	36.91
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering	67.85	39.75
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering	71.81	39.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering	75.88	39.75
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering	77.40	39.75
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering	80.42	42.93
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering	83.70	42.93

09 74 Flexible Wood Sheets (09 70)

09 74 16 Flexible Wood Veneers (09 74)

09 74 16 00-0001 Flexible Wood Veneer (09 74 16)

09 74 16 00-0002	SF	1/32" Thick, Flexible Maple Wood Veneer	12.64	4.42
09 74 16 00-0003	SF	1/32" Thick, Flexible Oak Wood Veneer	12.88	4.42
09 74 16 00-0004	SF	1/32" Thick, Flexible Mahogany Wood Veneer	12.88	4.42
09 74 16 00-0005	SF	1/32" Thick, Flexible Birch Wood Veneer	13.11	4.42
09 74 16 00-0006	SF	1/32" Thick, Flexible Walnut Wood Veneer	14.31	4.42
09 74 16 00-0007	SF	1/32" Thick, Flexible Bamboo Wood Veneer	15.74	4.42
09 74 16 00-0008	SF	1/32" Thick, Flexible Fir Wood Veneer	17.41	4.42

09 74 16 00-0009 Flexible Exotic Wood Veneer (09 74 16)

09 74 16 00-0010	SF	1/32" Thick, Flexible Exotic Wood Veneer	21.55	4.42
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09 78 Interior Wall Paneling (09 70)

09 78 13 Metal Interior Wall Paneling (09 78)

09 78 13 00-0001 Stainless Steel Wall Base (09 78 13)

Note: Grade CS304 with #4 satin polish

09 78 13 00-0002 22 Gauge Stainless Steel Wall Base (09 78 13 00-0001)

09 78 13 00-0003	LF	2" Height, 22 Gauge, Stainless Steel Straight Wall Base	13.04	3.05
09 78 13 00-0004	LF	4" Height, 22 Gauge, Stainless Steel Straight Wall Base	19.01	3.36
09 78 13 00-0005	LF	4-3/4" Height, 22 Gauge, Stainless Steel Straight Wall Base	21.09	3.36
09 78 13 00-0006	LF	6" Height, 22 Gauge, Stainless Steel Straight Wall Base	25.23	3.66
09 78 13 00-0007	LF	8" Height, 22 Gauge, Stainless Steel Straight Wall Base	31.47	4.07
09 78 13 00-0008	LF	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	14.58	3.05
09 78 13 00-0009	LF	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	20.47	3.36
09 78 13 00-0010	LF	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	22.53	3.36
09 78 13 00-0011	LF	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	26.48	3.66
09 78 13 00-0012	LF	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	32.74	4.07
09 78 13 00-0013	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	35.43	6.10
09 78 13 00-0014	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	44.67	6.72
09 78 13 00-0015	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	47.80	6.72
09 78 13 00-0016	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	54.01	7.32
09 78 13 00-0017	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	63.77	8.14
09 78 13 00-0018	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	71.15	6.10
09 78 13 00-0019	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	80.50	6.72
09 78 13 00-0020	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	83.52	6.72
09 78 13 00-0021	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	89.84	7.32
09 78 13 00-0022	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	99.59	8.14
09 78 13 00-0023	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	35.43	6.10
09 78 13 00-0024	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	44.67	6.72
09 78 13 00-0025	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	47.80	6.72
09 78 13 00-0026	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	54.01	7.32
09 78 13 00-0027	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	63.77	8.14
09 78 13 00-0028	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	85.52	6.10
09 78 13 00-0029	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	94.76	6.72
09 78 13 00-0030	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	97.89	6.72
09 78 13 00-0031	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	104.11	7.32
09 78 13 00-0032	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	113.86	8.14

09 78 13 00-0033 16 Gauge Stainless Steel Wall Base (09 78 13 00-0001)

09 78 13 00-0034	LF	2" Height, 16 Gauge, Stainless Steel Straight Wall Base	21.95	3.05
09 78 13 00-0035	LF	4" Height, 16 Gauge, Stainless Steel Straight Wall Base	36.92	3.36
09 78 13 00-0036	LF	4-3/4" Height, 16 Gauge, Stainless Steel Straight Wall Base	42.25	3.36
09 78 13 00-0037	LF	6" Height, 16 Gauge, Stainless Steel Straight Wall Base	51.81	3.66
09 78 13 00-0038	LF	8" Height, 16 Gauge, Stainless Steel Straight Wall Base	68.75	4.07
09 78 13 00-0039	LF	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	23.39	3.05
09 78 13 00-0040	LF	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	38.32	3.36
09 78 13 00-0041	LF	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	43.27	3.36
09 78 13 00-0042	LF	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	53.25	3.66
09 78 13 00-0043	LF	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	68.37	4.07
09 78 13 00-0044	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	48.76	6.10
09 78 13 00-0045	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	71.44	6.72
09 78 13 00-0046	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	79.35	6.72
09 78 13 00-0047	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	94.11	7.32
09 78 13 00-0048	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	117.30	8.14
09 78 13 00-0049	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	84.55	6.10
09 78 13 00-0050	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	107.22	6.72
09 78 13 00-0051	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	115.28	6.72
09 78 13 00-0052	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	129.93	7.32
09 78 13 00-0053	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	153.02	8.14
09 78 13 00-0054	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	48.76	6.10

09 Finishes**09 70 Wall Finishes****09 78 Interior Wall Paneling**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 78 13 00-0055	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	71.44	6.72
09 78 13 00-0056	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	79.35	6.72
09 78 13 00-0057	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	94.11	7.32
09 78 13 00-0058	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	117.30	8.14
09 78 13 00-0059	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	98.85	6.10
09 78 13 00-0060	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	121.53	6.72
09 78 13 00-0061	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	129.61	6.72
09 78 13 00-0062	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	144.26	7.32
09 78 13 00-0063	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	167.39	8.14

09 80 Acoustic Treatment ⁽⁰⁹⁾**09 81 Acoustic Insulation** ^(09 80)**09 81 16 Acoustic Blanket Insulation** ^(09 81)**09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB)** ^(09 81 16)

Note: Mineral wool

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) ^(09 81 16 00-0001)

09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.30	0.40
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.46	0.40
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.70	0.40
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.88	0.40
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.12	0.40
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.34	0.40
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.64	0.40
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.98	0.40

09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) ^(09 81 16 00-0001)

09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.25	0.40
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09 81 16 00-0013 Sound Attenuation Batts ^(09 81 16)

Note: NoiseReducer® by Certaineed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.

09 81 16 00-0014	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	1.89	0.54
09 81 16 00-0015	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	2.08	0.54
09 81 16 00-0016	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.23	0.54
09 81 16 00-0017	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	2.62	0.54
09 81 16 00-0018	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.74	0.54
09 81 16 00-0019	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	2.71	0.54
09 81 16 00-0020	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	2.84	0.54

09 84 Acoustic Room Components ^(09 80)**09 84 13 Fixed Sound-Absorptive Panels** ^(09 84)**09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets** ^(09 84 13)

Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system. See CSI section 09 22 13 00-0000 for furring, 09 53 23 00-0000 for suspended ceiling support.

09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	14.33	2.71
09 84 13 00-0003	SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	21.14	2.71

09 84 13 00-0004 Sound Absorbing Acoustical Wall Panel System ^(09 84 13)

See CSI section 06 11 16 00-0144 for wood furring.

09 84 13 00-0005 Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System**(Armstrong® Soundsoak®)** ^(09 84 13 00-0004)

Note: Includes tackable surface, molding and mounting hardware for flush mount.

09 84 13 00-0006	SF	5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	15.86	3.05
09 84 13 00-0007	SF	3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	14.70	3.05
09 84 13 00-0008	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	18.34	3.05
09 84 13 00-0009	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	18.37	3.05
09 84 13 00-0010	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	20.21	3.05
09 84 13 00-0011	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	20.21	3.05

09 84 13 00-0012 Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System**(Armstrong® Soundsoak®)** ^(09 84 13 00-0004)

Note: Includes molding and mounting hardware for flush mount.

09 84 13 00-0013	SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	18.39	3.05
09 84 13 00-0014	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	21.39	3.05
09 84 13 00-0015	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	21.39	3.05

Finishes			09
Acoustic Treatment			09 80
Acoustic Room Components			09 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 84 13 00-0016	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™).....	24.38	3.05
09 84 13 00-0017	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™).....	24.38	3.05

09 84 13 00-0018 Sound Absorbing Panel, Eggcrate Style (09 84 13)

Note: Ceiling or wall hung back.

09 84 13 00-0019	SF		2" Thick Polyurethane Sound Wave (Eggcrate Style).....	14.16	
			For Pyramid Style, Add	1.18	
09 84 13 00-0020	SF		3" Thick Polyurethane Sound Wave (Eggcrate Style).....	18.99	
			For Pyramid Style, Add	1.18	
09 84 13 00-0021	SF		4" Thick Polyurethane Sound Wave (Eggcrate Style).....	25.21	
			For Pyramid Style, Add	1.18	
09 84 13 00-0022	SF		2" Thick Melamine Sound Wave (Eggcrate Style).....	18.88	
			For Eggcrate Style With Hypalon Coating, Add	1.97	
			For Pyramid Style, Add	2.05	
			For Pyramid Style With Hypalon Coating, Add	4.02	
09 84 13 00-0023	SF		3" Thick Melamine Sound Wave (Eggcrate Style).....	29.52	
			For Eggcrate Style With Hypalon Coating, Add	1.97	
			For Pyramid Style, Add	0.42	
			For Pyramid Style With Hypalon Coating, Add	2.40	
09 84 13 00-0024	SF		4" Thick Melamine Sound Wave (Eggcrate Style).....	37.44	
			For Eggcrate Style With Hypalon Coating, Add	1.97	
			For Pyramid Style, Add	0.42	
			For Pyramid Style With Hypalon Coating, Add	2.40	

09 84 13 00-0025 Sound Deadening Fiberboard (09 84 13)

09 84 13 00-0026	SF		1/2" Sound Deadening Fiberboard	1.82	0.67
			For Horizontal Installation Up To 10' High, Add	0.42	
			For Horizontal Installation >10' High, Add	0.62	
			For Walls >10' High, Add	0.10	
			For Up To 128, Add	0.61	
			For >128 To 320, Add	0.37	

09 90 Painting and Coating (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting (09 90)

Note: (Sherwin Williams)

09 91 13 Exterior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding (09 91 13)

09 91 13 00-0002 Paint Exterior Brick Walls (09 91 13 00-0001)

09 91 13 00-0003	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls.....	0.29	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.04	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.06	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.10	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.13	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.19	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
				-0.06	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0004	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls.....	1.26	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.39	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.54	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.78	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 13 00-0005	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls	1.78	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.22	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.37	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.58	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.80	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.14	
		For >100 To 250, Add	0.54	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.36	
09 91 13 00-0006	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls.....	2.60	
		For Oil Based Paint, Add	0.16	
		For Work >15' To 20' Above Floor, Add	0.29	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.49	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.78	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.07	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.56	
		For >100 To 250, Add	0.75	
		For >250 To 500, Add	0.33	
		For >2,500 To 5,000, Deduct	-0.13	
		For >5,000 To 10,000, Deduct	-0.26	
		For >10,000 To 20,000, Deduct	-0.39	
		For >20,000, Deduct	-0.52	
09 91 13 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.87	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.48	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 13 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.41	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.54	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.81	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	

			Finishes	09	2
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 13 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	2.11		
		For Oil Based Paint, Add	0.14		
		For Work >15' To 20' Above Floor, Add	0.21		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.34		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.55		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.75		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.14		
		For >100 To 250, Add	0.55		
		For >250 To 500, Add	0.24		
		For >2,500 To 5,000, Deduct	-0.11		
		For >5,000 To 10,000, Deduct	-0.21		
		For >10,000 To 20,000, Deduct	-0.32		
		For >20,000, Deduct	-0.42		
09 91 13 00-0010	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.78		
		For Oil Based Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.07		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.12		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.18		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.25		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.39		
		For >100 To 250, Add	0.19		
		For >250 To 500, Add	0.09		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.08		
		For >10,000 To 20,000, Deduct	-0.12		
		For >20,000, Deduct	-0.16		
09 91 13 00-0011	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.82		
		For Oil Based Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.05		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.09		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.14		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.20		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.34		
		For >100 To 250, Add	0.17		
		For >250 To 500, Add	0.08		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.08		
		For >10,000 To 20,000, Deduct	-0.12		
		For >20,000, Deduct	-0.16		
09 91 13 00-0012	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls	1.71		
		For Oil Based Paint, Add	0.13		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.37		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.51		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.81		
		For >100 To 250, Add	0.40		
		For >250 To 500, Add	0.18		
		For >2,500 To 5,000, Deduct	-0.09		
		For >5,000 To 10,000, Deduct	-0.17		
		For >10,000 To 20,000, Deduct	-0.26		
		For >20,000, Deduct	-0.34		
09 91 13 00-0013		Paint Exterior Concrete Walls (09 91 13 00-0001)			
09 91 13 00-0014	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls	0.19		
		For Oil Based Paint, Add	0.01		
		For Epoxy Paint, Add	0.02		
		For Work >15' To 20' Above Floor, Add	0.02		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.04		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.06		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.09		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.12		
		For >100 To 250, Add	0.06		
		For >250 To 500, Add	0.03		
		For >2,500 To 5,000, Deduct	-0.01		
		For >5,000 To 10,000, Deduct	-0.02		
		For >10,000 To 20,000, Deduct	-0.03		
		For >20,000, Deduct	-0.04		

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0015	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.06	
		For Oil Based Paint, Add	0.06	
		For Epoxy Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.33	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 13 00-0016	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.14	
		For Oil Based Paint, Add	0.07	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.38	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.53	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.75	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 13 00-0017	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	2.16	
		For Oil Based Paint, Add	0.13	
		For Epoxy Paint, Add	0.22	
		For Work >15' To 20' Above Floor, Add	0.27	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.45	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.72	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.98	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.40	
		For >100 To 250, Add	0.66	
		For >250 To 500, Add	0.29	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.32	
		For >20,000, Deduct	-0.43	
09 91 13 00-0018	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.87	
		For Oil Based Paint, Add	0.06	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.16	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.26	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.35	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 13 00-0019	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.96	
		For Oil Based Paint, Add	0.06	
		For Epoxy Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	

		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

09 91 13 00-0020	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls.....	1.64	
	For Oil Based Paint, Add	0.10	
	For Epoxy Paint, Add	0.19	
	For Work >15' To 20' Above Floor, Add	0.19	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.32	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.51	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.70	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.01	
	For >100 To 250, Add	0.48	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.33	
09 91 13 00-0021	SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.71	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.17	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.24	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.36	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.14	
09 91 13 00-0022	SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.64	
	For Oil Based Paint, Add	0.04	
	For Epoxy Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.06	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.10	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.16	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.23	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.34	
	For >100 To 250, Add	0.17	
	For >250 To 500, Add	0.07	
	For >2,500 To 5,000, Deduct	-0.03	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 20,000, Deduct	-0.10	
	For >20,000, Deduct	-0.13	
09 91 13 00-0023	SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	1.12	
	For Oil Based Paint, Add	0.08	
	For Epoxy Paint, Add	0.19	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	

09 91 13 00-0024	Paint Exterior Concrete Block Walls (09 91 13 00-0001)	
09 91 13 00-0025	Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0024)	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0026	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.28	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.05	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.08	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.12	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.17	
		For >100 To 250, Add	0.08	
		For >250 To 500, Add	0.04	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 20,000, Deduct	-0.04	
		For >20,000, Deduct	-0.06	
09 91 13 00-0027	SF	1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls.....	1.50	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.43	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.59	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.87	
		For >100 To 250, Add	0.42	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.30	
09 91 13 00-0028	SF	1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.72	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.33	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.52	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.72	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.04	
		For >100 To 250, Add	0.50	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 20,000, Deduct	-0.26	
		For >20,000, Deduct	-0.34	
09 91 13 00-0029	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	3.01	
		For Work >15' To 20' Above Floor, Add	0.33	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.55	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.87	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.20	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.76	
		For >100 To 250, Add	0.85	
		For >250 To 500, Add	0.37	
		For >2,500 To 5,000, Deduct	-0.15	
		For >5,000 To 10,000, Deduct	-0.30	
		For >10,000 To 20,000, Deduct	-0.45	
		For >20,000, Deduct	-0.60	
09 91 13 00-0030	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.25	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.33	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.69	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0031	SF	1	Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.37	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.52	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	
09 91 13 00-0032	SF	2	Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	2.45	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.41	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.65	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.89	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.34	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.49	
09 91 13 00-0033	SF	1	Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.96	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0034	SF	1	Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.05	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0035	SF	2	Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	2.05	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0024)

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0037	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.27	
		For Oil Based Paint, Add	0.02	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.05	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.08	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.12	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.17	
		For >100 To 250, Add	0.08	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 20,000, Deduct	-0.04	
		For >20,000, Deduct	-0.05	
09 91 13 00-0038	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.37	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.44	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.60	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.86	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.27	
09 91 13 00-0039	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.62	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.19	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.50	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.69	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.99	
		For >100 To 250, Add	0.47	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	
09 91 13 00-0040	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	2.97	
		For Oil Based Paint, Add	0.19	
		For Work >15' To 20' Above Floor, Add	0.33	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.56	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.89	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.23	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.78	
		For >100 To 250, Add	0.85	
		For >250 To 500, Add	0.37	
		For >2,500 To 5,000, Deduct	-0.15	
		For >5,000 To 10,000, Deduct	-0.30	
		For >10,000 To 20,000, Deduct	-0.45	
		For >20,000, Deduct	-0.59	
09 91 13 00-0041	SF	1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.82	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.21	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.35	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.56	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.77	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.11	
		For >100 To 250, Add	0.53	
		For >250 To 500, Add	0.23	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0042	SF		1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.09	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 13 00-0043	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.39	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.41	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0044	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	2.40	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.42	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.66	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.91	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.36	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	
09 91 13 00-0045	SF		1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.56	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.63	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 13 00-0046	SF		1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.97	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0047	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	1.04	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.23	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 13 00-0048	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.58	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.41	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.56	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.85	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	
09 91 13 00-0049	SF	1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	1.32	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.42	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	
09 91 13 00-0050		Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)		
09 91 13 00-0051	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls	0.19	
		For Oil Based Paint, Add	0.01	
		For Work >15' To 20' Above Floor, Add	0.02	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.04	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.06	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.09	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.12	
		For >100 To 250, Add	0.06	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.04	
		For Epoxy Paint, Add	0.02	
09 91 13 00-0052	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall.....	1.09	
		For Oil Based Paint, Add	0.07	
		For Orange Peel Finish, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.47	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.22	
		For Epoxy Paint, Add	0.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0053	SF		1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.17	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.23	
			For Epoxy Paint, Add	0.11	
09 91 13 00-0054	SF		2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	2.17	
			For Oil Based Paint, Add	0.13	
			For Orange Peel Finish, Add	0.30	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.45	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.72	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.99	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.41	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.43	
			For Epoxy Paint, Add	0.22	
09 91 13 00-0055	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.87	
			For Oil Based Paint, Add	0.06	
			For Orange Peel Finish, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
			For Epoxy Paint, Add	0.11	
09 91 13 00-0056	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.87	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.38	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
			For Epoxy Paint, Add	0.10	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0057	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	1.61
		For Oil Based Paint, Add	0.10
		For Orange Peel Finish, Add	0.22
		For Work >15' To 20' Above Floor, Add	0.19
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.31
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.50
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.68
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.99
		For >100 To 250, Add	0.47
		For >250 To 500, Add	0.20
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.16
		For >10,000 To 20,000, Deduct	-0.24
		For >20,000, Deduct	-0.32
		For Epoxy Paint, Add	0.19
09 91 13 00-0058	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.70
		For Oil Based Paint, Add	0.05
		For Work >15' To 20' Above Floor, Add	0.06
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.11
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.17
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.23
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.36
		For >100 To 250, Add	0.18
		For >250 To 500, Add	0.08
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.11
		For >20,000, Deduct	-0.14
		For Epoxy Paint, Add	0.12
09 91 13 00-0059	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.74
		For Oil Based Paint, Add	0.05
		For Work >15' To 20' Above Floor, Add	0.08
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.13
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.20
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.28
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.42
		For >100 To 250, Add	0.20
		For >250 To 500, Add	0.09
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.07
		For >10,000 To 20,000, Deduct	-0.11
		For >20,000, Deduct	-0.15
		For Epoxy Paint, Add	0.11
09 91 13 00-0060	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	1.22
		For Oil Based Paint, Add	0.08
		For Work >15' To 20' Above Floor, Add	0.11
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.19
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.30
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.42
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.64
		For >100 To 250, Add	0.31
		For >250 To 500, Add	0.14
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.18
		For >20,000, Deduct	-0.24
		For Epoxy Paint, Add	0.20

09 91 13 00-0061 Paint Exterior Metal Walls (09 91 13 00-0001)

 09 91 13 00-0062 Paint Exterior Galvanized Walls (09 91 13 00-0061)
 Note: Linseed oil or acrylic latex paint.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0063	SF	1	Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.34	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0064	SF	1	Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.48	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
09 91 13 00-0065	SF	2	Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	2.70	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.07	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.41	
			For >20,000, Deduct	-0.54	
09 91 13 00-0066	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls.....	1.01	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0067	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls.....	1.16	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	2.18	
		For Work >15' To 20' Above Floor, Add	0.23	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.62	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.85	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.25	
		For >100 To 250, Add	0.60	
		For >250 To 500, Add	0.26	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000, Deduct	-0.44	
09 91 13 00-0069	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.80	
		For Work >15' To 20' Above Floor, Add	0.06	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.09	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.15	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.20	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.34	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.16	
09 91 13 00-0070	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls	1.03	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.33	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.51	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.21	
09 91 13 00-0071	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.77	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.50	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.81	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.35	
09 91 13 00-0072		Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0061)		
		Note: Alkyd enamel paint.		
09 91 13 00-0073	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.34	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.39	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.53	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.78	
		For >100 To 250, Add	0.38	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0074	SF	1	Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.48	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
09 91 13 00-0075	SF	2	Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	2.69	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.07	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.57	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.40	
			For >20,000, Deduct	-0.54	
09 91 13 00-0076	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.13	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0077	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.27	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0078	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	2.40	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.39	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.62	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.85	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.28	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 91 13 00-0079	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.88		
		For Work >15' To 20' Above Floor, Add	0.07		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.11		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.18		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.25		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.40		
		For >100 To 250, Add	0.20		
		For >250 To 500, Add	0.09		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.13		
		For >20,000, Deduct	-0.18		
09 91 13 00-0080	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.03		
		For Work >15' To 20' Above Floor, Add	0.09		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.15		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.24		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.33		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.51		
		For >100 To 250, Add	0.25		
		For >250 To 500, Add	0.11		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.15		
		For >20,000, Deduct	-0.21		
09 91 13 00-0081	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.77		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.36		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.50		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.81		
		For >100 To 250, Add	0.40		
		For >250 To 500, Add	0.18		
		For >2,500 To 5,000, Deduct	-0.09		
		For >5,000 To 10,000, Deduct	-0.18		
		For >10,000 To 20,000, Deduct	-0.27		
		For >20,000, Deduct	-0.35		
09 91 13 00-0082		Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0061)			
09 91 13 00-0083	LF	1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	15.72		
		For Work >15' To 20' Above Floor, Add	2.04		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	3.40		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	5.43		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	7.47		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	10.51		
		For >100 To 250, Add	4.97		
		For >250 To 500, Add	2.14		
		For >2,500 To 5,000, Deduct	-0.79		
		For >5,000 To 10,000, Deduct	-1.57		
		For >10,000 To 20,000, Deduct	-2.36		
		For >20,000, Deduct	-3.14		
09 91 13 00-0084	LF	1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	17.49		
		For Work >15' To 20' Above Floor, Add	2.26		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	3.77		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	6.03		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	8.29		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	11.67		
		For >100 To 250, Add	5.52		
		For >250 To 500, Add	2.38		
		For >2,500 To 5,000, Deduct	-0.87		
		For >5,000 To 10,000, Deduct	-1.75		
		For >10,000 To 20,000, Deduct	-2.62		
		For >20,000, Deduct	-3.50		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0085	LF		2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	32.65	
			For Work >15' To 20' Above Floor, Add	4.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	7.09	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	11.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	15.60	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	21.91	
			For >100 To 250, Add	10.36	
			For >250 To 500, Add	4.47	
			For >2,500 To 5,000, Deduct	-1.63	
			For >5,000 To 10,000, Deduct	-3.27	
			For >10,000 To 20,000, Deduct	-4.90	
			For >20,000, Deduct	-6.53	
09 91 13 00-0086			Paint Exterior Corrugated Metal Walls (09 91 13 00-0061)		
09 91 13 00-0087	SF		1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls.....	0.99	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0088	SF		1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls.....	1.30	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0089	SF		2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls	2.20	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.06	
			For >100 To 250, Add	0.52	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
09 91 13 00-0090			Paint Exterior Stucco Walls (09 91 13 00-0001)		
09 91 13 00-0091	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces	0.33	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.04	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.07	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.11	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.15	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 13 00-0092	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.81	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.23	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.38	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.61	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.84	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.19	
		For >100 To 250, Add	0.56	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.27	
		For >20,000, Deduct	-0.36	
09 91 13 00-0093	SF	1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.99	
		For Oil Based Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.25	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.42	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.67	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.92	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.30	
		For >100 To 250, Add	0.62	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.40	
09 91 13 00-0094	SF	2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	3.71	
		For Oil Based Paint, Add	0.22	
		For Work >15' To 20' Above Floor, Add	0.46	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.77	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	1.22	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.68	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	2.39	
		For >100 To 250, Add	1.14	
		For >250 To 500, Add	0.49	
		For >2,500 To 5,000, Deduct	-0.19	
		For >5,000 To 10,000, Deduct	-0.37	
		For >10,000 To 20,000, Deduct	-0.56	
		For >20,000, Deduct	-0.74	
09 91 13 00-0095	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.38	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.44	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.61	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.87	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	
09 91 13 00-0096	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls	1.56	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.19	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.50	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.68	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.98	
		For >100 To 250, Add	0.47	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0097	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls	2.89	
			For Oil Based Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.34	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.56	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.90	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.78	
			For >100 To 250, Add	0.85	
			For >250 To 500, Add	0.37	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.29	
			For >10,000 To 20,000, Deduct	-0.43	
			For >20,000, Deduct	-0.58	
09 91 13 00-0098	SF		1 Coat Primer, Sprayed, Paint Exterior Stucco Walls	0.96	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0099	SF		1 Coat Paint, Sprayed, Paint Exterior Stucco Walls	1.18	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0100	SF		2 Coats Paint, Sprayed, Paint Exterior Stucco Walls	2.26	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.38	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.61	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.84	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.25	
			For >100 To 250, Add	0.61	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.45	
09 91 13 00-0101			Paint Exterior Wood Siding (09 91 13 00-0001)		
09 91 13 00-0102			Paint Exterior Smooth Wood Siding (09 91 13 00-0101)		
			Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0103	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding	0.27	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.06	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.09	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.12	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.05	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0104	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	1.53	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.30	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.48	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.67	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.96	
		For >100 To 250, Add	0.46	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.31	
09 91 13 00-0105	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.62	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.34	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.54	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.74	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.05	
		For >100 To 250, Add	0.50	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	
09 91 13 00-0106	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding	2.89	
		For Oil Based Paint, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.35	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.59	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.94	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.29	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.84	
		For >100 To 250, Add	0.87	
		For >250 To 500, Add	0.38	
		For >2,500 To 5,000, Deduct	-0.14	
		For >5,000 To 10,000, Deduct	-0.29	
		For >10,000 To 20,000, Deduct	-0.43	
		For >20,000, Deduct	-0.58	
09 91 13 00-0107	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.21	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.69	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
09 91 13 00-0108	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.32	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.55	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.80	
		For >100 To 250, Add	0.38	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0109	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	2.50	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.28	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.46	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.74	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.02	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.49	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.50	
09 91 13 00-0110	SF		1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.93	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.31	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0111	SF		1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.10	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 13 00-0112	SF		2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.78	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.60	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0113			Paint Exterior Rough Wood Siding (09 91 13 00-0101)		
			Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0114	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	2.05	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.42	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.67	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.92	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.32	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 13 00-0115	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	2.04	
		For Oil Based Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.26	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.44	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.70	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.97	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.36	
		For >100 To 250, Add	0.64	
		For >250 To 500, Add	0.28	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000, Deduct	-0.41	
09 91 13 00-0116	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	3.76	
		For Oil Based Paint, Add	0.22	
		For Work >15' To 20' Above Floor, Add	0.48	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.80	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	1.28	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.77	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	2.49	
		For >100 To 250, Add	1.18	
		For >250 To 500, Add	0.51	
		For >2,500 To 5,000, Deduct	-0.19	
		For >5,000 To 10,000, Deduct	-0.38	
		For >10,000 To 20,000, Deduct	-0.56	
		For >20,000, Deduct	-0.75	
09 91 13 00-0117	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	1.85	
		For Oil Based Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.19	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.50	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.69	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.03	
		For >100 To 250, Add	0.50	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 20,000, Deduct	-0.28	
		For >20,000, Deduct	-0.37	
09 91 13 00-0118	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	1.99	
		For Oil Based Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.21	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.35	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.56	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.76	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.13	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.40	
09 91 13 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	3.70	
		For Oil Based Paint, Add	0.25	
		For Work >15' To 20' Above Floor, Add	0.38	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.63	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	1.00	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.38	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	2.06	
		For >100 To 250, Add	1.00	
		For >250 To 500, Add	0.44	
		For >2,500 To 5,000, Deduct	-0.19	
		For >5,000 To 10,000, Deduct	-0.37	
		For >10,000 To 20,000, Deduct	-0.56	
		For >20,000, Deduct	-0.74	

			Finishes	09	2
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 13 00-0120	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	1.27		
		For Oil Based Paint, Add	0.09		
		For Work >15' To 20' Above Floor, Add	0.11		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.19		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.30		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.42		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.65		
		For >100 To 250, Add	0.32		
		For >250 To 500, Add	0.14		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.13		
		For >10,000 To 20,000, Deduct	-0.19		
		For >20,000, Deduct	-0.25		
09 91 13 00-0121	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	1.42		
		For Oil Based Paint, Add	0.10		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.36		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.50		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.76		
		For >100 To 250, Add	0.37		
		For >250 To 500, Add	0.16		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.14		
		For >10,000 To 20,000, Deduct	-0.21		
		For >20,000, Deduct	-0.28		
09 91 13 00-0122	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn)	2.69		
		For Oil Based Paint, Add	0.19		
		For Work >15' To 20' Above Floor, Add	0.25		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.42		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.67		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.92		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.41		
		For >100 To 250, Add	0.69		
		For >250 To 500, Add	0.30		
		For >2,500 To 5,000, Deduct	-0.13		
		For >5,000 To 10,000, Deduct	-0.27		
		For >10,000 To 20,000, Deduct	-0.40		
		For >20,000, Deduct	-0.54		
09 91 13 00-0123		Paint Exterior Vinyl Siding (09 91 13 00-0001)			
09 91 13 00-0124	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding.....	0.21		
		For Oil Based Paint, Add	0.01		
		For Work >15' To 20' Above Floor, Add	0.02		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.04		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.06		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.09		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.13		
		For >100 To 250, Add	0.06		
		For >250 To 500, Add	0.03		
		For >2,500 To 5,000, Deduct	-0.01		
		For >5,000 To 10,000, Deduct	-0.02		
		For >10,000 To 20,000, Deduct	-0.03		
		For >20,000, Deduct	-0.04		
09 91 13 00-0125	SF	1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding.....	1.16		
		For Oil Based Paint, Add	0.07		
		For Work >15' To 20' Above Floor, Add	0.13		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.21		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.34		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.46		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.68		
		For >100 To 250, Add	0.33		
		For >250 To 500, Add	0.14		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.17		
		For >20,000, Deduct	-0.23		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 13 00-0126	SF	1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding	1.27	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.38	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.52	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.76	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 13 00-0127	SF	2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding	2.36	
		For Oil Based Paint, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.25	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.42	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.67	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.92	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.36	
		For >100 To 250, Add	0.65	
		For >250 To 500, Add	0.29	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000 To 20,000, Deduct	-0.35	
		For >20,000, Deduct	-0.47	
09 91 13 00-0128	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding.....	1.07	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.28	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.39	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.58	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 13 00-0129	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	1.07	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.28	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.39	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.58	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 13 00-0130	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.99	
		For Oil Based Paint, Add	0.14	
		For Work >15' To 20' Above Floor, Add	0.19	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.50	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.69	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.05	
		For >100 To 250, Add	0.51	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0131	SF	1	Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.91	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0132	SF	1	Coat Paint, Sprayed, Paint Exterior Vinyl Siding.....	1.05	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0133	SF	2	Coats Paint, Sprayed, Paint Exterior Vinyl Siding.....	2.07	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 13 00-0134			Paint Exterior Ceilings (09 91 13)		
09 91 13 00-0135			Paint Exterior Concrete Ceilings (09 91 13 00-0134)		
09 91 13 00-0136	LF	1	Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.21	
			For Oil Based Paint, Add	0.01	
			For Epoxy Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.07	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.10	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 13 00-0137	SF	1	Coat Filler, Brush Work, Paint Exterior Concrete Ceiling.....	1.20	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0138	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.29	
		For Oil Based Paint, Add	0.07	
		For Epoxy Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.44	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.61	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.86	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.26	
09 91 13 00-0139	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	2.32	
		For Oil Based Paint, Add	0.13	
		For Epoxy Paint, Add	0.23	
		For Work >15' To 20' Above Floor, Add	0.29	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.49	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.78	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.07	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.52	
		For >100 To 250, Add	0.72	
		For >250 To 500, Add	0.31	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.35	
		For >20,000, Deduct	-0.46	
09 91 13 00-0140	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.93	
		For Oil Based Paint, Add	0.06	
		For Epoxy Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.28	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.39	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.56	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 13 00-0141	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.02	
		For Oil Based Paint, Add	0.06	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.31	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
09 91 13 00-0142	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.91	
		For Oil Based Paint, Add	0.11	
		For Epoxy Paint, Add	0.21	
		For Work >15' To 20' Above Floor, Add	0.23	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.62	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.85	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.21	
		For >100 To 250, Add	0.58	
		For >250 To 500, Add	0.25	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 20,000, Deduct	-0.29	
		For >20,000, Deduct	-0.38	

		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

09 91 13 00-0143	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling.....	0.73	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.07	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.11	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.18	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.25	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.38	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	
09 91 13 00-0144	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling.....	0.83	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.33	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.48	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.17	
09 91 13 00-0145	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling.....	1.37	
		For Oil Based Paint, Add	0.09	
		For Epoxy Paint, Add	0.21	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.50	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.75	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.27	
09 91 13 00-0146		Drywall/Plaster (09 91 13 00-0134)		
09 91 13 00-0147	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	0.21	
		For Oil Based Paint, Add	0.01	
		For Epoxy Paint, Add	0.02	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.05	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.07	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.10	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.14	
		For >100 To 250, Add	0.07	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.04	
		For Epoxy Paint, Add	0.02	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0148	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.21	
		For Oil Based Paint, Add	0.07	
		For Orange Peel Finish, Add	0.17	
		For Epoxy Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.39	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.54	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.77	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
		For Epoxy Paint, Add	0.13	
09 91 13 00-0149	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.30	
		For Oil Based Paint, Add	0.07	
		For Orange Peel Finish, Add	0.18	
		For Epoxy Paint, Add	0.12	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.45	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.62	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.87	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	
		For Epoxy Paint, Add	0.12	
09 91 13 00-0150	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	2.32	
		For Oil Based Paint, Add	0.13	
		For Orange Peel Finish, Add	0.32	
		For Epoxy Paint, Add	0.23	
		For Work >15' To 20' Above Floor, Add	0.29	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.49	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.78	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.07	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.52	
		For >100 To 250, Add	0.72	
		For >250 To 500, Add	0.31	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.35	
		For >20,000, Deduct	-0.46	
		For Epoxy Paint, Add	0.23	
09 91 13 00-0151	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.91	
		For Oil Based Paint, Add	0.06	
		For Orange Peel Finish, Add	0.12	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.54	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	
		For Epoxy Paint, Add	0.11	

		Finishes	09	
		Painting and Coating	09 90	
		Painting	09 91	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

09 91 13 00-0152	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	1.02	
	For Oil Based Paint, Add	0.06	
	For Orange Peel Finish, Add	0.14	
	For Epoxy Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.46	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
	For Epoxy Paint, Add	0.11	
09 91 13 00-0153	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.90	
	For Oil Based Paint, Add	0.11	
	For Orange Peel Finish, Add	0.26	
	For Epoxy Paint, Add	0.21	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.38	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.61	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.84	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.20	
	For >100 To 250, Add	0.57	
	For >250 To 500, Add	0.25	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.38	
	For Epoxy Paint, Add	0.21	
09 91 13 00-0154	SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.73	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.11	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.25	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.38	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
	For Epoxy Paint, Add	0.12	
09 91 13 00-0155	SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.84	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.49	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.17	
	For Epoxy Paint, Add	0.11	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0156	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	1.37
		For Oil Based Paint, Add	0.09
		For Epoxy Paint, Add	0.21
		For Work >15' To 20' Above Floor, Add	0.14
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.23
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.36
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.50
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.75
		For >100 To 250, Add	0.36
		For >250 To 500, Add	0.16
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.14
		For >10,000 To 20,000, Deduct	-0.21
		For >20,000, Deduct	-0.27
		For Epoxy Paint, Add	0.21

09 91 13 00-0157 Paint Exterior Wood Ceilings (09 91 13 00-0134)**09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings (09 91 13 00-0157)**

09 91 13 00-0159	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling.....	0.26
		For Oil Based Paint, Add	0.02
		For Work >15' To 20' Above Floor, Add	0.03
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.05
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.08
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.12
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.17
		For >100 To 250, Add	0.08
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.04
		For >20,000, Deduct	-0.05
09 91 13 00-0160	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.48
		For Oil Based Paint, Add	0.09
		For Work >15' To 20' Above Floor, Add	0.17
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.29
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.46
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.64
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.92
		For >100 To 250, Add	0.44
		For >250 To 500, Add	0.19
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.22
		For >20,000, Deduct	-0.30
09 91 13 00-0161	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	1.53
		For Oil Based Paint, Add	0.09
		For Work >15' To 20' Above Floor, Add	0.19
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.31
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.50
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.69
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.98
		For >100 To 250, Add	0.47
		For >250 To 500, Add	0.20
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.23
		For >20,000, Deduct	-0.31
09 91 13 00-0162	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	2.79
		For Oil Based Paint, Add	0.17
		For Work >15' To 20' Above Floor, Add	0.34
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.56
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.90
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.23
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.76
		For >100 To 250, Add	0.84
		For >250 To 500, Add	0.36
		For >2,500 To 5,000, Deduct	-0.14
		For >5,000 To 10,000, Deduct	-0.28
		For >10,000 To 20,000, Deduct	-0.42
		For >20,000, Deduct	-0.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0163	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.21	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0164	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.29	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0165	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	2.32	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.42	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.67	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.92	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.35	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.46	
09 91 13 00-0166	SF		1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling.....	0.88	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0167	SF		1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling.....	0.88	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 13 00-0168	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.61	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.42	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.58	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.88	
		For >100 To 250, Add	0.43	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	

09 91 13 00-0169 Paint Exterior Rough Wood Ceilings (09 91 13 00-0157)

09 91 13 00-0170	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling	2.21	
		For Oil Based Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.26	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.44	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.70	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.96	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.38	
		For >100 To 250, Add	0.66	
		For >250 To 500, Add	0.29	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000, Deduct	-0.44	

09 91 13 00-0171	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	2.24	
		For Oil Based Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.29	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.49	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.78	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.08	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.51	
		For >100 To 250, Add	0.71	
		For >250 To 500, Add	0.31	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.34	
		For >20,000, Deduct	-0.45	

09 91 13 00-0172	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	3.90	
		For Oil Based Paint, Add	0.22	
		For Work >15' To 20' Above Floor, Add	0.50	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.84	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	1.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.84	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	2.60	
		For >100 To 250, Add	1.23	
		For >250 To 500, Add	0.53	
		For >2,500 To 5,000, Deduct	-0.20	
		For >5,000 To 10,000, Deduct	-0.39	
		For >10,000 To 20,000, Deduct	-0.59	
		For >20,000, Deduct	-0.78	

09 91 13 00-0173	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.99	
		For Oil Based Paint, Add	0.13	
		For Work >15' To 20' Above Floor, Add	0.21	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.35	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.56	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.76	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.13	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0174	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	2.13	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.38	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.61	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.84	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.24	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.43	
09 91 13 00-0175	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	3.84	
			For Oil Based Paint, Add	0.25	
			For Work >15' To 20' Above Floor, Add	0.40	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.66	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.06	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.16	
			For >100 To 250, Add	1.04	
			For >250 To 500, Add	0.46	
			For >2,500 To 5,000, Deduct	-0.19	
			For >5,000 To 10,000, Deduct	-0.38	
			For >10,000 To 20,000, Deduct	-0.58	
			For >20,000, Deduct	-0.77	
09 91 13 00-0176	SF		1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.41	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0177	SF		1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.56	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 13 00-0178	SF		2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	2.85	
			For Oil Based Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.46	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.73	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.01	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.53	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.29	
			For >10,000 To 20,000, Deduct	-0.43	
			For >20,000, Deduct	-0.57	

09 91 13 00-0179 Paint Exterior Metal Ceilings (09 91 13 00-0134)

09 91 13 00-0180 Paint Exterior Galvanized Ceilings (09 91 13 00-0179)
Note: Linseed oil or acrylic latex paint.

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 13 00-0181	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling	1.48	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.44	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.61	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.89	
		For >100 To 250, Add	0.43	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.22	
		For >20,000, Deduct	-0.30	
09 91 13 00-0182	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.62	
		For Work >15' To 20' Above Floor, Add	0.19	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.50	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.69	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.99	
		For >100 To 250, Add	0.47	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	
09 91 13 00-0183	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	2.97	
		For Work >15' To 20' Above Floor, Add	0.33	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.56	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.89	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.23	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.78	
		For >100 To 250, Add	0.85	
		For >250 To 500, Add	0.37	
		For >2,500 To 5,000, Deduct	-0.15	
		For >5,000 To 10,000, Deduct	-0.30	
		For >10,000 To 20,000, Deduct	-0.45	
		For >20,000, Deduct	-0.59	
09 91 13 00-0184	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.15	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 13 00-0185	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.28	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.39	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.53	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.77	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0186	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	2.28	
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.42	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.67	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.92	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.34	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.46	
09 91 13 00-0187	SF		1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling	1.03	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 13 00-0188	SF		1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.18	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0189	SF		2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.92	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.38	
09 91 13 00-0190			Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0179)		
			Note: Alkyd enamel paint.		
09 91 13 00-0191	SF		1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.48	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0192	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.62	
		For Work >15' To 20' Above Floor, Add	0.19	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.50	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.69	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.99	
		For >100 To 250, Add	0.47	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	
09 91 13 00-0193	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.97	
		For Work >15' To 20' Above Floor, Add	0.33	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.56	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.89	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.23	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.78	
		For >100 To 250, Add	0.85	
		For >250 To 500, Add	0.37	
		For >2,500 To 5,000, Deduct	-0.15	
		For >5,000 To 10,000, Deduct	-0.30	
		For >10,000 To 20,000, Deduct	-0.45	
		For >20,000, Deduct	-0.59	
09 91 13 00-0194	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.27	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.69	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 13 00-0195	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.40	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.24	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.39	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.53	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.79	
		For >100 To 250, Add	0.38	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	
09 91 13 00-0196	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.53	
		For Work >15' To 20' Above Floor, Add	0.25	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.42	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.67	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.92	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.38	
		For >100 To 250, Add	0.67	
		For >250 To 500, Add	0.29	
		For >2,500 To 5,000, Deduct	-0.13	
		For >5,000 To 10,000, Deduct	-0.25	
		For >10,000 To 20,000, Deduct	-0.38	
		For >20,000, Deduct	-0.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0197	SF	1	Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.03	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 13 00-0198	SF	1	Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.03	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91 13 00-0199	SF	2	Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.92	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.92	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.38	
09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0179)					
09 91 13 00-0201	SF	1	Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.14	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0202	SF	1	Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.30	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0203	SF		2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	2.39	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.56	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.77	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.20	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.48	
09 91 13 00-0204			Paint Exterior Floors (09 91 13)		
09 91 13 00-0205			Paint Exterior Concrete Floors (09 91 13 00-0204)		
09 91 13 00-0206	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks	0.17	
			For Up To 100, Add	0.11	
			For >100 To 250, Add	0.05	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.03	
09 91 13 00-0207	SF		1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.93	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.12	
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0208	SF		1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.01	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0209	SF		2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.91	
			For Oil Based Paint, Add	0.11	
			For Epoxy Paint, Add	0.21	
			For Up To 100, Add	1.21	
			For >100 To 250, Add	0.58	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.38	
09 91 13 00-0210	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.78	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0211	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.88	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0212	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.46	
			For Oil Based Paint, Add	0.09	
			For Epoxy Paint, Add	0.18	
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	

				Finishes	09	2
				Painting and Coating	09 90	
				Painting	09 91	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
				UNIT COST	UNIT COST	
09 91 13 00-0213	SF	1	Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.59		
			For Oil Based Paint, Add	0.04		
			For Epoxy Paint, Add	0.11		
			For Up To 100, Add	0.27		
			For >100 To 250, Add	0.14		
			For >250 To 500, Add	0.06		
			For >2,500 To 5,000, Deduct	-0.03		
			For >5,000 To 10,000, Deduct	-0.06		
			For >10,000 To 20,000, Deduct	-0.09		
			For >20,000, Deduct	-0.12		
09 91 13 00-0214	SF	1	Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.68		
			For Oil Based Paint, Add	0.05		
			For Epoxy Paint, Add	0.10		
			For Up To 100, Add	0.37		
			For >100 To 250, Add	0.18		
			For >250 To 500, Add	0.08		
			For >2,500 To 5,000, Deduct	-0.03		
			For >5,000 To 10,000, Deduct	-0.07		
			For >10,000 To 20,000, Deduct	-0.10		
			For >20,000, Deduct	-0.14		
09 91 13 00-0215	SF	2	Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	1.22		
			For Oil Based Paint, Add	0.08		
			For Epoxy Paint, Add	0.20		
			For Up To 100, Add	0.64		
			For >100 To 250, Add	0.31		
			For >250 To 500, Add	0.14		
			For >2,500 To 5,000, Deduct	-0.06		
			For >5,000 To 10,000, Deduct	-0.12		
			For >10,000 To 20,000, Deduct	-0.18		
			For >20,000, Deduct	-0.24		
09 91 13 00-0216	SF	1	Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	2.34		
			For Up To 100, Add	0.77		
			For >100 To 250, Add	0.41		
			For >250 To 500, Add	0.19		
			For >2,500 To 5,000, Deduct	-0.12		
			For >5,000 To 10,000, Deduct	-0.23		
			For >10,000 To 20,000, Deduct	-0.35		
			For >20,000, Deduct	-0.47		
09 91 13 00-0217	SF	1	Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	5.51		
			For Up To 100, Add	1.25		
			For >100 To 250, Add	0.73		
			For >250 To 500, Add	0.35		
			For >2,500 To 5,000, Deduct	-0.28		
			For >5,000 To 10,000, Deduct	-0.55		
			For >10,000 To 20,000, Deduct	-0.83		
			For >20,000, Deduct	-1.10		
09 91 13 00-0218	SF	1	Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	6.83		
			For Up To 100, Add	1.44		
			For >100 To 250, Add	0.86		
			For >250 To 500, Add	0.41		
			For >2,500 To 5,000, Deduct	-0.34		
			For >5,000 To 10,000, Deduct	-0.68		
			For >10,000 To 20,000, Deduct	-1.02		
			For >20,000, Deduct	-1.37		
09 91 13 00-0219 Paint Exterior Wood Floors (09 91 13 00-0204)						
09 91 13 00-0220	LF	1	Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks.....	0.21		
			For Up To 100, Add	0.13		
			For >100 To 250, Add	0.06		
			For >250 To 500, Add	0.03		
			For >2,500 To 5,000, Deduct	-0.01		
			For >5,000 To 10,000, Deduct	-0.02		
			For >10,000 To 20,000, Deduct	-0.03		
			For >20,000, Deduct	-0.04		
09 91 13 00-0221	SF	1	Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	1.16		
			For Oil Based Paint, Add	0.07		
			For Up To 100, Add	0.68		
			For >100 To 250, Add	0.33		
			For >250 To 500, Add	0.14		
			For >2,500 To 5,000, Deduct	-0.06		
			For >5,000 To 10,000, Deduct	-0.12		
			For >10,000 To 20,000, Deduct	-0.17		
			For >20,000, Deduct	-0.23		
09 91 13 00-0222	SF	1	Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.25		
			For Oil Based Paint, Add	0.08		
			For Up To 100, Add	0.77		
			For >100 To 250, Add	0.37		
			For >250 To 500, Add	0.16		
			For >2,500 To 5,000, Deduct	-0.06		
			For >5,000 To 10,000, Deduct	-0.13		
			For >10,000 To 20,000, Deduct	-0.19		
			For >20,000, Deduct	-0.25		

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0223	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.36	
		For Oil Based Paint, Add	0.15	
		For Up To 100, Add	1.44	
		For >100 To 250, Add	0.69	
		For >250 To 500, Add	0.30	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000 To 20,000, Deduct	-0.35	
		For >20,000, Deduct	-0.47	
09 91 13 00-0224	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	1.07	
		For Oil Based Paint, Add	0.07	
		For Up To 100, Add	0.58	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 13 00-0225	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.16	
		For Oil Based Paint, Add	0.07	
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 13 00-0226	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.90	
		For Oil Based Paint, Add	0.13	
		For Up To 100, Add	1.04	
		For >100 To 250, Add	0.50	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 20,000, Deduct	-0.29	
		For >20,000, Deduct	-0.38	
09 91 13 00-0227	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.73	
		For Oil Based Paint, Add	0.05	
		For Up To 100, Add	0.38	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	
09 91 13 00-0228	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	0.88	
		For Oil Based Paint, Add	0.06	
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.18	
09 91 13 00-0229	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.46	
		For Oil Based Paint, Add	0.10	
		For Up To 100, Add	0.77	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.22	
		For >20,000, Deduct	-0.29	
09 91 13 00-0230	SF	1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.48	
		For Up To 100, Add	0.88	
		For >100 To 250, Add	0.46	
		For >250 To 500, Add	0.21	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.25	
		For >10,000 To 20,000, Deduct	-0.37	
		For >20,000, Deduct	-0.50	
09 91 13 00-0231	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	6.97	
		For Up To 100, Add	1.55	
		For >100 To 250, Add	0.91	
		For >250 To 500, Add	0.43	
		For >2,500 To 5,000, Deduct	-0.35	
		For >5,000 To 10,000, Deduct	-0.70	
		For >10,000 To 20,000, Deduct	-1.05	
		For >20,000, Deduct	-1.39	

09 91 13 00-0232 Paint Exterior Doors And Windows (09 91 13)

09 91 13 00-0233 Paint Exterior Door Frames (09 91 13 00-0232)

09 91 13 00-0234	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.50	
		For Painting Either Interior Or Exterior Only, Deduct	-0.40	
09 91 13 00-0235	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim.....	1.94	
		For Painting Either Interior Or Exterior Only, Deduct	-0.51	
09 91 13 00-0236	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	3.29	
		For Painting Either Interior Or Exterior Only, Deduct	-0.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0237	LF		1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim.....	1.51	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.40	
09 91 13 00-0238	LF		1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.95	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.51	
09 91 13 00-0239	LF		2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	3.30	
			<i>For Painting Either Interior Or Exterior Only, Deduct</i>	-0.87	
09 91 13 00-0240 Paint Exterior Metal Doors (09 91 13 00-0232)					
09 91 13 00-0241	EA		1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door.....	65.76	
			Note: One face		
			<i>For Half Louvered Door, Add</i>	6.06	
			<i>For Full Louvered Door, Add</i>	10.10	
			<i>For Electrostatic Painting, Add</i>	10.38	
			<i>For >5 To 10, Deduct</i>	-3.29	
			<i>For >10 To 25, Deduct</i>	-6.58	
			<i>For >25, Deduct</i>	-9.86	
09 91 13 00-0242	EA		1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	65.76	
			Note: One face		
			<i>For Half Louvered Door, Add</i>	6.06	
			<i>For Full Louvered Door, Add</i>	10.10	
			<i>For Electrostatic Painting, Add</i>	10.38	
			<i>For >5 To 10, Deduct</i>	-3.29	
			<i>For >10 To 25, Deduct</i>	-6.58	
			<i>For >25, Deduct</i>	-9.86	
09 91 13 00-0243	EA		2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door.....	118.63	
			Note: One face		
			<i>For Half Louvered Door, Add</i>	10.24	
			<i>For Full Louvered Door, Add</i>	17.06	
			<i>For Electrostatic Painting, Add</i>	19.42	
			<i>For >5 To 10, Deduct</i>	-5.93	
			<i>For >10 To 25, Deduct</i>	-11.86	
			<i>For >25, Deduct</i>	-17.79	
09 91 13 00-0244	EA		1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door.....	118.01	
			Note: Both faces		
			<i>For Half Louvered Door, Add</i>	10.87	
			<i>For Full Louvered Door, Add</i>	18.12	
			<i>For Electrostatic Painting, Add</i>	18.63	
			<i>For >5 To 10, Deduct</i>	-5.90	
			<i>For >10 To 25, Deduct</i>	-11.80	
			<i>For >25, Deduct</i>	-17.70	
09 91 13 00-0245	EA		1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	118.01	
			Note: Both faces		
			<i>For Half Louvered Door, Add</i>	10.87	
			<i>For Full Louvered Door, Add</i>	18.12	
			<i>For Electrostatic Painting, Add</i>	18.63	
			<i>For >5 To 10, Deduct</i>	-5.90	
			<i>For >10 To 25, Deduct</i>	-11.80	
			<i>For >25, Deduct</i>	-17.70	
09 91 13 00-0246	EA		2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	213.68	
			Note: Both faces		
			<i>For Half Louvered Door, Add</i>	18.39	
			<i>For Full Louvered Door, Add</i>	30.64	
			<i>For Electrostatic Painting, Add</i>	35.03	
			<i>For >5 To 10, Deduct</i>	-10.68	
			<i>For >10 To 25, Deduct</i>	-21.37	
			<i>For >25, Deduct</i>	-32.05	
09 91 13 00-0247	EA		1 Coat Primer, Sprayed, Paint Exterior Metal Door	57.11	
			Note: One face		
			<i>For Half Louvered Door, Add</i>	4.38	
			<i>For Full Louvered Door, Add</i>	7.31	
			<i>For Electrostatic Painting, Add</i>	9.89	
			<i>For >5 To 10, Deduct</i>	-2.86	
			<i>For >10 To 25, Deduct</i>	-5.71	
			<i>For >25, Deduct</i>	-8.57	
09 91 13 00-0248	EA		1 Coat Paint, Sprayed, Paint Exterior Metal Door.....	57.11	
			Note: One face		
			<i>For Half Louvered Door, Add</i>	4.38	
			<i>For Full Louvered Door, Add</i>	7.31	
			<i>For Electrostatic Painting, Add</i>	9.89	
			<i>For >5 To 10, Deduct</i>	-2.86	
			<i>For >10 To 25, Deduct</i>	-5.71	
			<i>For >25, Deduct</i>	-8.57	
09 91 13 00-0249	EA		2 Coats Paint, Sprayed, Paint Exterior Metal Door.....	104.77	
			Note: One face		
			<i>For Half Louvered Door, Add</i>	7.40	
			<i>For Full Louvered Door, Add</i>	12.34	
			<i>For Electrostatic Painting, Add</i>	18.79	
			<i>For >5 To 10, Deduct</i>	-5.24	
			<i>For >10 To 25, Deduct</i>	-10.48	
			<i>For >25, Deduct</i>	-15.72	
09 91 13 00-0250	EA		1 Coat Primer, Sprayed, Paint Exterior Metal Door	102.52	
			Note: Both faces		
			<i>For Half Louvered Door, Add</i>	7.86	
			<i>For Full Louvered Door, Add</i>	13.10	
			<i>For Electrostatic Painting, Add</i>	17.77	
			<i>For >5 To 10, Deduct</i>	-5.13	
			<i>For >10 To 25, Deduct</i>	-10.25	
			<i>For >25, Deduct</i>	-15.38	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0251	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door.....	102.52	
		Note: Both faces		
		For Half Louvered Door, Add	7.86	
		For Full Louvered Door, Add	13.10	
		For Electrostatic Painting, Add	17.77	
		For >5 To 10, Deduct	-5.13	
		For >10 To 25, Deduct	-10.25	
		For >25, Deduct	-15.38	
09 91 13 00-0252	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	188.90	
		Note: Both faces		
		For Half Louvered Door, Add	13.30	
		For Full Louvered Door, Add	22.17	
		For Electrostatic Painting, Add	33.92	
		For >5 To 10, Deduct	-9.45	
		For >10 To 25, Deduct	-18.89	
		For >25, Deduct	-28.34	
09 91 13 00-0253	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	3.19	
		For Electrostatic Painting, Add	0.38	
09 91 13 00-0254	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.35	
		For Electrostatic Painting, Add	0.42	
09 91 13 00-0255	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	6.88	
		For Electrostatic Painting, Add	0.85	
09 91 13 00-0256	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door.....	3.17	
		For Electrostatic Painting, Add	0.38	
09 91 13 00-0257	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.33	
		For Electrostatic Painting, Add	0.42	
09 91 13 00-0258	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	6.47	
		For Electrostatic Painting, Add	0.82	

09 91 13 00-0259 Paint Exterior Wood Doors (09 91 13 00-0232)

09 91 13 00-0260	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	62.28	
		Note: One face		
		For Half Louvered Door, Add	6.06	
		For Full Louvered Door, Add	10.10	
		For >5 To 10, Deduct	-3.11	
		For >10 To 25, Deduct	-6.23	
		For >25, Deduct	-9.34	
09 91 13 00-0261	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....	62.28	
		Note: One face		
		For Half Louvered Door, Add	6.06	
		For Full Louvered Door, Add	10.10	
		For >5 To 10, Deduct	-3.11	
		For >10 To 25, Deduct	-6.23	
		For >25, Deduct	-9.34	
09 91 13 00-0262	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door.....	111.72	
		Note: One face		
		For Half Louvered Door, Add	10.24	
		For Full Louvered Door, Add	17.06	
		For >5 To 10, Deduct	-5.59	
		For >10 To 25, Deduct	-11.17	
		For >25, Deduct	-16.76	
09 91 13 00-0263	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	111.76	
		Note: Both faces		
		For Half Louvered Door, Add	10.87	
		For Full Louvered Door, Add	18.12	
		For >5 To 10, Deduct	-5.59	
		For >10 To 25, Deduct	-11.18	
		For >25, Deduct	-16.76	
09 91 13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door.....	111.76	
		Note: Both faces		
		For Half Louvered Door, Add	10.87	
		For Full Louvered Door, Add	18.12	
		For >5 To 10, Deduct	-5.59	
		For >10 To 25, Deduct	-11.18	
		For >25, Deduct	-16.76	
09 91 13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door.....	201.18	
		Note: Both faces		
		For Half Louvered Door, Add	18.39	
		For Full Louvered Door, Add	30.64	
		For >5 To 10, Deduct	-10.06	
		For >10 To 25, Deduct	-20.12	
		For >25, Deduct	-30.18	
09 91 13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	53.29	
		Note: One face		
		For Half Louvered Door, Add	4.38	
		For Full Louvered Door, Add	7.31	
		For >5 To 10, Deduct	-2.66	
		For >10 To 25, Deduct	-5.33	
		For >25, Deduct	-7.99	
09 91 13 00-0267	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	53.29	
		Note: One face		
		For Half Louvered Door, Add	4.38	
		For Full Louvered Door, Add	7.31	
		For >5 To 10, Deduct	-2.66	
		For >10 To 25, Deduct	-5.33	
		For >25, Deduct	-7.99	

		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

09 91 13 00-0268	EA 2 Coats Paint, Sprayed, Paint Exterior Wood Door	97.19	
	Note: One face		
	For Half Louvered Door, Add	7.41	
	For Full Louvered Door, Add	12.35	
	For >5 To 10, Deduct	-4.86	
	For >10 To 25, Deduct	-9.72	
	For >25, Deduct	-14.58	
09 91 13 00-0269	EA 1 Coat Primer, Sprayed, Paint Exterior Wood Door	95.65	
	Note: Both faces		
	For Half Louvered Door, Add	7.86	
	For Full Louvered Door, Add	13.10	
	For >5 To 10, Deduct	-4.78	
	For >10 To 25, Deduct	-9.57	
	For >25, Deduct	-14.35	
09 91 13 00-0270	EA 1 Coat Paint, Sprayed, Paint Exterior Wood Door	95.65	
	Note: Both faces		
	For Half Louvered Door, Add	7.86	
	For Full Louvered Door, Add	13.10	
	For >5 To 10, Deduct	-4.78	
	For >10 To 25, Deduct	-9.57	
	For >25, Deduct	-14.35	
09 91 13 00-0271	EA 2 Coats Paint, Sprayed, Paint Exterior Wood Door	175.15	
	Note: Both faces		
	For Half Louvered Door, Add	13.30	
	For Full Louvered Door, Add	22.17	
	For >5 To 10, Deduct	-8.76	
	For >10 To 25, Deduct	-17.52	
	For >25, Deduct	-26.27	
09 91 13 00-0272	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.15	
09 91 13 00-0273	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.27	
09 91 13 00-0274	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	6.73	
09 91 13 00-0275	SF 1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.11	
09 91 13 00-0276	SF 1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.25	
09 91 13 00-0277	SF 2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	6.31	

09 91 13 00-0278 Paint Exterior Metal Windows (09 91 13 00-0232)

	Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0279	EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	107.40	
	For Electrostatic Painting, Add	13.26	
	For >5 To 10, Deduct	-5.37	
	For >10 To 25, Deduct	-10.74	
	For >25, Deduct	-16.11	
09 91 13 00-0280	EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	130.51	
	For Electrostatic Painting, Add	16.95	
	For >5 To 10, Deduct	-6.53	
	For >10 To 25, Deduct	-13.05	
	For >25, Deduct	-19.58	
09 91 13 00-0281	EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	176.29	
	For Electrostatic Painting, Add	23.17	
	For >5 To 10, Deduct	-8.81	
	For >10 To 25, Deduct	-17.63	
	For >25, Deduct	-26.44	
09 91 13 00-0282	EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	198.54	
	For Electrostatic Painting, Add	26.12	
	For >5 To 10, Deduct	-9.93	
	For >10 To 25, Deduct	-19.85	
	For >25, Deduct	-29.78	
09 91 13 00-0283	EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	220.12	
	For Electrostatic Painting, Add	28.90	
	For >5 To 10, Deduct	-11.01	
	For >10 To 25, Deduct	-22.01	
	For >25, Deduct	-33.02	
09 91 13 00-0284	SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	6.99	
	For Electrostatic Painting, Add	0.92	

09 91 13 00-0285 Paint Exterior Wood Windows (09 91 13 00-0232)

	Note: Two finish coats paint over primer.		
09 91 13 00-0286	EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	105.09	
	For >5 To 10, Deduct	-5.25	
	For >10 To 25, Deduct	-10.51	
	For >25, Deduct	-15.76	
09 91 13 00-0287	EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	126.94	
	For >5 To 10, Deduct	-6.35	
	For >10 To 25, Deduct	-12.69	
	For >25, Deduct	-19.04	
09 91 13 00-0288	EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	171.22	
	For >5 To 10, Deduct	-8.56	
	For >10 To 25, Deduct	-17.12	
	For >25, Deduct	-25.68	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 13 00-0289	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	192.82	
		<i>For >5 To 10, Deduct</i>	-9.64	
		<i>For >10 To 25, Deduct</i>	-19.28	
		<i>For >25, Deduct</i>	-28.92	
09 91 13 00-0290	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	213.82	
		<i>For >5 To 10, Deduct</i>	-10.69	
		<i>For >10 To 25, Deduct</i>	-21.38	
		<i>For >25, Deduct</i>	-32.07	
09 91 13 00-0291	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim.....	7.14	

09 91 13 00-0292 Paint Exterior Security Screens (09 91 13 00-0232)

09 91 13 00-0293	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	1.82	
		<i>For Electrostatic Painting, Add</i>	0.24	
09 91 13 00-0294	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	1.86	
		<i>For Electrostatic Painting, Add</i>	0.23	
09 91 13 00-0295	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen.....	3.07	
		<i>For Electrostatic Painting, Add</i>	0.38	

09 91 13 00-0296 Paint Exterior Window Guards (09 91 13 00-0232)

09 91 13 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	1.82	
09 91 13 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	1.86	
09 91 13 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards.....	3.07	

09 91 13 00-0300 Paint Exterior Window Trim (09 91 13 00-0232)

09 91 13 00-0301	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.68	
09 91 13 00-0302	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.68	
09 91 13 00-0303	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.71	
09 91 13 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.90	
09 91 13 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.90	
09 91 13 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim.....	3.17	

09 91 13 00-0307 Paint Exterior Roofing And Trim (09 91 13)**09 91 13 00-0308 Paint Stain Or Seal Wood Roofing (09 91 13 00-0307)**

09 91 13 00-0309	SF	1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake.....	2.41	
		<i>For Up To 100, Add</i>	1.23	
		<i>For >100 To 250, Add</i>	0.60	
		<i>For >250 To 500, Add</i>	0.26	
09 91 13 00-0310	SF	2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake	4.44	
		<i>For Up To 100, Add</i>	2.22	
		<i>For >100 To 250, Add</i>	1.09	
		<i>For >250 To 500, Add</i>	0.48	

09 91 13 00-0311 Paint Metal Roofing (09 91 13 00-0307)

09 91 13 00-0312	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Roofing	1.05	
		<i>For Up To 100, Add</i>	0.50	
		<i>For >100 To 250, Add</i>	0.25	
		<i>For >250 To 500, Add</i>	0.11	
09 91 13 00-0313	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Roofing	1.83	
		<i>For Up To 100, Add</i>	0.89	
		<i>For >100 To 250, Add</i>	0.44	
		<i>For >250 To 500, Add</i>	0.19	

09 91 13 00-0314 Paint Fascia Board (09 91 13 00-0307)

09 91 13 00-0315	LF	1 Coat Primer, Brush/Roller Work, Paint Fascia Board.....	0.99	
		<i>For Up To 100, Add</i>	0.49	
		<i>For >100 To 250, Add</i>	0.24	
		<i>For >250 To 500, Add</i>	0.11	
09 91 13 00-0316	LF	1 Coat Paint, Brush/Roller Work, Paint Fascia Board	0.99	
		<i>For Up To 100, Add</i>	0.49	
		<i>For >100 To 250, Add</i>	0.24	
		<i>For >250 To 500, Add</i>	0.11	
09 91 13 00-0317	LF	2 Coats Paint, Brush/Roller Work, Paint Fascia Board	1.72	
		<i>For Up To 100, Add</i>	0.88	
		<i>For >100 To 250, Add</i>	0.43	
		<i>For >250 To 500, Add</i>	0.19	

09 91 13 00-0318 Paint Soffit (09 91 13 00-0307)

09 91 13 00-0319	SF	1 Coat Primer, Brush/Roller Work, Paint Soffit	1.17	
		<i>For Up To 100, Add</i>	0.52	
		<i>For >100 To 250, Add</i>	0.26	
		<i>For >250 To 500, Add</i>	0.12	
09 91 13 00-0320	SF	1 Coat Paint, Brush/Roller Work, Paint Soffit.....	1.17	
		<i>For Up To 100, Add</i>	0.52	
		<i>For >100 To 250, Add</i>	0.26	
		<i>For >250 To 500, Add</i>	0.12	

				Finishes	09	9
				Painting and Coating	09 90	
				Painting	09 91	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
				UNIT COST	UNIT COST	
09 91 13 00-0321	SF		2 Coats Paint, Brush/Roller Work, Paint Soffit.....	2.00		
			For Up To 100, Add	0.92		
			For >100 To 250, Add	0.46		
			For >250 To 500, Add	0.20		
09 91 13 00-0322			Acrylic Elastomeric Coating For All Types Of Roofs (09 91 13 00-0307)			
09 91 13 00-0323	SF		2 Coats, Energy-Armor Ultra SunWhite Ultra Premium Acrylic Elastomeric Roof Coating (ICP APOC® AP-252)	3.33		
09 91 13 00-0324			Elastomeric Coating For All Types Of Roofs (09 91 13 00-0307)			
09 91 13 00-0325	SF		1 Coat, White Elastomeric Liquid Silicone Roof Membrane Coating (ICP APOC® Armor Flex® AP-585).....	3.94		
			Note: Per Coat			
09 91 13 00-0326			Paint Metal Surfaces (09 91 13)			
			Note: Tasks can be used for exterior or interior applications.			
09 91 13 00-0327			Paint Structural Steel (09 91 13 00-0326)			
09 91 13 00-0328			Paint Structural Steel, Brush Work (09 91 13 00-0327)			
09 91 13 00-0329	SF		1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel	1.26		
			For Up To 100, Add	0.80		
			For >100 To 250, Add	0.38		
			For >250 To 500, Add	0.16		
			For Epoxy Paint, Add	0.14		
09 91 13 00-0330	SF		1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel	1.11		
			For Up To 100, Add	0.68		
			For >100 To 250, Add	0.33		
			For >250 To 500, Add	0.14		
			For Epoxy Paint, Add	0.13		
09 91 13 00-0331			Paint Structural Steel, Spray Work (09 91 13 00-0327)			
09 91 13 00-0332	SF		1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel.....	0.86		
			For Electrostatic Painting, Add	0.12		
			For Up To 100, Add	0.50		
			For >100 To 250, Add	0.24		
			For >250 To 500, Add	0.10		
			For Epoxy Paint, Add	0.12		
09 91 13 00-0333	SF		1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel	0.73		
			For Electrostatic Painting, Add	0.11		
			For Up To 100, Add	0.40		
			For >100 To 250, Add	0.19		
			For >250 To 500, Add	0.08		
			For Epoxy Paint, Add	0.11		
09 91 13 00-0334			Paint Metal Decking, Beams And Bar Joist (09 91 13 00-0327)			
09 91 13 00-0335	SF		1 Coat Primer, Sprayed, Paint Exposed Metal Decking.....	0.98		
			For Up To 100, Add	0.59		
			For >100 To 250, Add	0.28		
			For >250 To 500, Add	0.12		
			For Epoxy Paint, Add	0.12		
09 91 13 00-0336	SF		1 Coat Paint, Sprayed, Paint Exposed Metal Decking	0.98		
			For Up To 100, Add	0.59		
			For >100 To 250, Add	0.28		
			For >250 To 500, Add	0.12		
			For Epoxy Paint, Add	0.12		
09 91 13 00-0337	SF		2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.64		
			For Up To 100, Add	0.94		
			For >100 To 250, Add	0.45		
			For >250 To 500, Add	0.20		
			For Epoxy Paint, Add	0.23		
09 91 13 00-0338	SF		1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.54		
			For Up To 100, Add	0.87		
			For >100 To 250, Add	0.42		
			For >250 To 500, Add	0.18		
			For Epoxy Paint, Add	0.22		
09 91 13 00-0339	SF		1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.50		
			For Up To 100, Add	0.87		
			For >100 To 250, Add	0.42		
			For >250 To 500, Add	0.18		
			For Epoxy Paint, Add	0.20		
09 91 13 00-0340	SF		2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	2.84		
			For Up To 100, Add	1.63		
			For >100 To 250, Add	0.78		
			For >250 To 500, Add	0.34		
			For Epoxy Paint, Add	0.39		
09 91 13 00-0341	SF		1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	1.20		
			For Up To 100, Add	0.68		
			For >100 To 250, Add	0.33		
			For >250 To 500, Add	0.14		
			For Epoxy Paint, Add	0.17		
09 91 13 00-0342	SF		1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists.....	1.20		
			For Up To 100, Add	0.68		
			For >100 To 250, Add	0.33		
			For >250 To 500, Add	0.14		
			For Epoxy Paint, Add	0.17		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
09 91 13 00-0343	SF	2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	2.05		
		For Up To 100, Add	1.11		
		For >100 To 250, Add	0.54		
		For >250 To 500, Add	0.24		
		For Epoxy Paint, Add	0.32		
09 91 13 00-0344 Paint Steel Pipes (09 91 13 00-0326)					
		Note: Includes pipe, tubes, rails, conduit, etc.			
09 91 13 00-0345	LF	1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	2.11		
		For Electrostatic Painting, Add	0.27		
		For Epoxy Paint, Add	0.22		
09 91 13 00-0346	LF	1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.36		
		For Electrostatic Painting, Add	0.30		
		For Epoxy Paint, Add	0.25		
09 91 13 00-0347	LF	1 Coat Primer, 4" Diameter, Paint Steel Pipes	2.66		
		For Electrostatic Painting, Add	0.34		
		For Epoxy Paint, Add	0.28		
09 91 13 00-0348	LF	1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes	3.33		
		For Electrostatic Painting, Add	0.42		
		For Epoxy Paint, Add	0.34		
09 91 13 00-0349	LF	1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes	4.21		
		For Electrostatic Painting, Add	0.53		
		For Epoxy Paint, Add	0.43		
09 91 13 00-0350	LF	1 Coat Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	2.11		
		For Electrostatic Painting, Add	0.27		
		For Epoxy Paint, Add	0.22		
09 91 13 00-0351	LF	1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.36		
		For Electrostatic Painting, Add	0.30		
		For Epoxy Paint, Add	0.25		
09 91 13 00-0352	LF	1 Coat Paint, 4" Diameter, Paint Steel Pipes	2.66		
		For Electrostatic Painting, Add	0.34		
		For Epoxy Paint, Add	0.28		
09 91 13 00-0353	LF	1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes	3.33		
		For Electrostatic Painting, Add	0.42		
		For Epoxy Paint, Add	0.34		
09 91 13 00-0354	LF	1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes	4.21		
		For Electrostatic Painting, Add	0.53		
		For Epoxy Paint, Add	0.43		
09 91 13 00-0355	LF	2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	4.28		
		For Electrostatic Painting, Add	0.57		
		For Epoxy Paint, Add	0.50		
09 91 13 00-0356	LF	2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	4.73		
		For Electrostatic Painting, Add	0.60		
		For Epoxy Paint, Add	0.49		
09 91 13 00-0357	LF	2 Coats Paint, 4" Diameter, Paint Steel Pipes	5.11		
		For Electrostatic Painting, Add	0.66		
		For Epoxy Paint, Add	0.54		
09 91 13 00-0358	LF	2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes	6.46		
		For Electrostatic Painting, Add	0.82		
		For Epoxy Paint, Add	0.68		
09 91 13 00-0359	LF	2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes	7.95		
		For Electrostatic Painting, Add	1.02		
		For Epoxy Paint, Add	0.85		
09 91 13 00-0360	EA	1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	10.41		
		For Electrostatic Painting, Add	1.10		
		For Epoxy Paint, Add	0.63		
09 91 13 00-0361 Paint Metal Louvers (09 91 13 00-0326)					
09 91 13 00-0362	SF	1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.74		
		For Electrostatic Painting, Add	0.21		
09 91 13 00-0363	SF	1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.77		
		For Electrostatic Painting, Add	0.21		
09 91 13 00-0364	SF	2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	3.62		
		For Electrostatic Painting, Add	0.44		
09 91 13 00-0365 Paint Ladders (09 91 13 00-0326)					
09 91 13 00-0366	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders	4.75		
		For Epoxy Paint, Add	0.29		
09 91 13 00-0367	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	5.31		
		For Epoxy Paint, Add	0.32		
09 91 13 00-0368	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	10.46		
		For Epoxy Paint, Add	0.60		
09 91 13 00-0369 Paint Handrails (09 91 13 00-0326)					
09 91 13 00-0370	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.89		
		For Epoxy Paint, Add	0.15		
09 91 13 00-0371	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	2.10		
		For Epoxy Paint, Add	0.16		
09 91 13 00-0372	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	3.45		
		For Epoxy Paint, Add	0.23		
09 91 13 00-0373	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.46		
		For Epoxy Paint, Add	0.43		
09 91 13 00-0374	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.79		
		For Epoxy Paint, Add	0.45		

			Finishes	09	2
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 13 00-0375	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets.....	6.49		
		For Epoxy Paint, Add	0.71		
09 91 13 00-0376	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets.....	3.73		
		For Epoxy Paint, Add	0.44		
09 91 13 00-0377	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets.....	4.08		
		For Epoxy Paint, Add	0.46		
09 91 13 00-0378	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	6.88		
		For Epoxy Paint, Add	0.73		
09 91 13 00-0379	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	2.08		
		For Epoxy Paint, Add	0.23		
09 91 13 00-0380	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	2.29		
		For Epoxy Paint, Add	0.24		
09 91 13 00-0381	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	4.18		
		For Epoxy Paint, Add	0.47		
09 91 13 00-0382		Paint Grating (09 91 13 00-0326)			
09 91 13 00-0383	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames.....	3.47		
		For Epoxy Paint, Add	0.23		
09 91 13 00-0384	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames	3.53		
		For Epoxy Paint, Add	0.25		
09 91 13 00-0385	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames	5.29		
		For Epoxy Paint, Add	0.41		
09 91 13 00-0386		Equipment And Tanks (09 91 13 00-0326)			
09 91 13 00-0387		Paint Valves (09 91 13 00-0386)			
		Note: Includes 1 coat primer and 1 coat paint finish			
09 91 13 00-0388	EA	Prime And Paint 4" And Smaller Valve	35.96		
09 91 13 00-0389	EA	Prime And Paint 6" To 10" Valve	44.09		
09 91 13 00-0390	EA	Prime And Paint 12" To 18" Valve	57.99		
09 91 13 00-0391	EA	Prime And Paint 20" To 24" Valve	77.66		
09 91 13 00-0392	EA	Prime And Paint >24" To 36" Valve	105.46		
09 91 13 00-0393	EA	Prime And Paint >36" To 48" Valve	143.79		
09 91 13 00-0394		Paint Pumps And Motors (09 91 13 00-0386)			
		Note: Includes 1 coat primer and 1 coat paint finish			
09 91 13 00-0395	EA	Prime And Paint Pump Under 1 HP	110.23		
09 91 13 00-0396	EA	Prime And Paint Pump, 1 HP To 5 HP	145.17		
09 91 13 00-0397	EA	Prime And Paint Pump, >5 HP To 10 HP	174.37		
09 91 13 00-0398	EA	Prime And Paint Pump, >10 HP To 20 HP	195.41		
09 91 13 00-0399	EA	Prime And Paint Pump, >20 HP To 30 HP	227.98		
09 91 13 00-0400	EA	Prime And Paint Pump, >30 HP To 50 HP	260.54		
09 91 13 00-0401	EA	Prime And Paint Pump, >50 HP To 75 HP	287.36		
09 91 13 00-0402	EA	Prime And Paint Pump, >75 HP	325.68		
09 91 13 00-0403		Paint Storage Tanks (09 91 13 00-0386)			
09 91 13 00-0404	SF	1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface	1.39		
09 91 13 00-0405	SF	1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface	1.83		
09 91 13 00-0406	SF	2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface	3.46		
09 91 13 00-0407	SF	1 Coat Primer, Roller, Paint Storage Tank, Interior Surface	1.87		
09 91 13 00-0408	SF	1 Coat Paint, Roller, Paint Storage Tank, Interior Surface	2.37		
09 91 13 00-0409	SF	2 Coats Paint, Roller, Paint Storage Tank, Interior Surface	4.53		
09 91 13 00-0410	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.38		
09 91 13 00-0411	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface	1.70		
09 91 13 00-0412	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface	3.29		
09 91 13 00-0413	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.58		
09 91 13 00-0414	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface	2.08		
09 91 13 00-0415	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface	4.03		
09 91 13 00-0416		Other Site Work Painting (09 91 13)			
09 91 13 00-0417		Paint Fencing (09 91 13 00-0416)			
		Note: Per side of fence. Based on gross fence area (length of fence x height of fence).			
09 91 13 00-0418	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	1.06		
		For Epoxy Paint, Add	0.12		
		For Up To 100, Add	0.67		
		For >100 To 250, Add	0.32		
		For >250 To 500, Add	0.14		
09 91 13 00-0419	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.98		
		For Epoxy Paint, Add	0.23		
		For Up To 100, Add	1.23		
		For >100 To 250, Add	0.59		
		For >250 To 500, Add	0.25		
09 91 13 00-0420	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.87		
		For Epoxy Paint, Add	0.12		
		For Electrostatic Painting, Add	0.13		
		For Up To 100, Add	0.49		
		For >100 To 250, Add	0.24		
		For >250 To 500, Add	0.10		

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
09 91 13 00-0421	SF 2 Coats Paint, Sprayed, Paint Existing Chain Link Fence.....	1.64		
	For Epoxy Paint, Add	0.24		
	For Electrostatic Painting, Add	0.25		
	For Up To 100, Add	0.91		
	For >100 To 250, Add	0.44		
	For >250 To 500, Add	0.19		
09 91 13 00-0422	SF 1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.97		
	For Epoxy Paint, Add	0.13		
	For Up To 100, Add	0.57		
	For >100 To 250, Add	0.27		
	For >250 To 500, Add	0.12		
09 91 13 00-0423	SF 1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence.....	0.91		
	For Epoxy Paint, Add	0.11		
	For Up To 100, Add	0.56		
	For >100 To 250, Add	0.27		
	For >250 To 500, Add	0.12		
09 91 13 00-0424	SF Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.65		
	For Epoxy Paint, Add	0.10		
	For Up To 100, Add	0.36		
	For >100 To 250, Add	0.18		
	For >250 To 500, Add	0.08		
09 91 13 00-0425	SF 1 Coat Primer, Brush/Roller, Paint Picket Fence	1.25		
	For Epoxy Paint, Add	0.10		
	For Up To 100, Add	0.85		
	For >100 To 250, Add	0.40		
	For >250 To 500, Add	0.17		
09 91 13 00-0426	SF 1 Coat Paint, Brush/Roller, Paint Picket Fence.....	1.25		
	For Epoxy Paint, Add	0.10		
	For Up To 100, Add	0.85		
	For >100 To 250, Add	0.40		
	For >250 To 500, Add	0.17		
09 91 13 00-0427	SF Each Additional Coat, Brush/Roller, Paint Picket Fence	0.89		
	For Epoxy Paint, Add	0.09		
	For Up To 100, Add	0.58		
	For >100 To 250, Add	0.28		
	For >250 To 500, Add	0.12		
09 91 13 00-0428	SF 1 Coat Paint, Brush/Roller, Paint Wood Fences	0.93		
	For Up To 100, Add	0.56		
	For >100 To 250, Add	0.27		
	For >250 To 500, Add	0.12		
09 91 13 00-0429	SF 2 Coats Paint, Brush/Roller, Paint Wood Fences	1.67		
	For Up To 100, Add	0.98		
	For >100 To 250, Add	0.47		
	For >250 To 500, Add	0.20		
09 91 13 00-0430	SF 1 Coat Paint, Sprayed, Paint Wood Fences.....	0.68		
	For Up To 100, Add	0.37		
	For >100 To 250, Add	0.18		
	For >250 To 500, Add	0.08		
09 91 13 00-0431	SF 2 Coats Paint, Sprayed, Paint Wood Fences.....	1.29		
	For Up To 100, Add	0.69		
	For >100 To 250, Add	0.34		
	For >250 To 500, Add	0.15		
09 91 13 00-0432 Paint Shutters Or Blinds, Solid Panel (09 91 13 00-0416)				
09 91 13 00-0433	SF 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	3.76		
09 91 13 00-0434	SF 1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel.....	3.77		
09 91 13 00-0435	SF 2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	6.71		
09 91 13 00-0436	SF 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.15		
09 91 13 00-0437	SF 1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.17		
09 91 13 00-0438	SF 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel.....	4.02		
09 91 13 00-0439 Paint Shutters Or Blinds, Louvered Panel (09 91 13 00-0416)				
09 91 13 00-0440	SF 1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel.....	4.64		
09 91 13 00-0441	SF 1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	4.65		
09 91 13 00-0442	SF 2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	8.28		
09 91 13 00-0443	SF 1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.60		
09 91 13 00-0444	SF 1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.62		
09 91 13 00-0445	SF 2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel.....	4.84		
09 91 13 00-0446 Paint Flagpoles (09 91 13 00-0416)				
09 91 13 00-0447	EA 1 Coat Paint, 20' High, Paint Steel Flagpole	232.79		
09 91 13 00-0448	EA 1 Coat Paint, 30' High, Paint Steel Flagpole	314.11		
09 91 13 00-0449	EA 1 Coat Paint, 40' High, Paint Steel Flagpole	395.48		
09 91 13 00-0450	EA 1 Coat Paint, 50' High, Paint Steel Flagpole	476.86		
09 91 13 00-0451	EA 1 Coat Paint, 70' High, Paint Steel Flagpole	628.86		
09 91 13 00-0452	EA 1 Coat Paint, 80' High, Paint Steel Flagpole	708.88		
09 91 13 00-0453	EA 1 Coat Paint, 90' High, Paint Steel Flagpole	788.93		
09 91 13 00-0454 Paint Lattice Or Trellis (09 91 13 00-0416)				
09 91 13 00-0455	SF 1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis.....	1.68		
	For Up To 100, Add	1.12		
	For >100 To 250, Add	0.53		
	For >250 To 500, Add	0.23		

			Finishes	09	9
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 13 00-0456	SF	2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis.....	3.12		
		For Up To 100, Add	2.06		
		For >100 To 250, Add	0.98		
		For >250 To 500, Add	0.42		
09 91 13 00-0457		Paint Exterior Stairs (09 91 13)			
09 91 13 00-0458		Paint Exterior Concrete Stairs (09 91 13 00-0457)			
09 91 13 00-0459	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	20.67		
09 91 13 00-0460	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	20.67		
09 91 13 00-0461	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	26.85		
09 91 13 00-0462	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	44.81		
09 91 13 00-0463	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	41.35		
09 91 13 00-0464		Paint Exterior Metal Stairs (09 91 13 00-0457)			
09 91 13 00-0465	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	10.86		
		For Oil Based Paint, Add	0.59		
09 91 13 00-0466	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	10.86		
		For Oil Based Paint, Add	0.59		
09 91 13 00-0467	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	21.72		
		For Oil Based Paint, Add	1.18		
09 91 13 00-0468		Paint Exterior Wood Stairs (09 91 13 00-0457)			
09 91 13 00-0469	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	10.73		
09 91 13 00-0470	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	10.73		
09 91 13 00-0471	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	16.91		
09 91 13 00-0472	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	34.87		
09 91 13 00-0473	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	21.46		
09 91 13 00-0474		Paint Exterior Stair Nosing (09 91 13 00-0457)			
09 91 13 00-0475	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip.....	2.06		
09 91 13 00-0476		Paint Exterior Trim (09 91 13)			
09 91 13 00-0477		Paint Exterior Metal Trim And Gutters (09 91 13 00-0476)			
09 91 13 00-0478	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim.....	1.41		
		For Work >15' To 20' Above Floor, Add	0.18		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.29		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.47		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.64		
		Note: Applied only to work area above 40'.			
09 91 13 00-0479	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim.....	1.54		
		For Work >15' To 20' Above Floor, Add	0.20		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.33		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.52		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.72		
		Note: Applied only to work area above 40'.			
09 91 13 00-0480	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim.....	2.78		
		For Work >15' To 20' Above Floor, Add	0.35		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.58		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.92		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	1.27		
		Note: Applied only to work area above 40'.			
09 91 13 00-0481	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....	1.28		
		For Work >15' To 20' Above Floor, Add	0.16		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.26		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.42		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.57		
		Note: Applied only to work area above 40'.			
09 91 13 00-0482	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....	1.39		
		For Work >15' To 20' Above Floor, Add	0.17		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.29		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.46		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.63		
		Note: Applied only to work area above 40'.			

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0483	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	2.49
		For Work >15' To 20' Above Floor, Add	0.30
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.50
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.80
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.11
		Note: Applied only to work area above 40'.	
09 91 13 00-0484	LF	1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout	2.22
		For Work >15' To 20' Above Floor, Add	0.29
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.48
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.76
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.05
		Note: Applied only to work area above 40'.	
09 91 13 00-0485	LF	2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout	2.83
		For Work >15' To 20' Above Floor, Add	0.42
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.69
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	1.11
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.52
		Note: Applied only to work area above 40'.	

09 91 13 00-0486 Paint Exterior Wood Trim (09 91 13 00-0476)

09 91 13 00-0487	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Trim	2.08
		For Oil Based Paint, Add	0.13
		For Work >15' To 20' Above Floor, Add	0.25
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.42
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.66
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.91
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.31
		For >100 To 250, Add	0.62
		For >250 To 500, Add	0.27
		For >2,500 To 5,000, Deduct	-0.10
		For >5,000 To 10,000, Deduct	-0.21
		For >10,000 To 20,000, Deduct	-0.31
		For >20,000, Deduct	-0.42
09 91 13 00-0488	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Trim	2.25
		For Oil Based Paint, Add	0.14
		For Work >15' To 20' Above Floor, Add	0.27
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.45
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.72
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.98
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.41
		For >100 To 250, Add	0.67
		For >250 To 500, Add	0.29
		For >2,500 To 5,000, Deduct	-0.11
		For >5,000 To 10,000, Deduct	-0.23
		For >10,000 To 20,000, Deduct	-0.34
		For >20,000, Deduct	-0.45
09 91 13 00-0489	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Trim	4.10
		For Oil Based Paint, Add	0.25
		For Work >15' To 20' Above Floor, Add	0.48
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.80
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	1.27
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.75
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	2.52
		For >100 To 250, Add	1.21
		For >250 To 500, Add	0.52
		For >2,500 To 5,000, Deduct	-0.21
		For >5,000 To 10,000, Deduct	-0.41
		For >10,000 To 20,000, Deduct	-0.62
		For >20,000, Deduct	-0.82

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0490	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim.....	1.66	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 13 00-0491	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim.....	1.84	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.55	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.76	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.10	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	
09 91 13 00-0492	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim.....	3.43	
			For Oil Based Paint, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.38	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.63	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	1.00	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.38	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.02	
			For >100 To 250, Add	0.97	
			For >250 To 500, Add	0.42	
			For >2,500 To 5,000, Deduct	-0.17	
			For >5,000 To 10,000, Deduct	-0.34	
			For >10,000 To 20,000, Deduct	-0.51	
			For >20,000, Deduct	-0.69	
09 91 13 00-0493	SF		1 Coat Primer, Sprayed, Paint Exterior Wood Trim.....	1.27	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0494	SF		1 Coat Paint, Sprayed, Paint Exterior Wood Trim.....	1.42	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 13 00-0495	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Trim	2.69
		For Oil Based Paint, Add	0.19
		For Work >15' To 20' Above Floor, Add	0.25
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.42
		Note: Applied only to work area above 20'.	
		For Work >30' To 40' Above Floor, Add	0.67
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.92
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.41
		For >100 To 250, Add	0.69
		For >250 To 500, Add	0.30
		For >2,500 To 5,000, Deduct	-0.13
		For >5,000 To 10,000, Deduct	-0.27
		For >10,000 To 20,000, Deduct	-0.40
		For >20,000, Deduct	-0.54

09 91 13 00-0496 Paint Exterior Miscellaneous Metal Surfaces (09 91 13)

09 91 13 00-0497	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces.....	1.69
		For Epoxy Paint, Add	0.20
		For Electrostatic Painting, Add	0.23
09 91 13 00-0498	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.56
		For Epoxy Paint, Add	0.15
		For Electrostatic Painting, Add	0.19
09 91 13 00-0499	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces.....	3.16
		For Epoxy Paint, Add	0.32
		For Electrostatic Painting, Add	0.40

09 91 23 Interior Painting (09 91)

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0326 for additional interior materials.

09 91 23 00-0001 Paint Interior Walls (09 91 23)**09 91 23 00-0002 Paint Interior Brick Walls (09 91 23 00-0001)**

09 91 23 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls.....	0.25
		For Work >15' To 20' Above Floor, Add	0.03
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.05
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.08
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.12
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.16
		For >100 To 250, Add	0.08
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.04
		For >20,000, Deduct	-0.05
09 91 23 00-0004	SF	1 Coat Filler, Brush Work, Paint Interior Brick Walls.....	1.29
		For Oil Based Paint, Add	0.08
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.27
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.43
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.59
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.84
		For >100 To 250, Add	0.40
		For >250 To 500, Add	0.17
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.19
		For >20,000, Deduct	-0.26
09 91 23 00-0005	SF	1 Coat Paint, Brush Work, Paint Interior Brick Walls.....	1.49
		For Oil Based Paint, Add	0.09
		For Work >15' To 20' Above Floor, Add	0.19
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.31
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.50
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.69
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.97
		For >100 To 250, Add	0.46
		For >250 To 500, Add	0.20
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.22
		For >20,000, Deduct	-0.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0006	SF		2 Coat Paint, Brush Work, Paint Interior Brick Walls	2.66	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.33	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.54	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.87	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.19	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.70	
			For >100 To 250, Add	0.81	
			For >250 To 500, Add	0.35	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.27	
			For >10,000 To 20,000, Deduct	-0.40	
			For >20,000, Deduct	-0.53	
09 91 23 00-0007	SF		1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls	1.05	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0008	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls	1.29	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 23 00-0009	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	2.23	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.42	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.67	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.92	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.34	
			For >100 To 250, Add	0.64	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.45	
09 91 23 00-0010	SF		1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.84	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.33	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0011	SF	1 Coat Paint, Sprayed, Paint Interior Brick Walls	0.94	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.32	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 23 00-0012	SF	2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.62	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.41	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.57	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.86	
		For >100 To 250, Add	0.42	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	
09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	1.33	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.43	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.59	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.85	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.27	
09 91 23 00-0014	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls	1.09	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.67	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.22	
09 91 23 00-0015	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls	0.89	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.33	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.18	

09 91 23 00-0016 Paint Interior Concrete Walls (09 91 23 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0017	SF		1 Coat Filler, Brush Work, Paint Interior Concrete Walls	1.10	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0018	SF		1 Coat Paint, Brush Work, Paint Interior Concrete Walls	1.20	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0019	SF		2 Coats Paint, Brush Work, Paint Interior Concrete Walls	2.24	
			For Oil Based Paint, Add	0.12	
			For Epoxy Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.30	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.50	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.80	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.09	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.53	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.45	
09 91 23 00-0020	SF		1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.88	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0021	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.01	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0022	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	1.84	
		For Oil Based Paint, Add	0.11	
		For Epoxy Paint, Add	0.18	
		For Work >15' To 20' Above Floor, Add	0.23	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.62	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.86	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.21	
		For >100 To 250, Add	0.57	
		For >250 To 500, Add	0.25	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.28	
		For >20,000, Deduct	-0.37	
09 91 23 00-0023	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Walls.....	0.69	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.07	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.12	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.19	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.26	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.39	
		For >100 To 250, Add	0.19	
		For >250 To 500, Add	0.08	
		For >2,500 To 5,000, Deduct	-0.03	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.10	
		For >20,000, Deduct	-0.14	
09 91 23 00-0024	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.77	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.33	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.48	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.15	
09 91 23 00-0025	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Walls	1.26	
		For Oil Based Paint, Add	0.08	
		For Epoxy Paint, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.50	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.74	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 23 00-0026	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls.....	1.14	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.73	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0027	SF	1	Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls	0.92	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.39	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0028	SF	1	Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls	0.73	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.19	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.26	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0029	LF	1	Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls	0.20	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.07	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.10	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.14	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.04	
09 91 23 00-0030			Paint Interior Concrete Block Walls (09 91 23 00-0001)		
09 91 23 00-0031			Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0030)		
09 91 23 00-0032	LF	1	Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.54	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.06	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.09	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.13	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 23 00-0033	SF	1	Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls	1.51	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.66	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0034	SF	1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.76	
		For Work >15' To 20' Above Floor, Add	0.22	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.36	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.58	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.80	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.13	
		For >100 To 250, Add	0.54	
		For >250 To 500, Add	0.23	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.26	
		For >20,000, Deduct	-0.35	
09 91 23 00-0035	SF	2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls.....	3.14	
		For Work >15' To 20' Above Floor, Add	0.38	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.63	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	1.00	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.38	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.98	
		For >100 To 250, Add	0.94	
		For >250 To 500, Add	0.41	
		For >2,500 To 5,000, Deduct	-0.16	
		For >5,000 To 10,000, Deduct	-0.31	
		For >10,000 To 20,000, Deduct	-0.47	
		For >20,000, Deduct	-0.63	
09 91 23 00-0036	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.23	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.74	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.25	
09 91 23 00-0037	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.37	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.42	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.58	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.84	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.27	
09 91 23 00-0038	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.58	
		For Work >15' To 20' Above Floor, Add	0.29	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.49	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.78	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.07	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.56	
		For >100 To 250, Add	0.75	
		For >250 To 500, Add	0.32	
		For >2,500 To 5,000, Deduct	-0.13	
		For >5,000 To 10,000, Deduct	-0.26	
		For >10,000 To 20,000, Deduct	-0.39	
		For >20,000, Deduct	-0.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0039	SF	1	Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls.....	0.92	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0040	SF	1	Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.13	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0041	SF	2	Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	2.06	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.69	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.52	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 23 00-0042			Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0030)		
09 91 23 00-0043	LF	1	Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls.....	0.28	
			For Oil Based Paint, Add	0.02	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.06	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.09	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.13	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.06	
09 91 23 00-0044	SF	1	Coat Filler, Brush Work, Paint Interior Concrete Block Walls	1.42	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 23 00-0045	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.68	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.21	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.35	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.56	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.77	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.09	
		For >100 To 250, Add	0.52	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 20,000, Deduct	-0.25	
		For >20,000, Deduct	-0.34	
09 91 23 00-0046	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	3.04	
		For Oil Based Paint, Add	0.18	
		For Work >15' To 20' Above Floor, Add	0.37	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.62	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.99	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.94	
		For >100 To 250, Add	0.92	
		For >250 To 500, Add	0.40	
		For >2,500 To 5,000, Deduct	-0.15	
		For >5,000 To 10,000, Deduct	-0.30	
		For >10,000 To 20,000, Deduct	-0.46	
		For >20,000, Deduct	-0.61	
09 91 23 00-0047	SF	1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	1.86	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.23	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.62	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.85	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.21	
		For >100 To 250, Add	0.57	
		For >250 To 500, Add	0.25	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 20,000, Deduct	-0.28	
		For >20,000, Deduct	-0.37	
09 91 23 00-0048	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.19	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.39	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.54	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.77	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.18	
		For >20,000, Deduct	-0.24	
09 91 23 00-0049	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.41	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.17	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.28	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.45	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.62	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.89	
		For >100 To 250, Add	0.42	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0050	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.52	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.55	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.50	
09 91 23 00-0051	SF		1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.57	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.69	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.31	
09 91 23 00-0052	SF		1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls	0.96	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 23 00-0053	SF		1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls	1.10	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0054	SF		2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.79	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.45	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.62	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0055	SF	1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls	1.28
		For Oil Based Paint, Add	0.09
		For Work >15' To 20' Above Floor, Add	0.13
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.22
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.34
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.47
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.71
		For >100 To 250, Add	0.34
		For >250 To 500, Add	0.15
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.13
		For >10,000 To 20,000, Deduct	-0.19
		For >20,000, Deduct	-0.26

09 91 23 00-0056 Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0030)

09 91 23 00-0057	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls	1.46
		For Work >15' To 20' Above Floor, Add	0.18
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.30
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.48
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.67
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.95
		For >100 To 250, Add	0.45
		For >250 To 500, Add	0.19
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.22
		For >20,000, Deduct	-0.29

09 91 23 00-0058	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls	1.23
		For Work >15' To 20' Above Floor, Add	0.15
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.25
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.39
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.54
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.77
		For >100 To 250, Add	0.37
		For >250 To 500, Add	0.16
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.18
		For >20,000, Deduct	-0.25

09 91 23 00-0059	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	1.01
		For Work >15' To 20' Above Floor, Add	0.10
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.17
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.27
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.37
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.56
		For >100 To 250, Add	0.27
		For >250 To 500, Add	0.12
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000 To 20,000, Deduct	-0.15
		For >20,000, Deduct	-0.20

09 91 23 00-0060 Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)**09 91 23 00-0061 Paint Interior Plaster/Drywall Walls (09 91 23 00-0060)**

09 91 23 00-0062	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls	0.20
		For Oil Based Paint, Add	0.01
		For Work >15' To 20' Above Floor, Add	0.03
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.05
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.07
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.10
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.14
		For >100 To 250, Add	0.07
		For >250 To 500, Add	0.03
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.02
		For >10,000 To 20,000, Deduct	-0.03
		For >20,000, Deduct	-0.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0063	SF	1	Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls	1.15	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.16	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.39	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.54	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0064	SF	1	Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.22	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.17	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0065	SF	2	Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	2.23	
			For Oil Based Paint, Add	0.13	
			For Orange Peel Finish, Add	0.32	
			For Epoxy Paint, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.07	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.45	
09 91 23 00-0066	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.91	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.13	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.30	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.41	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 23 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.04	
		For Oil Based Paint, Add	0.06	
		For Orange Peel Finish, Add	0.15	
		For Epoxy Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.22	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.35	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.48	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 23 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.84	
		For Oil Based Paint, Add	0.11	
		For Orange Peel Finish, Add	0.26	
		For Epoxy Paint, Add	0.19	
		For Work >15' To 20' Above Floor, Add	0.23	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.38	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.61	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.84	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.19	
		For >100 To 250, Add	0.57	
		For >250 To 500, Add	0.25	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.28	
		For >20,000, Deduct	-0.37	
09 91 23 00-0069	SF	1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.71	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.20	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.28	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.41	
		For >100 To 250, Add	0.20	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	
09 91 23 00-0070	SF	1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.77	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.33	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.48	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.12	
		For >20,000, Deduct	-0.15	
09 91 23 00-0071	SF	2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls	1.26	
		For Oil Based Paint, Add	0.08	
		For Epoxy Paint, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.50	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.74	
		For >100 To 250, Add	0.35	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 91 23 00-0072 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint (09 91 23 00-0060)

09 91 23 00-0073	SF	2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.11
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.27
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.43
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.59
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.96
		For >100 To 250, Add	0.48
		For >250 To 500, Add	0.21
		For >2,500 To 5,000, Deduct	-0.11
		For >5,000 To 10,000, Deduct	-0.21
		For >10,000 To 20,000, Deduct	-0.32
		For >20,000, Deduct	-0.42
09 91 23 00-0074	SF	3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.29
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.27
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.43
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.59
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.99
		For >100 To 250, Add	0.50
		For >250 To 500, Add	0.22
		For >2,500 To 5,000, Deduct	-0.11
		For >5,000 To 10,000, Deduct	-0.23
		For >10,000 To 20,000, Deduct	-0.34
		For >20,000, Deduct	-0.46
09 91 23 00-0075	SF	4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.46
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.27
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.43
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.59
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.01
		For >100 To 250, Add	0.51
		For >250 To 500, Add	0.23
		For >2,500 To 5,000, Deduct	-0.12
		For >5,000 To 10,000, Deduct	-0.25
		For >10,000 To 20,000, Deduct	-0.37
		For >20,000, Deduct	-0.49

09 91 23 00-0076 Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0060)

09 91 23 00-0077	SF	1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.88
		For Work >15' To 20' Above Floor, Add	0.09
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.15
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.24
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.33
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.49
		For >100 To 250, Add	0.24
		For >250 To 500, Add	0.10
		For >2,500 To 5,000, Deduct	-0.04
		For >5,000 To 10,000, Deduct	-0.09
		For >10,000 To 20,000, Deduct	-0.13
		For >20,000, Deduct	-0.18
09 91 23 00-0078	SF	1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.04
		For Work >15' To 20' Above Floor, Add	0.11
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.19
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.30
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.42
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.61
		For >100 To 250, Add	0.29
		For >250 To 500, Add	0.13
		For >2,500 To 5,000, Deduct	-0.05
		For >5,000 To 10,000, Deduct	-0.10
		For >10,000 To 20,000, Deduct	-0.16
		For >20,000, Deduct	-0.21

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0079	SF	2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.62
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.27
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.42
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.58
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.88
		For >100 To 250, Add	0.43
		For >250 To 500, Add	0.19
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.16
		For >10,000 To 20,000, Deduct	-0.24
		For >20,000, Deduct	-0.32
09 91 23 00-0080	SF	Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls	1.84
		For Work >15' To 20' Above Floor, Add	0.26
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.43
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.69
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.95
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.31
		For >100 To 250, Add	0.62
		For >250 To 500, Add	0.27
		For >2,500 To 5,000, Deduct	-0.09
		For >5,000 To 10,000, Deduct	-0.18
		For >10,000 To 20,000, Deduct	-0.28
		For >20,000, Deduct	-0.37
09 91 23 00-0081		Paint Interior Metal Walls (09 91 23 00-0001)	
09 91 23 00-0082		Paint Interior Galvanized Walls (09 91 23 00-0081)	
		Note: Linseed oil or acrylic latex paint.	
09 91 23 00-0083	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces	1.45
		For Electrostatic Painting, Add	0.20
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.27
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.43
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.59
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.87
		For >100 To 250, Add	0.42
		For >250 To 500, Add	0.18
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.22
		For >20,000, Deduct	-0.29
09 91 23 00-0084	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.60
		For Electrostatic Painting, Add	0.22
		For Work >15' To 20' Above Floor, Add	0.18
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.31
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.49
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.68
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.98
		For >100 To 250, Add	0.47
		For >250 To 500, Add	0.20
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.16
		For >10,000 To 20,000, Deduct	-0.24
		For >20,000, Deduct	-0.32
09 91 23 00-0085	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	2.91
		For Electrostatic Painting, Add	0.40
		For Work >15' To 20' Above Floor, Add	0.32
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.54
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.86
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.19
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.73
		For >100 To 250, Add	0.83
		For >250 To 500, Add	0.36
		For >2,500 To 5,000, Deduct	-0.15
		For >5,000 To 10,000, Deduct	-0.29
		For >10,000 To 20,000, Deduct	-0.44
		For >20,000, Deduct	-0.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0086	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls.....	1.09	
			For Electrostatic Painting, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	
09 91 23 00-0087	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall.....	1.25	
			For Electrostatic Painting, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0088	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	2.34	
			For Electrostatic Painting, Add	0.33	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.68	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.94	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.37	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.47	
09 91 23 00-0089	SF		1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.85	
			For Electrostatic Painting, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.06	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.11	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.17	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.23	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0090	SF		1 Coat Paint, Sprayed, Paint Interior Galvanized Walls	1.11	
			For Electrostatic Painting, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0091	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	1.87
		For Electrostatic Painting, Add	0.32
		For Work >15' To 20' Above Floor, Add	0.15
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.25
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.40
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.56
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.89
		For >100 To 250, Add	0.44
		For >250 To 500, Add	0.19
		For >2,500 To 5,000, Deduct	-0.09
		For >5,000 To 10,000, Deduct	-0.19
		For >10,000 To 20,000, Deduct	-0.28
		For >20,000, Deduct	-0.37

09 91 23 00-0092 Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0081)

Note: Alkyd enamel paint.

09 91 23 00-0093	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.45
		For Electrostatic Painting, Add	0.20
		For Work >15' To 20' Above Floor, Add	0.16
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.27
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.43
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.59
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.87
		For >100 To 250, Add	0.42
		For >250 To 500, Add	0.18
		For >2,500 To 5,000, Deduct	-0.07
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.22
		For >20,000, Deduct	-0.29

09 91 23 00-0094	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.60
		For Electrostatic Painting, Add	0.22
		For Work >15' To 20' Above Floor, Add	0.18
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.31
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.49
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.68
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.98
		For >100 To 250, Add	0.47
		For >250 To 500, Add	0.20
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.16
		For >10,000 To 20,000, Deduct	-0.24
		For >20,000, Deduct	-0.32

09 91 23 00-0095	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	2.90
		For Electrostatic Painting, Add	0.40
		For Work >15' To 20' Above Floor, Add	0.32
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.54
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.86
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.19
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.73
		For >100 To 250, Add	0.83
		For >250 To 500, Add	0.36
		For >2,500 To 5,000, Deduct	-0.15
		For >5,000 To 10,000, Deduct	-0.29
		For >10,000 To 20,000, Deduct	-0.44
		For >20,000, Deduct	-0.58

09 91 23 00-0096	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.21
		For Electrostatic Painting, Add	0.19
		For Work >15' To 20' Above Floor, Add	0.12
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.20
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.31
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.43
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.65
		For >100 To 250, Add	0.32
		For >250 To 500, Add	0.14
		For >2,500 To 5,000, Deduct	-0.06
		For >5,000 To 10,000, Deduct	-0.12
		For >10,000 To 20,000, Deduct	-0.18
		For >20,000, Deduct	-0.24

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0097	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.36	
			For Electrostatic Painting, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0098	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	2.56	
			For Electrostatic Painting, Add	0.39	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.68	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.94	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.40	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.30	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.51	
09 91 23 00-0099	SF	1	Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	0.94	
			For Electrostatic Painting, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 23 00-0100	SF	1	Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.11	
			For Electrostatic Painting, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0101	SF	2	Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.87	
			For Electrostatic Painting, Add	0.32	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.28	
			For >20,000, Deduct	-0.37	

09 91 23 00-0102 Paint Interior Corrugated Metal Walls (09 91 23 00-0081)

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0103	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls	1.05	
		For Electrostatic Painting, Add	0.18	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.14	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.22	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.31	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.25	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 23 00-0104	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls	1.39	
		For Electrostatic Painting, Add	0.21	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.50	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.75	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	
09 91 23 00-0105	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls	2.33	
		For Electrostatic Painting, Add	0.38	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.34	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.54	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.74	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.15	
		For >100 To 250, Add	0.57	
		For >250 To 500, Add	0.25	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.35	
		For >20,000, Deduct	-0.47	

09 91 23 00-0106 Paint Interior Stucco Walls (09 91 23 00-0001)

09 91 23 00-0107	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces	0.35	
		For Oil Based Paint, Add	0.02	
		For Work >15' To 20' Above Floor, Add	0.05	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.08	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.12	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.17	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.24	
		For >100 To 250, Add	0.11	
		For >250 To 500, Add	0.05	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 20,000, Deduct	-0.05	
		For >20,000, Deduct	-0.07	
09 91 23 00-0108	SF	1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces	1.91	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.26	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.43	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.68	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.94	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.31	
		For >100 To 250, Add	0.62	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.19	
		For >10,000 To 20,000, Deduct	-0.29	
		For >20,000, Deduct	-0.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0109	SF	1	Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	2.10	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.28	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.47	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.74	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.02	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.43	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.42	
09 91 23 00-0110	SF	2	Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces	3.70	
			For Oil Based Paint, Add	0.21	
			For Work >15' To 20' Above Floor, Add	0.48	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.80	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.77	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.48	
			For >100 To 250, Add	1.17	
			For >250 To 500, Add	0.51	
			For >2,500 To 5,000, Deduct	-0.19	
			For >5,000 To 10,000, Deduct	-0.37	
			For >10,000 To 20,000, Deduct	-0.56	
			For >20,000, Deduct	-0.74	
09 91 23 00-0111	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.43	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.29	
09 91 23 00-0112	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.63	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.56	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.76	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.33	
09 91 23 00-0113	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	2.98	
			For Oil Based Paint, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.37	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.62	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.00	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.94	
			For >100 To 250, Add	0.92	
			For >250 To 500, Add	0.40	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000 To 20,000, Deduct	-0.45	
			For >20,000, Deduct	-0.60	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0114	SF	1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces	0.94	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.18	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.28	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.39	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.56	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 23 00-0115	SF	1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	1.16	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.47	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.68	
		For >100 To 250, Add	0.33	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.23	
09 91 23 00-0116	SF	2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	2.25	
		For Oil Based Paint, Add	0.14	
		For Work >15' To 20' Above Floor, Add	0.25	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.42	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.68	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.93	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.35	
		For >100 To 250, Add	0.65	
		For >250 To 500, Add	0.28	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.34	
		For >20,000, Deduct	-0.45	

09 91 23 00-0117 Paint Interior Wood Walls (09 91 23 00-0001)**09 91 23 00-0118 Interior Wood Walls (09 91 23 00-0117)**

09 91 23 00-0119	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces	0.24	
		For Oil Based Paint, Add	0.01	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.05	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.08	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.12	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.16	
		For >100 To 250, Add	0.08	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.04	
		For >20,000, Deduct	-0.05	
09 91 23 00-0120	SF	1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	1.42	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.19	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.50	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.69	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.96	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	

			Finishes	09	2
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 23 00-0121	SF	2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces	2.61		
		For Oil Based Paint, Add	0.15		
		For Work >15' To 20' Above Floor, Add	0.34		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.57		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.90		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	1.24		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.75		
		For >100 To 250, Add	0.83		
		For >250 To 500, Add	0.36		
		For >2,500 To 5,000, Deduct	-0.13		
		For >5,000 To 10,000, Deduct	-0.26		
		For >10,000 To 20,000, Deduct	-0.39		
		For >20,000, Deduct	-0.52		
09 91 23 00-0122	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	1.00		
		For Oil Based Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.12		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.21		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.33		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.46		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.65		
		For >100 To 250, Add	0.31		
		For >250 To 500, Add	0.13		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.15		
		For >20,000, Deduct	-0.20		
09 91 23 00-0123	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls	1.14		
		For Oil Based Paint, Add	0.07		
		For Work >15' To 20' Above Floor, Add	0.15		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.24		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.39		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.53		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.75		
		For >100 To 250, Add	0.36		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.11		
		For >10,000 To 20,000, Deduct	-0.17		
		For >20,000, Deduct	-0.23		
09 91 23 00-0124	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls	2.02		
		For Oil Based Paint, Add	0.12		
		For Work >15' To 20' Above Floor, Add	0.25		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.42		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.67		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.92		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.31		
		For >100 To 250, Add	0.62		
		For >250 To 500, Add	0.27		
		For >2,500 To 5,000, Deduct	-0.10		
		For >5,000 To 10,000, Deduct	-0.20		
		For >10,000 To 20,000, Deduct	-0.30		
		For >20,000, Deduct	-0.40		
09 91 23 00-0125	SF	1 Coat Primer, Sprayed, Paint Interior Wood Walls	0.66		
		For Oil Based Paint, Add	0.04		
		For Work >15' To 20' Above Floor, Add	0.07		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.11		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.18		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.25		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.37		
		For >100 To 250, Add	0.18		
		For >250 To 500, Add	0.08		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000 To 20,000, Deduct	-0.10		
		For >20,000, Deduct	-0.13		

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0126	SF	1 Coat Paint, Sprayed, Paint Interior Wood Walls	0.85	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.34	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 23 00-0127	SF	2 Coats Paint, Sprayed, Paint Interior Wood Walls	1.56	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.43	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.59	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.88	
		For >100 To 250, Add	0.42	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.31	
09 91 23 00-0128		Paint Interior Ceilings (09 91 23)		
09 91 23 00-0129		Paint Interior Acoustical Ceilings (09 91 23 00-0128)		
		Note: Includes grid.		
09 91 23 00-0130	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.36	
		For Oil Based Paint, Add	0.03	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.06	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.09	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.12	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.19	
		For >100 To 250, Add	0.09	
		For >250 To 500, Add	0.04	
		For >2,500 To 5,000, Deduct	-0.02	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 20,000, Deduct	-0.05	
		For >20,000, Deduct	-0.07	
09 91 23 00-0131	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling	1.25	
		For Oil Based Paint, Add	0.07	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.43	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.59	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.84	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 23 00-0132	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling	1.38	
		For Oil Based Paint, Add	0.08	
		For Work >15' To 20' Above Floor, Add	0.19	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.50	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.68	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.95	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	

			Finishes	09	2
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 23 00-0133	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling.....	2.45		
		For Oil Based Paint, Add	0.14		
		For Work >15' To 20' Above Floor, Add	0.33		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.54		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.87		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	1.19		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.67		
		For >100 To 250, Add	0.79		
		For >250 To 500, Add	0.34		
		For >2,500 To 5,000, Deduct	-0.12		
		For >5,000 To 10,000, Deduct	-0.25		
		For >10,000 To 20,000, Deduct	-0.37		
		For >20,000, Deduct	-0.49		
09 91 23 00-0134	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	1.08		
		For Oil Based Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.36		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.50		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.71		
		For >100 To 250, Add	0.34		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.11		
		For >10,000 To 20,000, Deduct	-0.16		
		For >20,000, Deduct	-0.22		
09 91 23 00-0135	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	1.07		
		For Oil Based Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.37		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.51		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.72		
		For >100 To 250, Add	0.34		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.11		
		For >10,000 To 20,000, Deduct	-0.16		
		For >20,000, Deduct	-0.21		
09 91 23 00-0136	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	1.98		
		For Oil Based Paint, Add	0.11		
		For Work >15' To 20' Above Floor, Add	0.26		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.43		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.68		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.94		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.32		
		For >100 To 250, Add	0.62		
		For >250 To 500, Add	0.27		
		For >2,500 To 5,000, Deduct	-0.10		
		For >5,000 To 10,000, Deduct	-0.20		
		For >10,000 To 20,000, Deduct	-0.30		
		For >20,000, Deduct	-0.40		
09 91 23 00-0137	SF	1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling.....	0.88		
		For Oil Based Paint, Add	0.05		
		For Work >15' To 20' Above Floor, Add	0.10		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.17		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.27		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.37		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.53		
		For >100 To 250, Add	0.26		
		For >250 To 500, Add	0.11		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.13		
		For >20,000, Deduct	-0.18		

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0138	SF	1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.85	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.54	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 23 00-0139	SF	2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	1.37	
		For Oil Based Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.41	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.56	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.82	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.27	

09 91 23 00-0140 Paint Interior Concrete Ceilings (09 91 23 00-0128)

09 91 23 00-0141	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.23	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.05	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.08	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.12	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.16	
		For >100 To 250, Add	0.08	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.05	
09 91 23 00-0142	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	1.25	
		For Oil Based Paint, Add	0.07	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.43	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.59	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.84	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 23 00-0143	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	1.38	
		For Oil Based Paint, Add	0.08	
		For Epoxy Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.19	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.50	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.68	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.95	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.19	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0144	SF		2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling.....	2.44	
			For Oil Based Paint, Add	0.14	
			For Epoxy Paint, Add	0.21	
			For Work >15' To 20' Above Floor, Add	0.32	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.54	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.86	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.19	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.66	
			For >100 To 250, Add	0.78	
			For >250 To 500, Add	0.34	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.49	
09 91 23 00-0145	SF		1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling.....	0.95	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 23 00-0146	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	1.07	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0147	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	1.99	
			For Oil Based Paint, Add	0.11	
			For Epoxy Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.68	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.94	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.32	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 91 23 00-0148	SF		1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	0.82	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.24	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0149	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	0.85	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.09	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.54	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	
09 91 23 00-0150	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	1.36	
		For Oil Based Paint, Add	0.09	
		For Epoxy Paint, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.15	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.25	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.40	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.56	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.81	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.27	
09 91 23 00-0151	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	1.29	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.43	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.59	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.84	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.26	
09 91 23 00-0152	SF	1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	0.99	
		For Work >15' To 20' Above Floor, Add	0.12	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.20	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.31	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.43	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.62	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
09 91 23 00-0153	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling	0.86	
		For Work >15' To 20' Above Floor, Add	0.09	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.15	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.24	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.34	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.50	
		For >100 To 250, Add	0.24	
		For >250 To 500, Add	0.10	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.17	

09 91 23 00-0154 Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0128)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0155	LF	1	Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling.....	0.23	
			For Epoxy Paint, Add	0.02	
			For Oil Based Paint, Add	0.01	
			For Work >15' To 20' Above Floor, Add	0.03	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.05	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.08	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.12	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.16	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 20,000, Deduct	-0.03	
			For >20,000, Deduct	-0.05	
09 91 23 00-0156	SF	1	Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling.....	1.25	
			For Epoxy Paint, Add	0.11	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0157	SF	1	Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	1.38	
			For Epoxy Paint, Add	0.11	
			For Oil Based Paint, Add	0.08	
			For Orange Peel Finish, Add	0.20	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 23 00-0158	SF	2	Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling.....	2.45	
			For Epoxy Paint, Add	0.21	
			For Oil Based Paint, Add	0.14	
			For Orange Peel Finish, Add	0.35	
			For Work >15' To 20' Above Floor, Add	0.33	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.54	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.87	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.19	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.67	
			For >100 To 250, Add	0.79	
			For >250 To 500, Add	0.34	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.49	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 91 23 00-0159	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.08	
		For Epoxy Paint, Add	0.11	
		For Oil Based Paint, Add	0.06	
		For Orange Peel Finish, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.50	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.71	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.22	
09 91 23 00-0160	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.07	
		For Epoxy Paint, Add	0.10	
		For Oil Based Paint, Add	0.06	
		For Orange Peel Finish, Add	0.15	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 23 00-0161	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.98	
		For Epoxy Paint, Add	0.18	
		For Oil Based Paint, Add	0.11	
		For Orange Peel Finish, Add	0.28	
		For Work >15' To 20' Above Floor, Add	0.26	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.43	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.68	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.94	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.32	
		For >100 To 250, Add	0.62	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.40	
09 91 23 00-0162	SF	1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.88	
		For Epoxy Paint, Add	0.11	
		For Oil Based Paint, Add	0.05	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.53	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0163	SF		1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	0.85	
			For Epoxy Paint, Add	0.09	
			For Oil Based Paint, Add	0.05	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0164	SF		2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	1.37	
			For Epoxy Paint, Add	0.17	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.41	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	
09 91 23 00-0165			Paint Interior Metal Ceilings (09 91 23 00-0128)		
09 91 23 00-0166			Galvanized Surfaces, Galvanized Primer (09 91 23 00-0165)		
			Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0167	SF		1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling.....	1.60	
			For Electrostatic Painting, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 23 00-0168	SF		1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling.....	1.77	
			For Electrostatic Painting, Add	0.23	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.56	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.77	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.35	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0169	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling.....	3.22	
		For Electrostatic Painting, Add	0.43	
		For Work >15' To 20' Above Floor, Add	0.37	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.62	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.99	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.36	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.97	
		For >100 To 250, Add	0.94	
		For >250 To 500, Add	0.41	
		For >2,500 To 5,000, Deduct	-0.16	
		For >5,000 To 10,000, Deduct	-0.32	
		For >10,000 To 20,000, Deduct	-0.48	
		For >20,000, Deduct	-0.64	
09 91 23 00-0170	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.24	
		For Electrostatic Painting, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.74	
		For >100 To 250, Add	0.36	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.12	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	
09 91 23 00-0171	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.39	
		For Electrostatic Painting, Add	0.19	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.43	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.59	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.86	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000, Deduct	-0.28	
09 91 23 00-0172	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	2.56	
		For Electrostatic Painting, Add	0.35	
		For Work >15' To 20' Above Floor, Add	0.29	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.49	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.78	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.07	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.55	
		For >100 To 250, Add	0.74	
		For >250 To 500, Add	0.32	
		For >2,500 To 5,000, Deduct	-0.13	
		For >5,000 To 10,000, Deduct	-0.26	
		For >10,000 To 20,000, Deduct	-0.38	
		For >20,000, Deduct	-0.51	
09 91 23 00-0173	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling.....	1.11	
		For Electrostatic Painting, Add	0.18	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0174	SF	1	Coat Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.27	
			For Electrostatic Painting, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0175	SF	2	Coats Paint, Sprayed, Paint Interior Galvanized Ceiling.....	2.03	
			For Electrostatic Painting, Add	0.33	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.47	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.64	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.01	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.41	
09 91 23 00-0176			Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 23 00-0165)		
			Note: Alkyd enamel paint.		
09 91 23 00-0177	SF	1	Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.60	
			For Electrostatic Painting, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 23 00-0178	SF	1	Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.77	
			For Electrostatic Painting, Add	0.23	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.35	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.56	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.77	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.11	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.35	
09 91 23 00-0179	SF	2	Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	3.22	
			For Electrostatic Painting, Add	0.43	
			For Work >15' To 20' Above Floor, Add	0.37	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.62	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.99	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.36	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.97	
			For >100 To 250, Add	0.94	
			For >250 To 500, Add	0.41	
			For >2,500 To 5,000, Deduct	-0.16	
			For >5,000 To 10,000, Deduct	-0.32	
			For >10,000 To 20,000, Deduct	-0.48	
			For >20,000, Deduct	-0.64	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

09 91 23 00-0180	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.36	
		For Electrostatic Painting, Add	0.20	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.37	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.51	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.76	
		For >100 To 250, Add	0.37	
		For >250 To 500, Add	0.16	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.14	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.27	
09 91 23 00-0181	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.51	
		For Electrostatic Painting, Add	0.22	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.43	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.59	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.87	
		For >100 To 250, Add	0.42	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.23	
		For >20,000, Deduct	-0.30	
09 91 23 00-0182	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.86	
		For Electrostatic Painting, Add	0.42	
		For Work >15' To 20' Above Floor, Add	0.30	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.50	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.80	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.10	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.63	
		For >100 To 250, Add	0.79	
		For >250 To 500, Add	0.34	
		For >2,500 To 5,000, Deduct	-0.14	
		For >5,000 To 10,000, Deduct	-0.29	
		For >10,000 To 20,000, Deduct	-0.43	
		For >20,000, Deduct	-0.57	
09 91 23 00-0183	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.11	
		For Electrostatic Painting, Add	0.18	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.57	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 91 23 00-0184	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.27	
		For Electrostatic Painting, Add	0.19	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.46	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.69	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0185	SF		2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	2.03	
			For Electrostatic Painting, Add	0.33	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.47	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.64	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.01	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.41	
09 91 23 00-0186			Paint Interior Ceiling Tile Grid (09 91 23 00-0165)		
			Note: Grid only.		
09 91 23 00-0187	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.34	
			For Electrostatic Painting, Add	0.04	
			For Work >15' To 20' Above Floor, Add	0.04	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.07	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.12	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.16	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 23 00-0188	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.69	
			For Electrostatic Painting, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 23 00-0189			Paint Interior Corrugated Metal Ceilings (09 91 23 00-0165)		
09 91 23 00-0190	SF		1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.47	
			For Electrostatic Painting, Add	0.23	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0191	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	1.68
		For Electrostatic Painting, Add	0.25
		For Work >15' To 20' Above Floor, Add	0.17
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.28
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.44
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.61
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.92
		For >100 To 250, Add	0.45
		For >250 To 500, Add	0.20
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.17
		For >10,000 To 20,000, Deduct	-0.25
		For >20,000, Deduct	-0.34
09 91 23 00-0192	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	2.72
		For Electrostatic Painting, Add	0.44
		For Work >15' To 20' Above Floor, Add	0.24
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.40
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.63
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.87
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.36
		For >100 To 250, Add	0.67
		For >250 To 500, Add	0.29
		For >2,500 To 5,000, Deduct	-0.14
		For >5,000 To 10,000, Deduct	-0.27
		For >10,000 To 20,000, Deduct	-0.41
		For >20,000, Deduct	-0.54

09 91 23 00-0193 Paint Interior Wood Ceilings (09 91 23 00-0128)**09 91 23 00-0194 Paint Interior Smooth Wood Ceilings (09 91 23 00-0193)**

09 91 23 00-0195	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.26
		For Oil Based Paint, Add	0.01
		For Work >15' To 20' Above Floor, Add	0.03
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.06
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.09
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.13
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	0.18
		For >100 To 250, Add	0.08
		For >250 To 500, Add	0.04
		For >2,500 To 5,000, Deduct	-0.01
		For >5,000 To 10,000, Deduct	-0.03
		For >10,000 To 20,000, Deduct	-0.04
		For >20,000, Deduct	-0.05
09 91 23 00-0196	SF	1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	1.53
		For Oil Based Paint, Add	0.09
		For Work >15' To 20' Above Floor, Add	0.19
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.32
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.52
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.71
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.00
		For >100 To 250, Add	0.48
		For >250 To 500, Add	0.21
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.15
		For >10,000 To 20,000, Deduct	-0.23
		For >20,000, Deduct	-0.31
09 91 23 00-0197	SF	1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	1.61
		For Oil Based Paint, Add	0.09
		For Work >15' To 20' Above Floor, Add	0.21
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.35
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.56
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.77
		Note: Applied only to work area above 40'.	
		For Up To 100, Add	1.08
		For >100 To 250, Add	0.51
		For >250 To 500, Add	0.22
		For >2,500 To 5,000, Deduct	-0.08
		For >5,000 To 10,000, Deduct	-0.16
		For >10,000 To 20,000, Deduct	-0.24
		For >20,000, Deduct	-0.32

			Finishes 09		09
			Painting and Coating 09 90		
			Painting 09 91		
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
09 91 23 00-0198	SF	2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	2.90		
		For Oil Based Paint, Add	0.17		
		For Work >15' To 20' Above Floor, Add	0.37		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.62		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.99		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	1.36		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.92		
		For >100 To 250, Add	0.91		
		For >250 To 500, Add	0.39		
		For >2,500 To 5,000, Deduct	-0.15		
		For >5,000 To 10,000, Deduct	-0.29		
		For >10,000 To 20,000, Deduct	-0.44		
		For >20,000, Deduct	-0.58		
09 91 23 00-0199	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	1.21		
		For Oil Based Paint, Add	0.07		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.23		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.37		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.51		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.74		
		For >100 To 250, Add	0.35		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.18		
		For >20,000, Deduct	-0.24		
09 91 23 00-0200	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling.....	1.32		
		For Oil Based Paint, Add	0.08		
		For Work >15' To 20' Above Floor, Add	0.16		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.27		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.43		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.59		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.85		
		For >100 To 250, Add	0.40		
		For >250 To 500, Add	0.17		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.13		
		For >10,000 To 20,000, Deduct	-0.20		
		For >20,000, Deduct	-0.26		
09 91 23 00-0201	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	2.49		
		For Oil Based Paint, Add	0.15		
		For Work >15' To 20' Above Floor, Add	0.30		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.50		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.80		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	1.10		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.57		
		For >100 To 250, Add	0.75		
		For >250 To 500, Add	0.32		
		For >2,500 To 5,000, Deduct	-0.12		
		For >5,000 To 10,000, Deduct	-0.25		
		For >10,000 To 20,000, Deduct	-0.37		
		For >20,000, Deduct	-0.50		
09 91 23 00-0202	SF	1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling	0.89		
		For Oil Based Paint, Add	0.06		
		For Work >15' To 20' Above Floor, Add	0.10		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.17		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.27		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.37		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.54		
		For >100 To 250, Add	0.26		
		For >250 To 500, Add	0.11		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.13		
		For >20,000, Deduct	-0.18		

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0203	SF	1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.06	
		For Oil Based Paint, Add	0.06	
		For Work >15' To 20' Above Floor, Add	0.13	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.21	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.34	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.47	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.67	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 23 00-0204	SF	2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.59	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.18	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.29	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.47	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.64	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.94	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.16	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000, Deduct	-0.32	

09 91 23 00-0205 Paint Interior Wood Beams (09 91 23 00-0128)

09 91 23 00-0206	SF	1 Coat Primer, Brush Work, Paint Interior Wood Beams	1.69	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.22	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.36	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.58	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.80	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.12	
		For >100 To 250, Add	0.53	
		For >250 To 500, Add	0.23	
		For >2,500 To 5,000, Deduct	-0.08	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 20,000, Deduct	-0.25	
		For >20,000, Deduct	-0.34	
09 91 23 00-0207	SF	1 Coat Paint, Brush Work, Paint Interior Wood Beams	1.75	
		For Oil Based Paint, Add	0.10	
		For Work >15' To 20' Above Floor, Add	0.23	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.39	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.62	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.85	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.19	
		For >100 To 250, Add	0.56	
		For >250 To 500, Add	0.24	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.26	
		For >20,000, Deduct	-0.35	
09 91 23 00-0208	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams	3.18	
		For Oil Based Paint, Add	0.18	
		For Work >15' To 20' Above Floor, Add	0.41	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.69	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	1.10	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	1.52	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	2.13	
		For >100 To 250, Add	1.01	
		For >250 To 500, Add	0.44	
		For >2,500 To 5,000, Deduct	-0.16	
		For >5,000 To 10,000, Deduct	-0.32	
		For >10,000 To 20,000, Deduct	-0.48	
		For >20,000, Deduct	-0.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0209	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams	1.34	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0210	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams	1.32	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 23 00-0211	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams	2.49	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.30	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.50	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.80	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.10	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.57	
			For >100 To 250, Add	0.75	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.50	
09 91 23 00-0212	SF		1 Coat Primer, Sprayed, Paint Interior Wood Beams.....	1.06	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.67	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0213	SF		1 Coat Paint, Sprayed, Paint Interior Wood Beams	1.05	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.46	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	

09 Finishes**09 90 Painting and Coating****09 91 Painting**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0214	SF	2 Coats Paint, Sprayed, Paint Interior Wood Beams	1.74	
		For Oil Based Paint, Add	0.11	
		For Work >15' To 20' Above Floor, Add	0.20	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.33	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.53	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.73	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.05	
		For >100 To 250, Add	0.50	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.09	
		For >5,000 To 10,000, Deduct	-0.17	
		For >10,000 To 20,000, Deduct	-0.26	
		For >20,000, Deduct	-0.35	
09 91 23 00-0215		Paint Interior Floors And Decks (09 91 23)		
09 91 23 00-0216		Paint Interior Concrete Floors And Decks (09 91 23 00-0215)		
09 91 23 00-0217	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks	0.17	
		For Up To 100, Add	0.12	
		For >100 To 250, Add	0.05	
		For >250 To 500, Add	0.02	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.03	
09 91 23 00-0218	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	0.95	
		For Oil Based Paint, Add	0.06	
		For Epoxy Paint, Add	0.10	
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 23 00-0219	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.07	
		For Oil Based Paint, Add	0.06	
		For Epoxy Paint, Add	0.10	
		For Up To 100, Add	0.72	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.21	
09 91 23 00-0220	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.09	
		For Oil Based Paint, Add	0.12	
		For Epoxy Paint, Add	0.19	
		For Up To 100, Add	1.40	
		For >100 To 250, Add	0.66	
		For >250 To 500, Add	0.29	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000, Deduct	-0.42	
09 91 23 00-0221	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.93	
		For Oil Based Paint, Add	0.06	
		For Epoxy Paint, Add	0.10	
		For Up To 100, Add	0.60	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 23 00-0222	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.92	
		For Oil Based Paint, Add	0.05	
		For Epoxy Paint, Add	0.09	
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.29	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.18	
09 91 23 00-0223	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	1.49	
		For Oil Based Paint, Add	0.09	
		For Epoxy Paint, Add	0.16	
		For Up To 100, Add	0.95	
		For >100 To 250, Add	0.45	
		For >250 To 500, Add	0.20	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.15	
		For >10,000 To 20,000, Deduct	-0.22	
		For >20,000, Deduct	-0.30	

			Finishes	09	2
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
09 91 23 00-0224	SF	1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.67		
		For Oil Based Paint, Add	0.04		
		For Epoxy Paint, Add	0.10		
		For Up To 100, Add	0.38		
		For >100 To 250, Add	0.18		
		For >250 To 500, Add	0.08		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000 To 20,000, Deduct	-0.10		
		For >20,000, Deduct	-0.13		
09 91 23 00-0225	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.68		
		For Oil Based Paint, Add	0.04		
		For Epoxy Paint, Add	0.09		
		For Up To 100, Add	0.41		
		For >100 To 250, Add	0.20		
		For >250 To 500, Add	0.09		
		For >2,500 To 5,000, Deduct	-0.03		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000 To 20,000, Deduct	-0.10		
		For >20,000, Deduct	-0.14		
09 91 23 00-0226	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks	1.20		
		For Oil Based Paint, Add	0.08		
		For Epoxy Paint, Add	0.17		
		For Up To 100, Add	0.69		
		For >100 To 250, Add	0.33		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.18		
		For >20,000, Deduct	-0.24		
09 91 23 00-0227	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks	0.99		
		For Up To 100, Add	0.62		
		For >100 To 250, Add	0.29		
		For >250 To 500, Add	0.13		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.15		
		For >20,000, Deduct	-0.20		
09 91 23 00-0228	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.97		
		For Up To 100, Add	0.60		
		For >100 To 250, Add	0.29		
		For >250 To 500, Add	0.12		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.10		
		For >10,000 To 20,000, Deduct	-0.15		
		For >20,000, Deduct	-0.19		
09 91 23 00-0229	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.71		
		For Up To 100, Add	0.38		
		For >100 To 250, Add	0.19		
		For >250 To 500, Add	0.08		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000 To 20,000, Deduct	-0.11		
		For >20,000, Deduct	-0.14		
09 91 23 00-0230	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.57		
		For Up To 100, Add	0.94		
		For >100 To 250, Add	0.49		
		For >250 To 500, Add	0.22		
		For >2,500 To 5,000, Deduct	-0.13		
		For >5,000 To 10,000, Deduct	-0.26		
		For >10,000 To 20,000, Deduct	-0.39		
		For >20,000, Deduct	-0.51		
09 91 23 00-0231	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251)	7.07		
		For Up To 100, Add	1.62		
		For >100 To 250, Add	0.94		
		For >250 To 500, Add	0.45		
		For >2,500 To 5,000, Deduct	-0.35		
		For >5,000 To 10,000, Deduct	-0.71		
		For >10,000 To 20,000, Deduct	-1.06		
		For >20,000, Deduct	-1.41		
09 91 23 00-0232		Paint Interior Wood Floors And Decks (09 91 23 00-0215)			
09 91 23 00-0233	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks	0.21		
		For Up To 100, Add	0.14		
		For >100 To 250, Add	0.07		
		For >250 To 500, Add	0.03		
		For >2,500 To 5,000, Deduct	-0.01		
		For >5,000 To 10,000, Deduct	-0.02		
		For >10,000 To 20,000, Deduct	-0.03		
		For >20,000, Deduct	-0.04		
09 91 23 00-0234	SF	1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks	1.17		
		For Oil Based Paint, Add	0.07		
		For Up To 100, Add	0.73		
		For >100 To 250, Add	0.35		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.18		
		For >20,000, Deduct	-0.23		

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0235	SF	1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks.....	1.29	
		For Oil Based Paint, Add	0.08	
		For Up To 100, Add	0.84	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.26	
09 91 23 00-0236	SF	2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.42	
		For Oil Based Paint, Add	0.14	
		For Up To 100, Add	1.56	
		For >100 To 250, Add	0.74	
		For >250 To 500, Add	0.32	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000 To 20,000, Deduct	-0.36	
		For >20,000, Deduct	-0.48	
09 91 23 00-0237	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	0.93	
		For Oil Based Paint, Add	0.06	
		For Up To 100, Add	0.53	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 91 23 00-0238	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	1.02	
		For Oil Based Paint, Add	0.06	
		For Up To 100, Add	0.62	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.10	
		For >10,000 To 20,000, Deduct	-0.15	
		For >20,000, Deduct	-0.20	
09 91 23 00-0239	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	2.03	
		For Oil Based Paint, Add	0.13	
		For Up To 100, Add	1.23	
		For >100 To 250, Add	0.59	
		For >250 To 500, Add	0.26	
		For >2,500 To 5,000, Deduct	-0.10	
		For >5,000 To 10,000, Deduct	-0.20	
		For >10,000 To 20,000, Deduct	-0.30	
		For >20,000, Deduct	-0.41	
09 91 23 00-0240	SF	1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks.....	0.72	
		For Oil Based Paint, Add	0.05	
		For Up To 100, Add	0.41	
		For >100 To 250, Add	0.20	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.14	
09 91 23 00-0241	SF	1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks.....	0.89	
		For Oil Based Paint, Add	0.06	
		For Up To 100, Add	0.54	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.11	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.13	
		For >20,000, Deduct	-0.18	
09 91 23 00-0242	SF	2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks.....	1.28	
		For Oil Based Paint, Add	0.09	
		For Up To 100, Add	0.71	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.19	
		For >20,000, Deduct	-0.26	
09 91 23 00-0243	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.57	
		For Up To 100, Add	0.94	
		For >100 To 250, Add	0.49	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.13	
		For >5,000 To 10,000, Deduct	-0.26	
		For >10,000 To 20,000, Deduct	-0.39	
		For >20,000, Deduct	-0.51	
09 91 23 00-0244	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks.....	7.07	
		For Up To 100, Add	1.62	
		For >100 To 250, Add	0.94	
		For >250 To 500, Add	0.45	
		For >2,500 To 5,000, Deduct	-0.35	
		For >5,000 To 10,000, Deduct	-0.71	
		For >10,000 To 20,000, Deduct	-1.06	
		For >20,000, Deduct	-1.41	

09 91 23 00-0245 Paint Interior Doors And Windows (09 91 23)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

09 91 23 00-0246 Paint Interior Door Frames (09 91 23 00-0245)					
09 91 23 00-0247	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.46	
			For Oil Based Paint, Add	0.08	
			For Painting One Face Of Frame Only, Deduct	-0.38	
09 91 23 00-0248	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.90	
			For Oil Based Paint, Add	0.10	
			For Painting One Face Of Frame Only, Deduct	-0.49	
09 91 23 00-0249	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	3.22	
			For Oil Based Paint, Add	0.17	
			For Painting One Face Of Frame Only, Deduct	-0.84	
09 91 23 00-0250	LF		1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.51	
			For Oil Based Paint, Add	0.08	
			For Painting One Face Of Frame Only, Deduct	-0.40	
09 91 23 00-0251	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.95	
			For Oil Based Paint, Add	0.11	
			For Painting One Face Of Frame Only, Deduct	-0.51	
09 91 23 00-0252	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	3.30	
			For Oil Based Paint, Add	0.18	
			For Painting One Face Of Frame Only, Deduct	-0.87	

09 91 23 00-0253 Paint Interior Metal Doors (09 91 23 00-0245)					
09 91 23 00-0254	EA		1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door	70.24	
			For Electrostatic Painting, Add	10.83	
			For Half Louvered Door, Add	6.73	
			For Full Louvered Door, Add	11.22	
			For Oil Based Paint, Add	4.78	
			For >5 To 10, Deduct	-3.51	
			For >10 To 25, Deduct	-7.02	
			For >25, Deduct	-10.54	
09 91 23 00-0255	EA		1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door.....	70.24	
			For Electrostatic Painting, Add	10.83	
			For Half Louvered Door, Add	6.73	
			For Full Louvered Door, Add	11.22	
			For Oil Based Paint, Add	4.78	
			For >5 To 10, Deduct	-3.51	
			For >10 To 25, Deduct	-7.02	
			For >25, Deduct	-10.54	
09 91 23 00-0256	EA		2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	126.21	
			For Electrostatic Painting, Add	20.18	
			For Half Louvered Door, Add	11.37	
			For Full Louvered Door, Add	18.96	
			For Oil Based Paint, Add	8.83	
			For >5 To 10, Deduct	-6.31	
			For >10 To 25, Deduct	-12.62	
			For >25, Deduct	-18.93	
09 91 23 00-0257	EA		1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door	126.04	
			For Electrostatic Painting, Add	19.44	
			For Half Louvered Door, Add	12.07	
			For Full Louvered Door, Add	20.12	
			For Oil Based Paint, Add	8.58	
			For >5 To 10, Deduct	-6.30	
			For >10 To 25, Deduct	-12.60	
			For >25, Deduct	-18.91	
09 91 23 00-0258	EA		1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	126.06	
			For Electrostatic Painting, Add	19.44	
			For Half Louvered Door, Add	12.08	
			For Full Louvered Door, Add	20.13	
			For Oil Based Paint, Add	8.58	
			For >5 To 10, Deduct	-6.30	
			For >10 To 25, Deduct	-12.61	
			For >25, Deduct	-18.91	
09 91 23 00-0259	EA		2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	227.31	
			For Electrostatic Painting, Add	36.40	
			For Half Louvered Door, Add	20.43	
			For Full Louvered Door, Add	34.05	
			For Oil Based Paint, Add	15.92	
			For >5 To 10, Deduct	-11.37	
			For >10 To 25, Deduct	-22.73	
			For >25, Deduct	-34.10	
09 91 23 00-0260	EA		1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door	57.11	
			For Electrostatic Painting, Add	9.89	
			For Half Louvered Door, Add	4.38	
			For Full Louvered Door, Add	7.31	
			For Oil Based Paint, Add	4.25	
			For >5 To 10, Deduct	-2.86	
			For >10 To 25, Deduct	-5.71	
			For >25, Deduct	-8.57	
09 91 23 00-0261	EA		1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door	57.11	
			For Electrostatic Painting, Add	9.89	
			For Half Louvered Door, Add	4.38	
			For Full Louvered Door, Add	7.31	
			For Oil Based Paint, Add	4.25	
			For >5 To 10, Deduct	-2.86	
			For >10 To 25, Deduct	-5.71	
			For >25, Deduct	-8.57	

09 Finishes**09 90 Painting and Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 91 23 00-0262	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door.....	104.77	
		For Electrostatic Painting, Add	18.79	
		For Half Louvered Door, Add	7.40	
		For Full Louvered Door, Add	12.34	
		For Oil Based Paint, Add	8.01	
		For >5 To 10, Deduct	-5.24	
		For >10 To 25, Deduct	-10.48	
		For >25, Deduct	-15.72	
09 91 23 00-0263	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door.....	102.52	
		For Electrostatic Painting, Add	17.77	
		For Half Louvered Door, Add	7.86	
		For Full Louvered Door, Add	13.10	
		For Oil Based Paint, Add	7.63	
		For >5 To 10, Deduct	-5.13	
		For >10 To 25, Deduct	-10.25	
		For >25, Deduct	-15.38	
09 91 23 00-0264	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	102.52	
		For Electrostatic Painting, Add	17.77	
		For Half Louvered Door, Add	7.86	
		For Full Louvered Door, Add	13.10	
		For Oil Based Paint, Add	7.63	
		For >5 To 10, Deduct	-5.13	
		For >10 To 25, Deduct	-10.25	
		For >25, Deduct	-15.38	
09 91 23 00-0265	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	188.90	
		For Electrostatic Painting, Add	33.92	
		For Half Louvered Door, Add	13.30	
		For Full Louvered Door, Add	22.17	
		For Oil Based Paint, Add	14.46	
		For >5 To 10, Deduct	-9.45	
		For >10 To 25, Deduct	-18.89	
		For >25, Deduct	-28.34	

09 91 23 00-0266 Paint Interior Wood Doors (09 91 23 00-0245)

09 91 23 00-0267	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door.....	61.36	
		For Oil Based Paint, Add	3.89	
		For Half Louvered Door, Add	6.73	
		For Full Louvered Door, Add	11.22	
		For >5 To 10, Deduct	-3.07	
		For >10 To 25, Deduct	-6.14	
		For >25, Deduct	-9.20	
09 91 23 00-0268	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door.....	61.36	
		For Oil Based Paint, Add	3.89	
		For Half Louvered Door, Add	6.73	
		For Full Louvered Door, Add	11.22	
		For >5 To 10, Deduct	-3.07	
		For >10 To 25, Deduct	-6.14	
		For >25, Deduct	-9.20	
09 91 23 00-0269	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door.....	108.57	
		For Oil Based Paint, Add	7.07	
		For Half Louvered Door, Add	11.38	
		For Full Louvered Door, Add	18.96	
		For >5 To 10, Deduct	-5.43	
		For >10 To 25, Deduct	-10.86	
		For >25, Deduct	-16.29	
09 91 23 00-0270	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	110.10	
		For Oil Based Paint, Add	6.98	
		For Half Louvered Door, Add	12.08	
		For Full Louvered Door, Add	20.13	
		For >5 To 10, Deduct	-5.51	
		For >10 To 25, Deduct	-11.01	
		For >25, Deduct	-16.52	
09 91 23 00-0271	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	110.10	
		For Oil Based Paint, Add	6.98	
		For Half Louvered Door, Add	12.08	
		For Full Louvered Door, Add	20.13	
		For >5 To 10, Deduct	-5.51	
		For >10 To 25, Deduct	-11.01	
		For >25, Deduct	-16.52	
09 91 23 00-0272	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	195.39	
		For Oil Based Paint, Add	12.73	
		For Half Louvered Door, Add	20.43	
		For Full Louvered Door, Add	34.05	
		For >5 To 10, Deduct	-9.77	
		For >10 To 25, Deduct	-19.54	
		For >25, Deduct	-29.31	
09 91 23 00-0273	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door.....	47.34	
		For Oil Based Paint, Add	3.27	
		For Half Louvered Door, Add	4.38	
		For Full Louvered Door, Add	7.31	
		For >5 To 10, Deduct	-2.37	
		For >10 To 25, Deduct	-4.73	
		For >25, Deduct	-7.10	
09 91 23 00-0274	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door.....	47.34	
		For Oil Based Paint, Add	3.27	
		For Half Louvered Door, Add	4.38	
		For Full Louvered Door, Add	7.31	
		For >5 To 10, Deduct	-2.37	
		For >10 To 25, Deduct	-4.73	
		For >25, Deduct	-7.10	

			Finishes	09	9
			Painting and Coating	09 90	
			Painting	09 91	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 23 00-0275	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door	85.38		
		For Oil Based Paint, Add	6.07		
		For Half Louvered Door, Add	7.41		
		For Full Louvered Door, Add	12.35		
		For >5 To 10, Deduct	-4.27		
		For >10 To 25, Deduct	-8.54		
		For >25, Deduct	-12.81		
09 91 23 00-0276	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door	84.96		
		For Oil Based Paint, Add	5.88		
		For Half Louvered Door, Add	7.86		
		For Full Louvered Door, Add	13.10		
		For >5 To 10, Deduct	-4.25		
		For >10 To 25, Deduct	-8.50		
		For >25, Deduct	-12.74		
09 91 23 00-0277	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door	84.96		
		For Oil Based Paint, Add	5.88		
		For Half Louvered Door, Add	7.86		
		For Full Louvered Door, Add	13.10		
		For >5 To 10, Deduct	-4.25		
		For >10 To 25, Deduct	-8.50		
		For >25, Deduct	-12.74		
09 91 23 00-0278	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door	153.78		
		For Oil Based Paint, Add	10.94		
		For Half Louvered Door, Add	13.30		
		For Full Louvered Door, Add	22.17		
		For >5 To 10, Deduct	-7.69		
		For >10 To 25, Deduct	-15.38		
		For >25, Deduct	-23.07		

09 91 23 00-0279 Paint Interior Metal Windows (09 91 23 00-0245)

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0280	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	117.47		
		For Oil Based Paint, Add	6.72		
		For Electrostatic Painting, Add	14.27		
		For >5 To 10, Deduct	-5.87		
		For >10 To 25, Deduct	-11.75		
		For >25, Deduct	-17.62		
09 91 23 00-0281	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	142.12		
		For Oil Based Paint, Add	8.41		
		For Electrostatic Painting, Add	18.12		
		For >5 To 10, Deduct	-7.11		
		For >10 To 25, Deduct	-14.21		
		For >25, Deduct	-21.32		
09 91 23 00-0282	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	191.78		
		For Oil Based Paint, Add	11.44		
		For Electrostatic Painting, Add	24.72		
		For >5 To 10, Deduct	-9.59		
		For >10 To 25, Deduct	-19.18		
		For >25, Deduct	-28.77		
09 91 23 00-0283	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	215.97		
		For Oil Based Paint, Add	12.89		
		For Electrostatic Painting, Add	27.86		
		For >5 To 10, Deduct	-10.80		
		For >10 To 25, Deduct	-21.60		
		For >25, Deduct	-32.40		
09 91 23 00-0284	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	239.47		
		For Oil Based Paint, Add	14.27		
		For Electrostatic Painting, Add	30.84		
		For >5 To 10, Deduct	-11.97		
		For >10 To 25, Deduct	-23.95		
		For >25, Deduct	-35.92		
09 91 23 00-0285	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	7.60		
		For Oil Based Paint, Add	0.45		
		For Electrostatic Painting, Add	0.98		

09 91 23 00-0286 Paint Interior Wood Windows (09 91 23 00-0245)

Note: Two finish coats paint over primer.

09 91 23 00-0287	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	111.58		
		For Oil Based Paint, Add	6.13		
		For >5 To 10, Deduct	-5.58		
		For >10 To 25, Deduct	-11.16		
		For >25, Deduct	-16.74		
09 91 23 00-0288	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	133.01		
		For Oil Based Paint, Add	7.50		
		For >5 To 10, Deduct	-6.65		
		For >10 To 25, Deduct	-13.30		
		For >25, Deduct	-19.95		

09 Finishes**09 90 Painting and Coating****09 91 Painting**
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09 91 23 00-0289	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	184.01	
		For Oil Based Paint, Add	10.40	
		For >5 To 10, Deduct	-9.20	
		For >10 To 25, Deduct	-18.40	
		For >25, Deduct	-27.60	
09 91 23 00-0290	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	207.17	
		For Oil Based Paint, Add	11.72	
		For >5 To 10, Deduct	-10.36	
		For >10 To 25, Deduct	-20.72	
		For >25, Deduct	-31.08	
09 91 23 00-0291	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	223.38	
		For Oil Based Paint, Add	12.66	
		For >5 To 10, Deduct	-11.17	
		For >10 To 25, Deduct	-22.34	
		For >25, Deduct	-33.51	
09 91 23 00-0292	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work.....	7.48	
		For Oil Based Paint, Add	0.42	
09 91 23 00-0293 Paint Interior Security Screens (09 91 23 00-0245)				
09 91 23 00-0294	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	1.82	
		For Oil Based Paint, Add	0.11	
		For Electrostatic Painting, Add	0.24	
09 91 23 00-0295	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen.....	1.86	
		For Oil Based Paint, Add	0.11	
		For Electrostatic Painting, Add	0.23	
09 91 23 00-0296	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen.....	3.07	
		For Oil Based Paint, Add	0.18	
		For Electrostatic Painting, Add	0.38	
09 91 23 00-0297 Paint Interior Window Guards (09 91 23 00-0245)				
09 91 23 00-0298	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	1.82	
		For Oil Based Paint, Add	0.11	
09 91 23 00-0299	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards.....	1.86	
		For Oil Based Paint, Add	0.11	
09 91 23 00-0300	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards.....	3.07	
		For Oil Based Paint, Add	0.18	
09 91 23 00-0301 Paint Interior Window Trim (09 91 23 00-0245)				
09 91 23 00-0302	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim.....	1.71	
		For Oil Based Paint, Add	0.10	
		For Painting One Face Of Frame Only, Deduct	-0.47	
09 91 23 00-0303	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim.....	1.71	
		For Oil Based Paint, Add	0.10	
		For Painting One Face Of Frame Only, Deduct	-0.47	
09 91 23 00-0304	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	3.74	
		For Oil Based Paint, Add	0.22	
		For Painting One Face Of Frame Only, Deduct	-1.03	
09 91 23 00-0305	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim	1.96	
		Note: Brush/roller work.		
		For Painting One Face Of Frame Only, Deduct	-0.57	
09 91 23 00-0306	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim.....	1.96	
		Note: Brush/roller work.		
		For Painting One Face Of Frame Only, Deduct	-0.57	
09 91 23 00-0307	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim.....	4.23	
		Note: Brush/roller work.		
		For Painting One Face Of Frame Only, Deduct	-1.23	
09 91 23 00-0308 Paint Interior Cabinets And Casework (09 91 23)				
09 91 23 00-0309 Paint Interior Wood Cabinets And Casework (09 91 23 00-0308)				
09 91 23 00-0310	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.64	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.16	
		For >20,000, Deduct	-0.25	
09 91 23 00-0311	SF	1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework.....	2.24	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.22	
		For >20,000, Deduct	-0.34	
09 91 23 00-0312	SF	1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework.....	3.56	
		For >5,000 To 10,000, Deduct	-0.18	
		For >10,000 To 20,000, Deduct	-0.36	
		For >20,000, Deduct	-0.53	
09 91 23 00-0313 Paint Exposed Metal Lockers And Cabinets (09 91 23 00-0308)				
09 91 23 00-0314	SF	1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker	1.69	
		For >5,000 To 10,000, Deduct	-0.08	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.25	

			Finishes 09		09
			Painting and Coating 09 90		
			Painting 09 91		
MINOR			TOTAL DIRECT	DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
09 91 23 00-0315	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker.....	1.71		
		For >5,000 To 10,000, Deduct	-0.09		
		For >10,000 To 20,000, Deduct	-0.17		
		For >20,000, Deduct	-0.26		
09 91 23 00-0316	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker.....	3.16		
		For >5,000 To 10,000, Deduct	-0.16		
		For >10,000 To 20,000, Deduct	-0.32		
		For >20,000, Deduct	-0.47		
09 91 23 00-0317		Paint Interior Stairs (09 91 23)			
09 91 23 00-0318		Paint Interior Concrete Stairs (09 91 23 00-0317)			
		Note: Includes the riser and tread.			
09 91 23 00-0319	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	22.69		
09 91 23 00-0320	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	22.69		
09 91 23 00-0321	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	18.02		
		Note: Excludes riser.			
09 91 23 00-0322	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	35.98		
		Note: Excludes riser.			
09 91 23 00-0323	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide).....	45.37		
09 91 23 00-0324		Paint Interior Metal Stairs (09 91 23 00-0317)			
		Note: Includes the riser and tread.			
09 91 23 00-0325	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	12.44		
09 91 23 00-0326	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	11.97		
09 91 23 00-0327	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide).....	23.93		
09 91 23 00-0328		Paint Interior Wood Stairs (09 91 23 00-0317)			
		Note: Includes the riser and tread.			
09 91 23 00-0329	RSR	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	11.65		
09 91 23 00-0330	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	11.65		
09 91 23 00-0331	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....	12.49		
		Note: Excludes riser.			
09 91 23 00-0332	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....	30.45		
		Note: Excludes riser.			
09 91 23 00-0333	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....	23.27		
09 91 23 00-0334		Paint Interior Stair Nosing (09 91 23 00-0317)			
09 91 23 00-0335	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	2.01		
09 91 23 00-0336		Paint Interior Trim (09 91 23)			
09 91 23 00-0337		Paint Interior Metal Trim (09 91 23 00-0336)			
09 91 23 00-0338	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim.....	1.54		
		For Work >15' To 20' Above Floor, Add	0.20		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.33		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.52		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.72		
		Note: Applied only to work area above 40'.			
09 91 23 00-0339	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	1.68		
		For Work >15' To 20' Above Floor, Add	0.22		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.36		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.58		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.79		
		Note: Applied only to work area above 40'.			
09 91 23 00-0340	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim.....	3.03		
		For Work >15' To 20' Above Floor, Add	0.38		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.64		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	1.02		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	1.40		
		Note: Applied only to work area above 40'.			
09 91 23 00-0341	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim.....	1.28		
		For Work >15' To 20' Above Floor, Add	0.16		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.26		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.42		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.57		
		Note: Applied only to work area above 40'.			

09 Finishes**09 90 Painting and Coating****09 91 Painting**
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09 91 23 00-0342	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.40
		For Work >15' To 20' Above Floor, Add	0.17
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.29
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.46
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.64
		Note: Applied only to work area above 40'.	
09 91 23 00-0343	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	2.52
		For Work >15' To 20' Above Floor, Add	0.31
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.51
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.82
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.12
		Note: Applied only to work area above 40'.	

09 91 23 00-0344 Paint Interior Wood Trim (09 91 23 00-0336)

09 91 23 00-0345	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide	1.00
		For Work >15' To 20' Above Floor, Add	0.14
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.23
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.37
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.51
		Note: Applied only to work area above 40'.	
		For Oil Based Paint, Add	0.05
09 91 23 00-0346	LF	1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	1.11
		For Work >15' To 20' Above Floor, Add	0.15
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.26
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.41
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	0.57
		Note: Applied only to work area above 40'.	
		For Oil Based Paint, Add	0.06
09 91 23 00-0347	LF	2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	2.33
		For Work >15' To 20' Above Floor, Add	0.33
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.55
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.88
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.22
		Note: Applied only to work area above 40'.	
		For Oil Based Paint, Add	0.12
09 91 23 00-0348	SF	1 Coat Primer, Brush Work, Paint Interior Wood Trim	3.07
		For Work >15' To 20' Above Floor, Add	0.41
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.69
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	1.10
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.52
		Note: Applied only to work area above 40'.	
		For Oil Based Paint, Add	0.17
09 91 23 00-0349	SF	1 Coat Paint, Brush Work, Paint Interior Wood Trim	3.41
		For Work >15' To 20' Above Floor, Add	0.46
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.77
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	1.22
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.68
		Note: Applied only to work area above 40'.	
		For Oil Based Paint, Add	0.19
09 91 23 00-0350	SF	2 Coats Paint, Brush Work, Paint Interior Wood Trim	6.17
		For Work >15' To 20' Above Floor, Add	0.82
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	1.37
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	2.19
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	3.01
		Note: Applied only to work area above 40'.	
		For Oil Based Paint, Add	0.34
09 91 23 00-0351	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim	2.51
		For Work >15' To 20' Above Floor, Add	0.33
		Note: Applied only to work area above 15' to 20'.	
		For Work >20' To 30' Above Floor, Add	0.55
		Note: Applied only to work area above 20' to 30'.	
		For Work >30' To 40' Above Floor, Add	0.88
		Note: Applied only to work area above 30' to 40'.	
		For Work >40' Above Floor, Add	1.21
		Note: Applied only to work area above 40'.	
		For Oil Based Paint, Add	0.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0352	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	2.80	
			For Work >15' To 20' Above Floor, Add	0.37	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.61	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.98	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.35	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.16	
09 91 23 00-0353	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	5.04	
			For Work >15' To 20' Above Floor, Add	0.65	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	1.09	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.74	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	2.39	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.29	
09 91 23 00-0354	Paint Interior Metal Surfaces (09 91 23)				
09 91 23 00-0355	Paint Interior Miscellaneous Metal Surfaces (09 91 23 00-0354)				
09 91 23 00-0356	SF	1	Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.07	
			For Electrostatic Painting, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0357	SF	1	Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.26	
			For Electrostatic Painting, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0358	SF	2	Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	2.26	
			For Electrostatic Painting, Add	0.29	
			For Work >15' To 20' Above Floor, Add	0.27	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.46	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.73	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.01	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.44	
			For >100 To 250, Add	0.68	
			For >250 To 500, Add	0.30	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.45	

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09 91 23 00-0359	SF	1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.31	
		For Electrostatic Painting, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.42	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.57	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.82	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	
09 91 23 00-0360	SF	1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.31	
		For Electrostatic Painting, Add	0.17	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.42	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.57	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.82	
		For >100 To 250, Add	0.39	
		For >250 To 500, Add	0.17	
		For >2,500 To 5,000, Deduct	-0.07	
		For >5,000 To 10,000, Deduct	-0.13	
		For >10,000 To 20,000, Deduct	-0.20	
		For >20,000, Deduct	-0.26	
09 91 23 00-0361	SF	2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	2.13	
		For Electrostatic Painting, Add	0.29	
		For Work >15' To 20' Above Floor, Add	0.24	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.40	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.64	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.89	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.29	
		For >100 To 250, Add	0.62	
		For >250 To 500, Add	0.27	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.21	
		For >10,000 To 20,000, Deduct	-0.32	
		For >20,000, Deduct	-0.43	
09 91 23 00-0362	LF	1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal.....	0.21	
		For Electrostatic Painting, Add	0.03	
		For Work >15' To 20' Above Floor, Add	0.03	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.04	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	0.07	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.09	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.13	
		For >100 To 250, Add	0.06	
		For >250 To 500, Add	0.03	
		For >2,500 To 5,000, Deduct	-0.01	
		For >5,000 To 10,000, Deduct	-0.02	
		For >10,000 To 20,000, Deduct	-0.03	
		For >20,000, Deduct	-0.04	

09 91 23 00-0363 Paint Additives (09 91 23)

09 91 23 00-0364	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02	
09 91 23 00-0365	SF	Class "B" Fire Rating, Fire Resistant Paint Additive.....	0.08	
		For Class "A" Fire Rating, Add	0.08	

09 91 23 00-0366 Hand Painting Letters/Numbers (09 91 23)

Note: Painting on walls, floors, poles, signs, etc.

09 91 23 00-0367	EA	Up To 1" High, Hand Paint, Per Letter/Number	3.12	
09 91 23 00-0368	EA	1" To 2" High, Hand Paint, Per Letter/Number.....	3.64	
09 91 23 00-0369	EA	2" To 3" High, Hand Paint, Per Letter/Number.....	5.52	
09 91 23 00-0370	EA	3" To 4" High, Hand Paint, Per Letter/Number.....	6.75	
09 91 23 00-0371	EA	4" To 6" High, Hand Paint, Per Letter/Number.....	9.32	
09 91 23 00-0372	EA	6" To 12" High, Hand Paint, Per Letter/Number.....	11.81	
09 91 23 00-0373	EA	Over 12" High, Hand Paint, Per Letter/Number	13.85	

09 91 23 00-0374 Glove/Mitt Application (09 91 23)**09 91 23 00-0375 Conduit/Pipe (09 91 23 00-0374)**

		Finishes	09	2
		Painting and Coating	09 90	
		Painting	09 91	
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		UNIT COST	UNIT COST	

09 91 23 00-0376	CSF Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt.....	59.02		
	For Work >15' To 20' Above Floor, Add	8.36		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	13.94		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	22.30		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	30.66		
	Note: Applied only to work area above 40'.			
09 91 23 00-0377	CSF Metal Primer Conduit Or Pipe With Glove/Mitt.....	93.37		
	For Work >15' To 20' Above Floor, Add	10.03		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	16.72		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	26.75		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	36.78		
	Note: Applied only to work area above 40'.			
09 91 23 00-0378	CSF Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt.....	72.91		
	For Work >15' To 20' Above Floor, Add	7.36		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	12.26		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	19.62		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	26.98		
	Note: Applied only to work area above 40'.			
09 91 23 00-0379	CSF Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	59.13		
	For Work >15' To 20' Above Floor, Add	5.52		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	9.20		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	14.72		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	20.23		
	Note: Applied only to work area above 40'.			
09 91 23 00-0380	CSF Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt	109.62		
	For Work >15' To 20' Above Floor, Add	8.36		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	13.94		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	22.30		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	30.66		
	Note: Applied only to work area above 40'.			
09 91 23 00-0381	CSF Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	100.70		
	For Work >15' To 20' Above Floor, Add	7.36		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	12.26		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	19.62		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	26.98		
	Note: Applied only to work area above 40'.			
09 91 23 00-0382 Ductwork (09 91 23 00-0374)				
09 91 23 00-0383	CSF Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	59.02		
	For Work >15' To 20' Above Floor, Add	8.36		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	13.94		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	22.30		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	30.66		
	Note: Applied only to work area above 40'.			
09 91 23 00-0384	CSF Metal Primer Ductwork With Glove/Mitt	88.66		
	For Work >15' To 20' Above Floor, Add	8.36		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	13.94		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	22.30		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	30.66		
	Note: Applied only to work area above 40'.			
09 91 23 00-0385	CSF Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt.....	66.25		
	For Work >15' To 20' Above Floor, Add	6.69		
	Note: Applied only to work area above 15' to 20'.			
	For Work >20' To 30' Above Floor, Add	11.15		
	Note: Applied only to work area above 20' to 30'.			
	For Work >30' To 40' Above Floor, Add	17.84		
	Note: Applied only to work area above 30' to 40'.			
	For Work >40' Above Floor, Add	24.52		
	Note: Applied only to work area above 40'.			

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09 91 23 00-0386	CSF Epoxy Paint, First Coat Ductwork With Glove/Mitt	105.75
	<i>For Work >15' To 20' Above Floor, Add</i>	8.36
	<i>Note: Applied only to work area above 15' to 20'.</i>	
	<i>For Work >20' To 30' Above Floor, Add</i>	13.94
	<i>Note: Applied only to work area above 20' to 30'.</i>	
	<i>For Work >30' To 40' Above Floor, Add</i>	22.30
	<i>Note: Applied only to work area above 30' to 40'.</i>	
	<i>For Work >40' Above Floor, Add</i>	30.66
	<i>Note: Applied only to work area above 40'.</i>	
09 91 23 00-0387	CSF Epoxy Paint, Second Coat Ductwork With Glove/Mitt	91.47
	<i>For Work >15' To 20' Above Floor, Add</i>	6.69
	<i>Note: Applied only to work area above 15' to 20'.</i>	
	<i>For Work >20' To 30' Above Floor, Add</i>	11.15
	<i>Note: Applied only to work area above 20' to 30'.</i>	
	<i>For Work >30' To 40' Above Floor, Add</i>	17.84
	<i>Note: Applied only to work area above 30' to 40'.</i>	
	<i>For Work >40' Above Floor, Add</i>	24.52
	<i>Note: Applied only to work area above 40'.</i>	

09 91 23 00-0388 Stencil Painting Letters/Numbers (09 91 23)

Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.

09 91 23 00-0389	EA Up To 1" High, Stencil Painting, Per Letter/Number	2.54
	<i>For >200 To 500, Deduct</i>	-0.20
	<i>For >500 To 1,000, Deduct</i>	-0.32
	<i>For >1,000 To 2,000, Deduct</i>	-0.41
	<i>For >2,000, Deduct</i>	-0.51
09 91 23 00-0390	EA 1" To 2" High, Stencil Painting, Per Letter/Number	2.94
	<i>For >200 To 500, Deduct</i>	-0.24
	<i>For >500 To 1,000, Deduct</i>	-0.37
	<i>For >1,000 To 2,000, Deduct</i>	-0.47
	<i>For >2,000, Deduct</i>	-0.59
09 91 23 00-0391	EA 2" To 3" High, Stencil Painting, Per Letter/Number	4.97
	<i>For >200 To 500, Deduct</i>	-0.40
	<i>For >500 To 1,000, Deduct</i>	-0.62
	<i>For >1,000 To 2,000, Deduct</i>	-0.80
	<i>For >2,000, Deduct</i>	-0.99
09 91 23 00-0392	EA 3" To 4" High, Stencil Painting, Per Letter/Number	6.11
	<i>For >200 To 500, Deduct</i>	-0.49
	<i>For >500 To 1,000, Deduct</i>	-0.76
	<i>For >1,000 To 2,000, Deduct</i>	-0.98
	<i>For >2,000, Deduct</i>	-1.22
09 91 23 00-0393	EA 4" To 6" High, Stencil Painting, Per Letter/Number	8.41
	<i>For >200 To 500, Deduct</i>	-0.67
	<i>For >500 To 1,000, Deduct</i>	-1.05
	<i>For >1,000 To 2,000, Deduct</i>	-1.35
	<i>For >2,000, Deduct</i>	-1.68
09 91 23 00-0394	EA 6" To 12" High, Stencil Painting, Per Letter/Number	11.17
	<i>For >200 To 500, Deduct</i>	-0.89
	<i>For >500 To 1,000, Deduct</i>	-1.40
	<i>For >1,000 To 2,000, Deduct</i>	-1.79
	<i>For >2,000, Deduct</i>	-2.23
09 91 23 00-0395	EA Over 12" High, Stencil Painting, Per Letter/Number	13.19
	<i>For >200 To 500, Deduct</i>	-1.06
	<i>For >500 To 1,000, Deduct</i>	-1.65
	<i>For >1,000 To 2,000, Deduct</i>	-2.11
	<i>For >2,000, Deduct</i>	-2.64

09 91 23 00-0396 Logo Painting (09 91 23)

09 91 23 00-0397	SF Simple Design, Paint Logo	48.63
09 91 23 00-0398	SF Complex Design, Paint Logo	57.13

09 91 33 Painting Materials (09 91)

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer (09 91 33)

09 91 33 00-0002	GAL Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	62.70
09 91 33 00-0003	GAL Alkyd Wood Primer, Exterior, 400 SF Per Gallon	39.95
09 91 33 00-0004	GAL Prime Coat Oil Wood Primer, 310 SF Per Gallon	50.66
09 91 33 00-0005	GAL Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	143.49
09 91 33 00-0006	EA Cement Base Primer, 25 Lb. Sack	41.78
09 91 33 00-0007	GAL Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	64.41
09 91 33 00-0008	GAL Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	51.70
09 91 33 00-0009	GAL Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	39.95
09 91 33 00-0010	GAL Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	36.30
09 91 33 00-0011	GAL Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	63.97
09 91 33 00-0012	GAL Acrylic Heavy-Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	53.27
09 91 33 00-0013	GAL Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	53.27
09 91 33 00-0014	GAL Latex Wood Primer, Exterior, 300 SF Per Gallon	60.06
09 91 33 00-0015	GAL Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	39.17
09 91 33 00-0016	GAL Red Alkyd Primer, 500 SF Per Gallon	107.32
09 91 33 00-0017	GAL Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	41.78
09 91 33 00-0018	GAL Zinc Chromate Primer, 300 SF Per Gallon	33.42
09 91 33 00-0019	GAL Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	86.43
09 91 33 00-0020	GAL Stain Killer, Alcohol Base	53.89
09 91 33 00-0021	GAL Sealer, Primer Kilz, 400 SF Per Gallon	60.81

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		Painting	09 91	
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09 91 33 00-0022	Paint (09 91 33)		
09 91 33 00-0023	GAL Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	29.24	
09 91 33 00-0024	GAL Acrylic Urethane Sealer.....	145.01	
09 91 33 00-0025	GAL Asphalt-Fiber Roof And Foundation Coating, Solvent Type.....	15.67	
	Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.		
09 91 33 00-0026	GAL Concrete Enamel Epoxy, 350 SF Per Gallon.....	90.61	
09 91 33 00-0027	GAL Concrete Acrylic Sealer, 400 SF Per Gallon.....	47.52	
09 91 33 00-0028	GAL Tar Emulsion, Driveway Coating, 120 SF Per Gallon.....	20.81	
09 91 33 00-0029	GAL Acrylic Latex, Driveway Coating, 250 SF Per Gallon.....	31.56	
09 91 33 00-0030	GAL Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon.....	86.07	
09 91 33 00-0031	GAL Exterior, Oil Base, Gloss, 400 SF Per Gallon.....	84.97	
09 91 33 00-0032	GAL Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon.....	69.36	
09 91 33 00-0033	GAL Exterior, Flat, Oil Base.....	63.58	
09 91 33 00-0034	GAL Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	60.34	
09 91 33 00-0035	GAL Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon.....	71.10	
09 91 33 00-0036	GAL Exterior, Latex Flat Paint, 300 SF Per Gallon.....	63.12	
09 91 33 00-0037	GAL Exterior, Water Base, Latex Gloss Enamel.....	89.85	
09 91 33 00-0038	GAL Cold Galvanizing Paint.....	363.46	
09 91 33 00-0039	GAL High Heat Paint.....	151.93	
09 91 33 00-0040	GAL Heat Resistant Paint.....	101.29	
09 91 33 00-0041	GAL Zinc Chromate Paint.....	91.64	
09 91 33 00-0042	QT Anti-Rust Enamel, 500 SF Per Quart.....	36.17	
09 91 33 00-0043	GAL Rust Inhibitor, Ferrous Metal.....	101.29	
09 91 33 00-0044	GAL Masonry Waterproofing, 100 SF Per Gallon.....	63.12	
09 91 33 00-0045	GAL Alkyd Latex, Black.....	75.16	
09 91 33 00-0046	GAL Alkyd Latex, White.....	68.33	
09 91 33 00-0047	GAL Alkyd Latex, Colors.....	82.40	
09 91 33 00-0048	QT Wrought Iron Paint, Black.....	92.45	
09 91 33 00-0049	GAL Vinyl Paint.....	79.90	
09 91 33 00-0050	GAL Silicone Alkyd.....	97.13	
09 91 33 00-0051	GAL 2 Component Solvent Based Acrylic Epoxy.....	98.70	
09 91 33 00-0052	GAL 2 Component Solvent Based Polyester Epoxy.....	123.77	
09 91 33 00-0053	GAL Chlorinated Rubber.....	90.87	
09 91 33 00-0054	GAL Polyamide Epoxy Sealer.....	94.00	
09 91 33 00-0055	GAL Coal Tar Epoxy.....	67.37	
09 91 33 00-0056	GAL Swimming Pool Enamel, 350 SF Per Gallon.....	84.08	
09 91 33 00-0057	GAL Swimming Pool Epoxy Or Urethane Base.....	109.67	
09 91 33 00-0058	GAL Swimming Pool Rubber Base.....	75.20	
09 91 33 00-0059	GAL Interior, Latex Flat Paint, 300 SF Per Gallon.....	47.78	
09 91 33 00-0060	GAL Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon.....	58.88	
09 91 33 00-0061	GAL Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon.....	97.92	
09 91 33 00-0062	GAL Interior, Ceiling White Latex Flat, 350 SF Per Gallon.....	33.16	
09 91 33 00-0063	GAL Linseed Oil.....	28.98	
09 91 33 00-0064	GAL Latex Floor Paint, 300 SF Per Gallon.....	47.52	
09 91 33 00-0065	GAL Acrylic Floor Paint, 400 SF Per Gallon.....	53.53	
09 91 33 00-0066	GAL Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	48.96	
09 91 33 00-0067	GAL Acoustic Spray-On Texture, Finish.....	39.34	

09 91 33 00-0068	Stain, Varnish (09 91 33)		
09 91 33 00-0069	GAL Thompson Water Sealer, 150 SF Per Gallon.....	27.16	
09 91 33 00-0070	GAL Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	50.66	
09 91 33 00-0071	GAL Redwood Oil Stain, 300 SF Per Gallon.....	45.17	
09 91 33 00-0072	GAL Varnish, Clear.....	47.42	
09 91 33 00-0073	GAL Penetrating Water-Repellent Stain.....	34.44	
09 91 33 00-0074	GAL Redwood Hue Or Clear Stain.....	30.78	
09 91 33 00-0075	GAL Polyurethane.....	54.04	
09 91 33 00-0076	GAL Lacquer, Semi-Gloss.....	47.66	
09 91 33 00-0077	GAL Shellac, Clear.....	62.53	
09 91 33 00-0078	GAL Acetone.....	20.63	
09 91 33 00-0079	GAL Paint Thinner.....	5.09	
09 91 33 00-0080	GAL Shellac Or Lacquer Thinner.....	20.89	
09 91 33 00-0081	GAL Turpentine.....	28.72	
09 91 33 00-0082	GAL Wood Filler Paste.....	49.09	
09 91 33 00-0083	GAL Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon.....	39.17	
09 91 33 00-0084	GAL Water Based Alkyd Urethane (Sherwin Williams B53W01153).....	106.51	

09 91 43 Surface Preparation (09 91)
See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 93 Staining and Transparent Finishing (09 90)

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining and Finishing (09 93)

09 93 13 53 Exterior Finishing (09 93 13)

09 93 13 53-0001	Stain Sealer (09 93 13 53)		
	Note: Measured by surface area of wall or ceiling.		
09 93 13 53-0002	SF Stain Sealer, Brush Work.....	1.21	
	For Ceiling Work, Add.....	0.16	
	For >5,000 To 10,000, Deduct.....	-0.03	
	For >10,000 To 20,000, Deduct.....	-0.07	
	For >20,000, Deduct.....	-0.10	

09 Finishes**09 90 Painting and Coating****09 93 Staining and Transparent Finishing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work	0.97	
		<i>For Ceiling Work, Add</i>	0.13	
		<i>For >5,000 To 10,000, Deduct</i>	-0.03	
		<i>For >10,000 To 20,000, Deduct</i>	-0.05	
		<i>For >20,000, Deduct</i>	-0.08	
09 93 13 53-0004	SF	Stain Sealer, Sprayed	0.37	
		<i>For Ceiling Work, Add</i>	0.04	
		<i>For >5,000 To 10,000, Deduct</i>	-0.01	
		<i>For >10,000 To 20,000, Deduct</i>	-0.02	
		<i>For >20,000, Deduct</i>	-0.04	

09 93 23 Interior Staining and Finishing (09 93)

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 13 Interior Staining (09 93 23)**09 93 23 13-0001 Stain Wood Trim (09 93 23 13)**

09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off	1.49	
		<i>For Up To 100, Add</i>	1.06	
		<i>For >100 To 250, Add</i>	0.50	
		<i>For >250 To 500, Add</i>	0.21	
		<i>For >4,000, Deduct</i>	-0.07	
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off	2.21	
		<i>For Up To 100, Add</i>	1.56	
		<i>For >100 To 250, Add</i>	0.73	
		<i>For >250 To 500, Add</i>	0.32	
		<i>For >4,000, Deduct</i>	-0.11	

09 93 23 13-0004 Stain Wood Floor (09 93 23 13)

09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work	0.70	
		<i>For Up To 100, Add</i>	0.43	
		<i>For >100 To 250, Add</i>	0.21	
		<i>For >250 To 500, Add</i>	0.09	
		<i>For >4,000, Deduct</i>	-0.04	
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.52	
		<i>For Up To 100, Add</i>	0.29	
		<i>For >100 To 250, Add</i>	0.14	
		<i>For >250 To 500, Add</i>	0.06	
		<i>For >4,000, Deduct</i>	-0.03	

09 93 23 13-0007 Stain Wood Door And Window (09 93 23 13)

09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	71.53	
		<i>For Up To 4, Add</i>	52.20	
		<i>For >4 To 10, Add</i>	24.43	
		<i>For >10 To 20, Add</i>	10.49	
		<i>For >160, Deduct</i>	-3.58	
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	50.91	
		<i>For Up To 4, Add</i>	36.06	
		<i>For >4 To 10, Add</i>	16.93	
		<i>For >10 To 20, Add</i>	7.28	
		<i>For >160, Deduct</i>	-2.55	

09 93 23 13-0010 Stain Wood Cabinet (09 93 23 13)

09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.79	
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09 93 23 53 Interior Finishing (09 93 23)**09 93 23 53-0001 Concrete Finishes (09 93 23 53)**

09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	1.06	
		<i>For Up To 100, Add</i>	0.64	
		<i>For >100 To 250, Add</i>	0.31	
		<i>For >250 To 500, Add</i>	0.13	
		<i>For >4,000, Deduct</i>	-0.05	

09 93 23 53-0003 Wood Trim Finishes (09 93 23 53)

09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.80	
		<i>For Up To 100, Add</i>	1.20	
		<i>For >100 To 250, Add</i>	0.57	
		<i>For >250 To 500, Add</i>	0.25	
		<i>For >4,000, Deduct</i>	-0.09	
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	1.19	
		<i>For Up To 100, Add</i>	0.83	
		<i>For >100 To 250, Add</i>	0.39	
		<i>For >250 To 500, Add</i>	0.17	
		<i>For >4,000, Deduct</i>	-0.06	

09 93 23 53-0006 Wood Floor Finishes (09 93 23 53)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 93 23 53-0007	SF		Refinish Wood Floor, 2 Coats Polyurethane.....3.82 Note: Includes sanding existing floor. For Up To 100, Add 2.70 For >100 To 250, Add 1.27 For >250 To 500, Add 0.55 For >4,000, Deduct -0.19		
09 93 23 53-0008	SF		Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work.....0.91 Note: Includes screening between coats. For Up To 100, Add 0.60 For >100 To 250, Add 0.29 For >250 To 500, Add 0.12 For >4,000, Deduct -0.05		
09 93 23 53-0009	SF		Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane.....4.34 Note: Includes sanding existing floor. For Up To 100, Add 3.05 For >100 To 250, Add 1.43 For >250 To 500, Add 0.62 For >4,000, Deduct -0.22		
09 93 23 53-0010 Wood Door And Window Finishes (09 23 53)					
See CSI section 08 14 16 00-0627 for factory finish.					
09 93 23 53-0011	EA		Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face) .....51.66 For Up To 4, Add 37.61 For >4 To 10, Add 17.61 For >10 To 20, Add 7.56 For >160, Deduct -2.58		
09 93 23 53-0012	EA		Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face) .....156.65 For Up To 4, Add 112.24 For >4 To 10, Add 52.64 For >10 To 20, Add 22.62 For >160, Deduct -7.83		
09 93 23 53-0013 Cabinet Finishes (09 93 23 53)					
09 93 23 53-0014	SF		Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane .....1.80		
09 93 23 53-0015 Gym, Stage And Dance Floor Finishes (09 93 23 53)					
09 93 23 53-0016	SF		Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor .....1.11 Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.		
09 93 23 53-0017	SF		Finish New Elementary School Wood Gym, Stage Or Dance Floor .....4.92 Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats. For Stage Or Dance Floors, Deduct -0.10		
09 93 23 53-0018	SF		Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor .....5.03 Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats. For Stage Or Dance Floors, Deduct -0.10		
09 93 23 53-0019	SF		Finish New High School Wood Gym, Stage Or Dance Floor .....5.14 Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats. For Stage Or Dance Floors, Deduct -0.10		
09 93 23 53-0020	SF		Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor.....4.92 Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats. For Stage Or Dance Floors, Deduct -0.10		
09 93 23 53-0021	SF		Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor .....5.03 Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats. For Stage Or Dance Floors, Deduct -0.10		
09 93 23 53-0022	SF		Refinish Existing High School Wood Gym, Stage Or Dance Floor .....5.14 Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats. For Stage Or Dance Floors, Deduct -0.10		

09 94 Decorative Finishing (09 90)

09 94 13 Textured Finishing (09 94)

09 94 13 00-0001	SF		Textured Metallic Paint (Scufmaster Envirometal).....3.47 For Up To 100, Add 1.36 For >100 To 250, Add 0.70 For >250 To 500, Add 0.31		
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09 96 High-Performance Coatings (09 90)

09 96 23 Graffiti-Resistant Coatings (09 96)

09 96 23 00-0001			Anti-Graffiti Coating (09 96 23)		
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09 Finishes**09 90 Painting and Coating****09 96 High-Performance Coatings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat.....	1.81	
		For Up To 100, Add	1.11	
		For >100 To 250, Add	0.53	
		For >250 To 500, Add	0.23	
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat.....	1.92	
		For Up To 100, Add	1.13	
		For >100 To 250, Add	0.54	
		For >250 To 500, Add	0.24	

09 96 53 Elastomeric Coatings (09 96)**09 96 53 00-0001 Elastomeric Painting (09 96 53)**

Note: Per coat.

09 96 53 00-0002	SF	1 Coat, 5.3 To 8 Wet Mills, Brush Work, Elastomeric Primer Applied To Walls And Floors.....	1.10	
		For Work >15' To 20' Above Floor, Add	0.14	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.23	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.36	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.50	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.71	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >2,500 To 5,000, Deduct	-0.06	
		For >5,000 To 10,000, Deduct	-0.11	
		For >10,000 To 20,000, Deduct	-0.17	
		For >20,000, Deduct	-0.22	
09 96 53 00-0003	SF	1 Coat, 5.3 To 8 Wet Mills, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors.....	0.94	
		For Work >15' To 20' Above Floor, Add	0.11	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.19	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.30	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.42	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.60	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >2,500 To 5,000, Deduct	-0.05	
		For >5,000 To 10,000, Deduct	-0.09	
		For >10,000 To 20,000, Deduct	-0.14	
		For >20,000, Deduct	-0.19	
09 96 53 00-0004	SF	1 Coat, 5.3 To 8 Wet Mills, Sprayed, Elastomeric Primer Applied To Walls And Floors.....	0.74	
		For Work >15' To 20' Above Floor, Add	0.08	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.13	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.20	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.28	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.41	
		For >100 To 250, Add	0.20	
		For >250 To 500, Add	0.09	
		For >2,500 To 5,000, Deduct	-0.04	
		For >5,000 To 10,000, Deduct	-0.07	
		For >10,000 To 20,000, Deduct	-0.11	
		For >20,000, Deduct	-0.15	
09 96 53 00-0005	SF	1 Coat, 13 To 16 Wet Mills, Brush Work, Elastomeric Paint Applied To Walls And Floors.....	2.24	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.27	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.42	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.58	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.97	
		For >100 To 250, Add	0.49	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.34	
		For >20,000, Deduct	-0.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 96 53 00-0006	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	2.07		
		For Work >15' To 20' Above Floor, Add	0.13		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.22		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.36		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.49		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.84		
		For >100 To 250, Add	0.43		
		For >250 To 500, Add	0.19		
		For >2,500 To 5,000, Deduct	-0.10		
		For >5,000 To 10,000, Deduct	-0.21		
		For >10,000 To 20,000, Deduct	-0.31		
		For >20,000, Deduct	-0.41		
09 96 53 00-0007	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.18		
		For Work >15' To 20' Above Floor, Add	0.09		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.15		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.24		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.32		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.68		
		For >100 To 250, Add	0.37		
		For >250 To 500, Add	0.17		
		For >2,500 To 5,000, Deduct	-0.11		
		For >5,000 To 10,000, Deduct	-0.22		
		For >10,000 To 20,000, Deduct	-0.33		
		For >20,000, Deduct	-0.44		
09 96 53 00-0008	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead	1.24		
		For Work >15' To 20' Above Floor, Add	0.16		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.26		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.42		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.58		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.82		
		For >100 To 250, Add	0.39		
		For >250 To 500, Add	0.17		
		For >2,500 To 5,000, Deduct	-0.06		
		For >5,000 To 10,000, Deduct	-0.12		
		For >10,000 To 20,000, Deduct	-0.19		
		For >20,000, Deduct	-0.25		
09 96 53 00-0009	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	1.06		
		For Work >15' To 20' Above Floor, Add	0.13		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.22		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.35		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.48		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.69		
		For >100 To 250, Add	0.33		
		For >250 To 500, Add	0.14		
		For >2,500 To 5,000, Deduct	-0.05		
		For >5,000 To 10,000, Deduct	-0.11		
		For >10,000 To 20,000, Deduct	-0.16		
		For >20,000, Deduct	-0.21		
09 96 53 00-0010	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.82		
		For Work >15' To 20' Above Floor, Add	0.09		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.15		
		Note: Applied only to work area above 20'.			
		For Work >30' To 40' Above Floor, Add	0.23		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.32		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.47		
		For >100 To 250, Add	0.23		
		For >250 To 500, Add	0.10		
		For >2,500 To 5,000, Deduct	-0.04		
		For >5,000 To 10,000, Deduct	-0.08		
		For >10,000 To 20,000, Deduct	-0.12		
		For >20,000, Deduct	-0.16		

09 Finishes**09 90 Painting and Coating****09 96 High-Performance Coatings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mills, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.42	
		For Work >15' To 20' Above Floor, Add	0.19	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.31	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.50	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.68	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	1.11	
		For >100 To 250, Add	0.55	
		For >250 To 500, Add	0.25	
		For >2,500 To 5,000, Deduct	-0.12	
		For >5,000 To 10,000, Deduct	-0.24	
		For >10,000 To 20,000, Deduct	-0.36	
		For >20,000, Deduct	-0.48	
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mills, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead	2.22	
		For Work >15' To 20' Above Floor, Add	0.16	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.26	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.42	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.57	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.96	
		For >100 To 250, Add	0.48	
		For >250 To 500, Add	0.22	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.22	
		For >10,000 To 20,000, Deduct	-0.33	
		For >20,000, Deduct	-0.44	
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mills, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead.....	2.27	
		For Work >15' To 20' Above Floor, Add	0.10	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	0.17	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	0.27	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	0.37	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	0.75	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.18	
		For >2,500 To 5,000, Deduct	-0.11	
		For >5,000 To 10,000, Deduct	-0.23	
		For >10,000 To 20,000, Deduct	-0.34	
		For >20,000, Deduct	-0.45	

09 96 56 Epoxy Coatings (09 96)

09 96 56 00-0001		High Build Epoxy (09 96 56)		
09 96 56 00-0002	SF	50 Mil, High Build Epoxy	3.84	
09 96 56 00-0003		Laminated Epoxy With Fiberglass (09 96 56)		
09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	7.55	

09 96 66 Aggregate Wall Coatings (09 96)

09 96 66 00-0001		Troweled On (09 96 66)		
09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	5.35	
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	9.61	
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	14.30	
09 96 66 00-0005		Sprayed On (09 96 66)		
09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On.....	4.36	

09 97 Special Coatings (09 90)**09 97 13 Steel Coatings (09 97)****09 97 13 23 Exterior Steel Coatings (09 97 13)**

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001		Surface Preparation For Structural Steel (09 97 13 23)		
		Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		

Finishes			09
Painting and Coating			09 90
Special Coatings			09 97
MINOR	CSI	UOM	DESCRIPTION
TOTAL DIRECT			DEMOLITION
UNIT COST			UNIT COST

09 97 13 23-0002

SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel

(09 97 13 23-0001)

Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11

09 97 13 23-0003	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	1.19
		For Up To 100, Add	0.84
		For >100 To 250, Add	0.40
		For >250 To 500, Add	0.17
09 97 13 23-0004	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	1.05
		For Up To 100, Add	0.75
		For >100 To 250, Add	0.35
		For >250 To 500, Add	0.15
09 97 13 23-0005	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	1.04
		For Up To 100, Add	0.74
		For >100 To 250, Add	0.35
		For >250 To 500, Add	0.15
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.49
		For Up To 100, Add	1.07
		For >100 To 250, Add	0.50
		For >250 To 500, Add	0.22

09 97 13 23-0007

SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel

(09 97 13 23-0001)

Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.

09 97 13 23-0008	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	3.08
		For Up To 100, Add	2.23
		For >100 To 250, Add	1.04
		For >250 To 500, Add	0.45
09 97 13 23-0009	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.67
		For Up To 100, Add	1.92
		For >100 To 250, Add	0.90
		For >250 To 500, Add	0.39
09 97 13 23-0010	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.49
		For Up To 100, Add	1.78
		For >100 To 250, Add	0.84
		For >250 To 500, Add	0.36
09 97 13 23-0011	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	3.88
		For Up To 100, Add	2.82
		For >100 To 250, Add	1.32
		For >250 To 500, Add	0.57

09 97 13 23-0012	SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.			
09 97 13 23-0013	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	6.00
		For Up To 100, Add	4.35
		For >100 To 250, Add	2.04
		For >250 To 500, Add	0.88
09 97 13 23-0014	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	5.13
		For Up To 100, Add	3.71
		For >100 To 250, Add	1.74
		For >250 To 500, Add	0.75
09 97 13 23-0015	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	4.70
		For Up To 100, Add	3.39
		For >100 To 250, Add	1.59
		For >250 To 500, Add	0.68
09 97 13 23-0016	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	7.28
		For Up To 100, Add	5.31
		For >100 To 250, Add	2.49
		For >250 To 500, Add	1.07

09 97 13 23-0017	SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.			

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 97 13 23-0018	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	4.46
		For Up To 100, Add	3.23
		For >100 To 250, Add	1.51
		For >250 To 500, Add	0.65
09 97 13 23-0019	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.80
		For Up To 100, Add	2.74
		For >100 To 250, Add	1.29
		For >250 To 500, Add	0.55
09 97 13 23-0020	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.58
		For Up To 100, Add	2.58
		For >100 To 250, Add	1.21
		For >250 To 500, Add	0.52
09 97 13 23-0021	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	5.29
		For Up To 100, Add	3.86
		For >100 To 250, Add	1.81
		For >250 To 500, Add	0.78

09 97 13 23-0022 Protective Coatings For Tanks And Structural Steel (09 97 13 23)

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0023 1.5 Mil Prime Coat For Structural Steel (09 97 13 23-0022)

09 97 13 23-0024	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat	1.30
		For Up To 100, Add	0.86
		For >100 To 250, Add	0.41
		For >250 To 500, Add	0.18
09 97 13 23-0025	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat	0.97
		For Up To 100, Add	0.63
		For >100 To 250, Add	0.30
		For >250 To 500, Add	0.13
09 97 13 23-0026	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.87
		For Up To 100, Add	0.55
		For >100 To 250, Add	0.26
		For >250 To 500, Add	0.11
09 97 13 23-0027	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.55
		For Up To 100, Add	1.05
		For >100 To 250, Add	0.50
		For >250 To 500, Add	0.21
09 97 13 23-0028	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.83
		For Up To 100, Add	1.25
		For >100 To 250, Add	0.59
		For >250 To 500, Add	0.25
09 97 13 23-0029	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat	1.36
		For Up To 100, Add	0.92
		For >100 To 250, Add	0.43
		For >250 To 500, Add	0.19
09 97 13 23-0030	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat	1.21
		For Up To 100, Add	0.81
		For >100 To 250, Add	0.38
		For >250 To 500, Add	0.16
09 97 13 23-0031	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	2.20
		For Up To 100, Add	1.54
		For >100 To 250, Add	0.72
		For >250 To 500, Add	0.31

09 97 13 23-0032 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0022)

09 97 13 23-0033	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.84
		For Up To 100, Add	2.50
		For >100 To 250, Add	1.18
		For >250 To 500, Add	0.51
09 97 13 23-0034	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.78
		For Up To 100, Add	1.74
		For >100 To 250, Add	0.83
		For >250 To 500, Add	0.36
09 97 13 23-0035	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.58
		For Up To 100, Add	1.59
		For >100 To 250, Add	0.76
		For >250 To 500, Add	0.33
09 97 13 23-0036	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.67
		For Up To 100, Add	3.11
		For >100 To 250, Add	1.47
		For >250 To 500, Add	0.63
09 97 13 23-0037	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.88
		For Up To 100, Add	1.87
		For >100 To 250, Add	0.89
		For >250 To 500, Add	0.38
09 97 13 23-0038	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.08
		For Up To 100, Add	1.30
		For >100 To 250, Add	0.62
		For >250 To 500, Add	0.27
09 97 13 23-0039	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.93
		For Up To 100, Add	1.19
		For >100 To 250, Add	0.57
		For >250 To 500, Add	0.25
09 97 13 23-0040	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.49
		For Up To 100, Add	2.32
		For >100 To 250, Add	1.10
		For >250 To 500, Add	0.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0041	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	5.83	
			For Up To 100, Add	3.99	
			For >100 To 250, Add	1.88	
			For >250 To 500, Add	0.81	
09 97 13 23-0042	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	4.15	
			For Up To 100, Add	2.76	
			For >100 To 250, Add	1.31	
			For >250 To 500, Add	0.56	
09 97 13 23-0043	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.83	
			For Up To 100, Add	2.52	
			For >100 To 250, Add	1.20	
			For >250 To 500, Add	0.52	
09 97 13 23-0044	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	7.15	
			For Up To 100, Add	4.97	
			For >100 To 250, Add	2.34	
			For >250 To 500, Add	1.01	
09 97 13 23-0045	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	4.37	
			For Up To 100, Add	2.99	
			For >100 To 250, Add	1.41	
			For >250 To 500, Add	0.61	
09 97 13 23-0046	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	3.10	
			For Up To 100, Add	2.07	
			For >100 To 250, Add	0.98	
			For >250 To 500, Add	0.42	
09 97 13 23-0047	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.86	
			For Up To 100, Add	1.89	
			For >100 To 250, Add	0.89	
			For >250 To 500, Add	0.39	
09 97 13 23-0048	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	5.35	
			For Up To 100, Add	3.72	
			For >100 To 250, Add	1.75	
			For >250 To 500, Add	0.75	
09 97 13 23-0049 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13 23-0022)					
09 97 13 23-0050	SF		Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.96	
			For Up To 100, Add	1.94	
			For >100 To 250, Add	0.92	
			For >250 To 500, Add	0.40	
09 97 13 23-0051	SF		Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.42	
			For Up To 100, Add	1.56	
			For >100 To 250, Add	0.74	
			For >250 To 500, Add	0.32	
09 97 13 23-0052	SF		Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.22	
			For Up To 100, Add	1.41	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
09 97 13 23-0053	SF		Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	3.68	
			For Up To 100, Add	2.47	
			For >100 To 250, Add	1.17	
			For >250 To 500, Add	0.50	
09 97 13 23-0054	SF		Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.90	
			For Up To 100, Add	1.25	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
09 97 13 23-0055	SF		Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.55	
			For Up To 100, Add	1.00	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
09 97 13 23-0056	SF		Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.42	
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
09 97 13 23-0057	SF		Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.36	
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.75	
			For >250 To 500, Add	0.32	
09 97 13 23-0058	SF		Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.16	
			For Up To 100, Add	2.84	
			For >100 To 250, Add	1.34	
			For >250 To 500, Add	0.58	
09 97 13 23-0059	SF		Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.38	
			For Up To 100, Add	2.28	
			For >100 To 250, Add	1.08	
			For >250 To 500, Add	0.47	
09 97 13 23-0060	SF		Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.08	
			For Up To 100, Add	2.06	
			For >100 To 250, Add	0.97	
			For >250 To 500, Add	0.42	
09 97 13 23-0061	SF		Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	5.21	
			For Up To 100, Add	3.62	
			For >100 To 250, Add	1.70	
			For >250 To 500, Add	0.73	
09 97 13 23-0062	SF		Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.67	
			For Up To 100, Add	1.82	
			For >100 To 250, Add	0.86	
			For >250 To 500, Add	0.37	

09 Finishes**09 90 Painting and Coating****09 97 Special Coatings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

09 97 13 23-0063	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.16	
		<i>For Up To 100, Add</i>	1.46	
		<i>For >100 To 250, Add</i>	0.69	
		<i>For >250 To 500, Add</i>	0.30	
09 97 13 23-0064	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.98	
		<i>For Up To 100, Add</i>	1.32	
		<i>For >100 To 250, Add</i>	0.63	
		<i>For >250 To 500, Add</i>	0.27	
09 97 13 23-0065	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	3.35	
		<i>For Up To 100, Add</i>	2.33	
		<i>For >100 To 250, Add</i>	1.10	
		<i>For >250 To 500, Add</i>	0.47	

09 97 13 23-0066 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel
(09 97 13 23-0022)

09 97 13 23-0067	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.90	
		<i>For Up To 100, Add</i>	2.90	
		<i>For >100 To 250, Add</i>	1.39	
		<i>For >250 To 500, Add</i>	0.61	
09 97 13 23-0068	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.57	
		<i>For Up To 100, Add</i>	1.98	
		<i>For >100 To 250, Add</i>	0.96	
		<i>For >250 To 500, Add</i>	0.42	
09 97 13 23-0069	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.17	
		<i>For Up To 100, Add</i>	1.68	
		<i>For >100 To 250, Add</i>	0.82	
		<i>For >250 To 500, Add</i>	0.36	
09 97 13 23-0070	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	5.53	
		<i>For Up To 100, Add</i>	3.35	
		<i>For >100 To 250, Add</i>	1.60	
		<i>For >250 To 500, Add</i>	0.70	
09 97 13 23-0071	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.42	
		<i>For Up To 100, Add</i>	2.03	
		<i>For >100 To 250, Add</i>	0.97	
		<i>For >250 To 500, Add</i>	0.42	
09 97 13 23-0072	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.50	
		<i>For Up To 100, Add</i>	1.38	
		<i>For >100 To 250, Add</i>	0.67	
		<i>For >250 To 500, Add</i>	0.29	
09 97 13 23-0073	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.22	
		<i>For Up To 100, Add</i>	1.17	
		<i>For >100 To 250, Add</i>	0.57	
		<i>For >250 To 500, Add</i>	0.25	
09 97 13 23-0074	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.88	
		<i>For Up To 100, Add</i>	2.35	
		<i>For >100 To 250, Add</i>	1.13	
		<i>For >250 To 500, Add</i>	0.49	

09 97 13 23-0075 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel
(09 97 13 23-0022)

09 97 13 23-0076	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	5.26	
		<i>For Up To 100, Add</i>	2.96	
		<i>For >100 To 250, Add</i>	1.43	
		<i>For >250 To 500, Add</i>	0.62	
09 97 13 23-0077	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.90	
		<i>For Up To 100, Add</i>	2.03	
		<i>For >100 To 250, Add</i>	0.99	
		<i>For >250 To 500, Add</i>	0.44	
09 97 13 23-0078	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.50	
		<i>For Up To 100, Add</i>	1.73	
		<i>For >100 To 250, Add</i>	0.85	
		<i>For >250 To 500, Add</i>	0.38	
09 97 13 23-0079	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.90	
		<i>For Up To 100, Add</i>	3.41	
		<i>For >100 To 250, Add</i>	1.64	
		<i>For >250 To 500, Add</i>	0.72	
09 97 13 23-0080	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	4.31	
		<i>For Up To 100, Add</i>	2.42	
		<i>For >100 To 250, Add</i>	1.17	
		<i>For >250 To 500, Add</i>	0.51	
09 97 13 23-0081	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	3.20	
		<i>For Up To 100, Add</i>	1.66	
		<i>For >100 To 250, Add</i>	0.81	
		<i>For >250 To 500, Add</i>	0.36	
09 97 13 23-0082	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.87	
		<i>For Up To 100, Add</i>	1.41	
		<i>For >100 To 250, Add</i>	0.70	
		<i>For >250 To 500, Add</i>	0.31	
09 97 13 23-0083	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	4.85	
		<i>For Up To 100, Add</i>	2.80	
		<i>For >100 To 250, Add</i>	1.35	
		<i>For >250 To 500, Add</i>	0.59	

09 97 13 23-0084 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel
(09 97 13 23-0022)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 13 23-0085	SF	Spray	Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	10.98	
			For Up To 100, Add	6.33	
			For >100 To 250, Add	3.05	
			For >250 To 500, Add	1.33	
09 97 13 23-0086	SF	Spray	Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	8.34	
			For Up To 100, Add	4.55	
			For >100 To 250, Add	2.21	
			For >250 To 500, Add	0.97	
09 97 13 23-0087	SF	Spray	Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	8.04	
			For Up To 100, Add	4.33	
			For >100 To 250, Add	2.10	
			For >250 To 500, Add	0.92	
09 97 13 23-0088	SF	Spray	Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	12.74	
			For Up To 100, Add	7.62	
			For >100 To 250, Add	3.65	
			For >250 To 500, Add	1.59	

09 97 13 23-0089 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel (09 97 13 23-0022)

09 97 13 23-0090	SF	Spray	Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	5.80	
			For Up To 100, Add	3.10	
			For >100 To 250, Add	1.51	
			For >250 To 500, Add	0.66	
09 97 13 23-0091	SF	Spray	Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.58	
			For Up To 100, Add	2.19	
			For >100 To 250, Add	1.08	
			For >250 To 500, Add	0.48	
09 97 13 23-0092	SF	Spray	Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.38	
			For Up To 100, Add	2.04	
			For >100 To 250, Add	1.01	
			For >250 To 500, Add	0.45	
09 97 13 23-0093	SF	Spray	Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.57	
			For Up To 100, Add	3.63	
			For >100 To 250, Add	1.76	
			For >250 To 500, Add	0.77	
09 97 13 23-0094	SF	Spray	Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	4.58	
			For Up To 100, Add	2.45	
			For >100 To 250, Add	1.19	
			For >250 To 500, Add	0.52	
09 97 13 23-0095	SF	Spray	Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.62	
			For Up To 100, Add	1.73	
			For >100 To 250, Add	0.86	
			For >250 To 500, Add	0.38	
09 97 13 23-0096	SF	Spray	Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.46	
			For Up To 100, Add	1.61	
			For >100 To 250, Add	0.80	
			For >250 To 500, Add	0.36	
09 97 13 23-0097	SF	Spray	Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	5.19	
			For Up To 100, Add	2.87	
			For >100 To 250, Add	1.39	
			For >250 To 500, Add	0.61	

09 97 13 23-0098 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel (09 97 13 23-0022)

09 97 13 23-0099	SF	Spray	Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	4.90	
			For Up To 100, Add	2.96	
			For >100 To 250, Add	1.42	
			For >250 To 500, Add	0.62	
09 97 13 23-0100	SF	Spray	Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.98	
			For Up To 100, Add	2.34	
			For >100 To 250, Add	1.12	
			For >250 To 500, Add	0.49	
09 97 13 23-0101	SF	Spray	Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.69	
			For Up To 100, Add	2.12	
			For >100 To 250, Add	1.02	
			For >250 To 500, Add	0.45	
09 97 13 23-0102	SF	Spray	Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	6.03	
			For Up To 100, Add	3.78	
			For >100 To 250, Add	1.80	
			For >250 To 500, Add	0.78	

09 97 13 23-0103 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel (09 97 13 23-0022)

09 97 13 23-0104	SF	Spray	Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	4.70	
			For Up To 100, Add	2.99	
			For >100 To 250, Add	1.42	
			For >250 To 500, Add	0.62	
09 97 13 23-0105	SF	Spray	Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.35	
			For Up To 100, Add	2.00	
			For >100 To 250, Add	0.96	
			For >250 To 500, Add	0.42	

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09 97 13 23-0106	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.85	
		For Up To 100, Add	1.63	
		For >100 To 250, Add	0.79	
		For >250 To 500, Add	0.34	
09 97 13 23-0107	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	5.37	
		For Up To 100, Add	3.45	
		For >100 To 250, Add	1.64	
		For >250 To 500, Add	0.71	

09 97 13 23-0108 One 3 Mil High Zinc Silicate Coat For Structural Steel (09 97 13 23-0022)

09 97 13 23-0109	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	2.54	
		For Up To 100, Add	1.34	
		For >100 To 250, Add	0.65	
		For >250 To 500, Add	0.29	
09 97 13 23-0110	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.85	
		For Up To 100, Add	0.88	
		For >100 To 250, Add	0.44	
		For >250 To 500, Add	0.19	
09 97 13 23-0111	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.75	
		For Up To 100, Add	0.80	
		For >100 To 250, Add	0.40	
		For >250 To 500, Add	0.18	
09 97 13 23-0112	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	2.67	
		For Up To 100, Add	1.42	
		For >100 To 250, Add	0.69	
		For >250 To 500, Add	0.30	

09 97 13 23-0113 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel (09 97 13 23-0022)

Note: Installed over existing primer.

09 97 13 23-0114	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.89	
		For Up To 100, Add	2.26	
		For >100 To 250, Add	1.09	
		For >250 To 500, Add	0.47	
09 97 13 23-0115	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.19	
		For Up To 100, Add	1.80	
		For >100 To 250, Add	0.87	
		For >250 To 500, Add	0.38	
09 97 13 23-0116	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.79	
		For Up To 100, Add	1.50	
		For >100 To 250, Add	0.73	
		For >250 To 500, Add	0.32	
09 97 13 23-0117	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats.....	4.53	
		For Up To 100, Add	2.72	
		For >100 To 250, Add	1.30	
		For >250 To 500, Add	0.57	

09 97 13 24 Steel Water Storage Tank Painting (09 97 13)**09 97 13 24-0001 Surface Preparation For Tanks (09 97 13 24)**

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks (09 97 13 24-0001)

09 97 13 24-0003	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.88	
		For Up To 100, Add	1.41	
		For >100 To 250, Add	0.66	
		For >250 To 500, Add	0.28	
09 97 13 24-0004	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	1.67	
		For Up To 100, Add	1.25	
		For >100 To 250, Add	0.58	
		For >250 To 500, Add	0.25	
09 97 13 24-0005	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	2.36	
		For Up To 100, Add	1.77	
		For >100 To 250, Add	0.83	
		For >250 To 500, Add	0.35	

09 97 13 24-0006 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)

09 97 13 24-0007	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation.....	1.00	
		For Up To 100, Add	0.71	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.14	
09 97 13 24-0008	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.82	
		For Up To 100, Add	0.59	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
09 97 13 24-0009	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.43	
		For Up To 100, Add	1.04	
		For >100 To 250, Add	0.49	
		For >250 To 500, Add	0.21	

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				UNIT COST	UNIT COST

09 97 13 24-0010	SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)				
09 97 13 24-0011	SF		Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.49	
			For Up To 100, Add	1.78	
			For >100 To 250, Add	0.84	
			For >250 To 500, Add	0.36	
09 97 13 24-0012	SF		Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.27	
			For Up To 100, Add	1.62	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
09 97 13 24-0013	SF		Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	3.34	
			For Up To 100, Add	2.42	
			For >100 To 250, Add	1.13	
			For >250 To 500, Add	0.49	

09 97 13 24-0014	SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)				
09 97 13 24-0015	SF		Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	4.49	
			For Up To 100, Add	3.23	
			For >100 To 250, Add	1.51	
			For >250 To 500, Add	0.65	
09 97 13 24-0016	SF		Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	4.28	
			For Up To 100, Add	3.07	
			For >100 To 250, Add	1.44	
			For >250 To 500, Add	0.62	
09 97 13 24-0017	SF		Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	6.30	
			For Up To 100, Add	4.59	
			For >100 To 250, Add	2.15	
			For >250 To 500, Add	0.92	

09 97 13 24-0018	SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)				
09 97 13 24-0019	SF		Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.57	
			For Up To 100, Add	2.58	
			For >100 To 250, Add	1.21	
			For >250 To 500, Add	0.52	
09 97 13 24-0020	SF		Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.57	
			For Up To 100, Add	2.58	
			For >100 To 250, Add	1.21	
			For >250 To 500, Add	0.52	
09 97 13 24-0021	SF		Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	5.28	
			For Up To 100, Add	3.66	
			For >100 To 250, Add	1.81	
			For >250 To 500, Add	0.78	

09 97 13 24-0022	Protective Coatings For Tanks ^(09 97 13 24)
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.	

09 97 13 24-0023	1.5 Mil Prime Coat For Tanks (09 97 13 24-0022)				
09 97 13 24-0024	SF		Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.76	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
09 97 13 24-0025	SF		Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.62	
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
09 97 13 24-0026	SF		Spray Tank Interior 1.5 Mil Prime Coat	1.46	
			For Up To 100, Add	1.00	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.20	
09 97 13 24-0027	SF		Brush Small Vessel/Tank 1.5 Mil Prime Coat	1.04	
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
09 97 13 24-0028	SF		Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.84	
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
09 97 13 24-0029	SF		Brush Tank Interior 1.5 Mil Prime Coat	2.08	
			For Up To 100, Add	1.46	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.30	

09 97 13 24-0030	1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)				
09 97 13 24-0031	SF		Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.26	
			For Up To 100, Add	1.36	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
09 97 13 24-0032	SF		Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.77	
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	

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09 97 13 24-0033	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.17
		For Up To 100, Add	2.79
		For >100 To 250, Add	1.32
		For >250 To 500, Add	0.57
09 97 13 24-0034	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.70
		For Up To 100, Add	1.02
		For >100 To 250, Add	0.49
		For >250 To 500, Add	0.21
09 97 13 24-0035	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.32
		For Up To 100, Add	0.74
		For >100 To 250, Add	0.36
		For >250 To 500, Add	0.16
09 97 13 24-0036	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.12
		For Up To 100, Add	2.09
		For >100 To 250, Add	0.99
		For >250 To 500, Add	0.43
09 97 13 24-0037	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.31
		For Up To 100, Add	2.15
		For >100 To 250, Add	1.02
		For >250 To 500, Add	0.44
09 97 13 24-0038	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.51
		For Up To 100, Add	1.55
		For >100 To 250, Add	0.74
		For >250 To 500, Add	0.32
09 97 13 24-0039	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	6.40
		For Up To 100, Add	4.46
		For >100 To 250, Add	2.10
		For >250 To 500, Add	0.90
09 97 13 24-0040	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.49
		For Up To 100, Add	1.62
		For >100 To 250, Add	0.77
		For >250 To 500, Add	0.33
09 97 13 24-0041	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.88
		For Up To 100, Add	1.16
		For >100 To 250, Add	0.55
		For >250 To 500, Add	0.24
09 97 13 24-0042	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.80
		For Up To 100, Add	3.35
		For >100 To 250, Add	1.58
		For >250 To 500, Add	0.68

09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)

09 97 13 24-0044	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.01
		For Up To 100, Add	1.26
		For >100 To 250, Add	0.60
		For >250 To 500, Add	0.26
09 97 13 24-0045	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.71
		For Up To 100, Add	1.04
		For >100 To 250, Add	0.50
		For >250 To 500, Add	0.22
09 97 13 24-0046	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.31
		For Up To 100, Add	2.99
		For >100 To 250, Add	1.41
		For >250 To 500, Add	0.61
09 97 13 24-0047	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.28
		For Up To 100, Add	0.80
		For >100 To 250, Add	0.38
		For >250 To 500, Add	0.17
09 97 13 24-0048	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.09
		For Up To 100, Add	0.66
		For >100 To 250, Add	0.32
		For >250 To 500, Add	0.14
09 97 13 24-0049	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.76
		For Up To 100, Add	1.91
		For >100 To 250, Add	0.90
		For >250 To 500, Add	0.39
09 97 13 24-0050	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.78
		For Up To 100, Add	1.84
		For >100 To 250, Add	0.87
		For >250 To 500, Add	0.38
09 97 13 24-0051	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.33
		For Up To 100, Add	1.50
		For >100 To 250, Add	0.71
		For >250 To 500, Add	0.31
09 97 13 24-0052	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	6.58
		For Up To 100, Add	4.78
		For >100 To 250, Add	2.24
		For >250 To 500, Add	0.96
09 97 13 24-0053	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.78
		For Up To 100, Add	1.18
		For >100 To 250, Add	0.56
		For >250 To 500, Add	0.24
09 97 13 24-0054	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.50
		For Up To 100, Add	0.97
		For >100 To 250, Add	0.46
		For >250 To 500, Add	0.20

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			Special Coatings	09 97	
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			UNIT COST	UNIT COST	

09 97 13 24-0055	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	4.31		
		For Up To 100, Add	3.08		
		For >100 To 250, Add	1.44		
		For >250 To 500, Add	0.62		
09 97 13 24-0056		2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks (09 97 13 24-0022)			
09 97 13 24-0057	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.93		
		For Up To 100, Add	1.52		
		For >100 To 250, Add	0.74		
		For >250 To 500, Add	0.33		
09 97 13 24-0058	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.53		
		For Up To 100, Add	1.22		
		For >100 To 250, Add	0.60		
		For >250 To 500, Add	0.27		
09 97 13 24-0059	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.05		
		For Up To 100, Add	1.06		
		For >100 To 250, Add	0.52		
		For >250 To 500, Add	0.23		
09 97 13 24-0060	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.77		
		For Up To 100, Add	0.85		
		For >100 To 250, Add	0.42		
		For >250 To 500, Add	0.19		
09 97 13 24-0061		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks (09 97 13 24-0022)			
09 97 13 24-0062	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.25		
		For Up To 100, Add	1.57		
		For >100 To 250, Add	0.78		
		For >250 To 500, Add	0.34		
09 97 13 24-0063	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.85		
		For Up To 100, Add	1.27		
		For >100 To 250, Add	0.64		
		For >250 To 500, Add	0.28		
09 97 13 24-0064	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.66		
		For Up To 100, Add	1.28		
		For >100 To 250, Add	0.63		
		For >250 To 500, Add	0.28		
09 97 13 24-0065	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.34		
		For Up To 100, Add	1.04		
		For >100 To 250, Add	0.52		
		For >250 To 500, Add	0.23		
09 97 13 24-0066		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks (09 97 13 24-0022)			
09 97 13 24-0067	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.77		
		For Up To 100, Add	4.17		
		For >100 To 250, Add	2.03		
		For >250 To 500, Add	0.89		
09 97 13 24-0068	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.17		
		For Up To 100, Add	3.72		
		For >100 To 250, Add	1.82		
		For >250 To 500, Add	0.80		
09 97 13 24-0069	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	11.76		
		For Up To 100, Add	7.16		
		For >100 To 250, Add	3.43		
		For >250 To 500, Add	1.49		
09 97 13 24-0070		1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks (09 97 13 24-0022)			
09 97 13 24-0071	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.09		
		For Up To 100, Add	1.96		
		For >100 To 250, Add	0.97		
		For >250 To 500, Add	0.43		
09 97 13 24-0072	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.64		
		For Up To 100, Add	1.63		
		For >100 To 250, Add	0.81		
		For >250 To 500, Add	0.36		
09 97 13 24-0073	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.04		
		For Up To 100, Add	3.43		
		For >100 To 250, Add	1.65		
		For >250 To 500, Add	0.72		
09 97 13 24-0074	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	3.23		
		For Up To 100, Add	1.55		
		For >100 To 250, Add	0.77		
		For >250 To 500, Add	0.34		
09 97 13 24-0075	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.88		
		For Up To 100, Add	1.28		
		For >100 To 250, Add	0.64		
		For >250 To 500, Add	0.29		
09 97 13 24-0076	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	4.78		
		For Up To 100, Add	2.71		
		For >100 To 250, Add	1.31		
		For >250 To 500, Add	0.57		

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09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks (09 97 13 24-0022)			
09 97 13 24-0078	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	3.66
		For Up To 100, Add	2.12
		For >100 To 250, Add	1.02
		For >250 To 500, Add	0.44
09 97 13 24-0079	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.05
		For Up To 100, Add	1.66
		For >100 To 250, Add	0.81
		For >250 To 500, Add	0.35
09 97 13 24-0080	SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	4.66
		For Up To 100, Add	2.87
		For >100 To 250, Add	1.37
		For >250 To 500, Add	0.59
09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks (09 97 13 24-0022)			
09 97 13 24-0082	SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.52
		For Up To 100, Add	1.40
		For >100 To 250, Add	0.68
		For >250 To 500, Add	0.30
09 97 13 24-0083	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.32
		For Up To 100, Add	1.25
		For >100 To 250, Add	0.61
		For >250 To 500, Add	0.27
09 97 13 24-0084	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.82
		For Up To 100, Add	2.37
		For >100 To 250, Add	1.13
		For >250 To 500, Add	0.49
09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 24-0022)			
09 97 13 24-0086	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	5.55
		For Up To 100, Add	3.24
		For >100 To 250, Add	1.56
		For >250 To 500, Add	0.68
09 97 13 24-0087	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	3.40
		For Up To 100, Add	1.71
		For >100 To 250, Add	0.84
		For >250 To 500, Add	0.37
09 97 13 24-0088 One 3 Mil High Zinc Silicate Coat For Tanks (09 97 13 24-0022)			
09 97 13 24-0089	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.63
		For Up To 100, Add	0.72
		For >100 To 250, Add	0.36
		For >250 To 500, Add	0.16
09 97 13 24-0090	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.59
		For Up To 100, Add	0.69
		For >100 To 250, Add	0.35
		For >250 To 500, Add	0.16
09 97 13 24-0091	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat.....	2.53
		For Up To 100, Add	1.40
		For >100 To 250, Add	0.68
		For >250 To 500, Add	0.30
09 97 13 24-0092 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks (09 97 13 24-0022)			
Note: Installed over existing primer.			
09 97 13 24-0093	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.66
		For Up To 100, Add	1.42
		For >100 To 250, Add	0.69
		For >250 To 500, Add	0.30
09 97 13 24-0094	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.36
		For Up To 100, Add	1.19
		For >100 To 250, Add	0.59
		For >250 To 500, Add	0.26
09 97 13 24-0095	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	3.66
		For Up To 100, Add	2.17
		For >100 To 250, Add	1.04
		For >250 To 500, Add	0.45
09 97 13 24-0096 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks (09 97 13 24-0022)			
09 97 13 24-0097	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....	9.57
		For Up To 100, Add	6.00
		For >100 To 250, Add	2.86
		For >250 To 500, Add	1.24

09 97 26 Cementitious Coatings (09 97)**09 97 26 13 Interior Cementitious Coatings** (09 97 26)**09 97 26 13-0001 Ceramic-Like Glazed Coating** (09 97 26 13)

			Finishes	09	2
			Painting and Coating	09 90	
			Special Coatings	09 97	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 97 26 13-0002			Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003	SF		Ceramic-like Glazed Coating. - Cementitious	3.28	
09 97 26 13-0004			Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)		
09 97 26 13-0005	SF		Ceramic-like Glazed Coating - Resin.....	2.79	
09 97 35			Dry Erase Coatings (09 97)		
09 97 35 00-0001			Dry-Erase Paint (09 97 35)		
09 97 35 00-0002			Dry-Erase Paint (IdeaPaint™ PRO) (09 97 35 00-0001)		
09 97 35 00-0003	SF		Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	13.71	
09 97 35 00-0004			Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) (09 97 35 00-0001)		
09 97 35 00-0005	SF		Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: For application over existing latex-based top coats.	7.49	
09 97 35 00-0006	SF		Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: Includes two coats of primer and white or black surface coat.	14.63	
09 97 63			Special Coatings and Protection Systems (09 97)		
09 97 63 00-0001			Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002	SF		Acrylic Glazed Coating	2.17	

END OF SECTION 09

09	09	Finishes
	09 90	Painting and Coating
	09 97	Special Coatings



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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Specialties			10
Operation and Maintenance of Specialties			10 01
Operation and Maintenance of Safety Specialties			10 01 40
MINOR	CSI	UOM	DESCRIPTION
TOTAL DIRECT			DEMOLITION
UNIT COST			UNIT COST

10 Specialties

10 01 Operation and Maintenance of Specialties ⁽¹⁰⁾

10 01 40 Operation and Maintenance of Safety Specialties ^(10 01)

10 01 40 00-0001	Recharge Existing Portable Fire Extinguishers ^(10 01 40)		
Note: Includes removal, filling, testing, certification and reinstallation.			
10 01 40 00-0002	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0003	EA Recharge 2.5 Lb. Carbon Dioxide Portable Fire Extinguisher	18.49	
10 01 40 00-0004	EA Recharge 5 Lb. Carbon Dioxide Portable Fire Extinguisher	20.54	
10 01 40 00-0005	EA Recharge 10 Lb. Carbon Dioxide Portable Fire Extinguisher	21.36	
10 01 40 00-0006	EA Recharge 15 Lb. Carbon Dioxide Portable Fire Extinguisher	24.18	
10 01 40 00-0007	EA Recharge 20 Lb. Carbon Dioxide Portable Fire Extinguisher	27.94	
10 01 40 00-0008	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0009	EA Recharge 2.5 Lb. Dry Chemical Portable Fire Extinguisher	22.30	
10 01 40 00-0010	EA Recharge 5 Lb. Dry Chemical Portable Fire Extinguisher	27.00	
10 01 40 00-0011	EA Recharge 10 Lb. Dry Chemical Portable Fire Extinguisher	38.15	
10 01 40 00-0012	EA Recharge 20 Lb. Dry Chemical Portable Fire Extinguisher	60.22	
10 01 40 00-0013	Recharge Other Portable Fire Extinguishers ^(10 01 40 00-0001)		
10 01 40 00-0014	EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	22.07	
10 01 40 00-0015	EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	157.30	
10 01 40 00-0016	EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	220.21	
10 01 40 00-0017	EA Recharge 30 Lb. Dry Powder Class D Portable Fire Extinguisher	90.67	

10 01 50 Operation and Maintenance of Storage Specialties ^(10 01)

10 01 50 11 Operation and Maintenance of Storage Specialties ^(10 01 50)

10 01 50 11-0001	Locker Repair And Refinishing ^(10 01 50 11)		
10 01 50 11-0002	EA Removal And Replacement Of Single Tier Locker Door	398.03	
10 01 50 11-0003	EA Removal And Replacement Of Two Tier Locker Door	313.33	
10 01 50 11-0004	EA Removal And Replacement Of Three Tier Locker Door	269.40	
10 01 50 11-0005	EA Removal And Replacement Of Four Tier Locker Door	228.06	
10 01 50 11-0006	EA Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	130.37	
10 01 50 11-0007	EA Realign Metal Locker Door For Proper Closure	46.19	
10 01 50 11-0008	EA Patch Small Drill Holes In Locker	9.24	

10 10 Information Specialties ⁽¹⁰⁾

10 11 Visual Display Units ^(10 10)

10 11 13 Chalkboards ^(10 11)

10 11 13 13 Fixed Chalkboards ^(10 11 13)

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	Porcelain Enamel Steel Chalkboards ^(10 11 13 13)		
10 11 13 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) ^(10 11 13 13-0001)		
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.			
10 11 13 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	54.46	11.53
For >3 To 9, Deduct		-2.36	
For >9, Deduct		-4.87	
10 11 13 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	34.17	5.43
For >3 To 9, Deduct		-1.75	
For >9, Deduct		-3.61	
10 11 13 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	29.53	4.68
For >3 To 9, Deduct		-1.51	
For >9, Deduct		-3.13	
10 11 13 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	24.23	3.05
For >3 To 9, Deduct		-1.36	
For >9, Deduct		-2.81	
10 11 13 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.98	1.70
For >3 To 9, Deduct		-1.24	
For >9, Deduct		-2.57	

10 11 13 13-0008	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) ^(10 11 13 13-0001)		
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.			

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	57.37		11.53
		For >3 To 9, Deduct	-2.57		
		For >9, Deduct	-5.32		
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	37.01		5.43
		For >3 To 9, Deduct	-1.96		
		For >9, Deduct	-4.05		
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	32.15		4.68
		For >3 To 9, Deduct	-1.71		
		For >9, Deduct	-3.53		
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	27.40		3.05
		For >3 To 9, Deduct	-1.60		
		For >9, Deduct	-3.30		
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	23.09		1.70
		For >3 To 9, Deduct	-1.48		
		For >9, Deduct	-3.05		
10 11 13 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) (10 11 13 13-0001)					
Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.					
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	52.66		11.53
		For >3 To 9, Deduct	-2.22		
		For >9, Deduct	-4.59		
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	32.33		5.43
		For >3 To 9, Deduct	-1.61		
		For >9, Deduct	-3.33		
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	27.78		4.68
		For >3 To 9, Deduct	-1.38		
		For >9, Deduct	-2.86		
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	22.76		3.05
		For >3 To 9, Deduct	-1.25		
		For >9, Deduct	-2.58		
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	18.34		1.70
		For >3 To 9, Deduct	-1.12		
		For >9, Deduct	-2.32		
10 11 13 13-0020 Removal And Reinstallation Of Chalkboards (10 11 13 13)					
Note: Includes storage, cleaning and supply materials.					
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard.....	14.09		
		For >3 To 9, Deduct	-0.04		
		For >9, Deduct	-0.08		
10 11 13 13-0022 Field Applied Chalkboard And Accessories (10 11 13 13)					
10 11 13 13-0023 Chalkboard Face Sheets And Panels (10 11 13 13-0022)					
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	18.54		5.43
		Note: Includes porcelain enamel steel chalkboard skin.			
		For >3 To 9, Deduct	-0.63		
		For >9, Deduct	-1.30		
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT).....	21.78		5.43
		Note: Includes porcelain enamel steel surface mounted on either particleboard or hardboard core with an aluminum moisture barrier back.			
		For >3 To 9, Deduct	-0.87		
		For >9, Deduct	-1.80		
10 11 13 13-0026 Chalkboard And Markerboard Accessory Trays And Trim (10 11 13 13-0022)					
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	26.99		7.46
		For >3 To 9, Deduct	-0.89		
		For >9, Deduct	-1.84		
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied.....	35.06		13.57
		For >3 To 9, Deduct	-0.59		
		For >9, Deduct	-1.23		
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied.....	19.84		7.46
		For >3 To 9, Deduct	-0.36		
		For >9, Deduct	-0.74		
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	19.45		7.46
		For >3 To 9, Deduct	-0.33		
		For >9, Deduct	-0.68		
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	20.55		7.46
		For >3 To 9, Deduct	-0.41		
		For >9, Deduct	-0.85		
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	22.64		7.46
		For >3 To 9, Deduct	-0.57		
		For >9, Deduct	-1.17		
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	20.55		7.46
		For >3 To 9, Deduct	-0.41		
		For >9, Deduct	-0.85		
10 11 13 33 Rail-Mounted Chalkboards (10 11 13)					
10 11 13 33-0001 Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) (10 11 13 33)					

10 11 13 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0001)

10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,374.72	135.65
		For >3 To 9, Deduct	-157.76	
		For >9, Deduct	-326.03	
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,660.56	135.65
		For >3 To 9, Deduct	-179.19	
		For >9, Deduct	-370.34	
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,010.30	144.47
		For >3 To 9, Deduct	-204.10	
		For >9, Deduct	-421.81	
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,342.41	144.47
		For >3 To 9, Deduct	-229.01	
		For >9, Deduct	-473.29	
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,156.68	155.32
		For >3 To 9, Deduct	-288.45	
		For >9, Deduct	-596.14	
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,421.59	155.32
		For >3 To 9, Deduct	-308.32	
		For >9, Deduct	-637.20	
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,991.67	162.77
		For >3 To 9, Deduct	-349.96	
		For >9, Deduct	-723.25	
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,649.28	162.77
		For >3 To 9, Deduct	-399.28	
		For >9, Deduct	-825.18	

10 11 13 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0001)

10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,227.35	135.65
		For >3 To 9, Deduct	-221.70	
		For >9, Deduct	-458.19	
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,819.43	135.65
		For >3 To 9, Deduct	-266.11	
		For >9, Deduct	-549.96	
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,367.46	144.47
		For >3 To 9, Deduct	-305.89	
		For >9, Deduct	-632.17	
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,911.07	144.47
		For >3 To 9, Deduct	-346.66	
		For >9, Deduct	-716.43	
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,595.35	155.32
		For >3 To 9, Deduct	-396.35	
		For >9, Deduct	-819.13	
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,834.93	155.32
		For >3 To 9, Deduct	-414.32	
		For >9, Deduct	-856.27	
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,835.74	162.77
		For >3 To 9, Deduct	-488.26	
		For >9, Deduct	-1,009.08	
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,635.45	162.77
		For >3 To 9, Deduct	-548.24	
		For >9, Deduct	-1,133.03	

10 11 13 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0001)

10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,590.88	135.65
		For >3 To 9, Deduct	-248.97	
		For >9, Deduct	-514.53	
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,075.00	135.65
		For >3 To 9, Deduct	-285.28	
		For >9, Deduct	-589.57	
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,602.10	144.47
		For >3 To 9, Deduct	-323.49	
		For >9, Deduct	-668.54	
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,157.83	144.47
		For >3 To 9, Deduct	-365.17	
		For >9, Deduct	-754.68	
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,238.68	155.32
		For >3 To 9, Deduct	-444.60	
		For >9, Deduct	-918.85	
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,493.68	155.32
		For >3 To 9, Deduct	-463.73	
		For >9, Deduct	-958.37	
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,660.83	162.77
		For >3 To 9, Deduct	-550.15	
		For >9, Deduct	-1,136.97	
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	8,545.98	162.77
		For >3 To 9, Deduct	-616.53	
		For >9, Deduct	-1,274.17	

10 11 13 33-0029 Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) (10 11 13 33)

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0029)		
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,829.10	135.65
		For>3 To 9, Deduct	-191.84	
		For>9, Deduct	-396.46	
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,117.15	135.65
		For>3 To 9, Deduct	-213.44	
		For>9, Deduct	-441.11	
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,407.40	144.47
		For>3 To 9, Deduct	-233.89	
		For>9, Deduct	-483.36	
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,907.48	144.47
		For>3 To 9, Deduct	-271.39	
		For>9, Deduct	-560.88	
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,279.44	155.32
		For>3 To 9, Deduct	-297.66	
		For>9, Deduct	-615.17	
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,740.96	155.32
		For>3 To 9, Deduct	-332.27	
		For>9, Deduct	-686.70	
10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0029)		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,126.69	135.65
		For>3 To 9, Deduct	-289.15	
		For>9, Deduct	-597.59	
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,573.89	135.65
		For>3 To 9, Deduct	-322.69	
		For>9, Deduct	-666.90	
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,025.50	144.47
		For>3 To 9, Deduct	-355.24	
		For>9, Deduct	-734.17	
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,848.30	144.47
		For>3 To 9, Deduct	-416.95	
		For>9, Deduct	-861.70	
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,364.53	155.32
		For>3 To 9, Deduct	-454.04	
		For>9, Deduct	-938.35	
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,111.32	155.32
		For>3 To 9, Deduct	-510.05	
		For>9, Deduct	-1,054.11	
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0029)		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,617.05	135.65
		For>3 To 9, Deduct	-400.93	
		For>9, Deduct	-828.59	
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,226.72	135.65
		For>3 To 9, Deduct	-446.66	
		For>9, Deduct	-923.09	
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,840.79	144.47
		For>3 To 9, Deduct	-491.39	
		For>9, Deduct	-1,015.54	
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,985.21	144.47
		For>3 To 9, Deduct	-577.22	
		For>9, Deduct	-1,192.92	
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,658.92	155.32
		For>3 To 9, Deduct	-626.12	
		For>9, Deduct	-1,293.98	
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,710.81	155.32
		For>3 To 9, Deduct	-705.01	
		For>9, Deduct	-1,457.03	
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) ^(10 11 13 33)		
		Note: Excludes remotes.		
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards ^(10 11 13 33-0051)		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,029.68	271.30
		For>3 To 9, Deduct	-636.53	
		For>9, Deduct	-1,315.50	
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,284.81	271.30
		For>3 To 9, Deduct	-655.67	
		For>9, Deduct	-1,355.04	
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,572.31	279.78
		For>3 To 9, Deduct	-675.96	
		For>9, Deduct	-1,396.98	
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,039.60	279.78
		For>3 To 9, Deduct	-711.00	
		For>9, Deduct	-1,469.41	
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,559.11	288.25
		For>3 To 9, Deduct	-748.70	
		For>9, Deduct	-1,547.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,009.88	288.25	
		For >3 To 9, Deduct	-782.50		
		For >9, Deduct	-1,617.17		
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,996.88	305.21	
		For >3 To 9, Deduct	-853.99		
		For >9, Deduct	-1,764.90		
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,121.58	305.21	
		For >3 To 9, Deduct	-863.34		
		For >9, Deduct	-1,784.23		

10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0051)

10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,148.11	271.30	
		For >3 To 9, Deduct	-1,020.41		
		For >9, Deduct	-2,108.86		
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,485.41	271.30	
		For >3 To 9, Deduct	-1,045.71		
		For >9, Deduct	-2,161.14		
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,865.01	279.78	
		For >3 To 9, Deduct	-1,072.91		
		For >9, Deduct	-2,217.35		
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,551.74	279.78	
		For >3 To 9, Deduct	-1,124.42		
		For >9, Deduct	-2,323.79		
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,237.81	288.25	
		For >3 To 9, Deduct	-1,174.60		
		For >9, Deduct	-2,427.50		
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,890.39	288.25	
		For >3 To 9, Deduct	-1,223.54		
		For >9, Deduct	-2,528.65		
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,221.31	305.21	
		For >3 To 9, Deduct	-1,320.82		
		For >9, Deduct	-2,729.69		
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,418.93	305.21	
		For >3 To 9, Deduct	-1,335.64		
		For >9, Deduct	-2,760.32		

10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (10 11 13 33-0051)

10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,351.11	271.30	
		For >3 To 9, Deduct	-1,335.64		
		For >9, Deduct	-2,760.32		
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,202.42	271.30	
		For >3 To 9, Deduct	-1,399.49		
		For >9, Deduct	-2,892.27		
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,656.48	279.78	
		For >3 To 9, Deduct	-1,432.27		
		For >9, Deduct	-2,960.03		
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,549.43	279.78	
		For >3 To 9, Deduct	-1,499.24		
		For >9, Deduct	-3,098.43		
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	21,491.29	288.25	
		For >3 To 9, Deduct	-1,568.61		
		For >9, Deduct	-3,241.79		
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	22,394.15	288.25	
		For >3 To 9, Deduct	-1,636.32		
		For >9, Deduct	-3,381.74		
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	24,181.35	305.21	
		For >3 To 9, Deduct	-1,767.82		
		For >9, Deduct	-3,653.50		
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	24,529.01	305.21	
		For >3 To 9, Deduct	-1,793.90		
		For >9, Deduct	-3,707.38		

10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories (10 11 13 33)

10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	673.42		
		For >3 To 9, Deduct	-49.49		
		For >9, Deduct	-102.28		
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	1,148.21		
		For >3 To 9, Deduct	-85.10		
		For >9, Deduct	-175.87		

10 11 16 Markerboards (10 11)

10 11 16 13 Fixed Markerboards (10 11 16)

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001 Porcelain Enamel Steel Markerboards (10 11 16 13)

10 11 16 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) (10 11 16 13-0001)

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.

10 Specialties
10 10 Information Specialties
10 11 Visual Display Units

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	54.64	11.53
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	34.81	5.43
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	29.53	4.68
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	24.46	3.05
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	19.72	1.70
10 11 16 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) (10 11 16 13-0001) Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	57.41	11.53
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	35.64	5.43
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	30.77	4.68
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	26.02	3.05
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	22.28	1.70
10 11 16 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) (10 11 16 13-0001) Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	52.64	11.53
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	32.34	5.43
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	29.12	4.68
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	22.90	3.05
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	18.03	1.70
10 11 16 13-0020		Melamine Markerboards (10 11 16 13)		
10 11 16 13-0021		1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) (10 11 16 13-0020) Note: Includes full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	44.17	11.53
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	26.51	5.43
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	22.99	4.68
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	17.12	3.05
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	13.62	1.70
10 11 16 13-0027		1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) (10 11 16 13-0020) Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	43.23	11.53
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	26.07	5.43
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	22.37	4.68
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	16.01	3.05
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	12.62	1.70
10 11 16 13-0033		Nonporous, Non-Staining Markerboards (10 11 16 13)		
10 11 16 13-0034		5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	59.73	11.53
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	38.75	5.43
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	33.43	4.68
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	29.22	3.05
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	24.95	1.70
10 11 16 13-0040		1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	59.73	11.53
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	38.75	5.43
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	33.43	4.68
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	29.22	3.05
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	24.95	1.70

			Specialties	10
			Information Specialties	10 10
			Visual Display Units	10 11
MINOR	CSI	UOM	TOTAL DIRECT	DEMOLITION
		DESCRIPTION	UNIT COST	UNIT COST

10 11 16 13-0046		1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) (10 11 16 13-0033) Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard For Magnetic Surface, Add	105.18 8.21	11.53
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard For Magnetic Surface, Add	66.06 5.52	5.43
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... For Magnetic Surface, Add	55.85 4.65	4.68
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... For Magnetic Surface, Add	46.96 4.09	3.05
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... For Magnetic Surface, Add	36.28 3.29	1.70
10 11 16 13-0052		Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) (10 11 16 13-0033) Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface; 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	26.70	4.68
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	22.54	3.05
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	18.71	1.70
10 11 16 13-0056		Removal And Reinstallation Of Markerboard (10 11 16 13) Note: Includes storage, cleaning and supply materials.		
10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	81.39	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard.....	94.96	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	108.52	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	122.08	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	135.65	
10 11 16 13-0062		Field Applied Markerboard And Accessories (10 11 16 13)		
10 11 16 13-0063		Markerboard Face Sheets And Panels (10 11 16 13-0062)		
10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.	18.28	5.43
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.	21.19	5.43
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS) Note: Includes porcelain enamel steel surface mounted on either 3/8" particleboard or 1/4" hardboard core with an aluminum moisture barrier back.	21.12	5.43
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032) Note: Includes 1/4" thick melamine panel.	13.01	5.43
10 11 16 13-0068		Chalkboard And Markerboard Accessory Trays And Trim (10 11 16 13-0062) See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33		Rail-Mounted Markerboards (10 11 16)		
10 11 16 33-0001		Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) (10 11 16 33)		
10 11 16 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)		
10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,346.70	135.65
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,623.19	135.65
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,963.59	144.47
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,286.36	144.47
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,091.29	155.32
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,346.86	155.32
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,898.26	162.77
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,537.18	162.77
10 11 16 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)		
10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,199.33	135.65
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,782.07	135.65
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,320.75	144.47
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,855.02	144.47
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,529.96	155.32
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,760.20	155.32
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,742.32	162.77
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,523.35	162.77
10 11 16 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards (10 11 16 33-0001)		

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
	10 11 16 33-0021	EA		4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,562.85	135.65
	10 11 16 33-0022	EA		4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,037.64	135.65
	10 11 16 33-0023	EA		4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,555.39	144.47
	10 11 16 33-0024	EA		4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,101.78	144.47
	10 11 16 33-0025	EA		4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,173.29	155.32
	10 11 16 33-0026	EA		4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,418.95	155.32
	10 11 16 33-0027	EA		4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,567.41	162.77
	10 11 16 33-0028	EA		4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	8,461.90	162.77
	10 11 16 33-0029			Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) ^(10 11 16 33)		
	10 11 16 33-0030			One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards ^(10 11 16 33-0029)		
	10 11 16 33-0031	EA		8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,791.74	135.65
	10 11 16 33-0032	EA		8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,070.44	135.65
	10 11 16 33-0033	EA		8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,351.35	144.47
	10 11 16 33-0034	EA		8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,832.75	144.47
	10 11 16 33-0035	EA		8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,186.02	155.32
	10 11 16 33-0036	EA		8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,628.86	155.32
	10 11 16 33-0037			Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards ^(10 11 16 33-0029)		
	10 11 16 33-0038	EA		8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,051.96	135.65
	10 11 16 33-0039	EA		8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,480.48	135.65
	10 11 16 33-0040	EA		8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,913.40	144.47
	10 11 16 33-0041	EA		8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,698.84	144.47
	10 11 16 33-0042	EA		8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,177.70	155.32
	10 11 16 33-0043	EA		8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,887.12	155.32
	10 11 16 33-0044			Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards ^(10 11 16 33-0029)		
	10 11 16 33-0045	EA		8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,504.95	135.65
	10 11 16 33-0046	EA		8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,086.59	135.65
	10 11 16 33-0047	EA		8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,672.64	144.47
	10 11 16 33-0048	EA		8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,761.01	144.47
	10 11 16 33-0049	EA		8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,378.68	155.32
	10 11 16 33-0050	EA		8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	9,374.51	155.32
	10 11 16 33-0051			Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) ^(10 11 16 33)		
				Note: Excludes remotes.		
	10 11 16 33-0052			One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards ^(10 11 16 33-0051)		
	10 11 16 33-0053	EA		10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,982.97	271.30
	10 11 16 33-0054	EA		10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,226.42	271.30
	10 11 16 33-0055	EA		10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,502.25	279.78
	10 11 16 33-0056	EA		10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,946.19	279.78
	10 11 16 33-0057	EA		10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,442.34	288.25
	10 11 16 33-0058	EA		10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,869.76	288.25
	10 11 16 33-0059	EA		10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,833.41	305.21
	10 11 16 33-0060	EA		10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,934.76	305.21
	10 11 16 33-0061			Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards ^(10 11 16 33-0051)		
	10 11 16 33-0062	EA		10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,054.69	271.30
	10 11 16 33-0063	EA		10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,368.65	271.30
	10 11 16 33-0064	EA		10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,724.89	279.78
	10 11 16 33-0065	EA		10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,364.91	279.78
	10 11 16 33-0066	EA		10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,004.27	288.25
	10 11 16 33-0067	EA		10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,610.14	288.25
	10 11 16 33-0068	EA		10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,894.36	305.21
	10 11 16 33-0069	EA		10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,045.27	305.21
	10 11 16 33-0070			Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards ^(10 11 16 33-0051)		
	10 11 16 33-0071	EA		10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,210.99	271.30
	10 11 16 33-0072	EA		10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,027.27	271.30
	10 11 16 33-0073	EA		10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,446.30	279.78
	10 11 16 33-0074	EA		10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,269.19	279.78
	10 11 16 33-0075	EA		10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,140.98	288.25
	10 11 16 33-0076	EA		10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,973.78	288.25
	10 11 16 33-0077	EA		10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,690.92	305.21
	10 11 16 33-0078	EA		10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,968.52	305.21

			Specialties	10
			Information Specialties	10 10
			Visual Display Units	10 11
			TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

MINOR
CSI UOM DESCRIPTION

10 11 16 33-0079	Sliding Chalkboard And Markerboard Accessories (10 11 16 33) See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.				
10 11 23	Tackboards (10 11)				
10 11 23 13	Fixed Tackboards (10 11 23) Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.				
10 11 23 13-0001	Fixed Tackboards (10 11 23 13) Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.				
10 11 23 13-0002	Cork Surface, Fixed Tackboards (10 11 23 13-0001) Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.				
10 11 23 13-0003	5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0002)				
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	37.84		11.53
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	21.13		5.43
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	18.31		4.68
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	14.36		3.05
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	11.45		1.70
10 11 23 13-0009	1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) (10 11 23 13-0002)				
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	39.58		11.53
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	21.94		5.43
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	17.90		4.68
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.72		3.05
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.44		1.70
10 11 23 13-0015	1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0002)				
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	39.77		11.53
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	23.64		5.43
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	21.75		4.68
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	16.52		3.05
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.79		1.70
10 11 23 13-0021	Burlap Backed Cork Surface, Fixed Tackboards (10 11 23 13-0001) Note: Includes burlap backed 1/4" self-healing cork surface, unmounted or mounted on hardboard.				
10 11 23 13-0022	5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0021)				
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	42.89		11.53
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	27.19		5.43
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	24.71		4.68
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.79		3.05
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	17.99		1.70
10 11 23 13-0028	1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0021)				
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	47.11		11.53
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	31.70		5.43
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	29.26		4.68
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	24.09		3.05
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.40		1.70
10 11 23 13-0034	Polyester Fabric Surface, Fixed Tackboards (10 11 23 13-0001) Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.				
10 11 23 13-0035	5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0034)				
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	39.03		11.53
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	22.60		5.43
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	19.96		4.68
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	16.06		3.05
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	12.96		1.70
10 11 23 13-0041	1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0034)				
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	41.42		11.53
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	25.70		5.43
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	23.68		4.68
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	18.63		3.05
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	14.99		1.70

10	10	Specialties
	10 10	Information Specialties
	10 11	Visual Display Units



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 23 13-0047			Vinyl Fabric Surface, Fixed Tackboards (10 11 23 13-0001) Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048			5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) (10 11 23 13-0047)		
10 11 23 13-0049	SF		Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	37.84	11.53
10 11 23 13-0050	SF		>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	21.22	5.43
10 11 23 13-0051	SF		>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	18.45	4.68
10 11 23 13-0052	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	14.36	3.05
10 11 23 13-0053	SF		>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	11.24	1.70
10 11 23 13-0054			1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0047)		
10 11 23 13-0055	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	39.77	11.53
10 11 23 13-0056	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	24.49	5.43
10 11 23 13-0057	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	21.75	4.68
10 11 23 13-0058	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	16.52	3.05
10 11 23 13-0059	SF		4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	12.79	1.70

10 12 Display Cases (10 10)

10 12 00 00-0001			Counter Display Cases (10 12)		
10 12 00 00-0002	EA		30" x 12" x 36" Counter Display Cases.....	1,982.68	207.81
10 12 00 00-0003	EA		30" x 12" x 48" Counter Display Cases.....	2,139.88	207.81
10 12 00 00-0004	EA		30" x 18" x 36" Counter Display Cases.....	2,075.86	207.81
10 12 00 00-0005	EA		30" x 18" x 48" Counter Display Cases.....	2,050.36	92.37
10 12 00 00-0006			Upright Display Case (10 12)		
10 12 00 00-0007	EA		72" High x 20" Deep x 70" Wide, Upright Display Case.....	4,115.12	207.81
10 12 00 00-0008			Full Vision Display Case (10 12)		
10 12 00 00-0009	EA		38" x 20" x 70" Full Vision Display Case.....	2,693.44	207.81

10 13 Directories (10 10)

10 13 11 Directory and Bulletin Boards (10 13)

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001			Wall Mounted Directories (10 13 11) Note: Includes changeable letters.		
10 13 11 00-0002			Open Face, Wall Mounted Directories (10 13 11 00-0001) Note: Includes vinyl or felt back panel.		
10 13 11 00-0003			Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) (10 13 11 00-0002)		
10 13 11 00-0004	SF		Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory.....	60.15	11.53
10 13 11 00-0005	SF		>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory.....	38.67	5.43
10 13 11 00-0006	SF		>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory.....	35.06	4.68
10 13 11 00-0007	SF		>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	26.62	3.05
10 13 11 00-0008	SF		>24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	21.02	1.70
10 13 11 00-0009			Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) (10 13 11 00-0002)		
10 13 11 00-0010	SF		Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	60.70	11.53
			For Bronze Anodize Finish, Add.....	12.00	
10 13 11 00-0011	SF		>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	39.03	5.43
			For Bronze Anodize Finish, Add.....	12.00	
10 13 11 00-0012	SF		>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	35.80	4.68
			For Bronze Anodize Finish, Add.....	12.00	
10 13 11 00-0013	SF		>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	25.42	3.05
			For Bronze Anodize Finish, Add.....	12.00	
10 13 11 00-0014	SF		>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	21.57	1.70
			For Bronze Anodize Finish, Add.....	12.00	
10 13 11 00-0015			Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016			Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)		
10 13 11 00-0017			Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) (10 13 11 00-0016)		
10 13 11 00-0018	SF		Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	142.95	11.53
			For Fluorescent Lights, Add.....	15.00	
10 13 11 00-0019	SF		>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	113.39	5.43
			For Fluorescent Lights, Add.....	15.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	95.01 15.00	4.68
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	87.57 15.00	3.05
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	78.85 15.00	1.70
10 13 11 00-0023		Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) (10 13 11 00-0016)		
10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i>	123.49 15.00	11.53
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	98.07 15.00	4.68
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	70.22 15.00	3.05
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i>	62.88 15.00	1.70
10 13 11 00-0028		Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)		
10 13 11 00-0029		Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		
10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	128.36 15.00 12.00 21.06	11.53
10 13 11 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	98.25 15.00 12.00 17.48	5.43
10 13 11 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	83.18 15.00 12.00 14.76	4.68
10 13 11 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	61.01 15.00 12.00 10.98	3.05
10 13 11 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	56.55 15.00 12.00 10.63	1.70
10 13 11 00-0035		Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)		
10 13 11 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	195.74 15.00 12.00 34.54	11.53
10 13 11 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	113.31 15.00 12.00 20.49	5.43
10 13 11 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	95.50 15.00 12.00 17.23	4.68
10 13 11 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	73.44 15.00 12.00 13.47	3.05
10 13 11 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	67.57 15.00 12.00 12.84	1.70
10 13 11 00-0041		Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0042		Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0041)		
10 13 11 00-0043		Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) (10 13 11 00-0042)		
10 13 11 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	192.34 15.00 12.00	11.53
10 13 11 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	127.72 15.00 12.00	5.43

10	10	Specialties
	10 10	Information Specialties
	10 13	Directories



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....				123.93	4.68
		For Fluorescent Lights, Add				15.00	
		For Bronze Anodize Finish, Add				12.00	
10 13 11 00-0047		Wall Mounted Bulletin Boards (10 13 11)					
10 13 11 00-0048		Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047)					
		Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.					
10 13 11 00-0049		Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)					
10 13 11 00-0050		Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) (10 13 11 00-0049)					
10 13 11 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				139.64	11.53
		For Fluorescent Lights, Add				15.00	
10 13 11 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				110.91	5.43
		For Fluorescent Lights, Add				15.00	
10 13 11 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				92.53	4.68
		For Fluorescent Lights, Add				15.00	
10 13 11 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				85.23	3.05
		For Fluorescent Lights, Add				15.00	
10 13 11 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				77.75	1.70
		For Fluorescent Lights, Add				15.00	
10 13 11 00-0056		Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) (10 13 11 00-0049)					
10 13 11 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				117.61	11.53
		For Fluorescent Lights, Add				15.00	
10 13 11 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				92.49	4.68
		For Fluorescent Lights, Add				15.00	
10 13 11 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				65.91	3.05
		For Fluorescent Lights, Add				15.00	
10 13 11 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				59.57	1.70
		For Fluorescent Lights, Add				15.00	
10 13 11 00-0061		Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)					
10 13 11 00-0062		Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) (10 13 11 00-0061)					
10 13 11 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				131.38	11.53
		For Fluorescent Lights, Add				15.00	
		For Bronze Anodize Finish, Add				12.00	
		For Header Panel, Add				21.66	
10 13 11 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				101.27	5.43
		For Fluorescent Lights, Add				15.00	
		For Bronze Anodize Finish, Add				12.00	
		For Header Panel, Add				18.08	
10 13 11 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				86.20	4.68
		For Fluorescent Lights, Add				15.00	
		For Bronze Anodize Finish, Add				12.00	
		For Header Panel, Add				15.37	
10 13 11 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				64.03	3.05
		For Fluorescent Lights, Add				15.00	
		For Bronze Anodize Finish, Add				12.00	
		For Header Panel, Add				11.59	
10 13 11 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				59.57	1.70
		For Fluorescent Lights, Add				15.00	
		For Bronze Anodize Finish, Add				12.00	
		For Header Panel, Add				11.24	
10 13 11 00-0068		Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) (10 13 11 00-0061)					
10 13 11 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				198.76	11.53
		For Fluorescent Lights, Add				15.00	
		For Bronze Anodize Finish, Add				12.00	
		For Header Panel, Add				35.14	
10 13 11 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				116.33	5.43
		For Fluorescent Lights, Add				15.00	
		For Bronze Anodize Finish, Add				12.00	
		For Header Panel, Add				21.10	
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				98.52	4.68
		For Fluorescent Lights, Add				15.00	
		For Bronze Anodize Finish, Add				12.00	
		For Header Panel, Add				17.83	
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				76.46	3.05
		For Fluorescent Lights, Add				15.00	
		For Bronze Anodize Finish, Add				12.00	
		For Header Panel, Add				14.07	
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet				70.59	1.70
		For Fluorescent Lights, Add				15.00	
		For Bronze Anodize Finish, Add				12.00	
		For Header Panel, Add				13.44	

			Specialties	10	10
			Information Specialties	10 10	
			Directories	10 13	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 13 11 00-0074	Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047) Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.				
10 13 11 00-0075	Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0074)				
10 13 11 00-0076	Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0075)				
10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	189.32		11.53
		For Fluorescent Lights, Add	15.00		
		For Bronze Anodize Finish, Add	12.00		
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	124.71		5.43
		For Fluorescent Lights, Add	15.00		
		For Bronze Anodize Finish, Add	12.00		
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	120.94		4.68
		For Fluorescent Lights, Add	15.00		
		For Bronze Anodize Finish, Add	12.00		

10 14 Signage (10 10)

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 19 Dimensional Letter Signage (10 14)

Note: Mounted on masonry or concrete.

10 14 19 00-0001	Cast Characters (10 14 19) Note: Any font.				
10 14 19 00-0002	Satin Finish, Cast Aluminum Characters (10 14 19 00-0001)				
10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	58.28		8.48
		For Installation With Adhesive, Deduct	-6.30		
		For Clear Anodized, Add	2.44		
		For Satin Face And Enameled Return, Add	7.31		
		For Patina Finish, Add	9.75		
		For Color Anodized, Add	12.19		
10 14 19 00-0004	EA	3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	68.50		9.15
		For Installation With Adhesive, Deduct	-7.09		
		For Clear Anodized, Add	3.19		
		For Satin Face And Enameled Return, Add	9.56		
		For Patina Finish, Add	12.75		
		For Color Anodized, Add	15.94		
10 14 19 00-0005	EA	4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	74.95		9.83
		For Installation With Adhesive, Deduct	-7.68		
		For Clear Anodized, Add	3.56		
		For Satin Face And Enameled Return, Add	10.69		
		For Patina Finish, Add	14.25		
		For Color Anodized, Add	17.82		
10 14 19 00-0006	EA	5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	86.01		11.25
		For Installation With Adhesive, Deduct	-8.78		
		For Clear Anodized, Add	4.13		
		For Satin Face And Enameled Return, Add	12.38		
		For Patina Finish, Add	16.50		
		For Color Anodized, Add	20.63		
10 14 19 00-0007	EA	6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	94.34		11.86
		For Installation With Adhesive, Deduct	-9.46		
		For Clear Anodized, Add	4.69		
		For Satin Face And Enameled Return, Add	14.06		
		For Patina Finish, Add	18.75		
		For Color Anodized, Add	23.44		
10 14 19 00-0008	EA	8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	112.37		13.56
		For Installation With Adhesive, Deduct	-11.04		
		For Clear Anodized, Add	5.81		
		For Satin Face And Enameled Return, Add	17.44		
		For Patina Finish, Add	23.25		
		For Color Anodized, Add	29.07		
10 14 19 00-0009	EA	9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	124.46		14.24
		For Installation With Adhesive, Deduct	-11.92		
		For Clear Anodized, Add	6.75		
		For Satin Face And Enameled Return, Add	20.25		
		For Patina Finish, Add	27.00		
		For Color Anodized, Add	33.76		
10 14 19 00-0010	EA	10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	141.66		15.25
		For Installation With Adhesive, Deduct	-13.19		
		For Clear Anodized, Add	8.06		
		For Satin Face And Enameled Return, Add	24.19		
		For Patina Finish, Add	32.26		
		For Color Anodized, Add	40.32		
10 14 19 00-0011	EA	12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	171.78		17.62
		For Installation With Adhesive, Deduct	-15.64		
		For Clear Anodized, Add	10.13		
		For Satin Face And Enameled Return, Add	30.38		
		For Patina Finish, Add	40.50		
		For Color Anodized, Add	50.63		

10 Specialties**10 10 Information Specialties****10 14 Signage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	205.13	20.34
		For Installation With Adhesive, Deduct	-18.39	
		For Clear Anodized, Add	12.38	
		For Satin Face And Enameled Return, Add	37.13	
		For Patina Finish, Add	49.51	
		For Color Anodized, Add	61.89	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	225.46	22.60
		For Installation With Adhesive, Deduct	-20.32	
		For Clear Anodized, Add	13.50	
		For Satin Face And Enameled Return, Add	40.51	
		For Patina Finish, Add	54.01	
		For Color Anodized, Add	67.51	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	251.40	24.41
		For Installation With Adhesive, Deduct	-22.33	
		For Clear Anodized, Add	15.38	
		For Satin Face And Enameled Return, Add	46.13	
		For Patina Finish, Add	61.51	
		For Color Anodized, Add	76.89	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	303.51	27.12
		For Installation With Adhesive, Deduct	-26.02	
		For Clear Anodized, Add	19.50	
		For Satin Face And Enameled Return, Add	58.51	
		For Patina Finish, Add	78.01	
		For Color Anodized, Add	97.52	
10 14 19 00-0016	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	365.82	30.51
		For Installation With Adhesive, Deduct	-30.50	
		For Clear Anodized, Add	24.38	
		For Satin Face And Enameled Return, Add	73.13	
		For Patina Finish, Add	97.51	
		For Color Anodized, Add	121.89	
10 14 19 00-0017	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	439.39	33.90
		For Installation With Adhesive, Deduct	-35.53	
		For Clear Anodized, Add	30.38	
		For Satin Face And Enameled Return, Add	91.14	
		For Patina Finish, Add	121.52	
		For Color Anodized, Add	151.90	

10 14 19 00-0018 Satin Finish, Cast Bronze Characters (10 14 19 00-0001)

10 14 19 00-0019	EA	2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	71.02	9.33
		For Installation With Adhesive, Deduct	-7.28	
		For Oxidized Finish, Add	5.06	
		For Polished Or Patina Finish, Add	10.12	
10 14 19 00-0020	EA	3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	100.11	10.17
		For Installation With Adhesive, Deduct	-9.07	
		For Oxidized Finish, Add	8.91	
		For Polished Or Patina Finish, Add	17.83	
10 14 19 00-0021	EA	4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	109.24	10.85
		For Installation With Adhesive, Deduct	-9.80	
		For Oxidized Finish, Add	9.88	
		For Polished Or Patina Finish, Add	19.76	
10 14 19 00-0022	EA	5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	132.34	12.20
		For Installation With Adhesive, Deduct	-11.50	
		For Oxidized Finish, Add	12.53	
		For Polished Or Patina Finish, Add	25.06	
10 14 19 00-0023	EA	6" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	146.97	13.02
		For Installation With Adhesive, Deduct	-12.57	
		For Oxidized Finish, Add	14.21	
		For Polished Or Patina Finish, Add	28.43	
10 14 19 00-0024	EA	8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	194.58	14.92
		For Installation With Adhesive, Deduct	-15.70	
		For Oxidized Finish, Add	20.24	
		For Polished Or Patina Finish, Add	40.47	
10 14 19 00-0025	EA	9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	221.37	15.59
		For Installation With Adhesive, Deduct	-17.31	
		For Oxidized Finish, Add	23.85	
		For Polished Or Patina Finish, Add	47.70	
10 14 19 00-0026	EA	10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	247.68	16.95
		For Installation With Adhesive, Deduct	-19.16	
		For Oxidized Finish, Add	26.98	
		For Polished Or Patina Finish, Add	53.96	
10 14 19 00-0027	EA	12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	293.87	19.66
		For Installation With Adhesive, Deduct	-22.56	
		For Oxidized Finish, Add	32.28	
		For Polished Or Patina Finish, Add	64.57	
10 14 19 00-0028	EA	14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	344.87	22.37
		For Installation With Adhesive, Deduct	-26.19	
		For Oxidized Finish, Add	38.31	
		For Polished Or Patina Finish, Add	76.61	
10 14 19 00-0029	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	408.82	27.12
		For Installation With Adhesive, Deduct	-31.29	
		For Oxidized Finish, Add	45.05	
		For Polished Or Patina Finish, Add	90.10	
10 14 19 00-0030	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	424.99	29.16
		For Installation With Adhesive, Deduct	-32.91	
		For Oxidized Finish, Add	46.26	
		For Polished Or Patina Finish, Add	92.51	
10 14 19 00-0031	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	599.76	33.90
		For Installation With Adhesive, Deduct	-43.55	
		For Oxidized Finish, Add	69.62	
		For Polished Or Patina Finish, Add	139.25	

			Specialties	10	10
			Information Specialties	10 10	
			Signage	10 14	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
10 14 19 00-0032	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	721.10	38.14	
		For Installation With Adhesive, Deduct	-51.31		
		For Oxidized Finish, Add	85.28		
		For Polished Or Patina Finish, Add	170.57		
10 14 19 00-0033	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	915.08	44.07	
		For Installation With Adhesive, Deduct	-63.38		
		For Oxidized Finish, Add	110.82		
		For Polished Or Patina Finish, Add	221.64		
10 14 19 00-0034		Molded Characters (10 14 19)			
		Note: Any font.			
10 14 19 00-0035		Molded Plastic Characters (10 14 19 00-0034)			
10 14 19 00-0036	EA	4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	45.21	6.78	
		For Installation With Adhesive, Deduct	-4.97		
10 14 19 00-0037	EA	5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	49.02	7.46	
		For Installation With Adhesive, Deduct	-5.43		
10 14 19 00-0038	EA	6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	54.09	8.13	
		For Installation With Adhesive, Deduct	-5.96		
10 14 19 00-0039	EA	8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	68.37	8.82	
		For Installation With Adhesive, Deduct	-6.94		
10 14 19 00-0040	EA	9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	73.86	9.49	
		For Installation With Adhesive, Deduct	-7.49		
10 14 19 00-0041	EA	10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	79.93	10.17	
		For Installation With Adhesive, Deduct	-8.06		
10 14 19 00-0042	EA	12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	93.17	11.86	
		For Installation With Adhesive, Deduct	-9.40		
10 14 19 00-0043	EA	15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	122.36	14.92	
		For Installation With Adhesive, Deduct	-12.09		
10 14 19 00-0044	EA	18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	155.02	17.62	
		For Installation With Adhesive, Deduct	-14.80		
10 14 19 00-0045	EA	24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	227.02	21.70	
		For Installation With Adhesive, Deduct	-20.03		
10 14 19 00-0046	EA	30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	333.25	25.43	
		For Installation With Adhesive, Deduct	-26.83		
10 14 19 00-0047	EA	36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	435.10	29.16	
		For Installation With Adhesive, Deduct	-33.42		
10 14 19 00-0048	EA	48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	804.96	38.99	
		For Installation With Adhesive, Deduct	-55.84		
10 14 19 00-0049		Cutout Characters (10 14 19)			
		Note: Any font.			
10 14 19 00-0050		Satin Finish, Aluminum Characters (10 14 19 00-0049)			
10 14 19 00-0051		1/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)			
10 14 19 00-0052	EA	2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	54.53	8.48	
		For Installation With Adhesive, Deduct	-6.12		
		For Clear Anodized, Add	2.06		
		For Satin Face And Enameled Return, Add	7.22		
		For Color Anodized, Add	10.32		
		For Polished Or Patina Finish, Add	10.32		
		For Polished Anodized Finish, Add	15.47		
10 14 19 00-0053	EA	4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	74.95	9.83	
		For Installation With Adhesive, Deduct	-7.68		
		For Clear Anodized, Add	3.56		
		For Satin Face And Enameled Return, Add	12.47		
		For Color Anodized, Add	17.62		
		For Polished Or Patina Finish, Add	17.82		
		For Polished Anodized Finish, Add	26.72		
10 14 19 00-0054	EA	6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	99.97	11.86	
		For Installation With Adhesive, Deduct	-9.74		
		For Clear Anodized, Add	5.25		
		For Satin Face And Enameled Return, Add	18.38		
		For Color Anodized, Add	26.26		
		For Polished Or Patina Finish, Add	26.26		
		For Polished Anodized Finish, Add	39.38		
10 14 19 00-0055	EA	8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	121.75	13.56	
		For Installation With Adhesive, Deduct	-11.51		
		For Clear Anodized, Add	6.75		
		For Satin Face And Enameled Return, Add	23.63		
		For Color Anodized, Add	33.76		
		For Polished Or Patina Finish, Add	33.76		
		For Polished Anodized Finish, Add	50.63		
10 14 19 00-0056	EA	10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	139.78	15.25	
		For Installation With Adhesive, Deduct	-13.09		
		For Clear Anodized, Add	7.88		
		For Satin Face And Enameled Return, Add	27.57		
		For Color Anodized, Add	39.38		
		For Polished Or Patina Finish, Add	39.38		
		For Polished Anodized Finish, Add	59.07		
10 14 19 00-0057	EA	12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	160.53	17.62	
		For Installation With Adhesive, Deduct	-15.08		
		For Clear Anodized, Add	9.00		
		For Satin Face And Enameled Return, Add	31.50		
		For Color Anodized, Add	45.01		
		For Polished Or Patina Finish, Add	45.01		
		For Polished Anodized Finish, Add	67.51		

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
10 14 19 00-0058	EA	14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	188.25		20.34
		For Installation With Adhesive, Deduct	-17.55		
		For Clear Anodized, Add	10.69		
		For Satin Face And Enameled Return, Add	37.41		
		For Color Anodized, Add	53.45		
		For Polished Or Patina Finish, Add	53.45		
		For Polished Anodized Finish, Add	80.17		
10 14 19 00-0059	EA	16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	223.27		24.41
		For Installation With Adhesive, Deduct	-20.93		
		For Clear Anodized, Add	12.56		
		For Satin Face And Enameled Return, Add	43.97		
		For Color Anodized, Add	62.82		
		For Polished Or Patina Finish, Add	62.82		
		For Polished Anodized Finish, Add	94.23		
10 14 19 00-0060	EA	18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	251.00		27.12
		For Installation With Adhesive, Deduct	-23.40		
		For Clear Anodized, Add	14.25		
		For Satin Face And Enameled Return, Add	49.88		
		For Color Anodized, Add	71.26		
		For Polished Or Patina Finish, Add	71.26		
		For Polished Anodized Finish, Add	106.89		
10 14 19 00-0061	EA	20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	300.19		30.51
		For Installation With Adhesive, Deduct	-27.21		
		For Clear Anodized, Add	17.82		
		For Satin Face And Enameled Return, Add	62.35		
		For Color Anodized, Add	89.08		
		For Polished Or Patina Finish, Add	89.08		
		For Polished Anodized Finish, Add	133.61		
10 14 19 00-0062	EA	22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	342.60		32.20
		For Installation With Adhesive, Deduct	-30.01		
		For Clear Anodized, Add	21.38		
		For Satin Face And Enameled Return, Add	74.82		
		For Color Anodized, Add	106.89		
		For Polished Or Patina Finish, Add	106.89		
		For Polished Anodized Finish, Add	160.34		
10 14 19 00-0063	EA	24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	420.64		33.90
		For Installation With Adhesive, Deduct	-34.59		
		For Clear Anodized, Add	28.50		
		For Satin Face And Enameled Return, Add	99.76		
		For Color Anodized, Add	142.52		
		For Polished Or Patina Finish, Add	142.52		
		For Polished Anodized Finish, Add	213.78		
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	597.15		40.68
		For Installation With Adhesive, Deduct	-46.13		
		For Clear Anodized, Add	43.44		
		For Satin Face And Enameled Return, Add	152.05		
		For Color Anodized, Add	217.22		
		For Polished Or Patina Finish, Add	217.22		
		For Polished Anodized Finish, Add	325.82		
10 14 19 00-0065		3/8" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)			
10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	67.73		8.48
		For Installation With Adhesive, Deduct	-6.78		
		For Clear Anodized, Add	3.38		
		For Satin Face And Enameled Return, Add	11.84		
		For Color Anodized, Add	16.92		
		For Polished Or Patina Finish, Add	16.92		
		For Polished Anodized Finish, Add	25.37		
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	95.62		9.83
		For Installation With Adhesive, Deduct	-8.71		
		For Clear Anodized, Add	5.63		
		For Satin Face And Enameled Return, Add	19.71		
		For Color Anodized, Add	28.15		
		For Polished Or Patina Finish, Add	28.15		
		For Polished Anodized Finish, Add	42.23		
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	120.44		11.86
		For Installation With Adhesive, Deduct	-10.77		
		For Clear Anodized, Add	7.30		
		For Satin Face And Enameled Return, Add	25.54		
		For Color Anodized, Add	36.49		
		For Polished Or Patina Finish, Add	36.49		
		For Polished Anodized Finish, Add	54.74		
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	150.10		13.56
		For Installation With Adhesive, Deduct	-12.93		
		For Clear Anodized, Add	9.59		
		For Satin Face And Enameled Return, Add	33.55		
		For Color Anodized, Add	47.93		
		For Polished Or Patina Finish, Add	47.93		
		For Polished Anodized Finish, Add	71.90		
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	173.65		15.25
		For Installation With Adhesive, Deduct	-14.78		
		For Clear Anodized, Add	11.26		
		For Satin Face And Enameled Return, Add	39.42		
		For Color Anodized, Add	56.32		
		For Polished Or Patina Finish, Add	56.32		
		For Polished Anodized Finish, Add	84.47		

				Specialties	10	10
				Information Specialties	10 10	
				Signage	10 14	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
				UNIT COST	UNIT COST	
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	.....	203.74	17.62	
		For Installation With Adhesive, Deduct		-17.24		
		For Clear Anodized, Add		13.32		
		For Satin Face And Enameled Return, Add		46.63		
		For Color Anodized, Add		66.61		
		For Polished Or Patina Finish, Add		66.61		
		For Polished Anodized Finish, Add		99.92		
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	.....	238.49	20.34	
		For Installation With Adhesive, Deduct		-20.06		
		For Clear Anodized, Add		15.71		
		For Satin Face And Enameled Return, Add		55.00		
		For Color Anodized, Add		78.57		
		For Polished Or Patina Finish, Add		78.57		
		For Polished Anodized Finish, Add		117.85		
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	.....	294.89	24.41	
		For Installation With Adhesive, Deduct		-24.51		
		For Clear Anodized, Add		19.73		
		For Satin Face And Enameled Return, Add		69.04		
		For Color Anodized, Add		98.63		
		For Polished Or Patina Finish, Add		98.63		
		For Polished Anodized Finish, Add		147.95		
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	.....	340.79	27.12	
		For Installation With Adhesive, Deduct		-27.89		
		For Clear Anodized, Add		23.23		
		For Satin Face And Enameled Return, Add		81.31		
		For Color Anodized, Add		116.16		
		For Polished Or Patina Finish, Add		116.16		
		For Polished Anodized Finish, Add		174.23		
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	.....	394.61	30.51	
		For Installation With Adhesive, Deduct		-31.93		
		For Clear Anodized, Add		27.26		
		For Satin Face And Enameled Return, Add		95.40		
		For Color Anodized, Add		136.29		
		For Polished Or Patina Finish, Add		136.29		
		For Polished Anodized Finish, Add		204.43		
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	.....	440.94	32.20	
		For Installation With Adhesive, Deduct		-34.93		
		For Clear Anodized, Add		31.21		
		For Satin Face And Enameled Return, Add		109.24		
		For Color Anodized, Add		156.06		
		For Polished Or Patina Finish, Add		156.06		
		For Polished Anodized Finish, Add		234.09		
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	.....	489.05	33.90	
		For Installation With Adhesive, Deduct		-38.01		
		For Clear Anodized, Add		35.35		
		For Satin Face And Enameled Return, Add		123.71		
		For Color Anodized, Add		176.73		
		For Polished Or Patina Finish, Add		176.73		
		For Polished Anodized Finish, Add		265.09		
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	.....	669.04	40.68	
		For Installation With Adhesive, Deduct		-49.72		
		For Clear Anodized, Add		50.63		
		For Satin Face And Enameled Return, Add		177.21		
		For Color Anodized, Add		253.16		
		For Polished Or Patina Finish, Add		253.16		
		For Polished Anodized Finish, Add		379.74		
10 14 19 00-0079		1/2" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)				
10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	.....	82.99	8.48	
		For Installation With Adhesive, Deduct		-7.54		
		For Clear Anodized, Add		4.91		
		For Satin Face And Enameled Return, Add		17.18		
		For Color Anodized, Add		24.55		
		For Polished Or Patina Finish, Add		24.55		
		For Polished Anodized Finish, Add		36.82		
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	.....	106.66	9.83	
		For Installation With Adhesive, Deduct		-9.27		
		For Clear Anodized, Add		6.73		
		For Satin Face And Enameled Return, Add		23.57		
		For Color Anodized, Add		33.67		
		For Polished Or Patina Finish, Add		33.67		
		For Polished Anodized Finish, Add		50.51		
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	.....	133.57	11.86	
		For Installation With Adhesive, Deduct		-11.42		
		For Clear Anodized, Add		8.61		
		For Satin Face And Enameled Return, Add		30.14		
		For Color Anodized, Add		43.06		
		For Polished Or Patina Finish, Add		43.06		
		For Polished Anodized Finish, Add		64.58		
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	.....	157.53	13.56	
		For Installation With Adhesive, Deduct		-13.30		
		For Clear Anodized, Add		10.33		
		For Satin Face And Enameled Return, Add		36.15		
		For Color Anodized, Add		51.65		
		For Polished Or Patina Finish, Add		51.65		
		For Polished Anodized Finish, Add		77.47		

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	183.10		15.25
		For Installation With Adhesive, Deduct	-15.26		
		For Clear Anodized, Add	12.21		
		For Satin Face And Enameled Return, Add	42.73		
		For Color Anodized, Add	61.04		
		For Polished Or Patina Finish, Add	61.04		
		For Polished Anodized Finish, Add	91.56		
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	224.44		17.62
		For Installation With Adhesive, Deduct	-18.27		
		For Clear Anodized, Add	15.39		
		For Satin Face And Enameled Return, Add	53.87		
		For Color Anodized, Add	76.96		
		For Polished Or Patina Finish, Add	76.96		
		For Polished Anodized Finish, Add	115.44		
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	275.90		20.34
		For Installation With Adhesive, Deduct	-21.93		
		For Clear Anodized, Add	19.45		
		For Satin Face And Enameled Return, Add	68.09		
		For Color Anodized, Add	97.27		
		For Polished Or Patina Finish, Add	97.27		
		For Polished Anodized Finish, Add	145.91		
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	333.84		24.41
		For Installation With Adhesive, Deduct	-26.46		
		For Clear Anodized, Add	23.62		
		For Satin Face And Enameled Return, Add	82.67		
		For Color Anodized, Add	118.11		
		For Polished Or Patina Finish, Add	118.11		
		For Polished Anodized Finish, Add	177.16		
10 14 19 00-0088	EA	18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	403.50		27.12
		For Installation With Adhesive, Deduct	-31.02		
		For Clear Anodized, Add	29.50		
		For Satin Face And Enameled Return, Add	103.26		
		For Color Anodized, Add	147.51		
		For Polished Or Patina Finish, Add	147.51		
		For Polished Anodized Finish, Add	221.27		
10 14 19 00-0089	EA	20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	474.78		30.51
		For Installation With Adhesive, Deduct	-35.94		
		For Clear Anodized, Add	35.27		
		For Satin Face And Enameled Return, Add	123.46		
		For Color Anodized, Add	176.37		
		For Polished Or Patina Finish, Add	176.37		
		For Polished Anodized Finish, Add	264.56		
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	543.55		32.20
		For Installation With Adhesive, Deduct	-40.06		
		For Clear Anodized, Add	41.47		
		For Satin Face And Enameled Return, Add	145.16		
		For Color Anodized, Add	207.37		
		For Polished Or Patina Finish, Add	207.37		
		For Polished Anodized Finish, Add	311.05		
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	608.77		33.90
		For Installation With Adhesive, Deduct	-44.00		
		For Clear Anodized, Add	47.32		
		For Satin Face And Enameled Return, Add	165.61		
		For Color Anodized, Add	236.59		
		For Polished Or Patina Finish, Add	236.59		
		For Polished Anodized Finish, Add	354.88		
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	841.19		40.68
		For Installation With Adhesive, Deduct	-58.33		
		For Clear Anodized, Add	67.85		
		For Satin Face And Enameled Return, Add	237.46		
		For Color Anodized, Add	339.24		
		For Polished Or Patina Finish, Add	339.24		
		For Polished Anodized Finish, Add	508.85		
10 14 19 00-0093		3/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)			
10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	86.50		8.48
		For Installation With Adhesive, Deduct	-7.72		
		For Clear Anodized, Add	5.26		
		For Satin Face And Enameled Return, Add	18.41		
		For Color Anodized, Add	26.30		
		For Polished Or Patina Finish, Add	26.30		
		For Polished Anodized Finish, Add	39.45		
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	110.58		9.83
		For Installation With Adhesive, Deduct	-9.46		
		For Clear Anodized, Add	7.13		
		For Satin Face And Enameled Return, Add	24.94		
		For Color Anodized, Add	35.63		
		For Polished Or Patina Finish, Add	35.63		
		For Polished Anodized Finish, Add	53.45		
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	145.12		11.86
		For Installation With Adhesive, Deduct	-12.00		
		For Clear Anodized, Add	9.77		
		For Satin Face And Enameled Return, Add	34.18		
		For Color Anodized, Add	48.83		
		For Polished Or Patina Finish, Add	48.83		
		For Polished Anodized Finish, Add	73.25		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	191.28	13.56
		For Installation With Adhesive, Deduct	-14.99	
		For Clear Anodized, Add	13.70	
		For Satin Face And Enameled Return, Add	47.96	
		For Color Anodized, Add	68.52	
		For Polished Or Patina Finish, Add	68.52	
		For Polished Anodized Finish, Add	102.78	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	239.02	15.25
		For Installation With Adhesive, Deduct	-18.05	
		For Clear Anodized, Add	17.80	
		For Satin Face And Enameled Return, Add	62.30	
		For Color Anodized, Add	89.00	
		For Polished Or Patina Finish, Add	89.00	
		For Polished Anodized Finish, Add	133.50	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	299.15	17.62
		For Installation With Adhesive, Deduct	-22.01	
		For Clear Anodized, Add	22.86	
		For Satin Face And Enameled Return, Add	80.02	
		For Color Anodized, Add	114.32	
		For Polished Or Patina Finish, Add	114.32	
		For Polished Anodized Finish, Add	171.47	
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	372.10	20.34
		For Installation With Adhesive, Deduct	-26.74	
		For Clear Anodized, Add	29.07	
		For Satin Face And Enameled Return, Add	101.76	
		For Color Anodized, Add	145.37	
		For Polished Or Patina Finish, Add	145.37	
		For Polished Anodized Finish, Add	218.06	
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	459.48	24.41
		For Installation With Adhesive, Deduct	-32.74	
		For Clear Anodized, Add	36.19	
		For Satin Face And Enameled Return, Add	126.65	
		For Color Anodized, Add	180.93	
		For Polished Or Patina Finish, Add	180.93	
		For Polished Anodized Finish, Add	271.39	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	560.27	27.12
		For Installation With Adhesive, Deduct	-38.86	
		For Clear Anodized, Add	45.18	
		For Satin Face And Enameled Return, Add	158.13	
		For Color Anodized, Add	225.90	
		For Polished Or Patina Finish, Add	225.90	
		For Polished Anodized Finish, Add	338.84	
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	665.40	30.51
		For Installation With Adhesive, Deduct	-45.47	
		For Clear Anodized, Add	54.34	
		For Satin Face And Enameled Return, Add	190.18	
		For Color Anodized, Add	271.68	
		For Polished Or Patina Finish, Add	271.68	
		For Polished Anodized Finish, Add	407.52	
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	770.16	32.20
		For Installation With Adhesive, Deduct	-51.39	
		For Clear Anodized, Add	64.13	
		For Satin Face And Enameled Return, Add	224.47	
		For Color Anodized, Add	320.67	
		For Polished Or Patina Finish, Add	320.67	
		For Polished Anodized Finish, Add	481.01	
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	879.55	33.90
		For Installation With Adhesive, Deduct	-57.54	
		For Clear Anodized, Add	74.40	
		For Satin Face And Enameled Return, Add	260.38	
		For Color Anodized, Add	371.98	
		For Polished Or Patina Finish, Add	371.98	
		For Polished Anodized Finish, Add	557.96	
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,205.74	40.68
		For Installation With Adhesive, Deduct	-76.56	
		For Clear Anodized, Add	104.30	
		For Satin Face And Enameled Return, Add	365.06	
		For Color Anodized, Add	521.51	
		For Polished Or Patina Finish, Add	521.51	
		For Polished Anodized Finish, Add	782.27	
10 14 19 00-0107		1" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)		
10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	95.78	8.48
		For Installation With Adhesive, Deduct	-8.18	
		For Clear Anodized, Add	6.19	
		For Satin Face And Enameled Return, Add	21.66	
		For Color Anodized, Add	30.94	
		For Polished Or Patina Finish, Add	30.94	
		For Polished Anodized Finish, Add	46.41	
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	118.06	9.83
		For Installation With Adhesive, Deduct	-9.84	
		For Clear Anodized, Add	7.87	
		For Satin Face And Enameled Return, Add	27.56	
		For Color Anodized, Add	39.37	
		For Polished Or Patina Finish, Add	39.37	
		For Polished Anodized Finish, Add	59.06	

10 Specialties**10 10 Information Specialties****10 14 Signage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	154.57	11.86
		For Installation With Adhesive, Deduct	-12.47	
		For Clear Anodized, Add	10.71	
		For Satin Face And Enameled Return, Add	37.49	
		For Color Anodized, Add	53.56	
		For Polished Or Patina Finish, Add	53.56	
		For Polished Anodized Finish, Add	80.33	
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	210.19	13.56
		For Installation With Adhesive, Deduct	-15.93	
		For Clear Anodized, Add	15.60	
		For Satin Face And Enameled Return, Add	54.58	
		For Color Anodized, Add	77.98	
		For Polished Or Patina Finish, Add	77.98	
		For Polished Anodized Finish, Add	116.96	
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	283.91	15.25
		For Installation With Adhesive, Deduct	-20.30	
		For Clear Anodized, Add	22.29	
		For Satin Face And Enameled Return, Add	78.01	
		For Color Anodized, Add	111.45	
		For Polished Or Patina Finish, Add	111.45	
		For Polished Anodized Finish, Add	167.17	
10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	370.26	17.62
		For Installation With Adhesive, Deduct	-25.57	
		For Clear Anodized, Add	29.97	
		For Satin Face And Enameled Return, Add	104.91	
		For Color Anodized, Add	149.87	
		For Polished Or Patina Finish, Add	149.87	
		For Polished Anodized Finish, Add	224.81	
10 14 19 00-0114	EA	14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	467.23	20.34
		For Installation With Adhesive, Deduct	-31.50	
		For Clear Anodized, Add	38.59	
		For Satin Face And Enameled Return, Add	135.05	
		For Color Anodized, Add	192.94	
		For Polished Or Patina Finish, Add	192.94	
		For Polished Anodized Finish, Add	289.40	
10 14 19 00-0115	EA	16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	580.10	24.41
		For Installation With Adhesive, Deduct	-38.77	
		For Clear Anodized, Add	48.25	
		For Satin Face And Enameled Return, Add	168.86	
		For Color Anodized, Add	241.24	
		For Polished Or Patina Finish, Add	241.24	
		For Polished Anodized Finish, Add	361.85	
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	701.36	27.12
		For Installation With Adhesive, Deduct	-45.92	
		For Clear Anodized, Add	59.29	
		For Satin Face And Enameled Return, Add	207.51	
		For Color Anodized, Add	296.44	
		For Polished Or Patina Finish, Add	296.44	
		For Polished Anodized Finish, Add	444.66	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	861.36	30.51
		For Installation With Adhesive, Deduct	-55.27	
		For Clear Anodized, Add	73.93	
		For Satin Face And Enameled Return, Add	258.76	
		For Color Anodized, Add	369.66	
		For Polished Or Patina Finish, Add	369.66	
		For Polished Anodized Finish, Add	554.49	
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,024.56	32.20
		For Installation With Adhesive, Deduct	-64.11	
		For Clear Anodized, Add	89.57	
		For Satin Face And Enameled Return, Add	313.51	
		For Color Anodized, Add	447.87	
		For Polished Or Patina Finish, Add	447.87	
		For Polished Anodized Finish, Add	671.81	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,207.35	33.90
		For Installation With Adhesive, Deduct	-73.93	
		For Clear Anodized, Add	107.18	
		For Satin Face And Enameled Return, Add	375.11	
		For Color Anodized, Add	535.88	
		For Polished Or Patina Finish, Add	535.88	
		For Polished Anodized Finish, Add	803.81	
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,701.93	40.68
		For Installation With Adhesive, Deduct	-101.37	
		For Clear Anodized, Add	153.92	
		For Satin Face And Enameled Return, Add	538.72	
		For Color Anodized, Add	769.61	
		For Polished Or Patina Finish, Add	769.61	
		For Polished Anodized Finish, Add	1,154.41	

10 14 19 00-0121 Satin Finish, Brass Characters (10 14 19 00-0049)

10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)

10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	70.35	8.48
		For Installation With Adhesive, Deduct	-6.91	
		For Oxidized Finish, Add	5.47	
		For Polished Finish, Add	10.94	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	90.05	9.83
		For Installation With Adhesive, Deduct	-8.43	
		For Oxidized Finish, Add	7.61	
		For Polished Finish, Add	15.22	

			Specialties	10	10
			Information Specialties	10 10	
			Signage	10 14	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 14 19 00-0125	EA	6"	High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	122.97 -10.89 11.33 22.65	11.86
10 14 19 00-0126	EA	8"	High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	159.70 -13.41 15.82 31.64	13.56
10 14 19 00-0127	EA	10"	High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	202.93 -16.25 21.29 42.57	15.25
10 14 19 00-0128	EA	12"	High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	255.40 -19.82 27.73 55.46	17.62
10 14 19 00-0129	EA	14"	High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	318.31 -24.05 35.54 71.09	20.34
10 14 19 00-0130	EA	16"	High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	387.96 -29.16 43.55 87.10	24.41
10 14 19 00-0131	EA	18"	High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	469.30 -34.31 54.12 108.25	27.12
10 14 19 00-0132	EA	20"	High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	556.89 -40.05 65.23 130.46	30.51
10 14 19 00-0133	EA	22"	High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	680.84 -46.92 82.80 165.61	32.20
10 14 19 00-0134	EA	24"	High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	745.65 -50.84 91.51 183.02	33.90
10 14 19 00-0135	EA	30"	High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	1,113.94 -71.97 142.68 285.37	40.68
10 14 19 00-0136	3/8" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)				
10 14 19 00-0137	EA	2"	High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	83.11 -7.55 7.38 14.76	8.48
10 14 19 00-0138	EA	4"	High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	107.80 -9.32 10.27 20.54	9.83
10 14 19 00-0139	EA	6"	High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	153.18 -12.41 15.86 31.72	11.86
10 14 19 00-0140	EA	8"	High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	201.88 -15.52 22.15 44.29	13.56
10 14 19 00-0141	EA	10"	High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	266.79 -19.44 30.87 61.73	15.25
10 14 19 00-0142	EA	12"	High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	338.59 -23.98 40.21 80.42	17.62
10 14 19 00-0143	EA	14"	High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	424.94 -29.38 51.54 103.07	20.34
10 14 19 00-0144	EA	16"	High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	504.10 -34.97 60.97 121.94	24.41
10 14 19 00-0145	EA	18"	High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	631.67 -42.43 78.48 156.96	27.12
10 14 19 00-0146	EA	20"	High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	730.83 -48.75 91.32 182.64	30.51

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 14 19 00-0147	EA 22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	896.13 -57.69 115.10 230.19		32.20
10 14 19 00-0148	EA 24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	1,020.18 -64.57 132.69 265.37		33.90
10 14 19 00-0149	EA 30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	1,408.82 -86.71 186.92 373.83		40.68
10 14 19 00-0150	1/2" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)			
10 14 19 00-0151	EA 2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	103.16 -8.55 10.39 20.78		8.48
10 14 19 00-0152	EA 4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	133.16 -10.59 14.08 28.15		9.83
10 14 19 00-0153	EA 6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	190.93 -14.29 21.52 43.04		11.86
10 14 19 00-0154	EA 8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	259.88 -18.42 30.85 61.69		13.56
10 14 19 00-0155	EA 10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	359.03 -24.05 44.70 89.40		15.25
10 14 19 00-0156	EA 12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	477.25 -30.91 61.01 122.02		17.62
10 14 19 00-0157	EA 14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	590.81 -37.68 76.42 152.84		20.34
10 14 19 00-0158	EA 16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	704.43 -44.98 91.02 182.04		24.41
10 14 19 00-0159	EA 18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	956.42 -58.67 127.19 254.38		27.12
10 14 19 00-0160	EA 20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	1,078.71 -66.14 143.50 287.00		30.51
10 14 19 00-0161	EA 22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	1,343.27 -80.05 182.17 364.34		32.20
10 14 19 00-0162	EA 24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	1,569.22 -92.02 215.04 430.09		33.90
10 14 19 00-0163	EA 30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	2,360.05 -134.27 329.60 659.20		40.68
10 14 19 00-0164	3/4" Deep, Satin Finish, Brass Characters (10 14 19 00-0121)			
10 14 19 00-0165	EA 2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	125.04 -9.64 13.67 27.34		8.48
10 14 19 00-0166	EA 4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	173.74 -12.62 20.16 40.33		9.83
10 14 19 00-0167	EA 6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	236.24 -16.56 28.32 56.63		11.86
10 14 19 00-0168	EA 8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	317.88 -21.32 39.55 79.09		13.56
10 14 19 00-0169	EA 10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs For Installation With Adhesive, Deduct For Oxidized Finish, Add For Polished Finish, Add	429.99 -27.60 55.35 110.69		15.25

		Specialties	10	10
		Information	Specialties	
		Signage	10 14	
MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
CSI UOM		UNIT COST	UNIT COST	

10 14 19 00-0170	EA 12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	588.17	17.62
	For Installation With Adhesive, Deduct	-36.46	
	For Oxidized Finish, Add	77.65	
	For Polished Finish, Add	155.30	
10 14 19 00-0171	EA 14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	732.98	20.34
	For Installation With Adhesive, Deduct	-44.79	
	For Oxidized Finish, Add	97.74	
	For Polished Finish, Add	195.49	
10 14 19 00-0172	EA 16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	855.40	24.41
	For Installation With Adhesive, Deduct	-52.53	
	For Oxidized Finish, Add	113.67	
	For Polished Finish, Add	227.33	
10 14 19 00-0173	EA 18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,136.83	27.12
	For Installation With Adhesive, Deduct	-67.69	
	For Oxidized Finish, Add	154.25	
	For Polished Finish, Add	308.51	
10 14 19 00-0174	EA 20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,243.95	30.51
	For Installation With Adhesive, Deduct	-74.40	
	For Oxidized Finish, Add	168.29	
	For Polished Finish, Add	336.57	
10 14 19 00-0175	EA 22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,575.12	32.20
	For Installation With Adhesive, Deduct	-91.64	
	For Oxidized Finish, Add	216.95	
	For Polished Finish, Add	433.89	
10 14 19 00-0176	EA 24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,996.26	33.90
	For Installation With Adhesive, Deduct	-113.37	
	For Oxidized Finish, Add	279.10	
	For Polished Finish, Add	558.20	
10 14 19 00-0177	EA 30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	3,006.88	40.68
	For Installation With Adhesive, Deduct	-166.62	
	For Oxidized Finish, Add	426.62	
	For Polished Finish, Add	853.25	
10 14 19 00-0178	Satin Finish, Bronze Characters (10 14 19 00-0049)		
10 14 19 00-0179	1/4" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)		
10 14 19 00-0180	EA 2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	77.62	8.48
	For Installation With Adhesive, Deduct	-7.27	
	For Oxidized Finish, Add	6.56	
	For Polished Or Patina Finish, Add	13.12	
10 14 19 00-0181	EA 4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	100.22	9.83
	For Installation With Adhesive, Deduct	-8.94	
	For Oxidized Finish, Add	9.14	
	For Polished Or Patina Finish, Add	18.27	
10 14 19 00-0182	EA 6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	138.03	11.86
	For Installation With Adhesive, Deduct	-11.65	
	For Oxidized Finish, Add	13.59	
	For Polished Or Patina Finish, Add	27.17	
10 14 19 00-0183	EA 8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	180.72	13.56
	For Installation With Adhesive, Deduct	-14.46	
	For Oxidized Finish, Add	18.97	
	For Polished Or Patina Finish, Add	37.94	
10 14 19 00-0184	EA 10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	231.22	15.25
	For Installation With Adhesive, Deduct	-17.66	
	For Oxidized Finish, Add	25.53	
	For Polished Or Patina Finish, Add	51.06	
10 14 19 00-0185	EA 12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	292.25	17.62
	For Installation With Adhesive, Deduct	-21.66	
	For Oxidized Finish, Add	33.26	
	For Polished Or Patina Finish, Add	66.52	
10 14 19 00-0186	EA 14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	365.55	20.34
	For Installation With Adhesive, Deduct	-26.41	
	For Oxidized Finish, Add	42.63	
	For Polished Or Patina Finish, Add	85.26	
10 14 19 00-0187	EA 16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	453.65	24.41
	For Installation With Adhesive, Deduct	-32.45	
	For Oxidized Finish, Add	53.40	
	For Polished Or Patina Finish, Add	106.81	
10 14 19 00-0188	EA 18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	542.57	27.12
	For Installation With Adhesive, Deduct	-37.98	
	For Oxidized Finish, Add	65.11	
	For Polished Or Patina Finish, Add	130.23	
10 14 19 00-0189	EA 20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	643.57	30.51
	For Installation With Adhesive, Deduct	-44.38	
	For Oxidized Finish, Add	78.23	
	For Polished Or Patina Finish, Add	156.46	
10 14 19 00-0190	EA 22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	750.29	32.20
	For Installation With Adhesive, Deduct	-50.40	
	For Oxidized Finish, Add	93.22	
	For Polished Or Patina Finish, Add	186.44	
10 14 19 00-0191	EA 24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	867.93	33.90
	For Installation With Adhesive, Deduct	-56.96	
	For Oxidized Finish, Add	109.85	
	For Polished Or Patina Finish, Add	219.70	
10 14 19 00-0192	EA 30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,315.09	40.68
	For Installation With Adhesive, Deduct	-82.03	
	For Oxidized Finish, Add	172.86	
	For Polished Or Patina Finish, Add	345.71	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 14 19 00-0193	3/8" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)			
10 14 19 00-0194	EA 2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	91.61		8.48
	For Installation With Adhesive, Deduct	-7.97		
	For Oxidized Finish, Add	8.66		
	For Polished Or Patina Finish, Add	17.31		
10 14 19 00-0195	EA 4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	119.10		9.83
	For Installation With Adhesive, Deduct	-9.89		
	For Oxidized Finish, Add	11.97		
	For Polished Or Patina Finish, Add	23.93		
10 14 19 00-0196	EA 6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	172.44		11.86
	For Installation With Adhesive, Deduct	-13.37		
	For Oxidized Finish, Add	18.75		
	For Polished Or Patina Finish, Add	37.49		
10 14 19 00-0197	EA 8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	227.52		13.56
	For Installation With Adhesive, Deduct	-16.80		
	For Oxidized Finish, Add	25.99		
	For Polished Or Patina Finish, Add	51.98		
10 14 19 00-0198	EA 10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	307.81		15.25
	For Installation With Adhesive, Deduct	-21.49		
	For Oxidized Finish, Add	37.02		
	For Polished Or Patina Finish, Add	74.04		
10 14 19 00-0199	EA 12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	389.81		17.62
	For Installation With Adhesive, Deduct	-26.54		
	For Oxidized Finish, Add	47.89		
	For Polished Or Patina Finish, Add	95.79		
10 14 19 00-0200	EA 14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	487.75		20.34
	For Installation With Adhesive, Deduct	-32.52		
	For Oxidized Finish, Add	60.96		
	For Polished Or Patina Finish, Add	121.92		
10 14 19 00-0201	EA 16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	603.17		24.41
	For Installation With Adhesive, Deduct	-39.92		
	For Oxidized Finish, Add	75.83		
	For Polished Or Patina Finish, Add	151.66		
10 14 19 00-0202	EA 18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	729.23		27.12
	For Installation With Adhesive, Deduct	-47.31		
	For Oxidized Finish, Add	93.11		
	For Polished Or Patina Finish, Add	186.23		
10 14 19 00-0203	EA 20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	867.83		30.51
	For Installation With Adhesive, Deduct	-55.60		
	For Oxidized Finish, Add	111.87		
	For Polished Or Patina Finish, Add	223.74		
10 14 19 00-0204	EA 22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,017.52		32.20
	For Installation With Adhesive, Deduct	-63.76		
	For Oxidized Finish, Add	133.31		
	For Polished Or Patina Finish, Add	266.61		
10 14 19 00-0205	EA 24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,153.54		33.90
	For Installation With Adhesive, Deduct	-71.24		
	For Oxidized Finish, Add	152.69		
	For Polished Or Patina Finish, Add	305.38		
10 14 19 00-0206	EA 30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,580.13		40.68
	For Installation With Adhesive, Deduct	-95.28		
	For Oxidized Finish, Add	212.61		
	For Polished Or Patina Finish, Add	425.22		
10 14 19 00-0207	1/2" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)			
10 14 19 00-0208	EA 2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	94.67		8.48
	For Installation With Adhesive, Deduct	-8.12		
	For Oxidized Finish, Add	9.12		
	For Polished Or Patina Finish, Add	18.23		
10 14 19 00-0209	EA 4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	141.02		9.83
	For Installation With Adhesive, Deduct	-10.98		
	For Oxidized Finish, Add	15.26		
	For Polished Or Patina Finish, Add	30.51		
10 14 19 00-0210	EA 6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	200.52		11.86
	For Installation With Adhesive, Deduct	-14.77		
	For Oxidized Finish, Add	22.96		
	For Polished Or Patina Finish, Add	45.92		
10 14 19 00-0211	EA 8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	275.58		13.56
	For Installation With Adhesive, Deduct	-19.20		
	For Oxidized Finish, Add	33.20		
	For Polished Or Patina Finish, Add	66.40		
10 14 19 00-0212	EA 10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	375.89		15.25
	For Installation With Adhesive, Deduct	-24.90		
	For Oxidized Finish, Add	47.23		
	For Polished Or Patina Finish, Add	94.46		
10 14 19 00-0213	EA 12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	511.76		17.62
	For Installation With Adhesive, Deduct	-32.64		
	For Oxidized Finish, Add	66.19		
	For Polished Or Patina Finish, Add	132.37		
10 14 19 00-0214	EA 14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	663.94		20.34
	For Installation With Adhesive, Deduct	-41.33		
	For Oxidized Finish, Add	87.39		
	For Polished Or Patina Finish, Add	174.77		
10 14 19 00-0215	EA 16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	831.02		24.41
	For Installation With Adhesive, Deduct	-51.31		
	For Oxidized Finish, Add	110.01		
	For Polished Or Patina Finish, Add	220.02		

			Specialties	10
			Information Specialties	10 10
			Signage	10 14
MINOR	CSI	UOM	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 14 19 00-0216	EA	18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,020.07	27.12
		For Installation With Adhesive, Deduct	-61.85	
		For Oxidized Finish, Add	136.74	
		For Polished Or Patina Finish, Add	273.48	
10 14 19 00-0217	EA	20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,222.47	30.51
		For Installation With Adhesive, Deduct	-73.33	
		For Oxidized Finish, Add	165.06	
		For Polished Or Patina Finish, Add	330.13	
10 14 19 00-0218	EA	22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,446.33	32.20
		For Installation With Adhesive, Deduct	-85.20	
		For Oxidized Finish, Add	197.63	
		For Polished Or Patina Finish, Add	395.25	
10 14 19 00-0219	EA	24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,680.82	33.90
		For Installation With Adhesive, Deduct	-97.60	
		For Oxidized Finish, Add	231.78	
		For Polished Or Patina Finish, Add	463.57	
10 14 19 00-0220	EA	30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	2,352.21	40.68
		For Installation With Adhesive, Deduct	-133.88	
		For Oxidized Finish, Add	328.42	
		For Polished Or Patina Finish, Add	656.85	
10 14 19 00-0221		Satin Finish, Copper Characters (10 14 19 00-0049)		
10 14 19 00-0222		1/4" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)		
10 14 19 00-0223	EA	2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	70.35	8.48
		For Installation With Adhesive, Deduct	-6.91	
		For Polished Finish, Add	10.94	
10 14 19 00-0224	EA	4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	91.40	9.83
		For Installation With Adhesive, Deduct	-8.50	
		For Polished Finish, Add	15.62	
10 14 19 00-0225	EA	6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	128.18	11.86
		For Installation With Adhesive, Deduct	-11.16	
		For Polished Finish, Add	24.22	
10 14 19 00-0226	EA	8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	168.81	13.56
		For Installation With Adhesive, Deduct	-13.86	
		For Polished Finish, Add	34.37	
10 14 19 00-0227	EA	10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	213.35	15.25
		For Installation With Adhesive, Deduct	-16.77	
		For Polished Finish, Add	45.70	
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	271.02	17.62
		For Installation With Adhesive, Deduct	-20.60	
		For Polished Finish, Add	60.15	
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	339.14	20.34
		For Installation With Adhesive, Deduct	-25.09	
		For Polished Finish, Add	77.33	
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	417.91	24.41
		For Installation With Adhesive, Deduct	-30.66	
		For Polished Finish, Add	96.08	
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	500.36	27.12
		For Installation With Adhesive, Deduct	-35.87	
		For Polished Finish, Add	117.56	
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	592.04	30.51
		For Installation With Adhesive, Deduct	-41.81	
		For Polished Finish, Add	141.00	
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	689.97	32.20
		For Installation With Adhesive, Deduct	-47.38	
		For Polished Finish, Add	168.35	
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	795.68	33.90
		For Installation With Adhesive, Deduct	-53.34	
		For Polished Finish, Add	198.02	
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,139.80	40.68
		For Installation With Adhesive, Deduct	-73.26	
		For Polished Finish, Add	293.12	
10 14 19 00-0236		3/8" Deep, Satin Finish, Copper Characters (10 14 19 00-0221)		
10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	79.47	8.48
		For Installation With Adhesive, Deduct	-7.36	
		For Polished Finish, Add	13.67	
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	107.02	9.83
		For Installation With Adhesive, Deduct	-9.28	
		For Polished Finish, Add	20.31	
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	156.43	11.86
		For Installation With Adhesive, Deduct	-12.57	
		For Polished Finish, Add	32.69	
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	214.64	13.56
		For Installation With Adhesive, Deduct	-16.16	
		For Polished Finish, Add	48.12	
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	289.51	15.25
		For Installation With Adhesive, Deduct	-20.58	
		For Polished Finish, Add	68.55	
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	361.24	17.62
		For Installation With Adhesive, Deduct	-25.11	
		For Polished Finish, Add	87.22	
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	455.15	20.34
		For Installation With Adhesive, Deduct	-30.89	
		For Polished Finish, Add	112.14	

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 14 19 00-0244	EA 16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	562.03		24.41
	For Installation With Adhesive, Deduct	-37.86		
	For Polished Finish, Add	139.32		
10 14 19 00-0245	EA 18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	676.71		27.12
	For Installation With Adhesive, Deduct	-44.68		
	For Polished Finish, Add	170.47		
10 14 19 00-0246	EA 20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	803.54		30.51
	For Installation With Adhesive, Deduct	-52.38		
	For Polished Finish, Add	204.45		
10 14 19 00-0247	EA 22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	942.49		32.20
	For Installation With Adhesive, Deduct	-60.01		
	For Polished Finish, Add	244.10		
10 14 19 00-0248	EA 24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,059.72		33.90
	For Installation With Adhesive, Deduct	-66.55		
	For Polished Finish, Add	277.24		
10 14 19 00-0249	EA 30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,481.77		40.68
	For Installation With Adhesive, Deduct	-90.36		
	For Polished Finish, Add	395.72		
10 14 19 00-0250	Satin Finish, Stainless Steel Characters (10 14 19 00-0049)			
10 14 19 00-0251	1/4" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)			
10 14 19 00-0252	EA 2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	67.46		8.48
	For Installation With Adhesive, Deduct	-6.76		
	For Polished Finish, Add	10.07		
10 14 19 00-0253	EA 4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	87.98		9.83
	For Installation With Adhesive, Deduct	-8.33		
	For Polished Finish, Add	14.60		
10 14 19 00-0254	EA 6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	112.89		11.86
	For Installation With Adhesive, Deduct	-10.39		
	For Polished Finish, Add	19.63		
10 14 19 00-0255	EA 8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	144.84		13.56
	For Installation With Adhesive, Deduct	-12.67		
	For Polished Finish, Add	27.18		
10 14 19 00-0256	EA 10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	176.79		15.25
	For Installation With Adhesive, Deduct	-14.94		
	For Polished Finish, Add	34.73		
10 14 19 00-0257	EA 12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	216.49		17.62
	For Installation With Adhesive, Deduct	-17.88		
	For Polished Finish, Add	43.79		
10 14 19 00-0258	EA 14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	259.21		20.34
	For Installation With Adhesive, Deduct	-21.10		
	For Polished Finish, Add	53.36		
10 14 19 00-0259	EA 16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	310.71		24.41
	For Installation With Adhesive, Deduct	-25.30		
	For Polished Finish, Add	63.92		
10 14 19 00-0260	EA 18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	361.83		27.12
	For Installation With Adhesive, Deduct	-28.94		
	For Polished Finish, Add	76.01		
10 14 19 00-0261	EA 20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	422.37		30.51
	For Installation With Adhesive, Deduct	-33.32		
	For Polished Finish, Add	90.10		
10 14 19 00-0262	EA 22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	489.55		32.20
	For Installation With Adhesive, Deduct	-37.36		
	For Polished Finish, Add	108.22		
10 14 19 00-0263	EA 24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	558.41		33.90
	For Installation With Adhesive, Deduct	-41.48		
	For Polished Finish, Add	126.84		
10 14 19 00-0264	EA 30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	763.37		40.68
	For Installation With Adhesive, Deduct	-54.44		
	For Polished Finish, Add	180.20		
10 14 19 00-0265	3/8" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)			
10 14 19 00-0266	EA 2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	79.20		8.48
	For Installation With Adhesive, Deduct	-7.35		
	For Polished Finish, Add	13.59		
10 14 19 00-0267	EA 4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	105.01		9.83
	For Installation With Adhesive, Deduct	-9.18		
	For Polished Finish, Add	19.71		
10 14 19 00-0268	EA 6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	134.49		11.86
	For Installation With Adhesive, Deduct	-11.47		
	For Polished Finish, Add	26.11		
10 14 19 00-0269	EA 8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	171.12		13.56
	For Installation With Adhesive, Deduct	-13.98		
	For Polished Finish, Add	35.06		
10 14 19 00-0270	EA 10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	210.36		15.25
	For Installation With Adhesive, Deduct	-16.62		
	For Polished Finish, Add	44.80		
10 14 19 00-0271	EA 12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	258.82		17.62
	For Installation With Adhesive, Deduct	-19.99		
	For Polished Finish, Add	56.49		
10 14 19 00-0272	EA 14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	310.78		20.34
	For Installation With Adhesive, Deduct	-23.68		
	For Polished Finish, Add	68.83		
10 14 19 00-0273	EA 16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	372.50		24.41
	For Installation With Adhesive, Deduct	-28.39		
	For Polished Finish, Add	82.46		

			Specialties	10	10
			Information Specialties	10 10	
			Signage	10 14	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
10 14 19 00-0274	EA	18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	432.77	27.12	
		For Installation With Adhesive, Deduct	-32.49		
		For Polished Finish, Add	97.29		
10 14 19 00-0275	EA	20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	506.46	30.51	
		For Installation With Adhesive, Deduct	-37.53		
		For Polished Finish, Add	115.33		
10 14 19 00-0276	EA	22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	568.91	32.20	
		For Installation With Adhesive, Deduct	-41.33		
		For Polished Finish, Add	132.03		
10 14 19 00-0277	EA	24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	651.42	33.90	
		For Installation With Adhesive, Deduct	-46.13		
		For Polished Finish, Add	154.75		
10 14 19 00-0278	EA	30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	895.52	40.68	
		For Installation With Adhesive, Deduct	-61.05		
		For Polished Finish, Add	219.84		
10 14 19 00-0279		1/2" Deep, Satin Finish, Stainless Steel Characters (10 14 19 00-0250)			
10 14 19 00-0280	EA	2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	94.30	8.48	
		For Installation With Adhesive, Deduct	-8.11		
		For Polished Finish, Add	18.12		
10 14 19 00-0281	EA	4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	126.90	9.83	
		For Installation With Adhesive, Deduct	-10.28		
		For Polished Finish, Add	26.27		
10 14 19 00-0282	EA	6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	163.28	11.86	
		For Installation With Adhesive, Deduct	-12.91		
		For Polished Finish, Add	34.75		
10 14 19 00-0283	EA	8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	213.70	13.56	
		For Installation With Adhesive, Deduct	-16.11		
		For Polished Finish, Add	47.84		
10 14 19 00-0284	EA	10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	264.77	15.25	
		For Installation With Adhesive, Deduct	-19.34		
		For Polished Finish, Add	61.13		
10 14 19 00-0285	EA	12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	327.42	17.62	
		For Installation With Adhesive, Deduct	-23.42		
		For Polished Finish, Add	77.07		
10 14 19 00-0286	EA	14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	394.37	20.34	
		For Installation With Adhesive, Deduct	-27.85		
		For Polished Finish, Add	93.90		
10 14 19 00-0287	EA	16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	472.65	24.41	
		For Installation With Adhesive, Deduct	-33.40		
		For Polished Finish, Add	112.51		
10 14 19 00-0288	EA	18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	561.97	27.12	
		For Installation With Adhesive, Deduct	-38.95		
		For Polished Finish, Add	136.05		
10 14 19 00-0289	EA	20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	659.62	30.51	
		For Installation With Adhesive, Deduct	-45.19		
		For Polished Finish, Add	161.27		
10 14 19 00-0290	EA	22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	738.45	32.20	
		For Installation With Adhesive, Deduct	-49.80		
		For Polished Finish, Add	182.89		
10 14 19 00-0291	EA	24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	850.14	33.90	
		For Installation With Adhesive, Deduct	-56.07		
		For Polished Finish, Add	214.36		
10 14 19 00-0292	EA	30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	1,177.82	40.68	
		For Installation With Adhesive, Deduct	-75.16		
		For Polished Finish, Add	304.53		
10 14 23		Panel Signage (10 14)			
10 14 23 11		Panel Signage (10 14 23)			
10 14 23 11-0001		Indoor/Outdoor Signs (10 14 23 11)			
		Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.			
10 14 23 11-0002		Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0001)			
10 14 23 11-0003		Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)			
		Note: Multi-color with words, symbols and graphics.			
10 14 23 11-0004	EA	Up To 25 Sq, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	41.10	11.55	
		For >25 To 50, Deduct	-1.80		
		For >50 To 100, Deduct	-4.50		
		For >100, Deduct	-5.40		
		For Clear Glass Mount, Add	14.40		
		For Glow-In-Dark, Add	36.00		
		For Reflective Finish, Add	40.50		
10 14 23 11-0005	EA	>25 To 50 Sq, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	53.96	11.55	
		For >25 To 50, Deduct	-3.09		
		For >50 To 100, Deduct	-7.72		
		For >100, Deduct	-9.26		
		For Clear Glass Mount, Add	24.69		
		For Glow-In-Dark, Add	61.72		
		For Reflective Finish, Add	69.44		

10 Specialties**10 10 Information Specialties****10 14 Signage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 14 23 11-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	74.52	11.55
		For >25 To 50, Deduct	-5.14	
		For >50 To 100, Deduct	-12.86	
		For >100, Deduct	-15.43	
		For Clear Glass Mount, Add	41.14	
		For Glow-In-Dark, Add	102.84	
		For Reflective Finish, Add	115.70	
10 14 23 11-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	100.24	11.55
		For >25 To 50, Deduct	-7.71	
		For >50 To 100, Deduct	-19.29	
		For >100, Deduct	-23.14	
		For Clear Glass Mount, Add	61.71	
		For Glow-In-Dark, Add	154.28	
		For Reflective Finish, Add	173.57	
10 14 23 11-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	146.52	11.55
		For >25 To 50, Deduct	-12.34	
		For >50 To 100, Deduct	-30.86	
		For >100, Deduct	-37.03	
		For Clear Glass Mount, Add	98.74	
		For Glow-In-Dark, Add	246.84	
		For Reflective Finish, Add	277.70	
10 14 23 11-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	228.80	11.55
		For >25 To 50, Deduct	-20.57	
		For >50 To 100, Deduct	-51.43	
		For >100, Deduct	-61.71	
		For Clear Glass Mount, Add	164.56	
		For Glow-In-Dark, Add	411.40	
		For Reflective Finish, Add	462.83	
10 14 23 11-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	331.65	11.55
		For >25 To 50, Deduct	-30.86	
		For >50 To 100, Deduct	-77.14	
		For >100, Deduct	-92.57	
		For Clear Glass Mount, Add	246.84	
		For Glow-In-Dark, Add	617.10	
		For Reflective Finish, Add	694.24	
10 14 23 11-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.36	0.01
		For Clear Glass Mount, Add	0.27	
		For Glow-In-Dark, Add	0.68	
		For Reflective Finish, Add	0.77	

10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

(10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	46.24	11.55
		For >25 To 50, Deduct	-2.31	
		For >50 To 100, Deduct	-5.79	
		For >100, Deduct	-6.94	
		For Glow-In-Dark, Add	46.28	
		For Reflective Finish, Add	49.75	
10 14 23 11-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	59.10	11.55
		For >25 To 50, Deduct	-3.60	
		For >50 To 100, Deduct	-9.00	
		For >100, Deduct	-10.80	
		For Glow-In-Dark, Add	72.00	
		For Reflective Finish, Add	77.40	
10 14 23 11-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	84.81	11.55
		For >25 To 50, Deduct	-6.17	
		For >50 To 100, Deduct	-15.43	
		For >100, Deduct	-18.51	
		For Glow-In-Dark, Add	123.42	
		For Reflective Finish, Add	132.68	
10 14 23 11-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	110.52	11.55
		For >25 To 50, Deduct	-8.74	
		For >50 To 100, Deduct	-21.86	
		For >100, Deduct	-26.23	
		For Glow-In-Dark, Add	174.84	
		For Reflective Finish, Add	187.95	
10 14 23 11-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	149.09	11.55
		For >25 To 50, Deduct	-12.60	
		For >50 To 100, Deduct	-31.50	
		For >100, Deduct	-37.80	
		For Glow-In-Dark, Add	251.98	
		For Reflective Finish, Add	270.88	
10 14 23 11-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	187.66	11.55
		For >25 To 50, Deduct	-16.46	
		For >50 To 100, Deduct	-41.14	
		For >100, Deduct	-49.37	
		For Glow-In-Dark, Add	329.12	
		For Reflective Finish, Add	353.80	
10 14 23 11-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	228.80	11.55
		For >25 To 50, Deduct	-20.57	
		For >50 To 100, Deduct	-51.43	
		For >100, Deduct	-61.71	
		For Glow-In-Dark, Add	411.40	
		For Reflective Finish, Add	442.26	
10 14 23 11-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.25	0.01
		For Glow-In-Dark, Add	0.46	
		For Reflective Finish, Add	0.49	

		Specialties	10	10
		Information Specialties	10 10	
		Signage	10 14	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

10 14 23 11-0021		Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille (10 14 23 11-0002)		
		Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0022	EA Up To 25 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	84.81		11.55
	For >25 To 50, Deduct	-6.17		
	For >50 To 100, Deduct	-15.43		
	For >100, Deduct	-18.51		
	For Molded Plastic Frame, Add	15.00		
	For Brushed Metal Finish/Faux Metal Finish, Add	23.00		
	For 2" Height Slider Channel For Custom Inserts, Add	35.00		
10 14 23 11-0023	EA >25 To 50 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	100.24		11.55
	For >25 To 50, Deduct	-7.71		
	For >50 To 100, Deduct	-19.29		
	For >100, Deduct	-23.14		
	For Molded Plastic Frame, Add	17.00		
	For Brushed Metal Finish/Faux Metal Finish, Add	28.00		
	For 2" Height Slider Channel For Custom Inserts, Add	35.00		
10 14 23 11-0024	EA >50 To 75 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	125.95		11.55
	For >25 To 50, Deduct	-10.29		
	For >50 To 100, Deduct	-25.71		
	For >100, Deduct	-30.86		
	For Molded Plastic Frame, Add	19.00		
	For Brushed Metal Finish/Faux Metal Finish, Add	31.00		
10 14 23 11-0025	EA >75 To 100 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	150.12		11.55
	For >25 To 50, Deduct	-12.70		
	For >50 To 100, Deduct	-31.76		
	For >100, Deduct	-38.11		
	For Molded Plastic Frame, Add	21.00		
	For Brushed Metal Finish/Faux Metal Finish, Add	35.00		
10 14 23 11-0026	SI >100 Sl, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	1.67		0.12
	For Molded Plastic Frame, Add	0.20		
	For Brushed Metal Finish/Faux Metal Finish, Add	0.31		
10 14 23 11-0027		Engraved Steel, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)		
		Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0028	EA Up To 25 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	58.87		11.55
	For >25 To 50, Deduct	-3.58		
	For >50 To 100, Deduct	-8.94		
	For >100, Deduct	-10.73		
	For Molded Plastic Frame, Add	15.00		
10 14 23 11-0029	EA >25 To 50 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	70.16		11.55
	For >25 To 50, Deduct	-4.71		
	For >50 To 100, Deduct	-11.77		
	For >100, Deduct	-14.12		
	For Molded Plastic Frame, Add	17.00		
10 14 23 11-0030	EA >50 To 75 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	85.22		11.55
	For >25 To 50, Deduct	-6.21		
	For >50 To 100, Deduct	-15.53		
	For >100, Deduct	-18.64		
	For Molded Plastic Frame, Add	19.00		
10 14 23 11-0031	EA >75 To 100 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	115.34		11.55
	For >25 To 50, Deduct	-9.22		
	For >50 To 100, Deduct	-23.06		
	For >100, Deduct	-27.67		
	For Molded Plastic Frame, Add	21.00		
10 14 23 11-0032	SI >100 Sl, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	1.15		0.12
	For Molded Plastic Frame, Add	0.20		
10 14 23 11-0033		Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)		
		Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0034	EA Up To 25 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	30.63		11.55
	For >25 To 50, Deduct	-0.75		
	For >50 To 100, Deduct	-1.88		
	For >100, Deduct	-2.26		
	For Glow-In-Dark, Add	4.52		
	For Reflective Finish, Add	5.65		
10 14 23 11-0035	EA >25 To 50 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	36.28		11.55
	For >25 To 50, Deduct	-1.32		
	For >50 To 100, Deduct	-3.30		
	For >100, Deduct	-3.95		
	For Glow-In-Dark, Add	7.91		
	For Reflective Finish, Add	9.89		
10 14 23 11-0036	EA >50 To 100 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	47.57		11.55
	For >25 To 50, Deduct	-2.45		
	For >50 To 100, Deduct	-6.12		
	For >100, Deduct	-7.34		
	For Glow-In-Dark, Add	14.68		
	For Reflective Finish, Add	18.35		
10 14 23 11-0037	EA >100 To 250 Sl, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	60.75		11.55
	For >25 To 50, Deduct	-3.77		
	For >50 To 100, Deduct	-9.41		
	For >100, Deduct	-11.30		
	For Glow-In-Dark, Add	22.59		
	For Reflective Finish, Add	28.24		

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	100.28		11.55
		For >25 To 50, Deduct	-7.72		
		For >50 To 100, Deduct	-19.30		
		For >100, Deduct	-23.15		
		For Glow-In-Dark, Add	46.31		
		For Reflective Finish, Add	57.89		
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	117.22		11.55
		For >25 To 50, Deduct	-9.41		
		For >50 To 100, Deduct	-23.53		
		For >100, Deduct	-28.24		
		For Glow-In-Dark, Add	56.47		
		For Reflective Finish, Add	70.59		
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	139.82		11.55
		For >25 To 50, Deduct	-11.67		
		For >50 To 100, Deduct	-29.18		
		For >100, Deduct	-35.02		
		For Glow-In-Dark, Add	70.03		
		For Reflective Finish, Add	87.54		
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.15		0.01
		For Glow-In-Dark, Add	0.08		
		For Reflective Finish, Add	0.10		
10 14 23 11-0042		California Title 24, Surface Mount, Signs (10 14 23 11-0002)			
10 14 23 11-0043		California Title 24, Surface Mount, Geometric Restroom Signs (10 14 23 11-0042)			
		Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.			
10 14 23 11-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	92.28		11.55
		For >25 To 50, Deduct	-6.92		
		For >50 To 100, Deduct	-10.38		
		For >100, Deduct	-11.76		
10 14 23 11-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	92.28		11.55
		For >25 To 50, Deduct	-6.92		
		For >50 To 100, Deduct	-10.38		
		For >100, Deduct	-11.76		
10 14 23 11-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign	119.95		11.55
		Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.			
		For >25 To 50, Deduct	-9.69		
		For >50 To 100, Deduct	-14.53		
		For >100, Deduct	-16.46		
10 14 23 11-0047		California Title 24, Surface Mount, Stairwell Signs (10 14 23 11-0042)			
		Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.			
10 14 23 11-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	179.25		11.55
		For >25 To 50, Deduct	-15.62		
		For >50 To 100, Deduct	-23.42		
		For >100, Deduct	-26.55		
10 14 23 11-0049		Ceiling Mount, Indoor/Outdoor Signs (10 14 23 11-0001)			
10 14 23 11-0050		Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs (10 14 23 11-0049)			
10 14 23 11-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	42.68		16.16
		For >25 To 50, Deduct	-1.04		
		For >50 To 100, Deduct	-2.59		
		For >100, Deduct	-3.11		
		For Glow-In-Dark, Add	6.21		
		For Reflective Finish, Add	7.76		
10 14 23 11-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	51.15		16.16
		For >25 To 50, Deduct	-1.88		
		For >50 To 100, Deduct	-4.71		
		For >100, Deduct	-5.65		
		For Glow-In-Dark, Add	11.29		
		For Reflective Finish, Add	14.12		
10 14 23 11-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	62.45		16.16
		For >25 To 50, Deduct	-3.01		
		For >50 To 100, Deduct	-7.53		
		For >100, Deduct	-9.04		
		For Glow-In-Dark, Add	18.07		
		For Reflective Finish, Add	22.59		
10 14 23 11-0054	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	79.39		16.16
		For >25 To 50, Deduct	-4.71		
		For >50 To 100, Deduct	-11.77		
		For >100, Deduct	-14.12		
		For Glow-In-Dark, Add	28.24		
		For Reflective Finish, Add	35.30		
10 14 23 11-0055		90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)			
10 14 23 11-0056		Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0055)			

			Specialties	10	10
			Information	Specialties	
			Signage	10 14	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 14 23 11-0057	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	43.63	16.16
		For >25 To 50, Deduct	-1.13	
		For >50 To 100, Deduct	-2.83	
		For >100, Deduct	-3.39	
		For Glow-In-Dark, Add	6.78	
		For Reflective Finish, Add	8.48	
10 14 23 11-0058	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	53.04	16.16
		For >25 To 50, Deduct	-2.07	
		For >50 To 100, Deduct	-5.18	
		For >100, Deduct	-6.21	
		For Glow-In-Dark, Add	12.43	
		For Reflective Finish, Add	15.53	
10 14 23 11-0059	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	73.75	16.16
		For >25 To 50, Deduct	-4.14	
		For >50 To 100, Deduct	-10.36	
		For >100, Deduct	-12.43	
		For Glow-In-Dark, Add	24.85	
		For Reflective Finish, Add	31.07	
10 14 23 11-0060	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	81.27	16.16
		For >25 To 50, Deduct	-4.89	
		For >50 To 100, Deduct	-12.24	
		For >100, Deduct	-14.68	
		For Glow-In-Dark, Add	29.36	
		For Reflective Finish, Add	36.71	
10 14 23 11-0061		Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0001)		
10 14 23 11-0062		Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs (10 14 23 11-0061)		
10 14 23 11-0063	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	46.45	16.16
		For >25 To 50, Deduct	-1.41	
		For >50 To 100, Deduct	-3.53	
		For >100, Deduct	-4.24	
		For Glow-In-Dark, Add	8.47	
		For Reflective Finish, Add	10.59	
10 14 23 11-0064	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	60.57	16.16
		For >25 To 50, Deduct	-2.82	
		For >50 To 100, Deduct	-7.06	
		For >100, Deduct	-8.47	
		For Glow-In-Dark, Add	16.94	
		For Reflective Finish, Add	21.18	
10 14 23 11-0065	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	66.21	16.16
		For >25 To 50, Deduct	-3.39	
		For >50 To 100, Deduct	-8.47	
		For >100, Deduct	-10.16	
		For Glow-In-Dark, Add	20.33	
		For Reflective Finish, Add	25.41	
10 14 23 11-0066	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	73.75	16.16
		For >25 To 50, Deduct	-4.14	
		For >50 To 100, Deduct	-10.36	
		For >100, Deduct	-12.43	
		For Glow-In-Dark, Add	24.85	
		For Reflective Finish, Add	31.07	
10 14 23 11-0067		Adhesive Backed Vinyl Characters (10 14 23 11)		
		Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 11-0068	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.17	0.92
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.55	
10 14 23 11-0069	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.29	1.06
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.58	
10 14 23 11-0070	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.41	1.20
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.61	
10 14 23 11-0071	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.52	1.38
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.77	
10 14 23 11-0072	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.69	1.62
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	0.81	
10 14 23 11-0073	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.67	1.85
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.19	
10 14 23 11-0074	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.17	2.08
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.31	
10 14 23 11-0075	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	9.66	2.31
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	1.81	
10 14 23 11-0076	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	11.70	2.54
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	2.32	
10 14 23 11-0077	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	15.02	2.77
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	3.03	
10 14 23 11-0078		Standoffs For Wall Signage (10 14 23 11)		
		Note: Excludes signage		
10 14 23 11-0079	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	18.22	6.78
10 14 23 11-0080	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	18.82	6.78
10 14 23 11-0081	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	18.97	6.78
10 14 23 11-0082	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	19.95	6.78
10 14 23 11-0083	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	20.55	6.78
10 14 23 11-0084	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	21.75	6.78

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 14 23 11-0085	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	21.53	8.13
10 14 23 11-0086	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	23.19	8.13
10 14 23 11-0087	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	24.54	8.13
10 14 23 11-0088	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	25.90	8.13
10 14 23 11-0089	EA	1" Diameter x 1" Long, Stainless Steel Standoff	27.85	8.13
10 14 23 11-0090	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	30.26	8.13
10 14 23 11-0091	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	20.40	6.78
10 14 23 11-0092	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	20.85	6.78
10 14 23 11-0093	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	22.89	8.13
10 14 23 11-0094	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	23.34	8.13
10 14 23 11-0095	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	25.30	8.13
10 14 23 11-0096	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	25.60	8.13

10 14 23 11-0097 Removal And Reinstallation Of Building Signage (10 14 23 11)

Note: Includes storage, cleaning and supply materials.

10 14 23 11-0098	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	237.39	
10 14 23 11-0099	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	272.64	
10 14 23 11-0100	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	306.55	
10 14 23 11-0101	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	69.28	

10 14 23 11-0102 Building Sign (10 14 23 11)

Note: Includes 4" numbers painted on sign. Installed on building.

10 14 23 11-0103	EA	6" x 18" Metal Building Sign With Numbers	186.79	27.71
10 14 23 11-0104	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	50.65	9.49
10 14 23 11-0105	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	38.60	8.82
10 14 23 11-0106	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	36.84	7.46
10 14 23 11-0107	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	42.69	8.14
10 14 23 11-0108	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	46.85	8.82
10 14 23 11-0109	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	55.52	9.49

10 14 23 11-0110 Custom Acrylic Signage (Takeform; Fusion) (10 14 23 11)

10 14 23 11-0111	EA	Type B: F04C-W1 Directional, 11" x 21.45" Acrylic, Surface Mount Signage	523.80	23.10
		Note: Accommodates inserts.		
10 14 23 11-0112	EA	Type B: F53C-W1 Directional, 11" x 21.45" Acrylic, Surface Mount Signage	733.84	23.10
		Note: Accommodates inserts.		
10 14 23 11-0113	EA	Inserts for Type B: Directional Signage	54.36	
10 14 23 11-0114	EA	Type D: F04B-R1 Evacuation, 8.5" x 18.2" Acrylic, Surface Mount Signage	414.53	18.47
		Note: Accommodates inserts.		
10 14 23 11-0115	EA	Type D: F53B-R1 Evacuation, 8.5" x 18.2" Acrylic, Surface Mount Signage	564.57	18.47
		Note: Accommodates inserts.		
10 14 23 11-0116	EA	Inserts for Type D: Evacuation Map Signage	30.44	
10 14 23 11-0117	EA	Type E: F04B-BB-K2 Stairs ID With Pictogram, 8.5" x 11.9" Acrylic, Surface Mount Signage	344.09	12.01
10 14 23 11-0118	EA	Type E: F53BB3-BC2 Stairs ID With Pictogram, 8.5" x 11.9" Acrylic, Surface Mount Signage	321.59	12.01
10 14 23 11-0119	EA	Type E.2: F04B-BB-K2 Restroom ID With Pictogram, 8.5" x 11.9" Acrylic, Surface Mount Signage	344.09	12.01
10 14 23 11-0120	EA	Type E.2: F53BB3-BC2 Restroom ID With Pictogram, 8.5" x 11.9" Acrylic, Surface Mount Signage	321.59	12.01
10 14 23 11-0121	EA	Type H: F04B-D1 Office ID, 8.5" x 6.4" Acrylic, Surface Mount Signage	275.66	11.55
		Note: Accommodates inserts.		
10 14 23 11-0122	EA	Type H: F53B-D1 Office ID, 8.5" x 6.4" Acrylic, Surface Mount Signage	325.67	11.55
		Note: Accommodates inserts.		
10 14 23 11-0123	EA	Inserts for Type H Signage	16.70	
10 14 23 11-0124	EA	Type I: F04B-G1 Large Office ID, 8.5" x 9.68" Acrylic, Surface Mount Signage	313.16	11.55
		Note: Accommodates inserts.		
10 14 23 11-0125	EA	Type I: F53B-G1 Large Office ID, 8.5" x 9.68" Acrylic, Surface Mount Signage	388.18	11.55
		Note: Accommodates inserts.		
10 14 23 11-0126	EA	Inserts for Type I Signage	26.09	
10 14 23 11-0127	EA	Type L: Workstation ID, 8.5" x 3.0" Acrylic, Surface Mount Signage	92.68	11.55
		Note: Accommodates inserts.		
10 14 23 11-0128	EA	Inserts for Type L Signage	20.87	

10 14 43 Photoluminescent Signage (10 14)

10 14 43 00-0001 Photoluminescent Illuminated Signage (10 14 43)

10 14 43 00-0002	EA	4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	62.24	11.55
		For >25 To 50, Deduct	-3.91	
		For >50 To 100, Deduct	-9.79	
		For >100, Deduct	-11.74	
10 14 43 00-0003	EA	4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	68.61	11.55
		For >25 To 50, Deduct	-4.55	
		For >50 To 100, Deduct	-11.38	
		For >100, Deduct	-13.65	
10 14 43 00-0004	EA	8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	77.35	11.55
		For >25 To 50, Deduct	-5.43	
		For >50 To 100, Deduct	-13.56	
		For >100, Deduct	-16.28	

10 14 53 Traffic Signage (10 14)

10 14 53 11 Traffic Signage (10 14 53)

10 14 53 11-0001 Traffic Signs (10 14 53 11)

10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs (10 14 53 11-0001)

Note: Excludes posts.

			Specialties	10	10
			Information Specialties	10 10	
			Signage	10 14	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 14 53 11-0003 Aluminum Engineer Grade Stop Signs (10 14 53 11-0002)					
10 14 53 11-0004	EA	18" x 18"	Aluminum Engineer Grade Stop Sign.....	83.91	20.79
			For Hi-Intensity Grade, Add	12.70	
			For Diamond Grade, Add	24.13	
10 14 53 11-0005	EA	18" x 24"	Aluminum Engineer Grade Stop Sign.....	99.25	21.98
			For Hi-Intensity Grade, Add	16.61	
			For Diamond Grade, Add	31.56	
10 14 53 11-0006	EA	24" x 24"	Aluminum Engineer Grade Stop Sign.....	108.08	23.10
			For Hi-Intensity Grade, Add	25.37	
			For Diamond Grade, Add	40.22	
10 14 53 11-0007	EA	30" x 30"	Aluminum Engineer Grade Stop Sign.....	127.76	24.29
			For Hi-Intensity Grade, Add	9.51	
			For Diamond Grade, Add	51.51	
10 14 53 11-0008	EA	36" x 36"	Aluminum Engineer Grade Stop Sign.....	177.82	25.41
			For Hi-Intensity Grade, Add	27.94	
			For Diamond Grade, Add	87.64	
10 14 53 11-0009 Steel Engineer Grade Stop Signs (10 14 53 11-0002)					
10 14 53 11-0010	EA	18" x 18"	Reflective Steel Stop Sign, Engineering Grade.....	131.36	20.79
10 14 53 11-0011	EA	18" x 24"	Reflective Steel Stop Sign, Engineering Grade.....	166.20	21.98
10 14 53 11-0012	EA	24" x 24"	Reflective Steel Stop Sign, Engineering Grade.....	176.45	23.10
10 14 53 11-0013	EA	30" x 30"	Reflective Steel Stop Sign, Engineering Grade.....	255.72	24.29
10 14 53 11-0014	EA	36" x 36"	Reflective Steel Stop Sign, Engineering Grade.....	327.12	25.41
10 14 53 11-0015 Polyethylene Engineer Grade Stop Signs (10 14 53 11-0002)					
10 14 53 11-0016	EA	18" x 18"	Reflective Polyethylene Stop Sign, Engineering Grade.....	134.69	20.79
10 14 53 11-0017	EA	18" x 24"	Reflective Polyethylene Stop Sign, Engineering Grade.....	174.72	21.98
10 14 53 11-0018	EA	24" x 24"	Reflective Polyethylene Stop Sign, Engineering Grade.....	193.23	23.10
10 14 53 11-0019	EA	30" x 30"	Reflective Polyethylene Stop Sign, Engineering Grade.....	256.49	24.29
10 14 53 11-0020 Other Reflectorized Traffic Signs (10 14 53 11-0002)					
Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.					
10 14 53 11-0021 Aluminum Engineer Grade Traffic Signs (10 14 53 11-0020)					
10 14 53 11-0022	EA	6" x 12"	Aluminum Engineer Grade Traffic Sign.....	47.45	18.47
			For Hi-Intensity Grade, Add	3.15	
			For Diamond Grade, Add	5.98	
10 14 53 11-0023	EA	6" x 18"	Aluminum Engineer Grade Traffic Sign.....	52.69	18.47
			For Hi-Intensity Grade, Add	4.72	
			For Diamond Grade, Add	8.97	
10 14 53 11-0024	EA	9" x 12"	Aluminum Engineer Grade Traffic Sign.....	52.69	18.47
			For Hi-Intensity Grade, Add	4.72	
			For Diamond Grade, Add	8.97	
10 14 53 11-0025	EA	9" x 15"	Aluminum Engineer Grade Traffic Sign.....	56.62	18.47
			For Hi-Intensity Grade, Add	5.90	
			For Diamond Grade, Add	11.21	
10 14 53 11-0026	EA	9" x 18"	Aluminum Engineer Grade Traffic Sign.....	60.56	18.47
			For Hi-Intensity Grade, Add	7.08	
			For Diamond Grade, Add	13.45	
10 14 53 11-0027	EA	9" x 24"	Aluminum Engineer Grade Traffic Sign.....	70.72	19.63
			For Hi-Intensity Grade, Add	9.44	
			For Diamond Grade, Add	17.93	
10 14 53 11-0028	EA	9" x 48"	Aluminum Engineer Grade Traffic Sign.....	102.19	19.63
			For Hi-Intensity Grade, Add	18.88	
			For Diamond Grade, Add	35.87	
10 14 53 11-0029	EA	12" x 12"	Aluminum Engineer Grade Traffic Sign.....	57.94	18.47
			For Hi-Intensity Grade, Add	6.29	
			For Diamond Grade, Add	11.96	
10 14 53 11-0030	EA	12" x 18"	Aluminum Engineer Grade Traffic Sign.....	70.72	19.63
			For Hi-Intensity Grade, Add	9.44	
			For Diamond Grade, Add	17.93	
10 14 53 11-0031	EA	12" x 24"	Aluminum Engineer Grade Traffic Sign.....	81.21	19.63
			For Hi-Intensity Grade, Add	12.59	
			For Diamond Grade, Add	23.91	
10 14 53 11-0032	EA	12" x 30"	Aluminum Engineer Grade Traffic Sign.....	91.70	19.63
			For Hi-Intensity Grade, Add	15.73	
			For Diamond Grade, Add	29.89	
10 14 53 11-0033	EA	12" x 36"	Aluminum Engineer Grade Traffic Sign.....	102.19	19.63
			For Hi-Intensity Grade, Add	18.88	
			For Diamond Grade, Add	35.87	
10 14 53 11-0034	EA	18" x 18"	Aluminum Engineer Grade Traffic Sign.....	86.46	19.63
			For Hi-Intensity Grade, Add	14.16	
			For Diamond Grade, Add	26.90	
10 14 53 11-0035	EA	18" x 24"	Aluminum Engineer Grade Traffic Sign.....	102.19	19.63
			For Hi-Intensity Grade, Add	18.88	
			For Diamond Grade, Add	35.87	
10 14 53 11-0036	EA	18" x 30"	Aluminum Engineer Grade Traffic Sign.....	120.23	20.79
			For Hi-Intensity Grade, Add	23.60	
			For Diamond Grade, Add	44.84	
10 14 53 11-0037	EA	18" x 36"	Aluminum Engineer Grade Traffic Sign.....	135.96	20.79
			For Hi-Intensity Grade, Add	28.32	
			For Diamond Grade, Add	53.80	

10 Specialties**10 10 Information Specialties****10 14 Signage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 14 53 11-0038	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	176.67	25.41
		For Hi-Intensity Grade, Add	37.76	
		For Diamond Grade, Add	71.74	
10 14 53 11-0039	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	192.40	25.41
		For Hi-Intensity Grade, Add	42.48	
		For Diamond Grade, Add	80.71	
10 14 53 11-0040	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	125.47	20.79
		For Hi-Intensity Grade, Add	25.17	
		For Diamond Grade, Add	47.82	
10 14 53 11-0041	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	146.45	20.79
		For Hi-Intensity Grade, Add	31.46	
		For Diamond Grade, Add	59.78	
10 14 53 11-0042	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	167.43	20.79
		For Hi-Intensity Grade, Add	37.76	
		For Diamond Grade, Add	71.74	
10 14 53 11-0043	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	197.64	25.41
		For Hi-Intensity Grade, Add	44.05	
		For Diamond Grade, Add	83.69	
10 14 53 11-0044	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	218.62	25.41
		For Hi-Intensity Grade, Add	50.34	
		For Diamond Grade, Add	95.65	
10 14 53 11-0045	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	239.59	25.41
		For Hi-Intensity Grade, Add	56.63	
		For Diamond Grade, Add	107.60	
10 14 53 11-0046	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	260.57	25.41
		For Hi-Intensity Grade, Add	62.93	
		For Diamond Grade, Add	119.56	
10 14 53 11-0047	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	172.67	20.79
		For Hi-Intensity Grade, Add	39.33	
		For Diamond Grade, Add	74.73	
10 14 53 11-0048	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	208.13	25.41
		For Hi-Intensity Grade, Add	47.20	
		For Diamond Grade, Add	89.67	
10 14 53 11-0049	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	234.35	25.41
		For Hi-Intensity Grade, Add	55.06	
		For Diamond Grade, Add	104.62	
10 14 53 11-0050	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	269.81	30.02
		For Hi-Intensity Grade, Add	62.93	
		For Diamond Grade, Add	119.56	
10 14 53 11-0051	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	331.49	34.65
		For Hi-Intensity Grade, Add	78.66	
		For Diamond Grade, Add	149.45	
10 14 53 11-0052	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	239.59	25.41
		For Hi-Intensity Grade, Add	56.63	
		For Diamond Grade, Add	107.60	
10 14 53 11-0053	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	280.30	30.02
		For Hi-Intensity Grade, Add	66.08	
		For Diamond Grade, Add	125.54	
10 14 53 11-0054	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	321.00	34.65
		For Hi-Intensity Grade, Add	75.51	
		For Diamond Grade, Add	143.47	
10 14 53 11-0055	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	352.47	34.65
		For Hi-Intensity Grade, Add	84.95	
		For Diamond Grade, Add	161.41	
10 14 53 11-0056	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	393.17	39.26
		For Hi-Intensity Grade, Add	94.39	
		For Diamond Grade, Add	179.34	
10 14 53 11-0057	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	470.58	43.88
		For Hi-Intensity Grade, Add	114.84	
		For Diamond Grade, Add	218.20	
10 14 53 11-0058	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	496.80	43.88
		For Hi-Intensity Grade, Add	122.71	
		For Diamond Grade, Add	233.15	
10 14 53 11-0059	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	667.98	50.81
		For Hi-Intensity Grade, Add	169.91	
		For Diamond Grade, Add	322.82	
10 14 53 11-0060	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	326.25	34.65
		For Hi-Intensity Grade, Add	77.09	
		For Diamond Grade, Add	146.47	
10 14 53 11-0061	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	414.15	39.26
		For Hi-Intensity Grade, Add	100.69	
		For Diamond Grade, Add	191.30	
10 14 53 11-0062	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	465.34	43.88
		For Hi-Intensity Grade, Add	113.27	
		For Diamond Grade, Add	215.21	
10 14 53 11-0063	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	507.29	43.88
		For Hi-Intensity Grade, Add	125.86	
		For Diamond Grade, Add	239.13	
10 14 53 11-0064	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	563.10	50.81
		For Hi-Intensity Grade, Add	138.44	
		For Diamond Grade, Add	263.04	
10 14 53 11-0065	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	605.05	50.81
		For Hi-Intensity Grade, Add	151.03	
		For Diamond Grade, Add	286.95	
10 14 53 11-0066	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	698.19	55.43
		For Hi-Intensity Grade, Add	176.20	
		For Diamond Grade, Add	334.78	
10 14 53 11-0067	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	782.09	55.43
		For Hi-Intensity Grade, Add	201.37	
		For Diamond Grade, Add	382.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0068	EA		48" x 102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	824.04 213.95 406.51	55.43
10 14 53 11-0069	EA		48" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	870.61 226.54 430.42	57.74
10 14 53 11-0070	EA		60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	740.14 188.78 358.69	55.43
10 14 53 11-0071	EA		72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	1,658.08 453.08 860.85	73.91
10 14 53 11-0072	EA		78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	1,206.23 327.23 621.73	57.74
10 14 53 11-0073 Polyethylene Engineer Grade Traffic Signs (10 14 53 11-0020)					
10 14 53 11-0074	EA		6" x 12" Reflective Polyethylene Traffic Sign	92.86	17.37
10 14 53 11-0075	EA		12" x 12" Reflective Polyethylene Traffic Sign	106.42	18.47
10 14 53 11-0076	EA		12" x 18" Reflective Polyethylene Traffic Sign	114.03	19.68
10 14 53 11-0077	EA		18" x 18" Reflective Polyethylene Traffic Sign	139.63	20.79
10 14 53 11-0078	EA		18" x 24" Reflective Polyethylene Traffic Sign	174.72	21.98
10 14 53 11-0079	EA		24" x 24" Reflective Polyethylene Traffic Sign	197.53	21.98
10 14 53 11-0080 Non-Reflectorized Traffic Signs (10 14 53 11-0001)					
Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.					
10 14 53 11-0081 Steel Non-Reflectorized Traffic Signs (10 14 53 11-0080)					
10 14 53 11-0082	EA		6" x 12" Steel Non-Reflectorized Traffic Sign	45.42	18.47
10 14 53 11-0083	EA		6" x 18" Steel Non-Reflectorized Traffic Sign	49.65	18.47
10 14 53 11-0084	EA		9" x 12" Steel Non-Reflectorized Traffic Sign	49.65	18.47
10 14 53 11-0085	EA		9" x 15" Steel Non-Reflectorized Traffic Sign	52.82	18.47
10 14 53 11-0086	EA		9" x 18" Steel Non-Reflectorized Traffic Sign	55.99	18.47
10 14 53 11-0087	EA		9" x 24" Steel Non-Reflectorized Traffic Sign	64.63	19.63
10 14 53 11-0088	EA		9" x 48" Steel Non-Reflectorized Traffic Sign	90.01	19.63
10 14 53 11-0089	EA		12" x 12" Steel Non-Reflectorized Traffic Sign	53.88	18.47
10 14 53 11-0090	EA		12" x 18" Steel Non-Reflectorized Traffic Sign	64.63	19.63
10 14 53 11-0091	EA		12" x 24" Steel Non-Reflectorized Traffic Sign	73.09	19.63
10 14 53 11-0092	EA		12" x 30" Steel Non-Reflectorized Traffic Sign	81.55	19.63
10 14 53 11-0093	EA		12" x 36" Steel Non-Reflectorized Traffic Sign	90.01	19.63
10 14 53 11-0094	EA		18" x 18" Steel Non-Reflectorized Traffic Sign	77.32	19.63
10 14 53 11-0095	EA		18" x 24" Steel Non-Reflectorized Traffic Sign	90.01	19.63
10 14 53 11-0096	EA		18" x 30" Steel Non-Reflectorized Traffic Sign	105.00	20.79
10 14 53 11-0097	EA		18" x 36" Steel Non-Reflectorized Traffic Sign	117.69	20.79
10 14 53 11-0098	EA		18" x 48" Steel Non-Reflectorized Traffic Sign	152.30	25.41
10 14 53 11-0099	EA		18" x 54" Steel Non-Reflectorized Traffic Sign	164.99	25.41
10 14 53 11-0100	EA		24" x 24" Steel Non-Reflectorized Traffic Sign	109.23	20.79
10 14 53 11-0101	EA		24" x 30" Steel Non-Reflectorized Traffic Sign	126.15	20.79
10 14 53 11-0102	EA		24" x 36" Steel Non-Reflectorized Traffic Sign	143.06	20.79
10 14 53 11-0103	EA		24" x 42" Steel Non-Reflectorized Traffic Sign	169.22	25.41
10 14 53 11-0104	EA		24" x 48" Steel Non-Reflectorized Traffic Sign	186.13	25.41
10 14 53 11-0105	EA		24" x 54" Steel Non-Reflectorized Traffic Sign	203.05	25.41
10 14 53 11-0106	EA		24" x 60" Steel Non-Reflectorized Traffic Sign	219.96	25.41
10 14 53 11-0107	EA		30" x 30" Steel Non-Reflectorized Traffic Sign	147.29	20.79
10 14 53 11-0108	EA		30" x 36" Steel Non-Reflectorized Traffic Sign	177.68	25.41
10 14 53 11-0109	EA		30" x 42" Steel Non-Reflectorized Traffic Sign	198.82	25.41
10 14 53 11-0110	EA		30" x 48" Steel Non-Reflectorized Traffic Sign	229.20	30.02
10 14 53 11-0111	EA		30" x 60" Steel Non-Reflectorized Traffic Sign	280.73	34.65
10 14 53 11-0112	EA		36" x 36" Steel Non-Reflectorized Traffic Sign	203.05	25.41
10 14 53 11-0113	EA		36" x 42" Steel Non-Reflectorized Traffic Sign	237.66	30.02
10 14 53 11-0114	EA		36" x 48" Steel Non-Reflectorized Traffic Sign	272.28	34.65
10 14 53 11-0115	EA		36" x 54" Steel Non-Reflectorized Traffic Sign	297.65	34.65
10 14 53 11-0116	EA		36" x 60" Steel Non-Reflectorized Traffic Sign	332.26	39.26
10 14 53 11-0117	EA		36" x 73" Steel Non-Reflectorized Traffic Sign	396.48	43.88
10 14 53 11-0118	EA		36" x 78" Steel Non-Reflectorized Traffic Sign	417.62	43.88
10 14 53 11-0119	EA		36" x 108" Steel Non-Reflectorized Traffic Sign	558.35	50.81
10 14 53 11-0120	EA		42" x 42" Steel Non-Reflectorized Traffic Sign	276.50	34.65
10 14 53 11-0121	EA		48" x 48" Steel Non-Reflectorized Traffic Sign	349.18	39.26
10 14 53 11-0122	EA		48" x 54" Steel Non-Reflectorized Traffic Sign	392.25	43.88
10 14 53 11-0123	EA		48" x 60" Steel Non-Reflectorized Traffic Sign	426.08	43.88
10 14 53 11-0124	EA		48" x 66" Steel Non-Reflectorized Traffic Sign	473.77	50.81
10 14 53 11-0125	EA		48" x 72" Steel Non-Reflectorized Traffic Sign	507.60	50.81
10 14 53 11-0126	EA		48" x 84" Steel Non-Reflectorized Traffic Sign	584.49	55.43
10 14 53 11-0127	EA		48" x 96" Steel Non-Reflectorized Traffic Sign	652.16	55.43
10 14 53 11-0128	EA		48" x 102" Steel Non-Reflectorized Traffic Sign	685.99	55.43
10 14 53 11-0129	EA		48" x 108" Steel Non-Reflectorized Traffic Sign	724.44	57.74
10 14 53 11-0130	EA		60" x 72" Steel Non-Reflectorized Traffic Sign	618.32	55.43
10 14 53 11-0131	EA		72" x 144" Steel Non-Reflectorized Traffic Sign	1,365.72	73.91
10 14 53 11-0132	EA		78" x 96" Steel Non-Reflectorized Traffic Sign	995.08	57.74
10 14 53 11-0133 Aluminum Non-Reflectorized Traffic Signs (10 14 53 11-0080)					
10 14 53 11-0134	EA		6" x 12" Aluminum Non-Reflectorized Traffic Sign	45.76	18.47

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

10 14 53 11-0135	EA	6" x 18" Aluminum Non-Reflectorized Traffic Sign.....	50.16	18.47
10 14 53 11-0136	EA	9" x 12" Aluminum Non-Reflectorized Traffic Sign.....	50.16	18.47
10 14 53 11-0137	EA	9" x 15" Aluminum Non-Reflectorized Traffic Sign.....	53.46	18.47
10 14 53 11-0138	EA	9" x 18" Aluminum Non-Reflectorized Traffic Sign.....	56.77	18.47
10 14 53 11-0139	EA	9" x 24" Aluminum Non-Reflectorized Traffic Sign.....	65.67	19.63
10 14 53 11-0140	EA	9" x 48" Aluminum Non-Reflectorized Traffic Sign.....	92.07	19.63
10 14 53 11-0141	EA	12" x 12" Aluminum Non-Reflectorized Traffic Sign.....	54.56	18.47
10 14 53 11-0142	EA	12" x 18" Aluminum Non-Reflectorized Traffic Sign.....	65.67	19.63
10 14 53 11-0143	EA	12" x 24" Aluminum Non-Reflectorized Traffic Sign.....	74.47	19.63
10 14 53 11-0144	EA	12" x 30" Aluminum Non-Reflectorized Traffic Sign.....	83.27	19.63
10 14 53 11-0145	EA	12" x 36" Aluminum Non-Reflectorized Traffic Sign.....	92.07	19.63
10 14 53 11-0146	EA	18" x 18" Aluminum Non-Reflectorized Traffic Sign.....	78.87	19.63
10 14 53 11-0147	EA	18" x 24" Aluminum Non-Reflectorized Traffic Sign.....	92.07	19.63
10 14 53 11-0148	EA	18" x 30" Aluminum Non-Reflectorized Traffic Sign.....	107.59	20.79
10 14 53 11-0149	EA	18" x 36" Aluminum Non-Reflectorized Traffic Sign.....	120.79	20.79
10 14 53 11-0150	EA	18" x 48" Aluminum Non-Reflectorized Traffic Sign.....	156.44	25.41
10 14 53 11-0151	EA	18" x 54" Aluminum Non-Reflectorized Traffic Sign.....	169.64	25.41
10 14 53 11-0152	EA	24" x 24" Aluminum Non-Reflectorized Traffic Sign.....	111.99	20.79
10 14 53 11-0153	EA	24" x 30" Aluminum Non-Reflectorized Traffic Sign.....	129.59	20.79
10 14 53 11-0154	EA	24" x 36" Aluminum Non-Reflectorized Traffic Sign.....	147.20	20.79
10 14 53 11-0155	EA	24" x 42" Aluminum Non-Reflectorized Traffic Sign.....	174.04	25.41
10 14 53 11-0156	EA	24" x 48" Aluminum Non-Reflectorized Traffic Sign.....	191.65	25.41
10 14 53 11-0157	EA	24" x 54" Aluminum Non-Reflectorized Traffic Sign.....	209.25	25.41
10 14 53 11-0158	EA	24" x 60" Aluminum Non-Reflectorized Traffic Sign.....	226.86	25.41
10 14 53 11-0159	EA	30" x 30" Aluminum Non-Reflectorized Traffic Sign.....	151.60	20.79
10 14 53 11-0160	EA	30" x 36" Aluminum Non-Reflectorized Traffic Sign.....	182.85	25.41
10 14 53 11-0161	EA	30" x 42" Aluminum Non-Reflectorized Traffic Sign.....	204.85	25.41
10 14 53 11-0162	EA	30" x 48" Aluminum Non-Reflectorized Traffic Sign.....	236.10	30.02
10 14 53 11-0163	EA	30" x 60" Aluminum Non-Reflectorized Traffic Sign.....	289.35	34.65
10 14 53 11-0164	EA	36" x 36" Aluminum Non-Reflectorized Traffic Sign.....	209.25	25.41
10 14 53 11-0165	EA	36" x 42" Aluminum Non-Reflectorized Traffic Sign.....	244.90	30.02
10 14 53 11-0166	EA	36" x 48" Aluminum Non-Reflectorized Traffic Sign.....	280.55	34.65
10 14 53 11-0167	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign.....	306.95	34.65
10 14 53 11-0168	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign.....	342.60	39.26
10 14 53 11-0169	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign.....	409.06	43.88
10 14 53 11-0170	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign.....	431.06	43.88
10 14 53 11-0171	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign.....	576.96	50.81
10 14 53 11-0172	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign.....	284.95	34.65
10 14 53 11-0173	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign.....	360.21	39.26
10 14 53 11-0174	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign.....	404.66	43.88
10 14 53 11-0175	EA	48" x 60" Aluminum Non-Reflectorized Traffic Sign.....	439.87	43.88
10 14 53 11-0176	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign.....	488.94	50.81
10 14 53 11-0177	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign.....	524.15	50.81
10 14 53 11-0178	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign.....	603.79	55.43
10 14 53 11-0179	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign.....	674.21	55.43
10 14 53 11-0180	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign.....	709.42	55.43
10 14 53 11-0181	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign.....	749.25	57.74
10 14 53 11-0182	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign.....	639.00	55.43
10 14 53 11-0183	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign.....	1,415.36	73.91
10 14 53 11-0184	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign.....	1,030.93	57.74

10 14 53 11-0185 Polyethylene Non-Reflectorized Traffic Signs (10 14 53 11-0080)

10 14 53 11-0186	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign.....	76.44	17.37
10 14 53 11-0187	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign.....	83.92	18.47
10 14 53 11-0188	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign.....	90.56	19.68
10 14 53 11-0189	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign.....	122.85	20.79
10 14 53 11-0190	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign.....	131.89	21.98
10 14 53 11-0191	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign.....	154.74	23.10

10 14 53 11-0192 Signs For Overhead Sign Structures (10 14 53 11-0001)

Note: Including horizontal Z-bars.

10 14 53 11-0193	SF	From 30 To 360 SF Signs For Overhead Sign Structures.....	25.00	
		For Over 10' High, Add.....	13.00	
10 14 53 11-0194	VLF	Vertical Sign Hangers For Overhead Sign Structures, Per Hanger.....	32.50	
		Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.		

10 14 53 11-0195 Flashing Beacon (10 14 53 11-0001)

10 14 53 11-0196	EA	Flashing Beacon Assembly.....	1,392.05	207.77
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10 14 53 11-0197 Aluminum Street Signs (10 14 53 11-0001)

Note: Excludes posts.

10 14 53 11-0198 Aluminum Engineer Grade Street Signs (10 14 53 11-0197)

10 14 53 11-0199	EA	6" High, Aluminum Engineer Grade Street Sign.....	105.21	9.24
		For Diamond Grade, Add.....	49.44	
10 14 53 11-0200	EA	8" High, Aluminum Engineer Grade Street Sign.....	120.52	9.24
		For Diamond Grade, Add.....	58.17	
10 14 53 11-0201	EA	9" High, Aluminum Engineer Grade Street Sign.....	131.91	9.24
		For Diamond Grade, Add.....	64.66	

10 14 53 11-0202 Street Sign Accessories (10 14 53 11-0197)

			Specialties	10
			Information Specialties	10 10
			Signage	10 14
MINOR	CSI	UOM	TOTAL DIRECT	DEMOLITION
		DESCRIPTION	UNIT COST	UNIT COST

10 14 53 11-0203	EA	Single Bracket And Post Cap For Street Sign	30.10	4.62
10 14 53 11-0204	EA	Double Bracket And Post Cap For Street Sign	30.10	4.62
10 14 53 11-0205		Sign Posts (10 14 53 11-0001) Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53 11-0206		U-Channel Sign Posts (10 14 53 11-0205) Note: Excludes digging and concrete.		
10 14 53 11-0207		Baked Enamel U-Channel Sign Posts (10 14 53 11-0206)		
10 14 53 11-0208	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	73.96	18.88
10 14 53 11-0209	EA	6' Baked Enamel U-Channel Sign Post	98.11	23.60
10 14 53 11-0210	EA	7' Baked Enamel U-Channel Sign Post	117.02	28.32
10 14 53 11-0211	EA	8' Baked Enamel U-Channel Sign Post	137.12	33.04
10 14 53 11-0212	EA	10' Baked Enamel U-Channel Sign Post	165.23	40.12
10 14 53 11-0213	EA	12' Baked Enamel U-Channel Sign Post	171.03	40.12
10 14 53 11-0214		Galvanized Steel U-Channel Sign Posts (10 14 53 11-0206)		
10 14 53 11-0215	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	81.42	18.88
10 14 53 11-0216	EA	6' Galvanized Steel U-Channel Sign Post	109.96	23.60
10 14 53 11-0217	EA	7' Galvanized Steel U-Channel Sign Post	143.80	28.32
10 14 53 11-0218	EA	8' Galvanized Steel U-Channel Sign Post	166.72	33.04
10 14 53 11-0219	EA	10' Galvanized Steel U-Channel Sign Post	186.79	40.12
10 14 53 11-0220	EA	12' Galvanized Steel U-Channel Sign Post	189.79	40.12
10 14 53 11-0221		Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0206)		
10 14 53 11-0222	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	72.20	18.88
10 14 53 11-0223	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	94.29	23.60
10 14 53 11-0224	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	112.40	28.32
10 14 53 11-0225	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	131.61	33.04
10 14 53 11-0226	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	155.24	40.12
10 14 53 11-0227	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	165.11	40.12
10 14 53 11-0228		Tubular Sign Posts (10 14 53 11-0205) Note: Excludes digging and concrete.		
10 14 53 11-0229		2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 11-0228)		
10 14 53 11-0230	EA	6", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	111.18	23.60
10 14 53 11-0231	EA	7", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	131.64	28.32
10 14 53 11-0232	EA	8", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	155.87	33.04
10 14 53 11-0233	EA	10", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	202.99	40.12
10 14 53 11-0234	EA	12", 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	223.32	40.12
10 14 53 11-0235		Square Sign Posts (10 14 53 11-0205) Note: Excludes digging and concrete.		
10 14 53 11-0236		Galvanized Steel Square Sign Posts (10 14 53 11-0235)		
10 14 53 11-0237	EA	3' To 4' Galvanized Steel Square Sign Post Base	83.08	18.88
10 14 53 11-0238	EA	6' Galvanized Steel Square Sign Post	138.00	23.60
10 14 53 11-0239	EA	7' Galvanized Steel Square Sign Post	161.25	28.32
10 14 53 11-0240	EA	8' Galvanized Steel Square Sign Post	188.08	33.04
10 14 53 11-0241	EA	10' Galvanized Steel Square Sign Post	229.87	40.12
10 14 53 11-0242	EA	12' Galvanized Steel Square Sign Post	244.07	40.12
10 14 53 11-0243		Other Sign Posts And Bases (10 14 53 11-0001) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0244		2.5 Lb./FT Breakaway Sign Posts And Base Posts (10 14 53 11-0243)		
10 14 53 11-0245		Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts (10 14 53 11-0244)		
10 14 53 11-0246	EA	Base Post for 2.5 Lb./LF Breakaway Sign Post	97.18	23.10
10 14 53 11-0247	EA	Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post	60.22	18.47
10 14 53 11-0248		Breakaway Sign Posts, 2.5 Lb./LF (10 14 53 11-0244)		
10 14 53 11-0249	LF	2.5 Lb./LF Breakaway Sign Post	12.61	2.31
10 14 53 11-0250		4 Lb./FT Breakaway Sign Posts And Base Posts (10 14 53 11-0243)		
10 14 53 11-0251		Base Posts, 4 Lb./LF, For Breakaway Sign Posts (10 14 53 11-0250)		
10 14 53 11-0252	EA	Base Post For 4 Lb./LF Breakaway Sign Post	101.82	27.71
10 14 53 11-0253	EA	Lap Splice Hardware for 4 Lb./LF Breakaway Sign Post	60.22	18.47
10 14 53 11-0254		Breakaway Sign Posts, 4 Lb./LF (10 14 53 11-0250)		
10 14 53 11-0255	LF	4 Lb./LF Breakaway Sign Post	15.49	2.31
10 14 53 11-0256		Driven Sign Posts (10 14 53 11-0243)		

10	10	Specialties
	10 10	Information Specialties
	10 14	Signage



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 14 53 11-0257				Driven Posts, 2.5 Lb./LF (10 14 53 11-0256)		
10 14 53 11-0258	LF			2.5 Lb./LF Driven Post	13.53	3.23
10 14 53 11-0259				Driven Posts, 4 Lb./LF (10 14 53 11-0256)		
10 14 53 11-0260	LF			4 Lb./LF Driven Post	16.87	3.69
10 14 53 11-0261				Omni-Directional Breakaway System For Sign Posts And Light Poles (10 14 53 11-0243)		
10 14 53 11-0262				Omni-Directional Breakaway Systems For Signs (10 14 53 11-0261)		
				Note: Break-Safe as manufactured by Trampo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
10 14 53 11-0263	EA			Omni-Directional Breakaway System For 6" To 8" Wide Flange (Trampo B525).....	1,469.43	
10 14 53 11-0264	EA			Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650).....	1,565.66	
10 14 53 11-0265	EA			Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo A14 And A16).....	1,073.38	
10 14 53 11-0266	EA			Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5)	940.14	
10 14 53 11-0267	EA			Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4)	1,065.98	
10 14 53 11-0268	EA			Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6).....	1,014.16	
10 14 53 11-0269	EA			Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6).....	1,099.29	
10 14 53 11-0270				Omni-Directional Breakaway Systems For Poles (10 14 53 11-0261)		
				Note: Pole-Safe as Manufactured by Trampo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
10 14 53 11-0271	EA			Omni-Directional Breakaway System For Poles With 5/8" Couplings	495.13	
10 14 53 11-0272	EA			Omni-Directional Breakaway System For Poles With 3/4" Couplings	519.09	
10 14 53 11-0273	EA			Omni-Directional Breakaway System For Poles With 1" Couplings	539.05	
10 14 53 11-0274	EA			Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	818.55	
10 14 53 11-0275	EA			Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	71.87	
10 14 53 11-0276	EA			Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	95.83	
10 14 53 11-0277				Sign Post Accessories (10 14 53 11-0001)		
10 14 53 11-0278				Sign Post Brackets (10 14 53 11-0277)		
10 14 53 11-0279	EA			2-3/8" Outside Diameter, Single Side Sign Bracket Set.....	61.33	6.93
				Note: Includes 2 single side signpost brackets		
10 14 53 11-0280	EA			2-3/8" Outside Diameter, Double Side Sign Bracket Set	80.14	11.55
				Note: Includes 2 double side signpost brackets		
10 14 53 11-0281	EA			4" To 12" Diameter, Buckle Bracket Set	73.44	9.24
				Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware		
10 14 53 11-0282				Sign Post Caps (10 14 53 11-0277)		
10 14 53 11-0283	EA			2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....	26.94	4.62
10 14 53 11-0284				Sign Post Replacement Bolts (10 14 53 11-0277)		
10 14 53 11-0285	EA			Signage Fasteners Replacement.....	17.73	
				Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers		
10 14 53 11-0286				Removal Of Signs (10 14 53 11)		
				Note: Includes structural supports.		
10 14 53 11-0287	EA			>4 To 10 SF Sign Area, Sign Removal	184.77	
10 14 53 11-0288	EA			>10 To 20 SF Sign Area, Sign Removal	443.45	
10 14 53 11-0289	EA			>20 To 40 SF Sign Area, Sign Removal	665.17	
10 14 53 11-0290	EA			>40 To 100 SF Sign Area, Sign Removal	1,108.81	
10 14 53 11-0291				Removal And Reinstallation Of Signs (10 14 53 11)		
				Note: Includes structural supports.		
10 14 53 11-0292	EA			>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	283.66	
10 14 53 11-0293	EA			>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	669.81	
10 14 53 11-0294	EA			>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	1,001.71	
10 14 53 11-0295	EA			>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,666.87	
10 14 53 11-0296	EA			Removal And Reinstallation Of Street Sign On Post	106.24	
10 14 53 11-0297	EA			Removal And Relocation Of Traffic Light.....	392.54	
				Note: Excludes electrical hookup.		
10 14 56				Bridge Signage (10 14)		
10 14 56 00-0001				Bridge And Truss Mounted Signs (10 14 56)		
10 14 56 00-0002				Removal Of Bridge And Truss Mounted Signs (10 14 56 00-0001)		
10 14 56 00-0003	CF			Removal Of Foundation	17.80	
				Note: Including Excavation		
10 14 56 00-0004	LF			Removal Of Truss And Supports	239.21	
10 14 56 00-0005	SF			Removal Of Sign Face	10.93	
10 14 56 00-0006	SF			Removal Of Legend	18.23	
10 14 56 00-0007	EA			Removal Of Changeable Message Panel	210.28	
10 14 56 00-0008	EA			Removal Of Posts And Supports, Per Post.....	109.34	

Specialties			10
Information Specialties			10 10
Signage			10 14
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

10 14 56 00-0009		Fabricate And Install New Reflective Messages On Sign Face (10 14 56 00-0001)	
10 14 56 00-0010		One Color/3 Dimensional Demountable Letters (10 14 56 00-0009)	
10 14 56 00-0011	EA	6" Capital Height Letter.....	31.00
10 14 56 00-0012	EA	8" Capital Height Letter.....	36.63
10 14 56 00-0013	EA	10" Capital Height Letter.....	42.25
10 14 56 00-0014	EA	12" Capital Height Letter.....	47.31
10 14 56 00-0015	EA	14" Capital Height Letter.....	50.32
10 14 56 00-0016		Two Color Legend Shields-Die Cut Vinyl Engineer Grade (10 14 56 00-0009)	
10 14 56 00-0017	EA	6" Legend/Shields.....	32.01
10 14 56 00-0018	EA	8" Legend/Shields.....	37.98
10 14 56 00-0019	EA	10" Legend/Shields.....	43.93
10 14 56 00-0020	EA	12" Legend/Shields.....	49.33
10 14 56 00-0021	EA	14" Legend/Shields.....	52.69

10 20 Interior Specialties (10)

10 21 Compartments and Cubicles (10 20)

10 21 13 Toilet Compartments (10 21)

10 21 13 13 Metal Toilet Compartments (10 21 13)

10 21 13 13-0001		Enamel Coated Steel Toilet Partitions And Urinal Screens (10 21 13 13)	
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.			
10 21 13 13-0002		Enamel Coated Steel Toilet Partitions (10 21 13 13-0001)	
Note: All colors.			
10 21 13 13-0003		Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)	
10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,118.33
		For >10, Deduct.....	-81.31
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add.....	224.59
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition.....	1,348.26
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add.....	224.59
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition.....	1,438.92
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add.....	224.59
10 21 13 13-0007		Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)	
Note: Includes head rail.			
10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,170.70
		For >10, Deduct.....	-79.77
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add.....	224.59
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition.....	1,356.20
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add.....	224.59
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition.....	1,432.55
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add.....	224.59
10 21 13 13-0011		Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)	
Note: Excludes above ceiling steel.			
10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,381.82
		For >10, Deduct.....	-94.10
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add.....	224.59
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition.....	1,605.73
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add.....	224.59
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition.....	1,685.41
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add.....	224.59
10 21 13 13-0015		Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)	
Note: Excludes above ceiling steel.			
10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,344.97
		For >10, Deduct.....	-83.63
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add.....	224.59
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,605.81
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add.....	224.59

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,694.23 224.59	274.69
10 21 13 13-0019		Enamel Coated Steel Urinal Screens (10 21 13 13-0001) Note: All colors.		
10 21 13 13-0020		Floor Anchored, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	595.42 62.23	94.92
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	659.22 62.23	101.70
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	724.91 62.23	108.48
10 21 13 13-0024		Wall Hung, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	344.27 62.23	81.36
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	371.36 62.23	88.14
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	392.63 62.23	94.92
10 21 13 13-0028		Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	440.80 62.23	88.14
10 21 13 13-0030		Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	491.10 62.23	88.14
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	523.97 62.23	94.92
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	556.85 62.23	101.70
10 21 13 13-0034		Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	552.93 62.23	94.92
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	593.54 62.23	101.70
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	655.40 62.23	108.48
10 21 13 13-0038		Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 13-0001) Note: All colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 13-0039		Enamel Coated Steel, Toilet Partition Doors (10 21 13 13-0038)		
10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	347.83 100.14	27.13
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	355.56 100.14	27.13
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	377.01 100.14	29.17
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	411.78 100.14	29.17
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	419.50 100.14	29.17
10 21 13 13-0045		Enamel Coated Steel, Toilet Partition Panels (10 21 13 13-0038)		
10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	255.22 62.23	40.69
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	281.31 62.23	44.09
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	307.41 62.23	47.48
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	333.51 62.23	50.87
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	359.60 62.23	54.26
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	385.70 62.23	57.65
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	409.86 62.23	61.05
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	435.95 62.23	64.44
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	454.33 62.23	67.82

			Specialties	10	10
			Interior Specialties	10 20	
			Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0055	EA		58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	464.77 42.00 62.23	69.18
10 21 13 13-0056	EA		60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	478.49 42.00 62.23	71.21
10 21 13 13-0057	EA		70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	521.98 42.00 62.23	74.60
10 21 13 13-0058	EA		78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	559.65 42.00 62.23	78.00
10 21 13 13-0059			70" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)		
10 21 13 13-0060	EA		Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	191.34 62.23	20.35
10 21 13 13-0061	EA		5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	211.65 62.23	23.73
10 21 13 13-0062	EA		6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	233.88 62.23	27.13
10 21 13 13-0063	EA		8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	271.57 62.23	30.52
10 21 13 13-0064	EA		10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	307.31 62.23	33.91
10 21 13 13-0065	EA		12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	343.06 62.23	37.30
10 21 13 13-0066	EA		18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	440.63 62.23	40.69
10 21 13 13-0067	EA		22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	505.35 62.23	44.09
10 21 13 13-0068	EA		24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	543.04 62.23	47.48
10 21 13 13-0069			82" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)		
10 21 13 13-0070	EA		Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	154.64 62.23	20.35
10 21 13 13-0071	EA		5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	169.16 62.23	23.73
10 21 13 13-0072	EA		6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	185.60 62.23	27.13
10 21 13 13-0073	EA		8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	209.77 62.23	30.52
10 21 13 13-0074	EA		10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	231.99 62.23	33.91
10 21 13 13-0075	EA		12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	256.15 62.23	37.30
10 21 13 13-0076	EA		18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	315.09 62.23	40.69
10 21 13 13-0077	EA		22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	354.70 62.23	44.09
10 21 13 13-0078	EA		24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	378.88 62.23	47.48
10 21 13 13-0079			96" To 120" Long, Enamel Coated Steel, Partition Pilasters (10 21 13 13-0038)		
10 21 13 13-0080	EA		Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	214.57 62.23	27.13
10 21 13 13-0081	EA		5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	234.88 62.23	30.52
10 21 13 13-0082	EA		6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	257.10 62.23	33.91
10 21 13 13-0083	EA		8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	294.78 62.23	37.30
10 21 13 13-0084	EA		10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	330.54 62.23	40.69
10 21 13 13-0085	EA		12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	366.29 62.23	44.09
10 21 13 13-0086	EA		18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	463.86 62.23	47.48
10 21 13 13-0087	EA		22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	528.58 62.23	50.87
10 21 13 13-0088	EA		24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	566.26 62.23	54.26
10 21 13 14			Stainless-Steel Toilet Compartments (10 21 13)		
10 21 13 14-0001			Stainless Steel Toilet Partitions And Urinal Screens (10 21 13 14) Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
10 21 13 14-0002			Stainless Steel Toilet Partitions (10 21 13 14-0001)		
10 21 13 14-0003			Floor Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002)		

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
10 21 13 14-0004	EA 36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,471.41		152.60
		-216.62		
		224.59		
		758.17		
10 21 13 14-0005	EA 60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,978.96		166.17
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59		
	<i>For Diamond Pattern Finish, Add</i>	926.32		
10 21 13 14-0006	EA 60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,119.84		172.95
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59		
	<i>For Diamond Pattern Finish, Add</i>	970.88		
10 21 13 14-0007	Overhead Braced, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002) Note: Includes head rail.			
10 21 13 14-0008	EA 36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,108.81		186.52
	<i>For >10, Deduct</i>	-173.58		
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59		
	<i>For Diamond Pattern Finish, Add</i>	607.52		
10 21 13 14-0009	EA 60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,559.25		200.08
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59		
	<i>For Diamond Pattern Finish, Add</i>	755.68		
10 21 13 14-0010	EA 60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,785.64		206.86
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59		
	<i>For Diamond Pattern Finish, Add</i>	830.17		
10 21 13 14-0011	Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002) Note: Excludes above ceiling steel.			
10 21 13 14-0012	EA 36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,910.21		220.43
	<i>For >10, Deduct</i>	-246.94		
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59		
	<i>For Diamond Pattern Finish, Add</i>	864.27		
10 21 13 14-0013	EA 60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,120.61		234.00
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59		
	<i>For Diamond Pattern Finish, Add</i>	928.42		
10 21 13 14-0014	EA 60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,265.56		240.77
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59		
	<i>For Diamond Pattern Finish, Add</i>	974.40		
10 21 13 14-0015	Ceiling Hung, Stainless Steel, Complete Toilet Partitions (10 21 13 14-0002) Note: Excludes above ceiling steel.			
10 21 13 14-0016	EA 36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	2,922.83		254.34
	<i>For >10, Deduct</i>	-241.42		
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59		
	<i>For Diamond Pattern Finish, Add</i>	844.96		
10 21 13 14-0017	EA 60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,545.76		267.91
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59		
	<i>For Diamond Pattern Finish, Add</i>	1,053.48		
10 21 13 14-0018	EA 60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,726.45		274.69
	<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59		
	<i>For Diamond Pattern Finish, Add</i>	1,111.98		
10 21 13 14-0019	Stainless Steel Urinal Screens (10 21 13 14-0001)			
10 21 13 14-0020	Floor Anchored, Stainless Steel, Urinal Screens (10 21 13 14-0019)			
10 21 13 14-0021	EA 24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	828.45		94.92
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23		
	<i>For Diamond Pattern Finish, Add</i>	223.52		
10 21 13 14-0022	EA 36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	936.13		101.70
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23		
	<i>For Diamond Pattern Finish, Add</i>	256.45		
10 21 13 14-0023	EA 48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	957.38		108.48
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23		
	<i>For Diamond Pattern Finish, Add</i>	259.15		
10 21 13 14-0024	Wall Hung, Stainless Steel, Urinal Screens (10 21 13 14-0019)			
10 21 13 14-0025	EA 18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	615.78		81.36
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23		
	<i>For Diamond Pattern Finish, Add</i>	158.57		
10 21 13 14-0026	EA 24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	666.35		88.14
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23		
	<i>For Diamond Pattern Finish, Add</i>	171.52		
10 21 13 14-0027	EA 30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	727.08		94.92
	<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23		
	<i>For Diamond Pattern Finish, Add</i>	188.04		
10 21 13 14-0028	Wall Hung And Post Supported, Stainless Steel, Urinal Screens (10 21 13 14-0019)			

			Specialties	10
			Interior Specialties	10 20
			Compartments and Cubicles	10 21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0029	EA		18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	987.09 62.23 283.78	88.14
10 21 13 14-0030	EA		24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,035.31 62.23 295.91	94.92
10 21 13 14-0031	EA		30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,083.31 62.23 307.97	101.70
10 21 13 14-0032			Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens (10 21 13 14-0019)		
10 21 13 14-0033	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	828.45 62.23 223.52	94.92
10 21 13 14-0034	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	936.12 62.23 256.45	101.70
10 21 13 14-0035	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,048.22 62.23 290.94	108.48
10 21 13 14-0036			Stainless Steel Toilet Partition Doors, Panels And Pilasters (10 21 13 14-0001) See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.		
10 21 13 14-0037			Stainless Steel, Toilet Partition Doors (10 21 13 14-0036)		
10 21 13 14-0038	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	537.35 100.14 169.08	27.13
10 21 13 14-0039	EA		26" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	613.65 100.14 195.79	27.13
10 21 13 14-0040	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	631.01 100.14 199.49	30.52
10 21 13 14-0041	EA		34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	653.03 100.14 207.20	30.52
10 21 13 14-0042	EA		36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	659.16 100.14 209.34	30.52
10 21 13 14-0043			Stainless Steel, Toilet Partition Panels (10 21 13 14-0036)		
10 21 13 14-0044	EA		6" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	469.03 62.23 135.67	40.69
10 21 13 14-0045	EA		12" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	520.58 62.23 151.34	44.09
10 21 13 14-0046	EA		18" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	542.85 62.23 156.76	47.48
10 21 13 14-0047	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	568.04 62.23 163.21	50.87
10 21 13 14-0048	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	609.60 62.23 175.38	54.26
10 21 13 14-0049	EA		36" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	657.78 62.23 189.87	57.65
10 21 13 14-0050	EA		42" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	767.81 62.23 226.01	61.05
10 21 13 14-0051	EA		48" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	840.02 62.23 248.91	64.44
10 21 13 14-0052	EA		55" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	862.31 62.23 254.33	67.82
10 21 13 14-0053	EA		58" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	904.62 62.23 268.19	69.18
10 21 13 14-0054	EA		60" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	960.35 62.23 286.27	71.21
10 21 13 14-0055	EA		70" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,006.25 62.23 299.96	74.60
10 21 13 14-0056	EA		78" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,103.06 62.23 331.47	78.00
10 21 13 14-0057			70" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)		

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
10 21 13 14-0058	EA Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	323.09 62.23 98.84		20.35	
10 21 13 14-0059	EA 5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	352.26 62.23 106.67		23.73	
10 21 13 14-0060	EA 6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	383.15 62.23 115.11		27.13	
10 21 13 14-0061	EA 8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	436.43 62.23 131.38		30.52	
10 21 13 14-0062	EA 10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	489.70 62.23 147.66		33.91	
10 21 13 14-0063	EA 12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	542.97 62.23 163.93		37.30	
10 21 13 14-0064	EA 18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	687.51 62.23 212.14		40.69	
10 21 13 14-0065	EA 22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	787.28 62.23 244.69		44.09	
10 21 13 14-0066	EA 24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	840.56 62.23 260.96		47.48	
10 21 13 14-0067	82" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)				
10 21 13 14-0068	EA Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	248.25 62.23 72.65		20.35	
10 21 13 14-0069	EA 5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	269.25 62.23 77.62		23.73	
10 21 13 14-0070	EA 6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	290.96 62.23 82.85		27.13	
10 21 13 14-0071	EA 8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	376.53 62.23 110.42		30.52	
10 21 13 14-0072	EA 10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	424.81 62.23 124.95		33.91	
10 21 13 14-0073	EA 12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	440.20 62.23 127.96		37.30	
10 21 13 14-0074	EA 18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	498.39 62.23 145.95		40.69	
10 21 13 14-0075	EA 22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	561.70 62.23 165.74		44.09	
10 21 13 14-0076	EA 24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	596.53 62.23 175.55		47.48	
10 21 13 14-0077	96" To 120" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)				
10 21 13 14-0078	EA Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	355.60 62.23 105.47		27.13	
10 21 13 14-0079	EA 5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	389.94 62.23 115.11		30.52	
10 21 13 14-0080	EA 6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	422.54 62.23 124.15		33.91	
10 21 13 14-0081	EA 8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	484.42 62.23 143.44		37.30	
10 21 13 14-0082	EA 10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	544.59 62.23 162.12		40.69	
10 21 13 14-0083	EA 12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	604.75 62.23 180.80		44.09	
10 21 13 14-0084	EA 18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	775.13 62.23 238.06		47.48	
10 21 13 14-0085	EA 22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	888.67 62.23 275.43		50.87	
10 21 13 14-0086	EA 24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	950.55 62.23 294.71		54.26	

			Specialties	10	10
			Interior Specialties	10 20	
			Compartments and Cubicles	10 21	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments (10 21 13)

10 21 13 16-0001	Laminated Plastic Toilet Partitions And Urinal Screens (10 21 13 16)				
Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high-pressure decorative plastic laminate bonded to a solid industrial-grade particalboard.					
10 21 13 16-0002	Laminated Plastic Toilet Partitions (10 21 13 16-0001)				
Note: Includes all standard Bobrick colors.					
10 21 13 16-0003	Floor Anchored, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)				
10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,400.26		152.60
		For >10, Deduct	-109.51		
		For Cast Stainless Steel Hardware, Add	180.41		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59		
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,707.77		166.17
		For Cast Stainless Steel Hardware, Add	180.43		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59		
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,836.48		172.95
		For Cast Stainless Steel Hardware, Add	180.44		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59		
10 21 13 16-0007	Overhead Braced, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)				
Note: Includes head rail.					
10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,521.54		186.52
		For >10, Deduct	-114.85		
		For Cast Stainless Steel Hardware, Add	180.45		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59		
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,842.40		200.08
		For Cast Stainless Steel Hardware, Add	180.47		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59		
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,981.14		206.86
		For Cast Stainless Steel Hardware, Add	180.47		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59		
10 21 13 16-0011	Ceiling Hung, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)				
Note: Excludes above ceiling steel.					
10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	2,035.71		254.34
		For >10, Deduct	-152.71		
		For Cast Stainless Steel Hardware, Add	180.53		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59		
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,366.86		267.91
		For Cast Stainless Steel Hardware, Add	180.54		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59		
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,495.57		274.69
		For Cast Stainless Steel Hardware, Add	180.55		
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59		
10 21 13 16-0015	Laminated Plastic Urinal Screens (10 21 13 16-0001)				
Note: Includes all standard Bobrick colors.					
10 21 13 16-0016	Floor Anchored, Laminated Plastic, Urinal Screens (10 21 13 16-0015)				
10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	598.24		94.92
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	651.87		101.70
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	673.28		108.48
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 16-0020	Wall Hung, Laminated Plastic, Urinal Screens (10 21 13 16-0015)				
10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	466.70		81.36
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	491.72		88.14
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	515.67		94.92
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 16-0024	Wall Hung And Post Supported, Laminated Plastic, Urinal Screens (10 21 13 16-0015)				
10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	614.17		88.14
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	673.40		94.92
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	737.44		101.70
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 21 13 16-0028	Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens (10 21 13 16-0015)					
10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen		.....	568.69	88.14
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen		.....	623.45	94.92
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen		.....	644.22	101.70
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0032	Laminated Plastic Toilet Partition Doors, Panels And Pilasters (10 21 13 16-0001)					
	Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories.					
10 21 13 16-0033	Laminated Plastic, Toilet Partition Doors (10 21 13 16-0032)					
10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door		.....	459.09	27.13
		For Heavy Gauge Full-Height SS Hinge, Add			100.14	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door		.....	498.43	27.13
		For Heavy Gauge Full-Height SS Hinge, Add			100.14	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door		.....	515.94	30.52
		For Heavy Gauge Full-Height SS Hinge, Add			100.14	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door		.....	528.10	30.52
		For Heavy Gauge Full-Height SS Hinge, Add			100.14	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door		.....	539.54	30.52
		For Heavy Gauge Full-Height SS Hinge, Add			100.14	
10 21 13 16-0039	Laminated Plastic, Toilet Partition Panels (10 21 13 16-0032)					
10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	240.83	40.69
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	266.15	44.09
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	291.48	47.48
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	317.75	50.87
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	342.12	54.26
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	368.50	57.65
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	377.45	61.05
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	387.78	64.44
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	408.19	67.82
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	424.80	69.18
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	443.55	71.21
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	503.98	74.60
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel		.....	572.27	78.00
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
10 21 13 16-0053	69" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)					
10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster		.....	193.04	20.35
		For 1-1/4" Pilaster, Add			12.57	
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
		For Steel Core Pilaster, Add			152.35	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster		.....	222.72	23.73
		For 1-1/4" Pilaster, Add			14.46	
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
		For Steel Core Pilaster, Add			175.24	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster		.....	229.50	27.13
		For 1-1/4" Pilaster, Add			14.46	
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
		For Steel Core Pilaster, Add			175.24	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster		.....	253.45	30.52
		For 1-1/4" Pilaster, Add			15.87	
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
		For Steel Core Pilaster, Add			192.40	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster		.....	265.23	33.91
		For 1-1/4" Pilaster, Add			16.29	
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
		For Steel Core Pilaster, Add			197.41	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster		.....	288.46	37.30
		For 1-1/4" Pilaster, Add			17.64	
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
		For Steel Core Pilaster, Add			213.86	
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster		.....	365.34	40.69
		For 1-1/4" Pilaster, Add			23.43	
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
		For Steel Core Pilaster, Add			283.95	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster		.....	440.79	44.09
		For 1-1/4" Pilaster, Add			29.09	
		For Heavy Gauge Full-Height SS Brackets, Add			62.23	
		For Steel Core Pilaster, Add			352.62	

			Specialties	10	10
			Interior Specialties	10 20	
			Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0062	EA		24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	494.07	47.48
			For 1-1/4" Pilaster, Add	32.93	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Steel Core Pilaster, Add	399.11	
10 21 13 16-0063			83" Long, Laminated Plastic, Toilet Partition Pilasters (10 21 13 16-0032)		
10 21 13 16-0064	EA		Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	373.28	20.35
			For 1-1/4" Pilaster, Add	27.44	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Steel Core Pilaster, Add	332.59	
10 21 13 16-0065	EA		5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	412.97	23.73
			For 1-1/4" Pilaster, Add	30.15	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Steel Core Pilaster, Add	365.49	
10 21 13 16-0066	EA		6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	419.75	27.13
			For 1-1/4" Pilaster, Add	30.15	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Steel Core Pilaster, Add	365.49	
10 21 13 16-0067	EA		8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	454.43	30.52
			For 1-1/4" Pilaster, Add	32.45	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Steel Core Pilaster, Add	393.39	
10 21 13 16-0068	EA		10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	496.25	33.91
			For 1-1/4" Pilaster, Add	35.35	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Steel Core Pilaster, Add	428.43	
10 21 13 16-0069	EA		12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	530.21	37.30
			For 1-1/4" Pilaster, Add	37.59	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Steel Core Pilaster, Add	455.61	
10 21 13 16-0070	EA		18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	658.25	40.69
			For 1-1/4" Pilaster, Add	47.59	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Steel Core Pilaster, Add	576.86	
10 21 13 16-0071	EA		22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	749.06	44.09
			For 1-1/4" Pilaster, Add	54.52	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Steel Core Pilaster, Add	660.89	
10 21 13 16-0072	EA		24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	769.44	47.48
			For 1-1/4" Pilaster, Add	55.64	
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For Steel Core Pilaster, Add	674.48	
10 21 13 19			Plastic Toilet Compartments (10 21 13)		
10 21 13 19-0001			Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19)		
			Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002			Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0001)		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003			Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002)		
			Note: Includes head rail.		
10 21 13 19-0004	EA		36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,018.28	186.52
			For >10, Deduct	-164.53	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	1,020.06	
10 21 13 19-0005	EA		60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,478.73	200.08
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	1,288.71	
10 21 13 19-0006	EA		60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,743.79	206.86
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	1,444.64	
10 21 13 19-0007			Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002)		
			Note: Excludes above ceiling steel.		
10 21 13 19-0008	EA		36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,023.80	220.43
			For >10, Deduct	-158.29	
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	981.42	
10 21 13 19-0009	EA		60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,524.47	234.00
			For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
			For NFPA Class A, Add	1,275.02	

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 21 13 19-0010	EA 60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,789.54 224.59 1,430.95		240.77
10 21 13 19-0011	Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002) Note: Excludes above ceiling steel.			
10 21 13 19-0012	EA 36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,127.50 -161.88 224.59 1,003.67		254.34
10 21 13 19-0013	EA 60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,517.42 224.59 1,228.60		267.91
10 21 13 19-0014	EA 60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,782.48 224.59 1,384.53		274.69
10 21 13 19-0015	Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors.			
10 21 13 19-0016	Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)			
10 21 13 19-0017	EA 18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	477.91 62.23 195.42		81.36
10 21 13 19-0018	EA 24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	503.89 62.23 203.11		88.14
10 21 13 19-0019	Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)			
10 21 13 19-0020	EA 18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	604.70 62.23 265.62		88.14
10 21 13 19-0021	EA 24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	761.04 62.23 354.14		94.92
10 21 13 19-0022	EA 30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	844.93 62.23 397.75		101.70
10 21 13 19-0023	Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)			
10 21 13 19-0024	EA 24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	618.26 62.23 265.62		94.92
10 21 13 19-0025	EA 36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	774.60 62.23 354.14		101.70
10 21 13 19-0026	EA 48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	916.81 62.23 433.90		108.48
10 21 13 19-0027	Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0001) Note: Includes all standard Columbia Partitions colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.			
10 21 13 19-0028	Recycled Solid Plastic (HDPE), Toilet Partition Doors (10 21 13 19-0027)			
10 21 13 19-0029	EA 24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	477.74 100.14 262.56		27.13
10 21 13 19-0030	EA 26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	516.28 100.14 286.45		27.13
10 21 13 19-0031	EA 30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	561.32 100.14 310.17		30.52
10 21 13 19-0032	EA 34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	639.31 100.14 358.52		30.52
10 21 13 19-0033	EA 36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add For NFPA Class A, Add	657.77 100.14 369.97		30.52
10 21 13 19-0034	Recycled Solid Plastic (HDPE), Toilet Partition Panels (10 21 13 19-0027)			
10 21 13 19-0035	EA 6" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	175.25 62.23 58.19		40.69

			Specialties	10	10
			Interior Specialties	10 20	
			Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	275.90	44.09	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	116.39		
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	376.53	47.48	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	174.57		
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	438.68	50.87	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	208.90		
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	529.70	54.26	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	261.13		
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	565.94	57.65	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	279.40		
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	634.62	61.05	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	317.77		
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	714.61	64.44	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	363.17		
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	780.02	67.82	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	399.51		
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	796.94	69.18	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	408.32		
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	823.71	71.21	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	422.39		
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	929.88	74.60	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	484.01		
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	1,001.73	78.00	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	524.36		
10 21 13 19-0048		82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0027)			
10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	221.50	20.35	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	112.10		
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	246.42	23.73	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	123.34		
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	268.16	27.13	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	132.62		
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	288.30	30.52	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	140.90		
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	323.63	33.91	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	158.60		
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	358.94	37.30	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	176.29		
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	490.97	40.69	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	253.94		
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	554.70	44.09	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	289.25		
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	603.90	47.48	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	315.54		
10 21 13 19-0058		96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0027)			
10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	270.82	27.13	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	134.27		
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	298.22	30.52	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	147.05		
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	328.52	33.91	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	161.63		
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	372.04	37.30	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	184.41		
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	415.99	40.69	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	207.45		
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	459.52	44.09	
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
		For NFPA Class A, Add	230.24		

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
10 21 13 19-0065	EA 18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	587.44 62.23 305.34		47.48
10 21 13 19-0066	EA 22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	656.91 62.23 344.21		50.87
10 21 13 19-0067	EA 24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	714.15 62.23 375.49		54.26
10 21 13 19-0068	Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.			
10 21 13 19-0069	Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0068) Note: Includes all standard Columbia Partitions colors.			
10 21 13 19-0070	Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069) Note: Includes head rail.			
10 21 13 19-0071	EA 36" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,594.12 -222.11 224.59 1,377.08		186.52
10 21 13 19-0072	EA 60" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	3,206.24 224.59 1,739.77		200.08
10 21 13 19-0073	EA 60" x 78", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	3,559.33 224.59 1,950.28		206.86
10 21 13 19-0074	Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069) Note: Excludes above ceiling steel.			
10 21 13 19-0075	EA 36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,577.83 -213.70 224.59 1,324.92		220.43
10 21 13 19-0076	EA 60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	3,244.23 224.59 1,721.28		234.00
10 21 13 19-0077	EA 60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	3,597.33 224.59 1,931.78		240.77
10 21 13 19-0078	Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0069) Note: Excludes above ceiling steel.			
10 21 13 19-0079	EA 36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition..... For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,694.11 -218.54 224.59 1,354.97		254.34
10 21 13 19-0080	EA 60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	3,210.98 224.59 1,658.61		267.91
10 21 13 19-0081	EA 60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	3,564.06 224.59 1,869.11		274.69
10 21 13 19-0082	Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0068) Note: Includes all standard Columbia Partitions colors.			
10 21 13 19-0083	Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)			
10 21 13 19-0084	EA 18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	588.21 62.23 263.80		81.36
10 21 13 19-0085	EA 24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	614.50 62.23 271.69		88.14

			Specialties	10	10
			Interior Specialties	10 20	
			Compartments and Cubicles	10 21	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 13 19-0086			Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0087	EA		18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	947.40	88.14
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	478.09	
10 21 13 19-0088	EA		24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,076.94	94.92
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	550.00	
10 21 13 19-0089	EA		30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,148.19	101.70
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	585.77	
10 21 13 19-0090			Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0082)		
10 21 13 19-0091	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	768.19	94.92
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	358.58	
10 21 13 19-0092	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	974.52	101.70
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	478.09	
10 21 13 19-0093	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,161.76	108.48
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	585.77	
10 21 13 19-0094			Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0068)		
			Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0095			Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors (10 21 13 19-0094)		
10 21 13 19-0096	EA		24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	625.95	27.13
			For Heavy Gauge Full-Height SS Hinge, Add	100.14	
			For NFPA Class A, Add	354.45	
10 21 13 19-0097	EA		26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	678.00	27.13
			For Heavy Gauge Full-Height SS Hinge, Add	100.14	
			For NFPA Class A, Add	386.72	
10 21 13 19-0098	EA		30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	736.41	30.52
			For Heavy Gauge Full-Height SS Hinge, Add	100.14	
			For NFPA Class A, Add	418.72	
10 21 13 19-0099	EA		34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	841.71	30.52
			For Heavy Gauge Full-Height SS Hinge, Add	100.14	
			For NFPA Class A, Add	484.01	
10 21 13 19-0100	EA		36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	866.62	30.52
			For Heavy Gauge Full-Height SS Hinge, Add	100.14	
			For NFPA Class A, Add	499.45	
10 21 13 19-0101			Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels (10 21 13 19-0094)		
10 21 13 19-0102	EA		6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	208.10	40.69
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	78.56	
10 21 13 19-0103	EA		12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	341.60	44.09
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	157.13	
10 21 13 19-0104	EA		18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	475.10	47.48
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	235.69	
10 21 13 19-0105	EA		24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	556.59	50.87
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	282.01	
10 21 13 19-0106	EA		30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	677.10	54.26
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	352.52	
10 21 13 19-0107	EA		36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	723.66	57.65
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	377.18	
10 21 13 19-0108	EA		42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	814.01	61.05
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	429.00	
10 21 13 19-0109	EA		48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	919.64	64.44
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	490.28	
10 21 13 19-0110	EA		55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,005.56	67.82
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	539.34	
10 21 13 19-0111	EA		58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,027.44	69.18
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	551.23	
10 21 13 19-0112	EA		60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,062.15	71.21
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	570.23	
10 21 13 19-0113	EA		70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,203.13	74.60
			For Heavy Gauge Full-Height SS Brackets, Add	62.23	
			For NFPA Class A, Add	653.42	

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 21 13 19-0114	EA	78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,297.73	78.00
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	707.88	

10 21 13 19-0115 82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0094)

10 21 13 19-0116	EA	Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	284.78	20.35
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	151.34	
10 21 13 19-0117	EA	5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	316.05	23.73
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	166.51	
10 21 13 19-0118	EA	6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	343.02	27.13
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	179.03	
10 21 13 19-0119	EA	8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	395.74	30.52
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	207.51	
10 21 13 19-0120	EA	10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	444.58	33.91
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	233.59	
10 21 13 19-0121	EA	12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	493.36	37.30
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	259.63	
10 21 13 19-0122	EA	18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	634.32	40.69
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	342.82	
10 21 13 19-0123	EA	22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	718.00	44.09
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	390.49	
10 21 13 19-0124	EA	24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	782.02	47.48
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	425.98	

10 21 13 19-0125 96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters (10 21 13 19-0094)

10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	346.62	27.13
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	181.26	
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	381.24	30.52
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	198.52	
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	419.78	33.91
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	218.22	
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	476.16	37.30
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	248.97	
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	533.11	40.69
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	280.07	
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	589.48	44.09
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	310.81	
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	759.82	47.48
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	412.21	
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	851.21	50.87
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	464.67	
10 21 13 19-0134	EA	24" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	926.12	54.26
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	506.91	

10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens (10 21 13 19)

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.

10 21 13 19-0136 Solid Phenolic Toilet Partitions (10 21 13 19-0135)

Note: Includes all standard Bobrick colors.

10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136)

10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,106.92	152.60
		<i>For >10, Deduct</i>	-180.17	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	393.62	
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,583.22	166.17
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	489.30	

			Specialties	10
			Interior Specialties	10 20
			Compartments and Cubicles	10 21

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,881.46 224.59 549.76	172.95
10 21 13 19-0141		Overhead Braced, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Includes head rail.		
10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,343.17 -197.01 224.59 432.38	186.52
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,838.28 224.59 532.01	200.08
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	3,150.84 224.59 595.48	206.86
10 21 13 19-0145		Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,426.39 -198.55 224.59 439.00	220.43
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,918.00 224.59 537.90	234.00
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	3,216.24 224.59 598.36	240.77
10 21 13 19-0149		Ceiling Hung, Solid Phenolic, Complete Toilet Partitions (10 21 13 19-0136) Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition For >10, Deduct For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,402.31 -189.36 224.59 423.10	254.34
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	2,878.28 224.59 518.71	267.91
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add For NFPA Class A, Add	3,176.51 224.59 579.17	274.69
10 21 13 19-0153		Solid Phenolic Urinal Screens (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13 19-0154		Floor Anchored, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	777.06 62.23 132.81	94.92
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	877.17 62.23 151.66	101.70
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	1,048.81 62.23 185.53	108.48
10 21 13 19-0158		Wall Hung, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	501.75 62.23 79.33	81.36
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	579.68 62.23 93.53	88.14
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	694.18 62.23 115.40	94.92
10 21 13 19-0162		Wall Hung And Post Supported, Solid Phenolic, Urinal Screens (10 21 13 19-0153)		
10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	510.90 62.23 79.08	88.14
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add For NFPA Class A, Add	635.98 62.23 103.18	94.92

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 21 13 19-0165	EA 30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	741.27 62.23 123.12		101.70
10 21 13 19-0166	Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens (10 21 13 19-0153)			
10 21 13 19-0167	EA 22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	797.35 62.23 139.24		88.14
10 21 13 19-0168	EA 36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	898.05 62.23 158.22		94.92
10 21 13 19-0169	EA 48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,072.92 62.23 192.77		101.70
10 21 13 19-0170	Solid Phenolic Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0135) Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.			
10 21 13 19-0171	Solid Phenolic, Toilet Partition Doors (10 21 13 19-0170)			
10 21 13 19-0172	EA 24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	567.81 100.14 110.56		27.13
10 21 13 19-0173	EA 26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	587.12 100.14 114.61		27.13
10 21 13 19-0174	EA 30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	643.46 100.14 125.36		30.52
10 21 13 19-0175	EA 34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	693.82 100.14 135.93		30.52
10 21 13 19-0176	EA 36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	745.54 100.14 146.80		30.52
10 21 13 19-0177	Solid Phenolic, Toilet Partition Panels (10 21 13 19-0170)			
10 21 13 19-0178	EA 6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	188.42 62.23 26.55		40.69
10 21 13 19-0179	EA 12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	248.67 62.23 38.11		44.09
10 21 13 19-0180	EA 18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	335.68 62.23 55.30		47.48
10 21 13 19-0181	EA 24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	423.60 62.23 72.68		50.87
10 21 13 19-0182	EA 30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	471.75 62.23 81.70		54.26
10 21 13 19-0183	EA 36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	522.28 62.23 91.23		57.65
10 21 13 19-0184	EA 42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	607.91 62.23 108.13		61.05
10 21 13 19-0185	EA 48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	696.05 62.23 125.55		64.44
10 21 13 19-0186	EA 55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	742.18 62.23 134.15		67.82
10 21 13 19-0187	EA 58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	762.77 62.23 138.04		69.18
10 21 13 19-0188	EA 60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	777.57 62.23 140.50		71.21
10 21 13 19-0189	EA 70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	893.08 62.23 163.67		74.60
10 21 13 19-0190	EA 78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,075.80 62.23 200.96		78.00
10 21 13 19-0191	69" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)			
10 21 13 19-0192	EA Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	271.72 28.88 62.23 50.55		20.35

			Specialties	10	10
			Interior Specialties	10 20	
			Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	312.84	23.73
		For 1" Pilaster, Add	.....	33.17	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	58.10	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	319.62	27.13
		For 1" Pilaster, Add	.....	33.17	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	58.44	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	370.04	30.52
		For 1" Pilaster, Add	.....	38.62	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	67.94	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	416.15	33.91
		For 1" Pilaster, Add	.....	43.54	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	76.54	
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	462.27	37.30
		For 1" Pilaster, Add	.....	48.46	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	85.14	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	589.93	40.69
		For 1" Pilaster, Add	.....	63.57	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	110.86	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	723.31	44.09
		For 1" Pilaster, Add	.....	79.39	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	137.79	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	760.14	47.48
		For 1" Pilaster, Add	.....	83.15	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	144.44	
10 21 13 19-0201	83" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)				
10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	297.46	20.35
		For 1" Pilaster, Add	.....	32.10	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	55.96	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	348.60	23.73
		For 1" Pilaster, Add	.....	37.64	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	65.61	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	355.38	27.13
		For 1" Pilaster, Add	.....	37.64	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	65.95	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	411.52	30.52
		For 1" Pilaster, Add	.....	43.81	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	76.65	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	464.78	33.91
		For 1" Pilaster, Add	.....	49.62	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	86.75	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	518.43	37.30
		For 1" Pilaster, Add	.....	55.48	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	96.93	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	673.62	40.69
		For 1" Pilaster, Add	.....	74.03	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	128.44	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	801.65	44.09
		For 1" Pilaster, Add	.....	89.19	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	154.24	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	843.48	47.48
		For 1" Pilaster, Add	.....	93.57	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	161.94	
10 21 13 19-0211	96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)				
10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	336.78	27.13
		For 1" Pilaster, Add	.....	35.32	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	62.04	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	397.93	30.52
		For 1" Pilaster, Add	.....	42.11	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	73.80	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	404.70	33.91
		For 1" Pilaster, Add	.....	42.11	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	74.14	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	.....	466.56	37.30
		For 1" Pilaster, Add	.....	49.00	
		For Heavy Gauge Full-Height SS Brackets, Add	.....	62.23	
		For NFPA Class A, Add	.....	86.04	

10	10	Specialties
	10 20	Interior Specialties
	10 21	Compartments and Cubicles



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	526.99 55.70 62.23 97.65		40.69
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	588.13 62.50 62.23 109.40		44.09
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	770.87 84.49 62.23 146.69		47.48
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	893.52 98.97 62.23 171.36		50.87
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	940.36 103.98 62.23 180.11		54.26
10 21 13 19-0221		Solid Color Reinforced Composite Toilet Partitions And Urinal Screens (10 21 13 19-0221) Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.			
10 21 13 19-0222		Solid Color Reinforced Composite Toilet Partitions (10 21 13 19-0222) Note: Includes all standard Bobrick colors.			
10 21 13 19-0223		Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0223)			
10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,323.13 -201.79 224.59		152.60
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,853.33 224.59		166.17
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,185.73 224.59		172.95
10 21 13 19-0227		Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0227) Note: Includes head rail.			
10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,579.59 -220.66 224.59		186.52
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,130.85 224.59		200.08
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,479.29 224.59		206.86
10 21 13 19-0231		Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0231) Note: Excludes above ceiling steel.			
10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,664.66 -222.38 224.59		220.43
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,212.00 224.59		234.00
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,544.40 224.59		240.77
10 21 13 19-0235		Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions (10 21 13 19-0235) Note: Excludes above ceiling steel.			
10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,629.55 -212.09 224.59		254.34
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	3,159.38 224.59		267.91

			Specialties	10	10
			Interior Specialties	10 20	
			Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0238	EA		60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition For Heavy Gauge Full-Height SS Hinges And Brackets, Add	3,491.77 224.59	274.69
10 21 13 19-0239			Solid Color Reinforced Composite Urinal Screens (10 21 13 19-0221) Note: Includes all standard Bobrick colors.		
10 21 13 19-0240			Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0241	EA		24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	847.53 62.23	94.92
10 21 13 19-0242	EA		36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	958.02 62.23	101.70
10 21 13 19-0243	EA		48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	1,148.63 62.23	108.48
10 21 13 19-0244			Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0245	EA		18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	542.43 62.23	81.36
10 21 13 19-0246	EA		24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	628.09 62.23	88.14
10 21 13 19-0247	EA		30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	754.70 62.23	94.92
10 21 13 19-0248			Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0249	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	551.06 62.23	88.14
10 21 13 19-0250	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	689.52 62.23	94.92
10 21 13 19-0251	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... For Heavy Gauge Full-Height SS Brackets, Add	805.81 62.23	101.70
10 21 13 19-0252			Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens (10 21 13 19-0239)		
10 21 13 19-0253	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add	871.87 62.23	88.14
10 21 13 19-0254	EA		36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add	983.04 62.23	94.92
10 21 13 19-0255	EA		48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen For Heavy Gauge Full-Height SS Brackets, Add	1,177.26 62.23	101.70
10 21 13 19-0256			Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0221) Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
10 21 13 19-0257			Solid Color Reinforced Composite, Toilet Partition Doors (10 21 13 19-0256)		
10 21 13 19-0258	EA		24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add	629.44 100.14	27.13
10 21 13 19-0259	EA		26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add	651.06 100.14	27.13
10 21 13 19-0260	EA		30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add	713.35 100.14	30.52
10 21 13 19-0261	EA		34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add	769.75 100.14	30.52
10 21 13 19-0262	EA		36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door For Heavy Gauge Full-Height SS Hinge, Add	827.68 100.14	30.52
10 21 13 19-0263			Solid Color Reinforced Composite, Toilet Partition Panels (10 21 13 19-0256)		
10 21 13 19-0264	EA		6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add	201.26 62.23	40.69
10 21 13 19-0265	EA		12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add	267.93 62.23	44.09
10 21 13 19-0266	EA		18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add	364.57 62.23	47.48
10 21 13 19-0267	EA		24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add	462.23 62.23	50.87
10 21 13 19-0268	EA		30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add	515.34 62.23	54.26
10 21 13 19-0269	EA		36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add	571.11 62.23	57.65
10 21 13 19-0270	EA		42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add	666.21 62.23	61.05
10 21 13 19-0271	EA		48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... For Heavy Gauge Full-Height SS Brackets, Add	764.12 62.23	64.44

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	814.97		67.82
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	837.70		69.18
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	853.79		71.21
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	982.34		74.60
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	1,186.18		78.00
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0256)					
10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	299.44		20.35
		For 1" Pilaster, Add	32.34		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	344.68		23.73
		For 1" Pilaster, Add	37.15		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	351.46		27.13
		For 1" Pilaster, Add	37.15		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	407.12		30.52
		For 1" Pilaster, Add	43.26		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	457.95		33.91
		For 1" Pilaster, Add	48.77		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	508.79		37.30
		For 1" Pilaster, Add	54.27		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	650.96		40.69
		For 1" Pilaster, Add	71.20		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0285	EA	20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	799.53		44.09
		For 1" Pilaster, Add	88.92		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0286	EA	24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	839.96		47.48
		For 1" Pilaster, Add	93.13		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0287 83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0256)					
10 21 13 19-0288	EA	Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	328.28		20.35
		For 1" Pilaster, Add	35.95		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0289	EA	5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	384.73		23.73
		For 1" Pilaster, Add	42.16		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0290	EA	6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	391.51		27.13
		For 1" Pilaster, Add	42.16		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0291	EA	8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	453.58		30.52
		For 1" Pilaster, Add	49.07		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0292	EA	10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	512.42		33.91
		For 1" Pilaster, Add	55.58		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0293	EA	12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	571.69		37.30
		For 1" Pilaster, Add	62.14		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0294	EA	16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	744.68		40.69
		For 1" Pilaster, Add	82.91		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0295	EA	20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	887.26		44.09
		For 1" Pilaster, Add	99.89		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0296	EA	24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	933.31		47.48
		For 1" Pilaster, Add	104.79		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters (10 21 13 19-0256)					
10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	370.69		27.13
		For 1" Pilaster, Add	39.55		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0299	EA	5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	438.36		30.52
		For 1" Pilaster, Add	47.16		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0300	EA	6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	445.13		33.91
		For 1" Pilaster, Add	47.16		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		
10 21 13 19-0301	EA	8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	513.59		37.30
		For 1" Pilaster, Add	54.87		
		For Heavy Gauge Full-Height SS Brackets, Add	62.23		

			Specialties	10	10
			Interior Specialties	10 20	
			Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0302	EA		10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	580.46 62.38 62.23	40.69
10 21 13 19-0303	EA		12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	648.12 69.99 62.23	44.09
10 21 13 19-0304	EA		16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	851.98 94.63 62.23	47.48
10 21 13 19-0305	EA		20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	988.54 110.85 62.23	50.87
10 21 13 19-0306	EA		24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,040.18 116.46 62.23	54.26
10 21 13 19-0307			Solid Polyester (Corian) Toilet Partitions And Urinal Screens (10 21 13 19) Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0308			Solid Polyester (Corian) Toilet Partitions (10 21 13 19-0307) Note: Small particulate finish.		
10 21 13 19-0309			Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions (10 21 13 19-0308)		
10 21 13 19-0310	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	5,172.49 -486.73 -1,119.47 224.59	152.60
10 21 13 19-0311	EA		60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	6,246.26 -1,360.20 224.59	166.17
10 21 13 19-0312	EA		60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	6,926.70 -1,513.58 224.59	172.95
10 21 13 19-0313			Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions (10 21 13 19-0308)		
10 21 13 19-0314	EA		36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	5,372.88 -499.99 -1,149.97 224.59	186.52
10 21 13 19-0315	EA		60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	7,058.09 -1,531.33 224.59	200.08
10 21 13 19-0316	EA		60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	7,813.20 -1,701.88 224.59	206.86
10 21 13 19-0317			Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions (10 21 13 19-0308) Note: Excludes above ceiling steel.		
10 21 13 19-0318	EA		36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	6,019.02 -557.82 -1,282.98 224.59	220.43
10 21 13 19-0319	EA		60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	8,082.76 -1,751.40 224.59	234.00
10 21 13 19-0320	EA		60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	8,837.29 -1,921.82 224.59	240.77
10 21 13 19-0321			Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions (10 21 13 19-0308) Note: Excludes above ceiling steel.		
10 21 13 19-0322	EA		36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition <i>For >10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	6,079.67 -557.10 -1,281.33 224.59	254.34
10 21 13 19-0323	EA		60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	7,765.50 -1,662.83 224.59	267.91

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
10 21 13 19-0324	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,520.01		274.69	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-1,833.25			
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59			
10 21 13 19-0325		Solid Polyester (Corian) Urinal Screens (10 21 13 19-0307)				
10 21 13 19-0326		Floor Anchored, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0325)				
10 21 13 19-0327	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,427.89		94.92	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-284.75			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0328	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,886.04		101.70	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-387.01			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0329	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	2,344.20		108.48	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-489.26			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0330		Wall Hung, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0325)				
10 21 13 19-0331	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	731.36		81.36	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-130.79			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0332	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	934.45		88.14	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-174.38			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0333	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	1,137.57		94.92	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-217.98			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0334		Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0325)				
10 21 13 19-0335	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	956.28		88.14	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-179.40			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0336	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	1,192.15		94.92	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-230.53			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0337	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	1,427.99		101.70	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-281.66			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0338		Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens (10 21 13 19-0325)				
10 21 13 19-0339	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,462.78		88.14	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-295.90			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0340	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,920.93		94.92	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-398.15			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0341	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	2,379.08		101.70	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-500.41			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0342		Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters (10 21 13 19-0307)				
		See CSI section 10 21 13 43-0000 for accessories, 10 21 13 43-0001 for other accessories.				
10 21 13 19-0343		Solid Polyester (Corian), Toilet Partition Doors (10 21 13 19-0342)				
10 21 13 19-0344	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,128.66		27.13	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-247.11			
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14			
10 21 13 19-0345	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,205.45		27.13	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-264.77			
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14			
10 21 13 19-0346	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,374.65		30.52	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-302.13			
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14			
10 21 13 19-0347	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,533.11		30.52	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-338.57			
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14			
10 21 13 19-0348	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,602.06		30.52	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-354.43			
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14			
10 21 13 19-0349		Solid Polyester (Corian), Toilet Partition Panels (10 21 13 19-0342)				
10 21 13 19-0350	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	303.67		40.69	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-51.12			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0351	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	532.76		44.09	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-102.26			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			
10 21 13 19-0352	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	761.83		47.48	
		<i>For Solid Color Material (No Particulate), Deduct</i>	-153.38			
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23			

			Specialties	10	10
			Interior Specialties	10 20	
			Compartments and Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0353	EA	24" x 58" x 1/2"	Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	990.92 -204.51 62.23	50.87
10 21 13 19-0354	EA	30" x 58" x 1/2"	Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,219.98 -255.64 62.23	54.26
10 21 13 19-0355	EA	36" x 58" x 1/2"	Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,449.04 -306.76 62.23	57.65
10 21 13 19-0356	EA	42" x 58" x 1/2"	Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,678.13 -357.89 62.23	61.05
10 21 13 19-0357	EA	48" x 58" x 1/2"	Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,907.19 -409.02 62.23	64.44
10 21 13 19-0358	EA	55" x 58" x 1/2"	Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,173.32 -468.66 62.23	67.82
10 21 13 19-0359	EA	58" x 58" x 1/2"	Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,287.20 -494.23 62.23	69.18
10 21 13 19-0360	EA	60" x 58" x 1/2"	Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,365.35 -511.27 62.23	71.21
10 21 13 19-0361	EA	70" x 58" x 1/2"	Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,742.62 -596.48 62.23	74.60
10 21 13 19-0362	EA	78" x 58" x 1/2"	Solid Polyester (Corian), Toilet Partition Panel..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	3,045.78 -664.65 62.23	78.00
10 21 13 19-0363	72" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)				
10 21 13 19-0364	EA	Up To 4" x 72" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	389.56 -80.24 62.23	20.35
10 21 13 19-0365	EA	5" x 72" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	483.57 -100.30 62.23	23.73
10 21 13 19-0366	EA	6" x 72" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	577.57 -120.36 62.23	27.13
10 21 13 19-0367	EA	8" x 72" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	758.82 -160.49 62.23	30.52
10 21 13 19-0368	EA	10" x 72" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	940.03 -200.61 62.23	33.91
10 21 13 19-0369	EA	12" x 72" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,121.25 -240.73 62.23	37.30
10 21 13 19-0370	EA	18" x 72" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,651.35 -361.09 62.23	40.69
10 21 13 19-0371	EA	22" x 72" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,007.03 -441.34 62.23	44.09
10 21 13 19-0372	EA	24" x 72" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,188.25 -481.46 62.23	47.48
10 21 13 19-0373	82" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)				
10 21 13 19-0374	EA	Up To 4" x 82" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	438.01 -91.38 62.23	20.35
10 21 13 19-0375	EA	5" x 82" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	544.16 -114.24 62.23	23.73
10 21 13 19-0376	EA	6" x 82" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	638.91 -134.47 62.23	27.13
10 21 13 19-0377	EA	8" x 82" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	870.88 -186.26 62.23	30.52
10 21 13 19-0378	EA	10" x 82" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,061.16 -228.47 62.23	33.91
10 21 13 19-0379	EA	12" x 82" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,266.60 -274.16 62.23	37.30
10 21 13 19-0380	EA	18" x 82" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,869.41 -411.24 62.23	40.69
10 21 13 19-0381	EA	22" x 82" x 1"	Solid Polyester (Corian), Toilet Partition Pilaster..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,273.54 -502.64 62.23	44.09

10 Specialties**10 20 Interior Specialties****10 21 Compartments and Cubicles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 21 13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	2,478.99	47.48
		<i>For Solid Color Material (No Particulate), Deduct</i>	-548.33	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	

10 21 13 19-0383 96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters (10 21 13 19-0342)

10 21 13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	577.57	27.13
		<i>For Solid Color Material (No Particulate), Deduct</i>	-120.36	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	715.20	30.52
		<i>For Solid Color Material (No Particulate), Deduct</i>	-150.45	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	852.81	33.91
		<i>For Solid Color Material (No Particulate), Deduct</i>	-180.55	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,121.25	37.30
		<i>For Solid Color Material (No Particulate), Deduct</i>	-240.73	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,389.69	40.69
		<i>For Solid Color Material (No Particulate), Deduct</i>	-300.91	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	1,658.13	44.09
		<i>For Solid Color Material (No Particulate), Deduct</i>	-361.09	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	2,449.91	47.48
		<i>For Solid Color Material (No Particulate), Deduct</i>	-541.64	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	2,980.03	50.87
		<i>For Solid Color Material (No Particulate), Deduct</i>	-662.01	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster.....	3,248.46	54.26
		<i>For Solid Color Material (No Particulate), Deduct</i>	-722.19	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	

10 21 13 43 Compartments and Cubicles Common Accessories (10 21 13)

10 21 13 43-0001 Accessories (10 21 13 43)

10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	15.09	2.72
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens.....	25.89	2.72
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts.....	120.86	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket.....	79.20	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket.....	131.63	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket.....	93.32	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket.....	222.13	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors.....	202.23	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge.....	155.46	

10 21 16 Shower and Dressing Compartments (10 21)

10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)

10 21 16 17-0001 Shower Dividers (10 21 16 17)

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001)

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,214.96	169.56
		<i>For 66" High Panels, Add</i>	131.38	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,534.04	183.13
		<i>For 66" High Panels, Add</i>	175.17	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,991.81	203.47
		<i>For 66" High Panels, Add</i>	237.73	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	2,351.55	237.39
		<i>For 66" High Panels, Add</i>	281.52	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	2,711.33	271.30
		<i>For 66" High Panels, Add</i>	325.31	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 17-0001)

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Head rail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in head rail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track.....	2,959.34	298.02
		<i>For 66" High Panels, Add</i>	414.10	
		<i>For 6" Wide Head Rail, Add</i>	76.86	
		<i>For 8" Wide Head Rail, Add</i>	106.45	
		<i>For 10" Wide Head Rail, Add</i>	130.09	
		<i>For 12" Wide Head Rail, Add</i>	156.70	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	144.60	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	184.60	

		Specialties	10
		Interior Specialties	10 20
		Compartments and Cubicles	10 21

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,663.01	325.41
		For 66" High Panels, Add	516.91	
		For 6" Wide Head Rail, Add	96.87	
		For 8" Wide Head Rail, Add	133.50	
		For 10" Wide Head Rail, Add	163.62	
		For 12" Wide Head Rail, Add	197.00	
		For 18" Wide, 1/2" Thick Bench, Add	150.09	
		For 24" Wide, 1/2" Thick Bench, Add	190.09	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,631.00	346.04
		For 66" High Panels, Add	660.05	
		For 6" Wide Head Rail, Add	125.09	
		For 8" Wide Head Rail, Add	171.40	
		For 10" Wide Head Rail, Add	210.79	
		For 12" Wide Head Rail, Add	253.64	
		For 18" Wide, 1/2" Thick Bench, Add	154.21	
		For 24" Wide, 1/2" Thick Bench, Add	194.21	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,944.89	387.13
		For 66" High Panels, Add	703.02	
		For 6" Wide Head Rail, Add	132.86	
		For 8" Wide Head Rail, Add	182.31	
		For 10" Wide Head Rail, Add	224.02	
		For 12" Wide Head Rail, Add	269.60	
		For 18" Wide, 1/2" Thick Bench, Add	162.42	
		For 24" Wide, 1/2" Thick Bench, Add	202.42	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,660.87	420.77
		For 66" High Panels, Add	807.06	
		For 6" Wide Head Rail, Add	153.00	
		For 8" Wide Head Rail, Add	209.61	
		For 10" Wide Head Rail, Add	257.80	
		For 12" Wide Head Rail, Add	310.20	
		For 18" Wide, 1/2" Thick Bench, Add	169.15	
		For 24" Wide, 1/2" Thick Bench, Add	209.15	

10 21 23 Cubicle Curtains and Track (10 21)

10 21 23 13 Cubicle Curtains (10 21 23)

10 21 23 13-0001 Hospital Curtains With Nylon Mesh Tops (10 21 23 13)

10 21 23 13-0002	LF	84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	21.29	1.16
10 21 23 13-0003	LF	90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	22.56	1.16
10 21 23 13-0004	LF	96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	24.16	1.16
10 21 23 13-0005	LF	102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	25.44	1.16
10 21 23 13-0006	LF	108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	26.72	1.16
10 21 23 13-0007	LF	120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	29.18	1.16

10 21 23 16 Cubicle Track and Hardware (10 21 23)

10 21 23 16-0001 Hospital Bendable Curtain Track (10 21 23 16)

10 21 23 16-0002	EA	105', Bendable Curtain Track (InPro 115237)	1,389.72	88.32
10 21 23 16-0003	EA	16', Bendable Curtain Track (InPro 115236)	268.51	50.44
10 21 23 16-0004	EA	8', Bendable Curtain Track (InPro 115235)	153.35	33.62

10 21 23 16-0005 Hospital Cubicle Curtain Channel Track (10 21 23 16)

Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings. (Medline)

10 21 23 16-0006	LF	Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	24.83	6.17
10 21 23 16-0007	LF	Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	38.88	6.78

10 21 23 16-0008 Hospital IV Tracks (10 21 23 16)

10 21 23 16-0009	LF	Oval Hospital Partition IV Track	24.40	3.87
10 21 23 16-0010	EA	Hospital Partition IV Trolley	131.27	16.14
10 21 23 16-0011	EA	5 Hook Tree, Hospital Partition IV Pendant	513.53	16.14

10 22 Partitions (10 20)

10 22 13 Wire Mesh Partitions (10 22)

10 22 13 00-0001 Wall Panels (10 22 13)

Note: Includes steel frame and posts. Posts bolted to floor.

10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.64	1.70
		For 5' Wide Panels, Add	0.56	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.27	2.03
		For 5' Wide Panels, Add	0.61	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	24.49	2.37
		For 5' Wide Panels, Add	0.99	

10 22 13 00-0005 Ceiling Panels (10 22 13)

Note: Includes steel frame.

10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.25	2.03
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.88	2.37
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	18.73	2.72

10	10	Specialties
	10 20	Interior Specialties
	10 22	Partitions



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 22 13 00-0009			Sliding Doors (10 22 13) Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA		4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	1,450.89	356.08
			For 8 Gauge, Add.....	146.42	
			For 6 Gauge, Add.....	292.84	
10 22 13 00-0011	EA		4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	1,535.51	393.38
			For 8 Gauge, Add.....	151.65	
			For 6 Gauge, Add.....	303.30	
10 22 13 00-0012	EA		5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	1,670.32	406.95
			For 8 Gauge, Add.....	169.16	
			For 6 Gauge, Add.....	338.32	
10 22 13 00-0013	EA		5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	1,820.78	440.86
			For 8 Gauge, Add.....	184.95	
			For 6 Gauge, Add.....	369.89	
10 22 13 00-0014	EA		6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	1,887.55	467.98
			For 8 Gauge, Add.....	189.54	
			For 6 Gauge, Add.....	379.07	
10 22 13 00-0015	EA		6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,069.53	495.12
			For 8 Gauge, Add.....	211.41	
			For 6 Gauge, Add.....	422.82	
10 22 13 00-0016	EA		8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,224.28	532.42
			For 8 Gauge, Add.....	227.16	
			For 6 Gauge, Add.....	454.32	
10 22 13 00-0017	EA		8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,411.98	556.15
			For 8 Gauge, Add.....	250.57	
			For 6 Gauge, Add.....	501.13	
10 22 13 00-0018	EA		10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,436.61	569.72
			For 8 Gauge, Add.....	251.55	
			For 6 Gauge, Add.....	503.10	
10 22 13 00-0019	EA		10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock.....	2,679.73	603.63
			For 8 Gauge, Add.....	281.23	
			For 6 Gauge, Add.....	562.47	

10 22 13 00-0020 **Swing Doors** (10 22 13)

10 22 13 00-0021 **Single Swing Door** (10 22 13 00-0020)

10 22 13 00-0022	EA		3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	985.55	210.25
			For 8 Gauge, Add.....	102.62	
			For 6 Gauge, Add.....	205.23	
10 22 13 00-0023	EA		3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,058.24	237.39
			For 8 Gauge, Add.....	111.26	
			For 6 Gauge, Add.....	222.52	
10 22 13 00-0024	EA		3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,132.95	250.95
			For 8 Gauge, Add.....	119.75	
			For 6 Gauge, Add.....	239.51	
10 22 13 00-0025	EA		4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,126.07	271.30
			For 8 Gauge, Add.....	114.65	
			For 6 Gauge, Add.....	229.30	
10 22 13 00-0026	EA		4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,203.28	284.85
			For 8 Gauge, Add.....	123.52	
			For 6 Gauge, Add.....	247.04	
10 22 13 00-0027	EA		4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock.....	1,257.58	298.42
			For 8 Gauge, Add.....	128.95	
			For 6 Gauge, Add.....	257.90	

10 22 13 00-0028 **Double Swing Doors** (10 22 13 00-0020)

10 22 13 00-0029	EA		6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,552.19	339.12
			For 8 Gauge, Add.....	165.01	
			For 6 Gauge, Add.....	330.01	
10 22 13 00-0030	EA		6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,677.12	359.47
			For 8 Gauge, Add.....	179.68	
			For 6 Gauge, Add.....	359.35	
10 22 13 00-0031	EA		6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,802.03	379.81
			For 8 Gauge, Add.....	194.34	
			For 6 Gauge, Add.....	388.68	

		Specialties	10
		Interior Specialties	10 20
		Partitions	10 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0032	EA		8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,934.02	406.95
			For 8 Gauge, Add	208.72	
			For 6 Gauge, Add	417.43	
10 22 13 00-0033	EA		8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,110.54	427.29
			For 8 Gauge, Add	231.12	
			For 6 Gauge, Add	462.25	
10 22 13 00-0034	EA		8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,285.10	447.64
			For 8 Gauge, Add	253.24	
			For 6 Gauge, Add	506.48	
10 22 13 00-0035 Dutch Doors (10 22 13)					
Note: Includes padlocks lugs and/or provisions for cylinder lock.					
10 22 13 00-0036	EA		3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,306.60	210.25
			For 8 Gauge, Add	150.77	
			For 6 Gauge, Add	301.55	
10 22 13 00-0037	EA		3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,385.01	237.39
			For 8 Gauge, Add	160.28	
			For 6 Gauge, Add	320.55	
10 22 13 00-0038	EA		3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,427.98	250.95
			For 8 Gauge, Add	164.01	
			For 6 Gauge, Add	328.02	
10 22 13 00-0039	EA		3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,511.62	284.85
			For 8 Gauge, Add	169.77	
			For 6 Gauge, Add	339.54	
10 22 13 00-0040	EA		4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,451.76	271.30
			For 8 Gauge, Add	163.51	
			For 6 Gauge, Add	327.01	
10 22 13 00-0041	EA		4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,539.18	284.85
			For 8 Gauge, Add	173.91	
			For 6 Gauge, Add	347.81	
10 22 19 Demountable Partitions (10 22)					
10 22 19 13 Demountable Metal Partitions (10 22 19)					
10 22 19 13-0001	LF		9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	183.47	21.56
			For >9, Add 22.93		
10 22 19 13-0002	LF		7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	160.83	17.17
			For >9, Add 20.10		
10 22 19 13-0003	LF		5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	138.20	12.91
			For >9, Add 17.28		
10 22 19 13-0004	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel.....	269.11	17.17
			For >9, Add 33.64		
10 22 19 13-0005	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric.....	396.49	18.46
			For >9, Add 49.56		
10 22 19 43 Demountable Composite Partitions (10 22 19)					
10 22 19 43-0001	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	281.67	21.56
			For >9, Add 35.21		
10 22 19 43-0002	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	352.30	23.50
			For >9, Add 44.04		
10 22 19 43-0003	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	58.98	3.23
			For Acoustical Partitions, Add	5.26	
10 22 19 43-0004	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	74.00	5.42
			For Acoustical Partitions, Add	6.31	
10 22 19 43-0005	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick.....	62.90	3.36
			For Acoustical Partitions, Add	5.61	
10 22 19 43-0006	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick.....	89.93	4.65
			For Acoustical Partitions, Add	8.08	
10 22 19 53 Demountable Gypsum Partitions (10 22 19)					
10 22 19 53-0001 Demountable Gypsum Partitions (10 22 19 53)					
10 22 19 53-0002	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad	151.43	21.56
			For >9, Add 18.93		
10 22 19 53-0003	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad	266.54	23.50
			For >9, Add 33.32		
10 22 19 53-0004	LF		9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad	286.40	25.83
			For >9, Add 35.80		
10 22 19 53-0005	LF		9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad.....	229.02	21.56
			For >9, Add 28.63		
10 22 19 53-0006	LF		9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad	380.37	23.50
			For >9, Add 47.55		

10	10	Specialties
	10 20	Interior Specialties
	10 22	Partitions



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 22 23 Portable Partitions, Screens, and Panels (10 22)

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used.
For 100 percent glass 1/4" tempered plate is used.

10 22 23 13 Wall Screens (10 22 23)

10 22 23 13-0001 Privacy Screens, Free Standing (10 22 23 13)

10 22 23 13-0002	EA	62-1/2" Wide x 70" High, Single Panel, PVC Frame, Stationary, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (DQE MC4022).....	218.46	23.10
10 22 23 13-0003	EA	62-1/2" Wide x 66" High, Single Panel, PVC Frame, Stationary, Privacy Screen With Blue Vinyl PVC Fabric (DQE MC5032).....	477.12	23.10
10 22 23 13-0004	EA	62" Wide x 74" High, Four Panel, PVC Frame, Stationary, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (DQE MCK5022).....	840.46	32.33
10 22 23 13-0005	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Vinyl Fabric (R&B Wire Products PSS-3C).....	444.68	27.71
10 22 23 13-0006	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3CUS).....	417.54	27.71
10 22 23 13-0007	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (R&B Wire Products PSS-3C/AM/BF).....	727.11	27.71
10 22 23 13-0008	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/PB).....	493.47	27.71
10 22 23 13-0009	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/WHT).....	493.47	27.71
10 22 23 13-0010	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Beige Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/C).....	493.47	27.71
10 22 23 13-0011	EA	81" Wide x 67" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue, Beige, Green Or Mauve Flame Retardant Anti-microbial Fabric (R&B Wire Products PSS-3C/AM/BF-M-BGF or GG).....	727.11	27.71
10 22 23 13-0012	EA	81" Wide x 67" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Vinyl Fabric (R&B Wire Products PSS-3US).....	406.63	27.71

10 22 23 23 Movable Panel Systems (10 22 23)

10 22 23 23-0001 Portable Partitions (10 22 23 23)

10 22 23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	354.11	10.33
10 22 23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	377.47	11.49
10 22 23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	448.75	13.82
10 22 23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	261.02	5.94
10 22 23 23-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	277.02	6.84
10 22 23 23-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	311.37	8.26
10 22 23 23-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	265.47	6.33
10 22 23 23-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	472.24	11.49
10 22 23 23-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	518.95	13.82
10 22 23 23-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	275.39	7.88
10 22 23 23-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	313.29	9.17
10 22 23 23-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	252.45	6.84
10 22 23 23-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	283.29	8.26
10 22 23 23-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	419.59	11.49
10 22 23 23-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	473.32	13.82
10 22 23 23-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	426.61	11.49
10 22 23 23-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	518.95	13.82
10 22 23 23-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	329.67	6.84
10 22 23 23-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	371.04	8.26
10 22 23 23-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	347.96	6.33
10 22 23 23-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	415.11	7.49
10 22 23 23-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	201.68	7.88
10 22 23 23-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	237.83	9.17
10 22 23 23-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	214.85	8.26
10 22 23 23-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	156.66	6.33
10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	255.21	8.26
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides	290.99	8.66
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides	234.42	8.39

10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) (10 22 23 23)

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	726.24	
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	689.93	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	544.67	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	629.40	
10 22 23 23-0035	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,228.60	
10 22 23 23-0036	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	251.07	
10 22 23 23-0037	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	332.85	
10 22 23 23-0038	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	357.06	
10 22 23 23-0039	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	208.71	
10 22 23 23-0040	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)	1,470.70	
Note: Includes a hydraulic closer and a lever style lockset standard.				
10 22 23 23-0041	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	208.71	
10 22 23 23-0042	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	1,107.55	
Note: Includes a hydraulic closer and a lever style lockset standard.				
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003).....	15.64	
Note: To seal panels to existing walls				
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	339.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
10 22 23 23-0045			Adjustable Barrier Panel System (Starc Systems, Inc.) (10 22 23 23)		
10 22 23 23-0046	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 12" Wide (Starc S3-WM-12).....834.15 Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0047	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 18" Wide (Starc S3-WM-18).....941.09 Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0048	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 24" Wide (Starc S3-WM-24).....1,035.93 Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0049	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 32" Wide (Starc S3-WM-32).....1,099.19 Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0050	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 42" Wide (Starc S3-WM-42).....1,257.27 Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0051	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Negative Air Management Panel, Expandable From 6'-10" To 10'-3", 18" Wide (Starc S3-AIR-24).....1,352.13 Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0052	EA		Containment Wall/Dust Barrier, 42" Hinged Door (Starc S3-HD-42) .....1,984.50 Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset it not included.		
10 22 23 23-0053	EA		Containment Wall/Dust Barrier, 42" Hinged Door With Handleset And Closer (Starc S3-HD-42H) .....2,680.10 Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.		
10 22 23 23-0054	EA		Containment Wall/Dust Barrier, 54" Hinged Door With Handleset And Closer (Starc S3-HD-54H) .....2,933.05 Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.		
10 22 23 23-0055	EA		Containment Wall/Dust Barrier, 42" Sliding Door With ICU Latch (Starc S3-SD-42) .....3,059.52 Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.		
10 22 23 23-0056	EA		Containment Wall/Dust Barrier, 54" Sliding Door With ICU Latch (Starc S3-SD-54) .....3,249.24 Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.		
10 22 23 23-0057	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Interface (Starc S1-RWI).....485.77 Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.		
10 22 23 23-0058	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Interface (Starc S1-LWI) .....485.77 Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.		
10 22 23 23-0059	EA		Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Filler Panel Kit (Starc S1-FP) .....245.48 Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.		
10 22 23 23-0060	EA		Containment Wall/Dust Barrier, Wall Mounted Differential Pressure Monitor (Starc S1-RPM-RT1) .....1,460.41 Note: Includes installation of wall mounted differential pressure monitor for containment wall.		
10 22 23 23-0061	EA		Containment Wall/Dust Barrier, Accessories, Ceiling Grid Clip, 9/16" To 15/16" (Starc S1-FGC) .....16.08 Note: Includes attaching ceiling grid clip to containment barrier panel and ceiling grid		
10 22 23 23-0062	EA		Containment Wall/Dust Barrier, Accessories, Ceiling Grid Clip, Ultraline Grid (Starc S1-FGC-U) .....15.45 Note: Includes attaching ceiling grid clip to containment barrier panel and ceiling grid		
10 22 23 23-0063	EA		Containment Wall/Dust Barrier, Accessories, Flexible Corner, 15 To 90 Degrees (Starc S1-FC) .....403.58 Note: Includes setting, leveling and plumbing of containment wall/dust barrier flexible corner.		
10 22 23 23-0064	EA		Containment Wall/Dust Barrier, Accessories, Right Hand T-Intersection (Starc S1-OT-R) .....593.29 Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection.		
10 22 23 23-0065	EA		Containment Wall/Dust Barrier, Accessories, Left Hand T-Intersection (Starc S1-OT-L) .....593.29 Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection.		
10 22 23 23-0066	EA		Containment Wall/Dust Barrier, Accessories, T-Intersection Bracket (Starc S1-IT) .....245.48 Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection bracket.		
10 22 23 23-0067	EA		Containment Wall/Dust Barrier, Accessories, Quad Screw Joiner Plate (Starc S1-JP) .....14.81 Note: Includes installation of quad screw joiner plate for containment barrier.		
10 22 23 23-0068	EA		Containment Wall/Dust Barrier, Accessories, Floor Panel Brace (Starc S3-FPB) .....258.13 Note: Includes installation of containment barrier floor panel brace.		
10 22 23 23-0069	EA		Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 12" Wide (Starc LB-WM-12).....517.97 Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0070	EA		Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 18" Wide (Starc LB-WM-18).....593.29 Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0071	EA		Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 24" Wide (Starc LB-WM-24).....656.52 Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0072	EA		Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 36" Wide (Starc LB-WM-36).....782.99 Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0073	EA		Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 48" Wide (Starc LB-WM-48).....877.85 Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0074	EA		Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Negative Air Management Panel, 24" Wide (Starc LB-AIR-24).....972.70 Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.		
10 22 23 23-0075	EA		Lightweight Containment Wall/Dust Barrier, 42" Hinged Door (Starc LB-HD-42H) .....1,788.47 Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset and closer are included		
10 22 23 23-0076	EA		Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Interface (Starc LB-RWI) .....340.33 Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.		
10 22 23 23-0077	EA		Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Interface (Starc LB-LWI) .....340.33 Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.		
10 22 23 23-0078	EA		Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Filler Panel (Starc LB-RFP) .....289.74 Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.		

10	10	Specialties
	10 20	Interior Specialties
	10 22	Partitions



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 22 23 23-0079	EA		Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Filler Panel (Starc LB-LFP).....	289.74	
			Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.		
10 22 23 23-0080	EA		Lightweight Containment Wall/Dust Barrier, Accessories, Flexible Corner (Starc LB-FC).....	371.95	
			Note: Includes setting, leveling and plumbing of containment wall/dust barrier flexible corner.		

10 22 33 Accordion Folding Partitions (10 22)

10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	96.12	6.39
			For <135, Add	19.22	
10 22 33 00-0003	SF	20	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	97.63	6.61
			For <135, Add	19.53	
10 22 33 00-0004	SF	31	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	102.23	6.81
			For <135, Add	20.45	
10 22 33 00-0005	SF	35	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	108.42	7.04
			For <135, Add	21.68	
10 22 33 00-0006	SF	39	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	110.33	7.25
			For <135, Add	22.07	
10 22 33 00-0007	SF	40	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	111.70	7.46
			For <135, Add	22.34	
10 22 33 00-0008	SF	41	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	113.03	7.67
			For <135, Add	22.61	
10 22 33 00-0009	SF	44	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	114.76	8.09
			For <135, Add	22.95	
10 22 33 00-0010	SF	47	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	121.52	8.09
			For <135, Add	24.30	
10 22 33 00-0011	SF	50	STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	128.29	8.09
			For <135, Add	25.66	

10 22 43 Sliding Partitions (10 22)

10 22 43 00-0001 Operable Wall (10 22 43)

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	257.30	25.28
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	-11.72	
		For 49 STC, Add	14.88	
		For 52 STC, Add	22.54	
10 22 43 00-0003	SF	>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	237.99	20.36
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	-11.47	
		For 49 STC, Add	14.56	
		For 52 STC, Add	22.06	
10 22 43 00-0004	SF	>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	223.86	16.90
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	-11.23	
		For 49 STC, Add	14.25	
		For 52 STC, Add	21.59	
10 22 43 00-0005	SF	Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	218.07	17.76
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	-10.67	
		For 49 STC, Add	13.55	
		For 52 STC, Add	20.53	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	203.48	14.44
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	-10.37	
		For 49 STC, Add	13.16	
		For 52 STC, Add	19.95	
10 22 43 00-0007	SF	>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	194.99	13.00
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	-10.12	
		For 49 STC, Add	12.85	
		For 52 STC, Add	19.46	
10 22 43 00-0008	SF	Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	193.09	14.01
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	-9.80	
		For 49 STC, Add	12.44	
		For 52 STC, Add	18.85	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	182.13	11.99
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	-9.49	
		For 49 STC, Add	12.05	
		For 52 STC, Add	18.25	

			Specialties	10	10
			Interior Specialties	10 20	
			Partitions	10 22	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 22 43 00-0010	SF	>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	174.63	10.68
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	-9.25	
		For 49 STC, Add	11.74	
		For 52 STC, Add	17.79	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	201.07	16.90
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	-9.73	
		For 49 STC, Add	12.35	
		For 52 STC, Add	18.71	
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	184.67	12.85
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	-9.47	
		For 49 STC, Add	12.02	
		For 52 STC, Add	18.21	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	175.24	10.83
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	-9.25	
		For 49 STC, Add	11.74	
		For 52 STC, Add	17.79	

10 26 Wall and Door Protection (10 20)

10 26 13 Corner Guards (10 26)

10 26 13 00-0001		Vinyl Corner Guards (10 26 13)		
10 26 13 00-0002		Rigid Vinyl Corner Guards (10 26 13 00-0001)		
10 26 13 00-0003		Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0002)		
10 26 13 00-0004		90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)		
10 26 13 00-0005	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34).....	8.87	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.16	
10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12).....	9.38	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.18	
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13).....	12.19	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.32	
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14).....	15.71	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.50	
10 26 13 00-0009		135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)		
10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245).....	15.08	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.47	
10 26 13 00-0011		Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0001)		
		Note: Includes closure caps.		
10 26 13 00-0012		Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0011)		
10 26 13 00-0013		90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		
10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20).....	15.91	6.10
		For >50 To 100, Deduct	-2.54	
		For >100 To 200, Deduct	-3.56	
		For >200, Deduct	-4.86	
		For Recycled Vinyl Retainer, Deduct	-1.15	
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10).....	17.47	6.10
		For >50 To 100, Deduct	-2.54	
		For >100 To 200, Deduct	-3.56	
		For >200, Deduct	-4.94	
		For Recycled Vinyl Retainer, Deduct	-1.46	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30).....	19.04	6.10
		For >50 To 100, Deduct	-2.54	
		For >100 To 200, Deduct	-3.56	
		For >200, Deduct	-5.02	
		For Recycled Vinyl Retainer, Deduct	-1.77	
10 26 13 00-0017		135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)		

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall and Door Protection



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST		UNIT COST
10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135).....	21.97		6.10
		For >50 To 100, Deduct	-2.54		
		For >100 To 200, Deduct	-3.56		
		For >200, Deduct	-5.17		
		For Recycled Vinyl Retainer, Deduct	-2.36		
10 26 13 00-0019		End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0012)			
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.			
10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11).....	30.98		8.13
		For >50 To 100, Deduct	-3.39		
		For >100 To 200, Deduct	-4.75		
		For >200, Deduct	-6.97		
		For Recycled Vinyl Retainer, Deduct	-3.48		
10 26 13 00-0021		Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0011)			
10 26 13 00-0022		90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)			
10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	20.41		6.10
		For >50 To 100, Deduct	-2.54		
		For >100 To 200, Deduct	-3.56		
		For >200, Deduct	-5.09		
		For Up To 2 HR Fire Rated, Add	7.17		
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	24.13		6.10
		For >50 To 100, Deduct	-2.54		
		For >100 To 200, Deduct	-3.56		
		For >200, Deduct	-5.27		
		For Up To 2 HR Fire Rated, Add	9.77		
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32).....	22.53		6.10
		For >50 To 100, Deduct	-2.54		
		For >100 To 200, Deduct	-3.56		
		For >200, Deduct	-5.19		
		For Up To 2 HR Fire Rated, Add	8.65		
10 26 13 00-0026		135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)			
10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	25.71		6.10
		For >50 To 100, Deduct	-2.54		
		For >100 To 200, Deduct	-3.56		
		For >200, Deduct	-5.35		
		For Up To 2 HR Fire Rated, Add	10.88		
10 26 13 00-0028		End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers (10 26 13 00-0021)			
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.			
10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	52.08		8.13
		For >50 To 100, Deduct	-3.39		
		For >100 To 200, Deduct	-4.75		
		For >200, Deduct	-8.03		
		For Up To 2 HR Fire Rated, Add	26.96		
10 26 13 00-0030		Flexible Vinyl Corner Guards (10 26 13 00-0001)			
		Note: Includes adhesive for installation.			
10 26 13 00-0031		Surface Mounted, Flexible Vinyl Corner Guards (10 26 13 00-0030)			
10 26 13 00-0032		90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards (10 26 13 00-0031)			
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9).....	11.61		4.07
		For >50 To 100, Deduct	-1.70		
		For >100 To 200, Deduct	-2.37		
		For >200, Deduct	-3.29		
		For Bolting To Concrete Or Masonry, Add	2.76		
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	14.40		4.07
		For >50 To 100, Deduct	-1.70		
		For >100 To 200, Deduct	-2.37		
		For >200, Deduct	-3.43		
		For Bolting To Concrete Or Masonry, Add	3.18		
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	16.67		4.07
		For >50 To 100, Deduct	-1.70		
		For >100 To 200, Deduct	-2.37		
		For >200, Deduct	-3.55		
		For Bolting To Concrete Or Masonry, Add	3.52		
10 26 13 00-0036		Polycarbonate Corner Guards (10 26 13)			

		Specialties	10
		Interior Specialties	10 20
		Wall and Door Protection	10 26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0037		Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0036)		
10 26 13 00-0038		90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0037)		
10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	8.24	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.12	
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	9.61	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.19	
10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	11.20	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.27	
10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	12.17	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.32	
10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	11.81	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.30	
10 26 13 00-0044		135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards (10 26 13 00-0037)		
10 26 13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	12.17	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.32	
10 26 13 00-0046		Aluminum Corner Guards (10 26 13)		
10 26 13 00-0047		Surface Mounted, Aluminum Corner Guards (10 26 13 00-0046)		
10 26 13 00-0048		90 Degree Angle, Surface Mounted, Aluminum Corner Guards (10 26 13 00-0047)		
10 26 13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	11.01	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.26	
10 26 13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	12.86	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.36	
10 26 13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	14.00	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.41	
10 26 13 00-0052		135 Degree Angle, Surface Mounted, Aluminum Corner Guards (10 26 13 00-0047)		
10 26 13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	11.01	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.26	
10 26 13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	12.86	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.36	
10 26 13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	14.00	4.07
		For >50 To 100, Deduct	-1.70	
		For >100 To 200, Deduct	-2.37	
		For >200, Deduct	-3.41	
10 26 13 00-0056		Steel Corner Guards (10 26 13)		
10 26 13 00-0057		Steel Angle Iron, Corner Guards (10 26 13 00-0056)		
10 26 13 00-0058		Surface Mounted, Steel Angle Iron, Corner Guards (10 26 13 00-0057)		
10 26 13 00-0059		90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards (10 26 13 00-0058)		
10 26 13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	14.11	4.89
		For Galvanizing, Add	2.09	
		For >50 To 100, Deduct	-2.03	
		For >100 To 200, Deduct	-2.85	
		For >200, Deduct	-3.96	
10 26 13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.55	5.29
		For Galvanizing, Add	3.06	
		For >50 To 100, Deduct	-2.21	
		For >100 To 200, Deduct	-3.09	
		For >200, Deduct	-4.41	
10 26 13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	18.60	5.49
		For Galvanizing, Add	3.31	
		For >50 To 100, Deduct	-2.29	
		For >100 To 200, Deduct	-3.20	
		For >200, Deduct	-4.59	

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 26 13 00-0063	LF 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	19.06	5.69
	For Galvanizing, Add	3.35	
	For >50 To 100, Deduct	-2.37	
	For >100 To 200, Deduct	-3.32	
	For >200, Deduct	-4.75	
10 26 13 00-0064	LF 3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	23.21	5.90
	For Galvanizing, Add	4.68	
	For >50 To 100, Deduct	-2.46	
	For >100 To 200, Deduct	-3.44	
	For >200, Deduct	-5.09	
10 26 13 00-0065	LF 4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	27.38	6.10
	For Galvanizing, Add	6.02	
	For >50 To 100, Deduct	-2.54	
	For >100 To 200, Deduct	-3.56	
	For >200, Deduct	-5.44	
10 26 13 00-0066	LF 6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	45.66	8.13
	For Galvanizing, Add	11.24	
	For >50 To 100, Deduct	-3.39	
	For >100 To 200, Deduct	-4.75	
	For >200, Deduct	-7.71	

10 26 13 00-0067 Stainless Steel Corner Guards (10 26 13)**10 26 13 00-0068 Stainless Steel Corner Guards** (10 26 13 00-0067)

Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.

10 26 13 00-0069 Surface Mounted, Stainless Steel Corner Guards (10 26 13 00-0068)**10 26 13 00-0070 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards** (10 26 13 00-0069)

10 26 13 00-0071	LF 1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520).....	12.06	4.07
	For >50 To 100, Deduct	-1.70	
	For >100 To 200, Deduct	-2.37	
	For >200, Deduct	-3.32	
10 26 13 00-0072	LF 2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510).....	13.69	4.07
	For >50 To 100, Deduct	-1.70	
	For >100 To 200, Deduct	-2.37	
	For >200, Deduct	-3.40	
10 26 13 00-0073	LF 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	17.92	4.07
	For >50 To 100, Deduct	-1.70	
	For >100 To 200, Deduct	-2.37	
	For >200, Deduct	-3.61	
10 26 13 00-0074	LF Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550).....	17.92	4.07
	For >50 To 100, Deduct	-1.70	
	For >100 To 200, Deduct	-2.37	
	For >200, Deduct	-3.61	
10 26 13 00-0075	LF 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Acrovyn CO8 Series A230).....	60.22	4.07
	For >50 To 100, Deduct	-1.70	
	For >100 To 200, Deduct	-2.37	
	For >200, Deduct	-5.72	
10 26 13 00-0076	LF 3-1/2" Wing, 90 Degree Angle, Surface Mounted, PVC-free, Stainless Steel Corner Guard (Acrovyn SM Series)	48.64	4.07
	For >50 To 100, Deduct	-1.70	
	For >100 To 200, Deduct	-2.37	
	For >200, Deduct	-5.14	

10 26 13 00-0077 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards (10 26 13 00-0069)

10 26 13 00-0078	LF 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	17.92	4.07
	For >50 To 100, Deduct	-1.70	
	For >100 To 200, Deduct	-2.37	
	For >200, Deduct	-3.61	
10 26 13 00-0079	LF Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650).....	17.92	4.07
	For >50 To 100, Deduct	-1.70	
	For >100 To 200, Deduct	-2.37	
	For >200, Deduct	-3.61	

10 26 13 00-0080 Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0067)**10 26 13 00-0081 Surface Mounted, Stainless Steel Angle Iron, Corner Guards** (10 26 13 00-0080)**10 26 13 00-0082 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards** (10 26 13 00-0081)

10 26 13 00-0083	LF 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	21.95	4.89
	For >50 To 100, Deduct	-2.03	
	For >100 To 200, Deduct	-2.85	
	For >200, Deduct	-4.35	
10 26 13 00-0084	LF 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	35.03	5.29
	For >50 To 100, Deduct	-2.21	
	For >100 To 200, Deduct	-3.09	
	For >200, Deduct	-5.28	
10 26 13 00-0085	LF 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	47.96	5.49
	For >50 To 100, Deduct	-2.29	
	For >100 To 200, Deduct	-3.20	
	For >200, Deduct	-6.06	
10 26 13 00-0086	LF 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	45.07	5.69
	For >50 To 100, Deduct	-2.37	
	For >100 To 200, Deduct	-3.32	
	For >200, Deduct	-6.05	

		Specialties	10
		Interior Specialties	10 20
		Wall and Door Protection	10 26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0087	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	63.25 -2.46 -3.44 -7.09	5.90
10 26 13 00-0088	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	58.77 -2.54 -3.56 -7.01	6.10
10 26 13 00-0089		Rubber Corner Guards (10 26 13) Note: Includes adhesive for installation.		
10 26 13 00-0090		Natural Rubber Corner Guards (10 26 13 00-0089)		
10 26 13 00-0091		Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0090)		
10 26 13 00-0092		90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0091)		
10 26 13 00-0093	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	48.63 -1.70 -2.37 -5.14 8.31	4.07
10 26 13 00-0094		Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0089)		
10 26 13 00-0095		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0094)		
10 26 13 00-0096		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0095)		
10 26 13 00-0097	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	22.86 -1.70 -2.37 -3.86 4.45	4.07
10 26 13 00-0098		Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0089)		
10 26 13 00-0099		Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0098)		
10 26 13 00-0100		90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0099)		
10 26 13 00-0101	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For Bolting To Concrete Or Masonry, Add</i>	20.27 -1.70 -2.37 -3.73 4.06	4.07
10 26 16		Bumper Guards (10 26)		
10 26 16 13		Bumper Rails (10 26 16)		
10 26 16 13-0001		Crash Rails (10 26 16 13) Note: Includes end caps.		
10 26 16 13-0002		Polycarbonate Crash Rails (10 26 16 13-0001)		
10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	14.26 -2.71 -3.80 -5.05	5.43
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	15.47 -2.71 -3.80 -5.11	5.43
10 26 16 13-0005		Aluminum Crash Rails (10 26 16 13-0001)		
10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	36.53 -2.71 -3.80 -6.17	5.43
10 26 16 13-0007		Stainless Steel Crash Rails (10 26 16 13-0001)		
10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	62.22 -2.71 -3.80 -7.45	5.43
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	49.37 -2.71 -3.80 -6.81	5.43

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
10 26 16 13-0010	Wall Guards (10 26 16 13)				
10 26 16 13-0011	Rigid Vinyl Wall Guards With Aluminum Retainers (10 26 16 13-0010)				
	Note: Includes end caps.				
10 26 16 13-0012	LF 1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	14.31		4.75	
	For >50 To 100, Deduct	-2.37			
	For >100 To 200, Deduct	-3.32			
	For >200, Deduct	-4.51			
10 26 16 13-0013	LF 3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	17.25		5.43	
	For >50 To 100, Deduct	-2.71			
	For >100 To 200, Deduct	-3.80			
	For >200, Deduct	-5.20			
10 26 16 13-0014	LF 4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	18.45		5.43	
	For >50 To 100, Deduct	-2.71			
	For >100 To 200, Deduct	-3.80			
	For >200, Deduct	-5.26			
10 26 16 13-0015	LF 5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	19.10		5.43	
	For >50 To 100, Deduct	-2.71			
	For >100 To 200, Deduct	-3.80			
	For >200, Deduct	-5.30			
10 26 16 13-0016	LF 6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	22.44		5.76	
	For >50 To 100, Deduct	-2.88			
	For >100 To 200, Deduct	-4.03			
	For >200, Deduct	-5.73			
10 26 16 13-0017	LF 8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	22.54		5.76	
	For >50 To 100, Deduct	-2.88			
	For >100 To 200, Deduct	-4.03			
	For >200, Deduct	-5.74			
10 26 16 13-0018	LF 7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	23.12		5.76	
	For >50 To 100, Deduct	-2.88			
	For >100 To 200, Deduct	-4.03			
	For >200, Deduct	-5.76			
10 26 16 13-0019	LF 12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	27.41		6.10	
	For >50 To 100, Deduct	-3.05			
	For >100 To 200, Deduct	-4.27			
	For >200, Deduct	-6.25			
10 26 16 13-0020	Rubber Wall Guards (10 26 16 13-0010)				
10 26 16 13-0021	D-Shaped, Rubber Wall Guards (10 26 16 13-0020)				
10 26 16 13-0022	LF 2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	18.41		4.75	
	For >50 To 100, Deduct	-2.37			
	For >100 To 200, Deduct	-3.32			
	For >200, Deduct	-4.72			
10 26 16 13-0023	LF 3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3).....	26.26		5.43	
	For >50 To 100, Deduct	-2.71			
	For >100 To 200, Deduct	-3.80			
	For >200, Deduct	-5.65			
10 26 16 13-0024	LF 4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	37.37		5.43	
	For >50 To 100, Deduct	-2.71			
	For >100 To 200, Deduct	-3.80			
	For >200, Deduct	-6.21			
10 26 16 13-0025	LF 6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6).....	51.36		5.43	
	For >50 To 100, Deduct	-2.71			
	For >100 To 200, Deduct	-3.80			
	For >200, Deduct	-6.91			
10 26 16 13-0026	Rectangular, Rubber Wall Guards (10 26 16 13-0020)				
10 26 16 13-0027	LF 8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	39.96		5.76	
	For >50 To 100, Deduct	-2.88			
	For >100 To 200, Deduct	-4.03			
	For >200, Deduct	-6.61			
10 26 16 13-0028	LF 9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	49.83		6.10	
	For >50 To 100, Deduct	-3.05			
	For >100 To 200, Deduct	-4.27			
	For >200, Deduct	-7.37			
10 26 16 13-0029	Wing Type, Rubber Wall Guards (10 26 16 13-0020)				
10 26 16 13-0030	LF 6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20).....	63.50		5.43	
	For >50 To 100, Deduct	-2.71			
	For >100 To 200, Deduct	-3.80			
	For >200, Deduct	-7.52			
10 26 16 13-0031	LF 6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30).....	67.35		5.43	
	For >50 To 100, Deduct	-2.71			
	For >100 To 200, Deduct	-3.80			
	For >200, Deduct	-7.71			
10 26 16 13-0032	LF 3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25).....	31.94		4.75	
	For >50 To 100, Deduct	-2.37			
	For >100 To 200, Deduct	-3.32			
	For >200, Deduct	-5.39			
10 26 16 13-0033	U-Shaped, Rubber Wall Guards (10 26 16 13-0020)				

		Specialties	10
		Interior Specialties	10 20
		Wall and Door Protection	10 26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	54.22 -2.88 -4.03 -7.32	5.76
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	60.32 -2.88 -4.03 -7.62	5.76
10 26 16 13-0036		Accent Rails (10 26 16 13) Note: Includes end caps.		
10 26 16 13-0037		Oval, Rigid Vinyl Accent Rails With Aluminum Retainers (10 26 16 13-0036)		
10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	16.41 -2.37 -3.32 -4.62	4.75
10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	16.43 -2.37 -3.32 -4.62	4.75
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	22.35 -2.37 -3.32 -4.91	4.75
10 26 16 16 Protective Corridor Handrails (10 26 16)				
10 26 16 16-0001		Protective Corridor Handrails (10 26 16 16)		
10 26 16 16-0002		Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers (10 26 16 16-0001)		
10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	36.41 -5.09 -7.12 -9.96	10.17
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	31.82 -5.09 -7.12 -9.73 -5.09 -7.12 -9.73	10.17
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	50.18 -5.09 -7.12 -10.65	10.17
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	41.00 -5.09 -7.12 -10.19 -5.09 -7.12 -10.19	10.17
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	52.47 -5.09 -7.12 -10.76	10.17
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	57.06 -5.09 -7.12 -10.99 -5.09 -7.12 -10.99	10.17
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	68.54 -5.09 -7.12 -11.56	10.17
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)..... <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	75.42 -5.09 -7.12 -11.91 -5.09 -7.12 -11.91	10.17
10 26 16 16-0011		Stainless Steel Protective Corridor Handrails (10 26 16 16-0001)		
10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS) <i>For >50 To 100, Deduct</i> <i>For >100 To 200, Deduct</i> <i>For >200, Deduct</i>	91.49 -5.09 -7.12 -12.71	10.17

10 Specialties**10 20 Interior Specialties****10 26 Wall and Door Protection**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 26 16 16-0013	EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	93.78	10.17
		For >50 To 100, Deduct	-5.09	
		For >100 To 200, Deduct	-7.12	
		For >200, Deduct	-12.83	
		For >25 To 50, Deduct	-5.09	
		For >50 To 100, Deduct	-7.12	
		For >100, Deduct	-12.83	

10 26 16 16-0014 Hardwood Protective Corridor Handrails (10 26 16 16-0001)

Note: Includes end caps.

10 26 16 16-0015	LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	33.38	8.29
		For >50 To 100, Deduct	-4.14	
		For >100 To 200, Deduct	-5.80	
		For >200, Deduct	-8.30	
		For Maple, Add	0.50	
10 26 16 16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	39.27	8.84
		For >50 To 100, Deduct	-4.42	
		For >100 To 200, Deduct	-6.18	
		For >200, Deduct	-9.03	
10 26 16 16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500).....	29.79	8.29
		For >50 To 100, Deduct	-4.14	
		For >100 To 200, Deduct	-5.80	
		For >200, Deduct	-8.12	
		For Maple, Add	5.68	
		For Oak, Add	6.35	

10 26 16 16-0018 Wood/Acrylic Protective Corridor Handrails With Aluminum Retainers (10 26 16 16-0001)

10 26 16 16-0019	LF	6-1/4" High, Wood/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRBW-10CN)	76.57	10.17
		For >50 To 100, Deduct	-5.09	
		For >100 To 200, Deduct	-7.12	
		For >200, Deduct	-11.96	

10 26 23 Protective Wall Covering (10 26)**10 26 23 13 Impact Resistant Wall Protection (10 26 23)****10 26 23 13-0001 Impact Resistant Wall Protection (10 26 23 13)**

Note: Includes standard trim.

10 26 23 13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30).....	9.34	3.39
10 26 23 13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40).....	9.65	3.39
10 26 23 13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60).....	11.45	3.39
10 26 23 13-0005	SF	0.10" Thickness, 4' Width, Semi-rigid Wall Cladding (Altro Whiterock Standard White 3/4)	11.18	2.66
10 26 23 13-0006	SF	0.040" Thickness, 4' Width, Semi-rigid Wall Covering (C-S Group Acrovyn 4000-949)	9.97	2.66
10 26 23 13-0007	SF	0.060" Thickness, 4' Width, Semi-rigid Wall Covering (C-S Group Acrovyn 4000-949)	12.40	2.66

10 26 23 13-0008 Interior Polyvinyl Chloride (PVC) Soffit System (10 26 23 13)

Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.

10 26 23 13-0009 "L" Design (10 26 23 13-0008)**10 26 23 13-0010 L-Shield (10 26 23 13-0009)**

10 26 23 13-0011	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	18.09	3.39
10 26 23 13-0012	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	21.08	4.75
10 26 23 13-0013	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	27.66	6.10
10 26 23 13-0014	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	37.82	7.46

10 26 23 13-0015 "Combo" Hanger (10 26 23 13-0009)

10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 3/4" Pipe	20.47	6.78
10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 1" Pipe	23.73	8.14
10 26 23 13-0018	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	27.41	9.49
10 26 23 13-0019	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	30.53	10.85
10 26 23 13-0020	EA	Combination "Combo" Hanger, L-Support, For 2" Pipe	34.22	12.21

10 26 23 13-0021 Snap-2 Pipe Hanger (10 26 23 13-0009)

10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	17.16	6.78
10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 1" Pipe	20.83	8.14
10 26 23 13-0024	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	24.23	9.49
10 26 23 13-0025	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	28.18	10.85
10 26 23 13-0026	EA	Snap-2 Pipe Hanger, L-Support, For 2" Pipe	32.28	12.21

10 26 23 13-0027 Coupling (10 26 23 13-0009)

10 26 23 13-0028	EA	Coupling, L-Shield, 1" Shield Size	11.06	3.39
10 26 23 13-0029	EA	Coupling, L-Shield, 1-1/4" Shield Size	15.97	4.75
10 26 23 13-0030	EA	Coupling, L-Shield, 2" Shield Size	22.83	6.10
10 26 23 13-0031	EA	Coupling, L-Shield, 2-1/2" Shield Size	28.58	7.46

10 26 23 13-0032 Coupling, Reducer (10 26 23 13-0009)

10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	30.21	4.07
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0034	EA		Coupling, Reducing, L-Shield, 2" x 1" Shield Size	37.08	4.75
10 26 23 13-0035	EA		Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	43.96	5.43
10 26 23 13-0036	EA		Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	169.19	6.78
10 26 23 13-0037			Shield Clips (10 26 23 13-0009)		
10 26 23 13-0038	EA		Shield Clips, L-Support, 1" Shield Size	6.69	2.03
10 26 23 13-0039	EA		Shield Clips, L-Support, 1-1/4" Shield Size	10.09	3.39
10 26 23 13-0040	EA		Shield Clips, L-Support, 2" Shield Size	13.35	4.75
10 26 23 13-0041	EA		Shield Clips, L-Support, 2-1/2" Shield Size	15.25	6.10
10 26 23 13-0042			Wall Flange (10 26 23 13-0009)		
10 26 23 13-0043	EA		Wall Flange, L-Shield, 1" Shield Size	10.78	3.39
10 26 23 13-0044	EA		Wall Flange, L-Shield, 1-1/4" Shield Size	15.42	4.75
10 26 23 13-0045	EA		Wall Flange, L-Shield, 2" Shield Size	22.28	6.10
10 26 23 13-0046	EA		Wall Flange, L-Shield, 2-1/2" Shield Size	88.95	7.46
10 26 23 13-0047			End Cap (10 26 23 13-0009)		
10 26 23 13-0048	EA		End Cap, L-Shield, 1" Shield Size	10.83	2.03
10 26 23 13-0049	EA		End Cap, L-Shield, 1-1/4" Shield Size	14.51	3.39
10 26 23 13-0050	EA		End Cap, L-Shield, 2" Shield Size	20.11	4.75
10 26 23 13-0051	EA		End Cap, L-Shield, 2-1/2" Shield Size	90.30	6.10
10 26 23 13-0052			Inside/Outside Corner (10 26 23 13-0009)		
10 26 23 13-0053	EA		Inside/Outside Corner, L-Shield, 1" Shield Size	66.41	6.78
10 26 23 13-0054	EA		Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	71.74	8.14
10 26 23 13-0055	EA		Inside/Outside Corner, L-Shield, 2" Shield Size	86.71	10.18
10 26 23 13-0056	EA		Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	150.65	12.21
10 26 23 13-0057			Joiner (10 26 23 13-0009)		
10 26 23 13-0058	LF		Joiner, L-Shield	13.87	2.03
10 26 23 13-0059			"U" Design (10 26 23 13-0008)		
10 26 23 13-0060			U-Shield (10 26 23 13-0059)		
10 26 23 13-0061	LF		2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	21.68	3.39
10 26 23 13-0062	LF		2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	27.15	4.75
10 26 23 13-0063	LF		3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe	34.70	4.75
10 26 23 13-0064			"Combo" Hanger (10 26 23 13-0059)		
10 26 23 13-0065	EA		Combination "Combo" Hanger, U-Support For 3/4" Pipe	17.85	6.78
10 26 23 13-0066	EA		Combination "Combo" Hanger, U-Support For 1" Pipe	21.25	8.14
10 26 23 13-0067	EA		Combination "Combo" Hanger, U-Support For 1-1/4" Pipe	24.51	9.49
10 26 23 13-0068	EA		Combination "Combo" Hanger, U-Support For 1-1/2" Pipe	30.12	10.85
10 26 23 13-0069	EA		Combination "Combo" Hanger, U-Support For 2" Pipe	34.08	12.21
10 26 23 13-0070			Snap-2 Pipe Hanger (10 26 23 13-0059)		
10 26 23 13-0071	EA		Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	16.88	6.78
10 26 23 13-0072	EA		Snap-2 Pipe Hanger, U-Support, For 1" Pipe	20.56	8.14
10 26 23 13-0073	EA		Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	24.92	9.49
10 26 23 13-0074	EA		Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	27.91	10.85
10 26 23 13-0075	EA		Snap-2 Pipe Hanger, U-Support, For 2" Pipe	32.15	12.21
10 26 23 13-0076			Coupling (10 26 23 13-0059)		
10 26 23 13-0077	EA		Coupling, U-Shield, 1" Shield Size	12.99	3.39
10 26 23 13-0078	EA		Coupling, U-Shield, 1-1/4" Shield Size	16.39	4.75
10 26 23 13-0079	EA		Coupling, U-Shield, 2" Shield Size	20.07	6.10
10 26 23 13-0080			Coupling, Reducer (10 26 23 13-0059)		
10 26 23 13-0081	EA		Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	35.73	4.07
10 26 23 13-0082	EA		Reducing Coupling, U-Shield, 2" x 1" Shield Size	42.60	4.75
10 26 23 13-0083	EA		Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	45.34	5.43
10 26 23 13-0084			Shield Clips (10 26 23 13-0059)		
10 26 23 13-0085	EA		Shield Clips, U-Support, 1" Shield Size	6.14	2.03
10 26 23 13-0086	EA		Shield Clips, U-Support, 1-1/4" Shield Size	9.13	3.39
10 26 23 13-0087	EA		Shield Clips, U-Support, 2" Shield Size	12.11	4.75
10 26 23 13-0088			Wall Flange (10 26 23 13-0059)		
10 26 23 13-0089	EA		Wall Flange, U-Shield, 1" Shield Size	12.57	3.39
10 26 23 13-0090	EA		Wall Flange, U-Shield, 1-1/4" Shield Size	16.25	4.75
10 26 23 13-0091	EA		Wall Flange, U-Shield, 2" Shield Size	19.94	6.10

10	10	Specialties
	10 20	Interior Specialties
	10 26	Wall and Door Protection



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 26 23 13-0092	End Cap	(10 26 23 13-0059)				
10 26 23 13-0093	EA			End Cap, U-Shield, 1" Shield Size	11.52	2.03
10 26 23 13-0094	EA			End Cap, U-Shield, 1-1/4" Shield Size	15.61	3.39
10 26 23 13-0095	EA			End Cap, U-Shield, 2" Shield Size	19.56	4.75
10 26 23 13-0096	Inside/Outside Corner	(10 26 23 13-0059)				
10 26 23 13-0097	EA			Inside/Outside Corner, U-Shield, 1" Shield Size	83.10	6.78
10 26 23 13-0098	EA			Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	92.57	8.14
10 26 23 13-0099	EA			Inside/Outside Corner, U-Shield, 2" Shield Size	109.61	10.18
10 26 23 13-0100	Elbow	(10 26 23 13-0059)				
10 26 23 13-0101	EA			Elbow, U-Shield, 1" Shield Size	81.58	6.78
10 26 23 13-0102	EA			Elbow, U-Shield, 1-1/4" Shield Size	89.81	8.14
10 26 23 13-0103	EA			Elbow, U-Shield, 2" Shield Size	106.99	10.18
10 26 23 13-0104	Tee	(10 26 23 13-0059)				
10 26 23 13-0105	EA			Tee, U-Shield, 1" x 1" x 1" Shield Size	103.54	10.18
10 26 23 13-0106	EA			Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	115.34	12.21
10 26 23 13-0107	EA			Tee, U-Shield, 2" x 2" x 2" Shield Size	134.83	14.92
10 26 23 13-0108	EA			Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	136.19	11.53
10 26 23 13-0109	EA			Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	147.26	14.24
10 26 23 13-0110	Cross	(10 26 23 13-0059)				
10 26 23 13-0111	EA			Cross, U-Shield, 1" Shield Size	186.47	13.57
10 26 23 13-0112	EA			Cross, U-Shield, 1-1/4" Shield Size	209.14	16.28
10 26 23 13-0113	EA			Cross, U-Shield, 2" Shield Size	254.25	20.35
10 26 23 13-0114	EA			Cross, U-Shield, 1-1/4" x 1" Shield Size	254.99	14.92
10 26 23 13-0115	EA			Cross, U-Shield, 2" x 1-1/4" Shield Size	280.82	18.31
10 26 23 13-0116	Transition Fittings (L to U Or U to L)	(10 26 23 13-0008)				
10 26 23 13-0117	Coupling Transition	(10 26 23 13-0116)				
10 26 23 13-0118	EA			Transition Coupling, 1" x 1", LxU or UxL	31.89	3.39
10 26 23 13-0119	EA			Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	36.25	4.75
10 26 23 13-0120	EA			Transition Coupling, 2" x 2", LxU or UxL	45.18	6.10
10 26 23 13-0121	EA			Transition Coupling, 1" x 1-1/4", LxU or UxL	36.15	4.07
10 26 23 13-0122	EA			Transition Coupling, 1-1/4" x 2", LxU or UxL	45.06	5.43
10 26 23 13-0123	EA			Transition Coupling, 2" x 2-1/2", LxU or UxL	177.05	6.78
10 26 23 13-0124	Elbow Transition	(10 26 23 13-0116)				
10 26 23 13-0125	EA			Transition Elbow, 1" x 1" (UxL)	109.31	6.78
10 26 23 13-0126	EA			Transition Elbow, 1-1/4" x 1-1/4" (UxL)	118.65	8.14
10 26 23 13-0127	EA			Transition Elbow, 2" x 2" (UxL)	139.27	10.18
10 26 23 13-0128	EA			Transition Elbow, 1" x 1-1/4" (UxL)	169.44	7.46
10 26 23 13-0129	EA			Transition Elbow, 1-1/4" x 1" (UxL)	120.32	7.46
10 26 23 13-0130	EA			Transition Elbow, 1-1/4" x 2" (UxL)	179.30	9.49
10 26 23 13-0131	EA			Transition Elbow, 2" x 1-1/4" (UxL)	139.43	9.49
10 26 23 13-0132	EA			Transition Elbow, 2" x 2-1/2" (UxL)	215.40	10.85
10 26 23 13-0133	Tee Transition	(10 26 23 13-0116)				
10 26 23 13-0134	EA			Transition Tee, 1" x 1" x 1" (LxLxU)	125.75	10.18
10 26 23 13-0135	EA			Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	145.55	12.21
10 26 23 13-0136	EA			Transition Tee, 2" x 2" x 2" (LxLxU)	169.46	14.92
10 26 23 13-0137	EA			Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	133.01	11.53
10 26 23 13-0138	EA			Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	207.89	12.88
10 26 23 13-0139	EA			Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	148.51	14.24
10 26 23 13-0140	EA			Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	202.22	16.96
10 26 23 13-0141	Fittings (L Or U)	(10 26 23 13-0008)				
10 26 23 13-0142	Hugger Hangers For Steel Pipe	(10 26 23 13-0141)				
10 26 23 13-0143	EA			Hugger Hanger, For 1/2" Steel Pipe	13.75	5.43
10 26 23 13-0144	EA			Hugger Hanger, For 3/4" Steel Pipe	17.16	6.78
10 26 23 13-0145	EA			Hugger Hanger, For 1" Steel Pipe	20.14	8.14
10 26 23 13-0146	EA			Hugger Hanger, For 1-1/4" Steel Pipe	23.27	9.49
10 26 23 13-0147	EA			Hugger Hanger, For 1-1/2" Steel Pipe	26.25	10.85
10 26 23 13-0148	EA			Hugger Hanger, For 2" Steel Pipe	29.52	10.85
10 26 23 13-0149	EA			Hugger Hanger, For 2-1/2" Steel Pipe	32.51	13.57
10 26 23 13-0150	EA			Hugger Hanger, For 3" Steel Pipe	40.32	14.92
10 26 23 13-0151	Hugger Hangers For Copper Pipe	(10 26 23 13-0141)				
10 26 23 13-0152	EA			1/2" Copper Pipe, Hugger Hanger	13.89	5.43
10 26 23 13-0153	EA			3/4" Copper Pipe, Hugger Hanger	17.29	6.78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 26 23 13-0154	EA		1" Copper Pipe, Hugger Hanger	20.28	8.14
10 26 23 13-0155	EA		1-1/4" Copper Pipe, Hugger Hanger	23.40	9.49
10 26 23 13-0156	EA		1-1/2" Copper Pipe, Hugger Hanger	26.39	10.85
10 26 23 13-0157	EA		2" Copper Pipe, Hugger Hanger	29.80	12.21
10 26 23 13-0158	EA		2-1/2" Copper Pipe, Hugger Hanger	32.79	13.57
10 26 23 13-0159	EA		3" Copper Pipe, Hugger Hanger	40.74	14.92
10 26 23 13-0160 Shield Extension (L Or U) (10 26 23 13-0141)					
10 26 23 13-0161	LF		Shield Extension	16.76	2.03
10 26 23 13-0162 Interior Steel Soffit System (10 26 23 13)					
Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.					
10 26 23 13-0163	SF		24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	32.26	6.10
			For 22 Gauge Steel, Add	2.01	
			For 20 Gauge Steel, Add	4.29	
			For 18 Gauge Steel, Add	8.42	
			For 16 Gauge Steel, Add	12.93	
			For Stainless Steel, Add	5.01	
10 26 23 13-0164	EA		U-Shield Wall Flange (JG Innovations Soffi-Steel)	52.18	16.96
			For Stainless Steel, Add	4.57	
10 26 23 13-0165	EA		U-Shield Corner (JG Innovations Soffi-Steel)	127.30	20.35
			For Stainless Steel, Add	21.31	
10 26 23 13-0166	EA		U-Shield End Cap (JG Innovations Soffi-Steel)	39.84	10.18
			For Stainless Steel, Add	4.87	
10 26 23 13-0167	EA		U-Shield Clip (JG Innovations Soffi-Steel)	8.92	4.07
			For Stainless Steel, Add	0.20	
10 26 23 13-0168	SF		24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	36.52	6.10
			For 22 Gauge Steel, Add	1.82	
			For 20 Gauge Steel, Add	3.89	
			For 18 Gauge Steel, Add	7.54	
			For 16 Gauge Steel, Add	12.64	
			For Stainless Steel, Add	6.08	
10 26 23 13-0169	EA		L-Shield Wall Flange (JG Innovations Soffi-Steel)	52.18	16.96
			For Stainless Steel, Add	4.57	
10 26 23 13-0170	EA		L-Shield Corner (JG Innovations Soffi-Steel)	127.30	20.35
			For Stainless Steel, Add	21.31	
10 26 23 13-0171	EA		L-Shield End Cap (JG Innovations Soffi-Steel)	34.41	7.46
			For Stainless Steel, Add	4.87	
10 26 23 13-0172	EA		L-Shield Clip (JG Innovations Soffi-Steel)	8.92	4.07
			For Stainless Steel, Add	0.20	
10 26 41 Bullet Resistant Panels (10 26)					
10 26 41 00-0001 Laminated Bullet Resistant Fiberglass Panel (10 26 41)					
Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.					
10 26 41 00-0002	SF		1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 Lb./SF	23.54	1.92
10 26 41 00-0003	SF		3/16" Thick Ballistic Resistant Fiberglass Panel, 2 Lb./SF	31.99	2.05
10 26 41 00-0004	SF		1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 Lb./SF	36.12	2.18
10 26 41 00-0005	SF		5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 Lb./SF	38.44	2.32
10 26 41 00-0006	SF		3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 Lb./SF	41.61	2.45
10 26 41 00-0007	SF		7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 Lb./SF	44.77	2.59
10 26 41 00-0008	SF		9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 Lb./SF	75.35	3.14
10 26 41 00-0009	SF		1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 Lb./SF	108.17	4.92
10 26 41 00-0010	SF		1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 Lb./SF	128.44	5.87
10 26 41 00-0011	SF		1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 Lb./SF	155.28	6.41
10 26 41 00-0012	SF		1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 Lb./SF	176.44	6.82
10 28 Toilet, Bath, and Laundry Accessories (10 20)					
10 28 13 Toilet Accessories (10 28)					
10 28 13 13 Commercial Toilet Accessories (10 28 13)					
10 28 13 13-0001			Toilet Accessories (10 28 13 13)		
10 28 13 13-0002			Dispensers (10 28 13 13-0001)		
10 28 13 13-0003			Paper Towel Dispensers (10 28 13 13-0002)		
10 28 13 13-0004			Stainless Steel Paper Towel Dispensers (10 28 13 13-0003)		
10 28 13 13-0005	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	121.52	30.51
10 28 13 13-0006	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	129.15	30.51
10 28 13 13-0007	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	130.28	30.51
10 28 13 13-0008	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	132.47	30.51
10 28 13 13-0009	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	192.76	30.51
10 28 13 13-0010	EA		Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	209.43	30.51
10 28 13 13-0011	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	225.68	30.51
10 28 13 13-0012	EA		Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	227.82	13.56
10 28 13 13-0013	EA		Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	386.12	30.51
10 28 13 13-0014	EA		Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	451.44	30.51
10 28 13 13-0015	EA		Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	487.62	30.51
10 28 13 13-0016	EA		Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	283.92	30.51

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 28 13 13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	163.86		16.95
10 28 13 13-0018	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (American Specialties 6457).....	532.12		30.51
10 28 13 13-0019		Plastic Paper Towel Dispensers (10 28 13 13-0003)			
10 28 13 13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	95.51		30.51
10 28 13 13-0021	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	183.15		30.51
10 28 13 13-0022	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860).....	181.97		30.51
10 28 13 13-0023	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	156.77		30.51
10 28 13 13-0024		Aluminum Paper Towel Dispensers (10 28 13 13-0003)			
10 28 13 13-0025	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253).....	103.15		30.51
10 28 13 13-0026		Toilet Tissue Dispensers (10 28 13 13-0002)			
10 28 13 13-0027		Plastic Toilet Tissue Dispensers (10 28 13 13-0026)			
10 28 13 13-0028	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	95.23		30.51
10 28 13 13-0029	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	112.46		30.51
10 28 13 13-0030	EA	Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	84.15		30.51
10 28 13 13-0031	EA	Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	97.16		30.51
10 28 13 13-0032	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 59209)	106.97		30.51
10 28 13 13-0033		Cast Aluminum Toilet Tissue Dispensers (10 28 13 13-0026)			
10 28 13 13-0034	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	87.32		30.51
10 28 13 13-0035	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273).....	87.88		30.51
10 28 13 13-0036	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	91.84		30.51
10 28 13 13-0037	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	99.19		30.51
10 28 13 13-0038	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	126.32		30.51
10 28 13 13-0039		Stainless Steel Toilet Tissue Dispensers (10 28 13 13-0026)			
10 28 13 13-0040	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	76.29		30.51
10 28 13 13-0041	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	193.06		30.51
10 28 13 13-0042	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	117.99		30.51
10 28 13 13-0043	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	113.04		30.51
10 28 13 13-0044	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	121.66		30.51
10 28 13 13-0045	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	155.89		33.90
10 28 13 13-0046	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	121.66		30.51
10 28 13 13-0047	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	155.89		30.51
10 28 13 13-0048	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	166.89		30.51
10 28 13 13-0049	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	253.21		30.51
10 28 13 13-0050	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	253.21		30.51
10 28 13 13-0051	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	113.22		30.51
10 28 13 13-0052	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	130.56		30.51
10 28 13 13-0053	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	86.74		30.51
10 28 13 13-0054	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	139.33		30.51
10 28 13 13-0055	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	193.88		30.51
10 28 13 13-0056	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	199.55		30.51
10 28 13 13-0057	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	252.13		30.51
10 28 13 13-0058	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	231.42		30.51
10 28 13 13-0059	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386)	356.84		30.51
		Note: Mounts centered through toilet partitions.			
10 28 13 13-0060	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840).....	158.56		30.51
10 28 13 13-0061	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	147.50		30.51
10 28 13 13-0062	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	121.27		30.51
10 28 13 13-0063	EA	Dual Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 9030)	197.03		30.51
10 28 13 13-0064	EA	Dual Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 0030)	146.00		30.51
10 28 13 13-0065	EA	Twin, Hide-A-Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 20030)	195.61		30.51
10 28 13 13-0066	EA	Twin, 9" Jumbo Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (ASI 0040)	211.48		30.51
10 28 13 13-0067		Soap or Sanitizer Dispensers (10 28 13 13-0002)			
10 28 13 13-0068	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	111.63		30.51
		For 34 Fluid Ounce (B-822), Add	5.30		
10 28 13 13-0069	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	120.11		30.51
		For 34 Fluid Ounce (B-822), Add	5.30		
10 28 13 13-0070	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	79.40		30.51

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0071	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155).....	85.33	30.51
10 28 13 13-0072	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40).....	103.23	30.51
10 28 13 13-0073	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42).....	105.68	30.51
10 28 13 13-0074	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112).....	113.32	30.51
10 28 13 13-0075	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112).....	140.18	30.51
10 28 13 13-0076	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306).....	233.18	30.51
10 28 13 13-0077	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063).....	363.50	30.51
10 28 13 13-0078	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18).....	230.72	30.51
Note: Includes start-up kit.				
10 28 13 13-0079		Sanitizer Dispensers (10 28 13 13-0002)		
10 28 13 13-0080		Manual Sanitizer Dispensers (10 28 13 13-0079)		
10 28 13 13-0081	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purell 5020-01).....	92.47	30.51
10 28 13 13-0082	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purell 4510-00).....	93.68	30.51
10 28 13 13-0083	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purell 8824-06-UV).....	93.30	30.51
10 28 13 13-0084		Automatic Sanitizer Dispensers (10 28 13 13-0079)		
10 28 13 13-0085	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA).....	87.31	30.51
10 28 13 13-0086	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 6420-01 ES6).....	109.92	30.51
10 28 13 13-0087	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 6520-01 CS6).....	104.28	30.51
10 28 13 13-0088	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 7720-01 ES8).....	111.19	30.51
10 28 13 13-0089	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058).....	126.16	30.51
10 28 13 13-0090	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 5240-06).....	126.87	30.51
10 28 13 13-0091		Automatic Floor Stand Sanitizer Dispensers (10 28 13 13-0079)		
10 28 13 13-0092	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS).....	576.85	10.17
10 28 13 13-0093	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV).....	620.14	10.17
10 28 13 13-0094	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02).....	644.34	10.17
10 28 13 13-0095		Facial Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0096	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397).....	126.90	30.51
10 28 13 13-0097	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355).....	95.43	30.51
10 28 13 13-0098		Sanitary Toilet Seat Cover Dispensers (10 28 13 13-0002)		
10 28 13 13-0099	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221).....	78.26	30.51
10 28 13 13-0100	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221).....	100.60	30.51
10 28 13 13-0101	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221).....	171.00	30.51
10 28 13 13-0102	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301).....	181.45	30.51
10 28 13 13-0103	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013).....	345.13	30.51
10 28 13 13-0104	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Georgia Pacific GP-57710).....	72.49	30.51
10 28 13 13-0105		Sanitary Toilet Seat Cover/Toilet Tissue Dispensers (10 28 13 13-0002)		
10 28 13 13-0106	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479).....	540.34	30.51
10 28 13 13-0107	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745).....	335.44	30.51
10 28 13 13-0108		Sanitary Napkin/Tampon Dispensers (10 28 13 13-0002)		
10 28 13 13-0109	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C).....	664.61	30.51
10 28 13 13-0110	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25).....	507.98	30.51
10 28 13 13-0111	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706).....	673.23	30.51
10 28 13 13-0112	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25).....	514.47	30.51
10 28 13 13-0113	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4).....	453.90	30.51
10 28 13 13-0114	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45).....	591.98	30.51
10 28 13 13-0115		Toilet Compartment Combination Dispenser/Disposals (10 28 13 13-0002)		
10 28 13 13-0116	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094).....	485.13	67.80
10 28 13 13-0117	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474).....	539.02	67.80
10 28 13 13-0118	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745).....	450.88	67.80
10 28 13 13-0119	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574).....	625.54	67.80
10 28 13 13-0120	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347).....	642.21	67.80
10 28 13 13-0121	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357).....	735.23	67.80
10 28 13 13-0122	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579).....	690.74	67.80
10 28 13 13-0123		Receptacles (10 28 13 13-0001)		
10 28 13 13-0124		Wall Mounted Waste Receptacles (10 28 13 13-0123)		

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 28 13 13-0125	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	113.28	30.51
10 28 13 13-0126	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	181.16	30.51
10 28 13 13-0127	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	417.75	67.80
10 28 13 13-0128	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	608.86	67.80
10 28 13 13-0129	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	487.01	67.80
10 28 13 13-0130	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (American Specialties 0458)	360.44	67.80
10 28 13 13-0131	EA	12 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (American Specialties 0826)	210.10	30.51

10 28 13 13-0132 Floor-Standing/Counter Waste Receptacles (10 28 13 13-0123)

10 28 13 13-0133	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	131.84	30.51
10 28 13 13-0134	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	184.28	30.51
10 28 13 13-0135	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	336.40	13.56
10 28 13 13-0136	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	506.60	13.56
10 28 13 13-0137	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	474.88	13.56
10 28 13 13-0138	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	456.84	13.56
10 28 13 13-0139	EA	35 Gallon, Open Top, Satin Aluminum, Floor Standing Waste Receptacle (Rubbermaid Atrium AOT35)	837.65	13.56
10 28 13 13-0140		32-3/4" Height x 18-1/2" Width x 19-1/2" Depth, Soiled Linen Hamper With Wallaby (Centurion CX302)	447.64	

Note: Preassembled

10 28 13 13-0141 Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0123)

10 28 13 13-0142	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	349.90	67.80
10 28 13 13-0143	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	548.64	67.80
10 28 13 13-0144	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	540.73	67.80
10 28 13 13-0145	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	775.52	67.80
10 28 13 13-0146	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	1,058.99	67.80
10 28 13 13-0147	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	898.64	67.80
10 28 13 13-0148	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	697.94	67.80
10 28 13 13-0149	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	1,116.32	67.80
10 28 13 13-0150	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	1,036.31	74.58
10 28 13 13-0151	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	704.97	74.58

10 28 13 13-0152 Sanitary Napkin/Tampon Receptacles (10 28 13 13-0123)

10 28 13 13-0153	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	106.53	33.90
10 28 13 13-0154	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	199.78	33.90
10 28 13 13-0155	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	216.22	33.90
10 28 13 13-0156	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	488.19	33.90
10 28 13 13-0157	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	264.84	33.90
10 28 13 13-0158	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	454.55	33.90
10 28 13 13-0159	EA	Surface Mounted, Stainless Steel, Dual Access, Sanitary Napkin Disposal (American Specialties 472)	262.71	33.90

10 28 13 13-0160 Grab Bars (10 28 13 13-0001)**10 28 13 13-0161 1-1/4" Diameter, Stainless Steel Grab Bars** (10 28 13 13-0160)

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0162	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125x12)	102.41	27.12
		For Peened Grip, Add	4.95	
10 28 13 13-0163	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	116.46	27.12
		For Peened Grip, Add	6.21	
10 28 13 13-0164	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	117.87	27.12
		For Peened Grip, Add	6.34	
10 28 13 13-0165	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	118.53	27.12
		For Peened Grip, Add	6.40	
10 28 13 13-0166	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	118.71	27.12
		For Peened Grip, Add	6.41	
10 28 13 13-0167	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	122.11	27.12
		For Peened Grip, Add	6.72	
10 28 13 13-0168	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	127.47	27.12
		For Peened Grip, Add	7.20	
10 28 13 13-0169	EA	36" Length, 1-1/4" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641275)	120.36	23.10
10 28 13 13-0170	EA	42" Length, 1-1/4" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641277)	123.20	23.10

10 28 13 13-0171 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0160)

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0172	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	190.81	27.12
		For Peened Grip, Add	12.29	
10 28 13 13-0173	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	194.47	27.12
		For Peened Grip, Add	12.62	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0174		1-1/2" Diameter, Stainless Steel Grab Bars (10 28 13 13-0160) Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0175	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12).....	115.28	27.12
		For Peened Grip, Add	6.10	
10 28 13 13-0176	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18).....	116.46	27.12
		For Peened Grip, Add	6.21	
10 28 13 13-0177	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24).....	118.71	27.12
		For Peened Grip, Add	6.41	
10 28 13 13-0178	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30).....	120.98	27.12
		For Peened Grip, Add	6.62	
10 28 13 13-0179	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36).....	123.80	27.12
		For Peened Grip, Add	6.87	
10 28 13 13-0180	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42).....	126.35	27.12
		For Peened Grip, Add	7.10	
10 28 13 13-0181	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48).....	132.57	27.12
		For Peened Grip, Add	7.66	
10 28 13 13-0182	EA	36" Length, 1-1/2" Diameter, Straight, Satin Finish, Stainless Steel Grab Bar With Closure Plate (Global Industrial WG641279).....	123.91	23.10
10 28 13 13-0183		1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0160) Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0184	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861).....	175.53	27.12
		For Peened Grip, Add	10.92	
10 28 13 13-0185	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616).....	187.70	27.12
		For Peened Grip, Add	12.01	
10 28 13 13-0186	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137).....	164.79	27.12
		For Peened Grip, Add	9.95	
10 28 13 13-0187		1-1/4" Diameter, Stainless Steel Swing Up Grab Bars (10 28 13 13-0160) Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0188	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998).....	489.63	27.12
		For Peened Grip, Add	39.80	
10 28 13 13-0189		Shelves (10 28 13 13-0001)		
10 28 13 13-0190	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295).....	133.67	30.51
10 28 13 13-0191	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295).....	137.07	30.51
10 28 13 13-0192	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295).....	152.62	30.51
10 28 13 13-0193	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36).....	156.53	30.51
10 28 13 13-0194	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296).....	150.37	30.51
10 28 13 13-0195	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	152.21	30.51
10 28 13 13-0196	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	161.38	30.51
10 28 13 13-0197	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	174.66	30.51
10 28 13 13-0198	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36).....	202.74	30.51
10 28 13 13-0199	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	161.66	30.51
10 28 13 13-0200	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletary Shelf (Bobrick B-683).....	164.49	30.51
10 28 13 13-0201	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	189.38	30.51
10 28 13 13-0202	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	200.60	30.51
10 28 13 13-0203	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	217.91	30.51
10 28 13 13-0204	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48).....	265.00	30.51
10 28 13 13-0205	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60).....	350.80	30.51
10 28 13 13-0206	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412).....	172.48	30.51
10 28 13 13-0207		Changing Stations (10 28 13 13-0001)		
10 28 13 13-0208	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1).....	480.24	40.68
10 28 13 13-0209	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00).....	507.54	40.68
10 28 13 13-0210	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00).....	423.01	40.68
10 28 13 13-0211	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE).....	1,972.91	40.68
10 28 13 13-0212	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM).....	2,288.24	40.68
10 28 13 13-0213	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE).....	1,972.91	40.68
10 28 13 13-0214	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM).....	2,288.24	40.68
10 28 13 13-0215	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (American Specialties 9012).....	454.82	40.68
10 28 13 13-0216	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bradley 962).....	1,822.28	40.68
10 28 13 13-0217		Folding Shower Seats (10 28 13 13-0001)		
10 28 13 13-0218	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B- 5181).....	608.53	54.24
10 28 13 13-0219	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518).....	786.64	54.24
10 28 13 13-0220	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat.....	2,382.43	54.24
10 28 13 13-0221	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32).....	3,883.21	
10 28 13 13-0222		Soap/Dish Holders (10 28 13 13-0001)		
10 28 13 13-0223	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679).....	73.26	30.51
10 28 13 13-0224	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680).....	75.23	30.51
10 28 13 13-0225	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380).....	126.88	30.51
10 28 13 13-0226	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390).....	136.78	30.51
10 28 13 13-0227		Shower Curtains/Curtain Rods (10 28 13 13-0001)		

10 Specialties**10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**
 MINOR
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 UNIT COST UNIT COST

10 28 13 13-0228	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1).....	3.59	1.36
10 28 13 13-0229	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2).....	55.68	13.56
		Note: Requires 7 curtain hooks.		
10 28 13 13-0230	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3).....	58.09	13.56
		Note: Requires 12 curtain hooks.		
10 28 13 13-0231	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	100.88	30.51
10 28 13 13-0232	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	107.11	30.51
10 28 13 13-0233	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	114.74	30.51
10 28 13 13-0234	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	124.07	30.51
10 28 13 13-0235	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36).....	90.14	30.51
10 28 13 13-0236	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48).....	97.49	30.51
10 28 13 13-0237	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60).....	101.73	30.51
10 28 13 13-0238	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72).....	107.11	30.51
10 28 13 13-0239	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	93.25	30.51
10 28 13 13-0240	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	99.47	30.51
10 28 13 13-0241	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	106.81	30.51
10 28 13 13-0242	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	111.91	30.51

10 28 13 13-0243 Hand Dryers (10 28 13 13-0001)

10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710).....	545.95	32.47
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V).....	587.49	32.47
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V).....	650.26	32.47
10 28 13 13-0247	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230).....	918.21	32.47
10 28 13 13-0248	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A).....	567.16	32.47
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A).....	625.35	32.47
10 28 13 13-0250	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60).....	2,632.86	32.47
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T).....	2,742.17	32.47
10 28 13 13-0252	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR).....	2,858.78	32.47
10 28 13 13-0253	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR).....	702.56	32.47
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12).....	1,806.41	32.47
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14).....	3,040.95	32.47
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9).....	1,335.96	32.47
		Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M).....	1,410.65	32.47
		Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0258	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG).....	1,453.33	32.47
		Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0259	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C).....	1,496.01	32.47
		Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS).....	1,581.36	32.47
		Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9).....	1,079.90	32.47
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M).....	1,154.58	32.47
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0263	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG).....	1,197.26	32.47
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0264	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C).....	1,239.94	32.47
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0265	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS).....	1,325.30	32.47
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7).....	1,079.90	32.47
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0267	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M).....	1,154.58	32.47
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG).....	1,197.26	32.47
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0269	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C).....	1,239.94	32.47
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0270	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS).....	1,325.30	32.47
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90).....	781.15	32.47
10 28 13 13-0272	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M).....	855.84	32.47
10 28 13 13-0273	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG).....	898.52	32.47
10 28 13 13-0274	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	941.19	32.47
10 28 13 13-0275	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	1,026.55	32.47

			Specialties	10
			Interior Specialties	10 20
			Toilet, Bath, and Laundry Accessories	10 28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0276	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	781.15	32.47
10 28 13 13-0277	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	855.84	32.47
10 28 13 13-0278	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH).....	898.52	32.47
10 28 13 13-0279	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH).....	941.19	32.47
10 28 13 13-0280	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH).....	1,026.55	32.47
10 28 13 13-0281	EA		Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1).....	567.76	32.47
10 28 13 13-0282	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M).....	642.45	32.47
10 28 13 13-0283	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	727.80	32.47
10 28 13 13-0284 Hand Dryers (Excel XLERATOR®) (10 28 13 13-0001)					
Note: With or without noise reduction nozzle options.					
10 28 13 13-0285	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W).....	1,109.78	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0286	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH).....	1,562.53	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0287	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR).....	1,302.03	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0288	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH).....	1,627.66	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0289	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C).....	1,399.72	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0290	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH).....	1,725.35	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0291	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB).....	1,399.72	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0292	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH).....	1,725.35	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0293	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP).....	1,302.03	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0294	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH).....	1,627.66	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0295	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW).....	1,171.78	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0296	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-BWH).....	1,497.41	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0297	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-W-ECO).....	1,109.78	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0298	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-WH-ECO).....	1,562.53	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0299	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-GR-ECO).....	1,302.03	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0300	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-GRH-ECO).....	1,627.66	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0301	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-C-ECO).....	1,399.72	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0302	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-CH-ECO).....	1,725.35	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0303	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SB-ECO).....	1,399.72	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0304	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-SBH-ECO).....	1,725.35	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0305	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SP-ECO).....	1,302.03	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0306	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-SPH-ECO).....	1,627.66	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0307	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATORReco® XL-BW-ECO).....	1,171.78	32.47
			For ADA-Compliant Recess Kit, Add	174.70	
10 28 13 13-0308	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATORReco® XL-BWH-ECO).....	1,497.41	32.47
			For ADA-Compliant Recess Kit, Add	174.70	

10	10	Specialties
	10 20	Interior Specialties
	10 28	Toilet, Bath, and Laundry Accessories



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 28 13 13-0309			Additional Accessories (10 28 13 13-0001)		
10 28 13 13-0310			Hooks (10 28 13 13-0309)		
10 28 13 13-0311	EA		Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	36.45	13.56
10 28 13 13-0312	EA		Single Stainless Steel Robe Hook (Bobrick B-233)	42.67	13.56
10 28 13 13-0313	EA		Single Stainless Steel Robe Hook (Bobrick B-7671)	37.01	13.56
10 28 13 13-0314	EA		Double Stainless Steel Robe Hook (Bobrick B-7672)	39.79	13.56
10 28 13 13-0315	EA		Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	63.02	13.56
10 28 13 13-0316	EA		Single Stainless Steel Robe Hook (Bobrick B-6717)	57.36	13.56
10 28 13 13-0317	EA		Five Hook Aluminum Coat Rack (Peter Pepper Products 214XLAL).....	217.54	13.56
10 28 13 13-0318	EA		Stainless Steel Coat Hook Pair (Mockett HK2A-SS).....	83.37	13.56
10 28 13 13-0319	EA		Polished, Single Stainless Steel Coat Hook (Mockett CH23A-PSS).....	57.68	13.56
10 28 13 13-0320	EA		Single Stainless Steel Double Robe Hook, Bright Finish (American Specialties 7345-B).....	41.72	13.56
10 28 13 13-0321			Clotheslines (10 28 13 13-0309)		
10 28 13 13-0322	EA		Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	63.72	27.12
10 28 13 13-0323			Towel Bars (10 28 13 13-0309)		
10 28 13 13-0324	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	78.96	30.51
10 28 13 13-0325	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	79.18	30.51
10 28 13 13-0326	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	87.47	30.51
10 28 13 13-0327	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	88.26	30.51
10 28 13 13-0328	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	124.63	30.51
10 28 13 13-0329	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	129.43	30.51
10 28 13 13-0330	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	128.31	30.51
10 28 13 13-0331	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674 or B-6747)	132.26	30.51
10 28 13 13-0332	EA		18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	139.34	30.51
10 28 13 13-0333	EA		24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	143.54	30.51
10 28 13 13-0334	EA		18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	108.52	30.51
10 28 13 13-0335	EA		24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	112.19	30.51
10 28 13 13-0336			Towel Bar With Shelf (10 28 13 13-0309)		
10 28 13 13-0337	EA		24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	232.06	30.51
10 28 13 13-0338			Towel Pins (10 28 13 13-0309)		
10 28 13 13-0339	EA		Stainless Steel Towel Pin (Bobrick B-677).....	61.05	13.56
10 28 13 13-0340			Mirrors (10 28 13 13)		
10 28 13 13-0341			Stainless Steel Channel Frame Glass Mirrors (10 28 13 13-0340)		
10 28 13 13-0342	EA		16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	138.28	33.90
10 28 13 13-0343	EA		18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	156.12	33.90
10 28 13 13-0344	EA		18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	162.30	33.90
			For Tempered Glass (B-1658), Add	51.91	
10 28 13 13-0345	EA		18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	174.98	33.90
			For Tempered Glass (B-1658), Add	60.79	
10 28 13 13-0346	EA		24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	191.24	33.90
10 28 13 13-0347	EA		24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	198.08	33.90
			For Tempered Glass (B-1658), Add	76.96	
10 28 13 13-0348	EA		24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	242.96	33.90
10 28 13 13-0349	EA		24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	279.72	33.90
10 28 13 13-0350	EA		36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	335.89	33.90
10 28 13 13-0351	EA		48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	421.20	33.90
10 28 13 13-0352	EA		60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	473.03	33.90
10 28 13 13-0353			Stainless Steel Channel Frame Glass Mirror/Shelf Combination (10 28 13 13-0340)		
10 28 13 13-0354	EA		18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	251.41	33.90
10 28 13 13-0355	EA		18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	270.60	33.90
10 28 13 13-0356	EA		18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	283.29	33.90
10 28 13 13-0357	EA		24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	319.07	33.90
10 28 13 13-0358			Stainless Steel Angle Frame Glass Mirrors (10 28 13 13-0340)		
10 28 13 13-0359	EA		18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	224.38	33.90
10 28 13 13-0360	EA		18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	245.56	33.90
			For Tempered Glass (B-2908), Add	103.90	
10 28 13 13-0361	EA		18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	252.71	33.90
			For Tempered Glass (B-2908), Add	108.62	
10 28 13 13-0362	EA		24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	295.00	33.90
10 28 13 13-0363	EA		24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	296.62	33.90
			For Tempered Glass (B-2908), Add	137.60	
10 28 13 13-0364	EA		24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	394.52	33.90
10 28 13 13-0365	EA		24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	462.82	33.90

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0366	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	526.58	33.90
10 28 13 13-0367	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	352.96	33.90
10 28 13 13-0368	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	428.96	33.90
10 28 13 13-0369	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	653.78	33.90
10 28 13 13-0370 Stainless Steel Angle Frame Glass Mirror/Shelf Combination (10 28 13 13-0340)				
10 28 13 13-0371	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	231.79	33.90
10 28 13 13-0372	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	451.44	33.90
10 28 13 13-0373	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	472.92	33.90
10 28 13 13-0374	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	526.58	33.90
10 28 13 13-0375 Frameless Stainless Steel Mirrors (10 28 13 13-0340)				
10 28 13 13-0376	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	250.76	33.90
10 28 13 13-0377	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	322.63	33.90
10 28 13 13-0378 Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors (10 28 13 13-0340)				
10 28 13 13-0379	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	338.90	33.90
10 28 13 13-0380	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	352.90	33.90
10 28 13 13-0381	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	426.08	33.90
10 28 13 13-0382	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	522.67	33.90
10 28 13 13-0383 Medicine Cabinets (10 28 13 13)				
10 28 13 13-0384 Metal Medicine Cabinets (10 28 13 13-0383)				
10 28 13 13-0385	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	273.11	67.80
10 28 13 13-0386	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397)	278.52	67.80
		Note: Includes three adjustable plastic shelves.		
10 28 13 13-0387	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297)	286.57	67.80
		Note: Includes two fixed shelves with baked white enamel finish.		
10 28 13 13-0388	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398)	593.31	67.80
		Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0389	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299)	803.93	67.80
		Note: Includes four adjustable shelves.		
10 28 13 13-0390 Janitorial Material (10 28 13 13)				
10 28 13 13-0391	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	57.36	13.56
10 28 13 13-0392	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	147.53	30.51
10 28 13 13-0393	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	142.45	30.51
10 28 13 13-0394	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	160.35	30.51
10 28 13 13-0395	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	178.06	30.51
10 28 13 13-0396	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	122.57	30.51
10 28 13 13-0397	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	321.11	30.51
10 28 13 13-0398	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	457.67	30.51
10 28 13 13-0399 Removal And Reinstallation Of Bathroom Accessories (10 28 13 13)				
		Note: Includes storage, cleaning and supply materials.		
10 28 13 13-0400	EA	Removal And Reinstallation Of Bathroom Accessory	42.38	
10 28 13 19 Healthcare Toilet Accessories (10 28 13)				
10 28 13 19-0001 Healthcare Toilet Accessories (10 28 13 19)				
10 28 13 19-0002	EA	Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905)	208.15	42.45
10 28 13 19-0003	EA	Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990)	732.03	42.45
10 28 13 19-0004	EA	Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843)	274.19	112.95
10 28 13 63 Detention Toilet Accessories (10 28 13)				
10 28 13 63-0001 Ligature Resistant, Toilet Accessories (10 28 13 63)				
10 28 13 63-0002	EA	Recessed Mounted, White, Enviro-Glaze, Ligature Resistant, Toilet Paper Holder (Whitehall MFG WH1847)	778.71	105.59
10 28 13 63-0003 Ligature Resistant, Mirrors (10 28 13 63)				
10 28 13 63-0004	EA	16" Width x 26" Height, Framed, Ligature Resistant, Solid Surface Infused Mirror (Whitehall WH1815-OCC11)	559.54	23.10
10 28 13 63-0005 Ligature Resistant, Stainless Steel Grab Bar (10 28 13 63)				
10 28 13 63-0006	EA	18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180)	212.88	27.12
10 28 13 63-0007	EA	24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240)	222.20	27.12
10 28 13 63-0008	EA	36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360)	228.40	27.12
10 28 13 63-0009	EA	42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420)	252.20	27.12

10	10	Specialties
	10 20	Interior Specialties
	10 28	Toilet, Bath, and Laundry Accessories



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST

10 28 13 63-0010	EA	60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600)	504.90	27.12
10 28 13 63-0011	EA	36" Length, 1-1/2" Diameter, Ligature Resistant, Satin Finish, Stainless Steel Grab Bar with Closure Plate (Whitehall WH1109-4)	425.12	23.10

10 28 16 Bath Accessories (10 28)

10 28 16 13 Residential Bath Accessories (10 28 16)

10 28 16 13-0001 Residential Toilet Accessories (10 28 16 13)

10 28 16 13-0002 Residential, Recessed, Chrome Plated Toilet Accessories (10 28 16 13-0001)

10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	148.57	30.51
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish	220.26	30.51
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	234.84	30.51
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder	154.74	30.51

10 28 16 13-0007 Residential, Surface Mounted, Chrome Plated Toilet Accessories (10 28 16 13-0001)

10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	98.91	20.34
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook	115.16	20.34
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook	115.16	20.34
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	241.86	20.34
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	200.97	20.34
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	127.04	27.12
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	128.87	27.12
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring	94.90	20.34
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	85.35	13.56
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	98.91	20.34
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	207.86	20.34
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	120.77	20.34
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	128.13	13.56
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	402.96	20.34
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	192.99	20.34
10 28 16 13-0023	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	95.79	20.34
10 28 16 13-0024	EA	Surface Mounted, Chrome, Double Standard Toilet Tissue Holder (Frost 150)	113.99	23.10
10 28 16 13-0025	EA	Surface Mounted, Chrome, Standard Toilet Tissue Holder (Frost 146)	107.96	23.10

10 28 16 13-0026 Residential Toilet Accessories (10 28 16 13-0001)

10 28 16 13-0027	EA	Surface Mounted Plastic Paper Towel Dispenser	126.46	30.51
10 28 16 13-0028	EA	Surface Mounted Plastic Napkin Disposal	112.01	30.51
10 28 16 13-0029	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	117.11	
10 28 16 13-0030	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	132.41	30.51
10 28 16 13-0031	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	126.51	30.51
10 28 16 13-0032	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	154.99	37.29
10 28 16 13-0033	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	86.58	27.12
10 28 16 13-0034	EA	13 Gallon Plastic Waste Door For Countertops	297.21	50.85

10 28 16 13-0035 Residential, Ceramic Toilet Accessories (10 28 16 13-0001)

10 28 16 13-0036	EA	4-1/8" x 4-1/8" x 2-7/8" Deep Ceramic Recessed Soap Dish	139.87	28.07
10 28 16 13-0037	EA	6" x 4-1/4" x 3-1/8" Deep Ceramic Recessed Soap Dish	163.67	28.07
10 28 16 13-0038	EA	8-1/8" x 15-3/8" x 2-7/8" Deep Ceramic Recessed Soap And Suds	279.50	35.26
10 28 16 13-0039	EA	6" x 6" x 3-1/4" Deep Ceramic Recessed Toilet Paper Holder	154.15	28.07
10 28 16 13-0040	EA	6" x 6" x 4-7/8" Deep Ceramic Recessed Soap And Cloth Holder With Lip Drain	192.24	28.07
10 28 16 13-0041	EA	6-3/8" x 4-3/4" x 1-3/8" Deep Ceramic Semi-Recessed Soap Dish	127.97	28.07
10 28 16 13-0042	EA	6-3/8" x 6-3/8" x 1-3/4" Deep Ceramic Semi-Recessed Soap Dish	136.54	28.07
10 28 16 13-0043	EA	6-5/8" x 5" x 2-3/8" Deep Ceramic Semi-Recessed Toilet Paper Holder	123.21	28.07
10 28 16 13-0044	EA	6-5/8" x 4-7/8" x 2-3/8" Deep Ceramic Semi-Recessed Soap And Cloth Holder	130.35	28.07
10 28 16 13-0045	EA	7-1/4" x 3" Ceramic Surface Mounted Corner Shelf	121.79	18.31
10 28 16 13-0046	EA	4-1/2" x 2-1/4" Ceramic Surface Mounted Corner Shelf	109.79	18.31
10 28 16 13-0047	EA	4" x 6" Ceramic Surface Mounted Toilet Paper Holder	86.09	18.31
10 28 16 13-0048	EA	4" x 6" Ceramic Surface Mounted Tub Soap Dish	86.71	18.31
10 28 16 13-0049	EA	4-1/4" x 4-1/4" Ceramic Surface Mounted Soap Dish	81.28	18.31
10 28 16 13-0050	EA	2-1/8" x 4-1/4" Ceramic Surface Mounted Low Profile Soap Dish	74.04	18.31
10 28 16 13-0051	EA	4" x 6" Ceramic Surface Mounted Tub Soap Dish And Cloth Holder	92.20	18.31
10 28 16 13-0052	EA	4-1/4" x 4-1/4" Ceramic Surface Mounted Toothbrush/Tumbler Holder	81.28	18.31
10 28 16 13-0053	EA	2-1/8" x 4-1/4" Ceramic Surface Mounted Toothbrush/Tumbler Holder	74.04	18.31
10 28 16 13-0054	EA	1-1/2" x 4-1/4" Ceramic Surface Mounted Towel Ring	85.16	18.31

10 28 16 13-0055 Residential Medicine Cabinets, Solid Oak (10 28 16 13-0001)

Note: Surface or recessed mounted, premium quality.

10 28 16 13-0056	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	347.33	67.80
10 28 16 13-0057	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	448.15	67.80
10 28 16 13-0058	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	363.86	67.80
10 28 16 13-0059	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	470.70	67.80
10 28 16 13-0060	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	374.28	67.80
10 28 16 13-0061	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	490.50	67.80
10 28 16 13-0062	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	388.60	67.80
10 28 16 13-0063	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	514.71	67.80

		Specialties	10	10
		Interior Specialties	10 20	
		Toilet, Bath, and Laundry Accessories	10 28	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
				DEMOLITION UNIT COST

10 28 19 Tub and Shower Enclosures (10 28)

10 28 19 16 Shower Doors (10 28 19)

10 28 19 16-0001 Swinging Shower Doors (10 28 19 16)

10 28 19 16-0002 Framed, Swinging Shower Doors (10 28 19 16-0001)

10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	580.78	64.86
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	610.33	32.43
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	732.91	32.43
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	607.19	32.43
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	649.05	32.43

10 28 19 16-0008 Frameless, Swinging Shower Doors (10 28 19 16-0001)

10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	896.06	32.43
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	937.03	32.43
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	975.58	32.43
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	1,016.55	32.43
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	1,056.32	32.43

10 28 19 16-0014 Sliding Shower Doors (10 28 19 16)

10 28 19 16-0015 Framed, Sliding Shower Doors (10 28 19 16-0014)

10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	977.37	32.43
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	894.46	32.43
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	916.79	32.43
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	940.54	32.43
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	953.79	32.43
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	973.40	32.43

10 28 19 16-0022 Frameless, Sliding Shower Doors (10 28 19 16-0014)

10 28 19 16-0023	EA	40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	1,013.67	32.43
10 28 19 16-0024	EA	44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	1,239.21	32.43
10 28 19 16-0025	EA	56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	1,315.12	32.43
10 28 19 16-0026	EA	40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	1,186.35	32.43
10 28 19 16-0027	EA	44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	1,202.97	32.43
10 28 19 16-0028	EA	56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	1,357.45	32.43

10 28 19 19 Tub Doors (10 28 19)

10 28 19 19-0001 Sliding Bathtub Doors (10 28 19 19)

10 28 19 19-0002 Framed, Sliding Bathtub Doors (10 28 19 19-0001)

10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	869.53	32.43
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	879.09	32.43
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	900.69	32.43

10 40 Safety Specialties (10)

10 41 Emergency Access And Information Cabinets (10 40)

10 41 13 Fire Department Plan Cabinets (10 41)

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) (10 41 13)

10 Specialties**10 40 Safety Specialties****10 41 Emergency Access And Information Cabinets**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,769.60	44.07
		For Tamper Switch Connected To Existing Alarm System, Add	40.00	
		For Dual Locks, Add	60.00	
		For Back Key Hook Panel, Add	60.06	
		For Swing Key Hook Panel, Add	159.06	
		For Non-Locking Weather Housing, Add	400.17	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	1,876.01	44.07
		For Tamper Switch Connected To Existing Alarm System, Add	40.00	
		For Dual Locks, Add	60.00	
		For Back Key Hook Panel, Add	60.06	
		For Swing Key Hook Panel, Add	159.06	
		For Second Swing Key Hook Panel, Add	126.06	
		For Non-Locking Weather Housing, Add	400.17	

10 41 16 Emergency Key Cabinets (10 41)**10 41 16 00-0001 Emergency Key Cabinets (Knox) (10 41 16)**

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	886.44	44.07
		For Tamper Switch Connected To Existing Alarm System, Add	40.00	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	780.03	44.07
		For Lift-Off Door, Deduct	-40.00	
		For Aluminum Or Dark Bronze Finish, Add	10.00	
		For Tamper Switch Connected To Existing Alarm System, Add	40.00	
		For Recess Mount, Add	65.29	
		For Cast-In-Place Concrete Recess Mounting, Add	119.00	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	1,040.73	44.07
		For Aluminum Or Dark Bronze Finish, Add	10.00	
		For Tamper Switch Connected To Existing Alarm System, Add	40.00	
		For Recess Mount, Add	65.29	
		For Dual Locks, Add	60.00	
		For Cast-In-Place Concrete Recess Mounting, Add	130.00	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	1,107.23	44.07
		For Aluminum Or Dark Bronze Finish, Add	10.00	
		For Tamper Switch Connected To Existing Alarm System, Add	40.00	
		For Recess Mount, Add	65.29	
		For Dual Locks, Add	60.00	
		For Cast-In-Place Concrete Recess Mounting, Add	135.00	

10 44 Fire Protection Specialties (10 40)**10 44 13 Fire Protection Cabinets (10 44)****10 44 13 00-0001 Fire Extinguisher Cabinets (10 44 13)****10 44 13 00-0002 Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)****10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	446.91	55.60
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	454.70	55.60
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	456.25	55.60
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	504.54	55.60
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	630.71	55.60
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	647.84	55.60

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	427.99	55.60
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	434.09	55.60
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	444.26	55.60
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	461.55	55.60
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	514.92	55.60
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	531.19	55.60

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	583.97	55.60
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	597.74	55.60
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	604.63	55.60
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	651.68	55.60
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	746.40	55.60
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	775.09	55.60

10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)

Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,774.89	55.60
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,788.06	55.60
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	2,056.55	55.60

			Specialties	10	10
			Safety Specialties	10 40	
			Fire Protection Specialties	10 44	
			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

10 44 13 00-0028			Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0028) Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA		10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	548.15	55.60
10 44 13 00-0030	EA		14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	607.34	55.60
10 44 13 00-0031			Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)		
10 44 13 00-0032			Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	488.96	55.60
10 44 13 00-0034	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	504.54	55.60
10 44 13 00-0035	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	506.10	55.60
10 44 13 00-0036	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	559.06	55.60
10 44 13 00-0037	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	664.98	55.60
10 44 13 00-0038	EA		20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet.....	682.11	55.60
10 44 13 00-0039			Aluminum Door And Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	473.23	55.60
10 44 13 00-0041	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	488.48	55.60
10 44 13 00-0042	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	497.63	55.60
10 44 13 00-0043	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	514.92	55.60
10 44 13 00-0044	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	574.92	55.60
10 44 13 00-0045	EA		20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet.....	589.15	55.60
10 44 13 00-0046			Stainless Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	644.27	55.60
10 44 13 00-0048	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet.....	660.34	55.60
10 44 13 00-0049	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	667.22	55.60
10 44 13 00-0050	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	702.80	55.60
10 44 13 00-0051	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	791.16	55.60
10 44 13 00-0052	EA		20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	810.67	55.60
10 44 13 00-0053			Bronze Door And Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,243.81	55.60
10 44 13 00-0055	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,254.86	55.60
10 44 13 00-0056	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,588.35	55.60
10 44 13 00-0057			Acrylic Bubble Door And Steel Trim, Semi-Recessed Fire Extinguisher Cabinets (10 44 13 00-0031) Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA		10-1/2" x 24" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	604.23	55.60
10 44 13 00-0059	EA		14" x 30" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	660.30	55.60
10 44 13 00-0060			Surface Mounted Fire Extinguisher Cabinets (10 44 13 00-0001)		
10 44 13 00-0061			Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	476.50	55.60
10 44 13 00-0063	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	485.85	55.60
10 44 13 00-0064	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	560.61	55.60
10 44 13 00-0065	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	652.51	55.60
10 44 13 00-0066	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	677.44	55.60
10 44 13 00-0067			Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	569.83	55.60
10 44 13 00-0069	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	583.05	55.60
10 44 13 00-0070	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	612.54	55.60
10 44 13 00-0071	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	670.50	55.60
10 44 13 00-0072	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	694.91	55.60
10 44 13 00-0073			Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA		12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	744.11	55.60
10 44 13 00-0075	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	765.91	55.60
10 44 13 00-0076	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	819.85	55.60
10 44 13 00-0077	EA		19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	924.28	55.60
10 44 13 00-0078	EA		23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet.....	956.41	55.60

10	10	Specialties
	10 40	Safety Specialties
	10 44	Fire Protection Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 44 13 00-0079			Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA		13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,577.94	55.60
10 44 13 00-0081	EA		15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,908.88	55.60

10 44 13 00-0082			Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets (10 44 13 00-0060) Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA		13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	569.96	55.60
10 44 13 00-0084	EA		17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	638.50	55.60
10 44 13 00-0085	EA		31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	878.37	55.60

10 44 13 00-0086			Fire Extinguisher Cabinet Accessories (10 44 13 00-0001)		
10 44 13 00-0087	EA		Standard Break Glass Cylinder Lock Mechanism	45.86	16.95
10 44 13 00-0088	EA		Breaker Bar And Chain For Break Glass Cabinets	41.68	16.95
10 44 13 00-0089	EA		Replacement Of Standard Pull Handle	39.13	
10 44 13 00-0090	EA		Fire Extinguisher Cabinet Battery Operated Alarm	121.61	33.90
10 44 13 00-0091	EA		Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	238.02	
10 44 13 00-0092	EA		Fire Rated Option For 12" x 27" x 7-3/4" Cabinets.....	261.82	
10 44 13 00-0093	EA		Fire Rated Option For 16" x 32" x 7-3/4" Cabinets.....	357.03	
10 44 13 00-0094	EA		Fire Rated Option For 20" x 27" x 7-3/4" Cabinets.....	487.94	
10 44 13 00-0095	EA		Fire Rated Option For 9" x 18" x 5-1/2" Cabinets.....	571.25	
10 44 13 00-0096	EA		Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets.....	138.05	
10 44 13 00-0097	EA		Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	142.81	
10 44 13 00-0098	EA		Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets.....	190.42	
10 44 13 00-0099	EA		Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets.....	345.13	
10 44 13 00-0100	EA		Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets.....	349.89	
10 44 13 00-0101	EA		Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	130.71	
10 44 13 00-0102	EA		Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	137.25	
10 44 13 00-0103	EA		Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	185.17	
10 44 13 00-0104	EA		Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	326.78	
10 44 13 00-0105	EA		Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	331.13	

10 44 13 00-0106			Fire Hose Cabinets (10 44 13) Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
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10 44 13 00-0107			Recessed Fire Hose Cabinets (10 44 13 00-0106)		
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10 44 13 00-0108			Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107) Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA		34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	663.55	149.57
			For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0110	EA		34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	675.84	149.57
			For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0111	EA		38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	686.08	149.57
			For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0112	EA		38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	696.33	149.57
			For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0113	EA		30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	708.61	149.57
			For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0114	EA		38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	741.36	149.57
			For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0115	EA		23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	751.61	149.57
			For Solid Steel Door, Deduct	-8.60	

10 44 13 00-0116			Aluminum Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107) Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA		34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	720.30	149.57
			For Solid Aluminum Door, Add	6.50	
10 44 13 00-0118	EA		30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	740.10	149.57
			For Solid Aluminum Door, Add	6.50	
10 44 13 00-0119	EA		34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	742.67	149.57
			For Solid Aluminum Door, Add	6.50	
10 44 13 00-0120	EA		38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	750.90	149.57
			For Solid Aluminum Door, Add	6.50	
10 44 13 00-0121	EA		38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	761.70	149.57
			For Solid Aluminum Door, Add	6.50	
10 44 13 00-0122	EA		38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	792.29	149.57
			For Solid Aluminum Door, Add	6.50	
10 44 13 00-0123	EA		23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet.....	822.89	149.57
			For Solid Aluminum Door, Add	6.50	

			Specialties	10
			Safety Specialties	10 40
			Fire Protection Specialties	10 44
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
				DEMOLITION UNIT COST

10 44 13 00-0124	Stainless Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)			
	Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	955.20	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,057.64	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,067.50	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,099.02	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,108.87	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,160.09	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet.....	1,211.32	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0132	Semi-Recessed Fire Hose Cabinets (10 44 13 00-0106)			
10 44 13 00-0133	Steel Door And Trim, Semi-Recessed Fire Hose Cabinets (10 44 13 00-0132)			
	Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	696.33	149.57
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	708.61	149.57
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	718.83	149.57
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	731.12	149.57
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	741.36	149.57
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	774.11	149.57
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet.....	786.39	149.57
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0141	Aluminum Door And Trim, Semi-Recessed Fire Hose Cabinets (10 44 13 00-0132)			
	Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	740.10	149.57
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	761.70	149.57
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	764.78	149.57
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	770.70	149.57
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	781.49	149.57
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	812.09	149.57
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet.....	842.69	149.57
		For Solid Aluminum Door, Add	6.50	
10 44 13 00-0149	Stainless Steel Door And Trim, Semi-Recessed Fire Hose Cabinets (10 44 13 00-0132)			
	Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet.....	1,016.27	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet.....	1,128.57	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet.....	1,138.42	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet.....	1,169.94	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet.....	1,179.79	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet.....	1,231.02	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet.....	1,282.24	149.57
		For Solid Stainless Steel Door, Deduct	-7.70	
10 44 13 00-0157	Surface Mount Fire Hose Cabinets (10 44 13 00-0106)			
10 44 13 00-0158	Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)			
	Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.			
10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	708.61	149.57
		For Solid Steel Door, Deduct	-8.60	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet.....	718.83	149.57
		For Solid Steel Door, Deduct	-8.60	

10 Specialties**10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 44 13 00-0161	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	731.12 -8.60		149.57
10 44 13 00-0162	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	741.36 -8.60		149.57
10 44 13 00-0163	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	751.61 -8.60		149.57
10 44 13 00-0164	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	786.39 -8.60		149.57
10 44 13 00-0165	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	796.64 -8.60		149.57
10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)				
Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.				
10 44 13 00-0167	EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	792.29 6.50		149.57
10 44 13 00-0168	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	812.09 6.50		149.57
10 44 13 00-0169	EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	817.23 6.50		149.57
10 44 13 00-0170	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	822.89 6.50		149.57
10 44 13 00-0171	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	831.89 6.50		149.57
10 44 13 00-0172	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	864.29 6.50		149.57
10 44 13 00-0173	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	884.09 6.50		149.57
10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets (10 44 13 00-0157)				
Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.				
10 44 13 00-0175	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,099.02 -7.70		149.57
10 44 13 00-0176	EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,426.07 -7.70		149.57
10 44 13 00-0177	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,508.81 -7.70		149.57
10 44 13 00-0178	EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,528.51 -7.70		149.57
10 44 13 00-0179	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,548.22 -7.70		149.57
10 44 13 00-0180	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,630.96 -7.70		149.57
10 44 13 00-0181	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,733.41 -7.70		149.57
10 44 16 Fire Extinguishers (10 44)				
10 44 16 13 Portable Fire Extinguishers (10 44 16)				
Note: Includes filling, certification, bracket, hardware and mounting on wall.				
10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher (10 44 16 13)				
10 44 16 13-0002	EA 2.5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	185.57 -4.76 -9.52 -45.20		17.62
10 44 16 13-0003	EA 5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	261.60 -7.86 -15.73 -52.16		20.34
10 44 16 13-0004	EA 10 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	340.24 -10.23 -20.46 -67.80		25.77
10 44 16 13-0005	EA 15 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	419.79 -12.51 -25.03 -84.75		32.54
10 44 16 13-0006	EA 20 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	460.68 -14.56 -29.12 -84.75		32.54
10 44 16 13-0007	EA 50 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	1,386.46 -55.76 -111.53		51.52
10 44 16 13-0008	EA 100 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i>	2,629.52 -117.92 -235.83		51.52
10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher (10 44 16 13)				
10 44 16 13-0010	EA 2.6 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher..... <i>For >5 To 10, Deduct</i> <i>For >10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	126.69 -1.81 -3.63 -45.20		17.62

		Specialties	10
		Safety Specialties	10 40
		Fire Protection Specialties	10 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 44 16 13-0011	EA		5 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher.....	155.77	20.34
			For >5 To 10, Deduct	-2.57	
			For >10, Deduct	-5.15	
			For Placement In Cabinet, Deduct	-52.16	
10 44 16 13-0012	EA		10 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher.....	217.53	25.77
			For >5 To 10, Deduct	-4.10	
			For >10, Deduct	-8.19	
			For Placement In Cabinet, Deduct	-67.80	
10 44 16 13-0013	EA		20 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher.....	298.45	32.54
			For >5 To 10, Deduct	-6.45	
			For >10, Deduct	-12.90	
			For Placement In Cabinet, Deduct	-84.75	
10 44 16 13-0014	EA		50 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	1,643.59	51.52
			For >5 To 10, Deduct	-68.62	
			For >10, Deduct	-137.24	
10 44 16 13-0015	EA		125 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	2,395.21	51.52
			For >5 To 10, Deduct	-106.20	
			For >10, Deduct	-212.40	
10 44 16 13-0016 Other Portable Fire Extinguishers (10 44 16 13)					
10 44 16 13-0017	EA		2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher.....	209.86	20.34
			Note: Stainless steel.		
			For >5 To 10, Deduct	-5.28	
			For >10, Deduct	-10.56	
			For Placement In Cabinet, Deduct	-52.16	
10 44 16 13-0018	EA		1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	321.84	32.54
			Note: Stainless steel.		
			For >5 To 10, Deduct	-7.62	
			For >10, Deduct	-15.23	
			For Placement In Cabinet, Deduct	-84.75	
10 44 16 13-0019	EA		2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	338.43	32.54
			Note: Stainless steel.		
			For >5 To 10, Deduct	-8.45	
			For >10, Deduct	-16.89	
			For Placement In Cabinet, Deduct	-84.75	
10 44 16 13-0020	EA		30 Lb. Dry Powder, Class D Portable Fire Extinguisher.....	453.08	32.54
			Note: Yellow steel.		
			For >5 To 10, Deduct	-14.18	
			For >10, Deduct	-28.36	
10 44 16 13-0021 Fire Extinguisher Backboards (10 44 16 13)					
10 44 16 13-0022 Fire Extinguisher Backboards (10 44 16 13-0021)					
			Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0023	EA		Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard.....	142.55	23.20
10 44 16 13-0024	EA		Relocate Fire Extinguisher Wood Backboard, Any Size.....	204.69	
			Note: Includes storage and cleaning.		
10 44 16 13-0025 Inspections And Testing (10 44 16 13)					
10 44 16 13-0026	EA		On Site Fire Extinguisher Annual Inspection (Tag).....	7.61	
10 44 16 13-0027	EA		On Site Fire Extinguisher Hydrotest.....	11.19	
10 44 19 Fire Blankets (10 44)					
10 44 19 00-0001	EA		Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB).....	561.65	55.60
			Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 44 19 00-0002	EA		Drop Type Fire Blanket Cabinet (JL Industries 2FB).....	413.68	55.60
			Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		

10 50 Storage Specialties (10)

10 51 Lockers (10 50)

10 51 13 Metal Lockers (10 51)

10 51 13 00-0001			Institutional Lockers (10 51 13)		
			Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0002			Single Tier Institutional Locker (10 51 13 00-0001)		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0003	EA		12" x 12" x 60" Single Tier Institutional Or Corridor Locker.....	289.04	42.03
			For >25 To 50, Deduct	-10.25	
			For >50 To 100, Deduct	-21.76	
			For >100, Deduct	-33.27	
			For 14 Gauge Doors, Add	16.40	
10 51 13 00-0004	EA		12" x 15" x 60" Single Tier Institutional Or Corridor Locker.....	299.90	42.03
			For >25 To 50, Deduct	-10.79	
			For >50 To 100, Deduct	-22.84	
			For >100, Deduct	-34.90	
			For 14 Gauge Doors, Add	17.27	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0005	EA		12" x 18" x 60" Single Tier Institutional Or Corridor Locker.....	314.75	42.03
			For >25 To 50, Deduct	-11.53	
			For >50 To 100, Deduct	-24.33	
			For >100, Deduct	-37.12	
			For 14 Gauge Doors, Add	18.45	
10 51 13 00-0006	EA		12" x 12" x 72" Single Tier Institutional Or Corridor Locker.....	314.28	43.39
			For >25 To 50, Deduct	-11.38	
			For >50 To 100, Deduct	-24.05	
			For >100, Deduct	-36.73	
			For 14 Gauge Doors, Add	18.20	
10 51 13 00-0007	EA		12" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	323.28	43.39
			For >25 To 50, Deduct	-11.83	
			For >50 To 100, Deduct	-24.95	
			For >100, Deduct	-38.08	
			For 14 Gauge Doors, Add	18.92	
10 51 13 00-0008	EA		12" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	332.06	43.39
			For >25 To 50, Deduct	-12.26	
			For >50 To 100, Deduct	-25.83	
			For >100, Deduct	-39.40	
			For 14 Gauge Doors, Add	19.62	
10 51 13 00-0009	EA		15" x 15" x 72" Single Tier Institutional Or Corridor Locker.....	347.21	43.39
			For >25 To 50, Deduct	-13.02	
			For >50 To 100, Deduct	-27.34	
			For >100, Deduct	-41.67	
			For 14 Gauge Doors, Add	20.83	
10 51 13 00-0010	EA		15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	362.20	43.39
			For >25 To 50, Deduct	-13.77	
			For >50 To 100, Deduct	-28.84	
			For >100, Deduct	-43.92	
			For 14 Gauge Doors, Add	22.03	
10 51 13 00-0011	EA		18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	378.09	43.39
			For >25 To 50, Deduct	-14.57	
			For >50 To 100, Deduct	-30.43	
			For >100, Deduct	-46.30	
			For 14 Gauge Doors, Add	23.30	
10 51 13 00-0012	EA		18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	392.75	43.39
			For >25 To 50, Deduct	-15.30	
			For >50 To 100, Deduct	-31.90	
			For >100, Deduct	-48.50	
			For 14 Gauge Doors, Add	24.48	
10 51 13 00-0013	EA		24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	526.74	43.39
			For >25 To 50, Deduct	-22.00	
			For >50 To 100, Deduct	-45.30	
			For >100, Deduct	-68.60	
			For 14 Gauge Doors, Add	35.20	
10 51 13 00-0014			Two Tier Institutional Locker (10 51 13 00-0001)		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0015	EA		12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	339.62	43.39
			For >25 To 50, Deduct	-12.64	
			For >50 To 100, Deduct	-26.59	
			For >100, Deduct	-40.53	
			For 14 Gauge Doors, Add	27.81	
10 51 13 00-0016	EA		12" x 15" x 60" Two Tier Institutional Or Corridor Locker.....	346.46	43.39
			For >25 To 50, Deduct	-12.98	
			For >50 To 100, Deduct	-27.27	
			For >100, Deduct	-41.56	
			For 14 Gauge Doors, Add	28.56	
10 51 13 00-0017	EA		12" x 18" x 60" Two Tier Institutional Or Corridor Locker.....	353.36	43.39
			For >25 To 50, Deduct	-13.33	
			For >50 To 100, Deduct	-27.96	
			For >100, Deduct	-42.59	
			For 14 Gauge Doors, Add	29.32	
10 51 13 00-0018	EA		12" x 12" x 72" Two Tier Institutional Or Corridor Locker.....	354.90	44.75
			For >25 To 50, Deduct	-13.27	
			For >50 To 100, Deduct	-27.88	
			For >100, Deduct	-42.50	
			For 14 Gauge Doors, Add	29.19	
10 51 13 00-0019	EA		12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	369.86	44.75
			For >25 To 50, Deduct	-14.02	
			For >50 To 100, Deduct	-29.38	
			For >100, Deduct	-44.74	
			For 14 Gauge Doors, Add	30.84	
10 51 13 00-0020	EA		12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	378.89	44.75
			For >25 To 50, Deduct	-14.47	
			For >50 To 100, Deduct	-30.28	
			For >100, Deduct	-46.09	
			For 14 Gauge Doors, Add	31.83	
10 51 13 00-0021	EA		15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	391.83	44.75
			For >25 To 50, Deduct	-15.12	
			For >50 To 100, Deduct	-31.58	
			For >100, Deduct	-48.03	
			For 14 Gauge Doors, Add	33.26	
10 51 13 00-0022	EA		15" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	404.82	44.75
			For >25 To 50, Deduct	-15.77	
			For >50 To 100, Deduct	-32.87	
			For >100, Deduct	-49.98	
			For 14 Gauge Doors, Add	34.69	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0023	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	463.64	44.75
		For >25 To 50, Deduct	-18.71	
		For >50 To 100, Deduct	-38.76	
		For >100, Deduct	-58.81	
		For 14 Gauge Doors, Add	41.16	
10 51 13 00-0024	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker.....	474.32	44.75
		For >25 To 50, Deduct	-19.24	
		For >50 To 100, Deduct	-39.82	
		For >100, Deduct	-60.41	
		For 14 Gauge Doors, Add	42.33	
10 51 13 00-0025 Three Tier Institutional Locker (10 51 13 00-0001)				
Note: Includes one double hook per tier.				
10 51 13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	397.32	46.11
		For >25 To 50, Deduct	-15.26	
		For >50 To 100, Deduct	-31.89	
		For >100, Deduct	-48.53	
		For 14 Gauge Doors, Add	45.77	
10 51 13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	404.35	46.11
		For >25 To 50, Deduct	-15.61	
		For >50 To 100, Deduct	-32.60	
		For >100, Deduct	-49.59	
		For 14 Gauge Doors, Add	46.82	
10 51 13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	429.31	46.11
		For >25 To 50, Deduct	-16.86	
		For >50 To 100, Deduct	-35.09	
		For >100, Deduct	-53.33	
		For 14 Gauge Doors, Add	50.57	
10 51 13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	453.22	46.11
		For >25 To 50, Deduct	-18.05	
		For >50 To 100, Deduct	-37.48	
		For >100, Deduct	-56.92	
		For 14 Gauge Doors, Add	54.15	
10 51 13 00-0030	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	472.26	46.11
		For >25 To 50, Deduct	-19.00	
		For >50 To 100, Deduct	-39.39	
		For >100, Deduct	-59.77	
		For 14 Gauge Doors, Add	57.01	
10 51 13 00-0031 Four Tier Institutional Locker (10 51 13 00-0001)				
10 51 13 00-0032	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	390.65	47.46
		For >25 To 50, Deduct	-14.79	
		For >50 To 100, Deduct	-31.00	
		For >100, Deduct	-47.21	
10 51 13 00-0033	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	402.91	47.46
		For >25 To 50, Deduct	-15.40	
		For >50 To 100, Deduct	-32.22	
		For >100, Deduct	-49.04	
10 51 13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	422.63	47.46
		For >25 To 50, Deduct	-16.39	
		For >50 To 100, Deduct	-34.19	
		For >100, Deduct	-52.00	
10 51 13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	438.41	47.46
		For >25 To 50, Deduct	-17.17	
		For >50 To 100, Deduct	-35.77	
		For >100, Deduct	-54.37	
10 51 13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	461.13	47.46
		For >25 To 50, Deduct	-18.31	
		For >50 To 100, Deduct	-38.04	
		For >100, Deduct	-57.78	
10 51 13 00-0037 Six Tier Institutional Locker (10 51 13 00-0001)				
10 51 13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker.....	424.19	48.82
		For >25 To 50, Deduct	-16.33	
		For >50 To 100, Deduct	-34.12	
		For >100, Deduct	-51.91	
10 51 13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker.....	433.64	48.82
		For >25 To 50, Deduct	-16.80	
		For >50 To 100, Deduct	-35.07	
		For >100, Deduct	-53.33	
10 51 13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker.....	451.49	48.82
		For >25 To 50, Deduct	-17.69	
		For >50 To 100, Deduct	-36.85	
		For >100, Deduct	-56.01	
10 51 13 00-0041 Locker And Coat Rack Combination (10 51 13 00-0001)				
10 51 13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	767.89	32.54
10 51 13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	1,232.42	67.80
10 51 13 00-0044 All-Welded Steel Lockers (10 51 13)				

10	10	Specialties
	10 50	Storage Specialties
	10 51	Lockers



MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
10 51 13 00-0045	All-Welded Steel Lockers (10 51 13 00-0044)		Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0046	Single Tier, All-Welded Steel Lockers (10 51 13 00-0045)		Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0047	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	194.76		23.73
		For>25 To 50, Deduct	-8.04		
		For>50 To 100, Deduct	-16.59		
		For>100, Deduct	-25.15		
10 51 13 00-0048	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	204.25		23.73
		For>25 To 50, Deduct	-8.52		
		For>50 To 100, Deduct	-17.54		
		For>100, Deduct	-26.57		
10 51 13 00-0049	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	213.40		23.73
		For>25 To 50, Deduct	-8.98		
		For>50 To 100, Deduct	-18.46		
		For>100, Deduct	-27.94		
10 51 13 00-0050	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	202.60		23.73
		For>25 To 50, Deduct	-8.44		
		For>50 To 100, Deduct	-17.38		
		For>100, Deduct	-26.32		
10 51 13 00-0051	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	211.74		23.73
		For>25 To 50, Deduct	-8.89		
		For>50 To 100, Deduct	-18.29		
		For>100, Deduct	-27.69		
10 51 13 00-0052	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	220.88		23.73
		For>25 To 50, Deduct	-9.35		
		For>50 To 100, Deduct	-19.21		
		For>100, Deduct	-29.06		
10 51 13 00-0053	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	214.44		26.10
		For>25 To 50, Deduct	-8.86		
		For>50 To 100, Deduct	-18.27		
		For>100, Deduct	-27.69		
10 51 13 00-0054	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	222.90		26.10
		For>25 To 50, Deduct	-9.28		
		For>50 To 100, Deduct	-19.12		
		For>100, Deduct	-28.96		
10 51 13 00-0055	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	232.04		26.10
		For>25 To 50, Deduct	-9.74		
		For>50 To 100, Deduct	-20.03		
		For>100, Deduct	-30.33		
10 51 13 00-0056	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	240.59		26.10
		For>25 To 50, Deduct	-10.17		
		For>50 To 100, Deduct	-20.89		
		For>100, Deduct	-31.61		
10 51 13 00-0057	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	247.64		26.10
		For>25 To 50, Deduct	-10.52		
		For>50 To 100, Deduct	-21.59		
		For>100, Deduct	-32.67		
10 51 13 00-0058	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	257.35		26.10
		For>25 To 50, Deduct	-11.00		
		For>50 To 100, Deduct	-22.57		
		For>100, Deduct	-34.13		
10 51 13 00-0059	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	268.28		26.10
		For>25 To 50, Deduct	-11.55		
		For>50 To 100, Deduct	-23.66		
		For>100, Deduct	-35.77		
10 51 13 00-0060	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	432.90		26.10
		For>25 To 50, Deduct	-19.78		
		For>50 To 100, Deduct	-40.12		
		For>100, Deduct	-60.46		
10 51 13 00-0061	Two Tier, All-Welded Steel Lockers (10 51 13 00-0045)		Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0062	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	232.23		23.73
		For>25 To 50, Deduct	-9.92		
		For>50 To 100, Deduct	-20.34		
		For>100, Deduct	-30.77		
10 51 13 00-0063	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	236.43		23.73
		For>25 To 50, Deduct	-10.13		
		For>50 To 100, Deduct	-20.76		
		For>100, Deduct	-31.40		
10 51 13 00-0064	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	247.69		23.73
		For>25 To 50, Deduct	-10.69		
		For>50 To 100, Deduct	-21.89		
		For>100, Deduct	-33.09		
10 51 13 00-0065	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	242.62		26.10
		For>25 To 50, Deduct	-10.27		
		For>50 To 100, Deduct	-21.09		
		For>100, Deduct	-31.92		
10 51 13 00-0066	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	258.14		26.10
		For>25 To 50, Deduct	-11.04		
		For>50 To 100, Deduct	-22.64		
		For>100, Deduct	-34.25		

		Specialties	10
		Storage Specialties	10 50
		Lockers	10 51

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0067	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	266.60	26.10
		For >25 To 50, Deduct	-11.47	
		For >50 To 100, Deduct	-23.49	
		For >100, Deduct	-35.52	
10 51 13 00-0068	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	278.66	26.10
		For >25 To 50, Deduct	-12.07	
		For >50 To 100, Deduct	-24.70	
		For >100, Deduct	-37.32	
10 51 13 00-0069	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	284.34	26.10
		For >25 To 50, Deduct	-12.35	
		For >50 To 100, Deduct	-25.26	
		For >100, Deduct	-38.18	
10 51 13 00-0070	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	300.70	26.10
		For >25 To 50, Deduct	-13.17	
		For >50 To 100, Deduct	-26.90	
		For >100, Deduct	-40.63	
10 51 13 00-0071	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	313.37	26.10
		For >25 To 50, Deduct	-13.80	
		For >50 To 100, Deduct	-28.17	
		For >100, Deduct	-42.53	
10 51 13 00-0072		Three Tier, All-Welded Steel Lockers (10 51 13 00-0045)		
		Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0073	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	286.34	26.10
		For >25 To 50, Deduct	-12.45	
		For >50 To 100, Deduct	-25.46	
		For >100, Deduct	-38.48	
10 51 13 00-0074	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	292.70	26.10
		For >25 To 50, Deduct	-12.77	
		For >50 To 100, Deduct	-26.10	
		For >100, Deduct	-39.43	
10 51 13 00-0075	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	299.02	26.10
		For >25 To 50, Deduct	-13.09	
		For >50 To 100, Deduct	-26.73	
		For >100, Deduct	-40.38	
10 51 13 00-0076	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	313.97	26.10
		For >25 To 50, Deduct	-13.83	
		For >50 To 100, Deduct	-28.23	
		For >100, Deduct	-42.62	
10 51 13 00-0077	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	316.73	26.10
		For >25 To 50, Deduct	-13.97	
		For >50 To 100, Deduct	-28.50	
		For >100, Deduct	-43.03	
10 51 13 00-0078		Four Tier, All-Welded Steel Lockers (10 51 13 00-0045)		
10 51 13 00-0079	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	271.26	26.10
		For >25 To 50, Deduct	-11.70	
		For >50 To 100, Deduct	-23.96	
		For >100, Deduct	-36.21	
10 51 13 00-0080	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	277.27	26.10
		For >25 To 50, Deduct	-12.00	
		For >50 To 100, Deduct	-24.56	
		For >100, Deduct	-37.12	
10 51 13 00-0081	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	283.23	26.10
		For >25 To 50, Deduct	-12.30	
		For >50 To 100, Deduct	-25.15	
		For >100, Deduct	-38.01	
10 51 13 00-0082	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	297.30	26.10
		For >25 To 50, Deduct	-13.00	
		For >50 To 100, Deduct	-26.56	
		For >100, Deduct	-40.12	
10 51 13 00-0083	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	299.86	26.10
		For >25 To 50, Deduct	-13.13	
		For >50 To 100, Deduct	-26.82	
		For >100, Deduct	-40.50	
10 51 13 00-0084		Six Tier, All-Welded Steel Lockers (10 51 13 00-0045)		
10 51 13 00-0085	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	280.60	26.10
		For >25 To 50, Deduct	-12.17	
		For >50 To 100, Deduct	-24.89	
		For >100, Deduct	-37.62	
10 51 13 00-0086	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	289.37	26.10
		For >25 To 50, Deduct	-12.60	
		For >50 To 100, Deduct	-25.77	
		For >100, Deduct	-38.93	
10 51 13 00-0087	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	295.82	26.10
		For >25 To 50, Deduct	-12.93	
		For >50 To 100, Deduct	-26.41	
		For >100, Deduct	-39.90	
10 51 13 00-0088		All Welded Locker Accessories (10 51 13 00-0044)		
10 51 13 00-0089	EA	ADA Requirements For All Welded Lockers	131.84	
10 51 13 00-0090	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	214.27	5.43
10 51 13 00-0091	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	248.17	5.43
10 51 13 00-0092	EA	Recessed Trim For All Welded Lockers	151.48	5.43

10 Specialties**10 50 Storage Specialties****10 51 Lockers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 51 13 00-0093	EA	Built In Combination Lock For All Welded Lockers	47.23	5.43
10 51 13 00-0094	EA	Pad Lock For All Welded Lockers.....	42.24	5.43

10 51 13 00-0095 Athletic Lockers (10 51 13)

Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0096 Single Tier Athletic Locker (10 51 13 00-0095)

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0097	EA	12" x 15" x 60" Single Tier Athletic Locker	427.87	43.39
		For >25 To 50, Deduct	-17.05	
		For >50 To 100, Deduct	-35.41	
		For >100, Deduct	-53.77	
10 51 13 00-0098	EA	12" x 18" x 60" Single Tier Athletic Locker	442.28	43.39
		For >25 To 50, Deduct	-17.78	
		For >50 To 100, Deduct	-36.85	
		For >100, Deduct	-55.93	
10 51 13 00-0099	EA	15" x 15" x 60" Single Tier Athletic Locker	451.54	43.39
		For >25 To 50, Deduct	-18.24	
		For >50 To 100, Deduct	-37.78	
		For >100, Deduct	-57.32	
10 51 13 00-0100	EA	15" x 18" x 60" Single Tier Athletic Locker	466.92	43.39
		For >25 To 50, Deduct	-19.01	
		For >50 To 100, Deduct	-39.32	
		For >100, Deduct	-59.62	
10 51 13 00-0101	EA	18" x 18" x 60" Single Tier Athletic Locker	533.25	43.39
		For >25 To 50, Deduct	-22.32	
		For >50 To 100, Deduct	-45.95	
		For >100, Deduct	-69.57	
10 51 13 00-0102	EA	18" x 21" x 60" Single Tier Athletic Locker	586.00	43.39
		For >25 To 50, Deduct	-24.96	
		For >50 To 100, Deduct	-51.22	
		For >100, Deduct	-77.49	
10 51 13 00-0103	EA	18" x 24" x 60" Single Tier Athletic Locker	622.07	43.39
		For >25 To 50, Deduct	-26.76	
		For >50 To 100, Deduct	-54.83	
		For >100, Deduct	-82.90	
10 51 13 00-0104	EA	12" x 15" x 72" Single Tier Athletic Locker	443.86	43.39
		For >25 To 50, Deduct	-17.85	
		For >50 To 100, Deduct	-37.01	
		For >100, Deduct	-56.17	
10 51 13 00-0105	EA	12" x 18" x 72" Single Tier Athletic Locker	469.81	43.39
		For >25 To 50, Deduct	-19.15	
		For >50 To 100, Deduct	-39.60	
		For >100, Deduct	-60.06	
10 51 13 00-0106	EA	15" x 15" x 72" Single Tier Athletic Locker	478.93	43.39
		For >25 To 50, Deduct	-19.61	
		For >50 To 100, Deduct	-40.52	
		For >100, Deduct	-61.43	
10 51 13 00-0107	EA	15" x 18" x 72" Single Tier Athletic Locker	495.58	43.39
		For >25 To 50, Deduct	-20.44	
		For >50 To 100, Deduct	-42.18	
		For >100, Deduct	-63.92	
10 51 13 00-0108	EA	18" x 18" x 72" Single Tier Athletic Locker	536.65	43.39
		For >25 To 50, Deduct	-22.49	
		For >50 To 100, Deduct	-46.29	
		For >100, Deduct	-70.08	
10 51 13 00-0109	EA	18" x 21" x 72" Single Tier Athletic Locker	579.70	43.39
		For >25 To 50, Deduct	-24.65	
		For >50 To 100, Deduct	-50.59	
		For >100, Deduct	-76.54	

10 51 13 00-0110 Two Tier Athletic Locker (10 51 13 00-0095)

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0111	EA	12" x 12" x 60" Two Tier Athletic Locker	478.70	44.75
		For >25 To 50, Deduct	-19.46	
		For >50 To 100, Deduct	-40.26	
		For >100, Deduct	-61.07	
10 51 13 00-0112	EA	12" x 15" x 60" Two Tier Athletic Locker	494.03	44.75
		For >25 To 50, Deduct	-20.23	
		For >50 To 100, Deduct	-41.80	
		For >100, Deduct	-63.36	
10 51 13 00-0113	EA	12" x 18" x 60" Two Tier Athletic Locker	511.29	44.75
		For >25 To 50, Deduct	-21.09	
		For >50 To 100, Deduct	-43.52	
		For >100, Deduct	-65.95	
10 51 13 00-0114	EA	15" x 15" x 60" Two Tier Athletic Locker	512.97	44.75
		For >25 To 50, Deduct	-21.17	
		For >50 To 100, Deduct	-43.69	
		For >100, Deduct	-66.21	
10 51 13 00-0115	EA	15" x 18" x 60" Two Tier Athletic Locker	516.56	44.75
		For >25 To 50, Deduct	-21.35	
		For >50 To 100, Deduct	-44.05	
		For >100, Deduct	-66.74	
10 51 13 00-0116	EA	18" x 18" x 60" Two Tier Athletic Locker	546.89	44.75
		For >25 To 50, Deduct	-22.87	
		For >50 To 100, Deduct	-47.08	
		For >100, Deduct	-71.29	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0117	EA	18" x 21" x 60" Two Tier Athletic Locker	569.10	44.75
		For >25 To 50, Deduct	-23.98	
		For >50 To 100, Deduct	-49.30	
		For >100, Deduct	-74.63	
10 51 13 00-0118	EA	18" x 24" x 60" Two Tier Athletic Locker	668.30	44.75
		For >25 To 50, Deduct	-28.94	
		For >50 To 100, Deduct	-59.22	
		For >100, Deduct	-89.51	
10 51 13 00-0119	EA	12" x 12" x 72" Two Tier Athletic Locker	495.30	44.75
		For >25 To 50, Deduct	-20.29	
		For >50 To 100, Deduct	-41.92	
		For >100, Deduct	-63.56	
10 51 13 00-0120	EA	12" x 15" x 72" Two Tier Athletic Locker	511.00	44.75
		For >25 To 50, Deduct	-21.08	
		For >50 To 100, Deduct	-43.49	
		For >100, Deduct	-65.91	
10 51 13 00-0121	EA	12" x 18" x 72" Two Tier Athletic Locker	532.41	44.75
		For >25 To 50, Deduct	-22.15	
		For >50 To 100, Deduct	-45.63	
		For >100, Deduct	-69.12	
10 51 13 00-0122	EA	15" x 15" x 72" Two Tier Athletic Locker	535.65	44.75
		For >25 To 50, Deduct	-22.31	
		For >50 To 100, Deduct	-45.96	
		For >100, Deduct	-69.61	
10 51 13 00-0123	EA	15" x 18" x 72" Two Tier Athletic Locker	553.25	44.75
		For >25 To 50, Deduct	-23.19	
		For >50 To 100, Deduct	-47.72	
		For >100, Deduct	-72.25	
10 51 13 00-0124	EA	18" x 18" x 72" Two Tier Athletic Locker	574.86	44.75
		For >25 To 50, Deduct	-24.27	
		For >50 To 100, Deduct	-49.88	
		For >100, Deduct	-75.49	
10 51 13 00-0125	EA	18" x 21" x 72" Two Tier Athletic Locker	623.37	44.75
		For >25 To 50, Deduct	-26.69	
		For >50 To 100, Deduct	-54.73	
		For >100, Deduct	-82.77	
10 51 13 00-0126 Three Tier Athletic Locker (10 51 13 00-0095)				
Note: Includes one double hook per tier.				
10 51 13 00-0127	EA	12" x 12" x 60" Three Tier Athletic Locker	518.34	46.11
		For >25 To 50, Deduct	-21.31	
		For >50 To 100, Deduct	-44.00	
		For >100, Deduct	-66.69	
10 51 13 00-0128	EA	12" x 15" x 60" Three Tier Athletic Locker	543.19	46.11
		For >25 To 50, Deduct	-22.55	
		For >50 To 100, Deduct	-46.48	
		For >100, Deduct	-70.41	
10 51 13 00-0129	EA	12" x 18" x 60" Three Tier Athletic Locker	565.16	46.11
		For >25 To 50, Deduct	-23.65	
		For >50 To 100, Deduct	-48.68	
		For >100, Deduct	-73.71	
10 51 13 00-0130	EA	15" x 15" x 60" Three Tier Athletic Locker	580.08	46.11
		For >25 To 50, Deduct	-24.39	
		For >50 To 100, Deduct	-50.17	
		For >100, Deduct	-75.95	
10 51 13 00-0131	EA	15" x 18" x 60" Three Tier Athletic Locker	604.92	46.11
		For >25 To 50, Deduct	-25.64	
		For >50 To 100, Deduct	-52.65	
		For >100, Deduct	-79.67	
10 51 13 00-0132	EA	12" x 12" x 72" Three Tier Athletic Locker	546.64	46.11
		For >25 To 50, Deduct	-22.72	
		For >50 To 100, Deduct	-46.83	
		For >100, Deduct	-70.93	
10 51 13 00-0133	EA	12" x 15" x 72" Three Tier Athletic Locker	569.09	46.11
		For >25 To 50, Deduct	-23.84	
		For >50 To 100, Deduct	-49.07	
		For >100, Deduct	-74.30	
10 51 13 00-0134	EA	12" x 18" x 72" Three Tier Athletic Locker	600.05	46.11
		For >25 To 50, Deduct	-25.39	
		For >50 To 100, Deduct	-52.17	
		For >100, Deduct	-78.94	
10 51 13 00-0135	EA	15" x 15" x 72" Three Tier Athletic Locker	615.90	46.11
		For >25 To 50, Deduct	-26.18	
		For >50 To 100, Deduct	-53.75	
		For >100, Deduct	-81.32	
10 51 13 00-0136	EA	15" x 18" x 72" Three Tier Athletic Locker	639.68	46.11
		For >25 To 50, Deduct	-27.37	
		For >50 To 100, Deduct	-56.13	
		For >100, Deduct	-84.89	
10 51 13 00-0137 Four Tier Athletic Locker (10 51 13 00-0095)				
10 51 13 00-0138	EA	12" x 12" x 60" Four Tier Athletic Locker	478.67	47.46
		For >25 To 50, Deduct	-19.19	
		For >50 To 100, Deduct	-39.80	
		For >100, Deduct	-60.41	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 51 13 00-0139	EA	12" x 15" x 60" Four Tier Athletic Locker	509.10	47.46
		For >25 To 50, Deduct	-20.71	
		For >50 To 100, Deduct	-42.84	
		For >100, Deduct	-64.97	
10 51 13 00-0140	EA	12" x 18" x 60" Four Tier Athletic Locker	539.54	47.46
		For >25 To 50, Deduct	-22.23	
		For >50 To 100, Deduct	-45.88	
		For >100, Deduct	-69.54	
10 51 13 00-0141	EA	15" x 15" x 60" Four Tier Athletic Locker	551.97	47.46
		For >25 To 50, Deduct	-22.85	
		For >50 To 100, Deduct	-47.13	
		For >100, Deduct	-71.40	
10 51 13 00-0142	EA	15" x 18" x 60" Four Tier Athletic Locker	601.97	47.46
		For >25 To 50, Deduct	-25.35	
		For >50 To 100, Deduct	-52.13	
		For >100, Deduct	-78.90	
10 51 13 00-0143	EA	12" x 12" x 72" Four Tier Athletic Locker	509.63	47.46
		For >25 To 50, Deduct	-20.74	
		For >50 To 100, Deduct	-42.89	
		For >100, Deduct	-65.05	
10 51 13 00-0144	EA	12" x 15" x 72" Four Tier Athletic Locker	540.51	47.46
		For >25 To 50, Deduct	-22.28	
		For >50 To 100, Deduct	-45.98	
		For >100, Deduct	-69.68	
10 51 13 00-0145	EA	12" x 18" x 72" Four Tier Athletic Locker	571.37	47.46
		For >25 To 50, Deduct	-23.82	
		For >50 To 100, Deduct	-49.07	
		For >100, Deduct	-74.31	
10 51 13 00-0146	EA	15" x 15" x 72" Four Tier Athletic Locker	587.18	47.46
		For >25 To 50, Deduct	-24.61	
		For >50 To 100, Deduct	-50.65	
		For >100, Deduct	-76.69	
10 51 13 00-0147	EA	15" x 18" x 72" Four Tier Athletic Locker	599.04	47.46
		For >25 To 50, Deduct	-25.21	
		For >50 To 100, Deduct	-51.83	
		For >100, Deduct	-78.46	
10 51 13 00-0148 Six Tier Athletic Locker (10 51 13 00-0095)				
10 51 13 00-0149	EA	12" x 12" x 72" Six Tier Athletic Locker	564.26	48.82
		For >25 To 50, Deduct	-23.33	
		For >50 To 100, Deduct	-48.13	
		For >100, Deduct	-72.92	
10 51 13 00-0150	EA	12" x 15" x 72" Six Tier Athletic Locker	587.97	48.82
		For >25 To 50, Deduct	-24.52	
		For >50 To 100, Deduct	-50.50	
		For >100, Deduct	-76.48	
10 51 13 00-0151	EA	12" x 18" x 72" Six Tier Athletic Locker	611.64	48.82
		For >25 To 50, Deduct	-25.70	
		For >50 To 100, Deduct	-52.87	
		For >100, Deduct	-80.03	
10 51 13 00-0152	EA	12" x 21" x 72" Six Tier Athletic Locker	698.04	48.82
		For >25 To 50, Deduct	-30.02	
		For >50 To 100, Deduct	-61.51	
		For >100, Deduct	-92.99	
10 51 13 00-0153 Metal Locker Accessories (10 51 13)				
10 51 13 00-0154 Locker Slope Tops (10 51 13 00-0153)				
10 51 13 00-0155 16 Gauge Continuous Sloping Hood (10 51 13 00-0154)				
10 51 13 00-0156	LF	12" Deep, 16 Gauge Continuous Slope Top	36.13	5.43
10 51 13 00-0157	LF	15" Deep, 16 Gauge Continuous Slope Top	30.74	5.43
10 51 13 00-0158	LF	18" Deep, 16 Gauge Continuous Slope Top	41.66	5.43
10 51 13 00-0159	LF	21" Deep, 16 Gauge Continuous Slope Top	45.86	5.43
10 51 13 00-0160	LF	24" Deep, 16 Gauge Continuous Slope Top	47.83	5.43
10 51 13 00-0161 16 Gauge Slope Top Corner Fillers (10 51 13 00-0154)				
10 51 13 00-0162	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	144.57	5.43
10 51 13 00-0163	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	147.63	5.43
10 51 13 00-0164	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	150.68	5.43
10 51 13 00-0165	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	154.37	5.43
10 51 13 00-0166	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	158.03	5.43
10 51 13 00-0167 20 Gauge Individual Slope Top (10 51 13 00-0154)				
10 51 13 00-0168	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	31.27	5.43
10 51 13 00-0169	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	31.07	5.43
10 51 13 00-0170	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	34.40	5.43
10 51 13 00-0171	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	34.40	5.43
10 51 13 00-0172	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	35.19	5.43
10 51 13 00-0173	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	38.33	5.43
10 51 13 00-0174	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	38.33	5.43
10 51 13 00-0175	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	42.46	5.43
10 51 13 00-0176	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	47.38	5.43

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0177 Continuous Slope Top End Closures (10 51 13 00-0154)		
10 51 13 00-0178 PR 12" Deep, Continuous Slope Top End Closures	33.23	5.43
10 51 13 00-0179 PR 15" Deep, Continuous Slope Top End Closures	28.48	5.43
10 51 13 00-0180 PR 18" Deep, Continuous Slope Top End Closures	37.14	5.43
10 51 13 00-0181 PR 21" Deep, Continuous Slope Top End Closures	39.12	5.43
10 51 13 00-0182 PR 24" Deep, Continuous Slope Top End Closures	40.46	5.43
10 51 13 00-0183 Individual Slope Top End Closures (10 51 13 00-0154)		
10 51 13 00-0184 EA 12" Deep, Individual Slope Top End Closures	22.04	5.43
10 51 13 00-0185 EA 15" Deep, Individual Slope Top End Closures	22.65	5.43
10 51 13 00-0186 EA 18" Deep, Individual Slope Top End Closures	24.02	5.43
10 51 13 00-0187 EA 21" Deep, Individual Slope Top End Closures	24.97	5.43
10 51 13 00-0188 EA 24" Deep, Individual Slope Top End Closures	34.65	5.43
10 51 13 00-0189 Locker Base (10 51 13 00-0153)		
10 51 13 00-0190 Closed Front Base (10 51 13 00-0189)		
10 51 13 00-0191 EA 12" Wide, 6" High Closed Front Base	23.09	5.43
10 51 13 00-0192 EA 15" Wide, 6" High Closed Front Base	24.12	5.43
10 51 13 00-0193 EA 18" Wide, 6" High Closed Front Base	26.25	5.43
10 51 13 00-0194 EA 24" Wide, 6" High Closed Front Base	27.28	5.43
10 51 13 00-0195 Closed End Base (10 51 13 00-0189)		
10 51 13 00-0196 EA 12" Deep, 6" High Closed End Base	25.93	5.43
10 51 13 00-0197 EA 15" Deep, 6" High Closed End Base	26.11	5.43
10 51 13 00-0198 EA 18" Deep, 6" High Closed End Base	27.50	5.43
10 51 13 00-0199 EA 21" Deep, 6" High Closed End Base	28.86	5.43
10 51 13 00-0200 EA 24" Deep, 6" High Closed End Base	30.72	5.43
10 51 13 00-0201 Recessed Continuous Front "Z" Base (10 51 13 00-0189)		
10 51 13 00-0202 LF 4" High Recessed Continuous Front "Z" Base	26.75	4.07
10 51 13 00-0203 "Z" Base Ends Or Splice (10 51 13 00-0189)		
10 51 13 00-0204 EA 12" Wide, 4" High Z-Base Ends Or Splice	27.04	5.43
10 51 13 00-0205 EA 15" Wide, 4" High Z-Base Ends Or Splice	31.07	5.43
10 51 13 00-0206 EA 18" Wide, 4" High Z-Base Ends Or Splice	35.19	5.43
10 51 13 00-0207 EA 21" Wide, 4" High Z-Base Ends Or Splice	39.52	5.43
10 51 13 00-0208 EA 24" Wide, 4" High Z-Base Ends Or Splice	43.83	5.43
10 51 13 00-0209 Locker Front Fillers And End Panels (10 51 13 00-0153)		
10 51 13 00-0210 Locker Front Fillers (10 51 13 00-0209)		
10 51 13 00-0211 EA 6" Wide x 48" High, 16 Gauge Front Filler	35.15	6.78
10 51 13 00-0212 EA 12" Wide x 48" High, 16 Gauge Front Filler	55.75	6.78
10 51 13 00-0213 EA 6" Wide x 60" High, 16 Gauge Front Filler	43.61	6.78
10 51 13 00-0214 EA 12" Wide x 60" High, 16 Gauge Front Filler	66.30	6.78
10 51 13 00-0215 EA 6" Wide x 66" High, 16 Gauge Front Filler	47.31	6.78
10 51 13 00-0216 EA 12" Wide x 66" High, 16 Gauge Front Filler	52.92	6.78
10 51 13 00-0217 EA 6" Wide x 72" High, 16 Gauge Front Filler	51.60	6.78
10 51 13 00-0218 EA 12" Wide x 72" High, 16 Gauge Front Filler	72.43	6.78
10 51 13 00-0219 EA 6" Wide x 78" High, 16 Gauge Front Filler	52.78	6.78
10 51 13 00-0220 EA 12" Wide x 78" High, 16 Gauge Front Filler	61.20	6.78
10 51 13 00-0221 Locker End Panels (10 51 13 00-0209)		
10 51 13 00-0222 EA 12" Deep x 48" High, 16 Gauge End Panel	56.28	5.43
10 51 13 00-0223 EA 15" Deep x 48" High, 16 Gauge End Panel	68.40	5.43
10 51 13 00-0224 EA 18" Deep x 48" High, 16 Gauge End Panel	80.06	5.43
10 51 13 00-0225 EA 12" Deep x 60" High, 16 Gauge End Panel	66.20	5.43
10 51 13 00-0226 EA 15" Deep x 60" High, 16 Gauge End Panel	74.90	5.43
10 51 13 00-0227 EA 18" Deep x 60" High, 16 Gauge End Panel	88.58	5.43
10 51 13 00-0228 EA 12" Deep x 72" High, 16 Gauge End Panel	77.77	5.43
10 51 13 00-0229 EA 15" Deep x 72" High, 16 Gauge End Panel	88.35	5.43
10 51 13 00-0230 EA 18" Deep x 72" High, 16 Gauge End Panel	102.42	5.43
10 51 13 00-0231 EA 21" Deep x 72" High, 16 Gauge End Panel	117.70	5.43
10 51 13 00-0232 Locker Recessed Trim (10 51 13 00-0153)		
10 51 13 00-0233 LF 3" Height, Top Trim For Recessed Lockers	12.01	2.71
10 51 13 00-0234 EA 3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	32.60	5.43
10 51 13 00-0235 EA 60" Height, 3" Wide Side Trim For Recessed Lockers	48.91	5.43
10 51 13 00-0236 EA 66" Height, 3" Wide Side Trim For Recessed Lockers	50.63	5.43
10 51 13 00-0237 EA 72" Height, 3" Wide Side Trim For Recessed Lockers	52.35	5.43
10 51 13 00-0238 EA 78" Height, 3" Wide Side Trim For Recessed Lockers	53.85	5.43
10 51 13 00-0239 Locker Interior Accessories (10 51 13 00-0153)		

10	10	Specialties
	10 50	Storage Specialties
	10 51	Lockers



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 51 13 00-0240				Locker Coat Rods (10 51 13 00-0239)		
10 51 13 00-0241	EA			12" Wide Coat Rod.....	18.25	5.43
10 51 13 00-0242	EA			15" Wide Coat Rod.....	19.85	5.43
10 51 13 00-0243	EA			18" Wide Coat Rod.....	21.27	5.43
10 51 13 00-0244	EA			24" Wide Coat Rod.....	22.53	5.43
10 51 13 00-0245				Locker Hat Shelf (10 51 13 00-0239)		
10 51 13 00-0246	EA			12" Wide Hat Shelf.....	21.62	5.43
10 51 13 00-0247	EA			15" Wide Hat Shelf.....	25.08	5.43
10 51 13 00-0248	EA			18" Wide Hat Shelf.....	26.55	5.43
10 51 13 00-0249	EA			24" Wide Hat Shelf.....	32.32	5.43
10 51 13 00-0250				Locker ADA Compliant Shelf (10 51 13 00-0239)		
10 51 13 00-0251	EA			ADA Compliant Shelf For Single Tier Lockers	41.59	6.78
				Note: Includes an ADA label for locker face.		
10 51 13 00-0252				Other Interior Locker Accessories (10 51 13 00-0239)		
10 51 13 00-0253	EA			3" x 10" Bent Plate Shoe Rack	53.98	5.43
10 51 13 00-0254	EA			8" x 10" Mirror	43.20	5.43
10 51 13 00-0255	EA			Additional Hook.....	13.55	5.43
10 51 13 00-0256				Locker Locks (10 51 13 00-0153)		
10 51 13 00-0257	EA			Built In Combination Lock	47.23	5.43
10 51 26				Plastic Lockers (10 51)		
10 51 26 00-0001				Solid Plastic Lockers (10 51 26)		
				Note: Price per frame. High-density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
10 51 26 00-0002				Single Tier Solid Plastic Lockers (10 51 26 00-0001)		
				Note: Includes one double hook per tier.		
10 51 26 00-0003	EA			12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	661.66	42.03
				For >50 To 100, Deduct	-57.76	
				For >100, Deduct	-89.16	
10 51 26 00-0004	EA			12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	673.25	42.03
				For >50 To 100, Deduct	-58.92	
				For >100, Deduct	-90.90	
10 51 26 00-0005	EA			12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	684.84	42.03
				For >50 To 100, Deduct	-60.08	
				For >100, Deduct	-92.64	
10 51 26 00-0006	EA			15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	702.22	42.03
				For >50 To 100, Deduct	-61.82	
				For >100, Deduct	-95.24	
10 51 26 00-0007	EA			15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	683.84	42.03
				For >50 To 100, Deduct	-59.98	
				For >100, Deduct	-92.49	
10 51 26 00-0008	EA			18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	688.72	42.03
				For >50 To 100, Deduct	-60.47	
				For >100, Deduct	-93.22	
10 51 26 00-0009	EA			18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	680.14	42.03
				For >50 To 100, Deduct	-59.61	
				For >100, Deduct	-91.93	
10 51 26 00-0010	EA			18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	727.99	42.03
				For >50 To 100, Deduct	-64.39	
				For >100, Deduct	-99.11	
10 51 26 00-0011	EA			12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	716.95	42.03
				For >50 To 100, Deduct	-63.29	
				For >100, Deduct	-97.45	
10 51 26 00-0012	EA			12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	729.83	42.03
				For >50 To 100, Deduct	-64.58	
				For >100, Deduct	-99.39	
10 51 26 00-0013	EA			12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	742.70	42.03
				For >50 To 100, Deduct	-65.86	
				For >100, Deduct	-101.32	
10 51 26 00-0014	EA			15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	772.14	42.03
				For >50 To 100, Deduct	-68.81	
				For >100, Deduct	-105.73	
10 51 26 00-0015	EA			15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	812.62	42.03
				For >50 To 100, Deduct	-72.86	
				For >100, Deduct	-111.80	
10 51 26 00-0016	EA			18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	775.81	42.03
				For >50 To 100, Deduct	-69.17	
				For >100, Deduct	-106.28	
10 51 26 00-0017	EA			18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	842.04	42.03
				For >50 To 100, Deduct	-75.80	
				For >100, Deduct	-116.22	
10 51 26 00-0018	EA			12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	722.08	42.03
				For >50 To 100, Deduct	-63.80	
				For >100, Deduct	-98.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0019	EA	12" x 15" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	759.82	42.03
			For >50 To 100, Deduct	-67.58	
			For >100, Deduct	-103.88	
10 51 26 00-0020	EA	12" x 18" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	797.59	42.03
			For >50 To 100, Deduct	-71.35	
			For >100, Deduct	-109.55	
10 51 26 00-0021	EA	15" x 12" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	769.93	42.03
			For >50 To 100, Deduct	-68.59	
			For >100, Deduct	-105.40	
10 51 26 00-0022	EA	15" x 15" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	809.93	42.03
			For >50 To 100, Deduct	-72.59	
			For >100, Deduct	-111.40	
10 51 26 00-0023	EA	15" x 18" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	849.96	42.03
			For >50 To 100, Deduct	-76.59	
			For >100, Deduct	-117.41	
10 51 26 00-0024	EA	18" x 12" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	817.78	42.03
			For >50 To 100, Deduct	-73.37	
			For >100, Deduct	-112.58	
10 51 26 00-0025	EA	18" x 15" x 60"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	860.07	42.03
			For >50 To 100, Deduct	-77.60	
			For >100, Deduct	-118.92	
10 51 26 00-0026	EA	12" x 12" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	825.04	43.39
			For >50 To 100, Deduct	-73.83	
			For >100, Deduct	-113.34	
10 51 26 00-0027	EA	12" x 15" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	867.35	43.39
			For >50 To 100, Deduct	-78.06	
			For >100, Deduct	-119.69	
10 51 26 00-0028	EA	12" x 18" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	909.62	43.39
			For >50 To 100, Deduct	-82.28	
			For >100, Deduct	-126.03	
10 51 26 00-0029	EA	15" x 12" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	879.95	43.39
			For >50 To 100, Deduct	-79.32	
			For >100, Deduct	-121.58	
10 51 26 00-0030	EA	15" x 15" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	924.58	43.39
			For >50 To 100, Deduct	-83.78	
			For >100, Deduct	-128.27	
10 51 26 00-0031	EA	15" x 18" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	969.16	43.39
			For >50 To 100, Deduct	-88.24	
			For >100, Deduct	-134.96	
10 51 26 00-0032	EA	18" x 12" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	923.72	43.39
			For >50 To 100, Deduct	-83.69	
			For >100, Deduct	-128.14	
10 51 26 00-0033	EA	18" x 15" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	981.76	43.39
			For >50 To 100, Deduct	-89.50	
			For >100, Deduct	-136.85	
10 51 26 00-0034	EA	18" x 18" x 72"	Single Tier Solid Plastic Locker (Tufftec Lockers®).....	1,028.62	43.39
			For >50 To 100, Deduct	-94.18	
			For >100, Deduct	-143.88	
10 51 26 00-0035 Double Tier Solid Plastic Lockers (10 51 26 00-0001)					
Note: Includes one double hook per tier.					
10 51 26 00-0036	EA	12" x 12" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®).....	741.74	43.39
			For >50 To 100, Deduct	-65.50	
			For >100, Deduct	-100.85	
10 51 26 00-0037	EA	12" x 15" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®).....	752.78	43.39
			For >50 To 100, Deduct	-66.60	
			For >100, Deduct	-102.50	
10 51 26 00-0038	EA	12" x 18" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®).....	769.32	43.39
			For >50 To 100, Deduct	-68.25	
			For >100, Deduct	-104.98	
10 51 26 00-0039	EA	15" x 12" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®).....	763.81	43.39
			For >50 To 100, Deduct	-67.70	
			For >100, Deduct	-104.16	
10 51 26 00-0040	EA	15" x 15" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®).....	793.26	43.39
			For >50 To 100, Deduct	-70.65	
			For >100, Deduct	-108.58	
10 51 26 00-0041	EA	15" x 18" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®).....	863.15	43.39
			For >50 To 100, Deduct	-77.64	
			For >100, Deduct	-119.06	
10 51 26 00-0042	EA	18" x 12" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®).....	771.18	43.39
			For >50 To 100, Deduct	-68.44	
			For >100, Deduct	-105.26	
10 51 26 00-0043	EA	18" x 15" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®).....	806.78	43.39
			For >50 To 100, Deduct	-72.00	
			For >100, Deduct	-110.60	
10 51 26 00-0044	EA	18" x 18" x 48"	Double Tier Solid Plastic Locker (Tufftec Lockers®).....	870.52	43.39
			For >50 To 100, Deduct	-78.37	
			For >100, Deduct	-120.16	
10 51 26 00-0045	EA	12" x 12" x 60"	Double Tier Solid Plastic Locker (Tufftec Lockers®).....	767.06	43.39
			For >50 To 100, Deduct	-68.03	
			For >100, Deduct	-104.65	
10 51 26 00-0046	EA	12" x 15" x 60"	Double Tier Solid Plastic Locker (Tufftec Lockers®).....	824.69	43.39
			For >50 To 100, Deduct	-73.79	
			For >100, Deduct	-113.29	
10 51 26 00-0047	EA	12" x 18" x 60"	Double Tier Solid Plastic Locker (Tufftec Lockers®).....	841.15	43.39
			For >50 To 100, Deduct	-75.44	
			For >100, Deduct	-115.76	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	834.32	43.39
		For >50 To 100, Deduct	-74.75	
		For >100, Deduct	-114.73	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	872.51	43.39
		For >50 To 100, Deduct	-78.57	
		For >100, Deduct	-120.46	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	879.98	43.39
		For >50 To 100, Deduct	-79.32	
		For >100, Deduct	-121.58	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	920.36	43.39
		For >50 To 100, Deduct	-83.36	
		For >100, Deduct	-127.64	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	960.74	43.39
		For >50 To 100, Deduct	-87.40	
		For >100, Deduct	-133.70	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	887.05	44.75
		For >50 To 100, Deduct	-79.76	
		For >100, Deduct	-122.32	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	927.43	44.75
		For >50 To 100, Deduct	-83.79	
		For >100, Deduct	-128.37	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	948.47	44.75
		For >50 To 100, Deduct	-85.90	
		For >100, Deduct	-131.53	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	939.47	44.75
		For >50 To 100, Deduct	-85.00	
		For >100, Deduct	-130.18	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	982.06	44.75
		For >50 To 100, Deduct	-89.26	
		For >100, Deduct	-136.57	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,024.63	44.75
		For >50 To 100, Deduct	-93.51	
		For >100, Deduct	-142.95	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	947.09	44.75
		For >50 To 100, Deduct	-85.76	
		For >100, Deduct	-131.32	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,036.65	44.75
		For >50 To 100, Deduct	-94.72	
		For >100, Deduct	-144.76	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,081.38	44.75
		For >50 To 100, Deduct	-99.19	
		For >100, Deduct	-151.47	

10 51 26 00-0062 Triple Tier Solid Plastic Lockers (10 51 26 00-0001)

Note: Includes one double hook per tier.

10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	730.65	44.75
		For >50 To 100, Deduct	-64.12	
		For >100, Deduct	-98.86	
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	760.95	44.75
		For >50 To 100, Deduct	-67.15	
		For >100, Deduct	-103.40	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	788.74	44.75
		For >50 To 100, Deduct	-69.92	
		For >100, Deduct	-107.57	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	794.12	44.75
		For >50 To 100, Deduct	-70.46	
		For >100, Deduct	-108.38	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	858.86	44.75
		For >50 To 100, Deduct	-76.94	
		For >100, Deduct	-118.09	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	859.16	44.75
		For >50 To 100, Deduct	-76.97	
		For >100, Deduct	-118.13	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	894.49	44.75
		For >50 To 100, Deduct	-80.50	
		For >100, Deduct	-123.43	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	929.97	44.75
		For >50 To 100, Deduct	-84.05	
		For >100, Deduct	-128.76	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	965.42	44.75
		For >50 To 100, Deduct	-87.59	
		For >100, Deduct	-134.07	
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	936.90	44.75
		For >50 To 100, Deduct	-84.74	
		For >100, Deduct	-129.80	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	974.39	44.75
		For >50 To 100, Deduct	-88.49	
		For >100, Deduct	-135.42	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,011.88	44.75
		For >50 To 100, Deduct	-92.24	
		For >100, Deduct	-141.04	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	943.64	46.11
		For >50 To 100, Deduct	-85.14	
		For >100, Deduct	-130.48	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	981.15	46.11
		For >50 To 100, Deduct	-88.89	
		For >100, Deduct	-136.11	

		Specialties	10
		Storage Specialties	10 50
		Lockers	10 51

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,007.48	46.11
		For >50 To 100, Deduct	-91.53	
		For >100, Deduct	-140.06	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	992.31	46.11
		For >50 To 100, Deduct	-90.01	
		For >100, Deduct	-137.78	
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,004.21	46.11
		For >50 To 100, Deduct	-91.20	
		For >100, Deduct	-139.57	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,047.05	46.11
		For >50 To 100, Deduct	-95.48	
		For >100, Deduct	-145.99	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	975.29	46.11
		For >50 To 100, Deduct	-88.31	
		For >100, Deduct	-135.23	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,062.41	46.11
		For >50 To 100, Deduct	-97.02	
		For >100, Deduct	-148.30	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,124.09	46.11
		For >50 To 100, Deduct	-103.19	
		For >100, Deduct	-157.55	
10 51 26 00-0084 Four Tier Solid Plastic Lockers (10 51 26 00-0001)				
10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	848.34	46.11
		For >50 To 100, Deduct	-75.61	
		For >100, Deduct	-116.19	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	872.93	46.11
		For >50 To 100, Deduct	-78.07	
		For >100, Deduct	-119.87	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	918.27	46.11
		For >50 To 100, Deduct	-82.61	
		For >100, Deduct	-126.68	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	912.74	46.11
		For >50 To 100, Deduct	-82.05	
		For >100, Deduct	-125.85	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	971.47	46.11
		For >50 To 100, Deduct	-87.93	
		For >100, Deduct	-134.66	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	990.00	46.11
		For >50 To 100, Deduct	-89.78	
		For >100, Deduct	-137.43	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	980.80	46.11
		For >50 To 100, Deduct	-88.86	
		For >100, Deduct	-136.05	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	1,012.08	46.11
		For >50 To 100, Deduct	-91.99	
		For >100, Deduct	-140.75	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	1,102.24	46.11
		For >50 To 100, Deduct	-101.00	
		For >100, Deduct	-154.27	
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	976.07	47.46
		For >50 To 100, Deduct	-88.12	
		For >100, Deduct	-135.02	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	1,019.67	47.46
		For >50 To 100, Deduct	-92.48	
		For >100, Deduct	-141.56	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	1,025.35	47.46
		For >50 To 100, Deduct	-93.04	
		For >100, Deduct	-142.41	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	1,080.29	47.46
		For >50 To 100, Deduct	-98.54	
		For >100, Deduct	-150.65	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	1,029.45	47.46
		For >50 To 100, Deduct	-93.45	
		For >100, Deduct	-143.03	
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	1,075.51	47.46
		For >50 To 100, Deduct	-98.06	
		For >100, Deduct	-149.94	
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	1,027.69	47.46
		For >50 To 100, Deduct	-93.28	
		For >100, Deduct	-142.76	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	1,082.88	47.46
		For >50 To 100, Deduct	-98.80	
		For >100, Deduct	-151.04	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	1,165.57	47.46
		For >50 To 100, Deduct	-107.07	
		For >100, Deduct	-163.45	
10 51 26 00-0103 Five Tier Solid Plastic Lockers (10 51 26 00-0001)				
10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	922.27	46.78
		For >50 To 100, Deduct	-82.87	
		For >100, Deduct	-127.11	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	952.72	46.78
		For >50 To 100, Deduct	-85.92	
		For >100, Deduct	-131.68	

10 Specialties**10 50 Storage Specialties****10 51 Lockers**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
10 51 26 00-0106	EA 12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	983.17		46.78
	For >50 To 100, Deduct	-88.96		
	For >100, Deduct	-136.25		
10 51 26 00-0107	EA 15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	963.78		46.78
	For >50 To 100, Deduct	-87.02		
	For >100, Deduct	-133.34		
10 51 26 00-0108	EA 15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,018.32		46.78
	For >50 To 100, Deduct	-92.48		
	For >100, Deduct	-141.52		
10 51 26 00-0109	EA 15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,044.72		46.78
	For >50 To 100, Deduct	-95.12		
	For >100, Deduct	-145.48		
10 51 26 00-0110	EA 18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,035.51		46.78
	For >50 To 100, Deduct	-94.19		
	For >100, Deduct	-144.10		
10 51 26 00-0111	EA 18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,064.96		46.78
	For >50 To 100, Deduct	-97.14		
	For >100, Deduct	-148.52		
10 51 26 00-0112	EA 18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,160.63		46.78
	For >50 To 100, Deduct	-106.71		
	For >100, Deduct	-162.87		
10 51 26 00-0113	EA 12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,005.83		48.14
	For >50 To 100, Deduct	-90.96		
	For >100, Deduct	-139.32		
10 51 26 00-0114	EA 12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,039.97		48.14
	For >50 To 100, Deduct	-94.37		
	For >100, Deduct	-144.44		
10 51 26 00-0115	EA 12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,074.09		48.14
	For >50 To 100, Deduct	-97.78		
	For >100, Deduct	-149.56		
10 51 26 00-0116	EA 15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,062.15		48.14
	For >50 To 100, Deduct	-96.59		
	For >100, Deduct	-147.77		
10 51 26 00-0117	EA 15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,086.16		48.14
	For >50 To 100, Deduct	-98.99		
	For >100, Deduct	-151.37		
10 51 26 00-0118	EA 15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,122.12		48.14
	For >50 To 100, Deduct	-102.59		
	For >100, Deduct	-156.77		
10 51 26 00-0119	EA 18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,094.48		48.14
	For >50 To 100, Deduct	-99.82		
	For >100, Deduct	-152.62		
10 51 26 00-0120	EA 18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,135.72		48.14
	For >50 To 100, Deduct	-103.95		
	For >100, Deduct	-158.81		
10 51 26 00-0121	EA 18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,183.57		48.14
	For >50 To 100, Deduct	-108.73		
	For >100, Deduct	-165.98		
10 51 26 00-0122	Six Tier Solid Plastic Lockers (10 51 26 00-0001)			
10 51 26 00-0123	EA 15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,062.76		47.46
	For >50 To 100, Deduct	-96.78		
	For >100, Deduct	-148.02		
10 51 26 00-0124	EA 12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,043.22		48.82
	For >50 To 100, Deduct	-94.56		
	For >100, Deduct	-144.77		
10 51 26 00-0125	EA 12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,077.31		48.82
	For >50 To 100, Deduct	-97.97		
	For >100, Deduct	-149.88		
10 51 26 00-0126	EA 12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,100.07		48.82
	For >50 To 100, Deduct	-100.24		
	For >100, Deduct	-153.29		
10 51 26 00-0127	EA 15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,145.53		48.82
	For >50 To 100, Deduct	-104.79		
	For >100, Deduct	-160.11		
10 51 26 00-0128	EA 15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,158.80		48.82
	For >50 To 100, Deduct	-106.12		
	For >100, Deduct	-162.10		
10 51 26 00-0129	EA 15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,168.28		48.82
	For >50 To 100, Deduct	-107.07		
	For >100, Deduct	-163.53		
10 51 26 00-0130	EA 18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,172.05		48.82
	For >50 To 100, Deduct	-107.44		
	For >100, Deduct	-164.09		
10 51 26 00-0131	EA 18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,213.74		48.82
	For >50 To 100, Deduct	-111.61		
	For >100, Deduct	-170.35		
10 51 26 00-0132	EA 18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,268.70		48.82
	For >50 To 100, Deduct	-117.11		
	For >100, Deduct	-178.59		
10 51 26 00-0133	Solid Plastic Locker Accessories (10 51 26 00-0001)			
10 51 26 00-0134	Slope Tops For Solid Plastic Lockers (10 51 26 00-0133)			
	Note: Price per frame.			
10 51 26 00-0135	EA Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	50.22		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 51 26 00-0136	Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133)	
	Note: Price per frame.	
10 51 26 00-0137 EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	55.13
10 51 26 00-0138	End Panels For Solid Plastic Lockers (10 51 26 00-0133)	
	Note: Price per frame.	
10 51 26 00-0139 EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	126.48
10 51 26 00-0140	Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133)	
	Note: Price per frame.	
10 51 26 00-0141 EA	Horizontal Venting Option For Solid Plastic Locker Doors.....	49.21
10 51 26 00-0142	Filler Panels For Solid Plastic Lockers (10 51 26 00-0133)	
10 51 26 00-0143 EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®).....	132.31
	Note: Full locker height. Width and height cut to size in the field.	
10 51 26 00-0144	Locker Accessories For Solid Plastic Lockers (10 51 26 00-0133)	
10 51 26 00-0145 EA	Built In Hasp For Solid Plastic Lockers.....	12.30
	Note: For removable padlocks. Excludes padlock.	
10 51 26 00-0146 EA	Built In Combination Lock For Solid Plastic Lockers.....	36.91
10 51 26 00-0147 EA	Built In Key Lock For Solid Plastic Lockers.....	49.21

10 51 53	Locker Room Benches (10 51)	
10 51 53 00-0001 LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals.....	118.62
10 51 53 00-0002 LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals.....	94.81
10 51 53 00-0003 LF	9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals.....	144.49
10 51 53 00-0004 LF	9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals	138.11
10 51 53 00-0005 LF	9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals	107.44

10 56 Storage Assemblies (10 50)

10 56 13 Metal Storage Shelving (10 56)

10 56 13 16 Post-And-Shelf Metal Storage Shelving (10 56 13)

10 56 13 16-0001	Baked Enamel Steel Shelving (10 56 13 16)	
10 56 13 16-0002	7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type (10 56 13 16-0001)	
10 56 13 16-0003 LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf.....	155.13
	For >75" To 87" High, Add	13.49
10 56 13 16-0004 LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf.....	155.46
	For >75" To 87" High, Add	13.40
10 56 13 16-0005 LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf.....	149.45
	For >75" To 87" High, Add	12.62
10 56 13 16-0006 LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf.....	189.88
	For >75" To 87" High, Add	16.51
10 56 13 16-0007 LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf.....	212.85
	For >75" To 87" High, Add	18.63
10 56 13 16-0008 LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf.....	205.19
	For >75" To 87" High, Add	17.71
10 56 13 16-0009 LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf.....	227.96
	For >75" To 87" High, Add	19.81

10 56 13 16-0010 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed (10 56 13 16-0001)

	Note: Adjustable shelves.	
10 56 13 16-0011 LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf.....	111.62
10 56 13 16-0012 LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf.....	110.43
10 56 13 16-0013 LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf.....	124.04
10 56 13 16-0014 LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf.....	129.00
10 56 13 16-0015 LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf.....	148.62

10 56 13 16-0016 4 Shelf Unit, 40" High Unit (10 56 13 16-0001)

10 56 13 16-0017 LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf.....	130.12
10 56 13 16-0018 LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf.....	105.83
10 56 13 16-0019 LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf.....	121.39
10 56 13 16-0020 LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf.....	127.92
10 56 13 16-0021 LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf.....	146.16

10 56 16 Fabricated Wood Storage Shelving (10 56)

10 56 16 00-0001 Shelving (10 56 16)

10 56 16 00-0002 Built-In Wood Shelving (10 56 16 00-0001)

	Note: Priced by shelf area. Includes hardware and trim.	
10 56 16 00-0003 SF	Built-in Wood Storage Shelving Post And Trimmed Plywood.....	25.84
	For Each SF Of Lumber Edge Band, Add	0.69
	For Each SF Of Prefinished Shelves, Add	2.32

10	10	Specialties
	10 50	Storage Specialties
	10 56	Storage Assemblies



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 56 16 00-0004	SF			Built-in Wood Storage Shelving Post And Solid Clear Pine.....	27.84	4.10
					For Each SF Of Lumber Edge Band, Add	0.69	
					For Each SF Of Prefinished Shelves, Add	2.32	
	10 56 16 00-0005	SF			Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod.....	28.18	6.83
					For Each SF Of Lumber Edge Band, Add	0.69	
					For Each SF Of Prefinished Shelves, Add	2.32	
	10 56 16 00-0006				Wood Shelving, White Pine, Clear Grade, Wall Mounted (10 56 16 00-0001)		
	10 56 16 00-0007	LF			1" x 8" White Pine Clear Grade Wood Shelving.....	21.61	8.19
	10 56 16 00-0008	LF			1" x 10" White Pine Clear Grade Wood Shelving.....	23.71	8.74
	10 56 16 00-0009	LF			1" x 12" White Pine Clear Grade Wood Shelving.....	26.06	9.43
	10 56 16 00-0010	SF			Wood Shelving, 2" White Pine Clear Grade.....	33.72	
	10 56 16 00-0011				Plywood Shelf With Edge Band (10 56 16 00-0001)		
	10 56 16 00-0012	LF			12" Wide, 3/4" Plywood Shelf With Edge Band.....	26.09	8.19
	10 56 16 00-0013	LF			24" Wide, 3/4" Plywood Shelf With Edge Band.....	40.23	10.25
	10 56 16 00-0014				Adjustable Shelf And Rod (10 56 16 00-0001)		
	10 56 16 00-0015	EA			12" Wide Adjustable Shelf, 3' To 6' Long.....	223.97	30.74
					Note: Including Rod		
	10 56 16 00-0016	EA			12" Wide Adjustable Shelf, 5' To 8' Long.....	265.05	40.98
					Note: Including Rod		
	10 56 16 00-0017				Prefinished Wood Shelves With Brackets And Supports (10 56 16 00-0001)		
	10 56 16 00-0018	LF			Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	22.80	8.19
	10 56 16 00-0019	LF			Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	24.79	8.74
	10 56 16 00-0020	SF			Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	79.17	13.66
	10 56 16 00-0021				Wood Shelving, Oak, Clear Grade, Wall Mounted (10 56 16 00-0001)		
	10 56 16 00-0022	LF			Wood Shelving, 1" X 8" Oak Clear Grade.....	25.58	12.84
	10 56 17				Wall-Mounted Standards and Shelving (10 56)		
	10 56 17 00-0001				Galvanized Steel, Wall Mounted Solid Shelving (10 56 17)		
					Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
	10 56 17 00-0002	LF			8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	95.33	13.56
					For Installation On Concrete Walls, Add	3.09	
					For Installation On Concrete Block Walls, Add	4.06	
	10 56 17 00-0003	LF			10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	98.62	13.56
					For Installation On Concrete Walls, Add	3.09	
					For Installation On Concrete Block Walls, Add	4.06	
	10 56 17 00-0004	LF			12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	106.25	13.56
					For Installation On Concrete Walls, Add	3.09	
					For Installation On Concrete Block Walls, Add	4.06	
	10 56 17 00-0005	LF			16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	116.11	13.56
					For Installation On Concrete Walls, Add	3.09	
					For Installation On Concrete Block Walls, Add	4.06	
	10 56 17 00-0006	LF			18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	118.56	13.56
					For Installation On Concrete Walls, Add	3.09	
					For Installation On Concrete Block Walls, Add	4.06	
	10 56 17 00-0007	LF			24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	139.68	13.56
					For Installation On Concrete Walls, Add	3.09	
					For Installation On Concrete Block Walls, Add	4.06	
	10 56 17 00-0008				304 Stainless Steel, Wall Mounted Solid Shelving (10 56 17)		
					Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
	10 56 17 00-0009	LF			8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	155.23	13.56
					For Installation On Concrete Walls, Add	3.09	
					For Installation On Concrete Block Walls, Add	4.06	
	10 56 17 00-0010	LF			10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	170.18	13.56
					For Installation On Concrete Walls, Add	3.09	
					For Installation On Concrete Block Walls, Add	4.06	
	10 56 17 00-0011	LF			12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	185.21	13.56
					For Installation On Concrete Walls, Add	3.09	
					For Installation On Concrete Block Walls, Add	4.06	
	10 56 17 00-0012	LF			16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	219.75	13.56
					For Installation On Concrete Walls, Add	3.09	
					For Installation On Concrete Block Walls, Add	4.06	
	10 56 17 00-0013	LF			18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	240.19	13.56
					For Installation On Concrete Walls, Add	3.09	
					For Installation On Concrete Block Walls, Add	4.06	
	10 56 17 00-0014	LF			24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving.....	269.72	13.56
					For Installation On Concrete Walls, Add	3.09	
					For Installation On Concrete Block Walls, Add	4.06	
	10 56 17 00-0015				Laminated Particleboard, Wall Mounted Solid Shelving (10 56 17)		
					Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		

			Specialties	10
			Storage Specialties	10 50
			Storage Assemblies	10 56

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0016	LF	8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	64.23 3.09 4.06	13.56
10 56 17 00-0017	LF	10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	66.45 3.09 4.06	13.56
10 56 17 00-0018	LF	12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	69.15 3.09 4.06	13.56
10 56 17 00-0019	LF	16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	73.06 3.09 4.06	13.56
10 56 17 00-0020	LF	18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	77.79 3.09 4.06	13.56
10 56 17 00-0021	LF	24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	90.52 3.09 4.06	13.56
10 56 17 00-0022		Chrome Plated Steel, Wall Mounted Wire Shelving ^(10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0023	LF	14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	93.24 3.09 4.06	13.56
10 56 17 00-0024	LF	18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	104.75 3.09 4.06	13.56
10 56 17 00-0025		Stainless Steel, Wall Mounted Wire Shelving ^(10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0026	LF	14" Depth, Stainless Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	218.34 3.09 4.06	13.56
10 56 17 00-0027	LF	18" Depth, Stainless Steel, Wall Mounted Wire Shelving <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	227.16 3.09 4.06	13.56
10 56 17 00-0028		Prefinished Hardwood Plywood, Wall Mounted Solid Shelving ^(10 56 17) Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0029	LF	8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	67.23 4.59 5.56	13.56
10 56 17 00-0030	LF	10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	68.77 4.63 5.60	13.56
10 56 17 00-0031	LF	12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	69.78 4.66 5.63	13.56
10 56 17 00-0032	LF	16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	73.37 4.74 5.71	13.56
10 56 17 00-0033	LF	18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	75.20 4.77 5.74	13.56
10 56 17 00-0034	LF	24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving..... <i>For Installation On Concrete Walls, Add</i> <i>For Installation On Concrete Block Walls, Add</i>	80.71 4.88 5.85	13.56
10 56 17 00-0035		Wall Mounted Shelving Accessories ^(10 56 17)		
10 56 17 00-0036	LF	Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	37.51	
10 56 29		Storage Racks ^(10 56)		
10 56 29 13		Flow Storage Racks ^(10 56 29)		
10 56 29 13-0001		Steel Record Storage Rack ^(10 56 29 13) Note: Includes 5/8" particleboard decking.		
10 56 29 13-0002	SF	16" Depth Record Storage Racks..... Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particleboard decking. Per SF of shelving.	16.25	1.60
10 56 29 13-0003	SF	24" Depth Record Storage Racks..... Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particleboard decking. Per SF of shelving.	12.25	1.20
10 56 29 13-0004	SF	34" Depth Record Storage Racks..... Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particleboard decking. Per SF of shelving.	10.48	0.98
10 56 29 16		Pallet Storage Racks ^(10 56 29)		
10 56 29 16-0001		Dry Storage Pallet Racks ^(10 56 29 16) Note: Excludes decking.		
10 56 29 16-0002		18,000 Lb. Frame Pallet Racks ^(10 56 29 16-0001)		
10 56 29 16-0003	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	15.57	2.06

10 Specialties**10 50 Storage Specialties****10 56 Storage Assemblies**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
10 56 29 16-0004	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 18,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	17.09		2.41
10 56 29 16-0005	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 18,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	18.76		2.75
10 56 29 16-0006	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 18,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	13.64		1.89
10 56 29 16-0007	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 18,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.95		2.18
10 56 29 16-0008	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 18,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.47		2.52
10 56 29 16-0009	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 18,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	12.10		1.72
10 56 29 16-0010	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 18,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	13.29		2.00
10 56 29 16-0011	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 18,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.64		2.29
10 56 29 16-0012 24,000 Lb. Frame Pallet Racks (10 56 29 16-0001)					
10 56 29 16-0013	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 24,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.43		2.37
10 56 29 16-0014	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 24,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	18.22		2.51
10 56 29 16-0015	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 24,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	20.02		3.16
10 56 29 16-0016	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 24,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.46		2.18
10 56 29 16-0017	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 24,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.00		2.51
10 56 29 16-0018	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 24,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	17.68		2.90
10 56 29 16-0019	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 24,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 24000# frames with adjustable height shelving levels. Per SF of shelving area.	12.86		1.98
10 56 29 16-0020	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 24,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 24000# frames with adjustable height shelving levels. Per SF of shelving area.	14.33		2.31
10 56 29 16-0021	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 24,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 24000# frames with adjustable height shelving levels. Per SF of shelving area.	15.79		2.64
10 56 29 16-0022 32,000 Lb. Frame Pallet Racks (10 56 29 16-0001)					
10 56 29 16-0023	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 32,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	17.36		2.73
10 56 29 16-0024	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 32,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	19.39		3.18
10 56 29 16-0025	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 32,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	21.43		3.64
10 56 29 16-0026	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 32,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	15.25		2.50
10 56 29 16-0027	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 32,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	16.97		2.87
10 56 29 16-0028	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 32,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	18.85		3.33
10 56 29 16-0029	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 32,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	13.53		2.27
10 56 29 16-0030	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 32,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	15.15		2.65
10 56 29 16-0031	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 32,000 Lb..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	16.75		3.03
10 56 29 16-0032 45,000 Lb. Frame Pallet Racks (10 56 29 16-0001)					

			Specialties	10	10
			Storage Specialties	10 50	
			Storage Assemblies	10 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 29 16-0033	SF		Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	18.60	3.14
10 56 29 16-0034	SF		Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	20.97	3.66
10 56 29 16-0035	SF		Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	23.35	4.18
10 56 29 16-0036	SF		Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	16.35	2.87
10 56 29 16-0037	SF		Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	18.36	3.31
10 56 29 16-0038	SF		Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	20.55	3.84
10 56 29 16-0039	SF		Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	14.53	2.61
10 56 29 16-0040	SF		Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	16.39	3.05
10 56 29 16-0041	SF		Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	18.26	3.48
10 56 29 16-0042			Pallet Rack Accessories (10 56 29 16-0001)		
10 56 29 16-0043	EA		36" Cross Bar For 18,000 Lb. And 24,000 Lb. Pallet Racks	23.64	
10 56 29 16-0044	EA		42" Cross Bar For 18,000 Lb. And 24,000 Lb. Pallet Racks	26.08	
10 56 29 16-0045	EA		48" Cross Bar For 18,000 Lb. And 24,000 Lb. Pallet Racks	28.52	
10 56 29 16-0046	EA		3" Deep, 36" To 48" Long Pallet Support For 32,000 Lb. Pallet Racks	86.26	
10 56 29 16-0047	EA		4" Deep, 36" To 48" Long Pallet Support For 45,000 Lb. Pallet Racks	92.65	
10 56 29 16-0048	LF		36" Deep, Pallet Racks Wire Decking	27.61	
10 56 29 16-0049	LF		42" Deep, Pallet Racks Wire Decking	28.56	
10 56 29 16-0050	LF		48" Deep, Pallet Racks Wire Decking	31.51	
10 56 29 63			Box Shelving (10 56 29)		
10 56 29 63-0001			Box Shelving (10 56 29 63)		
10 56 29 63-0002	EA		48" Wide 60" High X 48" Deep, 9,000 Lb. Capacity, Single Tier Box Shelving	528.57	74.22
10 57			Wardrobe And Closet Specialties (10 50)		
10 57 13			Hat And Coat Racks (10 57)		
10 57 13 00-0001			Hat And Coat Rack (10 57 13)		
10 57 13 00-0002			Single Tier (10 57 13 00-0001)		
10 57 13 00-0003	LF		Single Tier Hat And Coat Rack Baked Enameled Steel	75.85	6.78
			For Custom Made Units, Add	34.73	
10 57 13 00-0004	LF		Single Tier Hat And Coat Rack Stainless Steel	55.38	6.78
			For Custom Made Units, Add	22.44	
10 57 13 00-0005	LF		Single Tier Hat And Coat Rack Aluminum	148.39	6.78
			For Custom Made Units, Add	78.25	
10 57 13 00-0006			Double Tier (10 57 13 00-0001)		
10 57 13 00-0007	LF		Double Tier Hat And Coat Rack Baked Enameled Steel	101.47	6.78
			For Custom Made Units, Add	47.55	
10 57 13 00-0008	LF		Double Tier Hat And Coat Rack Stainless Steel	62.66	6.78
			For Custom Made Units, Add	24.26	
10 57 13 00-0009	LF		Double Tier Hat And Coat Rack Aluminum	252.54	6.78
			For Custom Made Units, Add	138.19	
10 57 43			Wardrobe Units (10 57)		
10 57 43 00-0001			Dormitory Wardrobe Units (10 57 43)		
10 57 43 00-0002	EA		24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door	2,251.01	251.13
			For Custom Made Units, Add	1,174.83	
10 57 43 00-0003	EA		24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door	1,737.33	251.13
			For Custom Made Units, Add	866.62	
10 57 43 00-0004			Hospital Wardrobe Units 24" x 24" x 76" With Door (10 57 43)		
10 57 43 00-0005	EA		Baked Enamel Steel Hospital Wardrobe 24" x 24" x 76" Unit With Door	1,278.11	251.13
			For Custom Made Units, Add	591.09	
10 57 43 00-0006	EA		Hardwood Hospital Wardrobe 24" x 24" x 76" Unit With Door	1,271.39	251.13
			For Custom Made Units, Add	587.05	
10 57 43 00-0007	EA		Stainless Steel Hospital Wardrobe 24" x 24" x 76" Unit With Door	1,789.79	251.13
			For Custom Made Units, Add	898.09	
10 57 43 00-0008	EA		Plastic Laminate Hospital Wardrobe 24" x 24" x 76" Unit With Door	3,565.72	251.13
			For Custom Made Units, Add	1,963.65	

10	10	Specialties
	10 50	Storage Specialties
	10 57	Wardrobe And Closet Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 70 Exterior Specialties ⁽¹⁰⁾

10 71 Exterior Protection ^(10 70)

10 71 13 Exterior Sun Control Devices ^(10 71)

10 71 13 13 Exterior Shutters ^(10 71 13)

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished ^(10 71 13 13)

10 71 13 13-0002 Louvered Decorative Shutters ^(10 71 13 13-0001)

10 71 13 13-0003	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic.....	123.93	40.94
		<i>For Colored Finish, Add</i>	12.48	
10 71 13 13-0004	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic.....	134.15	42.99
		<i>For Colored Finish, Add</i>	13.83	
10 71 13 13-0005	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic.....	144.39	45.04
		<i>For Colored Finish, Add</i>	15.18	
10 71 13 13-0006	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic.....	153.75	47.08
		<i>For Colored Finish, Add</i>	16.38	
10 71 13 13-0007	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic.....	164.32	49.13
		<i>For Colored Finish, Add</i>	17.79	
10 71 13 13-0008	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic.....	175.31	51.18
		<i>For Colored Finish, Add</i>	19.27	
10 71 13 13-0009	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic.....	182.91	53.23
		<i>For Colored Finish, Add</i>	20.15	
10 71 13 13-0010	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic.....	191.31	55.27
		<i>For Colored Finish, Add</i>	21.17	
10 71 13 13-0011	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic.....	202.46	57.32
		<i>For Colored Finish, Add</i>	22.69	
10 71 13 13-0012	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic.....	217.26	59.37
		<i>For Colored Finish, Add</i>	24.86	
10 71 13 13-0013	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic.....	224.47	61.41
		<i>For Colored Finish, Add</i>	25.67	
10 71 13 13-0014	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic.....	242.96	63.46
		<i>For Colored Finish, Add</i>	28.50	
10 71 13 13-0015	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic.....	250.10	65.51
		<i>For Colored Finish, Add</i>	29.30	
10 71 13 13-0016	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic.....	263.08	67.55
		<i>For Colored Finish, Add</i>	31.14	

10 71 13 13-0017 Raised Panel Decorative Shutters ^(10 71 13 13-0001)

10 71 13 13-0018	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic	172.32	45.04
		<i>For Colored Finish, Add</i>	20.21	
10 71 13 13-0019	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic	184.50	47.08
		<i>For Colored Finish, Add</i>	21.91	
10 71 13 13-0020	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic	192.62	49.13
		<i>For Colored Finish, Add</i>	22.88	
10 71 13 13-0021	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic	205.15	51.18
		<i>For Colored Finish, Add</i>	24.65	
10 71 13 13-0022	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic	215.95	53.23
		<i>For Colored Finish, Add</i>	26.10	
10 71 13 13-0023	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic	226.16	55.27
		<i>For Colored Finish, Add</i>	27.44	
10 71 13 13-0024	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic	239.88	57.32
		<i>For Colored Finish, Add</i>	29.42	
10 71 13 13-0025	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic	257.88	59.37
		<i>For Colored Finish, Add</i>	32.17	
10 71 13 13-0026	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic	270.59	61.41
		<i>For Colored Finish, Add</i>	33.97	
10 71 13 13-0027	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic	284.87	63.46
		<i>For Colored Finish, Add</i>	36.05	
10 71 13 13-0028	PR	15" x 75" Raised Panel Shutter, High Impact Resistant Plastic	289.82	65.51
		<i>For Colored Finish, Add</i>	36.45	
10 71 13 13-0029	PR	15" x 81" Raised Panel Shutter, High Impact Resistant Plastic	300.19	67.55
		<i>For Colored Finish, Add</i>	37.82	

10 71 13 13-0030 Exterior Spanish Cedar Shutters ^(10 71 13 13)

10 71 13 13-0031 12" Width ^(10 71 13 13-0030)

10 71 13 13-0032	PR	12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	522.10	40.94
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0033	PR	12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	564.23	45.04
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0034	PR	12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	603.63	47.08
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0035	PR	12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	645.76	51.18
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0036	PR	12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	685.16	53.23
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0037	PR	12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	730.33	57.32
		<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0038	PR	12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	769.75	59.37
		<i>For Arched Tops, Add</i>	150.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0039	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	809.14 150.00	61.41
10 71 13 13-0040	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	851.26 150.00	65.51
10 71 13 13-0041 14" Width (10 71 13 13-0030)				
10 71 13 13-0042	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	552.66 150.00	40.94
10 71 13 13-0043	PR	14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	600.90 150.00	45.04
10 71 13 13-0044	PR	14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	646.42 150.00	47.08
10 71 13 13-0045	PR	14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	694.65 150.00	51.18
10 71 13 13-0046	PR	14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	740.16 150.00	53.23
10 71 13 13-0047	PR	14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	788.39 150.00	57.32
10 71 13 13-0048	PR	14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	833.92 150.00	59.37
10 71 13 13-0049	PR	14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	876.36 150.00	61.41
10 71 13 13-0050	PR	14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	924.60 150.00	65.51
10 71 13 13-0051 16" Width (10 71 13 13-0030)				
10 71 13 13-0052	PR	16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	586.27 150.00	40.94
10 71 13 13-0053	PR	16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	637.57 150.00	45.04
10 71 13 13-0054	PR	16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	689.20 150.00	47.08
10 71 13 13-0055	PR	16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	740.48 150.00	51.18
10 71 13 13-0056	PR	16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	792.11 150.00	53.23
10 71 13 13-0057	PR	16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	846.45 150.00	57.32
10 71 13 13-0058	PR	16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	895.03 150.00	59.37
10 71 13 13-0059	PR	16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	946.64 150.00	61.41
10 71 13 13-0060	PR	16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,000.99 150.00	65.51
10 71 13 13-0061 18" Width (10 71 13 13-0030)				
10 71 13 13-0062	PR	18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	616.83 150.00	40.94
10 71 13 13-0063	PR	18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	674.25 150.00	45.04
10 71 13 13-0064	PR	18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	731.98 150.00	47.08
10 71 13 13-0065	PR	18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	789.38 150.00	51.18
10 71 13 13-0066	PR	18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	844.05 150.00	53.23
10 71 13 13-0067	PR	18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	904.50 150.00	57.32
10 71 13 13-0068	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	959.19 150.00	59.37
10 71 13 13-0069	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,016.92 150.00	61.41
10 71 13 13-0070	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,074.33 150.00	65.51
10 71 13 13-0071 20" Width (10 71 13 13-0030)				
10 71 13 13-0072	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	647.39 150.00	40.94
10 71 13 13-0073	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	710.90 150.00	45.04
10 71 13 13-0074	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	771.70 150.00	47.08
10 71 13 13-0075	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	838.27 150.00	51.18
10 71 13 13-0076	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	899.05 150.00	53.23
10 71 13 13-0077	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	962.56 150.00	57.32
10 71 13 13-0078	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,023.37 150.00	59.37
10 71 13 13-0079	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,084.15 150.00	61.41

10	10	Specialties
	10 70	Exterior Specialties
	10 71	Exterior Protection



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 71 13 13-0080	PR		20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter <i>For Arched Tops, Add</i>	1,147.67 150.00	65.51
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10 73 Protective Covers (10 70)

10 73 13 Awnings (10 73)

10 73 13 13 Metal Awnings (10 73 13)

10 73 13 13-0001			Metal Awnings (10 73 13 13) Note: Includes metal cover, frame supports and anchoring.		
10 73 13 13-0002	SF		Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings	79.03	9.41
10 73 13 13-0003	SF		Baked Enamel Finish, Ribbed Aluminum Window Awning	69.90	8.43
10 73 13 13-0004	SF		Flat Roofed Steel Awning Note: Per SF of covered area	236.84	9.78
10 73 13 13-0005	SF		Arched Roofed Steel Awning (Per SF Of Covered Area).....	244.41	10.99

10 73 13 23 Fabric Awnings (10 73 13)

10 73 13 23-0001			Canvas Awnings (10 73 13 23) Note: Includes minimum 12 oz. canvas, frame supports and anchoring.		
10 73 13 23-0002	SF		Canvas Awning, Waterproof Fabric Tubular Metal Framing	78.66	8.95
10 73 13 23-0003	SF		Side Protection Canvas For Walkways (Per SF Of Wall Area)	44.74	2.89
10 73 13 23-0004	SF		Removal And Replacement Of Canvas For Awnings Note: Includes removal of existing canvas cover.	30.44	
			<i>For 18 Oz. Vinyl Laminated Polyester Cover, Add</i>	0.98	

10 73 16 Canopies (10 73)

10 73 16 13 Metal Canopies (10 73 16)

10 73 16 13-0001			Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished (10 73 16 13) Note: Includes cover, frame supports and anchoring.		
10 73 16 13-0002	EA		8' x 10' Canopy, Aluminum, Wall Hung	7,313.54	555.93
10 73 16 13-0003	EA		8' x 20' Canopy, Aluminum, Wall Hung	13,551.39	889.70
10 73 16 13-0004	EA		10' x 10' Canopy, Aluminum, Wall Hung	9,004.33	695.58
10 73 16 13-0005	EA		10' x 20' Canopy, Aluminum, Wall Hung	16,471.92	930.14

10 73 26 Walkway Coverings (10 73)

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings (10 73 26)

10 73 26 13-0001			Steel Walkway/Parking Covers (10 73 26 13) Note: Factory applied polyester finish.		
10 73 26 13-0002	SF		Flat Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	117.40	7.86
			<i>For Snow Load (30 PSF), Add</i>	40.67	
			<i>For Wind Load (140 MPH), Add</i>	50.84	
10 73 26 13-0003	SF		Arch Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	124.97	8.47
			<i>For Snow Load (30 PSF), Add</i>	43.22	
			<i>For Wind Load (140 MPH), Add</i>	54.02	

10 73 26 13-0004 Aluminum Walkway/Parking Covers (10 73 26 13)

10 73 26 13-0005	SF		Flat Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	70.14	7.86
			<i>For Snow Load (30 PSF), Add</i>	21.77	
			<i>For Wind Load (140 MPH), Add</i>	27.21	
10 73 26 13-0006	SF		Arch Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	76.29	8.47
			<i>For Snow Load (30 PSF), Add</i>	23.74	
			<i>For Wind Load (140 MPH), Add</i>	29.68	

10 75 Flagpoles (10 70)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles (10 75)

10 75 16 00-0001			Free Standing Tapered Fiberglass Flagpoles (10 75 16) Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.		
10 75 16 00-0002	EA		25' Exposed Height, Tapered White Fiberglass Flagpole Note: 6" butt diameter, 3" top diameter and 0.180" wall.	4,177.67	1,001.83
			<i>For Internal Halyard, Cam System, Add</i>	300.00	
			<i>For Bronze Finish, Add</i>	20.00	
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 16 00-0003	EA		30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	4,467.32	1,092.88
			<i>For Internal Halyard, Cam System, Add</i>	300.00	
			<i>For Bronze Finish, Add</i>	50.00	
			<i>For Rope Lock Box, Add</i>	96.00	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall. For Internal Halyard, Cam System, Add For Bronze Finish, Add For Rope Lock Box, Add	5,613.21 300.00 10.00 96.00	1,275.02
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall. For Internal Halyard, Cam System, Add For Bronze Finish, Add For Rope Lock Box, Add	6,511.22 300.00 50.00 96.00	1,457.46
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall. For Internal Halyard, Winch System, Add For Bronze Finish, Add For Rope Lock Box, Add	11,977.41 1,700.00 200.00 96.00	1,639.56
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall. For Internal Halyard, Winch System, Add For Bronze Finish, Add For Rope Lock Box, Add	14,244.70 1,900.00 160.00 96.00	1,821.46
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall. For Internal Halyard, Winch System, Add For Bronze Finish, Add For Rope Lock Box, Add	24,420.72 2,860.00 700.00 96.00	2,004.22
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall. For Internal Halyard, Winch System, Add For Bronze Finish, Add For Rope Lock Box, Add	31,598.51 2,900.00 900.00 96.00	2,185.76
10 75 16 00-0010		Free Standing Tapered Aluminum Flagpoles (10 75 16) Note: Heavy-duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.		
10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,126.92 570.00 150.00 180.00 230.00 96.00	910.96
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,685.09 1,100.00 200.00 230.00 320.00 96.00	1,001.83
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	4,081.76 1,390.00 240.00 290.00 400.00 96.00	1,092.88
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	5,133.51 1,340.00 290.00 360.00 480.00 96.00	1,275.02
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	6,292.93 1,490.00 390.00 480.00 660.00 96.00	1,457.46
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	6,937.23 1,340.00 400.00 500.00 700.00 96.00	1,548.48
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	8,582.85 1,380.00 700.00 860.00 1,130.00 96.00	1,639.56
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	14,275.10 1,800.00 620.00 820.00 1,160.00 96.00	1,821.46

10	10	Specialties
	10 70	Exterior Specialties
	10 75	Flagpoles



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole.....			Note: 12" butt diameter, 4" top diameter and 0.250" wall.	15,628.31	2,004.22
		For Internal Halyard, Winch System, Add				1,720.00	
		For Clear Anodized Finish, Add				710.00	
		For Bronze Anodized Finish, Add				950.00	
		For Black Anodized Finish, Add				1,360.00	
		For Rope Lock Box, Add				96.00	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole.....			Note: 12" butt diameter, 4" top diameter and 0.375" wall.	19,404.06	2,185.76
		For Internal Halyard, Winch System, Add				2,600.00	
		For Clear Anodized Finish, Add				1,100.00	
		For Bronze Anodized Finish, Add				1,380.00	
		For Black Anodized Finish, Add				1,840.00	
		For Rope Lock Box, Add				96.00	
10 75 16 00-0021		Flagpole Bases (10 75 16)					
10 75 16 00-0022		Flagpole Concrete Base (10 75 16 00-0021)					
		Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.					
10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation				1,873.88	
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation				1,937.57	
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation				2,225.02	
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation				2,354.33	
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation				2,825.48	
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation				3,423.34	
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation				4,051.85	
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation				4,710.65	
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation.....				5,491.49	
10 75 16 00-0032		Direct Embedded Flagpole Base (10 75 16 00-0021)					
		Note: Augured in place, no concrete required.					
10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base.....				794.68	
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base.....				1,140.08	
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base.....				1,274.13	
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base.....				1,432.85	
10 75 16 00-0037		Flagpole Accessories (10 75 16)					
10 75 16 00-0038		Flagpole Tops (10 75 16 00-0037)					
		Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.					
10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole				145.45	57.65
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole				157.61	61.05
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole				174.08	64.44
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole				217.48	67.82
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole				275.94	71.21
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole				305.34	74.60
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....				282.73	74.60
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....				327.83	84.78
10 75 16 00-0047		Flagpole Accessories (10 75 16 00-0037)					
		Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.					
10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....				1.46	0.10
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles				0.73	0.10
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....				0.56	0.10
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....				1.96	0.10
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball.....				469.43	169.50
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles				336.99	101.70
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles.....				27.23	6.78
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....				0.82	0.11
10 75 23		Wall-Mounted Flagpoles (10 75)					
10 75 23 00-0001		Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles (10 75 23)					
		Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.					
10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....				2,211.74	799.01
		For Rope Lock Box, Add				96.00	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....				2,403.85	878.91
		For Rope Lock Box, Add				96.00	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....				2,606.71	958.82
		For Rope Lock Box, Add				96.00	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole.....				3,023.22	1,118.62
		For Rope Lock Box, Add				96.00	
10 75 23 00-0006		Outtrigger, Wall Mounted Tapered Aluminum Flagpoles (10 75 23)					
		Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.					
10 75 23 00-0007	EA	10', Wall Mounted, Aluminum Outtrigger Flagpole With Bracket.....				2,773.30	719.12
		For Rope Lock Box, Add				96.00	
10 75 23 00-0008	EA	15', Wall Mounted, Aluminum Outtrigger Flagpole With Bracket.....				2,997.71	799.01
		For Rope Lock Box, Add				96.00	
10 75 23 00-0009	EA	20', Wall Mounted, Aluminum Outtrigger Flagpole With Bracket.....				3,360.38	958.82
		For Rope Lock Box, Add				96.00	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 80 Other Specialties ⁽¹⁰⁾

10 81 Pest Control Devices ^(10 80)

10 81 13 Bird Control Devices ^(10 81)

10 81 13 00-0001	Stainless Steel Spiked Bird Barrier ^(10 81 13)		
	Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF 2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	11.03	1.09
10 81 13 00-0003	LF 4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	13.33	1.09
10 81 13 00-0004	LF 8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	19.63	1.09

10 81 13 00-0005 Polycarbonate Spiked Bird Barrier ^(10 81 13)

	Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF 3" Wide Polycarbonate Spikes And Base Bird Deterrent System	10.19	1.09
10 81 13 00-0007	LF 5" Wide Polycarbonate Spikes And Base Bird Deterrent System	12.36	1.09
10 81 13 00-0008	LF 8" Wide Polycarbonate Spikes And Base Bird Deterrent System	14.74	1.09

10 81 16 Insect Control Devices ^(10 81)

10 81 16 00-0001 Insect Screening ^(10 81 16)

10 81 16 00-0002	CSF 17/14 Mesh Insect Screening With Flat Screen Splines	143.49	
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10 86 Security Mirrors And Domes ^(10 80)

10 86 00 00-0001 Dome Mirrors ^(10 86)

Note: Includes all mounting hardware. Indoor or outdoor applications.

10 86 00 00-0002 Steel Dome Mirrors ^(10 86 00 00-0001)

10 86 00 00-0003	EA 9" Diameter Full-Dome Steel Dome Mirror	327.98	27.13
10 86 00 00-0004	EA 12" Diameter Full-Dome Steel Dome Mirror	385.44	28.48
10 86 00 00-0005	EA 18" Diameter Full-Dome Steel Dome Mirror	445.60	31.20
10 86 00 00-0006	EA 24" Diameter Full-Dome Steel Dome Mirror	593.84	33.91
10 86 00 00-0007	EA 9" Diameter Half-Dome Steel Dome Mirror	234.91	20.35
10 86 00 00-0008	EA 12" Diameter Half-Dome Steel Dome Mirror	270.96	21.70
10 86 00 00-0009	EA 18" Diameter Half-Dome Steel Dome Mirror	316.44	23.73
10 86 00 00-0010	EA 24" Diameter Half-Dome Steel Dome Mirror	439.51	25.78

10 86 00 00-00011 Plexiglas Dome Mirrors ^(10 86 00 00-0001)

10 86 00 00-0012	EA 18" Diameter Full-Dome Plexiglas Dome Mirror	256.38	31.20
10 86 00 00-0013	EA 26" Diameter Full-Dome Plexiglas Dome Mirror	360.58	33.91
10 86 00 00-0014	EA 32" Diameter Full-Dome Plexiglas Dome Mirror	476.17	39.33
10 86 00 00-0015	EA 36" Diameter Full-Dome Plexiglas Dome Mirror	575.76	47.48
10 86 00 00-0016	EA 48" Diameter Full-Dome Plexiglas Dome Mirror	840.19	67.82
10 86 00 00-0017	EA 18" Diameter Half-Dome Plexiglas Dome Mirror	157.68	23.73
10 86 00 00-0018	EA 26" Diameter Half-Dome Plexiglas Dome Mirror	211.73	25.78
10 86 00 00-0019	EA 32" Diameter Half-Dome Plexiglas Dome Mirror	278.43	29.84
10 86 00 00-0020	EA 36" Diameter Half-Dome Plexiglas Dome Mirror	343.24	35.94
10 86 00 00-0021	EA 48" Diameter Half-Dome Plexiglas Dome Mirror	544.46	50.87
10 86 00 00-0022	EA 18" Diameter Quarter-Dome Plexiglas Dome Mirror	102.58	20.35
10 86 00 00-0023	EA 26" Diameter Quarter-Dome Plexiglas Dome Mirror	131.16	22.39
10 86 00 00-0024	EA 32" Diameter Quarter-Dome Plexiglas Dome Mirror	171.82	25.09
10 86 00 00-0025	EA 36" Diameter Quarter-Dome Plexiglas Dome Mirror	213.93	29.84
10 86 00 00-0026	EA 48" Diameter Quarter-Dome Plexiglas Dome Mirror	353.74	42.39

10 86 00 00-00027 Coated Plexiglas Dome Mirrors ^(10 86 00 00-0001)

10 86 00 00-0028	EA 18" Diameter Full-Dome Coated Plexiglas Dome Mirror	305.17	31.20
10 86 00 00-0029	EA 26" Diameter Full-Dome Coated Plexiglas Dome Mirror	470.07	33.91
10 86 00 00-0030	EA 36" Diameter Full-Dome Coated Plexiglas Dome Mirror	794.74	47.48
10 86 00 00-0031	EA 48" Diameter Full-Dome Coated Plexiglas Dome Mirror	1,223.40	67.82
10 86 00 00-0032	EA 18" Diameter Half-Dome Coated Plexiglas Dome Mirror	198.62	23.73
10 86 00 00-0033	EA 26" Diameter Half-Dome Coated Plexiglas Dome Mirror	294.32	25.78
10 86 00 00-0034	EA 36" Diameter Half-Dome Coated Plexiglas Dome Mirror	464.63	35.94
10 86 00 00-0035	EA 48" Diameter Half-Dome Coated Plexiglas Dome Mirror	768.20	50.87
10 86 00 00-0036	EA 18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	144.70	20.35
10 86 00 00-0037	EA 26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	202.09	22.39
10 86 00 00-0038	EA 32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	261.31	25.09
10 86 00 00-0039	EA 36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	335.79	29.84
10 86 00 00-0040	EA 48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	525.12	42.39

10 86 00 00-0041 Circular Convex Security Mirrors ^(10 86)

Note: Includes all mounting hardware.

10 86 00 00-0042 Plexiglas Circular Convex Mirrors ^(10 86 00 00-0041)

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0043	EA 12" Diameter Plexiglas Circular Convex Mirrors, Indoor	110.06	21.70
10 86 00 00-0044	EA 18" Diameter Plexiglas Circular Convex Mirrors, Indoor	142.45	23.73

10	10	Specialties
	10 80	Other Specialties
	10 86	Security Mirrors And Domes



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 86 00 00-0045	EA		26" Diameter Plexiglas Circular Convex Mirrors, Indoor	214.35	25.78
10 86 00 00-0046	EA		30" Diameter Plexiglas Circular Convex Mirrors, Indoor	267.48	29.84
10 86 00 00-0047	EA		36" Diameter Plexiglas Circular Convex Mirrors, Indoor	355.14	35.94
10 86 00 00-0048	EA		48" Diameter Plexiglas Circular Convex Mirrors, Indoor	625.38	50.87
10 86 00 00-0049	EA		18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	182.68	23.73
10 86 00 00-0050	EA		26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	261.95	25.78
10 86 00 00-0051	EA		36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	374.19	35.94
10 86 00 00-0052	EA		48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	682.51	50.87

10 86 00 00-0053 Coated Plexiglas Circular Convex Mirrors (10 86 00 00-0041)

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0054	EA		18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	219.81	23.73
10 86 00 00-0055	EA		26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	344.30	25.78
10 86 00 00-0056	EA		30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	461.94	29.84
10 86 00 00-0057	EA		36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	576.50	35.94
10 86 00 00-0058	EA		48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	837.22	50.87
10 86 00 00-0059	EA		18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	263.36	23.73
10 86 00 00-0060	EA		26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	406.19	25.78
10 86 00 00-0061	EA		30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	564.29	29.84
10 86 00 00-0062	EA		36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	638.39	35.94
10 86 00 00-0063	EA		48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	1,010.98	50.87

END OF SECTION 10

			Equipment	11	
			Operation and Maintenance of Equipment	11 01	
			Operation and Maintenance of Vehicle and Pedestrian Equipment	11 01 10	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 01 Operation and Maintenance of Equipment⁽¹¹⁾

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment^(11 01)

11 01 10 13 Operation and Maintenance of Parking Equipment^(11 01 10)

11 01 10 13-0001		Replacement Parking Equipment ^(11 01 10 13)		
11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	633.52	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	662.20	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	695.09	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	925.14	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	955.94	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	1,354.83	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	1,374.70	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	1,412.71	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	1,624.64	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	1,651.48	

11 10 Vehicle and Pedestrian Equipment⁽¹¹⁾

11 12 Parking Control Equipment^(11 10)

11 12 16 Parking Ticket Dispensers^(11 12)

11 12 16 00-0001		Parking Ticket Dispensers ^(11 12 16)		
11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp	12,003.63	233.74
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	16,157.17	233.74

11 12 23 Parking Meters^(11 12)

11 12 23 00-0001		Parking Meters ^(11 12 23)		
11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	222.94	

11 12 26 Parking Fee Collection Equipment^(11 12)

11 12 26 13 Parking Fee Coin Collection Equipment^(11 12 26)

11 12 26 13-0001		Parking Fee Collection Equipment ^(11 12 26 13)		
11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection	2,852.45	79.21

11 12 33 Parking Gates^(11 12)

11 12 33 13 Lift Arm Parking Gates^(11 12 33)

11 12 33 13-0001		Barrier Parking Gate Operators ^(11 12 33 13)		
11 12 33 13-0002		Barrier Parking Gate Operators ^(11 12 33 13-0001)		
Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.				
11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,712.67	648.28
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,691.04	648.28
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,965.10	648.28
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	9,718.23	648.28
		For 230/460 Volt AC, Add	322.50	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	9,895.39	648.28
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	10,328.13	648.28

11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes^(11 12 33 13-0001)

Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.				
11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	19,704.31	1,296.57
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	22,992.79	1,296.57
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	19,866.59	1,296.57
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	23,155.06	1,296.57

11 12 33 13-0014 Barrier Parking Gate Operator Accessories^(11 12 33 13-0001)

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 12 Parking Control Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	226.51	23.10
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	204.87	23.10
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators	478.94	23.10
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	722.35	23.10
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	659.25	23.10
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	659.25	23.10
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	803.49	23.10
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	682.84	138.58
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	682.84	138.58
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	683.06	
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,751.37	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	1,276.63	46.20
Note: Includes mounting plate and hardware. Excludes concrete foundation.				

11 12 36 Tire Shredders (11 12)

11 12 36 00-0001		Tire Shredding Traffic Control Spikes (11 12 36)		
11 12 36 00-0002		Flush Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	2,803.69	369.54
11 12 36 00-0004		Surface Mount, Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	5,053.07	184.77
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	3,610.61	184.77
11 12 36 00-0007		Warning Signs And Signals For Tire Shredding Traffic Control Spikes (11 12 36 00-0001)		
11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615)	2,248.18	69.29
Note: Includes light and mounting post.				
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603)	1,825.57	92.38
Note: Includes mounting post and hardware.				

11 13 Loading Dock Equipment (11 10)

Note: Includes all anchor bolts, drilling and fasteners.

11 13 13 Loading Dock Bumpers (11 13)

11 13 13 00-0001		Laminated Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0002		4-1/2" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	142.22	27.12
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	175.25	27.12
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	221.85	27.12
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	156.29	27.12
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	167.97	27.12
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	188.83	27.12
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	221.85	27.12
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	296.41	27.12
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	174.93	27.12
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	188.83	27.12
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	228.48	27.12
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	256.60	27.12
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	347.91	27.12
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	212.06	27.12
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	244.76	27.12
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	314.42	27.12
11 13 13 00-0019		6" Projection, Laminated Rubber Dock Bumpers (11 13 13 00-0001)		
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	195.74	27.12
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	207.27	27.12
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	235.07	27.12
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	277.41	27.12
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	371.09	27.12
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	221.33	27.12
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	230.81	27.12
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	268.41	27.12
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	324.49	27.12
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	481.51	27.12
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	277.57	27.12
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	315.17	27.12
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	320.17	27.12
11 13 13 00-0033		Extruded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0034		1-3/4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	81.51	27.12
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	86.15	27.12
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	92.34	27.12
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	98.54	27.12

		Equipment	11
		Vehicle and Pedestrian Equipment	11 10
		Loading Dock Equipment	11 13
MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

11 13 13 00-0039	4" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0040	EA 12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	105.79	27.12
11 13 13 00-0041	EA 18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	125.31	27.12
11 13 13 00-0042	EA 24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	130.94	27.12
11 13 13 00-0043	EA 36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	143.75	27.12
11 13 13 00-0044	6" Projection, Extruded Rubber Dock Bumpers (11 13 13 00-0033)		
11 13 13 00-0045	EA 12" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	126.40	27.12
11 13 13 00-0046	EA 18" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	152.71	27.12
11 13 13 00-0047	EA 24" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	174.39	27.12
11 13 13 00-0048	EA 36" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	215.74	27.12
11 13 13 00-0049	Molded Rubber Dock Bumpers (11 13 13)		
11 13 13 00-0050	Rectangular Molded Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0051	EA 18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper.....	110.95	27.12
11 13 13 00-0052	EA 10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	99.00	27.12
11 13 13 00-0053	EA 20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	126.28	27.12
11 13 13 00-0054	EA 30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	153.80	27.12
11 13 13 00-0055	EA 24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	160.29	27.12
11 13 13 00-0056	EA 13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	123.15	27.12
11 13 13 00-0057	EA 18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	154.89	27.12
11 13 13 00-0058	EA 30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	220.22	27.12
11 13 13 00-0059	EA 13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	132.64	27.12
11 13 13 00-0060	EA 24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	190.68	27.12
11 13 13 00-0061	EA 18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	190.11	27.12
11 13 13 00-0062	EA 24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper.....	281.57	27.12
11 13 13 00-0063	T And L Shaped Rubber Dock Bumpers (11 13 13 00-0049)		
11 13 13 00-0064	EA 22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper.....	181.17	27.12
11 13 13 00-0065	EA 18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper.....	168.98	27.12
11 13 13 00-0066	Vertical Dock Bumpers (11 13 13)		
	Note: Made with truck tire material.		
11 13 13 00-0067	EA 11" x 4" x 20", Vertical, Truck Docking Bumpers (U-Line H-2054).....	201.78	24.68
	Note: Drilling for fasteners is not included due to differing conditions.		
	For Concrete Installation Kit (4 Bolts), Add	98.66	
11 13 13 00-0068	EA 11" x 6" x 20", Vertical, Truck Docking Bumpers (U-Line H-6629).....	257.37	24.68
	Note: Drilling for fasteners is not included due to differing conditions.		
	For Concrete Installation Kit (4 Bolts), Add	98.66	
11 13 13 00-0069	Horizontal Dock Bumpers (11 13 13)		
	Note: Made with truck tire material.		
11 13 13 00-0070	EA 12" x 4" x 10", Horizontal, Truck Docking Bumpers (U-Line H-1504).....	129.63	20.88
	Note: Drilling for fasteners is not included due to differing conditions.		
	For Concrete Installation Kit (4 Bolts), Add	98.66	
11 13 13 00-0071	EA 12" x 6" x 10", Horizontal, Truck Docking Bumpers (U-Line H-5502).....	167.29	20.88
	Note: Drilling for fasteners is not included due to differing conditions.		
	For Concrete Installation Kit (4 Bolts), Add	98.66	
11 13 13 00-0072	EA 24" x 4" x 10", Horizontal, Truck Docking Bumpers (U-Line H-1505).....	191.02	24.68
	Note: Drilling for fasteners is not included due to differing conditions.		
	For Concrete Installation Kit (4 Bolts), Add	98.66	
11 13 16	Loading Dock Seals and Shelters (11 13)		
11 13 16 13	Loading Dock Seals (11 13 16)		
11 13 16 13-0001	Vinyl Loading Dock Seals (11 13 16 13)		
11 13 16 13-0002	Standard Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0003	LF 10" Projection, Standard, Vinyl Loading Dock Seal	101.99	27.12
11 13 16 13-0004	LF 11" Projection, Standard, Vinyl Loading Dock Seal	103.17	27.12
11 13 16 13-0005	LF 12" Projection, Standard, Vinyl Loading Dock Seal	104.36	27.12
11 13 16 13-0006	LF 13" Projection, Standard, Vinyl Loading Dock Seal	106.73	27.12
11 13 16 13-0007	LF 14" Projection, Standard, Vinyl Loading Dock Seal	109.10	27.12
11 13 16 13-0008	LF 15" Projection, Standard, Vinyl Loading Dock Seal	111.50	27.12
11 13 16 13-0009	LF 16" Projection, Standard, Vinyl Loading Dock Seal	113.90	27.12
11 13 16 13-0010	LF 17" Projection, Standard, Vinyl Loading Dock Seal	116.37	27.12
11 13 16 13-0011	LF 18" Projection, Standard, Vinyl Loading Dock Seal	118.84	27.12
11 13 16 13-0012	LF 19" Projection, Standard, Vinyl Loading Dock Seal	121.21	27.12
11 13 16 13-0013	LF 20" Projection, Standard, Vinyl Loading Dock Seal	123.58	27.12
11 13 16 13-0014	LF 22" Projection, Standard, Vinyl Loading Dock Seal	128.38	27.12
11 13 16 13-0015	8" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)		
11 13 16 13-0016	LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	116.07	27.12
11 13 16 13-0017	LF 11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	117.26	27.12
11 13 16 13-0018	LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	118.44	27.12

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	120.84	27.12
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	123.25	27.12
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	125.62	27.12
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.99	27.12
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	130.39	27.12
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	132.79	27.12
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	135.16	27.12
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	137.60	27.12
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	142.34	27.12

11 13 16 13-0028 4" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)

11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	123.58	27.12
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	124.79	27.12
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	126.01	27.12
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	128.38	27.12
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	130.75	27.12
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	133.15	27.12
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	135.56	27.12
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	137.93	27.12
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	140.29	27.12
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	142.70	27.12
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	145.10	27.12
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	149.97	27.12

11 13 16 13-0041 Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13)**11 13 16 13-0042 Standard, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)**

11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	95.70	27.12
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	97.57	27.12
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	101.69	27.12
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	105.75	27.12
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	109.92	27.12
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	113.98	27.12
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	118.10	27.12

11 13 16 13-0050 8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)

11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	109.03	27.12
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	110.95	27.12
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	115.07	27.12
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	119.18	27.12
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	123.25	27.12
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	127.37	27.12
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	131.43	27.12

11 13 16 13-0058 4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)

11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	116.25	27.12
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	118.11	27.12
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	122.29	27.12
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	126.35	27.12
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	130.47	27.12
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	134.53	27.12
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	138.71	27.12

11 13 16 13-0066 Nylon Reinforced Vinyl Dock Air Sealing Systems (11 13 16 13)

11 13 16 13-0067	EA	8' Height x 8' Width x 10" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-10)	2,069.86	406.95
		Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.		
11 13 16 13-0068	EA	8' Height x 8' Width x 12" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-12)	2,065.70	406.95
		Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.		
11 13 16 13-0069	EA	8' Height x 8' Width x 20" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-150-20)	2,571.01	406.95
		Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.		
11 13 16 13-0070	EA	9' Height x 8' Width x 10" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-10)	2,290.28	406.95
		Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.		
11 13 16 13-0071	EA	9' Height x 8' Width x 12" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-12)	2,356.82	406.95
		Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.		
11 13 16 13-0072	EA	9' Height x 8' Width x 20" Projection, Dock Air Sealing Systems Nylon Reinforced Vinyl Dock Seal (Grainger D-350-20)	2,625.07	406.95
		Note: Drilling for fasteners is not included due to differing conditions. Caulking is not included.		

11 13 16 23 Loading Dock Shelters (11 13 16)**11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter (11 13 16 23)**

11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	156.42	33.90
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Equipment		11
Vehicle and Pedestrian Equipment		11 10
Loading Dock Equipment		11 13
MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

11 13 16 23-0003	Rigid Loading Dock Shelters (11 13 16 23)		
11 13 16 23-0004	LF 18" Projection, Rigid Loading Dock Shelter	120.48	32.54
11 13 16 23-0005	LF 24" Projection, Rigid Loading Dock Shelter	124.86	32.54
11 13 16 23-0006	LF 30" Projection, Rigid Loading Dock Shelter	129.72	33.90
11 13 16 23-0007	LF 36" Projection, Rigid Loading Dock Shelter	132.74	33.90

11 13 19 Stationary Loading Dock Equipment (11 13)

11 13 19 13 Loading Dock Levelers (11 13 19)

11 13 19 13-0001	Hydraulic Dock Levelers (11 13 19 13)		
Note: Excludes control panel, remote operator, and electrical wiring.			
11 13 19 13-0002	20,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0003	EA 6' x 6', 20,000 Lb. Hydraulic Dock Leveler	7,749.85	1,096.62
11 13 19 13-0004	EA 6' x 8', 20,000 Lb. Hydraulic Dock Leveler	8,302.77	1,218.46
11 13 19 13-0005	EA 6' x 10', 20,000 Lb. Hydraulic Dock Leveler	10,115.35	1,462.15
11 13 19 13-0006	EA 7' x 6', 20,000 Lb. Hydraulic Dock Leveler	8,245.23	1,218.46
11 13 19 13-0007	EA 7' x 8', 20,000 Lb. Hydraulic Dock Leveler	8,945.73	1,340.31
11 13 19 13-0008	EA 7' x 10', 20,000 Lb. Hydraulic Dock Leveler	10,719.39	1,584.00

11 13 19 13-0009	25,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0010	EA 6' x 6', 25,000 Lb. Hydraulic Dock Leveler	7,896.70	1,096.62
11 13 19 13-0011	EA 6' x 8', 25,000 Lb. Hydraulic Dock Leveler	8,452.56	1,218.46
11 13 19 13-0012	EA 6' x 10', 25,000 Lb. Hydraulic Dock Leveler	10,255.66	1,462.15
11 13 19 13-0013	EA 7' x 6', 25,000 Lb. Hydraulic Dock Leveler	8,386.77	1,218.46
11 13 19 13-0014	EA 7' x 8', 25,000 Lb. Hydraulic Dock Leveler	9,075.54	1,340.31
11 13 19 13-0015	EA 7' x 10', 25,000 Lb. Hydraulic Dock Leveler	10,995.01	1,584.00

11 13 19 13-0016	30,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0017	EA 6' x 6', 30,000 Lb. Hydraulic Dock Leveler	8,290.63	1,279.39
11 13 19 13-0018	EA 6' x 8', 30,000 Lb. Hydraulic Dock Leveler	8,825.79	1,462.15
11 13 19 13-0019	EA 6' x 10', 30,000 Lb. Hydraulic Dock Leveler	10,722.70	1,705.84
11 13 19 13-0020	EA 7' x 6', 30,000 Lb. Hydraulic Dock Leveler	8,825.79	1,462.15
11 13 19 13-0021	EA 7' x 8', 30,000 Lb. Hydraulic Dock Leveler	9,476.20	1,644.92
11 13 19 13-0022	EA 7' x 10', 30,000 Lb. Hydraulic Dock Leveler	11,373.12	1,766.77

11 13 19 13-0023	35,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0024	EA 6' x 6', 35,000 Lb. Hydraulic Dock Leveler	8,576.25	1,340.31
11 13 19 13-0025	EA 6' x 8', 35,000 Lb. Hydraulic Dock Leveler	9,113.21	1,523.08
11 13 19 13-0026	EA 6' x 10', 35,000 Lb. Hydraulic Dock Leveler	10,309.56	1,766.77
11 13 19 13-0027	EA 7' x 6', 35,000 Lb. Hydraulic Dock Leveler	9,113.21	1,523.08
11 13 19 13-0028	EA 7' x 8', 35,000 Lb. Hydraulic Dock Leveler	9,903.16	1,705.84
11 13 19 13-0029	EA 7' x 10', 35,000 Lb. Hydraulic Dock Leveler	11,853.69	1,827.69

11 13 19 13-0030	40,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0031	EA 6' x 6', 40,000 Lb. Hydraulic Dock Leveler	9,034.45	1,340.31
11 13 19 13-0032	EA 6' x 8', 40,000 Lb. Hydraulic Dock Leveler	9,570.54	1,523.08
11 13 19 13-0033	EA 6' x 10', 40,000 Lb. Hydraulic Dock Leveler	11,504.96	1,766.77
11 13 19 13-0034	EA 7' x 6', 40,000 Lb. Hydraulic Dock Leveler	9,570.54	1,523.08
11 13 19 13-0035	EA 7' x 8', 40,000 Lb. Hydraulic Dock Leveler	10,361.57	1,705.84
11 13 19 13-0036	EA 7' x 10', 40,000 Lb. Hydraulic Dock Leveler	12,311.70	1,827.69

11 13 19 13-0037	45,000 Lb. Hydraulic Dock Levelers (11 13 19 13-0001)		
11 13 19 13-0038	EA 6' x 6', 45,000 Lb. Hydraulic Dock Leveler	9,451.20	1,401.23
11 13 19 13-0039	EA 6' x 8', 45,000 Lb. Hydraulic Dock Leveler	9,998.52	1,584.00
11 13 19 13-0040	EA 6' x 10', 45,000 Lb. Hydraulic Dock Leveler	11,919.82	1,827.69
11 13 19 13-0041	EA 7' x 6', 45,000 Lb. Hydraulic Dock Leveler	10,000.36	1,584.00
11 13 19 13-0042	EA 7' x 8', 45,000 Lb. Hydraulic Dock Leveler	10,782.97	1,766.77
11 13 19 13-0043	EA 7' x 10', 45,000 Lb. Hydraulic Dock Leveler	12,716.45	1,888.61

11 13 19 13-0044 Manual Dock Levelers (11 13 19 13)

11 13 19 13-0045	20,000 Lb. Manual Dock Levelers (11 13 19 13-0044)		
11 13 19 13-0046	EA 6' x 6', 20,000 Lb. Manual Dock Leveler	6,259.63	1,096.62
11 13 19 13-0047	EA 6' x 8', 20,000 Lb. Manual Dock Leveler	6,821.96	1,218.46
11 13 19 13-0048	EA 6' x 10', 20,000 Lb. Manual Dock Leveler	8,625.13	1,462.15
11 13 19 13-0049	EA 7' x 6', 20,000 Lb. Manual Dock Leveler	6,756.35	1,218.46
11 13 19 13-0050	EA 7' x 8', 20,000 Lb. Manual Dock Leveler	7,455.50	1,340.31
11 13 19 13-0051	EA 7' x 10', 20,000 Lb. Manual Dock Leveler	9,381.15	1,462.15

11 13 19 13-0052 40,000 Lb. Manual Dock Levelers (11 13 19 13-0044)

11 13 19 13-0053	EA 6' x 6', 40,000 Lb. Manual Dock Leveler	7,676.03	1,218.46
11 13 19 13-0054	EA 6' x 8', 40,000 Lb. Manual Dock Leveler	8,212.12	1,340.31
11 13 19 13-0055	EA 6' x 10', 40,000 Lb. Manual Dock Leveler	8,992.56	1,584.00
11 13 19 13-0056	EA 7' x 6', 40,000 Lb. Manual Dock Leveler	8,212.12	1,340.31

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
11 13 19 13-0057	EA	7' x 8', 40,000 Lb. Manual Dock Leveler	9,311.14	1,462.15	
11 13 19 13-0058	EA	7' x 10', 40,000 Lb. Manual Dock Leveler	10,953.29	1,705.84	
11 13 19 13-0059		Edge Of Dock Levelers (11 13 19 13)			
		Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.			
11 13 19 13-0060		Hydraulic Edge Of Dock Levelers (11 13 19 13-0059)			
		Note: Excludes control panel, remote operator, and electrical wiring.			
11 13 19 13-0061	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2066).....	4,381.28	365.54	
11 13 19 13-0062	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2072).....	4,695.97	365.54	
11 13 19 13-0063	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2566).....	4,650.43	365.54	
11 13 19 13-0064	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2572).....	5,082.45	365.54	
11 13 19 13-0065	EA	66" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620).....	5,524.16	365.54	
11 13 19 13-0066	EA	72" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220).....	5,832.59	365.54	
11 13 19 13-0067		Manual Edge Of Dock Levelers (11 13 19 13-0059)			
11 13 19 13-0068	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2066)	2,376.63	365.54	
11 13 19 13-0069	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2072)	2,566.21	365.54	
11 13 19 13-0070	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2566)	2,624.18	365.54	
11 13 19 13-0071	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2572)	2,766.36	365.54	
11 13 19 13-0072	EA	66" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66).....	3,056.69	365.54	
11 13 19 13-0073	EA	72" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72).....	3,463.75	365.54	
11 13 19 13-0074	EA	78" Usable Width, 25,000 Lb. Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78).....	3,763.22	365.54	
11 13 19 13-0075	EA	72" Usable Width, 30,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72).....	3,806.25	365.54	
11 13 19 13-0076	EA	66" Usable Width, 20,000 Lb. Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R)	3,397.40	365.54	
11 13 19 13-0077	EA	78" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R).....	4,640.10	365.54	
11 13 19 13-0078	EA	72" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R).....	4,372.91	365.54	
11 13 19 23		Stationary Loading Dock Lifts (11 13 19)			
11 13 19 23-0001		Top Of Ground, Fixed Platform Lifts (11 13 19 23)			
11 13 19 23-0002	EA	6' x 8', 5,500 Lb. Top Of Ground, Fixed Platform Lift	18,103.41	272.93	
11 13 19 23-0003		Pit Mounted, Fixed Platform Lifts (11 13 19 23)			
11 13 19 23-0004	EA	6' x 8', 5,000 Lb. Fixed Platform Lift, Pit Mounted	11,593.65	272.93	
11 13 19 23-0005	EA	6' x 8', 8,000 Lb. Fixed Platform Lift, Pit Mounted	20,710.83	409.40	
11 13 19 23-0006	EA	7' x 12', 15,000 Lb. Fixed Platform Lift, Pit Mounted	36,244.42	818.79	
11 13 19 23-0007	EA	8' x 20', 15,000 Lb. Fixed Platform Lift, Pit Mounted	38,064.27	1,091.72	
11 13 19 23-0008		Electric Powered Truck Scissor Dock Lift (11 13 19 23)			
11 13 19 23-0009	EA	5,000 Lb., 96" Length x 72" Width, Hydraulic, Truck Scissor Dock Lift (Global Industrial WL-100-5-68).....	14,728.26	739.08	
11 13 19 23-0010	EA	6,000 Lb., 96" Length x 96" Width, Hydraulic, Truck Scissor Dock Lift (Global Industrial WL-100-6-88)	17,920.19	739.08	
11 13 19 26		Loading Dock Truck Lifts (11 13 19)			
11 13 19 26-0001		Hydraulic Truck Lifts (11 13 19 26)			
11 13 19 26-0002	EA	10' x 15', 60,000 Lb. Platform Truck Lift.....	33,609.98	1,848.00	
11 13 19 26-0003	EA	10' x 20', 60,000 Lb. Platform Truck Lift.....	38,456.42	2,217.60	
11 13 19 33		Loading Dock Truck Restraints (11 13 19)			
11 13 19 33-0001		Truck Restraint System (11 13 19 33)			
11 13 19 33-0002	EA	Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL-60)	11,204.17	456.92	
		Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 Lb. restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.			
11 13 19 33-0003	EA	Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4)	11,703.58	456.92	
		Note: Includes push button controls, warning lights, alarms, minimum 32,000 Lb. restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.			
11 13 19 33-0004	EA	Truck Restraint System (Poweramp Powerstop AAL).....	8,257.65	456.92	
		Note: Includes push button controls, warning lights, alarms, 30,000 Lb. holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.			
11 13 23		Portable Dock Equipment (11 13)			
11 13 23 23		Portable Dock Platforms (11 13 23)			
11 13 23 23-0001	EA	6' x 6', 5,000 Lb. Capacity Portable Platform Lift	12,983.73	115.48	
11 13 26		Loading Dock Lights (11 13)			
11 13 26 00-0001		Communication Lights (11 13 26)			
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC.....	409.35	97.39	
		Note: Excludes control console.			
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	511.07	97.39	
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	222.86	77.91	

			Equipment	11	
			Vehicle and Pedestrian Equipment	11 10	
			Loading Dock Equipment	11 13	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 13 26 00-0005			Communication Lights Controls (11 13 26)		
11 13 26 00-0006	EA		Dock Communication Lights Control Console For Up To Two Docks.....	434.08	129.86
11 13 26 00-0007			Loading Dock Lights (11 13 26)		
11 13 26 00-0008			Incandescent Loading Dock Lights (11 13 26 00-0007)		
11 13 26 00-0009	EA		24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	474.99	129.86
11 13 26 00-0010	EA		40" Long, Dual Arm Loading Dock Light, 300W Incandescent	425.67	129.86
11 13 26 00-0011	EA		60" Long, Dual Arm Loading Dock Light, 300W Incandescent	550.09	129.86
11 13 26 00-0012			Metal Halide Loading Dock Lights (11 13 26 00-0007)		
11 13 26 00-0013	EA		24" Long, Single Arm Loading Dock Light, 100W Metal Halide	645.46	129.86
11 13 26 00-0014	EA		40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	703.91	129.86
11 13 26 00-0015	EA		60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	750.65	129.86
11 13 26 00-0016			Quartz Halogen Loading Dock Lights (11 13 26 00-0007)		
11 13 26 00-0017	EA		24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	419.10	129.86
11 13 26 00-0018	EA		40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	456.08	129.86
11 13 26 00-0019	EA		60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	487.65	129.86

11 14 Pedestrian Control Equipment (11 10)

11 14 13 Pedestrian Gates (11 14)

11 14 13 16 Rotary Gates (11 14 13)

11 14 13 16-0001			Access Control Indoor Or Outdoor Impenetrability (11 14 13 16)		
11 14 13 16-0002			Mechanical (11 14 13 16-0001)		
11 14 13 16-0003			Galvanized Steel (11 14 13 16-0002)		
11 14 13 16-0004	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	13,387.25	1,814.71
11 14 13 16-0005	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	15,073.48	1,814.71
11 14 13 16-0006	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	29,865.71	2,707.47
11 14 13 16-0007	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	28,935.80	2,707.47

11 14 13 16-0008			Powder Coated Steel (11 14 13 16-0002)		
11 14 13 16-0009	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	15,095.18	1,814.71
11 14 13 16-0010	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	16,716.32	1,814.71
11 14 13 16-0011	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	35,169.30	2,707.47
11 14 13 16-0012	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	31,737.93	2,707.47

11 14 13 16-0013			Anodized Aluminum (11 14 13 16-0002)		
11 14 13 16-0014	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,836.01	1,814.71
11 14 13 16-0015	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Complete Anodized Aluminum	27,184.01	1,814.71
11 14 13 16-0016	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	31,601.55	2,707.47
11 14 13 16-0017	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	52,977.08	2,707.47

11 14 13 16-0018			Stainless Steel (11 14 13 16-0002)		
11 14 13 16-0019	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	24,809.64	1,814.71
11 14 13 16-0020	EA		One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	27,803.95	1,814.71
11 14 13 16-0021	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	39,784.75	2,707.47
11 14 13 16-0022	EA		One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	49,517.81	2,707.47

11 14 13 16-0023			Transparent (11 14 13 16-0002)		
11 14 13 16-0024	EA		One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent.....	48,881.91	1,814.99

11 14 13 16-0025			Mechanical Options (11 14 13 16-0001)		
11 14 13 16-0026	EA		Out-of-Use Lock Option, Add.....	263.47	
11 14 13 16-0027	EA		Heel Protector (Each Heel Protector), Add	185.98	

11 14 13 16-0028			Electrical, One-Way (11 14 13 16-0001)		
11 14 13 16-0029			Galvanized Steel (11 14 13 16-0028)		
11 14 13 16-0030	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	14,134.27	1,814.71
11 14 13 16-0031	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	15,823.61	1,814.71
11 14 13 16-0032	EA		One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	32,655.44	2,707.47
11 14 13 16-0033	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	30,141.59	2,707.47
11 14 13 16-0034	EA		One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel.....	32,655.44	2,707.47

11 14 13 16-0035			Powder Coated Steel (11 14 13 16-0028)		
11 14 13 16-0036	EA		One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	15,839.11	1,814.71

11 Equipment**11 10 Vehicle and Pedestrian Equipment****11 14 Pedestrian Control Equipment**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
11 14 13 16-0037	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	17,726.83		1,814.71
11 14 13 16-0038	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	43,532.29		2,707.47
11 14 13 16-0039	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	32,959.21		2,707.47
11 14 13 16-0040	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	35,479.27		2,707.47
11 14 13 16-0041 Anodized Aluminum (11 14 13 16-0028)					
11 14 13 16-0042	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	16,149.08		1,814.71
11 14 13 16-0043	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	17,109.99		1,814.71
11 14 13 16-0044	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	28,113.92		1,814.71
11 14 13 16-0045	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	33,309.48		2,707.47
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	36,995.02		2,707.47
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	54,585.82		2,707.47
11 14 13 16-0048 Stainless Steel (11 14 13 16-0028)					
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	26,374.99		1,814.71
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	28,203.81		1,814.71
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	45,599.79		2,707.47
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	51,907.68		2,707.47
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	57,174.07		2,707.47
11 14 13 16-0054 Transparent (11 14 13 16-0028)					
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	44,613.62		1,814.99
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	47,204.97		1,814.99
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	48,336.36		1,814.99
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	79,460.91		2,707.47
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	84,451.43		2,707.47
11 14 13 16-0060 Electrical, Two-Way (11 14 13 16-0001)					
11 14 13 16-0061 Galvanized Steel (11 14 13 16-0060)					
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	15,212.97		1,814.71
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	16,951.90		1,814.71
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	38,582.07		2,707.47
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel.....	32,066.50		2,707.47
11 14 13 16-0066 Powder Coated Steel (11 14 13 16-0060)					
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel.....	16,784.52		1,814.71
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel.....	18,780.72		1,814.71
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	44,468.40		2,707.47
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	34,899.63		2,707.47
11 14 13 16-0071 Anodized Aluminum (11 14 13 16-0060)					
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	17,212.28		1,814.71
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	18,129.79		1,814.71
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	29,350.70		1,814.71
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	35,476.17		2,707.47
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum.....	56,597.53		2,707.47
11 14 13 16-0077 Stainless Steel (11 14 13 16-0060)					
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	27,422.69		1,814.71
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	29,282.51		1,814.71
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	46,368.52		2,707.47
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	53,457.53		2,707.47
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	59,312.86		2,707.47
11 14 13 16-0083 Transparent (11 14 13 16-0060)					
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	45,512.54		1,814.99
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	47,948.90		1,814.99
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	49,346.87		1,814.99
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	81,351.73		2,707.47
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	86,001.28		2,707.47
11 14 13 16-0089 Electrical Options (11 14 13 16-0001)					
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add	1,032.20		
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	725.33		
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction.....	238.68		
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction	238.68		
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction.....	189.08		

				Equipment	11	
				Vehicle and Pedestrian Equipment	11 10	
				Pedestrian Control Equipment	11 14	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
11 14 13 16-0095	EA		Heel Protectors, (Per Heel Protector), Add	185.98		
11 14 13 16-0096	EA		Card Reader Mounting Pad, Per Reader	170.48		
11 14 13 16-0097	EA		Hydraulic Speed Control (Per Rotor), Add	4,330.28		
11 14 13 16-0098			Relocate Rotary Gate ^(11 14 13 16-0001)			
11 14 13 16-0099	EA		Relocate Rotary Gate	5,330.67		
11 14 13 19			Turnstiles ^(11 14 13)			
11 14 13 19-0001			Turnstiles ^(11 14 13 19)			
11 14 13 19-0002	EA		24" Diameter Manual Turnstile, Three Arm, Two Way	2,926.18	511.74	
11 14 13 19-0003	EA		24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	3,798.98	511.74	
11 14 16			Pedestrian Control Devices ^(11 14)			
11 14 16 00-0001			Retractable Barrier ^(11 14 16)			
11 14 16 00-0002	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WGB269387BK)	99.37	20.79	
11 14 16 00-0003	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791)	181.55	20.79	
11 14 16 00-0004	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770)	222.63	20.79	
11 14 16 00-0005	EA		Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771)	366.44	20.79	
11 20			Commercial Equipment ⁽¹¹⁾			
11 21			Retail and Service Equipment ^(11 20)			
11 21 63			Refrigerated Display Equipment ^(11 21)			
11 21 63 00-0001			Dairy Products ^(11 21 63)			
11 21 63 00-0002			Refrigerated Dairy Case ^(11 21 63 00-0001)			
11 21 63 00-0003	LF		Refrigerated Case, Dairy, Multi-Deck	2,072.01	389.30	
			For Rear Sliding Doors, Add	19.95		
11 21 63 00-0004			Refrigerated Milk Unit ^(11 21 63 00-0001)			
11 21 63 00-0005	EA		46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	9,974.62	282.73	
11 21 63 00-0006			Refrigerated Ice Cream And Milk Dispenser ^(11 21 63 00-0001)			
11 21 63 00-0007	EA		63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	11,059.10	310.49	
11 21 63 00-0008			Ice Cream Dispenser ^(11 21 63 00-0001)			
11 21 63 00-0009	EA		46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	9,236.80	261.43	
11 21 63 00-0010			Drop-In Ice Cream Freezer ^(11 21 63 00-0001)			
11 21 63 00-0011	EA		27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	2,303.47	65.06	
11 21 63 00-0012	EA		30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	3,010.09	85.08	
11 21 63 00-0013			Ice Cream Cabinets ^(11 21 63 00-0001)			
11 21 63 00-0014	EA		46" x 32" x 42", 24 Gallon Ice Cream Cabinet	7,214.60	203.33	
11 21 63 00-0015	EA		68" x 32" x 42", 48 Gallon Ice Cream Cabinet	10,277.45	293.45	
11 21 63 00-0016			Delicatessen Case, Service Deli ^(11 21 63)			
11 21 63 00-0017	LF		Delicatessen Case, Single-Deck	2,056.18	324.42	
11 21 63 00-0018	LF		Delicatessen Case, Multi-Deck	2,300.71	389.30	
11 21 63 00-0019	EA		Delicatessen Case, 3 Shelf, 32" x 23" x 23"	2,673.95	95.60	
11 21 63 00-0020			Meat Case ^(11 21 63)			
11 21 63 00-0021	LF		Meat Case, Single - Deck	1,519.89	389.30	
11 21 63 00-0022	LF		Meat Case, Multi - Deck	1,646.70	389.30	
11 21 63 00-0023			Produce Case ^(11 21 63)			
11 21 63 00-0024	LF		Single Deck Produce Case	1,583.31	389.30	
11 21 63 00-0025	LF		Multi-Deck Produce Case	1,747.88	389.30	
11 21 63 00-0026			Bottle Coolers ^(11 21 63)			
11 21 63 00-0027	EA		Bottle Cooler, 6' Long	5,882.05	1,297.66	
11 21 63 00-0028	EA		Bottle Cooler, 10' Long	8,878.26	1,946.48	
11 21 63 00-0029			Cold Pan Units ^(11 21 63)			
11 21 63 00-0030	EA		5" x 48", Iced, Cold Pan Units	3,692.44	103.54	

11 Equipment**11 20 Commercial Equipment****11 21 Retail and Service Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units.....	5,130.05	144.85
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units.....	6,065.63	171.32
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units.....	6,235.65	177.00
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units.....	6,786.84	191.07
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units.....	8,064.19	225.80

11 21 63 00-0036 Cold Cabinets (Insulated) (11 21 63)

11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet.....	3,352.76	89.60
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11 28 Office Equipment (11 20)**11 28 13 Computers (11 28)****11 28 13 00-0001 Accessories (11 28 13)**

11 28 13 00-0002	EA	32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020).....	1,202.55	64.82
11 28 13 00-0003	EA	32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020).....	1,477.09	71.31
11 28 13 00-0004	EA	32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020).....	1,925.29	77.79
11 28 13 00-0005	EA	32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020).....	2,082.05	84.27
11 28 13 00-0006	EA	32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020).....	1,536.26	71.31
11 28 13 00-0007	EA	32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020).....	1,603.18	71.31
11 28 13 00-0008	EA	32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020).....	2,271.97	90.76
11 28 13 00-0009	EA	32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020).....	2,415.76	90.76
11 28 13 00-0010	EA	25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026).....	1,276.66	71.31
11 28 13 00-0011	EA	37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2).....	356.30	71.31
11 28 13 00-0012	EA	32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P).....	256.31	71.31

11 30 Residential Equipment (11)**11 32 Unit Kitchens (11 30)****11 32 13 Metal Unit Kitchens (11 32)**

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001 30" Compact Kitchen (11 32 13)

11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink.....	2,829.79	648.59
<i>For Gas Unit, Add</i>			294.75	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink.....	2,389.70	454.01
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range.....	2,181.99	389.16
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section.....	718.74	406.81
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,424.90	271.20
<i>For Range Hood In Upper Section, Add</i>			179.00	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	85.55	18.47
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	76.91	18.47

11 32 13 00-0009 42" Compact Kitchen (11 32 13)

11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink.....	3,288.07	713.46
<i>For Gas Unit, Add</i>			350.52	
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink.....	2,955.86	583.73
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section.....	902.95	230.52
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,649.96	305.10
<i>For Range Hood In Upper Section, Add</i>			179.00	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	102.88	18.47
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	85.87	18.47

11 32 13 00-0016 54" Compact Kitchen (11 32 13)

11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	4,441.45	908.04
<i>For Gas Unit, Add</i>			484.61	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,114.27	135.60
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section.....	1,834.73	339.01
<i>For Range Hood In Upper Section, Add</i>			179.00	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	119.75	18.47
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	89.37	18.47

11 32 13 00-0022 60" Compact Kitchen (11 32 13)

11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink.....	4,675.15	972.89
<i>For Gas Unit, Add</i>			506.69	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,327.85	339.01
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall.....	127.04	18.47
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	89.37	18.47

11 32 13 00-0027 72" Compact Kitchen (11 32 13)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 32 13 00-0028	EA		72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	5,012.81	1,037.75
			For Gas Unit, Add	544.37	
11 32 13 00-0029	EA		72" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,619.41	406.81
11 32 13 00-0030	EA		72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	148.25	23.10
11 32 13 00-0031	EA		72" Compact Unit Kitchen Stainless Steel Shield For Side Wall.....	93.57	23.10

11 40 Foodservice Equipment ⁽¹¹⁾

11 41 Foodservice Storage Equipment ^(11 40)

11 41 13 Refrigerated Food Storage Cases ^(11 41)

11 41 13 00-0001 Frozen Food Cases ^(11 41 13)

11 41 13 00-0002	LF		Chest Type Frozen Food Case.....	1,572.10	389.30
11 41 13 00-0003	LF		Reach-in Frozen Food Case (Glass Door)	3,007.57	389.30
11 41 13 00-0004	LF		Island Type Frozen Food Case.....	1,823.64	389.30
11 41 13 00-0005	LF		Multi-Deck Frozen Food Case	2,885.84	389.30

11 41 13 00-0006 Reach-In Refrigeration ^(11 41 13)

11 41 13 00-0007 Reach-In Refrigerators ^(11 41 13 00-0006)

11 41 13 00-0008	EA		Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	7,127.35	183.00
11 41 13 00-0009	EA		Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	8,776.14	230.81
11 41 13 00-0010	EA		Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	11,755.50	254.99
11 41 13 00-0011	EA		Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	6,129.12	183.00
11 41 13 00-0012	EA		Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	7,975.77	230.81
11 41 13 00-0013	EA		Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	10,620.41	254.99
11 41 13 00-0014	EA		Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	8,582.44	183.00
11 41 13 00-0015	EA		Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	11,619.05	230.81
11 41 13 00-0016	EA		Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	8,336.28	183.00
11 41 13 00-0017	EA		Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator.....	12,019.65	230.81
11 41 13 00-0018	EA		One Section, 12.6 CF, Self-Closing, Double Pane Tempered Glass Door, Merchandiser Refrigerator (Summit SCR1400WLH).....	1,585.32	52.75
11 41 13 00-0019	EA		One Section, 20.6 CF, Stainless Steel, Glass Door, Upright Refrigerator (Avantco SS-1R-G-HC 29)	2,283.07	52.75

11 41 13 00-0020 Reach-In Freezers ^(11 41 13 00-0006)

11 41 13 00-0021	EA		Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	8,029.55	183.22
11 41 13 00-0022	EA		Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	10,654.27	230.48

11 41 23 Walk-In-Coolers ^(11 41)

11 41 23 00-0001 Walk-In Refrigerated Boxes ^(11 41 23)

Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.

11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor ^(11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003	EA		6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,801.35	1,637.59
			For Refrigerated Boxes Without Floor, Deduct	-4,404.38	
11 41 23 00-0004	EA		6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,748.03	1,842.28
			For Refrigerated Boxes Without Floor, Deduct	-5,322.92	
11 41 23 00-0005	EA		6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,077.96	2,046.97
			For Refrigerated Boxes Without Floor, Deduct	-5,587.16	
11 41 23 00-0006	EA		6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,255.05	2,456.37
			For Refrigerated Boxes Without Floor, Deduct	-6,245.41	
11 41 23 00-0007	EA		6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,569.70	2,865.77
			For Refrigerated Boxes Without Floor, Deduct	-7,187.68	
11 41 23 00-0008	EA		6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,922.24	3,275.16
			For Refrigerated Boxes Without Floor, Deduct	-7,888.65	
11 41 23 00-0009	EA		6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,211.06	3,684.56
			For Refrigerated Boxes Without Floor, Deduct	-8,574.58	
11 41 23 00-0010	EA		8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,157.10	2,046.97
			For Refrigerated Boxes Without Floor, Deduct	-5,856.95	
11 41 23 00-0011	EA		8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,619.15	2,251.68
			For Refrigerated Boxes Without Floor, Deduct	-6,404.43	
11 41 23 00-0012	EA		8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,154.81	2,661.07
			For Refrigerated Boxes Without Floor, Deduct	-7,151.29	
11 41 23 00-0013	EA		8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,917.55	3,070.47
			For Refrigerated Boxes Without Floor, Deduct	-8,205.90	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,518.80	3,479.86
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,970.16	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,244.53	3,889.25
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,764.48	
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,843.44	4,298.65
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,528.74	
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,555.50	4,708.05
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,319.11	
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	55,172.54	5,117.44
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,087.32	

11 41 23 00-0019 Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0020	EA	10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,514.65	2,456.37
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,310.31	
11 41 23 00-0021	EA	10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,408.40	2,865.77
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,147.35	
11 41 23 00-0022	EA	10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,485.64	3,275.16
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,029.50	
11 41 23 00-0023	EA	10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,318.79	3,684.56
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,851.51	
11 41 23 00-0024	EA	10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,464.31	4,093.96
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,752.64	
11 41 23 00-0025	EA	10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,291.53	4,503.35
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,570.70	
11 41 23 00-0026	EA	10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,453.13	4,912.75
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,476.57	
11 41 23 00-0027	EA	10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	60,266.50	5,322.13
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,293.84	
11 41 23 00-0028	EA	10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,417.85	5,731.53
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,194.97	
11 41 23 00-0029	EA	10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,255.85	6,140.93
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,016.99	
11 41 23 00-0030	EA	10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,679.91	6,755.03
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,918.91	
11 41 23 00-0031	EA	10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	76,754.48	7,369.12
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,736.17	
11 41 23 00-0032	EA	12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,287.89	3,070.47
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,048.48	
11 41 23 00-0033	EA	12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,838.53	3,479.86
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,050.09	
11 41 23 00-0034	EA	12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,991.48	3,889.25
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,951.22	
11 41 23 00-0035	EA	12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,520.80	4,298.65
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,948.08	
11 41 23 00-0036	EA	12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,694.89	4,708.05
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,853.96	
11 41 23 00-0037	EA	12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	62,223.35	5,117.44
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-13,850.03	
11 41 23 00-0038	EA	12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,367.85	5,526.84
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-14,751.16	
11 41 23 00-0039	EA	12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,924.62	5,936.23
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,752.76	
11 41 23 00-0040	EA	12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,216.31	6,447.98
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,653.89	
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,021.61	7,062.07
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,650.75	
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,461.39	7,676.17
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,556.63	

			Equipment	11	
			Foodservice Equipment	11 40	
			Foodservice Storage Equipment	11 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0043	EA		12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	89,255.63 -19,552.70	8,290.26
11 41 23 00-0044	EA		12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	93,670.39 -20,453.83	8,904.35
11 41 23 00-0045			Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001) Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA		14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	53,407.62 -12,123.72	3,684.56
11 41 23 00-0047	EA		14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	58,521.52 -13,266.94	4,093.96
11 41 23 00-0048	EA		14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	64,076.63 -14,516.97	4,503.35
11 41 23 00-0049	EA		14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	69,190.79 -15,660.99	4,912.75
11 41 23 00-0050	EA		14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	74,716.23 -16,906.27	5,322.13
11 41 23 00-0051	EA		14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	79,858.11 -18,055.04	5,731.53
11 41 23 00-0052	EA		14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	85,389.18 -19,300.32	6,140.93
11 41 23 00-0053	EA		14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	90,781.62 -20,444.33	6,755.03
11 41 23 00-0054	EA		14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	96,587.25 -21,694.37	7,369.12
11 41 23 00-0055	EA		14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	102,011.69 -22,837.59	7,983.21
11 41 23 00-0056	EA		14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	107,791.61 -24,083.66	8,597.30
11 41 23 00-0057	EA		14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	113,208.40 -25,231.64	9,109.05
11 41 23 00-0058			Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001) Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0059	EA		16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	64,157.14 -14,607.17	4,298.65
11 41 23 00-0060	EA		16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	70,116.09 -15,959.26	4,708.05
11 41 23 00-0061	EA		16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	75,872.42 -17,262.29	5,117.44
11 41 23 00-0062	EA		16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	81,839.75 -18,619.13	5,526.84
11 41 23 00-0063	EA		16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	87,602.24 -19,922.17	5,936.23
11 41 23 00-0064	EA		16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	93,697.78 -21,274.26	6,447.98
11 41 23 00-0065	EA		16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	99,746.78 -22,582.05	7,062.07
11 41 23 00-0066	EA		16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	105,971.42 -23,934.14	7,676.17
11 41 23 00-0067	EA		16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	111,993.53 -25,237.17	8,290.26
11 41 23 00-0068	EA		16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	118,231.12 -26,594.01	8,904.35
11 41 23 00-0069	EA		18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	75,184.61 -17,159.44	4,912.75
11 41 23 00-0070	EA		18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door..... <i>For Refrigerated Boxes Without Floor, Deduct</i>	81,311.32 -18,555.05	5,322.13

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 41 23 00-0071	EA	18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	87,779.19	5,731.53
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,035.31	
11 41 23 00-0072	EA	18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	93,895.72	6,140.93
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,426.95	
11 41 23 00-0073	EA	18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	100,648.95	6,755.03
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,911.17	
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	107,021.05	7,369.12
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,302.82	
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	113,793.63	7,983.21
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,783.07	
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	120,171.67	8,597.30
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-27,178.68	
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	126,917.60	9,211.40
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-28,658.94	
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	133,552.18	9,961.96
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-30,050.58	

11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0080	EA	6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,946.95	1,637.59
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,690.78	
11 41 23 00-0081	EA	6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,191.08	1,842.28
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,433.68	
11 41 23 00-0082	EA	6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,533.69	2,046.97
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,951.10	
11 41 23 00-0083	EA	6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,925.98	2,456.37
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,663.14	
11 41 23 00-0084	EA	6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,335.57	2,865.77
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,629.15	
11 41 23 00-0085	EA	6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,903.30	3,275.16
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,383.91	
11 41 23 00-0086	EA	6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,287.06	3,684.56
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,093.58	
11 41 23 00-0087	EA	8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,733.09	2,046.97
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,250.95	
11 41 23 00-0088	EA	8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,290.08	2,251.68
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,822.16	
11 41 23 00-0089	EA	8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,040.93	2,661.07
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,622.82	
11 41 23 00-0090	EA	8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,898.62	3,070.47
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,701.17	
11 41 23 00-0091	EA	8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,715.06	3,479.86
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,519.22	
11 41 23 00-0092	EA	8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,535.72	3,889.25
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,337.28	
11 41 23 00-0093	EA	8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,349.83	4,298.65
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,155.34	
11 41 23 00-0094	EA	8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	54,156.83	4,708.05
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-11,969.44	
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	57,989.07	5,117.44
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-12,791.46	

11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,280.51	2,456.37
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,751.77	
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,389.46	2,865.77
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,642.62	

			Equipment	11
			Foodservice Equipment	11 40
			Foodservice Storage Equipment	11 41

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,561.64		3,275.16
		For Refrigerated Boxes Without Floor, Deduct	-9,548.50		
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,609.98		3,684.56
		For Refrigerated Boxes Without Floor, Deduct	-10,424.31		
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	50,850.45		4,093.96
		For Refrigerated Boxes Without Floor, Deduct	-11,349.17		
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	54,892.86		4,503.35
		For Refrigerated Boxes Without Floor, Deduct	-12,221.03		
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	59,149.40		4,912.75
		For Refrigerated Boxes Without Floor, Deduct	-13,150.64		
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	63,177.97		5,322.13
		For Refrigerated Boxes Without Floor, Deduct	-14,021.71		
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	67,424.25		5,731.53
		For Refrigerated Boxes Without Floor, Deduct	-14,946.57		
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	71,477.45		6,140.93
		For Refrigerated Boxes Without Floor, Deduct	-15,822.39		
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	75,996.45		6,755.03
		For Refrigerated Boxes Without Floor, Deduct	-16,748.04		
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	80,286.21		7,266.77
		For Refrigerated Boxes Without Floor, Deduct	-17,619.11		
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,484.15		3,070.47
		For Refrigerated Boxes Without Floor, Deduct	-9,597.55		
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	47,129.72		3,479.86
		For Refrigerated Boxes Without Floor, Deduct	-10,622.89		
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	51,497.87		3,889.25
		For Refrigerated Boxes Without Floor, Deduct	-11,577.82		
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	56,122.13		4,298.65
		For Refrigerated Boxes Without Floor, Deduct	-12,598.41		
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	60,511.42		4,708.05
		For Refrigerated Boxes Without Floor, Deduct	-13,558.09		
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	65,134.81		5,117.44
		For Refrigerated Boxes Without Floor, Deduct	-14,577.89		
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	69,494.51		5,526.84
		For Refrigerated Boxes Without Floor, Deduct	-15,532.82		
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	74,146.22		5,936.23
		For Refrigerated Boxes Without Floor, Deduct	-16,558.16		
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	78,653.10		6,447.98
		For Refrigerated Boxes Without Floor, Deduct	-17,513.09		
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	83,553.34		7,062.07
		For Refrigerated Boxes Without Floor, Deduct	-18,533.69		
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	88,208.32		7,676.17
		For Refrigerated Boxes Without Floor, Deduct	-19,493.36		
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	93,097.50		8,290.26
		For Refrigerated Boxes Without Floor, Deduct	-20,513.17		
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	97,727.45		8,904.35
		For Refrigerated Boxes Without Floor, Deduct	-21,468.09		
11 41 23 00-0122		Walk-In Refrigerated Unit, 8'6" High With Floor (11 41 23 00-0001) Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.			
11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	55,793.75		3,684.56
		For Refrigerated Boxes Without Floor, Deduct	-12,720.25		
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	61,122.85		4,093.96
		For Refrigerated Boxes Without Floor, Deduct	-13,917.27		
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	66,772.90		4,503.35
		For Refrigerated Boxes Without Floor, Deduct	-15,191.04		
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	72,102.25		4,912.75
		For Refrigerated Boxes Without Floor, Deduct	-16,388.85		
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	77,722.63		5,322.13
		For Refrigerated Boxes Without Floor, Deduct	-17,657.87		

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	83,079.70	5,731.53
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,860.43	
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	88,705.72	6,140.93
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,129.45	
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	94,313.36	6,755.03
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-21,327.27	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	100,213.92	7,369.12
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,601.03	
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	105,853.56	7,983.21
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,798.06	
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	111,728.42	8,597.30
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,067.87	
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	117,360.40	9,211.40
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-26,269.64	

11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	66,973.66	4,298.65
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-15,311.30	
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	73,027.55	4,708.05
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-16,687.12	
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	78,999.08	5,117.44
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-18,043.96	
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	85,061.35	5,526.84
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,424.53	
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	91,039.04	5,936.23
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,781.37	
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	97,229.51	6,447.98
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,157.19	
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	103,493.70	7,062.07
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,518.78	
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	109,813.28	7,676.17
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-24,894.60	
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	116,050.59	8,290.26
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-26,251.44	
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	122,383.12	8,904.35
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-27,632.01	
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	78,191.01	4,912.75
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-17,911.04	
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	84,532.92	5,322.13
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-19,360.45	
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	91,095.72	5,731.53
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-20,864.44	
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	97,427.45	6,140.93
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-22,309.89	
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	104,275.63	6,755.03
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-23,817.84	
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	110,862.91	7,369.12
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-25,263.28	
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	117,730.44	7,983.21
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-26,767.28	
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	124,323.67	8,597.30
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-28,216.68	
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	131,164.54	9,211.40
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-29,720.67	
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	138,014.32	9,961.96
		<i>For Refrigerated Boxes Without Floor, Deduct</i>	-31,166.12	

11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons (11 41 23 00-0001)

11 41 23 00-0157	SF		Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	1.34	
11 41 23 00-0158	SF		Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®	2.49	
11 41 23 00-0159	SF		Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®	3.50	
11 41 23 00-0160	SF		Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®	24.68	
11 41 23 00-0161	SF		Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®	32.28	
11 41 23 00-0162	SF		Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®	3.98	
11 41 23 00-0163	SF		Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®	9.79	
11 41 23 00-0164	SF		Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®	12.66	
11 41 23 00-0165	SF		Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®	13.29	
11 41 23 00-0166	SF		Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-17.87	
11 41 23 00-0167	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	7.45	
11 41 23 00-0168	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	19.32	
11 41 23 00-0169	SF		Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor	16.94	
11 41 23 00-0170	SF		Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	54.91	

11 41 23 00-0171 Air-Cooled Condensing Units For Walk-In Coolers And Freezers (11 41 23)

11 41 23 00-0172 Medium Temperature Hermetic System, Indoor (11 41 23 00-0171)

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0173 208/230 Volt, 1 Phase (11 41 23 00-0172)

Note: Pre-Assembled indoor R404a.

11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,658.20	179.16
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,967.10	209.03
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,876.39	238.88
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,411.83	268.75
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,163.98	298.60
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,165.50	358.32
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,482.29	418.04
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,377.56	477.76

11 41 23 00-0182 208/230 Volt, 3 Phase (11 41 23 00-0172)

Note: Pre-Assembled indoor R404a.

11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,886.30	238.88
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,411.83	268.75
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,253.19	298.60
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,059.31	358.32
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,482.29	418.04
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,254.37	477.76

11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor (11 41 23 00-0171)

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0190 208/230 Volt, 1 Phase (11 41 23 00-0189)

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,859.65	179.16
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,350.16	209.03
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,169.97	238.88
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,428.32	268.75
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,899.93	298.60
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,858.64	358.32
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,506.24	418.04
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,240.57	477.76

11 41 23 00-0199 208/230 Volt, 3 Phase (11 41 23 00-0189)

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,128.68	238.88
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,445.06	268.75
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,986.99	298.60
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,776.05	358.32
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,531.91	418.04
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,137.88	477.76

11 41 23 00-0206 Low Temperature Hermetic System, Indoor (11 41 23 00-0171)

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0207 208/230 Volt, 1 Phase (11 41 23 00-0206)

Note: Pre-Assembled indoor R404a.

11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,438.39	179.16
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,666.57	209.03
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,975.51	238.88
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,442.98	268.75
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,094.60	298.60
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,554.89	358.32

11 41 23 00-0214 208/230 Volt, 3 Phase (11 41 23 00-0206)

Note: Pre-Assembled indoor R404a.

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,985.42	238.88
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,442.98	268.75
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,186.64	298.60
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	9,452.94	358.32

11 41 23 00-0219 Low Temperature Hermetic System, Outdoor (11 41 23 00-0171)

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0220 208/230 Volt, 1 Phase (11 41 23 00-0219)

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,724.64	179.16
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,810.01	209.03
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,124.21	238.88
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,638.15	268.75
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,242.58	298.60
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,152.18	358.32

11 41 23 00-0227 208/230 Volt, 3 Phase (11 41 23 00-0219)

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,326.23	238.88
11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,737.49	268.75
11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,322.94	298.60
11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	8,070.70	358.32

11 41 23 00-0232 Medium Temperature Semi-Hermetic System, Indoor (11 41 23 00-0171)

Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0233 208/230 Volt, 1 Phase (11 41 23 00-0232)

Note: Pre-Assembled indoor R404a.

11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,305.42	238.88
11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	16,758.83	477.76

11 41 23 00-0236 208/230 Volt, 3 Phase (11 41 23 00-0232)

Note: Pre-Assembled indoor R404a.

11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,311.09	238.88
11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,129.31	298.60
11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	12,652.96	358.32
11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	16,528.03	477.76

11 41 23 00-0241 Medium Temperature Semi-Hermetic System, Outdoor (11 41 23 00-0171)

Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0242 208/230 Volt, 1 Phase (11 41 23 00-0241)

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,422.22	238.88
11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	15,842.33	477.76

11 41 23 00-0245 208/230 Volt, 3 Phase (11 41 23 00-0241)

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,433.38	238.88
11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,595.27	298.60
11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,929.09	358.32
11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	14,314.36	477.76

11 41 23 00-0250 Low Temperature Semi-Hermetic System, Indoor (11 41 23 00-0171)

Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0251 208/230 Volt, 1 Phase (11 41 23 00-0250)

Note: Pre-Assembled indoor R404a.

11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,489.23	209.03
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,993.57	238.88
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	9,385.65	268.75
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	10,879.76	298.60
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	13,764.48	358.32

			Equipment	11	
			Foodservice Equipment	11 40	↕
			Foodservice Storage Equipment	11 41	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 41 23 00-0257			208/230 Volt, 3 Phase (11 41 23 00-0250) Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA		3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,449.59	209.03
11 41 23 00-0259	EA		1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,987.91	238.88
11 41 23 00-0260	EA		1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,331.84	268.75
11 41 23 00-0261	EA		2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,786.30	298.60
11 41 23 00-0262	EA		3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,267.48	358.32
11 41 23 00-0263	EA		4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	18,590.65	418.04
11 41 23 00-0264	EA		6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	19,561.39	537.48
11 41 23 00-0265	EA		7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	28,267.40	627.07
11 41 23 00-0266			Low Temperature Semi-Hermetic System, Outdoor (11 41 23 00-0171) Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267			208/230 Volt, 1 Phase (11 41 23 00-0266) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA		3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,597.99	209.03
11 41 23 00-0269	EA		1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,917.77	238.88
11 41 23 00-0270	EA		1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,048.93	268.75
11 41 23 00-0271	EA		2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,247.13	298.60
11 41 23 00-0272	EA		3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,583.13	358.32
11 41 23 00-0273			208/230 Volt, 3 Phase (11 41 23 00-0266) Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA		3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,499.77	209.03
11 41 23 00-0275	EA		1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,922.24	238.88
11 41 23 00-0276	EA		1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,032.19	268.75
11 41 23 00-0277	EA		2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,164.54	298.60
11 41 23 00-0278	EA		3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,229.32	358.32
11 41 23 00-0279	EA		4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,366.99	418.04
11 41 23 00-0280	EA		6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	17,280.94	537.48
11 41 23 00-0281	EA		7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	24,310.91	627.07
11 41 23 00-0282			Walk-In Refrigerated Boxes Accessories (11 41 23) See CSI section 08 71 00 00-0000 for additional door accessories.		
11 41 23 00-0283			Accessories (11 41 23 00-0282)		
11 41 23 00-0284	EA		Super Door Package, For 36" Or 42" Door	1,503.28	
			Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285	EA		Super Door Package, For 48" Door	2,101.40	
			Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286	EA		Super Door Package, For 60" Door	2,101.40	
			Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0287	EA		14" x 24" Observation Window, Heated	2,483.23	
11 41 23 00-0288	EA		Heated Air Vent, Kason	821.79	
11 41 23 00-0289	EA		Heated Air Vent, Bally Polyvinyl Chloride (PVC)	2,103.47	
11 41 23 00-0290	EA		Interior Ramps For 36" Or 42" Wide Doors	3,142.87	
11 41 23 00-0291	EA		Interior Ramps For 48" Wide Doors	3,443.51	
11 41 23 00-0292	EA		Interior Ramps For 60" Wide Doors	3,791.62	
11 41 23 00-0293	EA		Exterior Ramps For 36" Or 42" Wide Doors	1,225.10	
11 41 23 00-0294	EA		Exterior Ramps For 48" Wide Doors	2,313.74	
11 41 23 00-0295	EA		Exterior Ramps For 60" Wide Doors	2,313.74	
11 41 23 00-0296	EA		Field Installed Extra Vapor-Proof Lights	238.43	
11 41 23 00-0297	EA		Field Installed Fluorescent Lights, 48", 2 Tubes	1,368.20	
11 41 23 00-0298	EA		Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted)	3,108.75	
11 41 23 00-0299	EA		Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted)	3,270.15	
11 41 23 00-0300	EA		Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted)	1,526.44	
11 41 23 00-0301	EA		Locking Devices, 36" Or 42" Wide Locking Bar	833.38	
11 41 23 00-0302	EA		Locking Devices, 48" Wide Locking Bar	959.97	
11 41 23 00-0303	EA		Locking Devices, 60" Wide Locking Bar	959.97	
11 41 23 00-0304	EA		Locking Devices, Mortise Dead Bolt (Cooler)	1,757.45	
11 41 23 00-0305	EA		Locking Devices, Mortise Dead Bolt (Freezer)	2,175.19	
11 41 23 00-0306	EA		Blast Freezer Kit, For 36" Or 42" Wide Doors	3,535.29	
11 41 23 00-0307	EA		Blast Freezer Kit, For 48" Wide Doors	3,737.82	
11 41 23 00-0308	EA		Blast Freezer Kit, For 60" Wide Doors	3,845.42	
11 41 23 00-0309	EA		Hardware Options, Polished For 36" Or 42" Door	174.05	
11 41 23 00-0310	EA		Hardware Options, Polished For 48" Or 60" Door	142.41	
11 41 23 00-0311	EA		Hardware Options, Chrome For 36" Or 42" Door	439.88	
11 41 23 00-0312	EA		Hardware Options, Chrome For 48" Or 60" Door	237.35	
11 41 23 00-0313	EA		Hardware Options, Positive Latch, 36" Or 42" Door	540.45	
11 41 23 00-0314	EA		Hardware Options, Strap Hinges, 36" Or 42" Door	388.55	
11 41 23 00-0315	EA		4" Screed Door	954.71	
11 41 23 00-0316	EA		Doors Cut For Tile	1,182.56	
11 41 23 00-0317	EA		84" High Doors (36" Wide)	1,182.56	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel	2,856.65
11 41 23 00-0319	EA	57-1/2" Door Section.....	711.03
11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches.....	659.33
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch	333.07
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23")	622.04
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23")	799.26
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle.....	83.03
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel.....	109.13
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel.....	160.56
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel.....	259.46
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support	44.48
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening	11.56
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening.....	55.38
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening	22.91
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening	85.45
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	111.44
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps	39.95
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps	17.41
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs.....	49.62
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate	97.75
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate	118.77
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall).....	678.01
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube	605.23
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube	2,032.48
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard).....	187.49
11 41 23 00-0343	LF	Extra Capillary Tubing.....	26.85

11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes (11 41 23 00-0282)

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High	7,339.18
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			360.14
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High	7,997.91
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			392.73
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High	8,226.26
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			403.81
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High	8,897.66
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			437.04
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High	8,708.27
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			427.23
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High	9,363.84
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			459.66
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High	9,560.54
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			469.16
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High	10,494.60
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			515.52
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High	10,077.37
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			494.32
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High	10,736.10
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			526.91
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High	10,980.27
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			538.78
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High	11,642.18
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			571.53
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High	13,427.89
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			660.48
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High	8,016.41
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			394.00
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High	8,573.88
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			421.53
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High	8,843.36
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			434.66
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High	9,587.55
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			471.53
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High	9,360.19
Note: Galvalume both sides.			
<i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>			459.82

			Equipment	11
			Foodservice Equipment	11 40
			Foodservice Storage Equipment	11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 23 00-0363	EA		10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	10,101.20	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	496.53	
11 41 23 00-0364	EA		11'-7" Length Partition Wall, 8'-2"/8'-6" High.....	10,373.85	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	509.82	
11 41 23 00-0365	EA		12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	11,114.87	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	546.53	
11 41 23 00-0366	EA		13'-6" Length Partition Wall, 8'-2"/8'-6" High.....	10,887.52	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	534.82	
11 41 23 00-0367	EA		14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	11,628.53	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	571.53	
11 41 23 00-0368	EA		15'-5" Length Partition Wall, 8'-2"/8'-6" High.....	11,901.18	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	584.82	
11 41 23 00-0369	EA		16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High.....	12,642.21	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	621.53	
11 41 23 00-0370	EA		17'-4" Length Partition Wall, 8'-2"/8'-6" High.....	12,414.83	
			Note: Galvalume both sides.		
			For Embossed White Instead Of Galvalume® On Both Sides, Add	609.83	

11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes (11 41 23 00-0282)

			Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372	EA		23" x 67" Glass Door, Displayrite, Coolrite Model.....	3,142.48	
11 41 23 00-0373	EA		23" x 73" Glass Door, Displayrite, Coolrite Model.....	3,433.63	
11 41 23 00-0374	EA		30" x 67" Glass Door, Displayrite, Coolrite Model.....	3,462.11	
11 41 23 00-0375	EA		30" x 73" Glass Door, Displayrite, Coolrite Model.....	3,829.21	
11 41 23 00-0376	EA		23" x 67" Glass Door, Displayrite, Freezerite Model.....	4,202.64	
11 41 23 00-0377	EA		23" x 73" Glass Door, Displayrite, Freezerite Model.....	4,468.46	
11 41 23 00-0378	EA		30" x 67" Glass Door, Displayrite, Freezerite Model.....	4,484.29	
11 41 23 00-0379	EA		30" x 73" Glass Door, Displayrite, Freezerite Model.....	5,218.48	
11 41 23 00-0380	EA		24" x 67" Glass Door, Anthony Model 101.....	4,272.26	
11 41 23 00-0381	EA		26" x 67" Glass Door, Anthony Model 101.....	5,291.27	
11 41 23 00-0382	EA		30" x 67" Glass Door, Anthony Model 101.....	5,648.87	
11 41 23 00-0383	EA		30x75 Glass Door, Anthony Model 101.....	5,769.13	
11 41 23 00-0384	EA		24" x 67" Glass Door, Anthony Model 101.....	6,506.49	
11 41 23 00-0385	EA		26" x 67" Glass Door, Anthony Model 101.....	7,221.70	
11 41 23 00-0386	EA		30" x 67" Glass Door, Anthony Model 101.....	7,354.61	
11 41 23 00-0387	EA		30" x 75" Glass Door, Anthony Model 101.....	7,845.13	
11 41 23 00-0388	EA		23" x 67" Glass Door, Anthony Model 401.....	3,373.50	
11 41 23 00-0389	EA		26-3/4" x 67" Glass Door, Anthony Model 401.....	3,553.89	
11 41 23 00-0390	EA		30-1/4" x 67" Glass Door, Anthony Model 401.....	4,778.60	
11 41 23 00-0391	EA		30-1/4" x 75" Glass Door, Anthony Model 401.....	4,098.20	
11 41 23 00-0392	EA		23" x 67" Glass Door, Anthony Model 401.....	4,550.75	
11 41 23 00-0393	EA		26-3/4" x 67" Glass Door, Anthony Model 401.....	4,762.78	
11 41 23 00-0394	EA		30-1/4" x 67" Glass Door, Anthony Model 401.....	4,778.60	
11 41 23 00-0395	EA		30-1/4" x 75" Glass Door, Anthony Model 401.....	5,690.01	

11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes (11 41 23 00-0282)

11 41 23 00-0397	EA		14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,077.06	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0398	EA		14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,134.51	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0399	EA		14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,267.93	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0400	EA		14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,338.04	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0401	EA		14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,452.96	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0402	EA		18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,248.44	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0403	EA		18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,277.42	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0404	EA		18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,413.99	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0405	EA		18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,477.77	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0406	EA		18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,690.80	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0407	EA		21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,362.87	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0408	EA		21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,376.02	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0409	EA		21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,575.88	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0410	EA		21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,582.71	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0411	EA		21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	1,827.37	
			For Cantilever Shelving, Add	402.00	
11 41 23 00-0412	EA		14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	912.50	
			For Cantilever Shelving, Add	402.00	

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	957.29	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,052.73	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,072.21	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,225.10	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,007.93	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,081.21	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,145.00	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,158.15	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,371.17	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,109.70	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,151.33	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,237.26	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,282.07	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,501.41	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,514.44	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,805.62	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,861.47	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,917.32	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,529.09	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,638.93	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,802.64	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,103.62	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,228.10	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,947.73	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,851.67	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,113.42	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,414.40	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,538.90	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	4,493.84	
		<i>For Cantilever Shelving, Add</i>	402.00	
11 41 23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,268.42	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,370.18	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,487.77	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,595.86	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,729.76	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,512.59	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,547.90	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,712.95	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,795.72	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,056.21	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,652.33	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,703.46	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,890.66	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,929.14	
		<i>For Cantilever Shelving, Add</i>	472.00	
11 41 23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,221.26	
		<i>For Cantilever Shelving, Add</i>	472.00	

Equipment			11
Foodservice Equipment			11 40
Foodservice Storage Equipment			11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 41 23 00-0457	EA		14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,069.05 472.00	
11 41 23 00-0458	EA		14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,123.34 472.00	
11 41 23 00-0459	EA		14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,240.93 472.00	
11 41 23 00-0460	EA		14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,263.57 472.00	
11 41 23 00-0461	EA		14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,451.28 472.00	
11 41 23 00-0462	EA		18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,215.11 472.00	
11 41 23 00-0463	EA		18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,301.06 472.00	
11 41 23 00-0464	EA		18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,491.42 472.00	
11 41 23 00-0465	EA		18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,472.93 472.00	
11 41 23 00-0466	EA		18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,651.14 472.00	
11 41 23 00-0467	EA		21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,339.03 472.00	
11 41 23 00-0468	EA		21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,390.16 472.00	
11 41 23 00-0469	EA		21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,498.24 472.00	
11 41 23 00-0470	EA		21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,549.38 472.00	
11 41 23 00-0471	EA		21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts <i>For Cantilever Shelving, Add</i>	1,822.52 472.00	
11 41 23 00-0472	EA		14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,069.30 472.00	
11 41 23 00-0473	EA		14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,431.56 472.00	
11 41 23 00-0474	EA		14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,499.67 472.00	
11 41 23 00-0475	EA		14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,567.78 472.00	
11 41 23 00-0476	EA		14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	4,329.08 472.00	
11 41 23 00-0477	EA		18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,223.20 472.00	
11 41 23 00-0478	EA		18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,426.13 472.00	
11 41 23 00-0479	EA		18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,800.65 472.00	
11 41 23 00-0480	EA		18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,954.55 472.00	
11 41 23 00-0481	EA		18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	4,850.67 472.00	
11 41 23 00-0482	EA		21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,487.42 472.00	
11 41 23 00-0483	EA		21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,812.91 472.00	
11 41 23 00-0484	EA		21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	4,187.43 472.00	
11 41 23 00-0485	EA		21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	4,341.33 472.00	
11 41 23 00-0486	EA		21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	5,531.61 472.00	

11 41 31 Non-Refrigerated Storage Equipment (11 41)

11 41 31 00-0001	Wall Cabinets (11 41 31)			
11 41 31 00-0002	EA		48" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	2,574.84 105.90
11 41 31 00-0003	EA		72" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	3,397.44 139.80
11 41 31 00-0004	EA		72" Wall Cabinet With Hinged Doors..... Note: 15" deep and 24" high.	3,899.51 160.28
11 41 31 00-0005	EA		72" Wall Cabinet With Open Shelves..... Note: 15" deep and 24" high.	2,495.62 102.24
11 41 31 00-0006	Mobile Sheet Pan Truck (11 41 31)			
11 41 31 00-0007	EA		2 Level Mobile Sheet Pan Truck.....	238.78 8.13
11 41 31 00-0008	Pot And Utensil Rack (11 41 31)			
11 41 31 00-0009	EA		70" Bench Type Pot And Utensil Rack.....	696.70 24.79
11 41 31 00-0010	EA		94" Bench Type Pot And Utensil Rack.....	807.40 28.02
11 41 31 00-0011	EA		94" Ceiling Type Pot And Utensil Rack.....	959.90 33.57
11 41 31 00-0012	EA		96" Wall Type Pot And Utensil Rack.....	522.03 18.33

11 41 31 00-0013 Tray And Silverware Cart (11 41 31)

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 31 00-0014 EA 33" x 22-1/2" x 42" Tray And Silverware Cart2,409.56 83.66

11 41 31 00-0015 Flat Top Utility Units (11 41 31)

11 41 31 00-0016 EA 39" x 28-1/2" x 35-3/8" Flat Top Utility Units1,642.86 57.19
 11 41 31 00-0017 EA 79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units2,201.53 76.43

11 41 33 Foodservice Shelving (11 41)

11 41 33 00-0001 Shelving/Racks (11 41 33)

11 41 33 00-0002 Chrome Shelving Units (11 41 33 00-0001)

11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0004 EA 14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit331.87 37.22
 11 41 33 00-0005 EA 14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit350.01 37.52
 11 41 33 00-0006 EA 14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit372.50 37.83
 11 41 33 00-0007 EA 14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit386.41 38.15
 11 41 33 00-0008 EA 14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit413.13 38.45
 11 41 33 00-0009 EA 14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit435.71 38.76
 11 41 33 00-0010 EA 14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit453.85 39.07
 11 41 33 00-0011 EA 18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit494.49 39.68
 11 41 33 00-0012 EA 18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit362.92 37.52
 11 41 33 00-0013 EA 18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit376.81 37.83
 11 41 33 00-0014 EA 18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit390.74 38.15
 11 41 33 00-0015 EA 18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit430.45 38.45
 11 41 33 00-0016 EA 18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit457.26 38.76
 11 41 33 00-0017 EA 18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit492.64 39.07
 11 41 33 00-0018 EA 18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit506.46 39.37
 11 41 33 00-0019 EA 18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit555.84 39.99
 11 41 33 00-0020 EA 21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit381.15 37.83
 11 41 33 00-0021 EA 21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit412.21 38.15
 11 41 33 00-0022 EA 21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit434.79 38.45
 11 41 33 00-0023 EA 21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit461.50 38.76
 11 41 33 00-0024 EA 21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit479.73 39.07
 11 41 33 00-0025 EA 21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit523.79 39.37
 11 41 33 00-0026 EA 21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit546.26 39.68
 11 41 33 00-0027 EA 21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit604.21 40.29
 11 41 33 00-0028 EA 24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit420.96 38.15
 11 41 33 00-0029 EA 24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit439.12 38.45
 11 41 33 00-0030 EA 24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit452.93 38.76
 11 41 33 00-0031 EA 24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit488.39 39.07
 11 41 33 00-0032 EA 24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit510.88 39.37
 11 41 33 00-0033 EA 24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit554.92 39.68
 11 41 33 00-0034 EA 24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit585.97 39.99
 11 41 33 00-0035 EA 24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit661.23 40.60
 11 41 33 00-0036 EA 30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit559.90 38.45
 11 41 33 00-0037 EA 30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit629.72 38.76
 11 41 33 00-0038 EA 30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit673.85 39.07
 11 41 33 00-0039 EA 30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit774.01 39.37
 11 41 33 00-0040 EA 36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit619.60 39.68
 11 41 33 00-0041 EA 36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit685.28 39.99
 11 41 33 00-0042 EA 36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit768.05 40.29
 11 41 33 00-0043 EA 36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit902.06 40.91

11 41 33 00-0044 63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0045 EA 14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit336.12 37.22
 11 41 33 00-0046 EA 14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit354.26 37.52
 11 41 33 00-0047 EA 14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit376.73 37.83
 11 41 33 00-0048 EA 14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit390.65 38.15
 11 41 33 00-0049 EA 14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit417.37 38.45
 11 41 33 00-0050 EA 14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit439.93 38.76
 11 41 33 00-0051 EA 14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit458.09 39.07
 11 41 33 00-0052 EA 14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit498.71 39.68
 11 41 33 00-0053 EA 18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit367.14 37.52
 11 41 33 00-0054 EA 18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit381.06 37.83
 11 41 33 00-0055 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit394.99 38.15
 11 41 33 00-0056 EA 18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit434.68 38.45
 11 41 33 00-0057 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit461.50 38.76
 11 41 33 00-0058 EA 18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit496.86 39.07
 11 41 33 00-0059 EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit510.70 39.37
 11 41 33 00-0060 EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit518.16 39.99
 11 41 33 00-0061 EA 21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit385.39 37.83
 11 41 33 00-0062 EA 21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit416.45 38.15
 11 41 33 00-0063 EA 21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit439.01 38.45
 11 41 33 00-0064 EA 21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit465.73 38.76
 11 41 33 00-0065 EA 21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit483.97 39.07
 11 41 33 00-0066 EA 21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit528.01 39.37
 11 41 33 00-0067 EA 21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit550.50 39.68
 11 41 33 00-0068 EA 21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit608.45 40.29
 11 41 33 00-0069 EA 24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit425.20 38.15
 11 41 33 00-0070 EA 24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit443.34 38.45
 11 41 33 00-0071 EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit457.17 38.76
 11 41 33 00-0072 EA 24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit492.64 39.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0073	EA	24"	48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	515.12	39.37
11 41 33 00-0074	EA	24"	54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	559.14	39.68
11 41 33 00-0075	EA	24"	60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	590.19	39.99
11 41 33 00-0076	EA	24"	72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	665.47	40.60
11 41 33 00-0077	EA	30"	36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	564.12	38.45
11 41 33 00-0078	EA	30"	48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	633.96	38.76
11 41 33 00-0079	EA	30"	60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	678.07	39.07
11 41 33 00-0080	EA	30"	72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	778.23	39.37
11 41 33 00-0081	EA	36"	36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	623.82	39.68
11 41 33 00-0082	EA	36"	48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	689.51	39.99
11 41 33 00-0083	EA	36"	60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	772.33	40.29
11 41 33 00-0084	EA	36"	72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	906.29	40.91
11 41 33 00-0085 66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)					
11 41 33 00-0086	EA	14"	24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	338.33	37.22
11 41 33 00-0087	EA	14"	30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	356.47	37.52
11 41 33 00-0088	EA	14"	36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	378.94	37.83
11 41 33 00-0089	EA	14"	42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	392.86	38.15
11 41 33 00-0090	EA	14"	48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	419.58	38.45
11 41 33 00-0091	EA	14"	54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	442.14	38.76
11 41 33 00-0092	EA	14"	60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	460.30	39.07
11 41 33 00-0093	EA	14"	72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	500.92	39.68
11 41 33 00-0094	EA	18"	24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	369.37	37.52
11 41 33 00-0095	EA	18"	30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	383.27	37.83
11 41 33 00-0096	EA	18"	36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	397.20	38.15
11 41 33 00-0097	EA	18"	42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	436.91	38.45
11 41 33 00-0098	EA	18"	48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	463.71	38.76
11 41 33 00-0099	EA	18"	54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	499.07	39.07
11 41 33 00-0100	EA	18"	60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	512.91	39.37
11 41 33 00-0101	EA	18"	72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	562.30	39.99
11 41 33 00-0102	EA	21"	24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	387.60	37.83
11 41 33 00-0103	EA	21"	30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	418.66	38.15
11 41 33 00-0104	EA	21"	36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	441.22	38.45
11 41 33 00-0105	EA	21"	42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	467.94	38.76
11 41 33 00-0106	EA	21"	48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	486.18	39.07
11 41 33 00-0107	EA	21"	54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	530.22	39.37
11 41 33 00-0108	EA	21"	60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	552.71	39.68
11 41 33 00-0109	EA	21"	72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	610.66	40.29
11 41 33 00-0110	EA	24"	24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	427.41	38.15
11 41 33 00-0111	EA	24"	30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	445.55	38.45
11 41 33 00-0112	EA	24"	36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	459.38	38.76
11 41 33 00-0113	EA	24"	42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	494.85	39.07
11 41 33 00-0114	EA	24"	48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	517.33	39.37
11 41 33 00-0115	EA	24"	54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	561.38	39.68
11 41 33 00-0116	EA	24"	60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	592.40	39.99
11 41 33 00-0117	EA	24"	72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	667.68	40.60
11 41 33 00-0118	EA	30"	36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	566.33	38.45
11 41 33 00-0119	EA	30"	48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	636.17	38.76
11 41 33 00-0120	EA	30"	60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	680.30	39.07
11 41 33 00-0121	EA	30"	72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	780.44	39.37
11 41 33 00-0122	EA	36"	36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	626.03	39.68
11 41 33 00-0123	EA	36"	48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	691.72	39.99
11 41 33 00-0124	EA	36"	60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	774.52	40.29
11 41 33 00-0125	EA	36"	72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	908.50	40.91
11 41 33 00-0126 74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)					
11 41 33 00-0127	EA	14"	24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	344.76	37.22
11 41 33 00-0128	EA	14"	30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	362.92	37.52
11 41 33 00-0129	EA	14"	36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	385.39	37.83
11 41 33 00-0130	EA	14"	42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	399.32	38.15
11 41 33 00-0131	EA	14"	48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	426.03	38.45
11 41 33 00-0132	EA	14"	54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	448.59	38.76
11 41 33 00-0133	EA	14"	60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	466.76	39.07
11 41 33 00-0134	EA	14"	72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	507.38	39.68
11 41 33 00-0135	EA	18"	24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	375.81	37.52
11 41 33 00-0136	EA	18"	30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	389.72	37.83
11 41 33 00-0137	EA	18"	36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	403.65	38.15
11 41 33 00-0138	EA	18"	42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	443.34	38.45
11 41 33 00-0139	EA	18"	48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	470.15	38.76
11 41 33 00-0140	EA	18"	54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	505.53	39.07
11 41 33 00-0141	EA	18"	60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	519.37	39.37
11 41 33 00-0142	EA	18"	72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	568.73	39.99
11 41 33 00-0143	EA	21"	24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	394.06	37.83
11 41 33 00-0144	EA	21"	30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	425.11	38.15
11 41 33 00-0145	EA	21"	36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	447.67	38.45
11 41 33 00-0146	EA	21"	42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	474.39	38.76
11 41 33 00-0147	EA	21"	48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	492.64	39.07
11 41 33 00-0148	EA	21"	54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	536.67	39.37
11 41 33 00-0149	EA	21"	60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	559.14	39.68
11 41 33 00-0150	EA	21"	72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	617.12	40.29
11 41 33 00-0151	EA	24"	24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	433.87	38.15
11 41 33 00-0152	EA	24"	30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	452.01	38.45
11 41 33 00-0153	EA	24"	36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	465.84	38.76

11 Equipment
11 40 Foodservice Equipment
11 41 Foodservice Storage Equipment

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	501.28	39.07
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	523.79	39.37
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	567.81	39.68
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	598.86	39.99
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	674.14	40.60
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	572.78	38.45
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	642.63	38.76
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	686.74	39.07
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	786.89	39.37
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	632.49	39.68
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	698.17	39.99
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	781.00	40.29
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	914.95	40.91

11 41 33 00-0167 86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	362.00	37.22
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	380.14	37.52
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	402.61	37.83
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	416.54	38.15
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	443.25	38.45
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	465.84	38.76
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	483.97	39.07
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	524.62	39.68
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	393.05	37.52
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	406.94	37.83
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	420.87	38.15
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	460.58	38.45
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	487.39	38.76
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	522.77	39.07
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	536.59	39.37
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	585.97	39.99
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	411.28	37.83
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	442.33	38.15
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	464.92	38.45
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	491.61	38.76
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	509.86	39.07
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	553.91	39.37
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	576.39	39.68
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	634.34	40.29
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	451.09	38.15
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	469.23	38.45
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	483.05	38.76
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	518.52	39.07
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	541.01	39.37
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	585.05	39.68
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	616.08	39.99
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	691.36	40.60
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	590.00	38.45
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	659.85	38.76
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	703.98	39.07
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	804.11	39.37
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	649.71	39.68
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	715.39	39.99
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	798.24	40.29
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit.....	932.17	40.91

11 41 33 00-0208 96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)

11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	425.63	37.22
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	448.08	37.52
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	475.95	37.83
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	493.12	38.15
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	526.29	38.45
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	554.27	38.76
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	576.72	39.07
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	627.06	39.68
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	464.20	37.52
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	481.36	37.83
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	498.52	38.15
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	547.93	38.45
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	581.21	38.76
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	625.21	39.07
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	642.24	39.37
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	703.51	39.99
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	486.78	37.83
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	525.37	38.15
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	553.35	38.45
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	586.50	38.76
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	609.08	39.07
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	663.91	39.37
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	691.78	39.68
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	763.76	40.29
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	536.31	38.15
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	558.76	38.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0235	EA	24"	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	575.80	38.76
11 41 33 00-0236	EA	24"	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	619.92	39.07
11 41 33 00-0237	EA	24"	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	647.78	39.37
11 41 33 00-0238	EA	24"	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	702.59	39.68
11 41 33 00-0239	EA	24"	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	741.17	39.99
11 41 33 00-0240	EA	24"	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	834.80	40.60
11 41 33 00-0241	EA	30"	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	709.73	38.45
11 41 33 00-0242	EA	30"	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	796.79	38.76
11 41 33 00-0243	EA	30"	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	851.71	39.07
11 41 33 00-0244	EA	30"	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	976.68	39.37
11 41 33 00-0245	EA	36"	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	783.44	39.68
11 41 33 00-0246	EA	36"	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	865.31	39.99
11 41 33 00-0247	EA	36"	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	968.62	40.29
11 41 33 00-0248	EA	36"	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,135.59	40.91
11 41 33 00-0249	Galvanized Shelving Units (11 41 33 00-0001)				
11 41 33 00-0250	54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)				
11 41 33 00-0251	EA	14"	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	368.20	37.22
11 41 33 00-0252	EA	14"	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	387.08	37.52
11 41 33 00-0253	EA	14"	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	410.54	37.83
11 41 33 00-0254	EA	14"	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	429.42	38.15
11 41 33 00-0255	EA	14"	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	457.38	38.45
11 41 33 00-0256	EA	14"	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	480.73	38.76
11 41 33 00-0257	EA	14"	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	504.19	39.07
11 41 33 00-0258	EA	14"	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	541.95	39.68
11 41 33 00-0259	EA	18"	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	400.55	37.52
11 41 33 00-0260	EA	18"	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	415.03	37.83
11 41 33 00-0261	EA	18"	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	442.90	38.15
11 41 33 00-0262	EA	18"	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	475.33	38.45
11 41 33 00-0263	EA	18"	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	503.27	38.76
11 41 33 00-0264	EA	18"	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	540.10	39.07
11 41 33 00-0265	EA	18"	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	568.07	39.37
11 41 33 00-0266	EA	18"	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	610.47	39.99
11 41 33 00-0267	EA	21"	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	419.51	37.83
11 41 33 00-0268	EA	21"	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	456.46	38.15
11 41 33 00-0269	EA	21"	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	479.81	38.45
11 41 33 00-0270	EA	21"	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	507.77	38.76
11 41 33 00-0271	EA	21"	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	526.65	39.07
11 41 33 00-0272	EA	21"	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	577.05	39.37
11 41 33 00-0273	EA	21"	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	600.51	39.68
11 41 33 00-0274	EA	21"	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	669.78	40.29
11 41 33 00-0275	EA	24"	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	465.44	38.15
11 41 33 00-0276	EA	24"	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	484.31	38.45
11 41 33 00-0277	EA	24"	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	498.79	38.76
11 41 33 00-0278	EA	24"	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	535.62	39.07
11 41 33 00-0279	EA	24"	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	577.05	39.37
11 41 33 00-0280	EA	24"	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	622.94	39.68
11 41 33 00-0281	EA	24"	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	659.88	39.99
11 41 33 00-0282	EA	24"	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	742.71	40.60
11 41 33 00-0283	63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)				
11 41 33 00-0284	EA	14"	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	377.18	37.22
11 41 33 00-0285	EA	14"	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	396.05	37.52
11 41 33 00-0286	EA	14"	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	419.51	37.83
11 41 33 00-0287	EA	14"	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	438.40	38.15
11 41 33 00-0288	EA	14"	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	466.36	38.45
11 41 33 00-0289	EA	14"	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	489.71	38.76
11 41 33 00-0290	EA	14"	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	513.17	39.07
11 41 33 00-0291	EA	14"	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	550.93	39.68
11 41 33 00-0292	EA	18"	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	409.53	37.52
11 41 33 00-0293	EA	18"	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	424.01	37.83
11 41 33 00-0294	EA	18"	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	451.87	38.15
11 41 33 00-0295	EA	18"	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	484.31	38.45
11 41 33 00-0296	EA	18"	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	512.25	38.76
11 41 33 00-0297	EA	18"	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	549.08	39.07
11 41 33 00-0298	EA	18"	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	577.05	39.37
11 41 33 00-0299	EA	18"	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	619.38	39.99
11 41 33 00-0300	EA	21"	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	428.49	37.83
11 41 33 00-0301	EA	21"	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	465.44	38.15
11 41 33 00-0302	EA	21"	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	488.79	38.45
11 41 33 00-0303	EA	21"	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	516.75	38.76
11 41 33 00-0304	EA	21"	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	535.62	39.07
11 41 33 00-0305	EA	21"	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	586.02	39.37
11 41 33 00-0306	EA	21"	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	609.48	39.68
11 41 33 00-0307	EA	21"	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	678.76	40.29
11 41 33 00-0308	EA	24"	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	474.41	38.15
11 41 33 00-0309	EA	24"	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	493.29	38.45
11 41 33 00-0310	EA	24"	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	507.77	38.76
11 41 33 00-0311	EA	24"	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	544.60	39.07
11 41 33 00-0312	EA	24"	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	586.02	39.37
11 41 33 00-0313	EA	24"	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	631.92	39.68
11 41 33 00-0314	EA	24"	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	668.85	39.99

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 33 00-0315 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit751.69 40.60

11 41 33 00-0316 74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)

11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	386.16	37.22
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	405.03	37.52
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	428.49	37.83
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	447.37	38.15
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	475.33	38.45
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	498.69	38.76
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	522.15	39.07
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	559.91	39.68
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	418.51	37.52
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	432.99	37.83
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	460.85	38.15
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	493.29	38.45
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	521.23	38.76
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	558.06	39.07
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	586.02	39.37
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	628.36	39.99
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	437.47	37.83
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	474.41	38.15
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	497.77	38.45
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	525.73	38.76
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	544.60	39.07
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	595.00	39.37
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	618.46	39.68
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	687.74	40.29
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	483.39	38.15
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	502.27	38.45
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	516.75	38.76
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	553.58	39.07
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	595.00	39.37
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	640.89	39.68
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	677.83	39.99
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	760.67	40.60

11 41 33 00-0349 86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)

11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	408.70	37.22
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	427.57	37.52
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	451.03	37.83
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	469.91	38.15
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	497.87	38.45
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	521.23	38.76
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	544.69	39.07
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	582.45	39.68
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	441.05	37.52
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	455.53	37.83
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	483.39	38.15
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	515.83	38.45
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	543.77	38.76
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	580.60	39.07
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	608.56	39.37
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	650.90	39.99
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	460.01	37.83
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	496.95	38.15
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	520.31	38.45
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	548.27	38.76
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	567.14	39.07
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	617.54	39.37
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	641.00	39.68
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	710.28	40.29
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	505.93	38.15
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	524.81	38.45
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	539.29	38.76
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	576.12	39.07
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	617.54	39.37
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	663.43	39.68
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	700.37	39.99
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	783.21	40.60

11 41 33 00-0382 54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)

11 41 33 00-0383	EA	18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	699.32	38.15
11 41 33 00-0384	EA	18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	768.67	38.76
11 41 33 00-0385	EA	18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	860.49	39.37
11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	916.30	39.99
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	764.11	38.76
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	882.94	39.37
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	974.75	39.99
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,111.53	40.60

11 41 33 00-0391 63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)

Equipment			11
Foodservice Equipment			11 40
Foodservice Storage Equipment			11 41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0392	EA	18" x 36"	Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	708.30	38.15
11 41 33 00-0393	EA	18" x 48"	Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	777.67	38.76
11 41 33 00-0394	EA	18" x 60"	Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	869.46	39.37
11 41 33 00-0395	EA	18" x 72"	Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	925.27	39.99
11 41 33 00-0396	EA	24" x 36"	Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	773.08	38.76
11 41 33 00-0397	EA	24" x 48"	Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	891.92	39.37
11 41 33 00-0398	EA	24" x 60"	Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	983.72	39.99
11 41 33 00-0399	EA	24" x 72"	Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,120.51	40.60
11 41 33 00-0400 74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)					
11 41 33 00-0401	EA	18" x 36"	Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	717.27	38.15
11 41 33 00-0402	EA	18" x 48"	Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	786.65	38.76
11 41 33 00-0403	EA	18" x 60"	Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	878.46	39.37
11 41 33 00-0404	EA	18" x 72"	Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	934.25	39.99
11 41 33 00-0405	EA	24" x 36"	Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	782.06	38.76
11 41 33 00-0406	EA	24" x 48"	Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	900.89	39.37
11 41 33 00-0407	EA	24" x 60"	Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	992.70	39.99
11 41 33 00-0408	EA	24" x 72"	Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,129.51	40.60
11 41 33 00-0409 86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)					
11 41 33 00-0410	EA	18" x 36"	Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	739.81	38.15
11 41 33 00-0411	EA	18" x 48"	Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	809.16	38.76
11 41 33 00-0412	EA	18" x 60"	Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	900.98	39.37
11 41 33 00-0413	EA	18" x 72"	Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	956.79	39.99
11 41 33 00-0414	EA	24" x 36"	Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	854.60	38.76
11 41 33 00-0415	EA	24" x 48"	Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	923.43	39.37
11 41 33 00-0416	EA	24" x 60"	Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,015.24	39.99
11 41 33 00-0417	EA	24" x 72"	Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,152.03	40.60
11 41 33 00-0418 Stainless Steel Shelving Unit (11 41 33 00-0001)					
11 41 33 00-0419 63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)					
11 41 33 00-0420	EA	18" x 36"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	771.23	38.15
11 41 33 00-0421	EA	18" x 48"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	897.04	38.76
11 41 33 00-0422	EA	18" x 60"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,056.00	39.37
11 41 33 00-0423	EA	18" x 72"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,222.47	39.99
11 41 33 00-0424	EA	24" x 36"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	907.57	38.76
11 41 33 00-0425	EA	24" x 48"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,051.86	39.37
11 41 33 00-0426	EA	24" x 60"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,240.95	39.99
11 41 33 00-0427	EA	24" x 72"	Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,490.67	40.60
11 41 33 00-0428 74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)					
11 41 33 00-0429	EA	18" x 36"	Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	797.61	38.15
11 41 33 00-0430	EA	18" x 48"	Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	923.42	38.76
11 41 33 00-0431	EA	18" x 60"	Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,086.13	39.37
11 41 33 00-0432	EA	18" x 72"	Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,248.84	39.99
11 41 33 00-0433	EA	24" x 36"	Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	933.95	38.76
11 41 33 00-0434	EA	24" x 48"	Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,078.23	39.37
11 41 33 00-0435	EA	24" x 60"	Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,267.31	39.99
11 41 33 00-0436	EA	24" x 72"	Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,517.05	40.60
11 41 33 00-0437 86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)					
11 41 33 00-0438	EA	18" x 36"	Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	823.98	38.15
11 41 33 00-0439	EA	18" x 48"	Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	949.79	38.76
11 41 33 00-0440	EA	18" x 60"	Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,112.50	39.37
11 41 33 00-0441	EA	18" x 72"	Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,275.21	39.99
11 41 33 00-0442	EA	24" x 36"	Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	960.31	38.76
11 41 33 00-0443	EA	24" x 48"	Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,104.61	39.37
11 41 33 00-0444	EA	24" x 60"	Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,293.69	39.99
11 41 33 00-0445	EA	24" x 72"	Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,543.42	40.60
11 41 33 00-0446 63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)					
11 41 33 00-0447	EA	18" x 36"	Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,477.58	38.15
11 41 33 00-0448	EA	18" x 48"	Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,634.45	38.76
11 41 33 00-0449	EA	18" x 60"	Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,842.78	39.37
11 41 33 00-0450	EA	18" x 72"	Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,968.51	39.99
11 41 33 00-0451	EA	24" x 36"	Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,771.75	38.76
11 41 33 00-0452	EA	24" x 48"	Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,088.49	39.37
11 41 33 00-0453	EA	24" x 60"	Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,319.44	39.99
11 41 33 00-0454	EA	24" x 72"	Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,664.92	40.60
11 41 33 00-0455 74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)					
11 41 33 00-0456	EA	18" x 36"	Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,522.55	38.15
11 41 33 00-0457	EA	18" x 48"	Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,682.15	38.76
11 41 33 00-0458	EA	18" x 60"	Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,894.17	39.37
11 41 33 00-0459	EA	18" x 72"	Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,022.03	39.99

11 Equipment**11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

11 41 33 00-0460	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,816.74	38.76
11 41 33 00-0461	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,133.46	39.37
11 41 33 00-0462	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,366.95	39.99
11 41 33 00-0463	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,716.31	40.60

11 41 33 00-0464 86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit (11 41 33 00-0418)

11 41 33 00-0465	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,567.55	38.15
11 41 33 00-0466	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,726.27	38.76
11 41 33 00-0467	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,937.18	39.37
11 41 33 00-0468	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,064.44	39.99
11 41 33 00-0469	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,861.72	38.76
11 41 33 00-0470	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,178.46	39.37
11 41 33 00-0471	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,410.49	39.99
11 41 33 00-0472	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,757.60	40.60

11 41 33 00-0473 Galvanized Steel Dunnage Rack (11 41 33 00-0001)

11 41 33 00-0474	EA	18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	272.64	27.43
11 41 33 00-0475	EA	18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	287.45	28.19
11 41 33 00-0476	EA	18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	304.35	28.96
11 41 33 00-0477	EA	18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	335.82	29.72
11 41 33 00-0478	EA	18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	363.11	30.48
11 41 33 00-0479	EA	24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	293.47	27.43
11 41 33 00-0480	EA	24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	320.78	28.19
11 41 33 00-0481	EA	24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	337.68	28.96
11 41 33 00-0482	EA	24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	367.06	29.72
11 41 33 00-0483	EA	24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	400.60	30.48

11 41 33 00-0484 Stainless Steel Dunnage Rack (11 41 33 00-0001)

11 41 33 00-0485	EA	18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	738.43	28.96
11 41 33 00-0486	EA	18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	926.77	29.72
11 41 33 00-0487	EA	18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,569.08	30.48
11 41 33 00-0488	EA	24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	808.08	28.96
11 41 33 00-0489	EA	24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	1,007.42	29.72
11 41 33 00-0490	EA	24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,711.41	30.48

11 41 33 00-0491 Mobile Racks (11 41 33 00-0001)

11 41 33 00-0492	EA	Mobile Rack With Pan Slide.....	2,044.71	46.19
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11 41 33 00-0493 Can Racks (11 41 33 00-0001)

11 41 33 00-0494	EA	27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack	4,169.26	46.19
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Note: 156 #10 cans capacity

11 42 Food Preparation Equipment (11 40)**11 42 13 Food Preparation Appliances (11 42)****11 42 13 00-0001 Vertical Cutter Mixers (11 42 13)**

11 42 13 00-0002	EA	Bench Type Mixers, 25 Quart	12,025.82	247.29
11 42 13 00-0003	EA	Bench Type Mixers, 40 Quart	13,898.94	274.77
11 42 13 00-0004	EA	Bench Type Mixers, 80 Quart	17,265.22	395.67
11 42 13 00-0005	EA	Bench Type Mixers, 130 Quart	19,293.48	494.59

11 42 13 00-0006 Choppers (11 42 13)

11 42 13 00-0007	EA	Choppers, 5 Lb.	3,043.94	219.82
11 42 13 00-0008	EA	Choppers, 16 Lb.	4,464.07	285.76
11 42 13 00-0009	EA	Choppers, 35 LB - 40 Lb./Min, 2 HP	7,139.99	312.47
11 42 13 00-0010	EA	Choppers, 35 LB - 40 Lb./Min, 3 HP	8,095.24	312.47

11 42 13 00-0011 Stand Model Mixer (11 42 13)

11 42 13 00-0012	EA	10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10).....	1,402.42	108.11
11 42 13 00-0013	EA	20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,741.82	108.11
11 42 13 00-0014	EA	10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	4,579.15	108.11
11 42 13 00-0015	EA	20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1).....	9,643.00	104.41

11 42 13 00-0016 Floor Model Mixer (11 42 13)

11 42 13 00-0017	EA	30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30).....	3,608.48	108.11
11 42 13 00-0018	EA	40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40).....	4,990.11	120.15
11 42 13 00-0019	EA	60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60).....	8,583.76	135.15
11 42 13 00-0020	EA	30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1).....	18,335.90	104.41

Equipment			11
Foodservice Equipment			11 40
Food Preparation Equipment			11 42

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
11 42 13 00-0021	EA	40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1)	22,512.81		107.16
11 42 13 00-0022	EA	60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1)	28,674.27		109.91
11 42 13 00-0023	EA	80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1)	42,347.07		137.38
11 42 13 00-0024	EA	140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	54,244.14		175.86
11 42 13 00-0025 Slicers (11 42 13)					
11 42 13 00-0026	EA	1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312)	722.34		33.79
11 42 13 00-0027	EA	1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512)	1,048.43		33.79
11 42 13 00-0028	EA	1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN)	1,506.78		33.79
11 42 13 00-0029	EA	1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A)	2,554.42		33.79
11 42 13 00-0030	EA	3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A)	2,816.33		33.79
11 42 13 00-0031	EA	1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11)	7,046.79		33.79
11 42 13 00-0032 Peelers (11 42 13)					
11 42 13 00-0033	EA	22 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-10)	3,803.34		178.60
11 42 13 00-0034	EA	44 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-20)	4,392.89		208.28
11 42 13 00-0035	EA	66 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-30)	6,810.47		238.17
11 42 13 00-0036	EA	20 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6115)	6,075.65		178.60
11 42 13 00-0037	EA	40 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6430-1)	12,310.10		208.28
11 42 13 00-0038	EA	60 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6460-1)	13,111.74		238.17
11 42 13 00-0039 Proof Boxes (11 42 13)					
11 42 13 00-0040	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box	3,219.97		83.66
11 42 13 00-0041	EA	30-1/2" x 45", Stainless Steel Proof Box	5,388.00		140.21
11 42 13 00-0042	EA	30-1/2" x 45", Galvanized Proof Box	3,364.21		63.65
11 42 13 00-0043 Non-Insulated Heated Proof Cabinet (11 42 13)					
11 42 13 00-0044	EA	Angle Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	2,298.45		80.17
11 42 13 00-0045	EA	Angle Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	2,465.62		85.72
11 42 13 00-0046	EA	Channel Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	2,282.85		79.53
11 42 13 00-0047	EA	Channel Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	2,419.52		84.31
11 42 13 00-0048 Insulated Heated Proof Cabinet (11 42 13)					
11 42 13 00-0049	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	3,768.27		155.13
11 42 13 00-0050	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet	3,937.90		162.17
11 42 13 00-0051 Pass-Thru Hot Food Holding Cabinet (11 42 13)					
11 42 13 00-0052	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet	7,756.33		230.81
11 42 13 00-0053	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet	8,252.72		230.81
11 42 13 00-0054	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet	10,540.30		241.79
11 42 13 00-0055	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	11,554.31		241.79
11 42 16 Food Preparation Surfaces (11 42)					
11 42 16 00-0001 Tables (11 42 16)					
11 42 16 00-0002 Baker's Table (11 42 16 00-0001)					
11 42 16 00-0003	EA	4' Open Base Baker's Table	874.93		69.16
11 42 16 00-0004	EA	10' Open Base Baker's Table	1,717.20		135.60
11 42 16 00-0005	EA	10' Under Shelf Baker's Table	2,118.76		167.33
11 42 16 00-0006	EA	10' Three Drawers Baker's Table	2,272.53		179.67
11 42 16 00-0007	EA	10' Bins Baker's Table	3,343.51		264.42
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table	5,250.21		415.07
11 42 16 00-0009 Preparation Table, Stainless Steel, With Under Shelf (11 42 16 00-0001)					
11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Under Shelf	1,187.09		36.47
11 42 16 00-0011	EA	30" x 72" Marine Edge Stainless Steel Preparation Table With Under Shelf	1,280.33		43.80
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Under Shelf	1,933.70		59.53
11 42 16 00-0013 Preparation Table, Stainless Steel, With Open Front (11 42 16 00-0001)					
11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	1,249.94		38.37
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	1,606.53		49.36
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	1,380.01		42.45
11 42 16 00-0017	EA	36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front	1,661.08		51.12
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front	335.56		10.30
11 42 16 00-0019 Mobile Tables (11 42 16 00-0001)					
11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	3,225.14		32.68
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	1,746.79		39.19
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	1,430.40		44.07

11 Equipment**11 40 Foodservice Equipment****11 42 Food Preparation Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 42 16 00-0023		Hot Food Tables, Stainless Steel, Gas Or Electric (11 42 16 00-0001)		
11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	2,554.66	78.65
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	2,072.13	63.73
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables	172.00	5.29
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables	251.64	7.73
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables	5,026.44	131.04
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables	9,999.88	261.43

11 42 16 00-0030		Basic Table (11 42 16 00-0001)		
11 42 16 00-0031	LF	Table, Basic	290.04	25.68

11 42 16 00-0032		Table With Sink (11 42 16)		
11 42 16 00-0033	LF	Table With Sink	373.21	49.81

11 42 23 Food Preparation Scullery Sinks (11 42)

11 42 23 00-0001		Stainless Steel Scullery Sinks (11 42 23)		
		Note: Excludes faucet. See CSI section 22 42 39 00-0092 for service sink faucets.		
11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drain Board	2,710.94	209.03
		For Additional Drain Board, Add	247.21	
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drain Board	3,836.88	238.88
		For Additional Drain Board, Add	353.83	
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drain Board	5,084.30	238.88
		For Additional Drain Board, Add	472.60	
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drain Board	7,259.12	238.88
		For Additional Drain Board, Add	678.14	
11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drain Board	4,490.90	238.88
11 42 23 00-0007	EA	33-1/2" Wide x 66" Long, Stainless Steel Scullery Sink, Triple Compartment	7,810.54	455.17
		Note: 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0008	EA	33" Wide x 99" Long, Stainless Steel Scullery Sink, Triple Compartment	7,669.82	462.83
		Note: With left and right table drain board extensions and 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0009	EA	33-1/2" Wide x 82-1/2" Long, Stainless Steel Scullery Sink, Triple Compartment	7,344.24	462.83
		Note: With left or right table drain board extensions and 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0010	EA	23-1/2" Wide x 21" Long, Stainless Steel Scullery Sink, Single Compartment	3,860.54	253.92
		Note: 6" backsplash with 45-degree return angle, rolled edges.		
11 42 23 00-0011	EA	23-1/2" Wide x 36-1/2" Long, Stainless Steel Scullery Sink, Single Compartment	4,158.53	253.92
		Note: With left or right 18" table drain board extension and 6" backsplash with 45-degree return angle, rolled edges.		
11 42 23 00-0012	EA	23-1/2" Wide x 42-1/2" Long, Stainless Steel Scullery Sink, Single Compartment	4,337.88	253.92
		Note: With left or right 24" table drain board extension and 6" backsplash with 45-degree return angle, rolled edges.		
11 42 23 00-0013	EA	36" Wide, Double 21" Length x 18" Width x 14" Depth Compartment, 16 Gauge, Stainless Steel Scullery Sink (Advance Tabco 4-2-36-X)	1,465.28	209.03
11 42 23 00-0014	EA	39" Wide, Double 16" Length x 20" Width x 12" Depth, 18 Gauge, Stainless Steel Scullery Sink (Elkay E2C16X20-0X)	1,472.45	209.03
11 42 23 00-0015	EA	54" Wide, Triple 21" Length x 18" Width x 14" Depth Compartment, 16 Gauge, Stainless Steel Scullery Sink (Advance Tabco 4-3-54-X)	1,751.58	238.88

11 44 Food Cooking Equipment (11 40)**11 44 13 Commercial Ranges (11 44)**

11 44 13 00-0001		Range (11 44 13)		
11 44 13 00-0002	EA	Heavy-Duty Range, With 34" Open Top Oven	3,141.15	109.91
11 44 13 00-0003	EA	Range With Fry Top	3,141.15	109.91
11 44 13 00-0004	EA	Steel Finish Fry Top	6,727.64	157.37
11 44 13 00-0005	EA	Stainless Top Only Fry Top	6,724.75	155.57
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top	7,770.57	181.13
11 44 13 00-0007	EA	6 Burner Gas Range (Vulcan #260L)	7,010.45	161.38
		Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel-plated oven racks.		
11 44 13 00-0008	EA	48" Range With Casters (Vulcan 48C-4B24GN)	15,532.69	92.38

11 44 16 Commercial Ovens (11 44)

11 44 16 00-0001		Bake Oven (11 44 16)		
11 44 16 00-0002	EA	55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	20,120.38	470.05
11 44 16 00-0003	EA	55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	20,120.38	470.05
11 44 16 00-0004	EA	74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	27,210.84	470.05
11 44 16 00-0005	EA	74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	27,210.84	470.05
11 44 16 00-0006	EA	55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	38,807.63	537.20
11 44 16 00-0007	EA	55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	38,807.63	537.20
11 44 16 00-0008	EA	74", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	56,681.58	537.20
11 44 16 00-0009	EA	74", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	56,681.58	537.20
11 44 16 00-0010	EA	55", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	61,639.50	671.50
11 44 16 00-0011	EA	55", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	61,639.50	671.50
11 44 16 00-0012	EA	74", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	86,606.31	671.50
11 44 16 00-0013	EA	74", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	86,606.31	671.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0014			Rapid-Cook Countertop Bake Ovens (11 44 16)		
11 44 16 00-0015	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1)	9,386.40	23.10
11 44 16 00-0016	EA		800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM)	5,569.27	23.10
11 44 16 00-0017	EA		4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H)	4,386.32	23.10
11 44 16 00-0018	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1)	6,688.82	23.10
11 44 16 00-0019	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5)	6,961.64	23.10
11 44 16 00-0020	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2)	6,961.64	23.10
11 44 16 00-0021	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500)	6,961.64	23.10
11 44 16 00-0022	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500)	6,961.64	23.10
11 44 16 00-0023	EA		800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500)	6,961.64	23.10
11 44 16 00-0024	EA		1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1)	12,953.37	23.10
11 44 16 00-0025	EA		6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S)	12,009.27	23.10
11 44 16 00-0026	EA		4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V)	6,413.75	23.10
11 44 16 00-0027	EA		3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14)	5,242.12	23.10
11 44 16 00-0028	EA		4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19)	5,700.58	23.10
11 44 16 00-0029	EA		6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601)	13,632.57	23.10
11 44 16 00-0030	EA		5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT)	12,170.02	23.10
11 44 16 00-0031	EA		1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC)	8,511.36	23.10
11 44 16 00-0032	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	17,131.62	23.10
11 44 16 00-0033	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	17,131.62	23.10
11 44 16 00-0034	EA		9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch)	17,765.54	23.10
11 44 16 00-0035	EA		11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL)	17,765.54	23.10
11 44 16 00-0036	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1)	9,419.23	23.10
11 44 16 00-0037	EA		5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1)	9,386.40	23.10
11 44 16 00-0038	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400)	11,450.06	23.10
11 44 16 00-0039	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104)	9,973.92	23.10
11 44 16 00-0040	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI)	11,144.42	23.10
11 44 16 00-0041	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH)	11,686.65	23.10
11 44 16 00-0042	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH)	10,347.48	23.10
11 44 16 00-0043	EA		6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER)	12,579.80	23.10
11 44 16 00-0044	EA		6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH)	13,140.15	23.10
11 44 16 00-0045	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2)	9,928.64	23.10
11 44 16 00-0046	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK)	9,532.43	23.10
11 44 16 00-0047	EA		2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED)	9,532.43	23.10
11 44 16 00-0048	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK)	10,041.84	23.10
11 44 16 00-0049	EA		1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED)	10,041.84	23.10
11 44 16 00-0050	EA		4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1)	10,912.35	23.10
11 44 16 00-0051	EA		8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	14,620.82	23.10
11 44 16 00-0052	EA		8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	14,620.82	23.10
11 44 16 00-0053	EA		8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	15,232.10	23.10
11 44 16 00-0054	EA		8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	15,232.10	23.10
11 44 16 00-0055	EA		10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1)	13,705.02	23.10
11 44 16 00-0056	EA		5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1)	10,302.20	23.10

11 Equipment**11 40 Foodservice Equipment****11 44 Food Cooking Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 44 16 00-0057		Combination Ovens (11 44 16)			
		Note: Convection, steam and combination modes.			
11 44 16 00-0058	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	25,101.87	192.33	
11 44 16 00-0059	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	41,180.78	219.82	
11 44 16 00-0060	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	34,019.82	219.82	
11 44 16 00-0061	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	82,104.17	274.77	
11 44 16 00-0062	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	62,332.18	274.77	
11 44 16 00-0063		Broiler, Without Oven (11 44 16)			
11 44 16 00-0064	EA	69" x 26" x 39" Broiler Without Oven	8,746.62	175.86	
11 44 16 00-0065	EA	Conveyor Broiler	7,766.86	204.10	
11 44 16 00-0066		Oven Stands (11 44 16)			
11 44 16 00-0067	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand)	1,992.66		
11 44 16 00-0068		Countertop Electric Convection Type Ovens (11 44 16)			
11 44 16 00-0069	EA	1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14)	234.51	11.55	
11 44 16 00-0070	EA	1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16)	378.18	11.55	
11 44 16 00-0071	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28)	445.09	11.55	
11 44 16 00-0072	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32)	571.95	11.55	
11 44 16 00-0073	EA	3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,037.07	11.55	
11 44 16 00-0074	EA	3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46)	1,206.21	11.55	
11 44 16 00-0075	EA	1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q)	209.14	11.55	
11 44 16 00-0076	EA	1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H)	344.45	11.55	
11 44 16 00-0077	EA	1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17)	977.07	11.55	
11 44 16 00-0078	EA	1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	889.20	11.55	
11 44 16 00-0079	EA	2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701)	1,207.73	11.55	
11 44 16 00-0080	EA	5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702)	1,956.41	11.55	
11 44 16 00-0081		Electric Convection Type Ovens (11 44 16)			
11 44 16 00-0082	EA	11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100)	4,467.12	46.20	
11 44 16 00-0083	EA	22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK)	8,860.05	92.38	
11 44 16 00-0084	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK)	8,860.05	92.38	
11 44 16 00-0085	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK)	8,860.05	92.38	
11 44 16 00-0086	EA	22 kW, 208 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK)	8,860.05	92.38	
11 44 16 00-0087	EA	24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3)	14,627.71	92.38	
11 44 16 00-0088	EA	12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC55ED-11D1 208/3)	7,313.85	46.20	
11 44 16 00-0089	EA	12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC55ED-12D1 240/1)	7,313.85	46.20	
11 44 16 00-0090	EA	12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-11D1 208/3)	8,027.43	46.20	
11 44 16 00-0091	EA	12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC55ED-11D1 208/1)	7,313.85	46.20	
11 44 16 00-0092	EA	12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC55ED-12D1 240/3)	7,313.85	46.20	
11 44 16 00-0093	EA	25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3)	16,054.87	92.38	
11 44 16 00-0094	EA	11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E)	6,828.61	46.20	
11 44 16 00-0095	EA	22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E)	13,657.23	92.38	
11 44 16 00-0096	EA	24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1)	14,627.71	92.38	
11 44 16 00-0097	EA	21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1)	18,507.41	92.38	
11 44 16 00-0098		Natural Gas Convection Type Ovens (11 44 16)			
11 44 16 00-0099	EA	54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N)	5,137.54	46.20	

			Equipment	11	
			Foodservice Equipment	11 40	↕
			Food Cooking Equipment	11 44	

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
11 44 16 00-0100	EA	108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N).....	10,189.50		92.38
11 44 16 00-0101	EA	100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT).....	17,587.15		92.38
11 44 16 00-0102	EA	100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD).....	16,841.03		92.38
11 44 16 00-0103	EA	100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	15,721.83		92.38
11 44 16 00-0104	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K).....	8,793.57		46.20
11 44 16 00-0105	EA	120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G).....	8,885.96		92.38
11 44 16 00-0106	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S).....	24,585.42		92.38
11 44 16 00-0107	EA	50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G).....	7,860.91		46.20
11 44 16 00-0108	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES).....	21,559.20		92.38
11 44 16 00-0109	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20).....	32,048.91		92.38
11 44 16 00-0110	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS).....	24,585.42		92.38
11 44 16 00-0111	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G).....	20,132.77		92.38
11 44 16 00-0112	EA	90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES).....	17,916.33		92.38
11 44 16 00-0113	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN).....	8,420.51		46.20
11 44 16 00-0114	EA	36" Wide x 58" Height x 41" Depth, Natural Gas Convection Oven (Vulcan 36C-BN)..... <i>For 5" Swivel Plate Casters, Set of 4, Add</i>	9,674.91 654.69		219.82
11 44 16 00-0115 Liquid Propane Convection Type Ovens (11 44 16)					
11 44 16 00-0116	EA	108,000 BTU, 45" Length x 38" Width x 68" Height, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Legs (Cooking Performance Group FGC200L).....	10,189.50		92.38
11 44 16 00-0117	EA	100,000 BTU, 41-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Solid State Controls (Vulcan VC44GD-LP).....	17,587.15		92.38
11 44 16 00-0118	EA	50,000 BTU, 41-1/8" Length x 40-1/4" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Solid State Controls And Legs (Vulcan VC4GD-21D150K).....	8,793.57		46.20
11 44 16 00-0119	EA	100,000 BTU, 45-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Depth Liquid Propane Convection Oven With Solid State Controls (Vulcan VC66GD-LP).....	33,207.61		92.38
11 44 16 00-0120	EA	100,000 BTU, 36-7/8" Length x 38-1/4" Width x 70" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G).....	15,721.83		92.38
11 44 16 00-0121	EA	100,000 BTU, 40-1/8" Length x 40-1/8" Width x 68-5/8" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Vulcan VC55GD LP).....	16,841.03		92.38
11 44 16 00-0122	EA	50,000 BTU, 40-1/8" Length x 40" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Legs (Vulcan VC5GDL).....	8,420.51		46.20
11 44 16 00-0123	EA	50,000 BTU, 36-7/8" Length x 38-1/4" Width x 63" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G).....	7,860.91		46.20
11 44 16 00-0124 Countertop Pizza Oven (11 44 16)					
11 44 16 00-0125	EA	3,700 To 4,800 Watts, 208/240 Volt, Stainless Steel Countertop Pizza Oven, White (TurboChef FIRE WHITE).....	6,383.18		23.10
11 44 16 00-0126 Rotary Deck Pizza Oven (11 44 16)					
11 44 16 00-0127	EA	90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare).....	39,273.46		92.38
11 44 16 00-0128 Triple Conveyor Oven (11 44 16)					
11 44 16 00-0129	EA	30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3)..... Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	62,377.11		184.77
11 44 16 00-0130	EA	30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3)..... Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	62,377.11		184.77
11 44 16 00-0131	EA	22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)..... Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,961.23		184.77
11 44 16 00-0132	EA	22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)..... Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	115,342.15		184.77

11 Equipment**11 40 Foodservice Equipment****11 44 Food Cooking Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
11 44 16 00-0133	EA	22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	115,342.15		184.77
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range			
11 44 16 00-0134	EA	330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	132,961.23		184.77
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range			
11 44 16 00-0135	EA	330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3).....	132,961.23		184.77
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range			
11 44 19 Commercial Cooking Equipment (11 44)					
11 44 19 00-0001 Drop-In Electric Griddle (11 44 19)					
11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle.....	4,407.51		151.13
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle.....	6,267.49		151.13
11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle.....	7,173.30		164.86
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle.....	8,583.05		164.86
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle.....	11,000.47		178.60
11 44 19 00-0007 Countertop Griddle (11 44 19)					
11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N).....	594.78		170.96
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N).....	726.78		170.96
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N).....	803.78		170.96
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N).....	1,000.69		170.96
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716).....	1,082.64		170.96
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717).....	1,376.67		170.96
11 44 19 00-0014 Panini Sandwich Grill (11 44 19)					
11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S).....	647.86		92.38
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78).....	496.02		92.38
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S).....	496.02		92.38
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG).....	496.02		92.38
11 44 19 00-0019	EA	2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B).....	1,018.14		92.38
11 44 19 00-0020 Electric Countertop Fryer, With Basket (11 44 19)					
11 44 19 00-0021	EA	30 Lb. Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202).....	995.65		92.38
11 44 19 00-0022	EA	30 Lb. Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710).....	2,185.15		92.38
11 44 19 00-0023	EA	30 Lb. Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F).....	8,128.98		92.38
11 44 19 00-0024 Electric Floor Fryer, With Basket (11 44 19)					
11 44 19 00-0025	EA	50 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	6,956.98		219.82
11 44 19 00-0026	EA	50 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	7,302.41		219.82
11 44 19 00-0027	EA	85 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	23,323.92		285.76
11 44 19 00-0028	EA	85 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	23,890.76		285.76
11 44 19 00-0029 Natural Gas Floor Fryer, With Basket (11 44 19)					
11 44 19 00-0030	EA	40 Lb. Capacity, 90,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF300).....	1,548.50		147.81
11 44 19 00-0031	EA	50 Lb. Capacity, 120,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF400).....	1,772.23		184.77
11 44 19 00-0032	EA	70 To 100 Lb. Capacity, 150,000 BTU, Natural Gas, Two Basket, Stainless Steel Tube Floor Fryer (Avantco FF518).....	2,553.77		369.54
11 44 19 00-0033 Steam Jacketed Kettles (11 44 19)					
11 44 19 00-0034	EA	12 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T).....	13,568.70		23.10
11 44 19 00-0035	EA	12 Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7).....	12,066.61		23.10
11 44 19 00-0036	EA	3 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T).....	9,593.42		23.10
11 44 19 00-0037	EA	6 Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7).....	10,002.59		23.10
11 44 19 00-0038	EA	60 Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL).....	35,116.36		23.10
11 44 19 00-0039	EA	150 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3).....	61,883.52		92.38
11 44 19 00-0040	EA	100 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403).....	146,333.77		92.38
11 44 19 00-0041	EA	6 Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3).....	32,181.63		92.38
11 44 19 00-0042	EA	6 Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3).....	32,181.63		92.38
11 44 19 00-0043	EA	125 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3).....	58,984.80		92.38
11 44 19 00-0044	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T).....	21,512.37		92.38
11 44 19 00-0045	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403).....	47,466.29		92.38
11 44 19 00-0046	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403).....	59,419.42		92.38
11 44 19 00-0047	EA	60 Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403).....	42,278.05		92.38

		Equipment	11
		Foodservice Equipment	11 40
		Food Cooking Equipment	11 44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0048	EA		40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T).....	39,004.72	92.38
11 44 19 00-0049	EA		40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403).....	120,399.85	92.38
11 44 19 00-0050	EA		60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403).....	124,229.66	92.38
11 44 19 00-0051	EA		100 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP).....	57,903.88	184.77
11 44 19 00-0052	EA		60 Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP).....	40,371.52	184.77
11 44 19 00-0053	EA		40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP).....	57,614.73	184.77
11 44 19 00-0054	EA		80 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP).....	47,871.10	184.77
11 44 19 00-0055	EA		40 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP).....	49,605.97	184.77
11 44 19 00-0056	EA		6 Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP).....	20,864.26	184.77
11 44 19 00-0057	EA		60 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP).....	60,144.29	184.77
11 44 19 00-0058	EA		125 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP).....	59,833.33	184.77
11 44 19 00-0059	EA		80 Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP).....	66,307.26	184.77
11 44 19 00-0060	EA		60 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP).....	44,917.82	184.77
11 44 19 00-0061	EA		12 Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP).....	27,383.65	184.77
11 44 19 00-0062	EA		40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP).....	145,642.01	184.77
11 44 19 00-0063	EA		80 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP).....	48,191.16	184.77
11 44 19 00-0064	EA		60 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT).....	60,144.29	184.77
11 44 19 00-0065	EA		60 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT).....	139,782.74	184.77
11 44 19 00-0066	EA		25 Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT).....	45,925.28	184.77
11 44 19 00-0067	EA		100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT).....	139,402.67	184.77
11 44 19 00-0068	EA		20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT).....	47,498.30	184.77
11 44 19 00-0069	EA		100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT).....	164,589.17	184.77
11 44 19 00-0070	EA		12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT).....	24,961.39	184.77
11 44 19 00-0071	EA		80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT).....	47,871.10	184.77
11 44 19 00-0072	EA		60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT).....	47,607.42	184.77
11 44 19 00-0073	EA		40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT).....	140,186.45	184.77
11 44 19 00-0074	EA		6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT).....	20,864.26	184.77
11 44 19 00-0075	EA		100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT).....	57,903.88	184.77
11 44 19 00-0076	EA		40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T).....	19,995.01	184.77
11 44 19 00-0077	EA		60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT).....	27,096.33	184.77
11 44 19 00-0078	EA		125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125).....	47,401.92	184.77
11 44 19 00-0079	EA		200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200).....	63,244.87	184.77
11 44 19 00-0080	EA		12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12).....	24,677.70	184.77
11 44 19 00-0081	EA		12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6).....	17,150.84	184.77
11 44 19 00-0082	EA		40 Gallon Capacity, Stationary Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL).....	18,229.22	184.77
11 44 19 00-0083	EA		60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH).....	28,409.30	184.77
11 44 19 00-0084	EA		60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL).....	21,238.88	184.77
11 44 19 00-0085	EA		40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40).....	17,212.67	184.77
11 44 19 00-0086	EA		80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F).....	42,866.53	184.77
11 44 19 00-0087	EA		80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T).....	9,293.02	184.77
11 44 19 00-0088	EA		40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F).....	30,189.63	184.77
11 44 19 00-0089	EA		12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T).....	13,008.25	184.77
11 44 19 00-0090	EA		100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100).....	32,611.90	184.77
11 44 19 00-0091	EA		60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60).....	20,420.54	184.77
11 44 19 00-0092			Steamers, Electric (11 44 19)		
11 44 19 00-0093			Cooking Equipment/ Steamers (11 44 19 00-0092)		
11 44 19 00-0094	EA		3 Pan, Electric Countertop Convection Steamer.....	9,551.95	230.81
11 44 19 00-0095	EA		5 Pan, Electric Countertop Convection Steamer.....	12,582.39	241.79
11 44 19 00-0096	EA		3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	8,837.46	230.81
11 44 19 00-0097	EA		5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	12,890.89	241.79
11 44 19 00-0098			Braising Pans (11 44 19)		
11 44 19 00-0099	EA		24" x 24", 240 Volt, Tilting Braising Pan.....	10,391.22	225.03
11 44 19 00-0100	EA		24" x 31", 240 Volt, Tilting Braising Pan.....	10,965.54	236.64

11 Equipment**11 40 Foodservice Equipment****11 44 Food Cooking Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 44 19 00-0101	EA	24" x 41", 240 Volt, Tilting Braising Pan.....	11,679.15	252.01
11 44 19 00-0102	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	13,546.20	293.45
11 44 19 00-0103	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	14,007.63	302.49
11 44 19 00-0104	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	14,552.32	310.49

11 44 19 00-0105 Toasters (11 44 19)

11 44 19 00-0106	EA	Bun Toaster 3.2 KW.....	2,066.98	52.88
11 44 19 00-0107	EA	Bun Toaster 4.3 KW.....	2,255.80	57.63
11 44 19 00-0108	EA	Pop-Up Toaster, 2 Slot	631.04	119.03
11 44 19 00-0109	EA	Conveyor Toaster	1,084.45	178.60

11 44 19 00-0110 Microwave Ovens (11 44 19)

11 44 19 00-0111	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD).....	178.79	11.55
11 44 19 00-0112	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB).....	196.09	11.55
11 44 19 00-0113	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS).....	253.76	11.55
11 44 19 00-0114	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D).....	322.96	11.55
11 44 19 00-0115	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T).....	403.69	11.55
11 44 19 00-0116	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS).....	253.76	11.55
11 44 19 00-0117	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS).....	295.86	11.55
11 44 19 00-0118	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE).....	521.35	11.55
11 44 19 00-0119	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS).....	635.53	11.55
11 44 19 00-0120	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy-Duty Commercial Microwave With Push Button Controls (Amana HDC12A2).....	1,331.00	11.55
11 44 19 00-0121	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830).....	368.87	11.55
11 44 19 00-0122	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819).....	501.80	11.55
11 44 19 00-0123	EA	120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90).....	386.41	11.55
11 44 19 00-0124	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F).....	340.27	11.55
11 44 19 00-0125	EA	120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F).....	656.29	11.55
11 44 19 00-0126	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025).....	305.67	11.55
11 44 19 00-0127	EA	120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T).....	633.22	11.55
11 44 19 00-0128	EA	120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy-Duty Stainless Steel Microwave (Solwave MWHD12).....	702.42	11.55
11 44 19 00-0129	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523).....	1,176.45	11.55
11 44 19 00-0130	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521).....	1,092.26	11.55
11 44 19 00-0131	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS).....	1,284.86	11.55
11 44 19 00-0132	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521).....	1,204.13	11.55
11 44 19 00-0133	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523).....	1,351.76	11.55
11 44 19 00-0134	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180).....	3,640.58	11.55
11 44 19 00-0135	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-through Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280).....	4,823.92	11.55
11 44 19 00-0136	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS).....	1,507.46	11.55
11 44 19 00-0137	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy-Duty, 2 Pan Programmable Microwave (Amana AMSO22).....	4,694.17	11.55
11 44 19 00-0138	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana AOC24).....	2,898.40	11.55
11 44 19 00-0139	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy-Duty Microwave (Solwave MWHD18).....	783.16	11.55
11 44 19 00-0140	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T).....	829.29	11.55
11 44 19 00-0141	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy-Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21).....	886.96	11.55
11 44 19 00-0142	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC17S2).....	2,130.27	11.55
11 44 19 00-0143	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T).....	713.96	11.55
11 44 19 00-0144	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana HDC182).....	1,559.36	11.55
11 44 19 00-0145	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy-Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815).....	1,569.74	11.55
11 44 19 00-0146	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120).....	1,464.79	11.55

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0147 EA 208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave (Amana HDC212)	1,632.02	11.55
11 44 19 00-0148 EA 208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Panasonic NE-21521)	1,476.32	11.55
11 44 19 00-0149 EA 208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC22S2)	2,659.66	11.55
11 44 19 00-0150 EA 208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC30S2)	3,490.07	11.55
11 44 19 00-0151 Ceramic Broiler On Storage Base With Doors (11 44 19)		
11 44 19 00-0152 EA Standard Finish Ceramic Boiler On Storage Base With Doors	8,561.75	184.49
11 44 19 00-0153 EA Stainless Steel Front Ceramic Boiler On Storage Base With Doors	8,561.75	184.49
11 44 19 00-0154 EA Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	10,641.28	230.32
11 44 19 00-0155 Gas Countertop Hot Plate (11 44 19)		
11 44 19 00-0156 EA 2 Burners Gas Countertop Hot Plate	1,091.53	23.50
11 44 19 00-0157 Food Service Additions (11 44 19)		
11 44 19 00-0158 EA 30" Diameter, Natural Gas, Cooktop With Electric Controls (Affinity 30Ge)	8,064.29	23.24
11 44 19 00-0159 EA Heavy-Duty Stainless Steel Heated Under Counter Cabinet With Adjustable Thermostat, Digital Indicator, Chrome Plated Reals And Wire Shelves (Alto Shaam 500-S)	5,295.84	183.55
11 44 19 00-0160 EA Oven-Combination Heated Holding Cabinet (Alto Shaam CTP20-10)	52,285.98	
11 44 19 00-0161 EA 1000 Watt, 1.2 CF, 14" Platter Capacity, Programmable, Commercial Grade, Stainless Steel, Microwave-oven (Amana RCS10TS)	1,055.67	12.01
11 44 19 00-0162 EA 1000 Watts, Programmable Power Level, Commercial Grade, Stainless Steel, Microwave-oven (Amana RMS10TS)	613.72	12.01
11 44 19 00-0163 EA 48" W x 24-1/2" D x 8" H, Single Deck, Gas Fired, Stainless Steel, Caster Mounted, Pizza Oven (Bakers Pride 3151)	18,369.76	164.86
11 44 19 00-0164 EA 120 Volt, 14.9 Amperes, 20" W, 6 Gallon Capacity Water Bath, Sparkling And Still Water Dispenser (Blupura/Crystallize BLUBAR COUNTERTOP 80)	8,690.96	317.63
11 44 19 00-0165 EA 1/3 HP, 120 Volt, 60 Hz, 15 Amperes, Top Opening, Self Contained Refrigerated System (Blupura/Crystallize FONTEMAGNA BRIDGE)	5,922.69	317.63
11 44 19 00-0166 EA Broiler Less, Programmable, Stainless Steel, Convotherm Electric Oven-streamer (Cleveland OES-10.20)	20,540.57	230.81
11 44 19 00-0167 EA 115 VAC, 60 Hz, Forced Air Gas Combustion With Auto Ignition, Stainless Steel Skillet With Spring Assist Cover (Cleveland SGL-30-T1/Sgl-40-T1)	37,486.08	251.75
11 44 19 00-0168 EA 50 PSI, Water-resistant, Stationary Trileg Tilting Steam Jacketed Kettle (Cleveland / Groen KDL)	32,171.30	129.10
11 44 19 00-0169 EA Top Mounted, Insulated Heated Cabinet With Magnetic Latch Door (Crescor H-137-PWSUA-12C - 12c is discontinued hw-137-pwsua-12d is new model)	19,453.14	58.19
11 44 19 00-0170 EA 6 Gallon, 1/5 HP, Bottom Mounted, Ice-Cream Dipping Cabinet (Delfield N255)	5,201.18	293.06
11 44 19 00-0171 EA 3/4" Diameter, 36" Length, Moveable Gas Connector Kit (Dormont 1675KIT)	294.86	23.89
11 44 19 00-0172 EA 1/4 HP, Stainless Steel, Mechanically Cooled Cold Food Unit (Duke AeroServ 316-25SS-N7)	10,262.39	324.42
11 44 19 00-0173 EA 20", 3/8" Thick, Stainless Steel, Heavy-Duty Mounting, Tempered Glass (English Mfg. M-107)	13,995.00	12.01
11 44 19 00-0174 EA 1,350 Lb., Stainless Steel, Elevated Ice Storage And Transport System (Follet Corporation ITS1350SG-60)	20,009.87	161.67
11 44 19 00-0175 EA Gas Fired Pasta Cooker (Frymaster GPCRB-SC)	25,112.46	156.22
11 44 19 00-0176 EA Stainless Steel, Anti-microbial, Vegetable Cutter (Globe A420VH)	1,105.86	5.54
11 44 19 00-0177 EA 5 kw Tank Heater, 1 HP Self-draining Pump, Electronic Automatic Control, Stainless Steel, Dishwasher (Hobart AM-15T)	26,541.69	227.01
11 44 19 00-0178 EA Stainless Steel, Electric Dryer Interlocked With Washer To Start (Hobart Cle (BDELRAx-STDDOM))	23,263.12	194.58
11 44 19 00-0179 EA 1/2 HP, Medium Duty, Built-in Sharpener With 12" Blade (Hobart Edge 7510)	3,650.40	158.27
11 44 19 00-0180 EA 20 Quart, Countertop Mounted, Stainless Steel Bowl (Hobart HL200)	11,206.13	274.77
11 44 19 00-0181 EA Electronic Control, Stainless Steel Dishwasher (Hobart LXI/LXiH new model is Lxeh)	17,921.40	227.01
11 44 19 00-0182 EA 27" x 32" x 26-3/4" H, Stainless Steel, Single Shelf Mixer Table (Hobart TABLE-HL2012)	3,546.31	59.39
11 44 19 00-0183 EA Remote Air-Cooled, Stainless Steel, Ice Maker (Hoshizaki America KM-2100)	16,947.48	247.29
11 44 19 00-0184 EA Anti-microbial, Individual Crescent Cube, Stainless Steel, Ice Maker (Hoshizaki America KM-2100/2500S_H3)	18,604.82	247.29
11 44 19 00-0185 EA 2,400 BTU, 1/3 HP, Air-Cooled, Stainless Steel, Leg Mounted, Under Counter Ice Maker (Hoshizaki America F-330BAJ-c)	7,470.78	219.82
11 44 19 00-0186 EA 24" Wide, Energy Efficient, Stainless Steel, Built-in Dishwasher (Kenmore 14743)	1,488.55	92.38
11 44 19 00-0187 EA 3.7 CF, 27"W x 29-1/4"D x 39"H, Energy Efficient, Full Size, White Front-loading Washing Machine (Kenmore 41272)	2,147.44	92.38
11 44 19 00-0188 EA 30" Wide, Slide In, Electric Coil, Black Top, Stainless Steel, Electric Range (Kenmore 46762)	2,494.98	92.38
11 44 19 00-0189 EA 15.0 CF, Top Freezer Compartment With Self Defrosting, Reversible Door, White Refrigerator (Kenmore 60302)	994.38	46.20
11 44 19 00-0190 EA 30" Stainless Steel, Vent Less Range Hood (Kenmore 22-51840)	417.82	69.29
11 44 19 00-0191 EA 22.89 CF, 33" W x 66 1/2" H x 34 3/4" D, Tall Through-the-door Dispenser With Light And Ultra Ice® Stainless Steel Water Filtration System With Indicator Light (Kenmore 46-51313)	1,709.22	46.20
11 44 19 00-0192 EA Gas Fired, Adjustable Conveyor Speed, Single Level, Dual Air Return, Stainless Steel, Conveyor Oven (Middleby Marshall PS636G-1)	32,498.36	164.86
11 44 19 00-0193 EA Stainless Steel, Gas Fired, Standing Pilot, Conventional Oven (Montague 124-5)	11,355.70	92.38
11 44 19 00-0194 EA 3/4" Thick, 36" Flat-top, 100,000 BTU, Manual Control, Heavy-Duty Range (Montague 136-8)	16,523.48	151.13
11 44 19 00-0195 EA 3/4" Thick Flat Top, 80,000 BTU, Thermostatic Control, Heavy-Duty Range (Montague C36-8T)	16,599.44	151.13
11 44 19 00-0196 EA 36", 114,000 BTU, Low Profile, Heavy-duty Counter Top With Six Burners (Montague Gas Range V136LB/UFLC-36R)	38,607.09	109.91
11 44 19 00-0197 EA 24", 140,000 BTU, Gas Fired, Standing Pilot, Stainless Steel, Convection Oven With Four 12" Burners (Montague Legend 124-5)	11,493.69	161.38
11 44 19 00-0198 EA 36", 110,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Two Round French Style Hot Tops (Montague Legend 136-9A)	14,105.06	186.84
11 44 19 00-0199 EA 225,000 BTU, Gas fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Six Burners (Montague Legend V136-5)	14,105.06	186.84
11 44 19 00-0200 EA 36", 165,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Four Burners (Montague Legend V136-5A)	14,105.06	186.84
11 44 19 00-0201 EA 63,000 BTU, Gas Fired, Double Deck, Stainless Steel, Convection Oven (Montague Vectaire HX2-63A)	32,101.00	219.82
11 44 19 00-0202 EA Ultra Continuous Feed Combination Food Processor. (Robot Coupe R 2 N)	2,315.99	269.82
11 44 19 00-0203 EA Low Noise, Aluminum Alloy, Water Cooled Motor (Salvajor 750)	5,207.84	69.29
11 44 19 00-0204 EA Low Flow, Backflow Prevention, Stainless Steel, Trough Collector (Salvajor S419)	14,133.33	257.88

11 Equipment**11 40 Foodservice Equipment****11 44 Food Cooking Equipment**

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
11 44 19 00-0205	EA	92 GPH, Electronic Automatic Control, Stainless Steel, Dishwasher (Stero SDR-A-PKG)	30,784.44		194.58
11 44 19 00-0206	EA	3-phase, Microprocessor Controlled, Air-cooled, Stainless Steel, Freezer (Taylor C723)	18,162.44		46.20
11 44 19 00-0207	EA	52-1/8"L x 35"D x 83-1/4"H, 1/3 HP, Microprocessor Controlled, Reach-in, Caster Mounted, Refrigerator (Traulsen G2000)	8,638.15		230.81
11 44 19 00-0208	EA	120 VAC, Wet Operation Only, Single Well, Round, Deep Drawn Stainless Steel, Cook'N Hold Built-in Food Warmer With Drain (Wells HW106D).....	1,584.59		230.81
11 44 19 00-0209	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD300DM).....	3,880.76		230.81
11 44 19 00-0210	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD400DM).....	5,444.69		230.81
11 44 19 00-0211	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD500DM).....	6,604.83		230.81
11 44 19 00-0212	EA	Adjustable Radiant Flame, Thermostatically Controlled, Hearth Pizza Oven (Woodstone WS-FD-6045-RFG-L-IR-NG).....	49,785.91		109.91
11 44 19 00-0213 Other Kettles (11 44 19)					
11 44 19 00-0214	EA	20 QT Trunion Kettle With Stand (Groen TDC/320)	4,881.46		129.10
11 44 19 00-0215	EA	40 QT Trunion Kettle With Stand (Groen TDA/140).....	7,661.08		129.10
11 44 19 00-0216 Charbroilers (11 44 19)					
11 44 19 00-0217	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Lava Briquette Charbroiler (Cooking Performance Group CBL24).....	902.31		92.38
11 44 19 00-0218	EA	40,000 BTU, 26-13/16" Length x 15" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR15)	748.25		123.15
11 44 19 00-0219	EA	70,000 BTU, 27-1/2" Length x 24" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG24RC)	520.18		92.38
11 44 19 00-0220	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR24)	942.29		105.60
11 44 19 00-0221	EA	80,000 BTU, 26-13/16" Length x 24" Width x 41-5/16" Height, Radiant Charbroiler With Storage Base (Cooking Performance Group 24CBRSBNL).....	1,552.68		105.60
11 44 19 00-0222	EA	105,000 BTU, 27-1/2" Length x 36" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG36RC)	963.93		123.15
11 44 19 00-0223	EA	120,000 BTU, 26-13/16" Length x 36" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR36)	1,235.21		123.15
11 44 19 00-0224	EA	120,000 BTU, 32-1/8" Length x 36-3/8" Width x 40-13/16" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRRBNL).....	2,925.71		147.81
11 44 19 00-0225	EA	120,000 BTU, 36-3/8" Length x 32-1/8" Width x 24-1/2" Height, Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRLBNL).....	2,939.27		147.81
11 44 19 00-0226	EA	120,000 BTU, 26-13/16" Length x 36" Width x 41-5/16" Height, Gas Radiant Charbroiler With Cabinet Base (Cooking Performance Group 36CBRSBNL).....	1,832.03		123.15
11 44 19 00-0227	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCLBNL).....	4,173.61		147.81
11 44 19 00-0228	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCRBNL).....	4,160.04		147.81
11 44 19 00-0229	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24 1/2" Height, Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GMCBRNL).....	3,915.89		147.81
11 44 19 00-0230	EA	160,000 BTU, 26-13/16" Length x 48" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR48)	1,670.34		184.77
11 44 19 00-0231	EA	160,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 48CBRRBNL).....	3,352.29		184.77
11 44 19 00-0232	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler (Cooking Performance Group CBR60-NG(CPG))	2,063.70		184.77
11 44 19 00-0233	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler With 4 Drawer Refrigerated Chef Base (Cooking Performance Group 60CBRRBNL).....	4,166.13		184.77
11 46 Food Dispensing Equipment (11 46)					
11 46 13 Bar Equipment (11 46)					
11 46 13 00-0001 Soft Serve Machines (11 46 13)					
11 46 13 00-0002	EA	Soft Serve Machines, Medium	13,601.60		129.91
11 46 13 00-0003	EA	Soft Serve Machines, Large.....	22,942.72		158.71
11 46 13 00-0004 Salad Bars (11 46 13)					
11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height.....	14,071.67		500.27
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height.....	12,905.75		500.27
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height.....	9,077.52		274.86
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height.....	7,178.81		225.80
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height.....	10,906.10		331.28
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	12,015.47		293.45
11 46 13 00-0011	EA	Salad Bar Tray Fixed	1,715.11		49.70
11 46 13 00-0012	EA	Salad Bar Tray Hinged.....	1,824.80		49.70
11 46 16 Service Line Equipment (11 46)					
11 46 16 00-0001 Food Warmer Holding Station (11 46 16)					
11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp.....	763.70		19.52
11 46 16 00-0003 Reach-In Food Warmers (11 46 16)					
11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer.....	1,643.44		42.03
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	3,760.93		96.27

Equipment		11
Foodservice Equipment		11 40
Food Dispensing Equipment		11 46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0006			Countertop Food Warmer (11 46 16)		
11 46 16 00-0007	EA		12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	212.03	33.79
11 46 16 00-0008	EA		12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	185.58	33.79
11 46 16 00-0009	EA		12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	573.22	33.79
11 46 16 00-0010	EA		12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3)	395.22	33.79
11 46 16 00-0011			Hot Cabinets With Top Wells Electric (11 46 16)		
11 46 16 00-0012	EA		2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	8,754.97	184.49
11 46 16 00-0013	EA		3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	12,508.53	264.40
11 46 16 00-0014			Portable Hot Food Units (11 46 16)		
11 46 16 00-0015	EA		46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	5,464.56	
11 46 16 00-0016	EA		60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	6,258.84	
11 46 16 00-0017	EA		74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	7,074.94	
11 46 16 00-0018			Stationary Hot Food Units (11 46 16)		
11 46 16 00-0019	EA		46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,656.75	37.57
11 46 16 00-0020	EA		61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,222.60	43.25
11 46 16 00-0021	EA		76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,767.15	55.39
11 46 16 00-0022			Serving Counters (11 46 16)		
11 46 16 00-0023	LF		11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	119.49	44.84
11 46 16 00-0024	LF		11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	155.01	68.69
11 46 16 00-0025			Drop-In Equipment (11 46 16)		
11 46 16 00-0026	EA		Hot Food Well, Rectangular	598.13	142.88
11 46 16 00-0027	EA		Hot Food Well, Circular	549.33	142.88
11 46 16 00-0028	EA		Refrigerated Well, 2 Compartment	1,931.38	142.88
11 46 16 00-0029	EA		Refrigerated Well, 3 Compartment	2,193.52	158.71
11 46 16 00-0030	EA		Refrigerated Well, 4 Compartment	2,491.81	178.60
11 46 16 00-0031	EA		Frost Cold Plate	2,294.26	158.71
11 46 16 00-0032			Beverage Dispensing (11 46 16)		
11 46 16 00-0033	EA		Coffee Urn, Twin 3 Gallon	3,745.66	231.67
11 46 16 00-0034	EA		Coffee Urn, Twin 6 Gallon	5,334.21	324.30
11 46 16 00-0035	EA		Coffee Brewer, 5 Burner	1,561.47	231.67
11 46 16 00-0036	EA		Hot Chocolate Dispenser	1,516.33	190.82
11 46 16 00-0037	EA		Iced Tea Brewer	2,211.85	190.82
11 46 16 00-0038	EA		Juice Dispenser (Concentrate)	1,610.62	317.20
11 46 16 00-0039	EA		Jet Spray Dispenser	2,282.32	317.53
11 46 16 00-0040	EA		Milk Dispenser, Bulk, 2 Flavor	1,914.19	178.60
11 46 16 00-0041	EA		Milk Dispenser, Bulk, 3 Flavor	2,609.71	178.60
11 46 16 00-0042			Dish Dispensers (11 46 16)		
11 46 16 00-0043	EA		Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)	2,026.89	33.79
11 46 16 00-0044	EA		12" Diameter, Drop-in, Dish Dispenser	763.94	32.98
11 46 16 00-0045	EA		Drop-in, Cup And Glass Dispenser	1,298.40	102.54
11 46 16 00-0046	EA		Drop-in, Disposable Cup Dispenser	473.27	23.10
11 46 16 00-0047			Tray And Silver Dispensers (11 46 16)		
11 46 16 00-0048	EA		Tray And Silver Dispensers Mobile	2,989.35	23.10
11 46 16 00-0049			Condiment Dispensers (11 46 16)		
11 46 16 00-0050	EA		Butter Pat Dispenser	172.43	28.91
11 46 16 00-0051	EA		Bread Dispenser, Counter Top	492.13	28.91
11 46 16 00-0052			Sandwich Rack Warmer (11 46 16)		
11 46 16 00-0053	EA		18 Compartment, 2 Tier Sandwich Rack Warmer	3,789.96	155.81
11 46 16 00-0054			Mobile Bread Counter (11 46 16)		
11 46 16 00-0055	EA		Mobile Bread And Roll Counter	8,697.41	350.26
11 46 16 00-0056			Open Service Stand (11 46 16)		
11 46 16 00-0057	EA		6' Open Service Stand	3,334.70	115.55
11 46 16 00-0058	LF		Each Additional Foot Over 6 Foot Add	456.19	15.62

11	11	Equipment
	11 40	Foodservice Equipment
	11 46	Food Dispensing Equipment



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
11 46 16 00-0059				Mobile Serving Stand Unit ^(11 46 16)		
11 46 16 00-0060	EA			36" Mobile Serving Stand Unit	2,913.54	110.51
11 46 16 00-0061	EA			96" Mobile Serving Stand Unit	4,787.19	165.64
11 46 16 00-0062				Reach-In Heated Cabinets ^(11 46 16)		
11 46 16 00-0063	EA			Heated Cabinet, Reach-in, 1 Compartment	5,857.32	183.22
11 46 16 00-0064	EA			Heated Cabinet, Reach-in, 2 Compartment	8,441.10	230.48
11 46 16 00-0065	EA			Heated Cabinet, 1 Compartment, Pass-Through Roll-In	6,131.87	183.22
11 46 16 00-0066	EA			Heated Cabinet, Pass-Through, Roll-In 2 Compartment	8,840.11	230.48
11 46 16 00-0067				Mobile Heated Cabinets ^(11 46 16)		
11 46 16 00-0068	EA			Mobile, Heated Cabinet	6,582.60	57.73
11 46 16 00-0069				Smoothie Machine ^(11 46 16)		
11 46 16 00-0070	EA			Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)	374.79	33.79
11 46 16 00-0071	EA			Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T)	330.43	33.79
11 46 16 00-0072	EA			Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)	397.55	33.79
11 46 16 00-0073	EA			Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)	408.93	33.79
11 46 16 00-0074	EA			Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64)	223.19	33.79
11 46 16 00-0075				Refrigerated Buffet Display Table ^(11 46 16)		
11 46 16 00-0076	EA			35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N)	3,527.26	33.79
11 46 16 00-0077	EA			47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N)	4,669.93	33.79
11 46 16 00-0078	EA			59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N)	5,393.80	33.79
11 46 16 00-0079	EA			71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N)	6,315.27	33.79
11 46 16 00-0080				Refrigerated Bakery Display Case ^(11 46 16)		
11 46 16 00-0081	EA			26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW)	1,938.98	23.10
11 46 16 00-0082	EA			26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB)	2,223.03	23.10
11 46 16 00-0083	EA			26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW)	2,229.58	26.42
11 46 16 00-0084	EA			26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB)	2,418.94	26.42
11 46 16 00-0085	EA			26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW)	2,418.94	26.42
11 46 16 00-0086	EA			26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB)	3,098.93	26.42
11 46 16 00-0087	EA			26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW)	3,098.93	26.42
11 46 16 00-0088	EA			27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW)	3,900.98	30.76
11 46 16 00-0089	EA			27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN)	4,957.08	30.76
11 46 16 00-0090	EA			27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN)	3,900.98	30.76
11 46 16 00-0091	EA			27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW)	4,957.08	30.76
11 46 16 00-0092	EA			27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW)	4,131.83	30.76
11 46 16 00-0093	EA			27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F)	4,131.83	30.76
11 46 16 00-0094	EA			27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN)	4,131.83	30.76
11 46 16 00-0095	EA			27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN)	4,391.00	30.76
11 46 16 00-0096	EA			27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW)	5,581.92	30.76
11 46 16 00-0097	EA			27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW)	4,391.00	30.76
11 46 16 00-0098	EA			27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD)	5,257.12	30.76
11 46 16 00-0099	EA			27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN)	5,581.92	30.76
11 46 16 00-0100	EA			27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW)	5,912.68	30.76
11 46 16 00-0101	EA			27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW)	4,650.78	30.76

		Equipment	11	
		Foodservice Equipment	11 40	
		Food Dispensing Equipment	11 46	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
11 46 16 00-0102	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD).....	5,568.50	30.76
11 46 16 00-0103	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN).....	5,912.68	30.76
11 46 16 00-0104	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN).....	4,650.78	30.76
11 46 16 00-0105	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW).....	6,117.57	30.76
11 46 16 00-0106	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD).....	5,761.46	30.76
11 46 16 00-0107	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN).....	6,117.57	30.76
11 46 16 00-0108	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN).....	6,117.57	30.76
11 46 16 00-0109	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD).....	6,103.26	30.76
11 46 16 00-0110	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB).....	1,959.95	33.62
11 46 16 00-0111	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW).....	6,486.39	33.62
11 46 16 00-0112	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW).....	5,101.92	33.62
11 46 16 00-0113	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW).....	5,251.46	30.76
11 46 16 00-0114	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN).....	2,385.04	33.62
11 46 16 00-0115	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN).....	6,699.94	33.62
11 46 16 00-0116	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN).....	6,699.94	33.62
11 46 16 00-0117	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN).....	6,699.94	33.62
11 46 16 00-0118	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN).....	5,454.80	33.62
11 46 16 00-0119	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN).....	8,065.33	33.62
11 46 16 00-0120	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN).....	8,065.33	33.62
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN).....	8,065.33	33.62
11 46 16 00-0122	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN).....	6,269.70	33.62
11 46 16 00-0123	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN).....	8,192.08	33.62
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN).....	15,464.53	33.62
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN).....	15,464.53	33.62
11 46 16 00-0126	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN).....	8,566.27	36.95
11 46 16 00-0127		Dry Bakery Display Case (11 46 16)		
11 46 16 00-0128	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B).....	1,695.01	23.10
11 46 16 00-0129	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W).....	1,695.01	23.10
11 46 16 00-0130	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B).....	1,878.31	23.10
11 46 16 00-0131	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W).....	1,878.31	23.10
11 46 16 00-0132	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B).....	2,159.82	26.42
11 46 16 00-0133	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W).....	2,572.25	26.42
11 46 16 00-0134	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B).....	2,517.26	26.42
11 46 16 00-0135	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W).....	2,517.26	26.42
11 46 16 00-0136	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN).....	5,274.27	30.76
11 46 16 00-0137	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW).....	10,486.93	30.76
11 46 16 00-0138	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN).....	6,373.53	36.95
11 46 16 00-0139	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD).....	5,115.35	33.62
11 46 16 00-0140	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD).....	5,115.35	33.62

11	11 Equipment
	11 40 Foodservice Equipment
	11 46 Food Dispensing Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 46 16 00-0141	EA		35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD).....	5,115.35	33.62
11 46 16 00-0142	EA		35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD).....	5,115.35	33.62
11 46 16 00-0143	EA		35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD).....	5,320.19	33.62
11 46 16 00-0144	EA		35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD).....	5,320.19	33.62
11 46 16 00-0145	EA		35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD).....	5,752.20	36.95
11 46 16 00-0146	EA		35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White(Beverage-Air CDR6HCWD).....	5,752.20	36.95

11 46 16 00-0147 Dual Dry/Refrigerated Bakery Display Case (11 46 16)

11 46 16 00-0148	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON).....	16,788.26	33.62
11 46 16 00-0149	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN).....	16,788.26	33.62
11 46 16 00-0150	EA		34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN).....	16,788.26	33.62
11 46 16 00-0151	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN).....	16,795.00	36.95
11 46 16 00-0152	EA		34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN).....	17,239.25	36.95

11 46 16 00-0153 Refrigerated Deli Case (11 46 16)

11 46 16 00-0154	EA		30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN).....	7,928.18	123.15
11 46 16 00-0155	EA		30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN).....	7,928.18	123.15
11 46 16 00-0156	EA		30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN).....	9,077.97	123.15
11 46 16 00-0157	EA		30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN).....	9,077.97	123.15
11 46 16 00-0158	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB).....	1,873.52	73.91
11 46 16 00-0159	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS).....	2,036.73	73.91
11 46 16 00-0160	EA		32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW).....	1,873.52	73.91
11 46 16 00-0161	EA		32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB).....	2,125.23	92.38
11 46 16 00-0162	EA		32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS).....	2,305.62	92.38
11 46 16 00-0163	EA		32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW).....	2,496.08	123.15
11 46 16 00-0164	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB).....	2,496.08	123.15
11 46 16 00-0165	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS).....	2,813.91	123.15
11 46 16 00-0166	EA		32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW).....	2,186.85	123.15
11 46 16 00-0167	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB).....	2,719.42	123.15
11 46 16 00-0168	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW).....	2,719.42	123.15
11 46 16 00-0169	EA		32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS).....	2,985.71	123.15

11 46 19 Soda Fountain Equipment (11 46)

11 46 19 00-0001 Carbonated Beverage Dispensing (11 46 19)

11 46 19 00-0002	EA		Carbonated Beverage Dispenser.....	4,087.52	446.56
11 46 19 00-0003	EA		Carbonated Beverage Dispenser With 90 Lb. Ice.....	6,494.45	510.30
11 46 19 00-0004	EA		Carbonated Beverage Dispenser With 150 Lb. Ice.....	11,951.92	714.39

11 46 19 00-0005 Beverage Chilling Systems (11 46 19)

				Equipment	11	
				Foodservice Equipment	11 40	
				Food Dispensing Equipment	11 46	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
				UNIT COST	UNIT COST	
11 46 19 00-0006	EA		Beverage Chiller, Small	8,337.93	398.10	
11 46 19 00-0007	EA		Beverage Chiller, Large	15,591.27	597.20	
11 46 83 Ice Machines ^(11 46)						
11 46 83 00-0001 Undercounter Ice Machines With Bin ^(11 46 83)						
11 46 83 00-0002	EA		53 Lb./Day, Air-Cooled Undercounter Octagonal Cube Ice Machine With 25 Lb. Capacity Bin (Manitowoc SM-50A 115/60/1)	2,420.27	23.10	
11 46 83 00-0003	EA		85 Lb./Day, Air-Cooled Undercounter Pearl/Nugget Ice Machine With 22 Lb. Capacity Bin (Ice-O-Matic GEMU090)	3,906.12	192.33	
11 46 83 00-0004	EA		137 Lb./Day, Air-Cooled Undercounter Half Dice Cube Ice Machine With 90 Lb. Capacity Bin (Manitowoc UYF0140A)	2,980.77	192.33	
11 46 83 00-0005	EA		100 Lb./Day, Undercounter, Air-Cooled Ice Machine With 57 Lb. Capacity Bin (Scotsman CU0920MA)	2,910.00	192.33	
11 46 83 00-0006	EA		227 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2024SA)	3,134.50	206.08	
11 46 83 00-0007	EA		282 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2724SA)	3,503.59	206.08	
11 46 83 00-0008 Ice Cube Maker ^(11 46 83)						
11 46 83 00-0009	EA		320 Lb./Day, Modular Ice Maker Without Bin	4,228.00	206.08	
11 46 83 00-0010	EA		451 Lb./Day, Modular Ice Maker Without Bin	4,594.91	219.82	
11 46 83 00-0011	EA		600 Lb./Day, Modular Ice Maker Without Bin	5,263.97	219.82	
11 46 83 00-0012	EA		901 Lb./Day, Modular Ice Maker Without Bin	7,534.54	233.55	
11 46 83 00-0013	EA		1301 Lb./Day, Modular Ice Maker Without Bin	8,553.09	233.55	
11 46 83 00-0014	EA		1601 Lb./Day, Modular Ice Maker Without Bin	10,314.62	247.29	
11 46 83 00-0015	EA		1900 Lb./Day, Modular Ice Maker Without Bin	11,397.05	247.29	
11 46 83 00-0016 Ice Flakers ^(11 46 83)						
11 46 83 00-0017	EA		300 Lb./Day, Ice Flakers	6,374.83	648.82	
11 46 83 00-0018	EA		600 Lb./Day, Ice Flakers	11,535.60	1,038.12	
11 46 83 00-0019	EA		1,000 Lb./Day, Ice Flakers	14,274.27	1,427.42	
11 46 83 00-0020	EA		2,000 Lb./Day, Ice Flakers	17,421.97	1,557.19	
11 46 83 00-0021 Ice Storage Bins ^(11 46 83)						
11 46 83 00-0022	EA		260 Lb. Capacity, Stainless Steel Ice Storage Bin	1,676.29	138.58	
11 46 83 00-0023	EA		360 Lb. Capacity, Stainless Steel Ice Storage Bin	1,839.83	138.58	
11 46 83 00-0024	EA		550 Lb. Capacity, Stainless Steel Ice Storage Bin	2,299.02	150.12	
11 46 83 00-0025	EA		660 Lb. Capacity, Stainless Steel Ice Storage Bin	2,480.74	150.12	
11 46 83 00-0026	EA		1,150 Lb. Capacity, Stainless Steel Ice Storage Bin	4,775.19	161.67	
11 48 Foodservice Cleaning and Disposal Equipment ^(11 40)						
11 48 13 Commercial Dishwashers ^(11 48)						
11 48 13 00-0001 Sprays And Hoses ^(11 48 13)						
11 48 13 00-0002 Sprays, Fillers ^(11 48 13 00-0001)						
11 48 13 00-0003	EA		Pre-Rinse Spray	494.40	94.63	
11 48 13 00-0004	EA		Kettle Fillers	433.39	94.63	
11 48 13 00-0005 Hoses ^(11 48 13 00-0001)						
11 48 13 00-0006	EA		Hose Reel	593.28	113.61	
11 48 13 00-0007	EA		Wash-Down Hose	471.26	113.61	
11 48 13 00-0008	EA		Hose Reel And Spray System With Accessories (Chicago 535NF)	1,496.70		
11 48 13 00-0009 Rack Type Dishwasher ^(11 48 13)						
11 48 13 00-0010	EA		Dishwasher, 1 Tank And 190 To 230 Racks/Hour	26,189.87	1,102.61	
11 48 13 00-0011	EA		Dishwasher, 2 Tanks And 234 To 260 Racks/Hour	42,536.75	1,362.05	
11 48 13 00-0012	EA		Dishwasher, 2 Tanks And 265 To 290 Racks/Hour	50,830.75	1,556.63	
11 48 13 00-0013 Undercounter Type Dishwasher ^(11 48 13)						
11 48 13 00-0014	EA		High Speed, Undercounter Commercial Dishwasher (Hobart LX30-H)	6,550.94	227.01	
11 48 13 00-0015	EA		1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Undercounter Dishwasher (Noble WF-UL30-NO-115)	4,889.81	184.77	
11 48 13 00-0016	EA		1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Undercounter Dishwasher (Jackson DISHSTAR LT UNDERCOUNTER)	7,369.01	184.77	
11 48 13 00-0017	EA		1.1 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, High Temperature Undercounter Dishwasher (Noble WF-UH30-FND-NO)	5,248.43	184.77	
11 48 13 00-0018	EA		1.1 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, High Temperature Undercounter Dishwasher (Jackson DISHSTAR HT)	7,682.42	184.77	
11 48 13 00-0019	EA		0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230V, 1 Phase, Energy Efficient High Temperature Undercounter Dishwasher (Jackson DISHSTAR HTE)	7,994.27	184.77	
11 48 13 00-0020	EA		0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 1 Phase, High Temperature Undercounter Dishwasher With Energy Recovery (Jackson DSTR HT-SEER)	9,222.96	184.77	
11 48 13 00-0021	EA		0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 1 Phase, High Temperature Undercounter Dishwasher With Energy Recovery (Jackson TEMPSTAR-HH VER)	21,210.48	184.77	
11 48 13 00-0022	EA		0.74 Gallons Per Rack, 180 Degrees Fahrenheit, 120/208-240 Volt, Hot Water Sanitizing, Undercounter Dishwasher (Hobart LXEH-2)	11,920.73	184.77	

11 Equipment**11 40 Foodservice Equipment****11 48 Foodservice Cleaning and Disposal Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 48 13 00-0023 EA 0.62 Gallons Per Rack, 180 Degrees Fahrenheit, 120/208-240 Volt, Hot Water Sanitizing, Undercounter Dishwasher With Energy Recovery (Hobart LXER-2)..... 12,777.92 184.75

11 48 13 00-0024 Exhaust Hood Dishwasher (11 48 13)
 11 48 13 00-0025 EA 4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides..... 2,650.13 275.97
 11 48 13 00-0026 EA 4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides..... 4,502.00 331.17
11 48 13 00-0027 Dish Tables (11 48 13)
 11 48 13 00-0028 LF Clean/Soiled Dish Table, Basic..... 307.90 49.81
 11 48 13 00-0029 LF Clean/Soiled Dish Table With Trough..... 483.61 74.65
 11 48 13 00-0030 LF Clean/Soiled Dish Table, Maximum..... 586.82 99.49
11 48 13 00-0031 Commercial Dishwashers (11 48 13)
 11 48 13 00-0032 EA 1.16 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, Single Rack, Low Temperature Glass Washer/Dishwasher (Noble WF-DG-E-NO 115/1)..... 5,911.14 492.69
 11 48 13 00-0033 EA 1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Dishwasher (Noble WF-HT180-D-7-NO)..... 9,957.37 184.77
 11 48 13 00-0034 EA 1.02 Gallons Per Rack, 120 Degrees Fahrenheit, 115 Volt, Single Rack, Low Temperature Door-Type Dish Machine (Noble WF-I-E-NO 115)..... 5,236.34 568.54
 11 48 13 00-0035 EA 2.23 Gallons Per Rack, 130 Degrees Fahrenheit, 115 Volt, Electric Carousel Type Underbar Glass Washer (Noble WF-CG-115-NO)..... 6,137.21 184.77
 11 48 13 00-0036 EA 2.23 Gallons Per Rack, 130 Degrees Fahrenheit, 208 To 230 Volt, Electric Carousel Type Underbar Glass Washer (Noble WF-CG NOBLE LABEL)..... 6,137.21 184.77
 11 48 13 00-0037 EA 1.61 Gallons Per Rack, 140 Degrees Fahrenheit, 115 Volt, Dual Functionality, Low Temperature Door Type Dish/Pot And Pan Washer (Noble 1-HH-NO)..... 5,906.82 568.54
 11 48 13 00-0038 EA 1.36 Gallons Per Rack, 140 Degrees Fahrenheit, 208/230 Volt, 1 Phase, Dual Functionality, High Temperature Tall Dish/Pot And Pan Washer (Noble WF-HT-180HH-NO)..... 12,518.04 568.54
 11 48 13 00-0039 EA 1.561 Gallons Per Rack, 145 Degrees Fahrenheit, 115 Volt, Dual Functionality, Low Temperature Door Type Dish/Pot And Pan Washer (Noble WF-I-E-A-LTH-NO)..... 7,528.44 568.54
 11 48 13 00-0040 EA 1.02 Gallons Per Rack, 145 Degrees Fahrenheit, 208/230 Volt, 1 Phase, Dual Benefit, Low Temperature Door Type Dishwasher (Noble WF-IE-LTH-NO)..... 7,356.92 568.54
 11 48 13 00-0041 EA 0.75 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, Door Type Dishwasher High Hood With Electric Booster Heater (Jackson TEMPSTAR-HH)..... 17,590.28 568.54
 11 48 13 00-0042 EA 1.17 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 115 Volt, Double Rack Low Temperature Dishwasher (Noble WF-II-NO)..... 7,372.51 568.54
 11 48 13 00-0043 EA 1.36 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 3 Phase, High Temperature Dual Functionality Tall Dish/Pot And Pan Washer (Noble WF-HT-180HH-NO)..... 12,518.04 568.54
 11 48 13 00-0044 EA 60 Second Wash Cycle Time, 8 Gallon Tank, Single Cycle, Select Single Rack High/Low Temperature, Straight/Corner Dishwasher (Noble HT-180EC1)..... 8,167.73 568.54
 11 48 13 00-0045 EA 4 Cycles, 40 Racks Per Hour, 60 To 360 Second Wash Cycle Time, 14 Gallon, 208-240 Volt, 1 Phase, Ventless High Temperature Dishwasher With Booster Heater (Hobart AM15VL-6)..... 28,955.49 568.54
 11 48 13 00-0046 EA 208-240 Volt, 3 Phase, Ventless, Tall High Temperature Dishwasher With Booster Heater (Hobart AM15VLT-2)..... 34,235.83 568.54
 11 48 13 00-0047 EA 208/230 Volt, 3 Phase, 0.89 Gallons Per Rack, 110 Degrees Fahrenheit, Multi Cycle, High Temperature Dishwasher (Noble WF-HT180-A-7-NO)..... 10,724.90 568.54
11 48 16 Foodservice Disposal Equipment (11 48)**11 48 16 00-0001 Garbage Disposals (11 48 16)**

Note: Manual switch.

 11 48 16 00-0002 EA 1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal..... 1,696.10 175.12
 11 48 16 00-0003 EA 3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal..... 2,135.71 181.61
 11 48 16 00-0004 EA 1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal..... 2,992.54 194.58
 11 48 16 00-0005 EA 1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal..... 2,292.30 188.09
 11 48 16 00-0006 EA 2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal..... 3,261.69 214.04
 11 48 16 00-0007 EA 3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal..... 4,590.34 233.50
 11 48 16 00-0008 EA 5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal..... 5,480.35 259.43
 11 48 16 00-0009 EA 7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal..... 7,623.30 278.89
 11 48 16 00-0010 EA 10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal..... 10,034.34 291.86
11 48 16 00-0011 Pulper/Extractors (11 48 16)

11 48 16 00-0012 EA 5 HP, Pulper/Extractor, Close-Coupled..... 6,661.98 270.20

11 50 Educational and Scientific Equipment (11)**11 52 Audio-Visual Equipment (11 50)****11 52 13 Projection Screens (11 52)****11 52 13 13 Fixed Projection Screens (11 52 13)****11 52 13 13-0001 Screens (11 52 13 13)****11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) (11 52 13 13-0001)**
 11 52 13 13-0003 EA 40" x 40" Pull Down Projection Screen (Da-Lite B)..... 427.55 94.96
 For High Contrast Matte, Add 40.00
 For Video Spectra Fabric, Add 40.00
 For High Power Fabric, Add 120.00
 11 52 13 13-0004 EA 50" x 50" Pull Down Projection Screen (Da-Lite B)..... 509.47 122.08
 For High Contrast Matte, Add 40.00
 For Video Spectra Fabric, Add 40.00
 For High Power Fabric, Add 120.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0005	EA		60" x 60" Pull Down Projection Screen (Da-Lite B).....	645.64	169.56
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0006	EA		70" x 70" Pull Down Projection Screen (Da-Lite B).....	747.92	203.47
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0007	EA		84" x 84" Pull Down Projection Screen (Da-Lite B).....	1,158.02	305.21
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0008	EA		96" x 96" Pull Down Projection Screen (Da-Lite B).....	1,363.61	339.12
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0009	EA		64" x 84" Pull Down Projection Screen (Da-Lite B).....	981.68	217.04
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0010	EA		72" x 96" Pull Down Projection Screen (Da-Lite B).....	1,124.64	271.30
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0011	EA		43" x 57" Pull Down Projection Screen (Da-Lite B).....	606.01	115.30
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0012	EA		50" x 67" Pull Down Projection Screen (Da-Lite B).....	838.73	162.77
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0013	EA		55" x 77" Pull Down Projection Screen (Da-Lite B).....	913.86	183.13
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0014	EA		60" x 80" Pull Down Projection Screen (Da-Lite B).....	975.43	196.68
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0015	EA		69" x 92" Pull Down Projection Screen (Da-Lite B).....	1,125.69	237.39
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0016	EA		45" x 80" Pull Down Projection Screen (Da-Lite B).....	921.17	169.56
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0017	EA		52" x 92" Pull Down Projection Screen (Da-Lite B).....	1,044.31	196.68
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0018			Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) (11 52 13 13-0001)		
11 52 13 13-0019	EA		50" x 50" Pull Down Projection Screen (Da-Lite C).....	991.65	122.08
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0020	EA		60" x 60" Pull Down Projection Screen (Da-Lite C).....	1,162.26	169.56
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0021	EA		70" x 70" Pull Down Projection Screen (Da-Lite C).....	1,353.22	230.60
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0022	EA		84" x 84" Pull Down Projection Screen (Da-Lite C).....	1,571.31	305.21
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0023	EA		6' x 8' Pull Down Projection Screen (Da-Lite C).....	1,722.65	311.99
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0024	EA		8' x 8' Pull Down Projection Screen (Da-Lite C).....	1,845.78	339.12
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0025	EA		7' x 9' Pull Down Projection Screen (Da-Lite C).....	1,880.22	339.12
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	
11 52 13 13-0026	EA		9' x 9' Pull Down Projection Screen (Da-Lite C).....	2,024.24	359.47
			For High Contrast Matte, Add	40.00	
			For Video Spectra Fabric, Add	40.00	
			For High Power Fabric, Add	120.00	

11 Equipment**11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	2,168.27	379.81
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	2,325.84	406.95
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	2,601.37	406.95
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	3,010.43	542.59
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	

11 52 13 13-0031 Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR)

(11 52 13 13-0001)

Note: With controlled screen return.

11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,851.08	169.56
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,076.48	230.60
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,294.57	305.21
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,411.47	311.99
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,569.04	339.12
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,603.48	339.12
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,747.50	359.47
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,809.08	373.03
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,152.42	406.95
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,462.39	406.95
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,940.34	542.59
		For High Contrast Matte, Add	40.00	
		For Video Spectra Fabric, Add	40.00	
		For High Power Fabric, Add	120.00	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol)

(11 52 13 13-0001)

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,617.42	152.60
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,678.92	169.56
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,799.18	203.47
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,239.93	305.21
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,319.72	311.99
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,525.72	339.12
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,594.70	339.12
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,774.63	362.86
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,993.41	379.81
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,138.72	406.95
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,262.88	406.95
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,749.40	542.59

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol)

(11 52 13 13-0001)

Note: Heavy-duty screen for exposed or recessed installation without doors.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,665.41	406.95
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	7,212.23	542.59
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,932.17	610.41
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	9,412.23	678.23
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	10,027.93	813.88
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	11,196.80	881.71
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,262.36	949.53
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,951.18	949.53
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,945.74	1,085.18
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,918.85	881.71
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,670.21	1,085.18
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	14,285.91	1,220.83
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,743.32	949.53
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	17,730.01	1,220.83
11 52 13 13-0071		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) ^(11 52 13 13-0001) Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,156.74	152.60
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,293.97	169.56
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,430.68	203.47
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,875.23	305.21
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,957.68	311.99
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,218.58	339.12
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,425.22	339.12
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,576.02	362.86
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,782.15	379.81
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,974.16	406.95
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,043.05	406.95
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,658.76	542.59
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,277.64	576.50
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,689.87	610.41
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,583.22	678.23
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	11,026.72	813.88
11 52 13 13-0088		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) ^(11 52 13 13-0001) Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,109.73	152.60
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,225.77	186.52
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,290.68	203.47
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,594.02	305.21
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,638.59	311.99
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,823.72	339.12
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,006.25	339.12
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,298.26	362.86
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,380.40	379.81

11 Equipment**11 50 Educational and Scientific Equipment****11 52 Audio-Visual Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	6,582.75	406.95
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	6,580.63	474.76
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	7,198.46	542.59
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,981.45	576.50
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	9,376.46	610.41
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	10,149.27	678.23
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	10,565.21	813.88
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,510.21	881.71
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	12,221.03	949.53
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	12,723.87	949.53
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy-duty screen for recessed or exposed installation.	14,069.73	1,085.18
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,290.68	203.47
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,526.20	271.30
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,625.02	305.21
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,414.84	379.81
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,866.49	474.76
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,511.99	610.41
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,045.03	746.06
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	15,904.10	1,017.36
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,543.42	271.30
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,676.68	305.21
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,817.26	325.56
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,902.52	352.68
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,249.53	379.81
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,735.62	474.76
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,419.00	610.41
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,730.41	746.06
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,809.85	881.71

11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol)

(11 52 13 13-0001)

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,114.50	152.60
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,214.63	169.56
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,332.12	203.47
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,706.65	305.21
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,775.41	311.99
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,948.30	339.12
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,133.17	339.12
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,299.29	362.86
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,421.51	379.81
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,616.48	406.95
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,806.86	406.95
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,238.20	542.59

		Equipment	11	
		Educational and Scientific Equipment	11 50	
		Audio-Visual Equipment	11 52	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

11 52 13 13-0139	EA	Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) (11 52 13 13-0001)		
		Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	15,759.94	339.12
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	16,859.94	406.95
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	19,608.88	610.41
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	24,699.80	813.88
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	27,381.96	949.53
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	16,724.29	339.12
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	18,272.02	406.95
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	19,337.58	474.76
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol).....	24,292.86	610.41
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0149	EA	Electric Rear Projection Screen (Da-Lite DA-View) (11 52 13 13-0001)		
		Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	4,901.74	339.12
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	6,143.42	373.03
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	7,032.94	406.95
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	12,617.86	440.86
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	13,976.92	13,502.15
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	15,521.19	542.59
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	19,882.70	610.41
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	26,826.68	678.23
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	30,014.33	746.06
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View).....	40,127.70	813.88
		Note: Includes a motorized spring assisted scissors mechanism and trap door housing.		
11 52 13 13-0160	EA	Screen Accessories (11 52 13 13-0001)		
11 52 13 13-0161	EA	Manual Pull Down Accessories (11 52 13 13-0160)		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair).....	82.34	10.18
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair).....	116.78	10.85
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	137.45	12.21
11 52 13 13-0165	EA	Electric Powered Screen Accessories (11 52 13 13-0160)		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	857.04	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency.....	1,235.89	
11 52 13 13-0168	EA	Relocate Existing Fixed Projection Screen (11 52 13 13)		
11 52 13 13-0169	EA	Relocate Electric Controlled Projection Screen, Including Storage And Cleaning	1,994.82	
11 52 13 16		Portable Projection Screens (11 52 13)		
11 52 13 16-0001	SF	Motion Picture Screen And Case (11 52 13 16)		
11 52 13 16-0002	SF	Screen, Riser Projection With Anodized Aluminum Frame.....	54.98	4.89
11 52 16		Projectors (11 52)		
11 52 16 26		Video Projectors (11 52 16)		
11 52 16 26-0001		Projectors (11 52 16 26)		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	1,414.13	67.82
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,637.86	67.82
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	2,165.24	67.82
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,411.75	67.82
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,971.09	67.82
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector.....	5,041.82	67.82
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	8,014.28	67.82
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	10,858.90	67.82
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	16,116.65	67.82

11	11	Equipment
	11 50	Educational and Scientific Equipment
	11 52	Audio-Visual Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 16 26-0011			Projector Mounts (11 52 16 26)		
11 52 16 26-0012			Universal Projector Mounts (11 52 16 26-0011)		
			Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA		Flush Ceiling, Universal Projector Mount (Peerless PPF).....	314.88	74.58
11 52 16 26-0014	EA		Wall Arm, Universal Projector Mount (Peerless PWA-14).....	513.27	74.58

11 52 16 26-0015			Projector Mount Components (11 52 16 26-0011)		
			Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016			Ceiling Attachment Plates For Projector Mounts (11 52 16 26-0015)		
11 52 16 26-0017	EA		Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	114.98	33.90
11 52 16 26-0018	EA		Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	155.70	33.90
11 52 16 26-0019	EA		I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	215.97	33.90
11 52 16 26-0020	EA		Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	268.20	33.90

11 52 16 26-0021			Projector Attachment Plates For Projector Mounts (11 52 16 26-0015)		
11 52 16 26-0022	EA		Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	394.24	33.90
11 52 16 26-0023	EA		High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	868.90	33.90

11 52 16 26-0024			Threaded Extension Columns For Projector Mounts (11 52 16 26-0015)		
11 52 16 26-0025			Fixed Length, Threaded Extension Column For Projector Mounts (11 52 16 26-0024)		
			Note: Peerless EXT series.		
11 52 16 26-0026	EA		6" Fixed Length, Threaded Extension Column For Projector Mounts.....	68.05	10.17
11 52 16 26-0027	EA		12" Fixed Length, Threaded Extension Column For Projector Mounts.....	88.15	10.17
11 52 16 26-0028	EA		18" Fixed Length, Threaded Extension Column For Projector Mounts.....	95.68	10.17
11 52 16 26-0029	EA		24" Fixed Length, Threaded Extension Column For Projector Mounts.....	100.70	10.17
11 52 16 26-0030	EA		36" Fixed Length, Threaded Extension Column For Projector Mounts.....	120.04	13.56
11 52 16 26-0031	EA		48" Fixed Length, Threaded Extension Column For Projector Mounts.....	145.15	13.56
11 52 16 26-0032	EA		60" Fixed Length, Threaded Extension Column For Projector Mounts.....	185.33	13.56
11 52 16 26-0033	EA		72" Fixed Length, Threaded Extension Column For Projector Mounts.....	212.96	13.56
11 52 16 26-0034	EA		84" Fixed Length, Threaded Extension Column For Projector Mounts.....	249.87	16.95
11 52 16 26-0035	EA		96" Fixed Length, Threaded Extension Column For Projector Mounts.....	285.03	16.95
11 52 16 26-0036	EA		108" Fixed Length, Threaded Extension Column For Projector Mounts.....	316.92	20.34
11 52 16 26-0037	EA		120" Fixed Length, Threaded Extension Column For Projector Mounts.....	331.99	20.34

11 52 16 26-0038			Adjustable Length, Threaded Extension Columns For Projector Mounts (11 52 16 26-0024)		
			Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA		6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts.....	139.37	16.95
11 52 16 26-0040	EA		12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	214.71	16.95
11 52 16 26-0041	EA		18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts.....	219.74	16.95
11 52 16 26-0042	EA		24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts.....	227.27	16.95
11 52 16 26-0043	EA		36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	246.61	20.34
11 52 16 26-0044	EA		48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	259.16	20.34
11 52 16 26-0045	EA		60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	286.79	20.34
11 52 16 26-0046	EA		72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	311.90	20.34
11 52 16 26-0047	EA		84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	346.30	23.73
11 52 16 26-0048	EA		96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	371.42	23.73
11 52 16 26-0049	EA		108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	405.82	27.12
11 52 16 26-0050	EA		120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	423.40	27.12

11 52 19			Players and Recorders (11 52)		
11 52 19 00-0001			Mounts (11 52 19)		
11 52 19 00-0002	EA		50 Lb. Load Capacity VCR Mount (Peerless DS25).....	137.34	16.95
11 52 19 00-0003	EA		80 Lb. Load Capacity Articulating Wall Arm For 22" To 40" Flat Screen TV (Peerless PA740).....	199.39	20.34

11 53 Laboratory Equipment (11 50)

11 53 43			Service Fittings and Accessories (11 53)		
11 53 43 00-0001			Outlet And Valves (11 53 43)		
11 53 43 00-0002	EA		Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum).....	1,103.38	
11 53 43 00-0003			Test And Certify (11 53 43)		
11 53 43 00-0004	EA		Test And Certify Medical Gas Port.....	64.88	
11 53 43 00-0005			Install Owner Furnished Material (11 53 43)		
11 53 43 00-0006	LF		Install Owner Furnished Steel Base Cabinet.....	150.57	
11 53 43 00-0007	LF		Install Owner Furnished Steel Wall Cabinet.....	180.81	
11 53 43 00-0008	LF		Install Owner Furnished Wood Base Cabinet.....	127.51	
11 53 43 00-0009	LF		Install Owner Furnished Wood Wall Cabinet.....	153.28	
11 53 43 00-0010	LF		Install Owner Furnished Plastic Base Cabinet.....	105.40	

			Equipment	11	11
			Educational and Scientific Equipment	11 50	
			Laboratory Equipment	11 53	
			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

11 53 43 00-0011 LF Install Owner Furnished Plastic Wall Cabinet 126.29

11 70 Healthcare Equipment ⁽¹¹⁾

11 71 Medical Sterilizing Equipment ^(11 70)

11 71 00 00-0001 Steam Sterilizers ^(11 71)

11 71 00 00-0002	EA	6 Full-Size Cassette Capacity, 120 Instruments In 40 Minutes Start-To-Dry, Automated Instrument Washing Sterilizer (SciCan HYDRIM® C61w G4).....	9,840.12	123.15
Note: Water consumption per cycle = Regular Wash + Dry: 26 mins + 10 mins, Heavy-Duty Wash + Dry: 30 mins + 10 mins, Rinse and Hold: 5 mins.				
11 71 00 00-0003	EA	23.6" Length x 16.1" Width x 7.5" Height, Cycle Time 9 Minutes Unwrapped, 17.5 Minutes Wrapped, 3.5" Touchscreen, Fresh Steam Distilled Water, Autoclave Sterilizer (SciCan STATIM® 5000 G4)	10,793.60	21.69
11 71 00 00-0004	EA	19.5" Length x 16.25" Width x 6" Height, Cycle Time 6 Minutes Unwrapped, 14 Minutes Wrapped, Fresh Clean Distilled Water For Each Cycle, Autoclave Sterilizer (SciCan STATIM® 2000 G4)	8,934.03	21.69
11 71 00 00-0005	EA	Ultra-fast 35 Minute Cycle Start To Dry, Autoclave Sterilizer (SciCan Bravo W#AJP00B0000)	11,430.20	21.69
11 71 00 00-0006	EA	Ultra-fast 28 Minute Cycle Start To Dry, Tabletop Autoclave Sterilizer (SciCan Bravo MA320011)	13,851.04	21.69

11 71 00 00-0007 Steam Generator ^(11 71)

11 71 00 00-0008	EA	Steam Generator, Electric 10 KW To 180 KW	149,981.14	1,297.18
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11 72 Examination and Treatment Equipment ^(11 70)

11 72 13 Examination Equipment ^(11 72)

11 72 13 00-0001 Wall Mounted Medical Furnishings ^(11 72 13)

11 72 13 00-0002	EA	20" Wide, 15" High, 3" Deep, Aluminum Wall Mounted Folding Medical Desk	514.12	50.85
11 72 13 00-0003	EA	20" Wide, 15" High, 3" Deep, Painted Steel Wall Mounted Folding Medical Desk	536.56	50.85
11 72 13 00-0004	EA	20" Wide, 15" High, 3" Deep, Stainless Steel Wall Mounted Folding Medical Desk	603.78	50.85
11 72 13 00-0005	EA	10" Wide, 11" High, 5-3/4" Deep, Stainless Steel Wall Mounted Double Glove Box Holder	237.98	50.85
11 72 13 00-0006	EA	10" Wide, 11" High, 5-3/4" Deep, Stainless Steel Wall Mounted Quad Glove Box Holder	284.61	50.85
11 72 13 00-0007	EA	13-1/2" Wide, 10" High, 3-1/2" Deep, Locking Stainless Steel Wall Mounted Specimen Cup Retrieval Box	675.51	50.85
11 72 13 00-0008	EA	12" Wide, 12" High, 5-1/4" Deep, Stainless Steel Wall Mounted Bedpan Storage Rack	209.28	50.85
11 72 13 00-0009	EA	28" Wide, 12" High, 5-1/4" Deep, Stainless Steel Wall Mounted Double Bedpan Storage Rack	277.02	54.24
11 72 13 00-0010	EA	12" Wide, 24" High, 5-1/4" Deep, Stainless Steel Wall Mounted Vertical Double Bedpan Storage Rack	260.89	54.24
11 72 13 00-0011	EA	12-1/4" Wide, 8" High, 4-3/4" Deep, Acrylic Infection Prevention Station	218.26	50.85
Note: Space for sanitizer, disposable masks, tissues				
11 72 13 00-0012	EA	11-1/2" Wide, 12" High, 6" Deep, Lockable Two Sides Heavy-Duty Stainless Steel Narcotics Cabinet	960.46	67.80
11 72 13 00-0013	EA	11-1/2" Wide, 12" High, 6" Deep, Heavy-Duty Stainless Steel Narcotics Cabinet	960.46	67.80
11 72 13 00-0014	EA	11-1/2" Wide, 12" High, 6" Deep, Lockable One Side, Heavy-Duty Stainless Steel Pass-Thru Narcotics Cabinet	960.46	67.80
11 72 13 00-0015	EA	15-1/2" Wide, 6" High, 6" Deep, Acrylic Suture Rack - Single Tier - 6 Box Capacity	191.51	33.90
11 72 13 00-0016	EA	15-1/2" Wide, 12-1/4" High, 6" Deep, Acrylic Suture Rack - Single Tier - 12 Box Capacity	235.95	37.29
11 72 13 00-0017	EA	15-1/2" Wide, 18" High, 6" Deep, Acrylic Suture Rack - Single Tier - 18 Box Capacity	332.39	40.68

11 72 13 00-0018 Diagnostic Wall Board ^(11 72 13)

11 72 13 00-0019	EA	Diagnostic Wall Board With Macroview Otoscope, Coaxial Ophthalmoscope And Wall Transformer (Welch Allyn 77792-MNOBP)	1,987.57	67.80
11 72 13 00-0020	EA	Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP And Wall Transformer (Welch Allyn 77792-M)	2,231.44	67.80
11 72 13 00-0021	EA	Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP, Thermometry And Wall Transformer (Welch Allyn 77791-MX)	2,750.98	67.80
11 72 13 00-0022	EA	Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP, Thermometry, Throat Illuminator And Wall Transformer (Welch Allyn 77795-MX)	2,976.78	67.80

11 72 13 00-0023 Sharps Containers ^(11 72 13)

11 72 13 00-0024	EA	3 Quart, Wall Mounted, Disposable Sharps Containers	288.64	
Note: The rotating cylinder top permits convenient, one-handed disposal of sharps. The rotating lid automatically drops needles and syringes in a horizontal position to maximize capacity. Lid remains closed when not in use. A built-in needle key permits the safe removal of needles when necessary.				
11 72 13 00-0025	EA	2 Gallon, Wall Mounted, Disposable Sharps Containers	372.82	
Note: Provides open access for disposal of a variety of shapes and sizes of sharps, (i.e. needles and syringes, vials, test tubes, and glass slides). The lid features a needle key for the safe removal of needles.				
11 72 13 00-0026	EA	3 Gallon, Wall Mounted, Disposable Sharps Containers	329.80	
Note: Has a dual-purpose lid, which allows the container to remain open for code situations or in a free-fall position for normal, one-handed operation. Lid features a needle key for safe removal of needles when necessary.				
11 72 13 00-0027	EA	1 Quart, Wall Mounted, Disposable Phlebotomy Container	530.01	
Note: Has an opening to safely place the blood tube holder with needle while attending a patient Once full, the lids can be locked, & the container is ready for safe disposal One-quart capacity, is puncture resistant, fully disposable, may be autoclaved or incinerated for final disposal.				
11 72 13 00-0028	EA	5 Quart, Wall Mounted, Locking Sharps Disposal Cabinet	155.56	33.90
11 72 13 00-0029	EA	5 Quart, Wall Mounted, Combination Sharps Disposal And Glove Box Container	143.69	33.90

11 72 13 00-0030 Exam Room Supplies ^(11 72 13)

11 72 13 00-0031	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 12", Wall Mounted (Medline MDS193094)	52.78	
11 72 13 00-0032	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 8", Wall Mounted (Medline MDS192094B)	53.97	
11 72 13 00-0033	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 4", Wall Mounted (Medline MDS191094)	42.62	

11 72 13 00-0034 Medical Warming Cabinets ^(11 72 13)

11 Equipment**11 70 Healthcare Equipment****11 72 Examination and Treatment Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
11 72 13 00-0035	EA	9.02 CF, Warming Cabinet With Single Glass Door (Blickman 7922TG).....	9,467.62	61.62	
11 72 13 00-0036	EA	22.02 CF, Warming Cabinet With Single Stainless Steel Door (Blickman 791TS).....	11,519.06	61.62	
11 72 13 00-0037 Surgical Tables (11 72 13)					
11 72 13 00-0038	EA	79" Length x 20" Width, 1,000 Lb. Weight Capacity, Self-leveling, Four Point Brake System, Manually-operated Head Section, General Surgical Table (Skytron 3500HD).....	24,454.86	123.15	
11 72 13 00-0039	EA	81.6" Length x 20" Width, 1,200 Lb. Weight Capacity, 600 Lb Full Articulation, Reverse Orientation, General Surgical Table (Steris Amsco 5085 5085).....	62,112.48	123.15	
11 72 13 00-0040	EA	87.165" Length x 27.5" Width, 400 Lb. Anatomic Position Weight Capacity, 300 Lb Reverse Orientation, OrthoVision Surgical Table (Steris Amsco OrthoVision).....	22,661.64	123.15	
11 72 13 00-0041	EA	79" Length x 19.75" Width, 1,000 Lb. Articulate Capacity, 1,200 Lb Lift Capacity, AC Or Battery Power Operation, General Surgical Table (Skytron 6701).....	45,067.92	123.15	
11 72 13 00-0042 Examination Tables (11 72 13)					
11 72 13 00-0043	EA	58" Length x 28-1/2" Width x 31" Height, 400 Lb., Plywood And Laminate Frame, Family Practice Exam Table (Clinton 8870).....	1,985.16	92.38	
11 72 13 00-0044	EA	72" Length x 24" Width x 30" Height, 300 Lb. Weight Capacity, 3-Section, Drawer And Sliding Doors, Wooden Exam Table With Enclosed Cabinet (FEI 15-1073).....	1,931.37	92.38	
11 72 13 00-0045	EA	110 Volt, 76" Length x 27" Width x 18-35" Height, 450 Lb. Weight Capacity, Open Base Power Table With Adjustable Backrest And Drop Section (Clinton 80330).....	4,074.26	92.38	
11 72 13 00-0046	EA	72" Length x 27" Width x 18-35" Height, 450 Lb. Weight Capacity, Open Base Power Table With Adjustable Backrest (Clinton 80200).....	3,724.59	92.38	
11 72 13 00-0047	EA	72" Length x 27" Width x 18-35" Height, 450 Lb. Weight Capacity, Open Base Power Imaging Table With Drop Window (Clinton 85100).....	5,186.06	92.38	
11 72 13 00-0048	EA	76" Length x 27" Width x 21-1/2-37-1/2" Height, 550 Lb. Weight Capacity, General Power Ultrasound Table With 3-Section Top (Clinton 80063).....	8,094.66	92.38	
11 72 13 00-0049 Specimen Pass Through Cabinet (11 72 13)					
11 72 13 00-0050	EA	11-1/4" x 10-9/16" x 6", 22 Gauge Stainless Steel, Specimen Pass Through Cabinet (Bobrick B-505).....	662.32	45.15	
11 72 13 00-0051	EA	13-1/2" x 13-1/2" x 7", 304 Stainless Steel, Heavy-Duty Recess Mounted Interlocking Pass Through Cabinet (Bobrick B-50516).....	847.38	45.15	
11 72 13 00-0052	EA	13-1/2" x 13-1/2" x 11", 304 Stainless Steel, Heavy-Duty Recess Mounted Interlocking Pass Through Cabinet (Bobrick B-50517).....	937.86	45.15	
11 72 63 Refrigerated Healthcare Storage Equipment (11 72)					
11 72 63 00-0001 Healthcare Pharmaceutical Refrigerators (11 72 63)					
11 72 63 00-0002	EA	24" Width x 24.5" Depth x 33.375" Height, 1 Degree Celsius Temperature Range, Counter Height, Pharmaceutical Refrigerator (American Bio Tech Supply PH-ABT-HC-UCBI-0404SS).....	1,482.36	23.10	
11 72 63 00-0003	EA	17.75" Width x 19.5" Depth x 28 7/8" Height, 2 To 8 Degrees Celsius Temperature Range, Vaccine Undercounter, Pharmaceutical Refrigerator (ABS Premier PH-ABT-HC-UCFS-0204G).....	1,461.14	23.10	
11 72 63 00-0004	EA	17.5" Width x 19.75" Depth x 21.5" Height, 2 To 8 Degrees Celsius Temperature Range, Vaccine Undercounter, Pharmaceutical Refrigerator (Accucold ARG1PVDL2B).....	1,402.67	23.10	
11 72 63 00-0005	EA	17 3/4" Width x 19.5" Depth x 28 7/8" Height, 1 To 10 Degrees Celsius Temperature Range, Solid Door, Undercounter Pharmaceutical Refrigerator (LabRepCo LHP-3-UR Futura).....	1,352.90	23.10	
11 72 63 00-0006	EA	17 3/4" Width x 22 3/4" Depth x 30 3/4" Height, 2 To 8 Degrees Celsius Temperature Range, Solid Door, Undercounter Pharmaceutical Refrigerator (American Biotech PH-ABT-HC-UCBI-0204).....	1,289.15	23.10	
11 72 63 00-0007	EA	27" Width x 31 1/4" Depth x 83 1/4" Height, 31 To 41 Degrees Fahrenheit Temperature Range, Glass Door, Upright Pharmaceutical Refrigerator (Arctic Air AGR23).....	2,111.07	52.75	
11 72 63 00-0008	EA	27" Width x 31 5/8" Depth x 78 1/4" Height, Negative 1 To Plus 10 Degrees Celsius Temperature Range, Glass Door, Laboratory, Pharmaceutical Refrigerator (ABS Premier ABT-HCPP-23G).....	8,339.85	52.75	
11 72 63 00-0009	EA	29" Width x 32 1/4" Depth x 82 1/2" Height, 33 To 40 Degrees Fahrenheit Temperature Range, Glass Door, Reach-In Pharmaceutical Refrigerator (Avantco A-23R-G-HC).....	1,996.41	52.75	
11 72 63 00-0010	EA	26.8" Width x 32.7" Depth x 82.3" Height, 33 To 41 Degrees Fahrenheit Temperature Range, Glass Door, Reach-In Pharmaceutical Refrigerator (Empura E-KB27RG).....	2,053.36	52.75	
11 72 63 00-0011	EA	26-1/2" Width x 35-1/2" Depth x 83" Height, 25 CF, 4 Degrees Celsius, Hinged Glass Door, Laboratory Refrigerator (TempPure Scientific LP-22HG-TP).....	6,409.93	105.60	
11 72 63 00-0012 Healthcare Blood Bank Refrigerators (11 72 63)					
11 72 63 00-0013	EA	25 CF, 4 Degree C Hinged Glass Door, Blood Bank Refrigerator (TempPure Scientific).....	11,699.38	105.60	
11 72 63 00-0014	EA	50 CF, 4 Degree C Hinged Glass Doors, Blood Bank Refrigerator (TempPure Scientific).....	16,880.63	147.81	
11 72 63 00-0015	EA	78 CF, 4 Degree C Three Hinged Glass Doors, Blood Bank Refrigerator (TempPure Scientific).....	22,269.84	147.81	
11 72 63 00-0016	EA	4.3 CF, 2 To 8 Degrees Celsius, Blood Bank Undercounter Refrigerator With One Locking Solid Door (TempPure Scientific).....	5,200.34	23.10	
11 72 63 00-0017	EA	Negative 15 To Negative 25 Degrees Celsius, Blood Bank Undercounter Refrigerator (ABS Premier ABT-HC-UCBI-0420SS).....	1,422.04	23.10	
11 72 63 00-0018 Healthcare Medical Freezers (11 72 63)					
11 72 63 00-0019	EA	78" Height x 28.3" Width x 38.5" Depth, Negative 50 To Negative 86 Degrees Celsius Temperature Range, Medical Freezer (Hogentogler RDE40086LA).....	18,042.38	26.42	
11 72 63 00-0020	EA	26.75" Width x 32.75" Depth x 82.75" Height, Low To Negative 10 Degrees Fahrenheit Temperature Range, Medical Freezer (Arctic Air AF23).....	1,886.22	26.42	
11 72 63 00-0021	EA	Negative 20 To Negative 30 Degrees Celsius, Medical Freezer (Accucold VT65).....	1,582.69	23.10	
11 72 63 00-0022 Healthcare Vaccine Freezers (11 72 63)					
11 72 63 00-0023	EA	17-1/2" Width x 19-3/4" Depth x 21-1/2" Height, 2 To 8 Degrees Celsius Temperature Range, Compact Vaccine Refrigeration Freezer (Accucold ARG1PV).....	973.82	23.10	
11 72 63 00-0024	EA	17-1/2" Width x 19-3/4" Depth x 21-1/2" Height, 2 To 8 Degrees Celsius Temperature Range, Compact Vaccine Refrigeration Freezer (Accucold ARG1PVDL2B).....	1,402.67	23.10	

				Equipment	11	
				Healthcare Equipment	11 70	⇅
				Examination and Treatment Equipment	11 72	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

11 72 63 00-0025	EA	23.38" Width x 24.5" Depth x 50' Height, 2 To 8 Degrees Celsius Temperature Range, Upright Vaccine Refrigeration Freezer (Accucold ARG8PV)	1,386.86	26.42	
11 72 63 00-0026	EA	21-5/8" Width x 21-5/8" Depth, 33 To 40 Degrees Fahrenheit Temperature Range, Upright Vaccine Refrigeration Freezer (Avantco GDC-10-HC)	1,083.57	26.42	
11 72 63 00-0027	EA	23.38" Width x 24.5" Depth x 50' Height, 2 To 8 Degrees Celsius Temperature Range, Solid Door, Upright Vaccine Refrigeration Freezer (Accucold ARS8PV)	1,312.32	26.42	
11 72 63 00-0028	EA	20.1" Width x 20.9" Depth x 25.8' Height, 2 To 8 Degrees Celsius Temperature Range, Stacked, Combination Pharmaceutical-Vaccine Refrigeration Freezer (K2 Scientific K202GDR)	1,019.69	23.10	
11 72 63 00-0029	EA	18-1/2" Width x 20" Depth x 34" Height, 2 To 8 Degrees Celsius Temperature Range, Counter Height Pharmaceutical-Vaccine Refrigeration Freezer (Accucold ARS3PV)	962.93	23.10	
11 72 63 00-0030	EA	23-3/42" Width x 24" Depth x 20-3/8' Height, 5 To Negative 13 Degrees Fahrenheit Temperature Range, Vaccine Refrigeration Freezer (CliniCool LHP-1-FA-PH)	2,693.16	23.10	
11 72 63 00-0031	EA	23-3/4" Width x 24" Depth x 20-3/4' Height, 5 To Negative 13 Degrees Fahrenheit Temperature Range, Solid Swing Door, Vaccine Refrigeration Freezer (CliniCool LHP-2-FM-PH)	1,331.57	23.10	

11 73 Patient Care Equipment (11 70)

11 73 23 Patient Lift (11 73)

11 73 23 00-0001 Ceiling Patient Lift (11 73 23)

11 73 23 00-0002	EA	Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift	14,257.03		
Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.					

11 73 23 00-0003 Ceiling Patient Lift System (11 73 23)

Note: Guldman					
11 73 23 00-0004	EA	GH2 HD AC UL Ceiling Mounted Hoist, 550 Lb. Weight Capacity, With Hand Control	13,977.86	1,167.19	
11 73 23 00-0005	EA	550 Lb. Weight Capacity, Hanging Bar GH2 Standard Snap Hook	767.20		
11 73 23 00-0006	EA	550 Lb. Weight Capacity, Traverse Traveling Trolley Room Covering System	926.62	162.11	
11 73 23 00-0007	EA	GH2 HD Twin Strap Ceiling Mounted Hoist, 1,000 Lb. Weight Capacity, With Hand Control	19,788.58	1,621.10	
11 73 23 00-0008	EA	1,000 Lb. Weight Capacity, Hanging Bar	6,799.69		
11 73 23 00-0009	EA	1,000 Lb. Weight Capacity, Traverse Traveling Trolley Room Covering System	2,110.83	356.64	
11 73 23 00-0010	LF	Aluminum Midi Rail	387.84	38.91	
11 73 23 00-0011	EA	Wire For Charging Liner	146.57		
11 73 23 00-0012	LF	Charging Liner For Midi Rail	162.19		
11 73 23 00-0013	EA	End Stops	72.19		
11 73 23 00-0014	EA	Standard Ceiling Brackets	226.21	38.91	
11 73 23 00-0015	EA	Charging Kit For Room-Covering System With Midi Rails	434.12		
11 73 23 00-0016	EA	Lock For Charging Liner	86.30		
11 73 23 00-0017	EA	Cover Plate For Midi Rail	8.45		
11 73 23 00-0018	EA	Rosette White	4.79		
11 73 23 00-0019	EA	Aluminum Pipe 2M Profile	216.61		
11 73 23 00-0020	EA	Repositioning Sling Gold, 3 Slings Per System	353.34		
11 73 23 00-0021	EA	Uni D M/L High Black - 550 Lb. Capacity Sling, 2 Slings Per System	194.06		
11 73 23 00-0022	EA	Uni D L/XL High Black - 550 Lb. Capacity Sling, 2 Slings Per System	194.06		
11 73 23 00-0023	EA	Disposable Limb Lifter, 2 Slings Per System	92.23		
11 73 23 00-0024	EA	Disposable Turner Sling, 1 Sling Per System	227.84		

11 74 Dental Equipment (11 70)

11 74 00 00-0001 Dental Furnishings (11 74)

11 74 00 00-0002	EA	Dental Equipment, Complete For Dental Exam And Treatment	53,617.69	567.51	
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11 74 00 00-0003 Dental Care Equipment (11 74)

11 74 00 00-0004	EA	Dental Equipment, Drill Console With Accessories	11,501.25	2,040.88	
11 74 00 00-0005	EA	Dental Equipment, Amalgamator Can Triturate All Alloys, Composites, Silicates And Cements	791.41	56.75	
11 74 00 00-0006	EA	Dental Equipment, Lath-Finish Polish With 1/4 HP Two-Speed	837.02	37.84	
11 74 00 00-0007	EA	Dental Equipment, Lath 1/4 HP Heavy-Duty For Grinding And Polishing Lathe	912.68	75.67	
11 74 00 00-0008	EA	Dental Equipment, Model Trimmer 1/2 HP Bench Mounted	1,666.02	47.30	
11 74 00 00-0009	EA	Dental Equipment, Wall Mounted Dely System Automatic Control Of 3-5 Handpieces (130,000 RPM)	7,099.05	47.30	
11 74 00 00-0010	EA	Dental Equipment, Sandblaster 110 Volt Bench Mounted, 9" x 9" x 9 " Air Operated	820.27	66.21	
11 74 00 00-0011	EA	Dental Equipment, Ultrasonic Cleaner Desk Mounted, With Heater And Timer Plastic	1,424.33	104.05	
11 74 00 00-0012	EA	Dental Equipment, Curing Unit Bench Mounted, 17" x 17" x 16"	3,715.91	189.17	
11 74 00 00-0013	EA	Dental Equipment, Oral Evacuation System Dual 2 HP Pump, 16" x 24" x 24"	11,551.80	141.88	
11 74 00 00-0014	EA	Dental Equipment, Sterilizer 2 Trays With Chamber 11" Wide x 5" High x 7" Deep 16 In With Safety Feature Arrangements And Accessories	1,518.69	66.21	

11 74 00 00-0015 Dental Lights (11 74)

11 74 00 00-0016	EA	Dental Lights, Floor/Ceiling Mounted	4,359.61	554.15	
11 74 00 00-0017	EA	Dental Lights, Fixed Ceiling Mounted	4,341.75	162.32	

11 74 00 00-0018 X-Ray Unit (11 74)

11 74 00 00-0019	EA	Dental X-Ray Unit, Mobile	14,723.44	351.41	
11 74 00 00-0020	EA	Dental X-Ray Unit, 76" Wall Mounted	12,247.26	1,121.81	
11 74 00 00-0021	EA	Dental X-Ray Unit, 72" With Remote Including All Accessories	12,778.75	1,633.64	
11 74 00 00-0022	EA	Dental X-Ray Unit, Illuminator For Desk Or Wall, 5" x 14" Screen	406.13	40.54	
11 74 00 00-0023	EA	X-Ray Film Processor, Desk Top With Daylight Loader	11,788.36	945.85	
11 74 00 00-0024	EA	X-Ray Unit Shield, 33" x 74" x 7" Lead Lined And Portable	9,342.47	75.67	

11	11	Equipment
	11 70	Healthcare Equipment
	11 74	Dental Equipment



MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST

11 74 00 00-0025		Miscellaneous Equipment ^(11 74)		
11 74 00 00-0026	EA	Chair, X-Ray Utility, Electric.....	43,221.04	6.62
11 74 00 00-0027	EA	Engines, 3 Section Engine Arm With foot Rheostat At 40,000 RPM Slip On Wrist Joint	1,914.90	37.84
11 74 00 00-0028	EA	Auto Glazing Furnace, 110 Volt, 6" Wide x 11" High x 6" Deep 9 X 5 X 4 In Including All Features Of Maximum Temperature, Automatic Controls, Etcetera.....	2,117.38	56.75
11 74 00 00-0029	EA	Dental Cabinet, 6" x 4" x 7" With Drawers, With Fold-in Door And 1 Pull Out Shelf 3-Large Drawers On Left Side, Large Fold-In Door With 1-Pull Out Shelf And 2-Large Drawers On Right Side	6,517.61	56.75
11 74 00 00-0030	EA	Removal And Storage For Reinstallation Of Steam Cleaner	161.10	

11 75 Optical Equipment ^(11 70)

11 75 00 00-0001		Optical Furnishings ^(11 75)		
11 75 00 00-0002	EA	Optical Exam Chair And Stand	39,706.79	283.76
11 75 00 00-0003	EA	Optical, Chart Amsler Bookform	85.75	0.94
11 75 00 00-0004	EA	Optical Drum, Optokinetic	134.95	2.84
11 75 00 00-0005	EA	Optical, Exophthalmometer.....	31.31	2.84
11 75 00 00-0006	EA	Optical, Gonioscope.....	1,290.49	2.84
11 75 00 00-0007	EA	Optical, Hyfector; Desk Mounted With Handle And Needle Surgical Unit.....	834.77	2.84
11 75 00 00-0008	EA	Optical Light, Muscle Wall.....	193.80	2.84
11 75 00 00-0009	EA	Desk Mounted Slit Lamp With Microscope And Inclined Eyetubes	393.85	94.59
11 75 00 00-0010	EA	Hand Held Magnifier Light With 3x Ground And Polished Lens White Fluorescent Light	156.57	2.84
11 75 00 00-0011	EA	Ultramatic Phoropter.....	4,633.58	37.84
11 75 00 00-0012	EA	1 Meter Compact Screen Tangent.....	127.55	14.19
11 75 00 00-0013	EA	Anode Aluminum Trial Set, Color Coded	1,998.12	37.84
11 75 00 00-0014	EA	Desk Mounted Vision Tester.....	365.63	141.88

11 76 Operating Room Equipment ^(11 70)

11 76 00 00-0001		Surgical Tables ^(11 76)		
11 76 00 00-0002	EA	Surgical Equip, Table - Standard	116,005.83	801.84
11 76 00 00-0003	EA	Surgical Equip, Table - Deluxe	139,534.28	1,145.47

11 76 00 00-0004		Lights ^(11 76)		
11 76 00 00-0005	EA	Surgical Equip, Lights - General	35,842.63	4,278.66
11 76 00 00-0006	EA	Surgical Light, 5 Lamp 22" Diameter, Ceiling Mounted.....	85,080.56	907.60
11 76 00 00-0007	EA	Surgical Light, 8 Lamp 30" Diameter, Ceiling Mounted.....	102,060.41	1,166.91

11 76 00 00-0008		Water Still ^(11 76)		
11 76 00 00-0009	EA	Water Still 4 Liter/Hour.....	2,572.22	194.58
11 76 00 00-0010	EA	Water Still 8 Liter/Hour.....	3,763.53	194.58
11 76 00 00-0011	EA	Distilled Water 19 Liters/Hour, Wall Mounted	13,068.32	454.01
11 76 00 00-0012	EA	Gas Aerator Bench Mounted, Chamber 16" x 24" x 18"	4,408.45	1,076.66
11 76 00 00-0013	EA	Ultrasonic Cleaner	2,506.35	604.34
11 76 00 00-0014	EA	Water Deionizer, 10 GPM Floor Mounted.....	8,158.84	335.75

11 77 Radiology Equipment ^(11 70)

11 77 00 00-0001		Radiology Furnishings ^(11 77)		
11 77 00 00-0002	EA	Radiology Generator, 3 Phase 12 Pulse 480 V For Two X-Ray Tubes.....	346,882.70	5,615.20
11 77 00 00-0003	EA	Radiology Generator, 3 Phase 12 Pulse 480 V For 2 X-Ray Tubes, 1 Per Table Over Table .02-.05 In Focal Spot X-Ray Tube And One Pair Of High Tension Cables	400,777.02	5,615.20
11 77 00 00-0004	EA	Radiograph And Fluoroscopic Table, Motor Operator With 15-90 Degree Tilting Trendelenburg To 90 Degree Vertical, Motor Operated.....	454,131.70	11,513.76
11 77 00 00-0005	EA	Radiographic Table, Motor Driven With 12-90 Degree Tilting Trendelenburg To 90 Degree Vertical.....	113,419.81	5,756.88
11 77 00 00-0006	EA	Fluoroscope Image/TV System Dual Mode 5" /9" High Performance NCE Image Intensifier System With Iodide Input Screens And Collimator Lens	181,643.47	14,392.20
11 77 00 00-0007	EA	Developing Processor, 385 Sheets Of Film Per Hour	65,954.37	1,556.63
11 77 00 00-0008	EA	Cassette Transfer Cabinet, 4 Door 22" x 22" x 22" With Lead Lining Components 18" x 8" x 18" Each Lined With Grooved Rubber Pads	6,493.70	94.59
		Note: Including manual interlock, 1/16" lead lining, etc.		
11 77 00 00-0009	LF	Base Storage Cabinet, Sectional Carbon Steel Or Plastic Laminate Part Steel Or Plastic Laminate Particle Board With Doors And Counter Top With Back Splash- 24" Deep And 35" High.....	2,582.63	81.39
11 77 00 00-0010	LF	Wall Storage Cabinet With Door Carbon Steel Or Plastic Laminate Particle Board With Doors	3,149.20	94.96
11 77 00 00-0011	LF	Bucky Wall Stand, Vertical Floor/Wall Mounted With Cassette Tray Adjustable Controls, Counter-Balanced LF Bucky Diaphragm Cassette Tray - 30" Deep And 16" High	29,548.51	63.75
11 77 00 00-0012	SF	Ceiling Tubemount, 59" Deep	75,665.80	5.43

11 77 00 00-0013		Wall Mounted Area Monitor ^(11 77)		
11 77 00 00-0014	EA	Digital Wall Mount Area Monitor (Ludlum M 375-30 With 2E44-99 FBGLS).....	16,856.27	

11 78 Mortuary Equipment ^(11 70)

11 78 13		Mortuary Refrigerators ^(11 78)		
11 78 13 00-0001		Healthcare Mortuary Coolers ^(11 78 13)		

		Equipment	11
		Healthcare Equipment	11 70
		Mortuary Equipment	11 78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 78 13 00-0002	EA		6' 8 1/2" Width x 2' 8 1/2" Depth x 5' 2" Height, One Body Economy, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1BR)	9,328.73	985.47
11 78 13 00-0003	EA		7'3" Depth x 3' Width x 5'2" Height, Three Body Oversized, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #3BX)	13,232.95	985.47
11 78 13 00-0004	EA		7' 3" Depth x 3' 6 3/4" Width x 6'8" Height, Four Body Oversized, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model # 4BX)	14,400.08	1,478.16
11 78 13 00-0005	EA		10' Length x 8' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #0810)	16,611.08	1,478.16
11 78 13 00-0006	EA		10' Length x 10' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1010)	19,179.98	1,478.16
11 78 13 00-0007	EA		10' Length x 15' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1015)	24,852.35	2,956.31
11 78 13 00-0008	EA		20' Length x 20' Width, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #2020)	35,342.33	2,956.31
11 78 13 00-0009	EA		8' 1" Width x 7' 4" Depth x 5' Height, Triple Cot, Roll-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #TR3)	15,210.36	1,478.16

11 79 Therapy Equipment ^(11 70)

11 79 00 00-0001 Physical Therapy Furnishings ^(11 79)

11 79 00 00-0002	EA		15" x 7" x 27" x 10" Paraffin Bath, 115 V For Hand And Foot (Mobile)	2,148.61	470.05
11 79 00 00-0003	EA		Hydrotherapy Adjustable Chair With Mobile Whirlpool Baths	183.54	14.19
11 79 00 00-0004	EA		Diatheermy, Short-wave And Portable	5,777.81	47.30
11 79 00 00-0005	EA		35" x 15" Portable Exercise Bike	879.50	37.84
11 79 00 00-0006	EA		Hydrocollator, 129" x 90" x 90" 4 Pack Portable	1,214.68	14.19
11 79 00 00-0007	EA		Lamp, Infrared With 3 Heat Variable Control	2,425.47	38.96
11 79 00 00-0008	EA		Lamp, Ultra Violet With 425 Watt Base Mounted With Casters, Tubular	1,523.88	38.96
11 79 00 00-0009	EA		Mirror, Posture Type 1 Section 27" Wide x 72" High Mounted On Casters	1,496.74	28.37
11 79 00 00-0010	EA		Parallel Bars, 12' Long Portable; Adjustable With Platform	2,637.98	122.96
11 79 00 00-0011	EA		Exercise Mat, 4' Wide x 10' Long x 1" Deep Urethane Foam, Nylon With handles; Side Walls, Heavy-Duty Nylon Stitching, Etcetera	531.48	18.91
11 79 00 00-0012	EA		Wall Pulley, Duplex And Wall Mounted	5,134.89	321.59
11 79 00 00-0013	EA		66" x 16" x 13" Wall Mounted Crutch Rack	950.87	113.50
11 79 00 00-0014	EA		Room, Prefab 72" x 76" x 78" Single Wall Construction And Soundproof 78 In High Inside	12,490.18	2,882.89
11 79 00 00-0015	EA		Stimulator, Galvanic - Faradic	128.47	47.30
11 79 00 00-0016	EA		Ultrasound, Muscle Stimulator 13" x 13 " x 8" Portable Cart Mounted	4,827.68	75.67
11 79 00 00-0017	EA		Sandbag Set With Velcro Straps Saddle Bag Type	610.91	14.19
11 79 00 00-0018	EA		Whirlpool Lo-Boy, Mobile Stainless Steel 18" Deep x 24" Wide x 60" Long Capacity With All Accessories	3,435.03	324.42
11 79 00 00-0019	EA		Whirlpool, (Arm, Leg And Hip), Stainless Steel 28" Deep x 42" Long x 20" Wide With Accessories Tank 65 Gallon Capacity	3,114.03	324.42
11 79 00 00-0020	EA		Whirlpool 60 In X 42 In With All Accessories	3,367.72	283.79
11 79 00 00-0021	EA		Whirlpool 83 In X 64-1/2 In With All Accessories	5,376.56	355.43
11 79 00 00-0022	EA		Whirlpool 103 In X 86-1/2 In X 34-1/2 In, With 5.5 KW Heater	6,005.26	391.37
11 79 00 00-0023	EA		Whirlpool 103 In X 86-1/2 In X 34-1/2 In, With 11 KW Heater	6,209.60	391.37
11 79 00 00-0024	EA		Whirlpool 103 In X 86-1/2 In X 34-1/2 In, With 160 MBH Gas Heater	7,625.36	420.31
11 79 00 00-0025	EA		Wagon, Dumbbell Storage 46" x 25" x 41" Size Dumbbells	1,078.10	47.30
11 79 00 00-0026	EA		Steam Bath, Timer And Head To 140 CF	2,695.27	434.42
11 79 00 00-0027	EA		Steam Bath, Timer And Head To 300 CF	3,030.64	473.60
11 79 00 00-0028	EA		Steam Bath, Timer And Head To 800 CF	6,260.43	583.73
11 79 00 00-0029	EA		Steam Bath, Timer And Head To 1200 CF	10,943.11	648.59

11 80 Facility Maintenance and Operation Equipment ⁽¹¹⁾

11 81 Maintenance Equipment ^(11 80)

11 81 29 Facility Fall Protection ^(11 81)

11 81 29 00-0001 Safety And Tie-Back Anchors ^(11 81 29)

Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0048 for engineering testing and inspection.

11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors ^(11 81 29 00-0001)

Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0003	EA		Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	844.38	101.74
Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.					
For Stainless Steel Pad Eye, Add				40.00	
For Foam Insulation Filled HSS Tube, Add				10.00	
11 81 29 00-0004	EA		Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	726.11	101.74
Note: Includes drilling in concrete and adhesive anchor systems.					
For Stainless Steel Pad Eye, Add				40.00	
For Foam Insulation Filled HSS Tube, Add				10.00	
11 81 29 00-0005	EA		Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	510.35	85.66
For Stainless Steel Pad Eye, Add				40.00	
For Foam Insulation Filled HSS Tube, Add				10.00	

11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor ^(11 81 29 00-0001)

Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.

11	11	Equipment
	11 80	Facility Maintenance and Operation Equipment
	11 81	Maintenance Equipment



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	596.74		101.74
		<i>For Stainless Steel Pad Eye, Add</i>	40.00		
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	538.74		101.74
		<i>For Stainless Steel Pad Eye, Add</i>	40.00		
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) <i>For Stainless Steel Pad Eye, Add</i>	447.56 40.00		85.66
11 81 29 00-0010 Safety And Tie-Back Anchor Accessories (11 81 29 00-0001)					
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	456.60		
11 81 29 00-0012 Ladder Safety And Fall Protection (11 81 29)					
11 81 29 00-0013	EA	Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280).....	304.73		18.90
11 81 29 00-0014	EA	Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024).....	46.03		2.75
11 81 29 00-0015	EA	Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030).....	57.54		6.87
11 81 29 00-0016	EA	Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040).....	76.72		4.58
11 81 29 00-0017	EA	Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050).....	95.91		5.73
11 81 29 00-0018	EA	Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400).....	62.85		4.29
11 81 29 00-0019	EA	Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054).....	589.47		11.45
11 81 29 00-0020	EA	Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090).....	139.81		11.34
11 81 29 00-0021 Fall-Arrest Systems (11 81 29)					
11 81 29 00-0022 Horizontal (11 81 29 00-0021)					
11 81 29 00-0023	LF	Trolley Rail Fall Arrest System..... Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.	820.13		54.58
11 81 29 00-0024 Anchor Points (11 81 29 00-0021)					
11 81 29 00-0025	EA	Roof Anchor, 16" x 16" Base With 12" High Post..... Note: Guardian CD-12 series	683.92		
11 81 29 00-0026	EA	Roof Anchor, 12" x 12" Base With 18" High Post..... Note: Guardian CD-18 series	797.68		
11 81 29 00-0027	EA	Bolt On Roof Anchor..... Note: Guardian CD-1-B series	306.13		
11 81 29 00-0028	EA	Fall Arrest Anchor Attachment To 2" x 8" Stud Note: Super Anchor ARS 2x8	147.03		
11 81 29 00-0029	EA	Fall Arrest Anchor Attachment To 2" x 12" Stud Note: Super Anchor ARS 2x12	171.09		
11 82 Facility Solid Waste Handling Equipment (11 80)					
11 82 19 Packaged Incinerators (11 82)					
11 82 19 00-0001 Electric Incinerator (11 82 19)					
11 82 19 00-0002	EA	Electric Package Incinerator, 100 Lb./Hour.....	40,977.88		1,118.07
11 82 19 00-0003	EA	Electric Package Incinerator, 400 Lb./Hour.....	83,845.34		2,236.16
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 Lb./Hour.....	283,413.80		3,354.23
11 82 26 Facility Waste Compactors (11 82)					
11 82 26 00-0001 Waste Compactors (11 82 26)					
11 82 26 00-0002 110 Volt Compactors (11 82 26 00-0001)					
11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 Lb./Hour.....	22,365.44		609.23
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 Lb./Hour.....	28,111.91		1,462.15
11 82 26 00-0005 230 Volt Compactors (11 82 26 00-0001)					
11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Hand Fed.....	28,060.42		1,949.54
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Chute Fed.....	31,643.37		2,558.76

END OF SECTION 11

		Furnishings	12	12
		Operation and Maintenance of Furnishings	12 01	
		Operation and Maintenance of Multiple Seating	12 01 60	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

12 Furnishings

12 01 Operation and Maintenance of Furnishings ⁽¹²⁾

12 01 60 Operation and Maintenance of Multiple Seating ^(12 01)

12 01 60 00-0001	Repair Fixed Auditorium Seating ^(12 01 60)		
12 01 60 00-0002	EA Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part.....	206.20	
12 01 60 00-0003	EA Removal And Replacement Of Auditorium Seat Armrest Part.....	96.38	
12 01 60 00-0004	EA Removal And Replacement Of End Armrest Part.....	133.84	
12 01 60 00-0005	EA Removal And Replacement Of Auditorium Seat Kick Plate Part.....	153.08	
12 01 60 00-0006	EA Removal And Replacement Of Auditorium Seat Long Back Part.....	249.68	
12 01 60 00-0007	EA Removal And Replacement Of Auditorium Seat Center Standard Part	204.24	
12 01 60 00-0008	EA Removal And Replacement Of Auditorium Seat Back Bracket Part	77.55	
12 01 60 00-0009	EA Removal And Replacement Of Auditorium Seat Bracket Part	81.82	
12 01 60 00-0010	EA Secure Seat To Floor.....	77.37	
12 01 60 00-0011	EA Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor	84.91	
Note: Includes drilling and fasteners.			
For Epoxy Anchoring, Add			27.18

12 20 Window Treatments ⁽¹²⁾

12 21 Window Blinds ^(12 20)

12 21 13 Horizontal Louver Blinds ^(12 21)

Note: Includes head rail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds ^(12 21 13)

12 21 13 13-0001	Aluminum Horizontal Louver Blinds ^(12 21 13 13)		
12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	12.54	1.10
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	10.30	1.10
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	11.16	1.10
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	12.88	1.10

12 21 13 33 Plastic Horizontal Louver Blinds ^(12 21 13)

12 21 13 33-0001	Vinyl Horizontal Louver Blinds ^(12 21 13 33)		
12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds.....	10.64	1.10
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds.....	12.28	1.10

12 21 16 Vertical Louver Blinds ^(12 21)

Note: Includes head rail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds ^(12 21 16)

12 21 16 13-0001	Aluminum Vertical Louver Blinds ^(12 21 16 13)		
12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	14.79	2.32

12 21 16 33 Plastic Vertical Louver Blinds ^(12 21 16)

12 21 16 33-0001	Vinyl Vertical Louver Blinds ^(12 21 16 33)		
12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds.....	9.70	2.32
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds.....	13.41	2.32

12 22 Curtains and Drapes ^(12 20)

12 22 13 Draperies ^(12 22)

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0001	Lined Draperies ^(12 22 13)		
12 22 13 00-0002	Up To 48" Wide Lined Draperies ^(12 22 13 00-0001)		
12 22 13 00-0003	EA Up To 39" Long, Up To 48" Wide Lined Draperies	377.69	16.96
12 22 13 00-0004	EA >39" To 63" Long, Up To 48" Wide Lined Draperies.....	393.14	16.96
12 22 13 00-0005	EA >63" To 72" Long, Up To 48" Wide Lined Draperies.....	418.25	16.96
12 22 13 00-0006	EA >72" To 81" Long, Up To 48" Wide Lined Draperies.....	427.90	16.96
12 22 13 00-0007	EA >81" To 90" Long, Up To 48" Wide Lined Draperies.....	451.08	16.96
12 22 13 00-0008	EA >90" To 99" Long, Up To 48" Wide Lined Draperies.....	481.98	16.96
12 22 13 00-0009	EA >99" To 108" Long, Up To 48" Wide Lined Draperies.....	501.29	16.96
12 22 13 00-0010	EA >108" To 120" Long, Up To 48" Wide Lined Draperies.....	528.33	16.96
12 22 13 00-0011	EA >120" To 130" Long, Up To 48" Wide Lined Draperies.....	570.82	16.96
12 22 13 00-0012	>48" To 72" Wide Lined Draperies ^(12 22 13 00-0001)		
12 22 13 00-0013	EA Up To 39" Long, >48" To 72" Wide Lined Draperies.....	548.27	23.06
12 22 13 00-0014	EA >39" To 63" Long, >48" To 72" Wide Lined Draperies.....	583.03	23.06
12 22 13 00-0015	EA >63" To 72" Long, >48" To 72" Wide Lined Draperies.....	610.07	23.06
12 22 13 00-0016	EA >72" To 81" Long, >48" To 72" Wide Lined Draperies.....	633.24	23.06

12 Furnishings
12 20 Window Treatments
12 22 Curtains and Drapes

MINOR
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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies	687.32	23.06
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies	714.36	23.06
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies	737.54	23.06
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies	787.75	23.06
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies	841.83	23.06

12 22 13 00-0022 >72" To 96" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies	726.57	29.17
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies	776.79	29.17
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies	799.96	29.17
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies	854.04	29.17
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies	904.25	29.17
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies	954.47	29.17
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies	981.51	29.17
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies	1,035.58	29.17
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies	1,108.97	29.17

12 22 13 00-0032 >96" To 120" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies	916.46	35.27
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies	966.68	35.27
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies	993.72	35.27
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies	1,070.97	35.27
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies	1,121.18	35.27
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies	1,175.26	35.27
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies	1,466.67	35.27
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies	1,306.59	35.27
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies	1,345.22	35.27

12 22 13 00-0042 >120" To 144" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies	1,083.18	41.37
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies	1,156.57	41.37
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies	1,183.61	41.37
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies	1,260.86	41.37
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies	1,338.12	41.37
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies	1,415.37	41.37
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies	1,492.62	41.37
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies	1,569.88	41.37
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies	1,666.44	41.37

12 22 13 00-0052 >144" To 168" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies	1,273.07	47.48
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies	1,350.33	47.48
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies	1,408.27	47.48
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies	1,485.52	47.48
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies	1,562.77	47.48
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies	1,659.34	47.48
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies	1,736.59	47.48
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies	1,813.85	47.48
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies	1,949.04	47.48

12 22 13 00-0062 >168" To 192" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies	1,439.78	53.58
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies	1,536.35	53.58
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies	1,594.29	53.58
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies	1,690.85	53.58
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies	1,768.10	53.58
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies	1,864.67	53.58
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies	2,019.18	53.58
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies	2,077.12	53.58
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies	2,212.31	53.58

12 22 13 00-0072 >192" To 216" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies	1,625.81	59.69
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies	1,703.06	59.69
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies	1,780.31	59.69
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies	1,896.19	59.69
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies	2,012.07	59.69
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies	2,127.95	59.69
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies	2,224.52	59.69
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies	2,321.09	59.69
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies	2,494.91	59.69

12 22 13 00-0082 >216" To 240" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies	1,792.52	65.79
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies	1,927.72	65.79
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies	1,985.66	65.79
12 22 13 00-0086	EA	>72" To 81" Long, >216" To 240" Wide Lined Draperies	2,101.54	65.79

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0087	EA		>81" To 90" Long, >216" To 240" Wide Lined Draperies	2,236.73	65.79
12 22 13 00-0088	EA		>90" To 99" Long, >216" To 240" Wide Lined Draperies	2,352.61	65.79
12 22 13 00-0089	EA		>99" To 108" Long, >216" To 240" Wide Lined Draperies	2,468.49	65.79
12 22 13 00-0090	EA		>108" To 120" Long, >216" To 240" Wide Lined Draperies	2,584.37	65.79
12 22 13 00-0091	EA		>120" To 130" Long, >216" To 240" Wide Lined Draperies	2,777.50	65.79
12 22 13 00-0092			Auditorium Window Curtain (12 22 13)		
12 22 13 00-0093			One Panel, Straight Top, Valance, Window Curtain (12 22 13 00-0092)		
12 22 13 00-0094	EA		One 6' x 3' Panel, Straight Top, Valance, Window Curtain	550.67	12.94
			For Curved Proscenium Valance, Add	328.88	
12 22 13 00-0095	EA		One 12' x 3' Panel, Straight Top, Valance, Window Curtain	700.75	25.77
			For Curved Proscenium Valance, Add	328.88	
12 22 13 00-0096	EA		One 18' x 3' Panel, Straight Top, Valance, Window Curtain	1,004.43	46.39
			For Curved Proscenium Valance, Add	328.88	
12 22 13 00-0097	EA		One 28' x 3' Panel, Straight Top, Valance, Window Curtain	1,525.60	72.16
			For Curved Proscenium Valance, Add	328.88	
12 22 13 00-0098	EA		One 6' x 6' Panel, Straight Top, Valance, Window Curtain	744.04	12.94
			For Curved Proscenium Valance, Add	328.88	
12 22 13 00-0099	EA		One 12' x 6' Panel, Straight Top, Valance, Window Curtain	1,046.07	25.77
			For Curved Proscenium Valance, Add	328.88	
12 22 13 00-0100	EA		One 18' x 6' Panel, Straight Top, Valance, Window Curtain	1,377.38	46.39
			For Curved Proscenium Valance, Add	328.88	
12 22 13 00-0101	EA		One 28' x 6' Panel, Straight Top, Valance, Window Curtain	2,147.19	72.16
			For Curved Proscenium Valance, Add	328.88	
12 22 13 00-0102			6' Wide Opening, Two Panel, Bi-Parting, Window Curtain (12 22 13 00-0092)		
12 22 13 00-0103	PR		Two 4' x 8' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,329.41	8.59
12 22 13 00-0104	PR		Two 4' x 10' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,398.47	8.59
12 22 13 00-0105	PR		Two 4' x 12' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,495.16	8.59
12 22 13 00-0106	PR		Two 4' x 14' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,633.30	8.59
12 22 13 00-0107	PR		Two 4' x 16' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,771.42	8.59
12 22 13 00-0108	PR		Two 4' x 18' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,964.81	8.59
12 22 13 00-0109	PR		Two 4' x 20' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	2,155.42	8.59
12 22 13 00-0110			12' Wide Opening, Two Panel, Bi-Parting, Window Curtain (12 22 13 00-0092)		
12 22 13 00-0111	PR		Two 7' x 8' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	1,687.67	15.01
12 22 13 00-0112	PR		Two 7' x 10' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	1,825.80	15.01
12 22 13 00-0113	PR		Two 7' x 12' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	1,963.92	15.01
12 22 13 00-0114	PR		Two 7' x 14' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,129.68	15.01
12 22 13 00-0115	PR		Two 7' x 16' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,350.68	15.01
12 22 13 00-0116	PR		Two 7' x 18' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,571.69	15.01
12 22 13 00-0117	PR		Two 7' x 20' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,806.52	15.01
12 22 13 00-0118			18' Wide Opening, Two Panel, Bi-Parting, Window Curtain (12 22 13 00-0092)		
12 22 13 00-0119	PR		Two 10' x 8' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	2,239.20	21.53
12 22 13 00-0120	PR		Two 10' x 10' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	2,474.02	21.53
12 22 13 00-0121	PR		Two 10' x 12' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	2,764.10	21.53
12 22 13 00-0122	PR		Two 10' x 14' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	3,040.36	21.53
12 22 13 00-0123	PR		Two 10' x 16' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	3,358.04	21.53
12 22 13 00-0124	PR		Two 10' x 18' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	3,946.48	21.53
12 22 13 00-0125	PR		Two 10' x 20' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	4,283.51	21.53
12 22 13 00-0126			28' Wide Opening, Two Panel, Bi-Parting, Window Curtain (12 22 13 00-0092)		
12 22 13 00-0127	PR		Two 15' x 8' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	3,628.21	32.19
12 22 13 00-0128	PR		Two 15' x 10' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	4,175.18	32.19
12 22 13 00-0129	PR		Two 15' x 12' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	4,655.88	32.19
12 22 13 00-0130	PR		Two 15' x 14' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	4,912.80	32.19
12 22 13 00-0131	PR		Two 15' x 16' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	5,244.31	32.19
12 22 13 00-0132	PR		Two 15' x 18' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	5,575.82	32.19
12 22 13 00-0133	PR		Two 15' x 20' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	6,197.40	32.19
12 22 16			Drapery Track and Accessories (12 22)		
12 22 16 00-0001			Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)		
12 22 16 00-0002			Basic Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0003	EA		Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	157.18	52.25
12 22 16 00-0004	EA		Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	184.96	52.25
12 22 16 00-0005	EA		Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	220.30	58.06
12 22 16 00-0006	EA		Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	307.05	58.06
12 22 16 00-0007	EA		Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	318.15	63.87
12 22 16 00-0008			Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)		
12 22 16 00-0009	EA		Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	183.80	52.25
12 22 16 00-0010	EA		Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	201.74	52.25
12 22 16 00-0011	EA		Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	262.54	58.06
12 22 16 00-0012	EA		Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	301.36	63.87

12 Furnishings**12 20 Window Treatments****12 22 Curtains and Drapes**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 22 16 00-0013		Double Traverse Rod (12 22 16 00-0001)		
12 22 16 00-0014	EA	Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	229.52	52.25
12 22 16 00-0015	EA	Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	283.92	52.25
12 22 16 00-0016	EA	Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	357.75	58.06
12 22 16 00-0017	EA	Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	386.44	63.87

12 22 16 00-0018		Curtain Rods (12 22 16 00-0001)		
12 22 16 00-0019	LF	Standard Metal Curtain Rod, White	13.21	2.44

12 22 16 00-0020		Relocate Drapery And Rod (12 22 16 00-0001)		
12 22 16 00-0021	LF	Relocate Any Type Of Drapery And Any Type Rod	34.84	
		Note: Includes storage and cleaning.		

12 24 Window Shades (12 20)**12 24 13 Roller Window Shades (12 24)**

12 24 13 00-0001		Roller Window Shades (12 24 13)		
12 24 13 00-0002		Vinyl Coated Fiberglass, Roller Window Shades (12 24 13 00-0001)		
		Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	15.92	0.81
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	15.92	0.81

12 24 13 00-0005		Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades (12 24 13 00-0001)		
		Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	20.31	0.81

12 24 13 00-0007		Vinyl Coated Polyester, Roller Window Shades (12 24 13 00-0001)		
		Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	15.92	0.81

12 24 13 00-0009		MechoShade (12 24 13)		
		Note: Includes all hardware required for installation and stainless steel chain operator.		

12 24 13 00-0010		ThermoVeil 0700 Series (Blackout) Shade (12 24 13 00-0009)		
12 24 13 00-0011	EA	3' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	234.94	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0012	EA	3' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	284.98	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0013	EA	3' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	311.10	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0014	EA	3' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	332.88	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0015	EA	4' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	245.81	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0016	EA	4' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	302.37	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0017	EA	4' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	324.15	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0018	EA	4' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	350.28	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0019	EA	5' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	258.86	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0020	EA	5' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	321.94	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0021	EA	5' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	343.72	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0022	EA	5' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	369.85	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0023	EA	6' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	269.73	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0024	EA	6' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	341.51	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0025	EA	6' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	363.28	27.27	
		For Installation In Concrete Or Steel, Add	27.12		
		For Window Top >10' Above Finished Floor, Add	13.56		
12 24 13 00-0026	EA	6' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	387.24	32.72	
		For Installation In Concrete Or Steel, Add	32.54		
		For Window Top >10' Above Finished Floor, Add	16.27		
12 24 13 00-0027	EA	7' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	280.60	16.37	
		For Installation In Concrete Or Steel, Add	16.28		
		For Window Top >10' Above Finished Floor, Add	8.14		
12 24 13 00-0028	EA	7' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	361.08	21.82	
		For Installation In Concrete Or Steel, Add	21.70		
		For Window Top >10' Above Finished Floor, Add	10.85		
12 24 13 00-0029	EA	7' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	382.85	27.27	
		For Installation In Concrete Or Steel, Add	27.12		
		For Window Top >10' Above Finished Floor, Add	13.56		
12 24 13 00-0030	EA	7' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	408.99	32.72	
		For Installation In Concrete Or Steel, Add	32.54		
		For Window Top >10' Above Finished Floor, Add	16.27		
12 24 13 00-0031	EA	8' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	293.65	16.37	
		For Installation In Concrete Or Steel, Add	16.28		
		For Window Top >10' Above Finished Floor, Add	8.14		
12 24 13 00-0032	EA	8' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	382.83	21.82	
		For Installation In Concrete Or Steel, Add	21.70		
		For Window Top >10' Above Finished Floor, Add	10.85		
12 24 13 00-0033	EA	8' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	404.60	27.27	
		For Installation In Concrete Or Steel, Add	27.12		
		For Window Top >10' Above Finished Floor, Add	13.56		
12 24 13 00-0034	EA	8' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	428.55	32.72	
		For Installation In Concrete Or Steel, Add	32.54		
		For Window Top >10' Above Finished Floor, Add	16.27		
12 24 13 00-0035	EA	9' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	304.52	16.37	
		For Installation In Concrete Or Steel, Add	16.28		
		For Window Top >10' Above Finished Floor, Add	8.14		
12 24 13 00-0036	EA	9' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	402.40	21.82	
		For Installation In Concrete Or Steel, Add	21.70		
		For Window Top >10' Above Finished Floor, Add	10.85		
12 24 13 00-0037	EA	9' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	424.17	27.27	
		For Installation In Concrete Or Steel, Add	27.12		
		For Window Top >10' Above Finished Floor, Add	13.56		
12 24 13 00-0038	EA	9' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	448.12	32.72	
		For Installation In Concrete Or Steel, Add	32.54		
		For Window Top >10' Above Finished Floor, Add	16.27		
12 24 13 00-0039	EA	10' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	315.39	16.37	
		For Installation In Concrete Or Steel, Add	16.28		
		For Window Top >10' Above Finished Floor, Add	8.14		
12 24 13 00-0040	EA	10' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	421.97	21.82	
		For Installation In Concrete Or Steel, Add	21.70		
		For Window Top >10' Above Finished Floor, Add	10.85		
12 24 13 00-0041	EA	10' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	443.74	27.27	
		For Installation In Concrete Or Steel, Add	27.12		
		For Window Top >10' Above Finished Floor, Add	13.56		
12 24 13 00-0042	EA	10' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	500.31	32.72	
		For Installation In Concrete Or Steel, Add	32.54		
		For Window Top >10' Above Finished Floor, Add	16.27		
12 24 13 00-0043	EA	11' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	337.14	16.37	
		For Installation In Concrete Or Steel, Add	16.28		
		For Window Top >10' Above Finished Floor, Add	8.14		
12 24 13 00-0044	EA	11' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	458.93	21.82	
		For Installation In Concrete Or Steel, Add	21.70		
		For Window Top >10' Above Finished Floor, Add	10.85		
12 24 13 00-0045	EA	11' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	480.70	27.27	
		For Installation In Concrete Or Steel, Add	27.12		
		For Window Top >10' Above Finished Floor, Add	13.56		
12 24 13 00-0046	EA	11' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	526.40	32.72	
		For Installation In Concrete Or Steel, Add	32.54		
		For Window Top >10' Above Finished Floor, Add	16.27		
12 24 13 00-0047	EA	12' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	411.07	16.37	
		For Installation In Concrete Or Steel, Add	16.28		
		For Window Top >10' Above Finished Floor, Add	8.14		
12 24 13 00-0048	EA	12' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	480.67	21.82	
		For Installation In Concrete Or Steel, Add	21.70		
		For Window Top >10' Above Finished Floor, Add	10.85		
12 24 13 00-0049	EA	12' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	502.45	27.27	
		For Installation In Concrete Or Steel, Add	27.12		
		For Window Top >10' Above Finished Floor, Add	13.56		
12 24 13 00-0050	EA	12' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	554.67	32.72	
		For Installation In Concrete Or Steel, Add	32.54		
		For Window Top >10' Above Finished Floor, Add	16.27		
12 24 13 00-0051		ThermoVeil 0900 And 3000 Series Shade (12 24 13 00-0009)			
12 24 13 00-0052	EA	3' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	267.56	16.37	
		For Installation In Concrete Or Steel, Add	16.28		
		For Window Top >10' Above Finished Floor, Add	8.14		
12 24 13 00-0053	EA	3' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	328.47	21.82	
		For Installation In Concrete Or Steel, Add	21.70		
		For Window Top >10' Above Finished Floor, Add	10.85		
12 24 13 00-0054	EA	3' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	361.11	27.27	
		For Installation In Concrete Or Steel, Add	27.12		
		For Window Top >10' Above Finished Floor, Add	13.56		

12 Furnishings**12 20 Window Treatments****12 24 Window Shades**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 24 13 00-0055	EA	3' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	389.42	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0056	EA	3' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	482.96	38.17
		For Installation In Concrete Or Steel, Add	37.97	
		For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0057	EA	3' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	502.55	43.62
		For Installation In Concrete Or Steel, Add	43.39	
		For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0058	EA	4' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	287.12	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0059	EA	4' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	358.91	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0060	EA	4' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	395.90	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0061	EA	4' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	426.38	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0062	EA	4' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	528.63	38.17
		For Installation In Concrete Or Steel, Add	37.97	
		For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0063	EA	4' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	550.39	43.62
		For Installation In Concrete Or Steel, Add	43.39	
		For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0064	EA	5' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	304.52	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0065	EA	5' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	391.52	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0066	EA	5' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	432.87	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0067	EA	5' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	463.35	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0068	EA	5' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	578.64	38.17
		For Installation In Concrete Or Steel, Add	37.97	
		For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0069	EA	5' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	600.40	43.62
		For Installation In Concrete Or Steel, Add	43.39	
		For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0070	EA	6' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	326.26	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0071	EA	6' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	424.14	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0072	EA	6' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	467.66	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0073	EA	6' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	502.48	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0074	EA	6' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	628.65	38.17
		For Installation In Concrete Or Steel, Add	37.97	
		For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0075	EA	6' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	650.41	43.62
		For Installation In Concrete Or Steel, Add	43.39	
		For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0076	EA	7' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	343.66	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0077	EA	7' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	452.41	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0078	EA	7' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	504.62	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0079	EA	7' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	539.45	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0080	EA	7' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	676.48	38.17
		For Installation In Concrete Or Steel, Add	37.97	
		For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0081	EA	7' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	809.14	43.62
		For Installation In Concrete Or Steel, Add	43.39	
		For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0082	EA	8' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	365.40	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0083	EA	8' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	485.02	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0084	EA	8' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	539.41	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0085	EA	8' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	576.41	32.72
		For Installation In Concrete Or Steel, Add	.....	32.54	
		For Window Top >10' Above Finished Floor, Add	.....	16.27	
12 24 13 00-0086	EA	8' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	726.50	38.17
		For Installation In Concrete Or Steel, Add	.....	37.97	
		For Window Top >10' Above Finished Floor, Add	.....	18.99	
12 24 13 00-0087	EA	8' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	867.85	43.62
		For Installation In Concrete Or Steel, Add	.....	43.39	
		For Window Top >10' Above Finished Floor, Add	.....	21.70	
12 24 13 00-0088	EA	9' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	382.80	16.37
		For Installation In Concrete Or Steel, Add	.....	16.28	
		For Window Top >10' Above Finished Floor, Add	.....	8.14	
12 24 13 00-0089	EA	9' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	515.46	21.82
		For Installation In Concrete Or Steel, Add	.....	21.70	
		For Window Top >10' Above Finished Floor, Add	.....	10.85	
12 24 13 00-0090	EA	9' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	574.20	27.27
		For Installation In Concrete Or Steel, Add	.....	27.12	
		For Window Top >10' Above Finished Floor, Add	.....	13.56	
12 24 13 00-0091	EA	9' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	613.38	32.72
		For Installation In Concrete Or Steel, Add	.....	32.54	
		For Window Top >10' Above Finished Floor, Add	.....	16.27	
12 24 13 00-0092	EA	9' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	776.51	38.17
		For Installation In Concrete Or Steel, Add	.....	37.97	
		For Window Top >10' Above Finished Floor, Add	.....	18.99	
12 24 13 00-0093	EA	9' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	917.86	43.62
		For Installation In Concrete Or Steel, Add	.....	43.39	
		For Window Top >10' Above Finished Floor, Add	.....	21.70	
12 24 13 00-0094	EA	10' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	402.37	16.37
		For Installation In Concrete Or Steel, Add	.....	16.28	
		For Window Top >10' Above Finished Floor, Add	.....	8.14	
12 24 13 00-0095	EA	10' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	550.26	21.82
		For Installation In Concrete Or Steel, Add	.....	21.70	
		For Window Top >10' Above Finished Floor, Add	.....	10.85	
12 24 13 00-0096	EA	10' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	613.34	27.27
		For Installation In Concrete Or Steel, Add	.....	27.12	
		For Window Top >10' Above Finished Floor, Add	.....	13.56	
12 24 13 00-0097	EA	10' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	652.52	32.72
		For Installation In Concrete Or Steel, Add	.....	32.54	
		For Window Top >10' Above Finished Floor, Add	.....	16.27	
12 24 13 00-0098	EA	10' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	841.74	38.17
		For Installation In Concrete Or Steel, Add	.....	37.97	
		For Window Top >10' Above Finished Floor, Add	.....	18.99	
12 24 13 00-0099	EA	10' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	967.87	43.62
		For Installation In Concrete Or Steel, Add	.....	43.39	
		For Window Top >10' Above Finished Floor, Add	.....	21.70	
12 24 13 00-0100	EA	11' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	439.33	16.37
		For Installation In Concrete Or Steel, Add	.....	16.28	
		For Window Top >10' Above Finished Floor, Add	.....	8.14	
12 24 13 00-0101	EA	11' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	589.39	21.82
		For Installation In Concrete Or Steel, Add	.....	21.70	
		For Window Top >10' Above Finished Floor, Add	.....	10.85	
12 24 13 00-0102	EA	11' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	665.53	27.27
		For Installation In Concrete Or Steel, Add	.....	27.12	
		For Window Top >10' Above Finished Floor, Add	.....	13.56	
12 24 13 00-0103	EA	11' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	709.05	32.72
		For Installation In Concrete Or Steel, Add	.....	32.54	
		For Window Top >10' Above Finished Floor, Add	.....	16.27	
12 24 13 00-0104	EA	11' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	924.37	38.17
		For Installation In Concrete Or Steel, Add	.....	37.97	
		For Window Top >10' Above Finished Floor, Add	.....	18.99	
12 24 13 00-0105	EA	11' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	1,050.50	43.62
		For Installation In Concrete Or Steel, Add	.....	43.39	
		For Window Top >10' Above Finished Floor, Add	.....	21.70	
12 24 13 00-0106	EA	12' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	535.01	16.37
		For Installation In Concrete Or Steel, Add	.....	16.28	
		For Window Top >10' Above Finished Floor, Add	.....	8.14	
12 24 13 00-0107	EA	12' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	628.53	21.82
		For Installation In Concrete Or Steel, Add	.....	21.70	
		For Window Top >10' Above Finished Floor, Add	.....	10.85	
12 24 13 00-0108	EA	12' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	713.36	27.27
		For Installation In Concrete Or Steel, Add	.....	27.12	
		For Window Top >10' Above Finished Floor, Add	.....	13.56	
12 24 13 00-0109	EA	12' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	756.89	32.72
		For Installation In Concrete Or Steel, Add	.....	32.54	
		For Window Top >10' Above Finished Floor, Add	.....	16.27	
12 24 13 00-0110	EA	12' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	965.68	38.17
		For Installation In Concrete Or Steel, Add	.....	37.97	
		For Window Top >10' Above Finished Floor, Add	.....	18.99	
12 24 13 00-0111	EA	12' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	.....	1,098.34	43.62
		For Installation In Concrete Or Steel, Add	.....	43.39	
		For Window Top >10' Above Finished Floor, Add	.....	21.70	
12 24 13 00-0112		EuroVeil 5100, 5200 And 5300 Series Shade (12 24 13 00-0009)			
12 24 13 00-0113	EA	3' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	282.78	16.37
		For Installation In Concrete Or Steel, Add	.....	16.28	
		For Window Top >10' Above Finished Floor, Add	.....	8.14	
12 24 13 00-0114	EA	3' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	.....	306.72	21.82
		For Installation In Concrete Or Steel, Add	.....	21.70	
		For Window Top >10' Above Finished Floor, Add	.....	10.85	

12 Furnishings**12 20 Window Treatments****12 24 Window Shades**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 24 13 00-0115	EA	3' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	352.41	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0116	EA	3' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	417.68	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0117	EA	3' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	467.74	38.17
		For Installation In Concrete Or Steel, Add	37.97	
		For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0118	EA	3' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	513.42	43.62
		For Installation In Concrete Or Steel, Add	43.39	
		For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0119	EA	4' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	304.52	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0120	EA	4' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	328.47	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0121	EA	4' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	385.03	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0122	EA	4' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	463.35	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0123	EA	4' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	513.40	38.17
		For Installation In Concrete Or Steel, Add	37.97	
		For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0124	EA	4' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	535.17	43.62
		For Installation In Concrete Or Steel, Add	43.39	
		For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0125	EA	5' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	326.26	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0126	EA	5' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	348.04	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0127	EA	5' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	415.47	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0128	EA	5' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	509.01	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0129	EA	5' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	559.07	38.17
		For Installation In Concrete Or Steel, Add	37.97	
		For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0130	EA	5' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	580.83	43.62
		For Installation In Concrete Or Steel, Add	43.39	
		For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0131	EA	6' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	350.18	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0132	EA	6' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	371.95	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0133	EA	6' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	445.91	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0134	EA	6' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	554.67	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0135	EA	6' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	604.73	38.17
		For Installation In Concrete Or Steel, Add	37.97	
		For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0136	EA	6' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	741.73	43.62
		For Installation In Concrete Or Steel, Add	43.39	
		For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0137	EA	7' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	371.93	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0138	EA	7' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	393.70	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0139	EA	7' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	474.18	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0140	EA	7' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	600.33	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0141	EA	7' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	650.39	38.17
		For Installation In Concrete Or Steel, Add	37.97	
		For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0142	EA	7' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	787.40	43.62
		For Installation In Concrete Or Steel, Add	43.39	
		For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0143	EA	8' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	395.84	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0144	EA	8' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	417.62	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0145	EA		8' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	506.80	27.27
			For Installation In Concrete Or Steel, Add	27.12	
			For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0146	EA		8' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	645.99	32.72
			For Installation In Concrete Or Steel, Add	32.54	
			For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0147	EA		8' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	713.45	38.17
			For Installation In Concrete Or Steel, Add	37.97	
			For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0148	EA		8' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	826.54	43.62
			For Installation In Concrete Or Steel, Add	43.39	
			For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0149	EA		9' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	417.59	16.37
			For Installation In Concrete Or Steel, Add	16.28	
			For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0150	EA		9' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	437.19	21.82
			For Installation In Concrete Or Steel, Add	21.70	
			For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0151	EA		9' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	539.41	27.27
			For Installation In Concrete Or Steel, Add	27.12	
			For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0152	EA		9' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	700.35	32.72
			For Installation In Concrete Or Steel, Add	32.54	
			For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0153	EA		9' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	750.41	38.17
			For Installation In Concrete Or Steel, Add	37.97	
			For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0154	EA		9' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	872.20	43.62
			For Installation In Concrete Or Steel, Add	43.39	
			For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0155	EA		10' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	439.33	16.37
			For Installation In Concrete Or Steel, Add	16.28	
			For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0156	EA		10' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	461.10	21.82
			For Installation In Concrete Or Steel, Add	21.70	
			For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0157	EA		10' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	567.68	27.27
			For Installation In Concrete Or Steel, Add	27.12	
			For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0158	EA		10' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	739.49	32.72
			For Installation In Concrete Or Steel, Add	32.54	
			For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0159	EA		10' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	791.73	38.17
			For Installation In Concrete Or Steel, Add	37.97	
			For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0160	EA		10' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	935.26	43.62
			For Installation In Concrete Or Steel, Add	43.39	
			For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0161	EA		11' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	493.69	16.37
			For Installation In Concrete Or Steel, Add	16.28	
			For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0162	EA		11' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	515.46	21.82
			For Installation In Concrete Or Steel, Add	21.70	
			For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0163	EA		11' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	641.61	27.27
			For Installation In Concrete Or Steel, Add	27.12	
			For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0164	EA		11' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	811.25	32.72
			For Installation In Concrete Or Steel, Add	32.54	
			For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0165	EA		11' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	872.18	38.17
			For Installation In Concrete Or Steel, Add	37.97	
			For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0166	EA		11' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	1,007.01	43.62
			For Installation In Concrete Or Steel, Add	43.39	
			For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0167	EA		12' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	580.67	16.37
			For Installation In Concrete Or Steel, Add	16.28	
			For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0168	EA		12' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	539.38	21.82
			For Installation In Concrete Or Steel, Add	21.70	
			For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0169	EA		12' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	676.40	27.27
			For Installation In Concrete Or Steel, Add	27.12	
			For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0170	EA		12' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	856.91	32.72
			For Installation In Concrete Or Steel, Add	32.54	
			For Window Top >10' Above Finished Floor, Add	16.27	
12 24 13 00-0171	EA		12' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	920.02	38.17
			For Installation In Concrete Or Steel, Add	37.97	
			For Window Top >10' Above Finished Floor, Add	18.99	
12 24 13 00-0172	EA		12' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	1,052.67	43.62
			For Installation In Concrete Or Steel, Add	43.39	
			For Window Top >10' Above Finished Floor, Add	21.70	
12 24 13 00-0173			Snaplock Fascia (12 24 13 00-0009)		
12 24 13 00-0174	EA		3' Wide Mecho Slimline, Regular Snaplock Fascia.....	33.72	2.72
			For Installation In Concrete Or Steel, Add	2.71	
			For Window Top >10' Above Finished Floor, Add	1.36	

12 Furnishings**12 20 Window Treatments****12 24 Window Shades**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 24 13 00-0175	EA	4' Wide Mecho Slimline, Regular Snaplock Fascia	44.23	3.63
		For Installation In Concrete Or Steel, Add	3.62	
		For Window Top >10' Above Finished Floor, Add	1.81	
12 24 13 00-0176	EA	5' Wide Mecho Slimline, Regular Snaplock Fascia	54.75	4.54
		For Installation In Concrete Or Steel, Add	4.52	
		For Window Top >10' Above Finished Floor, Add	2.26	
12 24 13 00-0177	EA	6' Wide Mecho Slimline, Regular Snaplock Fascia	69.61	5.45
		For Installation In Concrete Or Steel, Add	5.42	
		For Window Top >10' Above Finished Floor, Add	2.71	
12 24 13 00-0178	EA	7' Wide Mecho Slimline, Regular Snaplock Fascia	77.95	6.36
		For Installation In Concrete Or Steel, Add	6.33	
		For Window Top >10' Above Finished Floor, Add	3.16	
12 24 13 00-0179	EA	8' Wide Mecho Slimline, Regular Snaplock Fascia	90.64	7.27
		For Installation In Concrete Or Steel, Add	7.23	
		For Window Top >10' Above Finished Floor, Add	3.62	
12 24 13 00-0180	EA	9' Wide Mecho Slimline, Regular Snaplock Fascia	103.34	8.17
		For Installation In Concrete Or Steel, Add	8.14	
		For Window Top >10' Above Finished Floor, Add	4.07	
12 24 13 00-0181	EA	10' Wide Mecho Slimline, Regular Snaplock Fascia	113.84	9.09
		For Installation In Concrete Or Steel, Add	9.04	
		For Window Top >10' Above Finished Floor, Add	4.52	
12 24 13 00-0182	EA	11' Wide Mecho Slimline, Regular Snaplock Fascia	124.36	9.99
		For Installation In Concrete Or Steel, Add	9.94	
		For Window Top >10' Above Finished Floor, Add	4.97	
12 24 13 00-0183	EA	12' Wide Mecho Slimline, Regular Snaplock Fascia	197.94	10.90
		For Installation In Concrete Or Steel, Add	10.85	
		For Window Top >10' Above Finished Floor, Add	5.42	
12 24 13 00-0184	EA	3' Wide Mecho Extended, Regular Snaplock Fascia	61.98	2.72
		For Installation In Concrete Or Steel, Add	2.71	
		For Window Top >10' Above Finished Floor, Add	1.36	
12 24 13 00-0185	EA	4' Wide Mecho Extended, Regular Snaplock Fascia	83.37	3.63
		For Installation In Concrete Or Steel, Add	3.62	
		For Window Top >10' Above Finished Floor, Add	1.81	
12 24 13 00-0186	EA	5' Wide Mecho Extended, Regular Snaplock Fascia	102.59	4.54
		For Installation In Concrete Or Steel, Add	4.52	
		For Window Top >10' Above Finished Floor, Add	2.26	
12 24 13 00-0187	EA	6' Wide Mecho Extended, Regular Snaplock Fascia	121.79	5.45
		For Installation In Concrete Or Steel, Add	5.42	
		For Window Top >10' Above Finished Floor, Add	2.71	
12 24 13 00-0188	EA	7' Wide Mecho Extended, Regular Snaplock Fascia	143.18	6.36
		For Installation In Concrete Or Steel, Add	6.33	
		For Window Top >10' Above Finished Floor, Add	3.16	
12 24 13 00-0189	EA	8' Wide Mecho Extended, Regular Snaplock Fascia	162.40	7.27
		For Installation In Concrete Or Steel, Add	7.23	
		For Window Top >10' Above Finished Floor, Add	3.62	
12 24 13 00-0190	EA	9' Wide Mecho Extended, Regular Snaplock Fascia	183.79	8.17
		For Installation In Concrete Or Steel, Add	8.14	
		For Window Top >10' Above Finished Floor, Add	4.07	
12 24 13 00-0191	EA	10' Wide Mecho Extended, Regular Snaplock Fascia	207.34	9.09
		For Installation In Concrete Or Steel, Add	9.04	
		For Window Top >10' Above Finished Floor, Add	4.52	
12 24 13 00-0192	EA	11' Wide Mecho Extended, Regular Snaplock Fascia	224.38	9.99
		For Installation In Concrete Or Steel, Add	9.94	
		For Window Top >10' Above Finished Floor, Add	4.97	
12 24 13 00-0193	EA	12' Wide Mecho Extended, Regular Snaplock Fascia	367.54	10.90
		For Installation In Concrete Or Steel, Add	10.85	
		For Window Top >10' Above Finished Floor, Add	5.42	

12 24 13 00-0194 Room Darkening Sill And Side Channel (12 24 13 00-0009)

12 24 13 00-0195	EA	36" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	46.80	8.17
		For Installation In Concrete Or Steel, Add	8.14	
		For Window Top >10' Above Finished Floor, Add	4.07	
12 24 13 00-0196	EA	48" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	60.95	10.90
		For Installation In Concrete Or Steel, Add	10.85	
		For Window Top >10' Above Finished Floor, Add	5.42	
12 24 13 00-0197	EA	60" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	79.46	13.64
		For Installation In Concrete Or Steel, Add	13.56	
		For Window Top >10' Above Finished Floor, Add	6.78	
12 24 13 00-0198	EA	72" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	95.78	16.37
		For Installation In Concrete Or Steel, Add	16.28	
		For Window Top >10' Above Finished Floor, Add	8.14	
12 24 13 00-0199	EA	84" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	109.93	19.09
		For Installation In Concrete Or Steel, Add	18.99	
		For Window Top >10' Above Finished Floor, Add	9.49	
12 24 13 00-0200	EA	96" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	126.25	21.82
		For Installation In Concrete Or Steel, Add	21.70	
		For Window Top >10' Above Finished Floor, Add	10.85	
12 24 13 00-0201	EA	108" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	142.57	24.54
		For Installation In Concrete Or Steel, Add	24.41	
		For Window Top >10' Above Finished Floor, Add	12.20	
12 24 13 00-0202	EA	120" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	156.72	27.27
		For Installation In Concrete Or Steel, Add	27.12	
		For Window Top >10' Above Finished Floor, Add	13.56	
12 24 13 00-0203	EA	132" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	170.87	30.00
		For Installation In Concrete Or Steel, Add	29.83	
		For Window Top >10' Above Finished Floor, Add	14.92	
12 24 13 00-0204	EA	144" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	187.20	32.72
		For Installation In Concrete Or Steel, Add	32.54	
		For Window Top >10' Above Finished Floor, Add	16.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0205	EA	36" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	.....	46.80	8.17
		For Installation In Concrete Or Steel, Add	.....	8.14	
		For Window Top >10' Above Finished Floor, Add	.....	4.07	
12 24 13 00-0206	EA	48" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	.....	97.91	10.90
		For Installation In Concrete Or Steel, Add	.....	10.85	
		For Window Top >10' Above Finished Floor, Add	.....	5.42	
12 24 13 00-0207	EA	60" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	.....	122.94	13.64
		For Installation In Concrete Or Steel, Add	.....	13.56	
		For Window Top >10' Above Finished Floor, Add	.....	6.78	
12 24 13 00-0208	EA	72" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	.....	143.61	16.37
		For Installation In Concrete Or Steel, Add	.....	16.28	
		For Window Top >10' Above Finished Floor, Add	.....	8.14	
12 24 13 00-0209	EA	84" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	.....	170.81	19.09
		For Installation In Concrete Or Steel, Add	.....	18.99	
		For Window Top >10' Above Finished Floor, Add	.....	9.49	
12 24 13 00-0210	EA	96" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	.....	193.65	21.82
		For Installation In Concrete Or Steel, Add	.....	21.70	
		For Window Top >10' Above Finished Floor, Add	.....	10.85	
12 24 13 00-0211	EA	108" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	.....	229.55	24.54
		For Installation In Concrete Or Steel, Add	.....	24.41	
		For Window Top >10' Above Finished Floor, Add	.....	12.20	
12 24 13 00-0212	EA	120" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	.....	254.56	27.27
		For Installation In Concrete Or Steel, Add	.....	27.12	
		For Window Top >10' Above Finished Floor, Add	.....	13.56	
12 24 13 00-0213	EA	132" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	.....	281.77	30.00
		For Installation In Concrete Or Steel, Add	.....	29.83	
		For Window Top >10' Above Finished Floor, Add	.....	14.92	
12 24 13 00-0214	EA	144" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	.....	304.61	32.72
		For Installation In Concrete Or Steel, Add	.....	32.54	
		For Window Top >10' Above Finished Floor, Add	.....	16.27	
12 24 13 00-0215	EA	36" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	.....	59.85	8.17
		For Installation In Concrete Or Steel, Add	.....	8.14	
		For Window Top >10' Above Finished Floor, Add	.....	4.07	
12 24 13 00-0216	EA	48" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	.....	82.69	10.90
		For Installation In Concrete Or Steel, Add	.....	10.85	
		For Window Top >10' Above Finished Floor, Add	.....	5.42	
12 24 13 00-0217	EA	60" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	.....	103.37	13.64
		For Installation In Concrete Or Steel, Add	.....	13.56	
		For Window Top >10' Above Finished Floor, Add	.....	6.78	
12 24 13 00-0218	EA	72" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	.....	124.04	16.37
		For Installation In Concrete Or Steel, Add	.....	16.28	
		For Window Top >10' Above Finished Floor, Add	.....	8.14	
12 24 13 00-0219	EA	84" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	.....	142.54	19.09
		For Installation In Concrete Or Steel, Add	.....	18.99	
		For Window Top >10' Above Finished Floor, Add	.....	9.49	
12 24 13 00-0220	EA	96" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	.....	163.21	21.82
		For Installation In Concrete Or Steel, Add	.....	21.70	
		For Window Top >10' Above Finished Floor, Add	.....	10.85	
12 24 13 00-0221	EA	108" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	.....	183.88	24.54
		For Installation In Concrete Or Steel, Add	.....	24.41	
		For Window Top >10' Above Finished Floor, Add	.....	12.20	
12 24 13 00-0222	EA	120" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	.....	202.38	27.27
		For Installation In Concrete Or Steel, Add	.....	27.12	
		For Window Top >10' Above Finished Floor, Add	.....	13.56	
12 24 13 00-0223	EA	132" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	.....	223.06	30.00
		For Installation In Concrete Or Steel, Add	.....	29.83	
		For Window Top >10' Above Finished Floor, Add	.....	14.92	
12 24 13 00-0224	EA	144" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	.....	245.91	32.72
		For Installation In Concrete Or Steel, Add	.....	32.54	
		For Window Top >10' Above Finished Floor, Add	.....	16.27	
12 24 13 00-0225	EA	36" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	.....	105.51	8.17
		For Installation In Concrete Or Steel, Add	.....	8.14	
		For Window Top >10' Above Finished Floor, Add	.....	4.07	
12 24 13 00-0226	EA	48" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	.....	137.05	10.90
		For Installation In Concrete Or Steel, Add	.....	10.85	
		For Window Top >10' Above Finished Floor, Add	.....	5.42	
12 24 13 00-0227	EA	60" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	.....	170.78	13.64
		For Installation In Concrete Or Steel, Add	.....	13.56	
		For Window Top >10' Above Finished Floor, Add	.....	6.78	
12 24 13 00-0228	EA	72" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	.....	208.85	16.37
		For Installation In Concrete Or Steel, Add	.....	16.28	
		For Window Top >10' Above Finished Floor, Add	.....	8.14	
12 24 13 00-0229	EA	84" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	.....	240.39	19.09
		For Installation In Concrete Or Steel, Add	.....	18.99	
		For Window Top >10' Above Finished Floor, Add	.....	9.49	
12 24 13 00-0230	EA	96" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	.....	276.28	21.82
		For Installation In Concrete Or Steel, Add	.....	21.70	
		For Window Top >10' Above Finished Floor, Add	.....	10.85	
12 24 13 00-0231	EA	108" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	.....	310.00	24.54
		For Installation In Concrete Or Steel, Add	.....	24.41	
		For Window Top >10' Above Finished Floor, Add	.....	12.20	
12 24 13 00-0232	EA	120" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	.....	345.89	27.27
		For Installation In Concrete Or Steel, Add	.....	27.12	
		For Window Top >10' Above Finished Floor, Add	.....	13.56	
12 24 13 00-0233	EA	132" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	.....	377.44	30.00
		For Installation In Concrete Or Steel, Add	.....	29.83	
		For Window Top >10' Above Finished Floor, Add	.....	14.92	
12 24 13 00-0234	EA	144" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	.....	411.16	32.72
		For Installation In Concrete Or Steel, Add	.....	32.54	
		For Window Top >10' Above Finished Floor, Add	.....	16.27	

12 Furnishings**12 20 Window Treatments****12 24 Window Shades**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
12 25 Window Treatment Operating Hardware (12 20)**12 25 13 Motorized Drapery Rods** (12 25)**12 25 13 00-0001 Motorized Drapery Track** (12 25 13)

12 25 13 00-0002	EA	2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,545.76	136.47
12 25 13 00-0003	EA	>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,613.34	150.11
12 25 13 00-0004	EA	>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,680.93	163.76
12 25 13 00-0005	EA	>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,748.51	177.40
12 25 13 00-0006	EA	>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,816.09	191.05
12 25 13 00-0007	EA	>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,883.69	204.69
12 25 13 00-0008	EA	>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	1,951.27	218.34
12 25 13 00-0009	EA	>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,018.85	232.00
12 25 13 00-0010	EA	>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,086.43	245.64
12 25 13 00-0011	EA	>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,154.01	259.29
12 25 13 00-0012	EA	>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,221.61	272.93
12 25 13 00-0013	EA	>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,289.19	286.58
12 25 13 00-0014	EA	>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,356.77	300.22
12 25 13 00-0015	EA	>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,424.35	313.87
12 25 13 00-0016	EA	>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,491.93	327.52
12 25 13 00-0017	EA	>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,559.52	341.16
12 25 13 00-0018	EA	>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,627.11	354.81
12 25 13 00-0019	EA	>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,694.69	368.45
12 25 13 00-0020	EA	>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,762.28	382.10
12 25 13 00-0021	EA	>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,829.86	395.75
12 25 13 00-0022	EA	>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E).....	2,897.44	409.40

12 30 Casework (12)**12 31 Manufactured Metal Casework** (12 30)**12 31 16 Manufactured Metal Sandwich Panel Casework** (12 31)**12 31 16 00-0001 34-1/2" High x 24" Deep, Stainless Steel Cabinets** (12 31 16)**12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets** (12 31 16 00-0001)**12 31 16 00-0003 18" Stainless Steel Base Cabinet** (12 31 16 00-0002)

12 31 16 00-0004	EA	18" Stainless Steel Base Cabinet, No Doors Or Drawers	2,056.57	299.01
		For 16 Gauge Stainless Steel, Add	313.55	
		For >5 To 9, Deduct	-76.56	
		For >9, Deduct	-153.13	
12 31 16 00-0005	EA	18" Stainless Steel Base Cabinet, With 4 Drawers	3,295.27	299.01
		For 16 Gauge Stainless Steel, Add	579.87	
		For >5 To 9, Deduct	-141.60	
		For >9, Deduct	-283.19	
12 31 16 00-0006	EA	18" Stainless Steel Base Cabinet, With 3 Drawers	3,061.54	299.01
		For 16 Gauge Stainless Steel, Add	529.62	
		For >5 To 9, Deduct	-129.33	
		For >9, Deduct	-258.65	
12 31 16 00-0007	EA	18" Stainless Steel Base Cabinet, With 2 Drawers	2,827.81	299.01
		For 16 Gauge Stainless Steel, Add	479.37	
		For >5 To 9, Deduct	-117.05	
		For >9, Deduct	-234.11	
12 31 16 00-0008	EA	18" Stainless Steel Base Cabinet, With Doors And Drawers	2,748.49	299.01
		For 16 Gauge Stainless Steel, Add	462.31	
		For >5 To 9, Deduct	-112.89	
		For >9, Deduct	-225.78	

12 31 16 00-0009 24" Stainless Steel Base Cabinet (12 31 16 00-0002)

12 31 16 00-0010	EA	24" Stainless Steel Base Cabinet, With Doors And Locks	2,946.11	323.16
		For 16 Gauge Stainless Steel, Add	494.35	
		For >5 To 9, Deduct	-120.71	
		For >9, Deduct	-241.43	
12 31 16 00-0011	EA	24" Stainless Steel Base Cabinet, With Door, No Locks.....	2,660.91	323.16
		For 16 Gauge Stainless Steel, Add	433.03	
		For >5 To 9, Deduct	-105.74	
		For >9, Deduct	-211.48	
12 31 16 00-0012	EA	24" Stainless Steel Base Cabinet, With Two Doors, No Locks	2,723.35	323.16
		For 16 Gauge Stainless Steel, Add	446.46	
		For >5 To 9, Deduct	-109.02	
		For >9, Deduct	-218.04	
12 31 16 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,013.62	323.16
		For 16 Gauge Stainless Steel, Add	508.86	
		For >5 To 9, Deduct	-124.26	
		For >9, Deduct	-248.52	
12 31 16 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,893.70	323.16
		For 16 Gauge Stainless Steel, Add	698.08	
		For >5 To 9, Deduct	-170.46	
		For >9, Deduct	-340.92	
12 31 16 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks.....	4,270.88	323.16
		For 16 Gauge Stainless Steel, Add	779.18	
		For >5 To 9, Deduct	-190.26	
		For >9, Deduct	-380.53	

Furnishings			12
Casework			12 30
Manufactured Metal Casework			12 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0016			30" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0017	EA		30" Stainless Steel Base Cabinet, No Doors, No Drawers	2,606.61	340.55
			For 16 Gauge Stainless Steel, Add	414.04	
			For >5 To 9, Deduct	-101.10	
			For >9, Deduct	-202.20	
12 31 16 00-0018	EA		30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	3,750.81	340.55
			For 16 Gauge Stainless Steel, Add	660.04	
			For >5 To 9, Deduct	-161.17	
			For >9, Deduct	-322.35	
12 31 16 00-0019	EA		30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	4,803.02	340.55
			For 16 Gauge Stainless Steel, Add	886.27	
			For >5 To 9, Deduct	-216.41	
			For >9, Deduct	-432.83	
12 31 16 00-0020	EA		30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,425.85	340.55
			For 16 Gauge Stainless Steel, Add	805.18	
			For >5 To 9, Deduct	-196.61	
			For >9, Deduct	-393.23	
12 31 16 00-0021	EA		30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	4,192.11	340.55
			For 16 Gauge Stainless Steel, Add	754.92	
			For >5 To 9, Deduct	-184.34	
			For >9, Deduct	-368.68	
12 31 16 00-0022	EA		30" Stainless Steel Base Cabinet, With Doors, No Locks	3,243.68	340.55
			For 16 Gauge Stainless Steel, Add	551.01	
			For >5 To 9, Deduct	-134.55	
			For >9, Deduct	-269.10	
12 31 16 00-0023	EA		30" Stainless Steel Base Cabinet, With Doors And Locks	3,214.99	340.55
			For 16 Gauge Stainless Steel, Add	544.84	
			For >5 To 9, Deduct	-133.04	
			For >9, Deduct	-266.08	
12 31 16 00-0024			36" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers	2,874.32	354.07
			For 16 Gauge Stainless Steel, Add	465.58	
			For >5 To 9, Deduct	-113.69	
			For >9, Deduct	-227.38	
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks	3,483.55	354.07
			For 16 Gauge Stainless Steel, Add	596.56	
			For >5 To 9, Deduct	-145.67	
			For >9, Deduct	-291.35	
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock	3,259.10	354.07
			For 16 Gauge Stainless Steel, Add	548.31	
			For >5 To 9, Deduct	-133.89	
			For >9, Deduct	-267.78	
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,068.20	354.07
			For 16 Gauge Stainless Steel, Add	937.26	
			For >5 To 9, Deduct	-228.87	
			For >9, Deduct	-457.73	
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	4,691.87	354.07
			For 16 Gauge Stainless Steel, Add	856.35	
			For >5 To 9, Deduct	-209.11	
			For >9, Deduct	-418.22	
12 31 16 00-0030			42" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0031	EA		42" Stainless Steel Base Cabinet, No Doors, No Drawers	3,018.40	376.28
			For 16 Gauge Stainless Steel, Add	487.14	
			For >5 To 9, Deduct	-118.95	
			For >9, Deduct	-237.90	
12 31 16 00-0032	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,346.44	376.28
			For 16 Gauge Stainless Steel, Add	987.66	
			For >5 To 9, Deduct	-241.17	
			For >9, Deduct	-482.35	
12 31 16 00-0033	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	4,969.26	376.28
			For 16 Gauge Stainless Steel, Add	906.57	
			For >5 To 9, Deduct	-221.37	
			For >9, Deduct	-442.74	
12 31 16 00-0034	EA		42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,578.58	376.28
			For 16 Gauge Stainless Steel, Add	822.57	
			For >5 To 9, Deduct	-200.86	
			For >9, Deduct	-401.72	
12 31 16 00-0035	EA		42" Stainless Steel Base Cabinet, With Doors, No Lock	3,538.18	376.28
			For 16 Gauge Stainless Steel, Add	598.89	
			For >5 To 9, Deduct	-146.24	
			For >9, Deduct	-292.48	
12 31 16 00-0036	EA		42" Stainless Steel Base Cabinet, With Doors And Lock	3,759.25	376.28
			For 16 Gauge Stainless Steel, Add	646.42	
			For >5 To 9, Deduct	-157.85	
			For >9, Deduct	-315.69	
12 31 16 00-0037			48" Stainless Steel Base Cabinet (12 31 16 00-0002)		
12 31 16 00-0038	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,604.77	384.98
			For 16 Gauge Stainless Steel, Add	1,039.60	
			For >5 To 9, Deduct	-253.86	
			For >9, Deduct	-507.71	

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,228.43		384.98
		For 16 Gauge Stainless Steel, Add	958.69		
		For >5 To 9, Deduct	-234.10		
		For >9, Deduct	-468.20		
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers	3,276.72		384.98
		For 16 Gauge Stainless Steel, Add	539.07		
		For >5 To 9, Deduct	-131.63		
		For >9, Deduct	-263.27		
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,837.75		384.98
		For 16 Gauge Stainless Steel, Add	874.69		
		For >5 To 9, Deduct	-213.59		
		For >9, Deduct	-427.17		
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock	4,020.11		384.98
		For 16 Gauge Stainless Steel, Add	698.90		
		For >5 To 9, Deduct	-170.66		
		For >9, Deduct	-341.32		
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks	3,959.36		384.98
		For 16 Gauge Stainless Steel, Add	685.83		
		For >5 To 9, Deduct	-167.47		
		For >9, Deduct	-334.94		
12 31 16 00-0044		60" Stainless Steel Base Cabinet (12 31 16 00-0002)			
12 31 16 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	3,921.46		396.71
		For 16 Gauge Stainless Steel, Add	672.61		
		For >5 To 9, Deduct	-164.24		
		For >9, Deduct	-328.49		
12 31 16 00-0046		18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets (12 31 16 00-0001)			
12 31 16 00-0047		12" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)			
12 31 16 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,564.34		113.84
		For 16 Gauge Stainless Steel, Add	287.38		
		For >5 To 9, Deduct	-70.17		
		For >9, Deduct	-140.35		
12 31 16 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,560.12		120.73
		For 16 Gauge Stainless Steel, Add	283.50		
		For >5 To 9, Deduct	-69.23		
		For >9, Deduct	-138.45		
12 31 16 00-0050		18" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)			
12 31 16 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,640.69		122.39
		For 16 Gauge Stainless Steel, Add	300.09		
		For >5 To 9, Deduct	-73.28		
		For >9, Deduct	-146.55		
12 31 16 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,548.72		122.39
		For 16 Gauge Stainless Steel, Add	280.31		
		For >5 To 9, Deduct	-68.45		
		For >9, Deduct	-136.90		
12 31 16 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,814.12		133.15
		For 16 Gauge Stainless Steel, Add	332.76		
		For >5 To 9, Deduct	-81.26		
		For >9, Deduct	-162.51		
12 31 16 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,757.59		133.15
		For 16 Gauge Stainless Steel, Add	320.61		
		For >5 To 9, Deduct	-78.29		
		For >9, Deduct	-156.58		
12 31 16 00-0055		24" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)			
12 31 16 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	1,370.53		135.50
		For 16 Gauge Stainless Steel, Add	236.42		
		For >5 To 9, Deduct	-57.73		
		For >9, Deduct	-115.46		
12 31 16 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,851.49		135.50
		For 16 Gauge Stainless Steel, Add	339.82		
		For >5 To 9, Deduct	-82.98		
		For >9, Deduct	-165.96		
12 31 16 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,760.36		135.50
		For 16 Gauge Stainless Steel, Add	320.23		
		For >5 To 9, Deduct	-78.20		
		For >9, Deduct	-156.39		
12 31 16 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,742.86		126.53
		For 16 Gauge Stainless Steel, Add	320.25		
		For >5 To 9, Deduct	-78.20		
		For >9, Deduct	-156.40		
12 31 16 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,645.82		126.53
		For 16 Gauge Stainless Steel, Add	299.39		
		For >5 To 9, Deduct	-73.11		
		For >9, Deduct	-146.21		
12 31 16 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	2,100.63		126.53
		For 16 Gauge Stainless Steel, Add	397.17		
		For >5 To 9, Deduct	-96.98		
		For >9, Deduct	-193.97		

			Furnishings	12	12
			Casework	12 30	
			Manufactured Metal Casework	12 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0062	EA		24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,255.98	126.53
			For 16 Gauge Stainless Steel, Add	215.57	
			For >5 To 9, Deduct	-52.64	
			For >9, Deduct	-105.28	
12 31 16 00-0063	EA		24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	1,182.95	120.73
			For 16 Gauge Stainless Steel, Add	202.41	
			For >5 To 9, Deduct	-49.43	
			For >9, Deduct	-98.85	
12 31 16 00-0064 30" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)					
12 31 16 00-0065	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,395.13	143.92
			For 16 Gauge Stainless Steel, Add	453.06	
			For >5 To 9, Deduct	-110.63	
			For >9, Deduct	-221.26	
12 31 16 00-0066	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,174.05	143.92
			For 16 Gauge Stainless Steel, Add	405.53	
			For >5 To 9, Deduct	-99.02	
			For >9, Deduct	-198.05	
12 31 16 00-0067	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,471.16	143.92
			For 16 Gauge Stainless Steel, Add	254.41	
			For >5 To 9, Deduct	-62.12	
			For >9, Deduct	-124.25	
12 31 16 00-0068	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,277.38	132.47
			For 16 Gauge Stainless Steel, Add	432.66	
			For >5 To 9, Deduct	-105.65	
			For >9, Deduct	-211.30	
12 31 16 00-0069	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	2,056.31	132.47
			For 16 Gauge Stainless Steel, Add	385.13	
			For >5 To 9, Deduct	-94.04	
			For >9, Deduct	-188.09	
12 31 16 00-0070	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,353.42	132.47
			For 16 Gauge Stainless Steel, Add	234.01	
			For >5 To 9, Deduct	-57.14	
			For >9, Deduct	-114.28	
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	1,279.90	126.26
			For 16 Gauge Stainless Steel, Add	220.91	
			For >5 To 9, Deduct	-53.94	
			For >9, Deduct	-107.89	
12 31 16 00-0072 36" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)					
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,490.44	148.06
			For 16 Gauge Stainless Steel, Add	471.78	
			For >5 To 9, Deduct	-115.20	
			For >9, Deduct	-230.41	
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,264.31	148.06
			For 16 Gauge Stainless Steel, Add	423.17	
			For >5 To 9, Deduct	-103.33	
			For >9, Deduct	-206.66	
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,566.48	148.06
			For 16 Gauge Stainless Steel, Add	273.13	
			For >5 To 9, Deduct	-66.69	
			For >9, Deduct	-133.39	
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,371.27	135.50
			For 16 Gauge Stainless Steel, Add	451.58	
			For >5 To 9, Deduct	-110.27	
			For >9, Deduct	-220.54	
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,151.04	135.50
			For 16 Gauge Stainless Steel, Add	404.23	
			For >5 To 9, Deduct	-98.71	
			For >9, Deduct	-197.41	
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	1,447.31	135.50
			For 16 Gauge Stainless Steel, Add	252.92	
			For >5 To 9, Deduct	-61.76	
			For >9, Deduct	-123.52	
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,375.32	129.02
			For 16 Gauge Stainless Steel, Add	240.21	
			For >5 To 9, Deduct	-58.66	
			For >9, Deduct	-117.31	
12 31 16 00-0080 42" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)					
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,616.30	186.28
			For 16 Gauge Stainless Steel, Add	482.47	
			For >5 To 9, Deduct	-117.81	
			For >9, Deduct	-235.62	
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	2,618.75	175.79
			For 16 Gauge Stainless Steel, Add	487.48	
			For >5 To 9, Deduct	-119.04	
			For >9, Deduct	-238.07	
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,394.30	175.79
			For 16 Gauge Stainless Steel, Add	439.22	
			For >5 To 9, Deduct	-107.25	
			For >9, Deduct	-214.50	
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	1,693.10	175.79
			For 16 Gauge Stainless Steel, Add	288.47	
			For >5 To 9, Deduct	-70.44	
			For >9, Deduct	-140.88	

12 Furnishings**12 30 Casework****12 31 Manufactured Metal Casework**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
12 31 16 00-0085	EA 42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,465.46		147.64	
		466.59			
		-113.94			
		-227.87			
12 31 16 00-0086	EA 42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,242.70		147.64	
		418.70			
		-102.24			
		-204.48			
12 31 16 00-0087	EA 42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,541.50		147.64	
		267.94			
		-65.43			
		-130.86			
12 31 16 00-0088	48" Wide Stainless Steel Wall Cabinets (12 31 16 00-0046)				
12 31 16 00-0089	EA 48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,307.84		186.28	
		414.54			
		-101.22			
		-202.45			
12 31 16 00-0090	EA 48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,712.20		179.66	
		505.86			
		-123.53			
		-247.05			
12 31 16 00-0091	EA 48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,491.12		179.66	
		458.33			
		-111.92			
		-223.84			
12 31 16 00-0092	EA 48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,788.24		179.66	
		307.21			
		-75.02			
		-150.03			
12 31 16 00-0093	EA 48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,557.57		149.02	
		485.76			
		-118.61			
		-237.23			
12 31 16 00-0094	EA 48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	2,337.34		149.02	
		438.41			
		-107.05			
		-214.11			
12 31 16 00-0095	EA 48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For >5 To 9, Deduct</i> <i>For >9, Deduct</i>	1,633.61		149.02	
		287.10			
		-70.11			
		-140.21			
12 31 16 00-0096	Accessories (12 31 16 00-0001)				
12 31 16 00-0097	Stainless Steel Countertops (12 31 16 00-0096) Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.				
12 31 16 00-0098	SF 16 Gauge Stainless Steel Countertop With Backsplash..... <i>For 14 Gauge Stainless Steel, Add</i>	116.69		7.59	
		22.43			
12 31 16 00-0099	SF 16 Gauge Stainless Steel Countertop Without Backsplash..... <i>For 14 Gauge Stainless Steel, Add</i>	107.19		7.59	
		20.33			
12 31 16 00-0100	EA Cutout For Sink And/or Faucet In Stainless Steel Countertop.....	203.40			
12 31 16 00-0101	Stainless Steel Wall Panels (12 31 16 00-0096)				
12 31 16 00-0102	SF 20 Gauge Stainless Steel Wall Panel..... <i>For 18 Gauge Stainless Steel, Add</i> <i>For 16 Gauge Stainless Steel, Add</i>	41.59		11.31	
		5.16			
		9.93			
12 31 16 00-0103	Pedestal Legs (12 31 16 00-0096)				
12 31 16 00-0104	EA Type #304 Stainless Steel Pedestal Leg.....	339.41		17.25	
12 31 16 00-0105	Stainless Steel Slanted Cabinet Top Enclosure (12 31 16 00-0096)				
12 31 16 00-0106	EA Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections.....	376.88		33.91	
12 35 Specialty Casework	(12 30)				
12 35 59 Display Casework	(12 35) See CSI section 10 12 00 00-0000 for display cases.				
12 35 70 Healthcare Casework	(12 35)				
12 35 70 13 Hospital Casework	(12 35 70)				
12 35 70 13-0001 Modular Casework	(12 35 70 13) Note: Midmark.				
12 35 70 13-0002	EA 36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-243624).....	953.85		94.59	
12 35 70 13-0003	EA 36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-363624).....	1,183.15		118.23	
12 35 70 13-0004	EA 36" High, 2 Doors, Base Sink Unit With Tap Master Valve (Midmark MC-SBS009-243624).....	1,658.16		94.59	
12 35 70 13-0005	EA 36" High Base Sink Unit, 2 Doors With Tap Master Valve (Midmark MC-SBS009-363624).....	1,904.36		118.23	
12 35 70 13-0006	EA 36" High Base Storage Unit, 1 Door (Midmark MC-SBP006-243624).....	1,079.22		94.59	
12 35 70 13-0007	EA 36" High Base Storage Unit, 2 Doors (Midmark MC-SBP007-363624).....	1,450.78		118.23	
12 35 70 13-0008	EA 36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-153624).....	1,083.44		94.59	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-183624).....	1,166.55	94.59
12 35 70 13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-213624).....	1,238.39	94.59
12 35 70 13-0011	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-303624).....	1,547.98	118.23
12 35 70 13-0012	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-363624).....	1,571.93	118.23
12 35 70 13-0013	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-243624).....	1,453.91	94.59
12 35 70 13-0014	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-303624).....	1,688.84	118.23
12 35 70 13-0015	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-363624).....	1,740.96	118.23
12 35 70 13-0016	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-123624).....	1,272.20	94.59
12 35 70 13-0017	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-153624).....	1,308.82	94.59
12 35 70 13-0018	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-183624).....	1,403.20	94.59
12 35 70 13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-303624).....	2,338.22	118.23
12 35 70 13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-363624).....	2,470.63	118.23
12 35 70 13-0021	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-153624).....	1,641.25	94.59
12 35 70 13-0022	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-183624).....	1,738.45	94.59
12 35 70 13-0023	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-213624).....	1,906.08	94.59
12 35 70 13-0024	EA	84" High Tall Storage Unit, 2 Doors (Midmark MC-STP032-368424).....	3,337.65	283.76
12 35 70 13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors (Midmark MC-STP081-248424).....	3,065.78	283.76
12 35 70 13-0026	EA	Desk Filler Panel (Midmark MC-SDA003-060501).....	125.07	23.65
12 35 70 13-0027	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-123014).....	694.66	94.59
12 35 70 13-0028	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-153014).....	681.98	94.59
12 35 70 13-0029	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-183014).....	727.06	94.59
12 35 70 13-0030	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-213014).....	787.63	94.59
12 35 70 13-0031	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-243014).....	856.65	94.59
12 35 70 13-0032	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-303014).....	980.31	118.23
12 35 70 13-0033	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-363014).....	1,063.41	118.23
12 35 70 13-0034	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-303014).....	1,305.70	118.23
12 35 70 13-0035	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-363014).....	1,452.19	118.23
12 35 70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash	182.33	20.34
12 35 70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash	355.80	27.12
12 35 70 13-0038	SF	Melamine Wall Cabinet Inner Soffit.....	44.72	16.96
Note: Includes blocking				

12 35 70 13-0039

Hospital Cabinets (12 35 70 13)

12 35 70 13-0040	LF	Hospital Base Cabinet, Laminated Plastic	626.40	108.52
12 35 70 13-0041	LF	Hospital Base Cabinet, Enameled Steel	723.58	108.52
12 35 70 13-0042	LF	Hospital Base Cabinet, Stainless Steel.....	1,095.73	108.52
12 35 70 13-0043	LF	Hospital Cabinet Base Trim, 4" High Enameled Steel	77.01	5.43
12 35 70 13-0044	LF	Hospital Cabinet Base Trim, 4" High Stainless Steel.....	160.74	5.43
12 35 70 13-0045	LF	Hospital Counter Top, Laminated Plastic Without Backsplash	128.69	27.13
12 35 70 13-0046	LF	Hospital Counter Top, Laminated Plastic With Backsplash	141.10	27.13
12 35 70 13-0047	LF	Hospital Counter Top, Stainless Steel.....	292.02	27.13
12 35 70 13-0048	LF	Hospital Wall Cabinet, Laminated Plastic	506.95	72.57
12 35 70 13-0049	LF	Hospital Wall Cabinet, Enameled Steel	610.33	72.57
12 35 70 13-0050	LF	Hospital Wall Cabinet, Stainless Steel.....	920.45	72.57

12 35 70 13-0051

Operating Room Stainless Cabinets (12 35 70 13)

12 35 70 13-0052	EA	18-3/4" Deep x 24-3/4" Wide x 84" High, Left Hinge Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 5124LGAS)	6,646.13	339.12
Note: Includes 9" wire basket (1 EA), 9" tray with 1 short and 1 long divider (1 EA), 6" tray with 2 short and 2 long dividers (4 EA), 3" tray with 3 short and 3 long dividers (2 EA), and metal economy shelf for 18" deep cabinets (1 EA).				
12 35 70 13-0053	EA	18-3/4" Deep x 36" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 519618DGAS).....	10,182.76	406.95
Note: Includes metal shelf for 18" deep x 36" wide cabinets, accepts cath managers (15-3/4" deep x 33" wide) (5 EA).				
12 35 70 13-0054	EA	18-3/4" Deep x 49-1/2" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 514818DGAS).....	11,666.52	474.76
Note: Includes 9" wire basket (2 EA), 9" tray with 1 short and 1 long divider (2 EA), 6" tray with 2 short and 2 long dividers (8 EA), 3" tray with 3 short and 3 long dividers (4 EA), and metal economy shelf for 18" deep cabinets (2 EA).				
12 35 70 13-0055	EA	18-3/4" Deep x 36" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 519618DGAS).....	10,202.29	406.95
Note: Includes metal shelf for 18" deep x 36" wide cabinets, accepts cath managers (15-3/4" deep x 33" wide) (1 EA) and cath manager, 6 in-line hooks, includes hardware (7 EA).				
12 35 70 13-0056	EA	24-3/4" Deep x 17-3/4" Wide x 84" High, Left Hinge Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 5118LGAS)	6,646.13	339.12
Note: Includes 9" wire basket (1 EA), 9" tray with 1 short and 1 long divider (1 EA), 6" tray with 2 short and 2 long dividers (4 EA), 3" tray with 3 short and 3 long dividers (2 EA), and metal economy shelf for 24" deep cabinets (1 EA).				
12 35 70 13-0057	EA	24-3/4" Deep x 34" Wide x 84" High, Glass Door, Stainless Cabinet (Stanley Healthcare 5136DGAS-NC).....	9,842.98	474.76
Note: Includes metal shelf, accepts cath managers (21-5/8" deep x 31" wide) (5 EA).				
12 35 70 13-0058	EA	24-3/4" Deep x 34" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 5136DGAS).....	11,666.52	474.76
Note: Includes 9" wire basket (2 EA), 9" tray with 1 short and 1 long divider (2 EA), 6" tray with 2 short and 2 long dividers (8 EA), 3" tray with 3 short and 3 long dividers (4 EA), and metal economy shelf for 24" deep cabinets (2 EA).				
12 35 70 13-0059	EA	24-3/4" Deep x 34" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 5136DGAS).....	11,031.55	474.76
Note: Includes 9" wire basket (1 EA), 9" tray with 1 short and 1 long divider (1 EA), 6" tray with 2 short and 2 long dividers (4 EA), 3" tray with 3 short and 3 long dividers (2 EA), metal economy shelf for 24" deep cabinets (1 EA), metal shelf, accepts cath managers (21-5/8" deep x 14-3/4" wide) (1 EA), and cath manager, 8 in-line hooks, includes hardware (3 EA).				

12 Furnishings**12 30 Casework****12 35 Specialty Casework**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 35 70 13-0060	EA	18-3/4" Deep x 24-3/4" Wide x 60" High, Recessed, Left Hinged Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 516024LGAS).....	6,421.25	406.95
		Note: Includes 9" tray with 1 short and 1 long divider (1 EA), 6" tray with 2 short and 2 long dividers (4 EA), 3" tray with 3 short and 3 long dividers (1 EA), and metal economy shelf for 18" deep cabinets (1 EA).		
12 35 70 13-0061	EA	18-3/4 Deep" x 36" Wide x 60" High, Recessed, Double Hinged Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 516036DGAS).....	9,549.92	474.76
		Note: Includes metal shelf for 18" deep x 36" wide cabinets, accepts cath managers (15-3/4" deep x 33" wide) (4 EA).		
12 35 70 13-0062	EA	18-3/4" Deep x 49-3/4" Wide x 60" High, Recessed, Double Hinged Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 516049DGAS).....	11,674.71	542.59
		Note: Includes 9" tray with 1 short and 1 long divider (2 EA), 6" tray with 2 short and 2 long dividers (8 EA), 3" tray with 3 short and 3 long dividers (2 EA), and metal economy shelf for 18" deep cabinets (2 EA).		
12 35 70 13-0063	EA	18-3/4" Deep x 36" Wide x 60" High, Recessed, Double Hinged Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 516036DGAS).....	9,803.91	474.76
		Note: Includes metal shelf for 18" deep x 36" wide cabinets, accepts cath managers (15-3/4" deep x 33" wide) (1 EA) and cath manager, 6 in-line hooks, includes hardware (7 EA).		

12 35 70 19 Exam Room Casework (12 35 70)**12 35 70 19-0001 Medical Exam Room Cabinetwork** (12 35 70 19)**12 35 70 19-0002 Medical Exam Room Wall Cabinets** (12 35 70 19-0001)**12 35 70 19-0003 Medical Exam Room Wall Cabinets (Clinton Industries®)** (12 35 70 19-0002)

Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls and flush-face doors.

12 35 70 19-0004	EA	24" Width, 12" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8212).....	553.45	42.03
		For Additional Shelf, Add	48.80	
		For Lock And Inside Latch Combo For Double Doors, Add	113.21	
12 35 70 19-0005	EA	24" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8224).....	602.24	42.03
		For Additional Shelf, Add	48.80	
		For Lock And Inside Latch Combo For Double Doors, Add	113.21	
12 35 70 19-0006	EA	36" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8236).....	976.55	54.92
		For Additional Shelf, Add	48.80	
		For Lock And Inside Latch Combo For Double Doors, Add	113.73	
12 35 70 19-0007	EA	42" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8242).....	1,063.31	57.63
		For Additional Shelf, Add	48.80	
		For Lock And Inside Latch Combo For Double Doors, Add	113.83	
12 35 70 19-0008	EA	48" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8248).....	1,173.69	61.70
		For Additional Shelf, Add	48.80	
		For Lock And Inside Latch Combo For Double Doors, Add	113.99	
12 35 70 19-0009	EA	54" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8254).....	1,325.89	65.77
		For Additional Shelf, Add	48.80	
		For Lock For Single Door/Drawer, Add	76.98	
		For Lock And Inside Latch Combo For Double Doors, Add	114.16	
12 35 70 19-0010	EA	66" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8266).....	1,525.92	70.52
		For Additional Shelf, Add	48.80	
		For Lock For Single Door/Drawer, Add	77.17	
		For Lock And Inside Latch Combo For Double Doors, Add	114.35	
12 35 70 19-0011	EA	72" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8272).....	1,615.38	74.58
		For Additional Shelf, Add	48.80	
		For Lock For Single Door/Drawer, Add	77.33	
		For Lock And Inside Latch Combo For Double Doors, Add	114.51	

12 35 70 19-0012 Medical Exam Room Base Cabinets (12 35 70 19-0001)**12 35 70 19-0013 Medical Exam Room Base Cabinets (Ritter®)** (12 35 70 19-0012)

Note: Includes polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors, Pebble Grey Kydex top.

12 35 70 19-0014	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Ritter® 2060).....	1,845.63	103.73
		For Lock For Single Door/Drawer, Add	78.49	
		For Soft Edge Top, Add	569.29	
12 35 70 19-0015	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-001).....	1,908.37	103.73
		For Lock For Single Door/Drawer, Add	78.49	
		For Soft Edge Top, Add	569.29	
12 35 70 19-0016	EA	24" Width, 36" Height, 18" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-001).....	2,140.74	103.73
		For Lock For Single Door/Drawer, Add	78.49	
		For Soft Edge Top, Add	569.29	
12 35 70 19-0017	EA	24" Width, 36" Height, 24" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-002).....	2,159.33	103.73
		For Lock For Single Door/Drawer, Add	78.49	
		For Soft Edge Top, Add	569.29	
12 35 70 19-0018	EA	24" Width, 36" Height, 24" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-002).....	2,438.16	103.73
		For Lock For Single Door/Drawer, Add	78.49	
		For Soft Edge Top, Add	569.29	

12 35 70 19-0019 Medical Exam Room Base Cabinets (Clinton Industries®) (12 35 70 19-0012)

Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls, flush-face doors and countertop.

12 35 70 19-0020	EA	24" Width, 35" Height, 18" Depth, 2 Doors, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 76).....	978.01	169.50
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	48.80	
		For Lock For Single Door/Drawer, Add	81.10	
		For Lock And Inside Latch Combo For Double Doors, Add	118.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0021	EA		24" Width, 35" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Clinton Industries® 8024).....	1,299.58	103.73
			For Additional Shelf, Add	48.80	
			For Lock For Single Door/Drawer, Add	78.49	
			For Lock And Inside Latch Combo For Double Doors, Add	115.67	
12 35 70 19-0022	EA		36" Width, 35" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8036).....	1,871.40	116.62
			For Additional Shelf, Add	48.80	
			For Lock For Single Door/Drawer, Add	79.00	
			For Lock And Inside Latch Combo For Double Doors, Add	116.18	
12 35 70 19-0023	EA		42" Width, 35" Height, 18" Depth, 3 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8042).....	2,025.15	126.11
			For Additional Shelf, Add	48.80	
			For Lock For Single Door/Drawer, Add	79.38	
			For Lock And Inside Latch Combo For Double Doors, Add	116.56	
12 35 70 19-0024	EA		48" Width, 35" Height, 18" Depth, 4 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8048).....	2,211.07	142.38
			For Additional Shelf, Add	48.80	
			For Lock For Single Door/Drawer, Add	80.02	
			For Lock And Inside Latch Combo For Double Doors, Add	117.20	
12 35 70 19-0025	EA		54" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8054).....	2,658.96	152.55
			For Additional Shelf, Add	48.80	
			For Lock For Single Door/Drawer, Add	80.43	
			For Lock And Inside Latch Combo For Double Doors, Add	117.61	
12 35 70 19-0026	EA		66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8066).....	2,937.22	162.72
			For Additional Shelf, Add	48.80	
			For Lock For Single Door/Drawer, Add	80.83	
			For Lock And Inside Latch Combo For Double Doors, Add	118.01	
12 35 70 19-0027	EA		66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8042-99).....	3,137.50	237.30
			Note: Includes stainless steel sink and faucet.		
			For Additional Shelf, Add	48.80	
			For Lock For Single Door/Drawer, Add	83.80	
			For Lock And Inside Latch Combo For Double Doors, Add	120.98	
12 35 70 19-0028	EA		72" Width, 35" Height, 18" Depth, 6 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8072).....	3,131.84	172.89
			For Additional Shelf, Add	48.80	
			For Lock For Single Door/Drawer, Add	81.24	
			For Lock And Inside Latch Combo For Double Doors, Add	118.42	
12 35 70 19-0029	EA		72" Width, 35" Height, 18" Depth, 2 Doors And 6 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8048-99).....	3,592.17	250.87
			Note: Includes stainless steel sink and faucet.		
			For Additional Shelf, Add	48.80	
			For Lock For Single Door/Drawer, Add	84.34	
			For Lock And Inside Latch Combo For Double Doors, Add	121.52	
12 35 70 19-0030			Medical Exam Room Cabinet Combinations (12 35 70 19-0001)		
12 35 70 19-0031			Medical Exam Room Cabinet Combinations (Ritter®) (12 35 70 19-0030)		
			Note: Includes base cabinet and overhead cabinet, powder coated steel shell, polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors and laminate countertop.		
12 35 70 19-0032	EA		48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic).....	3,000.00	203.40
			For Locks On Single Drawer And All Doors, Add	739.44	
12 35 70 19-0033	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic).....	3,090.63	203.40
			For Locks On Single Drawer And All Doors, Add	739.44	
12 35 70 19-0034	EA		48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic).....	3,756.77	257.64
			Note: Includes stainless steel sink and faucet.		
			For Locks On Single Drawer And All Doors, Add	742.68	
12 35 70 19-0035	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic).....	3,886.90	257.64
			Note: Includes stainless steel sink and faucet.		
			For Locks On Single Drawer And All Doors, Add	742.68	
12 35 70 19-0036	EA		48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value).....	3,462.41	203.40
			For Locks On Single Drawer And All Doors, Add	739.44	
12 35 70 19-0037	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value).....	3,555.36	203.40
			For Locks On Single Drawer And All Doors, Add	739.44	
12 35 70 19-0038	EA		48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value).....	4,495.69	257.64
			Note: Includes stainless steel sink and faucet.		
			For Locks On Single Drawer And All Doors, Add	742.68	
12 35 70 19-0039	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value).....	4,583.99	257.64
			Note: Includes stainless steel sink and faucet.		
			For Locks On Single Drawer And All Doors, Add	742.68	
12 35 70 19-0040	EA		48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care).....	3,922.49	203.40
			For Locks On Single Drawer And All Doors, Add	739.44	
12 35 70 19-0041	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care).....	4,020.09	203.40
			For Locks On Single Drawer And All Doors, Add	739.44	

12 Furnishings**12 30 Casework****12 35 Specialty Casework**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 35 70 19-0042	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care).....	4,958.10	257.64
Note: Includes stainless steel sink and faucet.				
For Locks On Single Drawer And All Doors, Add			742.68	
12 35 70 19-0043	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care).....	5,053.37	257.64
Note: Includes stainless steel sink and faucet.				
For Locks On Single Drawer And All Doors, Add			742.68	
12 35 70 19-0044	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional).....	4,441.46	230.52
For Locks On Single Drawer And All Doors, Add			741.06	
12 35 70 19-0045	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional).....	4,529.76	230.52
For Locks On Single Drawer And All Doors, Add			741.06	
12 35 70 19-0046	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional).....	5,474.75	284.76
Note: Includes stainless steel sink and faucet.				
For Locks On Single Drawer And All Doors, Add			744.29	
12 35 70 19-0047	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional).....	5,579.31	284.76
Note: Includes stainless steel sink and faucet.				
For Locks On Single Drawer And All Doors, Add			744.29	

12 36 Countertops (12 30)**12 36 23 Plastic Countertops** (12 36)**12 36 23 13 Plastic-Laminate-Clad Countertops** (12 36 23)**12 36 23 13-0001 Plastic Laminate Countertops** (12 36 23 13)

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	19.90	13.56
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash	26.88	13.56
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	33.20	4.07
12 36 23 13-0005	EA	Cutout For Sink And/or Faucet In Plastic Laminate Countertop.....	113.00	

12 36 53 Laboratory Countertops (12 36)**12 36 53 00-0001 Epoxy Resin Laboratory Countertops** (12 36 53)

Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0002	SF	3/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	63.77	6.78
12 36 53 00-0003	SF	1" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	65.81	6.78
12 36 53 00-0004	SF	1-1/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	79.89	6.78
12 36 53 00-0005	LF	4" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop.....	24.57	4.07
12 36 53 00-0006	LF	6" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop.....	32.79	4.07

12 36 53 00-0007 Epoxy Resin Laboratory Sinks (12 36 53)

Note: Includes cut out for sinks, and sink strainer assembly set.

12 36 53 00-0008 Epoxy Resin Laboratory Undermount Sink (12 36 53 00-0007)

12 36 53 00-0009	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	643.94	127.81
12 36 53 00-0010	EA	12" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	654.19	127.81
12 36 53 00-0011	EA	12" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	763.75	127.81
12 36 53 00-0012	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	654.19	127.81
12 36 53 00-0013	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	694.47	138.56
12 36 53 00-0014	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	730.99	138.56
12 36 53 00-0015	EA	16" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,489.76	138.56
12 36 53 00-0016	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Undermount Sink	814.44	138.56
12 36 53 00-0017	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	844.31	148.11
12 36 53 00-0018	EA	24" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,032.63	148.11
12 36 53 00-0019	EA	24" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,233.44	148.11
12 36 53 00-0020	EA	30" Length x 18" Width x 18" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,666.81	148.11
12 36 53 00-0021	EA	31" Length x 21" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,380.95	148.11
12 36 53 00-0022	EA	36" Length x 20" Width x 16" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,863.29	148.11
12 36 53 00-0023	EA	42" Length x 20" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	3,912.33	151.69

12 36 53 00-0024 Epoxy Resin Laboratory Drop-in Sink (12 36 53 00-0007)

12 36 53 00-0025	EA	9" Length x 6" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	642.41	127.81
12 36 53 00-0026	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	643.92	127.81
12 36 53 00-0027	EA	12" Length x 12" Width x 12" Depth, Black Epoxy Resin Laboratory Drop-in Sink	748.97	127.81
12 36 53 00-0028	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	654.19	127.81
12 36 53 00-0029	EA	15" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	688.35	127.81
12 36 53 00-0030	EA	15" Length x 8" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	688.35	127.81
12 36 53 00-0031	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Drop-in Sink	694.47	138.56
12 36 53 00-0032	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	730.99	138.56
12 36 53 00-0033	EA	16" Length x 16" Width x 9-5/8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	751.90	138.56
12 36 53 00-0034	EA	18" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	757.11	138.56
12 36 53 00-0035	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	883.33	138.56
12 36 53 00-0036	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	913.20	148.11
12 36 53 00-0037	EA	25" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	932.63	148.11
12 36 53 00-0038	EA	25" Length x 15" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	939.23	148.11
12 36 53 00-0039	EA	30" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	1,375.88	148.11
12 36 53 00-0040	EA	10" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	652.03	126.61

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0041	EA	12" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	669.73	126.61
12 36 53 00-0042		Epoxy Resin Laboratory ADA Drop-in Sink (12 36 53 00-0007)		
12 36 53 00-0043	EA	14" Length x 10" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	648.21	126.61
12 36 53 00-0044	EA	14" Length x 14" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	696.57	126.61
12 36 53 00-0045	EA	14" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	721.28	126.61
12 36 53 00-0046	EA	25" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	939.23	148.11
12 36 53 00-0047		Epoxy Resin Laboratory Cup Sink (12 36 53 00-0007)		
12 36 53 00-0048	EA	6" Length x 3" Width x 4" Depth, Black Oval Epoxy Resin Laboratory Cup Sink	427.09	102.72
12 36 53 00-0049		Polypropylene Laboratory Countertops (12 36 53)		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0050	SF	3/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	29.58	6.78
12 36 53 00-0051	SF	1" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	32.60	6.78
12 36 53 00-0052	SF	1-1/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	36.47	6.78
12 36 53 00-0053	LF	4" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop	13.17	4.07
12 36 53 00-0054	LF	6" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop	15.69	4.07
12 36 53 00-0055		Polypropylene Laboratory Sinks (12 36 53)		
		Note: Includes cut out for sinks, and sink strainer assembly set.		
12 36 53 00-0056		Polypropylene Laboratory Undermount Sink (12 36 53 00-0055)		
12 36 53 00-0057	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	748.15	127.81
12 36 53 00-0058	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	790.29	127.81
12 36 53 00-0059	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	779.93	127.81
12 36 53 00-0060	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Undermount Sink	820.14	138.56
12 36 53 00-0061	EA	16" Length x 13" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	1,021.26	138.56
12 36 53 00-0062	EA	17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	1,031.76	138.56
12 36 53 00-0063	EA	18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	1,031.76	138.56
12 36 53 00-0064	EA	24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	1,104.00	148.11
12 36 53 00-0065	EA	25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Undermount Sink	1,157.17	148.11
12 36 53 00-0066	EA	23" Length x 17" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	1,104.00	148.11
12 36 53 00-0067	EA	30" Length x 18" Width x 18" Depth, Black Polypropylene Laboratory Undermount Sink	1,739.18	148.11
12 36 53 00-0068	EA	31" Length x 20.5" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	1,729.74	148.11
12 36 53 00-0069	EA	42" Length x 18" Width x 16" Depth, Black Polypropylene Laboratory Undermount Sink	3,061.38	151.69
12 36 53 00-0070		Polypropylene Laboratory Drop-in Sink (12 36 53 00-0055)		
12 36 53 00-0071	EA	11" Length x 11" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	642.34	127.81
12 36 53 00-0072	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	1,042.02	127.81
12 36 53 00-0073	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	684.43	127.81
12 36 53 00-0074	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Drop-in Sink	674.10	127.81
12 36 53 00-0075	EA	17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	925.92	138.56
12 36 53 00-0076	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	714.28	138.56
12 36 53 00-0077	EA	18" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	925.92	138.56
12 36 53 00-0078	EA	16" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	904.64	138.56
12 36 53 00-0079	EA	18" Length x 15" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	883.98	138.56
12 36 53 00-0080	EA	18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	925.92	138.56
12 36 53 00-0081	EA	24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	998.16	148.11
12 36 53 00-0082	EA	25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	1,051.31	148.11
12 36 53 00-0083	EA	31" Length x 17" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	1,570.45	148.11
12 36 53 00-0084	EA	12" Diameter x 7.8" Depth, Black Round Polypropylene Laboratory Drop-in Sink	599.37	126.61
12 36 53 00-0085		Polypropylene Laboratory ADA Drop-in Sink (12 36 53 00-0055)		
12 36 53 00-0086	EA	16" Length x 16" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	883.98	138.56
12 36 53 00-0087	EA	25" Length x 15" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	1,027.50	148.11
12 36 53 00-0088		Polypropylene Laboratory Cup Sink (12 36 53 00-0055)		
12 36 53 00-0089	EA	6" Length x 3" Width x 4" Depth, Black Oval Polypropylene Laboratory Cup Sink	466.67	126.61
12 36 53 00-0090		Phenolic Resin Laboratory Countertops (12 36 53)		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0091	SF	3/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	52.35	6.78
12 36 53 00-0092	SF	1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	59.10	6.78
12 36 53 00-0093	SF	1-1/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	63.79	6.78
12 36 53 00-0094	LF	4" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	20.02	4.07
12 36 53 00-0095	LF	6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	25.90	4.07
12 36 53 00-0096		High Pressure Laminate Laboratory Countertops (12 36 53)		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0097	SF	3/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	30.54	6.78
12 36 53 00-0098	SF	1" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	32.09	6.78
12 36 53 00-0099	SF	1-1/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	32.09	6.78
12 36 53 00-0100	LF	4" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	16.95	4.07
12 36 53 00-0101	LF	6" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	16.95	4.07

12	12	Furnishings
	12 30	Casework
	12 36	Countertops



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 36 61 Simulated Stone Countertops (12 36)

12 36 61 16 Solid Surfacing Countertops (12 36 61)

12 36 61 16-0001 Solid Surface Countertops (12 36 61 16)

12 36 61 16-0002 Solid Surface Countertops (12 36 61 16-0001)

Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 61 16-0003	SF	1/4" Thick, Solid Color, Solid Surface Backsplash.....	52.35	9.05
		Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
		For Up To 50, Add	17.17	
		For >50 To 100, Add	9.88	
12 36 61 16-0004	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash.....	75.75	13.56
		Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
		For Up To 50, Add	24.58	
		For >50 To 100, Add	14.41	
12 36 61 16-0005	SF	3/4" Thick, Solid Color, Solid Surface Countertop Without Backsplash.....	95.69	13.56
		Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
		For Up To 50, Add	31.46	
		For >50 To 100, Add	18.04	
12 36 61 16-0006	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash.....	91.27	13.56
		For Up To 50, Add	29.23	
		For >50 To 100, Add	17.51	
12 36 61 16-0007	LF	1/2" Thick, Solid Color, Solid Surface 4" End Splash For Solid Surface Countertops.....	30.03	5.76
12 36 61 16-0008	EA	Cutout For Undercounter Sink In Solid Surface Countertop	203.40	
		Note: Not including integral seamed sinks		

12 36 61 16-0009 Integral Seamless Solid Surface Lavatory (12 36 61 16-0001)

Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0010	EA	16-1/2" x 13-1/8" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810).....	304.13	
12 36 61 16-0011	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815).....	372.36	
12 36 61 16-0012	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816).....	284.29	
12 36 61 16-0013	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820).....	273.12	
12 36 61 16-0014	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830).....	372.36	
12 36 61 16-0015	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831).....	372.36	
12 36 61 16-0016	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835).....	372.36	
12 36 61 16-0017	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837)	372.36	

12 36 61 16-0018 Integral Seamless Solid Surface Kitchen Sink (12 36 61 16-0001)

Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0019	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink.....	402.48	
12 36 61 16-0020	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink	619.57	
12 36 61 16-0021	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	793.24	
12 36 61 16-0022	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	850.30	
12 36 61 16-0023	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink	850.30	

12 36 61 19 Quartz Agglomerate Countertops (12 36 61)

12 36 61 19-0001 Quartz Agglomerate Countertops (12 36 61 19)

Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	83.79	18.98
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	101.57	18.98
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	93.62	21.70
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	111.38	21.70
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops	18.55	5.76
12 36 61 19-0007	EA	Cutout For Sink And/or Faucet In Quartz Agglomerate Countertop	203.40	

12 40 Furnishings and Accessories (12)

12 41 Office Accessories (12 40)

12 41 11 Office Accessories (12 41)

12 41 11 00-0001 Wall Mounted Office Accessories (12 41 11)

12 41 11 00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOMS1BLK).....	27.13	4.55
12 41 11 00-0003	EA	Wall Mounted Flag.....	20.26	4.55

12 41 11 00-0004 Desk Edge Mounted Clamps (12 41 11)

12 41 11 00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels.....	41.68	
		Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and tabletops, clamp adjusts to support 1/8" to 3/8" thick panels.		
		For >10 To 50, Deduct	-10.19	
		For >50, Deduct	-16.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 48 Rugs and Mats ^(12 40)

12 48 13 Entrance Floor Mats and Frames ^(12 48)

12 48 13 13 Entrance Floor Mats ^(12 48 13)

12 48 13 13-0001 Floor Mats ^(12 48 13 13)

12 48 13 13-0002	SF	3/8" Thick Solid Recessed Floor Mat.....	33.84	2.90
		For Colors, Add.....	5.61	
12 48 13 13-0003	SF	1/2" Thick Solid Recessed Floor Mat.....	42.47	2.90
		For Colors, Add.....	7.33	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessed Floor Mat.....	36.00	2.90
		For Colors, Add.....	6.04	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessed Floor Mat.....	44.63	2.90
		For Colors, Add.....	7.77	

12 48 13 13-0006 Link Mats ^(12 48 13 13)

Note: Includes nosing.

12 48 13 13-0007	SF	3/8" Link Mats, Aluminum.....	48.99	2.90
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods.....	35.47	2.90
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats.....	21.88	2.90
12 48 13 13-0010	SF	Vinyl Link Mats, Color.....	38.67	2.90
12 48 13 13-0011	LF	Rubber Nosing.....	5.03	1.27

12 48 13 13-0012 Duckboard ^(12 48 13 13)

12 48 13 13-0013	SF	Aluminum Slats.....	71.10	3.53
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base.....	16.61	3.53
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers.....	18.02	3.53
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick.....	25.01	3.53
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom.....	22.92	3.53
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom.....	35.46	3.53

12 48 13 16 Entrance Floor Mat Frames ^(12 48 13)

12 48 13 16-0001 Recessed Frames ^(12 48 13 16)

12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame.....	31.19	5.43
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame.....	19.26	5.43

12 50 Furniture ⁽¹²⁾

12 56 Institutional Furniture ^(12 50)

12 56 53 Laboratory Furniture ^(12 56)

12 56 53 00-0001 Steel Laboratory Furniture ^(12 56 53)

12 56 53 00-0002 Modular Steel Laboratory Cabinets ^(12 56 53 00-0001)

12 56 53 00-0003 29-3/8" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets ^(12 56 53 00-0002)

12 56 53 00-0004	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,152.44	117.20
12 56 53 00-0005	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,150.18	117.20
12 56 53 00-0006	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,257.71	127.91
12 56 53 00-0007	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,196.50	127.91
12 56 53 00-0008	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,419.96	144.33
12 56 53 00-0009	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,465.46	149.07
12 56 53 00-0010	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,616.29	164.40
12 56 53 00-0011	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet.....	1,678.90	170.78
12 56 53 00-0012	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,630.51	165.76
12 56 53 00-0013	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,636.22	166.44
12 56 53 00-0014	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,730.11	175.94
12 56 53 00-0015	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	1,693.07	172.14
12 56 53 00-0016	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,262.31	230.05
12 56 53 00-0017	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,304.56	234.40
12 56 53 00-0018	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,543.93	258.68
12 56 53 00-0019	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet.....	2,584.08	262.75
12 56 53 00-0020	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet.....	2,367.74	240.77
12 56 53 00-0021	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet.....	2,634.87	268.04
12 56 53 00-0022	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet.....	2,557.79	268.04
12 56 53 00-0023	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,392.28	242.81
12 56 53 00-0024	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,371.88	242.81
12 56 53 00-0025	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,561.03	260.45
12 56 53 00-0026	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,542.97	260.03
12 56 53 00-0027	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,782.19	282.69
12 56 53 00-0028	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	2,865.42	291.37
12 56 53 00-0029	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,135.54	318.77
12 56 53 00-0030	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet.....	3,209.19	326.37
12 56 53 00-0031	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,677.73	272.24
12 56 53 00-0032	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,518.37	256.10
12 56 53 00-0033	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,845.58	289.34
12 56 53 00-0034	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet.....	2,706.14	275.23
12 56 53 00-0035	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet.....	3,036.46	308.73

12 Furnishings**12 50 Furniture****12 56 Institutional Furniture**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 56 53 00-0036	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,036.46	308.73
12 56 53 00-0037	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,323.25	337.90
12 56 53 00-0038	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,204.15	325.83
12 56 53 00-0039	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,722.03	378.46
12 56 53 00-0040	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,735.63	378.60
12 56 53 00-0041	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,057.87	412.64
12 56 53 00-0042	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,097.72	416.71
12 56 53 00-0043	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,555.82	463.24
12 56 53 00-0044	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,698.15	477.75
12 56 53 00-0045	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,461.58	477.48
12 56 53 00-0046	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,979.63	506.37
12 56 53 00-0047	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,865.91	494.84
12 56 53 00-0048	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,162.61	219.89
12 56 53 00-0049	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,105.93	220.43
12 56 53 00-0050	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,256.52	229.38
12 56 53 00-0051	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,199.85	229.38
12 56 53 00-0052	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	3,030.46	308.19
12 56 53 00-0053	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	2,620.74	266.41

12 56 53 00-0054 35-1/4" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets (12 56 53

12 56 53 00-0055	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,206.52	122.77
12 56 53 00-0056	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,199.71	122.77
12 56 53 00-0057	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,274.85	129.68
12 56 53 00-0058	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,232.15	125.47
12 56 53 00-0059	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,459.78	148.53
12 56 53 00-0060	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,530.92	155.32
12 56 53 00-0061	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,633.36	166.17
12 56 53 00-0062	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,695.97	172.95
12 56 53 00-0063	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,710.20	173.62
12 56 53 00-0064	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,710.20	173.62
12 56 53 00-0065	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,815.48	184.48
12 56 53 00-0066	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,794.07	187.19
12 56 53 00-0067	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,370.35	240.77
12 56 53 00-0068	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,432.95	246.88
12 56 53 00-0069	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,615.12	265.87
12 56 53 00-0070	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,674.84	271.97
12 56 53 00-0071	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet	2,635.03	267.91
12 56 53 00-0072	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet	2,709.03	275.36
12 56 53 00-0073	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,890.88	293.67
12 56 53 00-0074	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,124.08	317.42
12 56 53 00-0075	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,104.04	317.42
12 56 53 00-0076	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,842.72	288.25
12 56 53 00-0077	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	1,581.23	289.61
12 56 53 00-0078	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,987.85	303.85
12 56 53 00-0079	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,940.25	303.85
12 56 53 00-0080	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,292.31	334.78
12 56 53 00-0081	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,423.25	348.07
12 56 53 00-0082	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,635.89	369.78
12 56 53 00-0083	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,722.03	378.46
12 56 53 00-0084	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,030.79	307.92
12 56 53 00-0085	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,238.18	328.94
12 56 53 00-0086	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,257.91	330.98
12 56 53 00-0087	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,383.33	343.87
12 56 53 00-0088	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,906.98	397.44
12 56 53 00-0089	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,040.67	411.01
12 56 53 00-0090	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,242.59	431.35
12 56 53 00-0091	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,245.73	431.35
12 56 53 00-0092	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,746.47	482.91
12 56 53 00-0093	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,785.96	486.30
12 56 53 00-0094	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	4,883.57	496.47
12 56 53 00-0095	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,150.03	524.28
12 56 53 00-0096	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,166.55	525.63
12 56 53 00-0097	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,241.65	532.96
12 56 53 00-0098	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,489.06	558.19
12 56 53 00-0099	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,594.28	568.90
12 56 53 00-0100	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,736.58	583.29
12 56 53 00-0101	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	5,893.42	599.29
12 56 53 00-0102	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,208.27	224.49
12 56 53 00-0103	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,247.86	228.57
12 56 53 00-0104	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,256.52	229.24
12 56 53 00-0105	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,307.48	234.67
12 56 53 00-0106	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,036.46	308.73
12 56 53 00-0107	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,127.55	317.96
12 56 53 00-0108	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,349.07	340.61
12 56 53 00-0109	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,397.31	345.23
12 56 53 00-0110	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	3,150.48	320.12
12 56 53 00-0111	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	2,923.02	297.06
12 56 53 00-0112	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,550.82	157.75
12 56 53 00-0113	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,570.76	159.65
12 56 53 00-0114	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,636.22	166.17
12 56 53 00-0115	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,641.90	166.85
12 56 53 00-0116	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,148.45	218.53

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 56 53 00-0117	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,196.82	223.41
12 56 53 00-0118	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,341.86	238.06
12 56 53 00-0119	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,350.41	239.01
12 56 53 00-0120	EA	52" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,714.64	276.04
12 56 53 00-0121	EA	58" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	2,987.85	303.85
12 56 53 00-0122	EA	60" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	3,124.44	317.69

12 56 53 00-0123 25-3/16" High x 16" Deep, Modular Steel Laboratory Wall Cabinets (12 56 53 00-0002)

12 56 53 00-0124	EA	15" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,146.76	116.66
12 56 53 00-0125	EA	18" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,183.75	120.32
12 56 53 00-0126	EA	21" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,192.29	121.27
12 56 53 00-0127	EA	24" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,223.60	124.38
12 56 53 00-0128	EA	30" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,280.51	130.22
12 56 53 00-0129	EA	36" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,308.97	133.07
12 56 53 00-0130	EA	42" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,425.62	145.01
12 56 53 00-0131	EA	48" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,442.71	146.63
12 56 53 00-0132	EA	15" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,695.97	172.41
12 56 53 00-0133	EA	18" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,738.64	176.75
12 56 53 00-0134	EA	21" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,778.49	180.81
12 56 53 00-0135	EA	24" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,815.48	184.62
12 56 53 00-0136	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,208.21	224.49
12 56 53 00-0137	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,236.65	227.48
12 56 53 00-0138	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,438.64	247.97
12 56 53 00-0139	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,447.19	248.91
12 56 53 00-0140	EA	15" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,983.34	201.70
12 56 53 00-0141	EA	18" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,048.81	208.35
12 56 53 00-0142	EA	21" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,082.93	211.75
12 56 53 00-0143	EA	24" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,119.94	215.54
12 56 53 00-0144	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,970.78	302.08
12 56 53 00-0145	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,030.57	308.19
12 56 53 00-0146	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,206.92	326.10
12 56 53 00-0147	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,263.87	331.93
12 56 53 00-0148	EA	25-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,714.64	276.04
12 56 53 00-0149	EA	28-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,004.95	305.61
12 56 53 00-0150	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,287.36	224.49
12 56 53 00-0151	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,316.83	227.48
12 56 53 00-0152	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,526.06	247.97
12 56 53 00-0153	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,534.92	248.78
12 56 53 00-0154	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,077.28	302.08
12 56 53 00-0155	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,139.21	308.19
12 56 53 00-0156	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,321.88	326.10
12 56 53 00-0157	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,380.87	331.93

12 56 53 00-0158 31" High x 16" Deep, Modular Steel Laboratory Wall Cabinets (12 56 53 00-0002)

12 56 53 00-0159	EA	15" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,252.06	127.51
12 56 53 00-0160	EA	18" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,289.04	130.90
12 56 53 00-0161	EA	21" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,294.74	131.58
12 56 53 00-0162	EA	24" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,308.97	132.93
12 56 53 00-0163	EA	30" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,391.50	141.75
12 56 53 00-0164	EA	36" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,431.33	145.14
12 56 53 00-0165	EA	42" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,698.80	172.95
12 56 53 00-0166	EA	48" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,735.82	176.34
12 56 53 00-0167	EA	15" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,767.12	179.73
12 56 53 00-0168	EA	18" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,812.61	184.48
12 56 53 00-0169	EA	21" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,843.95	187.87
12 56 53 00-0170	EA	24" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,932.17	196.01
12 56 53 00-0171	EA	30" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,387.47	242.81
12 56 53 00-0172	EA	36" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,421.58	246.20
12 56 53 00-0173	EA	42" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,691.86	274.00
12 56 53 00-0174	EA	48" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,745.94	279.43
12 56 53 00-0175	EA	15" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,102.86	213.64
12 56 53 00-0176	EA	18" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,165.51	219.75
12 56 53 00-0177	EA	21" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,196.77	223.14
12 56 53 00-0178	EA	24" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,253.70	229.24
12 56 53 00-0179	EA	30" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,067.53	311.31
12 56 53 00-0180	EA	36" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,155.76	320.81
12 56 53 00-0181	EA	42" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,676.42	373.71
12 56 53 00-0182	EA	48" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,488.29	331.66
12 56 53 00-0183	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,004.84	305.88
12 56 53 00-0184	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	3,576.87	364.21
12 56 53 00-0185	EA	30" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,473.05	242.81
12 56 53 00-0186	EA	36" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,508.39	246.20
12 56 53 00-0187	EA	42" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,788.37	273.73
12 56 53 00-0188	EA	48" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,844.37	279.16
12 56 53 00-0189	EA	30" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,177.50	311.99
12 56 53 00-0190	EA	36" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,268.88	320.94
12 56 53 00-0191	EA	42" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,808.22	373.85
12 56 53 00-0192	EA	48" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	3,615.39	331.93

12 Furnishings**12 50 Furniture****12 56 Institutional Furniture**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**12 56 53 00-0193****Wood Laboratory Furniture** (12 56 53)

Note: Laboratory Grade with chemical resistant finish, premium quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, solid 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs, mitered corners and solid wood drawer bodies with steel guides and ball bearings. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves.

12 56 53 00-0194**Wood Laboratory Cabinets** (12 56 53 00-0193)**12 56 53 00-0195****28-1/2" High x 21-1/2" Deep, Wood Laboratory Base Cabinets** (12 56 53 00-0194)

12 56 53 00-0196	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,005.42	107.16
12 56 53 00-0197	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,038.04	110.56
12 56 53 00-0198	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,070.63	113.95
12 56 53 00-0199	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,103.23	118.01
12 56 53 00-0200	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,225.56	130.90
12 56 53 00-0201	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,307.08	139.04
12 56 53 00-0202	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,366.86	145.14
12 56 53 00-0203	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	1,440.25	153.28
12 56 53 00-0204	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,222.84	130.22
12 56 53 00-0205	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,266.32	134.96
12 56 53 00-0206	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,293.49	137.68
12 56 53 00-0207	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,328.78	141.75
12 56 53 00-0208	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,709.30	181.77
12 56 53 00-0209	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,814.94	193.30
12 56 53 00-0210	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,875.00	199.40
12 56 53 00-0211	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	1,948.64	207.54
12 56 53 00-0212	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,796.01	191.26
12 56 53 00-0213	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,858.95	198.04
12 56 53 00-0214	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,907.64	203.47
12 56 53 00-0215	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	1,972.92	209.58
12 56 53 00-0216	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,826.10	193.98
12 56 53 00-0217	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,899.49	202.79
12 56 53 00-0218	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,953.83	208.22
12 56 53 00-0219	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	2,016.34	215.00
12 56 53 00-0220	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	2,856.08	303.85
12 56 53 00-0221	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	3,027.11	322.17
12 56 53 00-0222	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	3,089.56	328.94
12 56 53 00-0223	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	3,211.95	341.83
12 56 53 00-0224	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	3,271.78	347.93
12 56 53 00-0225	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	3,423.91	364.89
12 56 53 00-0226	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	3,524.33	375.74
12 56 53 00-0227	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	3,646.70	388.63
12 56 53 00-0228	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	1,353.25	144.47
12 56 53 00-0229	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	1,402.17	149.89
12 56 53 00-0230	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	1,432.06	152.60
12 56 53 00-0231	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	1,472.83	156.67
12 56 53 00-0232	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base.....	2,184.77	232.64
12 56 53 00-0233	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base.....	2,285.34	243.35
12 56 53 00-0234	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base.....	2,350.53	250.27
12 56 53 00-0235	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base.....	2,434.81	259.22
12 56 53 00-0236	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner, Wood Laboratory Base Cabinet.....	2,853.28	303.85
12 56 53 00-0237	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner With Lazy Susan, Wood Laboratory Base Cabinet.....	3,162.98	337.08
12 56 53 00-0238	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	1,114.13	118.69
12 56 53 00-0239	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	1,149.45	122.35
12 56 53 00-0240	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	1,171.18	124.66
12 56 53 00-0241	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	1,198.36	127.64
12 56 53 00-0242	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	1,535.32	163.46
12 56 53 00-0243	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	1,614.12	171.86
12 56 53 00-0244	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	1,660.33	176.75
12 56 53 00-0245	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	1,709.23	182.04

12 56 53 00-0246**35-3/4" High x 22" Deep, Wood Laboratory Base Cabinets** (12 56 53 00-0194)

12 56 53 00-0247	EA	24" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet.....	1,761.51	187.54
12 56 53 00-0248	EA	30" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet.....	2,281.41	242.49
12 56 53 00-0249	EA	36" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet.....	2,297.48	244.60
12 56 53 00-0250	EA	48" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet.....	2,649.79	282.12
12 56 53 00-0251	EA	24" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	2,887.69	307.44
12 56 53 00-0252	EA	30" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	3,239.95	344.96
12 56 53 00-0253	EA	36" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	3,465.83	369.00
12 56 53 00-0254	EA	48" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	4,104.15	436.96
12 56 53 00-0255	EA	24" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet.....	2,122.84	225.45
12 56 53 00-0256	EA	30" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet.....	2,923.78	311.28
12 56 53 00-0257	EA	36" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet.....	3,041.23	323.80
12 56 53 00-0258	EA	48" Wide Base Cabinet With Combination Door/Drawer.....	3,399.57	361.95

12 56 53 00-0259**30-5/8" High x 13" Deep, Wood Laboratory Wall Cabinets** (12 56 53 00-0194)

12 56 53 00-0260	EA	15" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,195.66	127.51
		For 36" Height Cabinet, Add.....	174.09	
12 56 53 00-0261	EA	18" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,241.85	131.58
		For 36" Height Cabinet, Add.....	180.82	
12 56 53 00-0262	EA	21" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,274.46	135.65
		For 36" Height Cabinet, Add.....	185.57	
12 56 53 00-0263	EA	24" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	1,163.04	123.44
		For 36" Height Cabinet, Add.....	169.34	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0264	EA	30" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,336.98 194.67	142.43
12 56 53 00-0265	EA	36" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,448.39 210.89	153.96
12 56 53 00-0266	EA	42" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,513.59 220.38	161.42
12 56 53 00-0267	EA	48" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,603.28 233.44	170.23
12 56 53 00-0268	EA	15" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,312.52 191.11	139.71
12 56 53 00-0269	EA	18" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,372.30 199.81	146.50
12 56 53 00-0270	EA	21" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	3,173.78 20.93	1,532.82
12 56 53 00-0271	EA	24" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,475.55 214.84	156.67
12 56 53 00-0272	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,929.38 280.92	205.50
12 56 53 00-0273	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,078.82 302.68	221.10
12 56 53 00-0274	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,173.93 316.53	231.95
12 56 53 00-0275	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,288.03 333.15	243.49
12 56 53 00-0276	EA	15" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,470.11 214.05	156.67
12 56 53 00-0277	EA	18" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,527.19 222.36	162.77
12 56 53 00-0278	EA	21" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,570.64 228.69	166.85
12 56 53 00-0279	EA	24" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,630.44 237.40	173.62
12 56 53 00-0280	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,247.28 327.21	239.42
12 56 53 00-0281	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,391.34 348.18	254.34
12 56 53 00-0282	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,456.47 357.68	261.80
12 56 53 00-0283	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,605.96 379.44	277.40
12 56 53 00-0284	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,010.94 292.79	213.64
12 56 53 00-0285	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,170.91 316.13	231.28
12 56 53 00-0286	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,317.80 337.50	246.88
12 56 53 00-0287	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,480.86 361.24	264.51
12 56 53 00-0288	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,429.66 353.72	258.40
12 56 53 00-0289	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,581.76 375.88	274.69
12 56 53 00-0290	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,663.02 387.75	283.51
12 56 53 00-0291	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,809.73 409.11	299.11
12 56 53 00-0292	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,962.23 431.27	315.38
12 56 53 00-0293	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	3,084.14 449.08	328.94
12 56 53 00-0294		30-5/8" High x 16" Deep, Wood Laboratory Wall Cabinets (12 56 53 00-0194)		
12 56 53 00-0295	EA	30" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,478.27 215.24	157.35
12 56 53 00-0296	EA	36" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,619.58 235.81	172.28
12 56 53 00-0297	EA	42" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,698.38 247.29	181.09
12 56 53 00-0298	EA	48" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet..... <i>For 36" Height Cabinet, Add</i>	1,804.37 262.72	191.26
12 56 53 00-0299	EA	15" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,375.01 200.21	146.50
12 56 53 00-0300	EA	18" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,448.39 210.89	154.64
12 56 53 00-0301	EA	21" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,491.80 217.22	159.38
12 56 53 00-0302	EA	24" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,554.35 226.32	164.81
12 56 53 00-0303	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,040.82 297.14	217.04
12 56 53 00-0304	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,214.70 322.46	235.34
12 56 53 00-0305	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,312.51 336.71	246.88
12 56 53 00-0306	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	2,442.90 355.70	259.76
12 56 53 00-0307	EA	15" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet <i>For 36" Height Cabinet, Add</i>	1,538.04 223.94	164.13

12 Furnishings**12 50 Furniture****12 56 Institutional Furniture**

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12 56 53 00-0308	EA	18" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,584.27	168.88
		<i>For 36" Height Cabinet, Add</i>	230.67	
12 56 53 00-0309	EA	21" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,635.85	173.62
		<i>For 36" Height Cabinet, Add</i>	238.19	
12 56 53 00-0310	EA	24" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,720.10	183.13
		<i>For 36" Height Cabinet, Add</i>	250.45	
12 56 53 00-0311	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,345.15	249.59
		<i>For 36" Height Cabinet, Add</i>	341.46	
12 56 53 00-0312	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,529.93	269.26
		<i>For 36" Height Cabinet, Add</i>	368.36	
12 56 53 00-0313	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,608.64	278.08
		<i>For 36" Height Cabinet, Add</i>	379.83	
12 56 53 00-0314	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,777.17	295.72
		<i>For 36" Height Cabinet, Add</i>	404.37	
12 56 53 00-0315	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,106.07	223.82
		<i>For 36" Height Cabinet, Add</i>	306.64	
12 56 53 00-0316	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,328.52	248.24
		<i>For 36" Height Cabinet, Add</i>	339.08	
12 56 53 00-0317	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,445.52	260.45
		<i>For 36" Height Cabinet, Add</i>	356.10	
12 56 53 00-0318	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,614.29	278.76
		<i>For 36" Height Cabinet, Add</i>	380.63	
12 56 53 00-0319	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,538.42	269.94
		<i>For 36" Height Cabinet, Add</i>	369.55	
12 56 53 00-0320	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,698.62	286.90
		<i>For 36" Height Cabinet, Add</i>	392.89	
12 56 53 00-0321	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,807.07	299.11
		<i>For 36" Height Cabinet, Add</i>	408.72	
12 56 53 00-0322	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,959.16	314.70
		<i>For 36" Height Cabinet, Add</i>	430.88	
12 56 53 00-0323	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet	3,100.80	330.30
		<i>For 36" Height Cabinet, Add</i>	451.45	
12 56 53 00-0324	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet	3,200.91	341.15
		<i>For 36" Height Cabinet, Add</i>	466.09	

12 56 53 00-0325 Plastic Laminate Laboratory Furniture (12 56 53)**12 56 53 00-0326 Plastic Laminate Laboratory Cabinets** (12 56 53 00-0325)**12 56 53 00-0327 28-1/2" High x 22.3" Deep, Plastic Laminate Laboratory Base Cabinet** (12 56 53 00-0326)

12 56 53 00-0328	EA	15" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	885.10	107.03
12 56 53 00-0329	EA	18" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	913.81	110.56
12 56 53 00-0330	EA	21" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	942.50	113.95
12 56 53 00-0331	EA	24" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	971.19	117.47
12 56 53 00-0332	EA	30" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,078.89	130.49
12 56 53 00-0333	EA	36" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,150.65	139.18
12 56 53 00-0334	EA	42" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,203.28	145.54
12 56 53 00-0335	EA	48" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,267.89	153.42
12 56 53 00-0336	EA	15" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,076.50	130.22
12 56 53 00-0337	EA	18" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,114.77	134.83
12 56 53 00-0338	EA	21" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,138.69	137.68
12 56 53 00-0339	EA	24" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,169.75	141.48
12 56 53 00-0340	EA	30" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,504.74	182.04
12 56 53 00-0341	EA	36" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,597.70	193.16
12 56 53 00-0342	EA	42" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,650.61	199.67
12 56 53 00-0343	EA	48" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,715.46	207.54
12 56 53 00-0344	EA	15" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,581.04	191.12
12 56 53 00-0345	EA	18" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,636.50	198.04
12 56 53 00-0346	EA	21" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,679.35	203.20
12 56 53 00-0347	EA	24" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,736.82	210.12
12 56 53 00-0348	EA	15" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,607.56	194.38
12 56 53 00-0349	EA	18" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,672.17	202.25
12 56 53 00-0350	EA	21" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,720.01	208.08
12 56 53 00-0351	EA	24" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,775.04	214.73
12 56 53 00-0352	EA	15" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,279.45	130.22
12 56 53 00-0353	EA	18" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,326.10	134.96
12 56 53 00-0354	EA	21" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,354.42	137.68
12 56 53 00-0355	EA	24" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,391.26	141.75
12 56 53 00-0356	EA	30" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,035.41	246.20
12 56 53 00-0357	EA	36" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,186.51	264.51
12 56 53 00-0358	EA	42" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,240.80	271.30
12 56 53 00-0359	EA	48" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,348.90	284.18
12 56 53 00-0360	EA	15" Wide Cabinet, 1 Drawer Over Cupboard	1,191.29	144.06
12 56 53 00-0361	EA	18" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinets	1,234.37	149.35
12 56 53 00-0362	EA	21" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,260.67	152.46
12 56 53 00-0363	EA	24" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,296.57	156.81
12 56 53 00-0364	EA	30" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,923.30	232.64
12 56 53 00-0365	EA	36" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,011.83	243.35
12 56 53 00-0366	EA	42" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,069.23	250.27
12 56 53 00-0367	EA	48" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,143.43	259.22
12 56 53 00-0368	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner, Plastic Laminate Laboratory Base Cabinet	2,511.91	303.85
12 56 53 00-0369	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner With Lazy Susan, Plastic Laminate Laboratory Base Cabinet	2,784.43	336.81
12 56 53 00-0370	EA	15" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	980.80	118.69
12 56 53 00-0371	EA	18" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,011.89	122.35
12 56 53 00-0372	EA	21" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,031.02	124.66

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0373	EA	24" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,054.94	127.64
12 56 53 00-0374	EA	30" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,351.58	163.46
12 56 53 00-0375	EA	36" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,420.95	171.86
12 56 53 00-0376	EA	42" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,461.63	176.75
12 56 53 00-0377	EA	48" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	1,504.67	182.04
12 56 53 00-0378 30.6" High x 12" Deep, Plastic Laminate Laboratory Wall Cabinet (12 56 53 00-0326)				
12 56 53 00-0379	EA	15" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,052.57	127.37
		For 36" Height Cabinet, Add	147.62	
12 56 53 00-0380	EA	18" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,093.23	132.26
		For 36" Height Cabinet, Add	153.32	
12 56 53 00-0381	EA	21" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,121.93	135.65
		For 36" Height Cabinet, Add	157.35	
12 56 53 00-0382	EA	24" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,023.85	123.84
		For 36" Height Cabinet, Add	143.59	
12 56 53 00-0383	EA	30" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,176.97	142.43
		For 36" Height Cabinet, Add	165.06	
12 56 53 00-0384	EA	36" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,275.06	154.23
		For 36" Height Cabinet, Add	178.82	
12 56 53 00-0385	EA	42" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,332.45	161.15
		For 36" Height Cabinet, Add	186.87	
12 56 53 00-0386	EA	48" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	1,411.41	170.78
		For 36" Height Cabinet, Add	197.94	
12 56 53 00-0387	EA	15" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,155.44	139.71
		For 36" Height Cabinet, Add	162.05	
12 56 53 00-0388	EA	18" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,208.07	146.09
		For 36" Height Cabinet, Add	169.43	
12 56 53 00-0389	EA	21" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	3,156.57	1,530.37
		For 36" Height Cabinet, Add	17.75	
12 56 53 00-0390	EA	24" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,298.96	157.08
		For 36" Height Cabinet, Add	182.18	
12 56 53 00-0391	EA	30" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,698.49	205.50
		For 36" Height Cabinet, Add	238.20	
12 56 53 00-0392	EA	36" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,830.04	221.37
		For 36" Height Cabinet, Add	256.66	
12 56 53 00-0393	EA	42" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,913.76	231.41
		For 36" Height Cabinet, Add	268.40	
12 56 53 00-0394	EA	48" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,014.21	243.62
		For 36" Height Cabinet, Add	282.49	
12 56 53 00-0395	EA	15" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,294.17	156.54
		For 36" Height Cabinet, Add	181.50	
12 56 53 00-0396	EA	18" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,344.42	162.64
		For 36" Height Cabinet, Add	188.55	
12 56 53 00-0397	EA	21" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,382.67	167.26
		For 36" Height Cabinet, Add	193.92	
12 56 53 00-0398	EA	24" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,435.31	173.62
		For 36" Height Cabinet, Add	201.30	
12 56 53 00-0399	EA	30" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,978.34	239.29
		For 36" Height Cabinet, Add	277.46	
12 56 53 00-0400	EA	36" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,105.15	254.61
		For 36" Height Cabinet, Add	295.24	
12 56 53 00-0401	EA	42" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,162.48	261.53
		For 36" Height Cabinet, Add	303.29	
12 56 53 00-0402	EA	48" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,294.09	277.53
		For 36" Height Cabinet, Add	321.74	
12 56 53 00-0403	EA	30" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,770.28	214.18
		For 36" Height Cabinet, Add	248.27	
12 56 53 00-0404	EA	36" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,911.07	231.01
		For 36" Height Cabinet, Add	268.06	
12 56 53 00-0405	EA	42" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,040.40	246.74
		For 36" Height Cabinet, Add	286.18	
12 56 53 00-0406	EA	48" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,183.95	264.38
		For 36" Height Cabinet, Add	306.31	
12 56 53 00-0407	EA	30" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,138.92	258.82
		For 36" Height Cabinet, Add	299.93	
12 56 53 00-0408	EA	36" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,272.81	274.96
		For 36" Height Cabinet, Add	318.72	
12 56 53 00-0409	EA	42" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,344.31	283.51
		For 36" Height Cabinet, Add	328.79	
12 56 53 00-0410	EA	48" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,473.46	299.11
		For 36" Height Cabinet, Add	346.90	
12 56 53 00-0411 30.6" High x 16" Deep, Plastic Laminate Laboratory Wall Cabinet (12 56 53 00-0326)				
12 56 53 00-0412	EA	15" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,210.45	146.36
		For 36" Height Cabinet, Add	169.76	
12 56 53 00-0413	EA	18" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,275.06	154.23
		For 36" Height Cabinet, Add	178.82	
12 56 53 00-0414	EA	21" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,313.26	158.84
		For 36" Height Cabinet, Add	184.19	
12 56 53 00-0415	EA	24" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,368.33	165.49
		For 36" Height Cabinet, Add	191.90	
12 56 53 00-0416	EA	30" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,796.59	217.31
		For 36" Height Cabinet, Add	251.96	
12 56 53 00-0417	EA	36" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,949.65	235.89
		For 36" Height Cabinet, Add	273.43	

12 Furnishings**12 50 Furniture****12 56 Institutional Furniture**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 56 53 00-0418	EA	42" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,035.76	246.20
		<i>For 36" Height Cabinet, Add</i>	285.51	
12 56 53 00-0419	EA	48" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,150.54	260.03
		<i>For 36" Height Cabinet, Add</i>	301.61	
12 56 53 00-0420	EA	15" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,353.97	163.73
		<i>For 36" Height Cabinet, Add</i>	189.89	
12 56 53 00-0421	EA	18" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,394.67	168.75
		<i>For 36" Height Cabinet, Add</i>	195.59	
12 56 53 00-0422	EA	21" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,440.08	174.17
		<i>For 36" Height Cabinet, Add</i>	201.97	
12 56 53 00-0423	EA	24" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,514.25	183.13
		<i>For 36" Height Cabinet, Add</i>	212.37	
12 56 53 00-0424	EA	30" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,064.49	249.73
		<i>For 36" Height Cabinet, Add</i>	289.53	
12 56 53 00-0425	EA	36" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,227.16	269.40
		<i>For 36" Height Cabinet, Add</i>	312.35	
12 56 53 00-0426	EA	42" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,296.44	277.67
		<i>For 36" Height Cabinet, Add</i>	322.08	
12 56 53 00-0427	EA	48" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	2,444.81	295.72
		<i>For 36" Height Cabinet, Add</i>	342.88	
12 56 53 00-0428	EA	30" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,854.03	224.22
		<i>For 36" Height Cabinet, Add</i>	260.01	
12 56 53 00-0429	EA	36" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,049.81	247.82
		<i>For 36" Height Cabinet, Add</i>	287.52	
12 56 53 00-0430	EA	42" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,152.83	260.31
		<i>For 36" Height Cabinet, Add</i>	301.95	
12 56 53 00-0431	EA	48" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	2,301.44	278.49
		<i>For 36" Height Cabinet, Add</i>	322.75	
12 56 53 00-0432	EA	30" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,234.67	270.48
		<i>For 36" Height Cabinet, Add</i>	313.35	
12 56 53 00-0433	EA	36" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,375.69	287.44
		<i>For 36" Height Cabinet, Add</i>	333.15	
12 56 53 00-0434	EA	42" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,471.13	298.83
		<i>For 36" Height Cabinet, Add</i>	346.57	
12 56 53 00-0435	EA	48" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,605.00	315.11
		<i>For 36" Height Cabinet, Add</i>	365.36	

12 56 70 Healthcare Furniture (12 56)**12 56 70 00-0001 Changing Tables (12 56 70)****12 56 70 00-0002 Height Adjustable Changing Tables; Pressalit Care 1000 (12 56 70 00-0001)**

12 56 70 00-0003	EA	55" Length Height Adjustable Changing Table (Pressalit Care 1000, Model R8400)	8,450.79	283.21
12 56 70 00-0004	EA	75" Length Height Adjustable Changing Table (Pressalit Care 1000, Model R8401)	8,586.26	283.21
12 56 70 00-0005	EA	55" Length Height Adjustable Changing Table With Safety Rail (Pressalit Care 1000, Model R8402)	9,300.12	283.21
12 56 70 00-0006	EA	75" Length Height Adjustable Changing Table With Safety Rail (Pressalit Care 1000, Model R8403)	9,435.58	283.21

12 56 70 00-0007 Height Adjustable Changing Tables; Pressalit Care 2000 (12 56 70 00-0001)

12 56 70 00-0008	EA	75" Length Height Adjustable Changing Table (Pressalit Care 2000, Model R8468000-93)	9,680.64	283.21
12 56 70 00-0009	EA	75" Length Height Adjustable Changing Table With Safety Rail (Pressalit Care 2000, Model R8468000-93)	11,013.98	283.21

12 56 70 00-0010 Wall Mounted Changing Tables; Pressalit Care 3000 (12 56 70 00-0001)

12 56 70 00-0011	EA	55" Length Fixed Height Changing Table (Pressalit Care 3000, Model R8503021)	5,316.77	188.81
12 56 70 00-0012	EA	75" Length Fixed Height Changing Table (Pressalit Care 3000, Model R8508021)	5,628.80	188.81
12 56 70 00-0013	EA	55" Length Fixed Height Changing Table With Safety Rail (Pressalit Care 3000, Model R8523021)	6,388.31	188.81
12 56 70 00-0014	EA	75" Length Fixed Height Changing Table With Safety Rail (Pressalit Care 3000, Model R8528021)	6,701.86	188.81
12 56 70 00-0015	EA	55" Length Height Adjustable Changing Table (Pressalit Care 3000, Model R8516021)	12,012.46	283.21
12 56 70 00-0016	EA	75" Length Height Adjustable Changing Table (Pressalit Care 3000, Model R8520021)	12,237.73	283.21
12 56 70 00-0017	EA	55" Length Height Adjustable Changing Table With Safety Rail (Pressalit Care 3000, Model R8534021)	12,963.76	283.21
12 56 70 00-0018	EA	75" Length Height Adjustable Changing Table With Safety Rail (Pressalit Care 3000, Model R8539021)	13,187.51	283.21

12 56 70 00-0019 Miscellaneous Free-Standing Furniture (12 56 70)

12 56 70 00-0020	EA	Desk And AV Hub Mobile Digital Workspace (ErgoTron Teachwell 24-220-055)	978.75	11.55
12 56 70 00-0021	EA	Mobile CPU Dolly (Humanscale CPUDLYPLT)	171.98	

12 59 Systems Furniture (12 59)**12 59 13 Panel-Hung Component System Furniture (12 59)****12 59 13 00-0001 Panel Hung Furniture, Office Systems (12 59 13)**

12 59 13 00-0002	EA	Acoustic Panel, 43" High, 24" Wide, NRC .85	589.04	
12 59 13 00-0003	EA	Acoustic Panel, 43" High, 30" Wide, NRC .85	657.43	
12 59 13 00-0004	EA	Acoustic Panel, 43" High, 36" Wide, NRC .85	726.31	
12 59 13 00-0005	EA	Acoustic Panel, 43" High, 48" Wide, NRC .85	870.00	
12 59 13 00-0006	EA	Acoustic Panel, 64" High, 30" Wide, NRC .85	781.87	
12 59 13 00-0007	EA	Acoustic Panel, 64" High, 36" Wide, NRC .85	837.40	
12 59 13 00-0008	EA	Acoustic Panel, 64" High, 42" Wide, NRC .85	971.93	
12 59 13 00-0009	EA	Acoustic Panel, 64" High, 48" Wide, NRC .85	1,030.69	
12 59 13 00-0010	EA	Acoustic Panel, 64" High, 60" Wide, NRC .85	1,129.41	
12 59 13 00-0011	EA	Bookshelf, 36" Wide, 13-3/4" Depth, 8" High	272.94	
12 59 13 00-0012	EA	Bookshelf, 42" Wide, 13-3/4" Depth, 16" High	286.26	
12 59 13 00-0013	EA	Bookshelf, 48" Wide, 13-3/4" Depth, 8" High	294.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0014	EA		Cantilever Bracket, 20" Deep, 24" Deep	91.59	
12 59 13 00-0015	PR		Countertop Bracket, Pair	38.27	
12 59 13 00-0016	EA		Flat Bracket, 20" Deep, 24" Wide	47.27	
12 59 13 00-0017	PR		Worksurface Kit, Pair	38.27	
12 59 13 00-0018	EA		Connector Kit, Ell, 43" High, 90" Deep.....	165.04	
12 59 13 00-0019	EA		Connector Kit, Ell, 64" High, 90" Deep.....	96.64	
12 59 13 00-0020	EA		Connector Kit, Straight, 43" High	67.04	
12 59 13 00-0021	EA		Connector Kit, Straight, 64" High	69.40	
12 59 13 00-0022	EA		Support Column For Peninsula, 29-1/2" High	236.89	
12 59 13 00-0023	EA		Countertop, 15" Deep, 36" Wide.....	310.80	
12 59 13 00-0024	EA		Countertop, 15" Deep, 48" Wide.....	346.63	
12 59 13 00-0025	EA		Duplex Receptacle Circuit 1	33.85	
12 59 13 00-0026	EA		Duplex Receptacle Circuit 2	33.85	
12 59 13 00-0027	EA		Electric Power Harness, 36" Wide.....	220.83	
12 59 13 00-0028	EA		Electric Power Harness, 42" Wide	226.46	
12 59 13 00-0029	EA		Electric Power Harness, 60" Wide	232.07	
12 59 13 00-0030	EA		Panel End Cover, 43" High.....	67.04	
12 59 13 00-0031	EA		Panel End Cover, 64" High.....	67.04	
12 59 13 00-0032	EA		Finish End Cover, 2-way, Variable Height	101.45	
12 59 13 00-0033	EA		Overhead Cabinet With Door, 42" Wide	638.15	
12 59 13 00-0034	EA		Overhead Cabinet With Door, 60" Wide	969.17	
12 59 13 00-0035	EA		Pedestal Spacer, 22" Deep, 15" Wide.....	109.74	
12 59 13 00-0036	EA		Pedestal Spacer, 28" Deep, 15" Wide	132.44	
12 59 13 00-0037	EA		Pedestal Box, Box, File, 22" Deep, 26" High	771.76	
12 59 13 00-0038	EA		Pedestal Box, Box, File, 28" Deep, 26" High	804.80	
12 59 13 00-0039	EA		Pedestal File, File, 22" Deep, 26" High.....	719.44	
12 59 13 00-0040	EA		Pedestal Lateral File, 2 Drawer, 30" Wide	1,014.64	
12 59 13 00-0041	EA		Base In Feed Power Cable.....	367.16	
12 59 13 00-0042	EA		Task Light, Recessed, 30" - 36" Wide	299.34	
12 59 13 00-0043	EA		Task Light, Recessed, 42" - 48" Wide	323.66	
12 59 13 00-0044	EA		Task Light, Recessed, 60" Wide.....	350.31	
12 59 13 00-0045	EA		Worksurface, Radius Edge, 24" Deep, 36" Wide	322.28	
12 59 13 00-0046	EA		Worksurface, Radius Edge, 24" Deep, 42" Wide	395.74	
12 59 13 00-0047	EA		Worksurface, Radius Edge, 24" Deep, 48" Wide.....	421.93	
12 59 13 00-0048	EA		Worksurface, Radius Edge, 24" Deep, 60" Wide	529.82	
12 59 13 00-0049	EA		Worksurface, Radius Edge, 24" Deep, 72" Wide	598.67	
12 59 13 00-0050	EA		Worksurface, Radius Edge, 30" Deep, 42" Wide	507.31	
12 59 13 00-0051	EA		Worksurface, Radius Edge, 30" Deep, 60" Wide	592.25	
12 59 13 00-0052	EA		Worksurface, Radius Edge, 30" Deep, 72" Wide	673.97	
12 59 13 00-0053	EA		Worksurface, Radius Edge, Corner 24" Deep, 36" Wide	775.43	
12 59 13 00-0054	EA		Worksurface, Radius Edge, Corner 24" Deep, 42" Wide	881.02	
12 59 13 00-0055	EA		Worksurface, Peninsula, 36" Wide, 66" Long	1,014.64	
12 59 13 00-0056 Open Office Systems Furniture Components (12 59 13)					
Note: Excludes electrical wire and wiring devices.					
12 59 13 00-0057	EA		34H 24W Fabric Covered Panel - Component Systems Furniture.....	309.42	25.41
			For Tackable Acoustical Barrier Panel, Add	56.57	
			For Acoustical Panel, Add	61.49	
			For Enameled Surface, Deduct	-24.60	
12 59 13 00-0058	EA		34H 30W Fabric Covered Panel - Component Systems Furniture.....	343.89	28.27
			For Tackable Acoustical Barrier Panel, Add	62.87	
			For Acoustical Panel, Add	68.34	
			For Enameled Surface, Deduct	-27.34	
12 59 13 00-0059	EA		34H 36W Fabric Covered Panel - Component Systems Furniture.....	367.71	30.11
			For Tackable Acoustical Barrier Panel, Add	67.22	
			For Acoustical Panel, Add	73.07	
			For Enameled Surface, Deduct	-29.23	
12 59 13 00-0060	EA		34H 48W Fabric Covered Panel - Component Systems Furniture.....	412.02	33.82
			For Tackable Acoustical Barrier Panel, Add	75.33	
			For Acoustical Panel, Add	81.88	
			For Enameled Surface, Deduct	-32.75	
12 59 13 00-0061	EA		42H 24W Fabric Covered Panel - Component Systems Furniture.....	314.34	25.78
			For Tackable Acoustical Barrier Panel, Add	57.47	
			For Acoustical Panel, Add	62.47	
			For Enameled Surface, Deduct	-24.99	
12 59 13 00-0062	EA		42H 30W Fabric Covered Panel - Component Systems Furniture.....	355.36	29.10
			For Tackable Acoustical Barrier Panel, Add	64.97	
			For Acoustical Panel, Add	70.62	
			For Enameled Surface, Deduct	-28.25	
12 59 13 00-0063	EA		42H 36W Fabric Covered Panel - Component Systems Furniture.....	398.05	32.70
			For Tackable Acoustical Barrier Panel, Add	72.77	
			For Acoustical Panel, Add	79.10	
			For Enameled Surface, Deduct	-31.64	
12 59 13 00-0064	EA		42H 48W Fabric Covered Panel - Component Systems Furniture.....	467.84	38.34
			For Tackable Acoustical Barrier Panel, Add	85.53	
			For Acoustical Panel, Add	92.97	
			For Enameled Surface, Deduct	-37.19	
12 59 13 00-0065	EA		62H 12W Fabric Covered Panel - Component Systems Furniture.....	302.85	24.85
			For Tackable Acoustical Barrier Panel, Add	55.37	
			For Acoustical Panel, Add	60.18	
			For Enameled Surface, Deduct	-24.07	
12 59 13 00-0066	EA		62H 24W Fabric Covered Panel - Component Systems Furniture.....	372.63	30.58
			For Tackable Acoustical Barrier Panel, Add	68.13	
			For Acoustical Panel, Add	74.05	
			For Enameled Surface, Deduct	-29.62	

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 59 13 00-0067	EA	62H 36W Fabric Covered Panel - Component Systems Furniture.....	466.21	38.25
		<i>For Tackable Acoustical Barrier Panel, Add</i>	85.23	
		<i>For Acoustical Panel, Add</i>	92.64	
		<i>For Enameled Surface, Deduct</i>	-37.06	
12 59 13 00-0068	EA	62H 48W Fabric Covered Panel - Component Systems Furniture.....	558.09	45.73
		<i>For Tackable Acoustical Barrier Panel, Add</i>	102.04	
		<i>For Acoustical Panel, Add</i>	110.91	
		<i>For Enameled Surface, Deduct</i>	-44.36	
12 59 13 00-0069	EA	34" Draw Rod Panel Connector Hardware	16.89	1.38
12 59 13 00-0070	EA	42" Draw Rod Panel Connector Hardware	16.89	1.38
12 59 13 00-0071	EA	62" Draw Rod Panel Connector Hardware	18.02	1.47
12 59 13 00-0072	EA	34" Two-Way 90 Degree Panel Connector Hardware.....	77.73	6.37
12 59 13 00-0073	EA	42" Two-Way 90 Degree Panel Connector Hardware.....	90.12	7.40
12 59 13 00-0074	EA	62" Two-Way 90 Degree Panel Connector Hardware.....	103.64	8.50
12 59 13 00-0075	EA	34" Three-Way 90 Degree Panel Connector Hardware	120.54	9.88
12 59 13 00-0076	EA	42" Three-Way 90 Degree Panel Connector Hardware	139.69	11.46
12 59 13 00-0077	EA	62" Three-Way 90 Degree Panel Connector Hardware	162.22	13.31
12 59 13 00-0078	EA	34" Four-Way 90 Degree Panel Connector Hardware	152.09	12.47
12 59 13 00-0079	EA	42" Four-Way 90 Degree Panel Connector Hardware	178.00	14.60
12 59 13 00-0080	EA	62" Four-Way 90 Degree Panel Connector Hardware	214.04	17.55
12 59 13 00-0081	EA	34" Panel End Cap Hardware	25.92	2.13
12 59 13 00-0082	EA	42" Panel End Cap Hardware	29.29	2.40
12 59 13 00-0083	EA	62" Panel End Cap Hardware	31.54	2.59
12 59 13 00-0084	EA	28" Variable Height Panel End Filler	28.58	2.40
		Note: Field cut to appropriate length.		
12 59 13 00-0085	EA	Two-Way Trim Cover For Cable Management Raceway.....	14.71	1.20
12 59 13 00-0086	EA	Three-Way Trim Cover For Cable Management Raceway	15.51	1.29
12 59 13 00-0087	EA	Four-Way Trim Cover For Cable Management Raceway	17.96	1.47
12 59 13 00-0088	EA	Finished End Trim Cover For Cable Management Raceway	14.71	1.20
12 59 13 00-0089	EA	12" Cable Management Raceway Assembly	30.22	2.50
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0090	EA	24" Cable Management Raceway Assembly	34.30	2.77
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0091	EA	30" Cable Management Raceway Assembly	35.11	2.86
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0092	EA	36" Cable Management Raceway Assembly	39.20	3.23
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0093	EA	48" Cable Management Raceway Assembly	44.09	3.60
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0094	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	237.20	19.40
12 59 13 00-0095	EA	30" x 36" Radiused Edge Rectangular Hanging Work Surface	292.18	23.93
12 59 13 00-0096	EA	24" x 48" Radiused Edge Rectangular Hanging Work Surface	275.77	22.64
12 59 13 00-0097	EA	30" x 48" Radiused Edge Rectangular Hanging Work Surface	344.74	28.27
12 59 13 00-0098	EA	24" x 60" Radiused Edge Rectangular Hanging Work Surface	347.99	28.55
12 59 13 00-0099	EA	30" x 60" Radiused Edge Rectangular Hanging Work Surface	438.30	36.03
12 59 13 00-0100	EA	24" x 72" Radiused Edge Rectangular Hanging Work Surface	422.68	34.65
12 59 13 00-0101	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface	530.99	43.52
12 59 13 00-0102	EA	30" x 60" Radiused Edge Table	943.29	77.41
12 59 13 00-0103	EA	30" x 72" Radiused Edge Table	1,030.81	84.63
12 59 13 00-0104	EA	14" x 24" Radiused Edge Transaction Surface	113.26	9.33
12 59 13 00-0105	EA	14" x 36" Radiused Edge Transaction Surface	128.85	10.54
12 59 13 00-0106	EA	14" x 48" Radiused Edge Transaction Surface	144.46	11.82
12 59 13 00-0107	EA	14" x 60" Radiused Edge Transaction Surface	179.74	14.78
12 59 13 00-0108	EA	14" x 72" Radiused Edge Transaction Surface	215.84	17.74
12 59 13 00-0109	EA	14" Right Angle Corner Transaction Surface	377.56	30.95
12 59 13 00-0110	EA	Transaction Surface Support	29.91	2.45
12 59 13 00-0111	EA	Plastic Pencil Drawer	32.74	2.40
12 59 13 00-0112	EA	15-1/2" x 24" Hanging Shelf.....	110.27	9.05
12 59 13 00-0113	EA	15-1/2" x 36" Hanging Shelf.....	120.05	9.79
12 59 13 00-0114	EA	15-1/2" x 48" Hanging Shelf.....	128.23	10.54
12 59 13 00-0115	EA	24" Flipper Door - Top And Front Closure	190.29	15.61
		Note: Used with hanging shelf.		
12 59 13 00-0116	EA	36" Flipper Door - Top And Front Closure	222.16	18.29
		Note: Used with hanging shelf.		
12 59 13 00-0117	EA	48" Flipper Door - Top And Front Closure	254.83	20.88
		Note: Used with hanging shelf.		
12 59 13 00-0118	EA	24" Suspended Lateral File, Lockable	656.24	53.53
12 59 13 00-0119	EA	30" Suspended Lateral File, Lockable	693.12	56.54
12 59 13 00-0120	EA	36" Suspended Lateral File, Lockable	731.34	59.66
12 59 13 00-0121	EA	48" Suspended Lateral File, Lockable	799.87	65.25
12 59 13 00-0122	EA	Fully Adjustable Vinyl Keyboard Tray	297.32	24.39
12 59 13 00-0123	EA	Palm Rest For Vinyl Keyboard Tray.....	46.54	3.88
12 59 13 00-0124	EA	24" x 36" Radiused Edge Corner Work Surface	375.62	30.85
12 59 13 00-0125	EA	File Drawer Organizer.....	120.89	9.88
12 59 13 00-0126	EA	Suspended Lateral File Converter Bracket	26.14	2.13
12 59 13 00-0127	EA	Utility Task Light	130.68	10.72

12 59 13 00-0128 Disassemble And Store Systems Furniture Components (12 59 13)

12 59 13 00-0129	EA	Disassemble And Store 34H 24W Fabric Covered Panel.....	31.75	
12 59 13 00-0130	EA	Disassemble And Store 34H 30W Fabric Covered Panel.....	35.28	
12 59 13 00-0131	EA	Disassemble And Store 34H 36W Fabric Covered Panel.....	37.73	
12 59 13 00-0132	EA	Disassemble And Store 34H 48W Fabric Covered Panel.....	42.27	
12 59 13 00-0133	EA	Disassemble And Store 42H 24W Fabric Covered Panel.....	32.25	
12 59 13 00-0134	EA	Disassemble And Store 42H 30W Fabric Covered Panel.....	36.46	
12 59 13 00-0135	EA	Disassemble And Store 42H 36W Fabric Covered Panel.....	40.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0136	EA		Disassemble And Store 42H 48W Fabric Covered Panel.....	48.00	
12 59 13 00-0137	EA		Disassemble And Store 62H 12W Fabric Covered Panel.....	31.08	
12 59 13 00-0138	EA		Disassemble And Store 62H 24W Fabric Covered Panel.....	38.23	
12 59 13 00-0139	EA		Disassemble And Store 62H 36W Fabric Covered Panel.....	47.83	
12 59 13 00-0140	EA		Disassemble And Store 62H 48W Fabric Covered Panel.....	57.27	
12 59 13 00-0141	EA		Disassemble And Store 34" Draw Rod Panel Connector Hardware	1.74	
12 59 13 00-0142	EA		Disassemble And Store 42" Draw Rod Panel Connector Hardware	1.74	
12 59 13 00-0143	EA		Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.85	
12 59 13 00-0144	EA		Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	7.98	
12 59 13 00-0145	EA		Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	9.25	
12 59 13 00-0146	EA		Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	10.64	
12 59 13 00-0147	EA		Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware.....	12.37	
12 59 13 00-0148	EA		Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware.....	14.33	
12 59 13 00-0149	EA		Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware.....	16.65	
12 59 13 00-0150	EA		Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware.....	15.60	
12 59 13 00-0151	EA		Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware.....	18.26	
12 59 13 00-0152	EA		Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware.....	21.96	
12 59 13 00-0153	EA		Disassemble And Store 34" Panel End Cap Hardware.....	2.66	
12 59 13 00-0154	EA		Disassemble And Store 42" Panel End Cap Hardware.....	3.01	
12 59 13 00-0155	EA		Disassemble And Store 62" Panel End Cap Hardware.....	3.24	
12 59 13 00-0156	EA		Disassemble And Store Variable Height Panel End Filler.....	2.93	
12 59 13 00-0157	EA		Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.51	
12 59 13 00-0158	EA		Disassemble And Store Three-Way Trim Cover For Cable Management Raceway.....	1.60	
12 59 13 00-0159	EA		Disassemble And Store Four-Way Trim Cover For Cable Management Raceway.....	1.85	
12 59 13 00-0160	EA		Disassemble And Store Finished End Trim Cover For Cable Management Raceway.....	1.51	
12 59 13 00-0161	EA		Disassemble And Store 12" Cable Management Raceway Assembly.....	3.10	
12 59 13 00-0162	EA		Disassemble And Store 24" Cable Management Raceway Assembly.....	3.52	
12 59 13 00-0163	EA		Disassemble And Store 30" Cable Management Raceway Assembly.....	3.60	
12 59 13 00-0164	EA		Disassemble And Store 36" Cable Management Raceway Assembly.....	4.02	
12 59 13 00-0165	EA		Disassemble And Store 48" Cable Management Raceway Assembly.....	4.53	
12 59 13 00-0166	EA		Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	24.33	
12 59 13 00-0167	EA		Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	29.98	
12 59 13 00-0168	EA		Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	28.30	
12 59 13 00-0169	EA		Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	35.37	
12 59 13 00-0170	EA		Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	35.71	
12 59 13 00-0171	EA		Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	44.97	
12 59 13 00-0172	EA		Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	43.37	
12 59 13 00-0173	EA		Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	54.49	
12 59 13 00-0174	EA		Disassemble And Store 30" x 60" Radiused Edge Table.....	84.15	
12 59 13 00-0175	EA		Disassemble And Store 30" x 72" Radiused Edge Table.....	105.74	
12 59 13 00-0176	EA		Disassemble And Store 14" x 24" Radiused Edge Transaction Surface.....	11.62	
12 59 13 00-0177	EA		Disassemble And Store 14" x 36" Radiused Edge Transaction Surface.....	13.22	
12 59 13 00-0178	EA		Disassemble And Store 14" x 48" Radiused Edge Transaction Surface.....	14.82	
12 59 13 00-0179	EA		Disassemble And Store 14" x 60" Radiused Edge Transaction Surface.....	18.44	
12 59 13 00-0180	EA		Disassemble And Store 14" x 72" Radiused Edge Transaction Surface.....	22.15	
12 59 13 00-0181	EA		Disassemble And Store 14" Right Angle Corner Transaction Surface.....	38.74	
12 59 13 00-0182	EA		Disassemble And Store Transaction Surface Support.....	3.06	
12 59 13 00-0183	EA		Disassemble And Store Plastic Pencil Drawer.....	3.02	
12 59 13 00-0184	EA		Disassemble And Store 15-1/2" x 24" Hanging Shelf	11.32	
12 59 13 00-0185	EA		Disassemble And Store 15-1/2" x 36" Hanging Shelf	12.32	
12 59 13 00-0186	EA		Disassemble And Store 15-1/2" x 48" Hanging Shelf	13.15	
12 59 13 00-0187	EA		Disassemble And Store 24" Flipper Door And Shelf.....	19.53	
12 59 13 00-0188	EA		Disassemble And Store 36" Flipper Door And Shelf.....	22.80	
12 59 13 00-0189	EA		Disassemble And Store 48" Flipper Door And Shelf.....	26.15	
12 59 13 00-0190	EA		Disassemble And Store 24" Suspended Lateral File	66.92	
12 59 13 00-0191	EA		Disassemble And Store 30" Suspended Lateral File	70.67	
12 59 13 00-0192	EA		Disassemble And Store 36" Suspended Lateral File	74.57	
12 59 13 00-0193	EA		Disassemble And Store 48" Suspended Lateral File	81.57	
12 59 13 00-0194	EA		Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	30.50	
12 59 13 00-0195	EA		Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	38.54	
12 59 13 00-0196	EA		Disassemble And Store Utility Task Light.....	13.41	

12 59 13 00-0197

Reconfigure Systems Furniture Components (12 59 13)

12 59 13 00-0198	EA		Reconfigure 34H 24W Fabric Covered Panel.....	33.86	
12 59 13 00-0199	EA		Reconfigure 34H 30W Fabric Covered Panel.....	37.62	
12 59 13 00-0200	EA		Reconfigure 34H 36W Fabric Covered Panel.....	40.23	
12 59 13 00-0201	EA		Reconfigure 34H 48W Fabric Covered Panel.....	45.07	
12 59 13 00-0202	EA		Reconfigure 42H 24W Fabric Covered Panel.....	34.39	
12 59 13 00-0203	EA		Reconfigure 42H 30W Fabric Covered Panel.....	38.87	
12 59 13 00-0204	EA		Reconfigure 42H 36W Fabric Covered Panel.....	43.55	
12 59 13 00-0205	EA		Reconfigure 42H 48W Fabric Covered Panel.....	51.17	
12 59 13 00-0206	EA		Reconfigure 62H 12W Fabric Covered Panel.....	33.13	
12 59 13 00-0207	EA		Reconfigure 62H 24W Fabric Covered Panel.....	40.76	
12 59 13 00-0208	EA		Reconfigure 62H 36W Fabric Covered Panel.....	50.99	
12 59 13 00-0209	EA		Reconfigure 62H 48W Fabric Covered Panel.....	61.05	
12 59 13 00-0210	EA		Reconfigure 34" Draw Rod Panel Connector Hardware	1.85	
12 59 13 00-0211	EA		Reconfigure 42" Draw Rod Panel Connector Hardware	1.85	
12 59 13 00-0212	EA		Reconfigure 62" Draw Rod Panel Connector Hardware	1.98	
12 59 13 00-0213	EA		Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	8.50	
12 59 13 00-0214	EA		Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	9.86	
12 59 13 00-0215	EA		Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	11.34	
12 59 13 00-0216	EA		Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware.....	13.18	
12 59 13 00-0217	EA		Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware.....	15.28	
12 59 13 00-0218	EA		Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware.....	17.75	

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 59 13 00-0219	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	16.64
12 59 13 00-0220	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	19.48
12 59 13 00-0221	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	23.41
12 59 13 00-0222	EA	Reconfigure 34" Panel End Cap Hardware	2.83
12 59 13 00-0223	EA	Reconfigure 42" Panel End Cap Hardware	3.20
12 59 13 00-0224	EA	Reconfigure 62" Panel End Cap Hardware	3.45
12 59 13 00-0225	EA	Reconfigure Variable Height Panel End Filler	3.13
12 59 13 00-0226	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.61
12 59 13 00-0227	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.70
12 59 13 00-0228	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	1.97
12 59 13 00-0229	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway	1.61
12 59 13 00-0230	EA	Reconfigure 12" Cable Management Raceway Assembly	3.31
12 59 13 00-0231	EA	Reconfigure 24" Cable Management Raceway Assembly	3.75
12 59 13 00-0232	EA	Reconfigure 30" Cable Management Raceway Assembly	3.84
12 59 13 00-0233	EA	Reconfigure 36" Cable Management Raceway Assembly	4.28
12 59 13 00-0234	EA	Reconfigure 48" Cable Management Raceway Assembly	4.83
12 59 13 00-0235	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface	25.95
12 59 13 00-0236	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface	31.96
12 59 13 00-0237	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface	30.16
12 59 13 00-0238	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface	37.71
12 59 13 00-0239	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface	38.07
12 59 13 00-0240	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface	47.94
12 59 13 00-0241	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface	46.24
12 59 13 00-0242	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface	58.09
12 59 13 00-0243	EA	Reconfigure 30" x 60" Radiused Edge Table	103.20
12 59 13 00-0244	EA	Reconfigure 30" x 72" Radiused Edge Table	112.77
12 59 13 00-0245	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface	12.39
12 59 13 00-0246	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface	14.10
12 59 13 00-0247	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface	15.80
12 59 13 00-0248	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface	19.66
12 59 13 00-0249	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface	23.61
12 59 13 00-0250	EA	Reconfigure 14" Right Angle Corner Transaction Surface	41.30
12 59 13 00-0251	EA	Reconfigure Transaction Surface Support	3.26
12 59 13 00-0252	EA	Reconfigure 15-1/2" x 24" Hanging Shelf	12.06
12 59 13 00-0253	EA	Reconfigure 15-1/2" x 36" Hanging Shelf	13.13
12 59 13 00-0254	EA	Reconfigure 15-1/2" x 48" Hanging Shelf	14.03
12 59 13 00-0255	EA	Reconfigure 24" Flipper Door And Shelf	20.82
12 59 13 00-0256	EA	Reconfigure 36" Flipper Door And Shelf	24.30
12 59 13 00-0257	EA	Reconfigure 48" Flipper Door And Shelf	27.87
12 59 13 00-0258	EA	Reconfigure 24" Suspended Lateral File	71.38
12 59 13 00-0259	EA	Reconfigure 30" Suspended Lateral File	75.40
12 59 13 00-0260	EA	Reconfigure 36" Suspended Lateral File	79.55
12 59 13 00-0261	EA	Reconfigure 48" Suspended Lateral File	87.02
12 59 13 00-0262	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	41.09

12 59 16 Free-Standing Component System Furniture (12 59)**12 59 16 00-0001 Furniture, Office Systems (12 59 16)**

12 59 16 00-0002	EA	Desk Top, 24" Deep x 48" Wide	821.82
12 59 16 00-0003	EA	Desk Top, 30" Deep x 48" Wide	1,037.62
12 59 16 00-0004	EA	Desk Top, 30" Deep x 60" Wide	1,161.54
12 59 16 00-0005	EA	Desk Top, 30" Deep x 72" Wide	1,244.18
12 59 16 00-0006	EA	File, Mobile, 2-Drawer, 22" Deep	1,092.72
12 59 16 00-0007	EA	File, Suspended, 2-Drawer, 22" Deep	916.84
12 59 16 00-0008	EA	File, Undercounter, 2-Drawer, 22" Deep	1,046.75
12 59 16 00-0009	EA	File, Undercounter, 2 Box, 1 File, 22" Deep	1,106.45
12 59 16 00-0010	EA	Keyboard Platform With Articulating Arm	610.66
12 59 16 00-0011	EA	End Support Leg	422.39
12 59 16 00-0012	EA	Modesty Panel, 48" Wide	186.39
12 59 16 00-0013	EA	Modesty Panel, Return	202.93
12 59 16 00-0014	EA	Pencil/Utility Drawer	326.90
12 59 16 00-0015	EA	Privacy Screen, 48" Wide x 17-20" High	542.66
12 59 16 00-0016	EA	Privacy Screen, 72" Wide x 17-20" High	755.21
12 59 16 00-0017	EA	Printer Stand, 30" Deep x 36" Wide	1,145.47
12 59 16 00-0018	EA	Printer Stand, Universal	1,533.50
12 59 16 00-0019	EA	Paper Basket	135.66
12 59 16 00-0020	EA	Storage Unit With Doors, 60" Wide	1,792.78
12 59 16 00-0021	EA	Storage Unit With Doors, 72" Wide	2,139.43
12 59 16 00-0022	EA	Table, Peninsula, 30" x 72"	1,200.58
12 59 16 00-0023	EA	Return Table, 24" x 48"	897.07
12 59 16 00-0024	EA	Round Conference Return, 42" Diameter	1,014.64
12 59 16 00-0025	EA	Work Surface, 24" Deep x 48" Wide	625.78
12 59 16 00-0026	EA	Work Surface, 30" Deep x 30" Wide	592.25
12 59 16 00-0027	EA	Work Surface, 30" Deep x 60" Wide	825.46
12 59 16 00-0028	EA	Work Surface, 30" Deep x 72" Wide	864.93
12 59 16 00-0029	EA	Corner Bridge, 30" x 42"	922.35
12 59 16 00-0030	EA	Peninsula, 30" x 60"	1,296.97
12 59 16 00-0031	EA	Connector Plate	33.87

12 59 16 00-0032 Herman Miller Systems Furniture (12 59 16)**12 59 16 00-0033 Herman Miller Action Office Series 2 Systems Furniture (12 59 16 00-0032)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0034	EA		32H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	406.60	25.41
			For Owner Furnished Material, Deduct	-343.13	
			For Category 2 Fabric Both Sides, Add	10.96	
			For Non-powered Panel, Deduct	-109.58	
12 59 16 00-0035	EA		32H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	431.66	26.61
			For Owner Furnished Material, Deduct	-365.05	
			For Category 2 Fabric Both Sides, Add	10.96	
			For Non-powered Panel, Deduct	-109.58	
12 59 16 00-0036	EA		32H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	467.18	28.00
			For Owner Furnished Material, Deduct	-397.24	
			For Category 2 Fabric Both Sides, Add	10.96	
			For Non-powered Panel, Deduct	-109.58	
12 59 16 00-0037	EA		32H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	502.20	29.38
			For Owner Furnished Material, Deduct	-428.75	
			For Category 2 Fabric Both Sides, Add	10.96	
			For Non-powered Panel, Deduct	-109.58	
12 59 16 00-0038	EA		39H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	418.65	26.61
			For Owner Furnished Material, Deduct	-352.04	
			For Category 2 Fabric Both Sides, Add	15.07	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0039	EA		39H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	445.27	28.00
			For Owner Furnished Material, Deduct	-375.33	
			For Category 2 Fabric Both Sides, Add	15.07	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0040	EA		39H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	481.65	29.38
			For Owner Furnished Material, Deduct	-408.20	
			For Category 2 Fabric Both Sides, Add	15.07	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0041	EA		39H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	518.90	30.85
			For Owner Furnished Material, Deduct	-441.76	
			For Category 2 Fabric Both Sides, Add	15.07	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0042	EA		47H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	436.36	28.00
			For Owner Furnished Material, Deduct	-366.42	
			For Category 2 Fabric Both Sides, Add	15.07	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0043	EA		47H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	470.01	29.38
			For Owner Furnished Material, Deduct	-396.56	
			For Category 2 Fabric Both Sides, Add	15.07	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0044	EA		47H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	515.48	30.85
			For Owner Furnished Material, Deduct	-438.34	
			For Category 2 Fabric Both Sides, Add	15.07	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0045	EA		47H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	565.25	32.43
			For Owner Furnished Material, Deduct	-484.22	
			For Category 2 Fabric Both Sides, Add	15.07	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0046	EA		62H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	427.15	25.41
			For Owner Furnished Material, Deduct	-363.68	
			For Category 2 Fabric Both Sides, Add	17.81	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0047	EA		62H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	481.65	29.38
			For Owner Furnished Material, Deduct	-408.20	
			For Category 2 Fabric Both Sides, Add	17.81	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0048	EA		62H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	582.38	32.43
			For Owner Furnished Material, Deduct	-501.35	
			For Category 2 Fabric Both Sides, Add	17.81	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0049	EA		62H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	640.54	34.00
			For Owner Furnished Material, Deduct	-555.45	
			For Category 2 Fabric Both Sides, Add	17.81	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0050	EA		67H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	436.46	26.61
			For Owner Furnished Material, Deduct	-369.85	
			For Category 2 Fabric Both Sides, Add	17.81	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0051	EA		67H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	491.50	30.85
			For Owner Furnished Material, Deduct	-414.36	
			For Category 2 Fabric Both Sides, Add	17.81	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	
12 59 16 00-0052	EA		67H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	590.55	34.00
			For Owner Furnished Material, Deduct	-505.46	
			For Category 2 Fabric Both Sides, Add	17.81	
			For Non-powered Panel, Deduct	-109.58	
			For Tackable Acoustical-Barrier Panel, Add	68.83	

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

12 59 16 00-0053	EA	67H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2.....	648.89	35.75
		<i>For Owner Furnished Material, Deduct</i>	-559.56	
		<i>For Category 2 Fabric Both Sides, Add</i>	17.81	
		<i>For Non-powered Panel, Deduct</i>	-109.58	
		<i>For Tackable Acoustical-Barrier Panel, Add</i>	68.83	
12 59 16 00-0054	EA	85H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2.....	476.77	28.00
		<i>For Owner Furnished Material, Deduct</i>	-406.83	
		<i>For Category 2 Fabric Both Sides, Add</i>	17.81	
		<i>For Non-powered Panel, Deduct</i>	-109.58	
		<i>For Tackable Acoustical-Barrier Panel, Add</i>	68.83	
12 59 16 00-0055	EA	85H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2.....	551.56	32.43
		<i>For Owner Furnished Material, Deduct</i>	-470.53	
		<i>For Category 2 Fabric Both Sides, Add</i>	17.81	
		<i>For Non-powered Panel, Deduct</i>	-109.58	
		<i>For Tackable Acoustical-Barrier Panel, Add</i>	68.83	
12 59 16 00-0056	EA	85H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2.....	661.91	35.75
		<i>For Owner Furnished Material, Deduct</i>	-572.58	
		<i>For Category 2 Fabric Both Sides, Add</i>	17.81	
		<i>For Non-powered Panel, Deduct</i>	-109.58	
		<i>For Tackable Acoustical-Barrier Panel, Add</i>	68.83	
12 59 16 00-0057	EA	85H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2.....	725.93	37.51
		<i>For Owner Furnished Material, Deduct</i>	-632.16	
		<i>For Category 2 Fabric Both Sides, Add</i>	17.81	
		<i>For Non-powered Panel, Deduct</i>	-109.58	
		<i>For Tackable Acoustical-Barrier Panel, Add</i>	68.83	
12 59 16 00-0058	EA	32" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	80.08	6.28
		<i>For Owner Furnished Material, Deduct</i>	-64.38	
12 59 16 00-0059	EA	39" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	83.53	6.93
		<i>For Owner Furnished Material, Deduct</i>	-66.44	
12 59 16 00-0060	EA	47" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	92.44	7.40
		<i>For Owner Furnished Material, Deduct</i>	-73.97	
12 59 16 00-0061	EA	62" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	104.81	8.50
		<i>For Owner Furnished Material, Deduct</i>	-83.56	
12 59 16 00-0062	EA	67" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	107.57	9.05
		<i>For Owner Furnished Material, Deduct</i>	-84.93	
12 59 16 00-0063	EA	85" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	120.59	9.61
		<i>For Owner Furnished Material, Deduct</i>	-96.57	
12 59 16 00-0064	EA	32" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	141.15	9.88
		<i>For Owner Furnished Material, Deduct</i>	-116.43	
12 59 16 00-0065	EA	39" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	147.93	10.72
		<i>For Owner Furnished Material, Deduct</i>	-121.23	
12 59 16 00-0066	EA	47" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	158.09	11.46
		<i>For Owner Furnished Material, Deduct</i>	-129.45	
12 59 16 00-0067	EA	62" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	182.57	13.31
		<i>For Owner Furnished Material, Deduct</i>	-149.31	
12 59 16 00-0068	EA	67" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	186.80	14.41
		<i>For Owner Furnished Material, Deduct</i>	-150.68	
12 59 16 00-0069	EA	85" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	211.28	16.26
		<i>For Owner Furnished Material, Deduct</i>	-170.54	
12 59 16 00-0070	EA	32" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	177.11	12.47
		<i>For Owner Furnished Material, Deduct</i>	-145.88	
12 59 16 00-0071	EA	39" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	185.27	13.58
		<i>For Owner Furnished Material, Deduct</i>	-151.36	
12 59 16 00-0072	EA	47" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	198.81	14.60
		<i>For Owner Furnished Material, Deduct</i>	-162.32	
12 59 16 00-0073	EA	62" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	237.02	17.55
		<i>For Owner Furnished Material, Deduct</i>	-193.14	
12 59 16 00-0074	EA	67" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	241.07	18.66
		<i>For Owner Furnished Material, Deduct</i>	-194.51	
12 59 16 00-0075	EA	85" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	271.06	21.61
		<i>For Owner Furnished Material, Deduct</i>	-217.11	
12 59 16 00-0076	EA	32" Finished End, Hard Surface, Herman Miller AO Series 2	33.44	2.13
		<i>For Owner Furnished Material, Deduct</i>	-28.08	
12 59 16 00-0077	EA	39" Finished End, Hard Surface, Herman Miller AO Series 2	35.18	2.31
		<i>For Owner Furnished Material, Deduct</i>	-29.45	
12 59 16 00-0078	EA	47" Finished End, Hard Surface, Herman Miller AO Series 2	37.52	2.40
		<i>For Owner Furnished Material, Deduct</i>	-31.51	
12 59 16 00-0079	EA	62" Finished End, Hard Surface, Herman Miller AO Series 2	39.35	2.59
		<i>For Owner Furnished Material, Deduct</i>	-32.88	
12 59 16 00-0080	EA	67" Finished End, Hard Surface, Herman Miller AO Series 2	39.71	2.77
		<i>For Owner Furnished Material, Deduct</i>	-32.88	
12 59 16 00-0081	EA	85" Finished End, Hard Surface, Herman Miller AO Series 2	42.90	2.96
		<i>For Owner Furnished Material, Deduct</i>	-35.61	
12 59 16 00-0082	EA	Change Of Height Draw Rod, Herman Miller AO Series 2	19.56	2.40
		<i>For Owner Furnished Material, Deduct</i>	-13.70	
12 59 16 00-0083	EA	Cable/Energy Barrier (Connector), Herman Miller AO Series 2	47.54	1.20
		<i>For Owner Furnished Material, Deduct</i>	-44.52	

12 59 16 00-0084 Accessories For Herman Miller Action Office Series Systems Furniture (12 59 16 00-0032)

12 59 16 00-0085	EA	27" Draw Rod, Herman Miller Action Office	15.47	1.25
		<i>For Owner Furnished Material, Deduct</i>	-12.33	
12 59 16 00-0086	EA	34" Draw Rod, Herman Miller Action Office	16.33	1.33
		<i>For Owner Furnished Material, Deduct</i>	-13.01	
12 59 16 00-0087	EA	42" Draw Rod, Herman Miller Action Office	16.52	1.40
		<i>For Owner Furnished Material, Deduct</i>	-13.01	
12 59 16 00-0088	EA	48" Draw Rod, Herman Miller Action Office	17.39	1.47
		<i>For Owner Furnished Material, Deduct</i>	-13.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0089	EA		57" Draw Rod, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	17.58 -13.70	1.56
12 59 16 00-0090	EA		62" Draw Rod, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	17.76 -13.70	1.63
12 59 16 00-0091	EA		80" Draw Rod, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	19.32 -15.07	1.70
12 59 16 00-0092	EA		24" x 36" Hanging Work Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	192.49 -143.83	19.40
12 59 16 00-0093	EA		24" x 48" Hanging Work Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	259.98 -203.42	22.64
12 59 16 00-0094	EA		24" x 60" Hanging Work Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	332.32 -260.95	28.55
12 59 16 00-0095	EA		24" x 72" Hanging Work Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	406.55 -319.85	34.65
12 59 16 00-0096	EA		30" x 36" Hanging Work Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	277.03 -217.11	23.93
12 59 16 00-0097	EA		30" x 48" Hanging Work Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	328.93 -258.21	28.27
12 59 16 00-0098	EA		30" x 60" Hanging Work Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	422.09 -332.18	36.03
12 59 16 00-0099	EA		30" x 72" Hanging Work Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	515.04 -406.15	43.52
12 59 16 00-0100	EA		24" x 36" Corner Work Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	358.53 -281.49	30.85
12 59 16 00-0101	EA		30" x 60" Round End Peninsula, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	653.12 -484.91	67.26
12 59 16 00-0102	EA		30" x 72" Round End Peninsula, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	699.48 -515.73	73.45
12 59 16 00-0103	EA		14" x 24" Transaction Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	106.10 -82.87	9.33
12 59 16 00-0104	EA		14" x 36" Transaction Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	122.32 -95.89	10.54
12 59 16 00-0105	EA		14" x 48" Transaction Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	137.84 -108.21	11.82
12 59 16 00-0106	EA		14" x 60" Transaction Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	172.48 -135.61	14.78
12 59 16 00-0107	EA		14" x 72" Transaction Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	207.96 -163.69	17.74
12 59 16 00-0108	EA		Right Angle Corner Transaction Surface, Laminate, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	193.88 -116.43	30.95
12 59 16 00-0109	EA		Pencil Drawer, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	32.74 -26.71	2.40
12 59 16 00-0110	EA		12" x 24" Shelf, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	118.51 -95.89	9.05
12 59 16 00-0111	EA		12" x 36" Shelf, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	130.09 -105.47	9.79
12 59 16 00-0112	EA		12" x 48" Shelf, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	139.31 -113.01	10.54
12 59 16 00-0113	EA		12" x 24" Flipper Door, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	191.76 -152.73	15.61
12 59 16 00-0114	EA		12" x 36" Flipper Door, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	226.38 -180.81	18.29
12 59 16 00-0115	EA		12" x 48" Flipper Door, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	262.53 -210.26	20.88
12 59 16 00-0116	EA		24" Task Light, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	202.13 -175.33	10.72
12 59 16 00-0117	EA		36" Task Light, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	213.78 -186.98	10.72
12 59 16 00-0118	EA		48" Task Light, Herman Miller Action Office..... <i>For Owner Furnished Material, Deduct</i>	226.11 -199.31	10.72
12 59 16 00-0119	EA		Disassemble And Store 32H 24W Panel.....	31.78	
12 59 16 00-0120	EA		Disassemble And Store 32H 30W Panel.....	33.35	
12 59 16 00-0121	EA		Disassemble And Store 32H 36W Panel.....	35.01	
12 59 16 00-0122	EA		Disassemble And Store 32H 48W Panel.....	36.77	
12 59 16 00-0123	EA		Disassemble And Store 39H 24W Panel.....	33.35	
12 59 16 00-0124	EA		Disassemble And Store 39H 30W Panel.....	35.01	
12 59 16 00-0125	EA		Disassemble And Store 39H 36W Panel.....	36.77	
12 59 16 00-0126	EA		Disassemble And Store 39H 48W Panel.....	38.62	
12 59 16 00-0127	EA		Disassemble And Store 47H 24W Panel.....	35.01	
12 59 16 00-0128	EA		Disassemble And Store 47H 30W Panel.....	36.77	
12 59 16 00-0129	EA		Disassemble And Store 47H 36W Panel.....	38.62	
12 59 16 00-0130	EA		Disassemble And Store 47H 48W Panel.....	40.56	
12 59 16 00-0131	EA		Disassemble And Store 62H 12W Panel.....	31.78	
12 59 16 00-0132	EA		Disassemble And Store 62H 24W Panel.....	36.77	
12 59 16 00-0133	EA		Disassemble And Store 62H 36W Panel.....	40.56	
12 59 16 00-0134	EA		Disassemble And Store 62H 48W Panel.....	42.58	
12 59 16 00-0135	EA		Disassemble And Store 67H 12W Panel.....	33.35	
12 59 16 00-0136	EA		Disassemble And Store 67H 24W Panel.....	38.62	
12 59 16 00-0137	EA		Disassemble And Store 67H 36W Panel.....	42.58	
12 59 16 00-0138	EA		Disassemble And Store 67H 48W Panel.....	44.71	
12 59 16 00-0139	EA		Disassemble And Store 67H 12W Panel.....	35.01	
12 59 16 00-0140	EA		Disassemble And Store 85H 24W Panel.....	40.56	
12 59 16 00-0141	EA		Disassemble And Store 85H 36W Panel.....	44.71	
12 59 16 00-0142	EA		Disassemble And Store 85H 48W Panel.....	46.93	
12 59 16 00-0143	EA		Disassemble And Store 32" Two-Way 90 Connector.....	7.86	
12 59 16 00-0144	EA				

12 Furnishings**12 50 Furniture****12 59 Systems Furniture**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

12 59 16 00-0145	EA	Disassemble And Store 39" Two-Way 90 Connector.....	8.59
12 59 16 00-0146	EA	Disassemble And Store 47" Two-Way 90 Connector.....	9.24
12 59 16 00-0147	EA	Disassemble And Store 62" Two-Way 90 Connector.....	10.63
12 59 16 00-0148	EA	Disassemble And Store 67" Two-Way 90 Connector.....	11.36
12 59 16 00-0149	EA	Disassemble And Store 85" Two-Way 90 Connector.....	12.01
12 59 16 00-0150	EA	Disassemble And Store 32" Three-Way 90 Connector.....	12.38
12 59 16 00-0151	EA	Disassemble And Store 39" Three-Way 90 Connector.....	13.40
12 59 16 00-0152	EA	Disassemble And Store 47" Three-Way 90 Connector.....	14.32
12 59 16 00-0153	EA	Disassemble And Store 62" Three-Way 90 Connector.....	16.63
12 59 16 00-0154	EA	Disassemble And Store 67" Three-Way 90 Connector.....	18.11
12 59 16 00-0155	EA	Disassemble And Store 85" Three-Way 90 Connector.....	20.42
12 59 16 00-0156	EA	Disassemble And Store 32" Four-Way 90 Connector.....	15.61
12 59 16 00-0157	EA	Disassemble And Store 39" Four-Way 90 Connector.....	17.00
12 59 16 00-0158	EA	Disassemble And Store 47" Four-Way 90 Connector.....	18.29
12 59 16 00-0159	EA	Disassemble And Store 62" Four-Way 90 Connector.....	21.98
12 59 16 00-0160	EA	Disassemble And Store 67" Four-Way 90 Connector.....	23.28
12 59 16 00-0161	EA	Disassemble And Store 85" Four-Way 90 Connector.....	26.97
12 59 16 00-0162	EA	Disassemble And Store 32" Finished End.....	2.68
12 59 16 00-0163	EA	Disassemble And Store 39" Finished End.....	2.86
12 59 16 00-0164	EA	Disassemble And Store 47" Finished End.....	3.05
12 59 16 00-0165	EA	Disassemble And Store 62" Finished End.....	3.24
12 59 16 00-0166	EA	Disassemble And Store 67" Finished End.....	3.42
12 59 16 00-0167	EA	Disassemble And Store 85" Finished End.....	3.69
12 59 16 00-0168	EA	Disassemble And Store Change Of Height Draw Rod.....	2.93
12 59 16 00-0169	EA	Disassemble And Store Cable/Energy Barrier (Connector).....	1.51
12 59 16 00-0170	EA	Disassemble And Store 27" Draw Rod.....	1.58
12 59 16 00-0171	EA	Disassemble And Store 34" Draw Rod.....	1.74
12 59 16 00-0172	EA	Disassemble And Store 42" Draw Rod.....	1.76
12 59 16 00-0173	EA	Disassemble And Store 48" Draw Rod.....	1.85
12 59 16 00-0174	EA	Disassemble And Store 57" Draw Rod.....	1.94
12 59 16 00-0175	EA	Disassemble And Store 62" Draw Rod.....	2.04
12 59 16 00-0176	EA	Disassemble And Store 80" Draw Rod.....	2.13
12 59 16 00-0177	EA	Disassemble And Store 24" x 36" Hanging Work Surface.....	24.33
12 59 16 00-0178	EA	Disassemble And Store 24" x 48" Hanging Work Surface.....	28.30
12 59 16 00-0179	EA	Disassemble And Store 24" x 60" Hanging Work Surface.....	35.71
12 59 16 00-0180	EA	Disassemble And Store 24" x 72" Hanging Work Surface.....	43.37
12 59 16 00-0181	EA	Disassemble And Store 30" x 36" Hanging Work Surface.....	29.98
12 59 16 00-0182	EA	Disassemble And Store 30" x 48" Hanging Work Surface.....	35.37
12 59 16 00-0183	EA	Disassemble And Store 30" x 60" Hanging Work Surface.....	44.97
12 59 16 00-0184	EA	Disassemble And Store 30" x 72" Hanging Work Surface.....	54.49
12 59 16 00-0185	EA	Disassemble And Store 24" x 36" Corner Work Surface.....	38.54
12 59 16 00-0186	EA	Disassemble And Store 30" x 60" Round End Peninsula.....	84.15
12 59 16 00-0187	EA	Disassemble And Store 30" x 72" Round End Peninsula.....	91.93
12 59 16 00-0188	EA	Disassemble And Store 14" x 24" Transaction Surface.....	11.62
12 59 16 00-0189	EA	Disassemble And Store 14" x 36" Transaction Surface.....	13.22
12 59 16 00-0190	EA	Disassemble And Store 14" x 48" Transaction Surface.....	14.82
12 59 16 00-0191	EA	Disassemble And Store 14" x 60" Transaction Surface.....	18.44
12 59 16 00-0192	EA	Disassemble And Store 14" x 72" Transaction Surface.....	22.15
12 59 16 00-0193	EA	Disassemble And Store Right Angle Corner Transaction Surface.....	38.74
12 59 16 00-0194	EA	Disassemble And Store Pencil Drawer.....	3.02
12 59 16 00-0195	EA	Disassemble And Store 24" Shelf.....	11.32
12 59 16 00-0196	EA	Disassemble And Store 36" Shelf.....	12.32
12 59 16 00-0197	EA	Disassemble And Store 48" Shelf.....	13.15
12 59 16 00-0198	EA	Disassemble And Store 24" Flipper Door.....	19.53
12 59 16 00-0199	EA	Disassemble And Store 36" Flipper Door.....	22.80
12 59 16 00-0200	EA	Disassemble And Store 48" Flipper Door.....	26.15
12 59 16 00-0201	EA	Disassemble And Store Task Light, Herman Miller Action Office.....	13.41

12 59 16 00-0202 Reconfigure (12 59 16 00-0032)

12 59 16 00-0203	EA	Reconfigure 32H 24W Panel.....	41.78
12 59 16 00-0204	EA	Reconfigure 32H 30W Panel.....	43.97
12 59 16 00-0205	EA	Reconfigure 32H 36W Panel.....	46.37
12 59 16 00-0206	EA	Reconfigure 32H 48W Panel.....	48.94
12 59 16 00-0207	EA	Reconfigure 39H 24W Panel.....	43.71
12 59 16 00-0208	EA	Reconfigure 39H 30W Panel.....	45.94
12 59 16 00-0209	EA	Reconfigure 39H 36W Panel.....	48.53
12 59 16 00-0210	EA	Reconfigure 39H 48W Panel.....	51.24
12 59 16 00-0211	EA	Reconfigure 47H 24W Panel.....	45.76
12 59 16 00-0212	EA	Reconfigure 47H 30W Panel.....	48.30
12 59 16 00-0213	EA	Reconfigure 47H 36W Panel.....	51.17
12 59 16 00-0214	EA	Reconfigure 47H 48W Panel.....	54.21
12 59 16 00-0215	EA	Reconfigure 62H 12W Panel.....	42.19
12 59 16 00-0216	EA	Reconfigure 62H 24W Panel.....	48.53
12 59 16 00-0217	EA	Reconfigure 62H 36W Panel.....	54.56
12 59 16 00-0218	EA	Reconfigure 62H 48W Panel.....	57.95
12 59 16 00-0219	EA	Reconfigure 67H 12W Panel.....	44.07
12 59 16 00-0220	EA	Reconfigure 67H 24W Panel.....	50.69
12 59 16 00-0221	EA	Reconfigure 67H 36W Panel.....	56.95
12 59 16 00-0222	EA	Reconfigure 67H 48W Panel.....	60.34
12 59 16 00-0223	EA	Reconfigure 85H 12W Panel.....	46.57
12 59 16 00-0224	EA	Reconfigure 85H 24W Panel.....	53.94
12 59 16 00-0225	EA	Reconfigure 85H 36W Panel.....	60.60
12 59 16 00-0226	EA	Reconfigure 85H 48W Panel.....	64.20
12 59 16 00-0227	EA	Reconfigure 32" Two-Way 90 Connector.....	9.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0228	EA		Reconfigure 39" Two-Way 90 Connector.....	10.75	
12 59 16 00-0229	EA		Reconfigure 47" Two-Way 90 Connector.....	11.64	
12 59 16 00-0230	EA		Reconfigure 62" Two-Way 90 Connector.....	13.40	
12 59 16 00-0231	EA		Reconfigure 67" Two-Way 90 Connector.....	14.17	
12 59 16 00-0232	EA		Reconfigure 85" Two-Way 90 Connector.....	15.14	
12 59 16 00-0233	EA		Reconfigure 32" Three-Way 90 Connector.....	15.91	
12 59 16 00-0234	EA		Reconfigure 39" Three-Way 90 Connector.....	17.11	
12 59 16 00-0235	EA		Reconfigure 47" Three-Way 90 Connector.....	18.38	
12 59 16 00-0236	EA		Reconfigure 62" Three-Way 90 Connector.....	21.28	
12 59 16 00-0237	EA		Reconfigure 67" Three-Way 90 Connector.....	22.88	
12 59 16 00-0238	EA		Reconfigure 85" Three-Way 90 Connector.....	25.86	
12 59 16 00-0239	EA		Reconfigure 32" Four-Way 90 Connector.....	20.11	
12 59 16 00-0240	EA		Reconfigure 39" Four-Way 90 Connector.....	21.69	
12 59 16 00-0241	EA		Reconfigure 47" Four-Way 90 Connector.....	23.30	
12 59 16 00-0242	EA		Reconfigure 62" Four-Way 90 Connector.....	27.97	
12 59 16 00-0243	EA		Reconfigure 67" Four-Way 90 Connector.....	29.48	
12 59 16 00-0244	EA		Reconfigure 85" Four-Way 90 Connector.....	33.99	
12 59 16 00-0245	EA		Reconfigure 32" Finished End.....	3.52	
12 59 16 00-0246	EA		Reconfigure 39" Finished End.....	3.73	
12 59 16 00-0247	EA		Reconfigure 47" Finished End.....	3.95	
12 59 16 00-0248	EA		Reconfigure 62" Finished End.....	4.26	
12 59 16 00-0249	EA		Reconfigure 67" Finished End.....	4.44	
12 59 16 00-0250	EA		Reconfigure 85" Finished End.....	4.68	
12 59 16 00-0251	EA		Reconfigure Change Of Height Draw Rod.....	3.40	
12 59 16 00-0252	EA		Reconfigure Cable/Energy Barrier (Connector).....	2.50	
12 59 16 00-0253	EA		Reconfigure 27" Draw Rod.....	1.98	
12 59 16 00-0254	EA		Reconfigure 34" Draw Rod.....	2.09	
12 59 16 00-0255	EA		Reconfigure 42" Draw Rod.....	2.19	
12 59 16 00-0256	EA		Reconfigure 48" Draw Rod.....	2.31	
12 59 16 00-0257	EA		Reconfigure 57" Draw Rod.....	2.41	
12 59 16 00-0258	EA		Reconfigure 62" Draw Rod.....	2.51	
12 59 16 00-0259	EA		Reconfigure 80" Draw Rod.....	2.64	
12 59 16 00-0260	EA		Reconfigure 24" x 36" Hanging Work Surface.....	28.83	
12 59 16 00-0261	EA		Reconfigure 24" x 48" Hanging Work Surface.....	34.23	
12 59 16 00-0262	EA		Reconfigure 24" x 60" Hanging Work Surface.....	43.29	
12 59 16 00-0263	EA		Reconfigure 24" x 72" Hanging Work Surface.....	52.64	
12 59 16 00-0264	EA		Reconfigure 30" x 36" Hanging Work Surface.....	36.30	
12 59 16 00-0265	EA		Reconfigure 30" x 48" Hanging Work Surface.....	42.87	
12 59 16 00-0266	EA		Reconfigure 30" x 60" Hanging Work Surface.....	54.58	
12 59 16 00-0267	EA		Reconfigure 30" x 72" Hanging Work Surface.....	66.21	
12 59 16 00-0268	EA		Reconfigure 24" x 36" Corner Work Surface.....	46.72	
12 59 16 00-0269	EA		Reconfigure 30" x 60" Round End Peninsula.....	99.40	
12 59 16 00-0270	EA		Reconfigure 30" x 72" Round End Peninsula.....	108.34	
12 59 16 00-0271	EA		Reconfigure 14" x 24" Transaction Surface.....	14.05	
12 59 16 00-0272	EA		Reconfigure 14" x 36" Transaction Surface.....	16.02	
12 59 16 00-0273	EA		Reconfigure 14" x 48" Transaction Surface.....	17.96	
12 59 16 00-0274	EA		Reconfigure 14" x 60" Transaction Surface.....	22.37	
12 59 16 00-0275	EA		Reconfigure 14" x 72" Transaction Surface.....	26.88	
12 59 16 00-0276	EA		Reconfigure Right Angle Corner Transaction Surface.....	43.63	
12 59 16 00-0277	EA		Reconfigure Pencil Drawer.....	3.75	
12 59 16 00-0278	EA		Reconfigure 24" Shelf.....	13.98	
12 59 16 00-0279	EA		Reconfigure 36" Shelf.....	15.24	
12 59 16 00-0280	EA		Reconfigure 48" Shelf.....	16.29	
12 59 16 00-0281	EA		Reconfigure 24" Flipper Door.....	23.87	
12 59 16 00-0282	EA		Reconfigure 36" Flipper Door.....	27.92	
12 59 16 00-0283	EA		Reconfigure 48" Flipper Door.....	32.08	
12 59 16 00-0284	EA		Reconfigure Task Light.....	17.81	

END OF SECTION 12

12	12	Furnishings
	12 50	Furniture
	12 59	Systems Furniture



MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 20 Special Purpose Rooms ⁽¹³⁾

13 21 Controlled Environment Rooms ^(13 20)

13 21 26 Cold Storage Rooms ^(13 21)

13 21 26 13 Walk-in Coolers ^(13 21 26)

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 40 Integrated Construction ⁽¹³⁾

13 46 Lightning Protection Systems ^(13 40)

13 46 13 Lightning Protection for Structures ^(13 46)

13 46 13 00-0001 Lightning Protection ^(13 46 13)

See CSI section 26 05 26 00-0001 for conductors.

13 46 13 00-0002 Air Terminals For Lightning Protection ^(13 46 13 00-0001)

13 46 13 00-0003 Copper Lightning Protection Air Terminals ^(13 46 13 00-0002)

13 46 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal.....	66.21	12.97
13 46 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal.....	82.61	12.97
13 46 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal.....	106.60	12.97
13 46 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal.....	118.65	12.97
13 46 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal.....	228.30	25.93

13 46 13 00-0009 Aluminum Lightning Protection Air Terminals ^(13 46 13 00-0002)

13 46 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal.....	84.73	12.97
13 46 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal.....	107.97	12.97
13 46 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal.....	137.66	12.97
13 46 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal.....	152.94	12.97
13 46 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal.....	298.84	25.93

13 46 13 00-0015 Terminal Bases For Lightning Protection ^(13 46 13 00-0001)

13 46 13 00-0016 Copper Lightning Protection Terminal Bases ^(13 46 13 00-0015)

13 46 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal.....	96.59	38.90
13 46 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal.....	130.84	51.87
13 46 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal.....	174.74	64.82
13 46 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal.....	130.84	51.87
13 46 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal.....	138.36	51.87
13 46 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal.....	247.45	103.72
13 46 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal.....	172.78	64.82
13 46 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal.....	96.59	38.90

13 46 13 00-0025 Aluminum Lightning Protection Terminal Bases ^(13 46 13 00-0015)

13 46 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal.....	103.93	38.90
13 46 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal.....	139.53	51.87
13 46 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal.....	189.23	64.82
13 46 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal.....	140.05	51.87
13 46 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal.....	147.24	51.87
13 46 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	266.12	103.72
13 46 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	184.94	64.82
13 46 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal.....	103.93	38.90

13 46 13 00-0034 Connectors ^(13 46 13 00-0001)

13 46 13 00-0035 Copper Cable Connectors ^(13 46 13 00-0034)

13 46 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System.....	194.65	64.82
13 46 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System.....	267.76	103.72
13 46 13 00-0038	EA	Beam Connector For Copper Lightning Protection System.....	176.11	64.82
13 46 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System.....	41.36	12.97
13 46 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System.....	42.06	12.97
13 46 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal.....	128.49	38.90

13 46 13 00-0042 Aluminum Cable Connectors ^(13 46 13 00-0034)

13 46 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System.....	211.31	64.82
13 46 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	295.65	103.72
13 46 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System.....	195.91	64.82
13 46 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System.....	47.34	12.97
13 46 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal.....	139.87	38.90

13 46 13 00-0048 Bonding Plates ^(13 46 13 00-0001)

13 46 13 00-0049 Copper Bonding Plates ^(13 46 13 00-0048)

13 Special Construction**13 40 Integrated Construction****13 46 Lightning Protection Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

13 46 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	158.20	64.82
13 46 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System.....	162.80	64.82
13 46 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System.....	240.10	103.72

13 46 13 00-0053 Aluminum Bonding Plates (13 46 13 00-0048)

13 46 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	162.53	64.82
13 46 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System.....	170.74	64.82
13 46 13 00-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System.....	245.07	103.72

13 46 13 00-0057 Cable Supports (13 46 13 00-0001)**13 46 13 00-0058 Copper Cable Supports** (13 46 13 00-0057)

13 46 13 00-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System	29.70	12.97
13 46 13 00-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System.....	30.30	12.97

13 46 13 00-0061 Aluminum Cable Supports (13 46 13 00-0057)

13 46 13 00-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System	29.23	12.97
13 46 13 00-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System.....	29.04	12.97

13 46 13 00-0064 Bonding Straps (13 46 13 00-0001)**13 46 13 00-0065 Copper Bonding Straps** (13 46 13 00-0064)

13 46 13 00-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	82.78	38.90
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13 46 13 00-0067 Aluminum Bonding Straps (13 46 13 00-0064)

13 46 13 00-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	86.47	38.90
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13 46 13 00-0069 Accessories For Lightning Protection (13 46 13 00-0001)

See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.

13 46 13 00-0070 Copper Adapters (13 46 13 00-0069)

13 46 13 00-0071	EA	Swivel Adapters For Copper Lightning Protection System.....	30.18	6.48
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13 46 13 00-0072 Aluminum Adapters (13 46 13 00-0069)

13 46 13 00-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	41.67	6.48
13 46 13 00-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	196.56	64.82

13 47 Facility Protection (13 40)**13 47 13 Cathodic Protection** (13 47)**13 47 13 13 Cathodic Protection for Underground and Submerged Piping** (13 47 13)**13 47 13 13-0001 Anodes** (13 47 13 13)**13 47 13 13-0002 Magnesium Type, Conventional** (13 47 13 13-0001)

13 47 13 13-0003	EA	9 Lb. Magnesium Type Anodes	420.76	184.22
13 47 13 13-0004	EA	17 Lb. Magnesium Type Anodes	624.08	266.25
13 47 13 13-0005	EA	32 Lb. Magnesium Type Anode	851.51	342.53
13 47 13 13-0006	EA	48 Lb. Magnesium Type Anode	1,212.23	479.26

13 47 13 13-0007 Graphite Type (13 47 13 13-0001)

Note: Includes epoxy cap.

13 47 13 13-0008	EA	3" x 60", 32 Lb., Graphite Type Anodes With Epoxy Cap	637.53	262.98
13 47 13 13-0009	EA	4" x 80", 68 Lb., Graphite Type Anodes With Epoxy Cap	992.26	367.23
13 47 13 13-0010	EA	6" x 36", 45 Lb., Graphite Type Anodes With Epoxy Cap	745.41	229.82
13 47 13 13-0011	EA	6" x 72", 80 Lb., Graphite Type Anodes With Epoxy Cap	1,141.09	306.81

13 47 13 13-0012 Rectifiers (13 47 13 13)**13 47 13 13-0013 Air-Cooled, Silicon Type** (13 47 13 13-0012)

13 47 13 13-0014	EA	Air-Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,237.66	373.41
13 47 13 13-0015	EA	Air-Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,423.67	373.41

13 47 13 13-0016 Oil Immersed, Silicon Type (13 47 13 13-0012)

13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type.....	3,386.59	431.75
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type.....	3,585.88	431.75

13 47 13 13-0019 Anode Backfill (13 47 13 13)

13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	1.25	0.47
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13 47 13 13-0021 Cathodic Protection Cable (13 47 13 13)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8.....	2,474.36	919.25
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6.....	2,756.26	919.25
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4.....	3,179.10	919.25
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2.....	3,883.84	919.25
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1.....	4,841.04	1,012.83
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0.....	5,369.60	1,012.83
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0.....	6,250.53	1,012.83
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0.....	8,546.38	1,104.05
13 47 13 13-0030		Cathodic Test Stations (13 47 13 13)		
13 47 13 13-0031		Flush Curb Box Type With Lockable Cover And Terminal Box (13 47 13 13-0030)		
13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover.....	326.95	107.61
13 47 13 16		Cathodic Protection for Underground Storage Tanks (13 47 13)		
		See CSI section 13 47 13 13-0000 for Cathodic protection for tanks.		
13 48		Sound, Vibration, and Seismic Control (13 40)		
13 48 53		Manufactured Seismic Control Components (13 48)		
13 48 53 00-0001		Seismic Bracing Assembly (13 48 53)		
13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace..... Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	189.13	
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	184.47	
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	277.06	
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	359.41	
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	368.53	
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	548.03	
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	727.54	
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	221.30	
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	327.18	
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	433.07	
13 48 53 00-0012		Seismic Brace Components (13 48 53)		
13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1)..... Note: To be used with 7x19 stranded cable.	35.57	
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2)..... Note: To be used with 7x19 stranded cable.	49.18	
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3)..... Note: To be used with 7x19 stranded cable.	65.53	
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4)..... Note: To be used with 7x19 stranded cable.	90.02	
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1)..... Note: To be used with angle or channel.	33.34	
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2)..... Note: To be used with angle or channel.	45.33	
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3)..... Note: To be used with angle or channel.	59.88	
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4)..... Note: To be used with angle or channel.	81.29	
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1)..... Note: To be used with 7x19 stranded cable.	40.62	
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2)..... Note: To be used with 7x19 stranded cable.	53.89	
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3)..... Note: To be used with 7x19 stranded cable.	75.29	
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1)..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	71.87	
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2)..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	101.40	
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3)..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	138.65	
13 48 53 00-0027	EA	Seismic Rod Clamp (Mason SRC-1)..... Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	30.28	
13 48 53 00-0028	EA	Seismic Rod Clamp (Mason SRC-1 1/2)..... Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	37.13	
13 48 53 00-0029	EA	Seismic Rod Clamp (Mason SRC-2)..... Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	46.54	
13 48 63		Fabricated Seismic Control Assemblies (13 48)		
13 48 63 00-0001		Seismic Restraints (13 48 63)		
13 48 63 00-0002	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole..... Note: Adhesive applied.	5.86	1.36

13 Special Construction**13 40 Integrated Construction****13 48 Sound, Vibration, and Seismic Control**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

13 48 63 00-0003	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied.....	4.51	0.67
13 48 63 00-0004	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole.....	7.65	1.70
		Note: Adhesive applied.		
13 48 63 00-0005	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied.....	5.75	0.84
13 48 63 00-0006	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied.....	7.26	0.99
13 48 63 00-0007	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied.....	12.15	1.20
13 48 63 00-0008	LF	3/4" Wide Seismic Strap, Gray.....	5.22	1.02
13 48 63 00-0009	LF	1" Wide Seismic Strap, Gray.....	7.62	1.02
13 48 63 00-0010	EA	3/4" Wide x 4" Long Seismic Strap, Gray.....	2.54	0.67
13 48 63 00-0011	EA	3/4" Wide x 12" Long Seismic Strap, Gray.....	11.34	2.03
13 48 63 00-0012	LF	Seismic Chord, Black.....	3.18	1.02
13 48 63 00-0013	LF	SAFELOK Seismic Fastener, Black.....	4.18	1.02

13 49 Radiation Protection (13 40)**13 49 13 Integrated X-Ray Shielding Assemblies** (13 49)**13 49 13 00-0001 Lead Shielding** (13 49 13)

See CSI section 09 29 10 00-0036 for finishing tasks.

13 49 13 00-0002	SF	1/16" Sheet Lead Shielding	47.45	8.14
13 49 13 00-0003	SF	1/8" Sheet Lead Shielding	79.98	8.82
13 49 13 00-0004	SF	1/4" Sheet Lead Shielding	141.62	9.49
13 49 13 00-0005	SF	1/2" Sheet Lead Shielding	269.61	12.21

13 49 16 Modular X-Ray Shielding Rooms (13 49)**13 49 16 00-0001 X-Ray Barriers, Modular** (13 49 16)

Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.

13 49 16 00-0002 36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers (13 49 16 00-0001)

13 49 16 00-0003	EA	0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	9,271.04	172.48
13 49 16 00-0004	EA	0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	9,843.22	172.48
13 49 16 00-0005	EA	1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,141.08	206.98
13 49 16 00-0006	EA	1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	10,827.70	206.98

13 49 16 00-0007 72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers (13 49 16 00-0001)

13 49 16 00-0008	EA	0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	19,891.77	275.97
13 49 16 00-0009	EA	0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	20,692.83	275.97
13 49 16 00-0010	EA	1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	21,334.06	310.47
13 49 16 00-0011	EA	1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	23,005.12	344.96

13 49 16 00-0012 108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers (13 49 16 00-0001)

13 49 16 00-0013	EA	0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	30,214.64	344.96
13 49 16 00-0014	EA	0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	31,702.32	344.96
13 49 16 00-0015	EA	1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	32,412.48	413.95
13 49 16 00-0016	EA	1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	34,770.10	448.45

13 49 16 00-0017 X-Ray Barriers, Mobile (13 49 16)

Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.

13 49 16 00-0018 30" Wide x 75" High, Mobile X-Ray Barriers (13 49 16 00-0017)

Note: Includes Framework

13 49 16 00-0019	EA	24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers.....	6,361.85	33.91
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13 49 16 00-0020 48" Wide x 75" High, Mobile X-Ray Barriers (13 49 16 00-0017)

Note: Includes Framework

13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	11,282.63	33.91
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	13,571.37	33.91

13 49 16 00-0023 72" Wide x 75" High, Mobile X-Ray Barriers (13 49 16 00-0017)

Note: Includes Framework

13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	13,342.50	33.91
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	16,890.04	33.91

13 49 19 Lead-Lined Materials (13 49)**13 49 19 16 Lead-Lined Drywall** (13 49 19)**13 49 19 16-0001 Lead Lined Drywall** (13 49 19 16)

See CSI section 09 29 10 00-0036 for finishing tasks.

13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall	26.02	1.78
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall	45.29	2.13
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall	82.09	2.56

Special Construction		13
Integrated Construction		13 40
Radiation Protection		13 49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 13

13	13	Special Construction
	13 40	Integrated Construction
	13 49	Radiation Protection



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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		Conveying Equipment	14	14
		Operation and Maintenance of Conveying Equipment	14 01	
		Operation and Maintenance of Elevators	14 01 20	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment ⁽¹⁴⁾

14 01 20 Operation and Maintenance of Elevators ^(14 01)

14 01 20 71 Elevator Rehabilitation ^(14 01 20)

14 01 20 71-0001 Elevator Maintenance ^(14 01 20 71)

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	640.80	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	854.40	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	534.00	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	534.00	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	320.40	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	210.69	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	263.36	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,528.60	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,910.74	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	764.29	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,719.68	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	1,146.45	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,675.05	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	3,057.19	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,292.89	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,866.12	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,528.60	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,369.83	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,666.07	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,369.83	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,369.83	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,369.83	

14 01 20 71-0024 Elevator Modernization ^(14 01 20 71)

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM)	47,898.64	10,795.22
Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			10,374.19	
Note: Includes Pump.				
For An Additional Stop, Add			10,673.02	
Note: Includes Removal.				
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM)	51,632.93	13,044.23
Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			10,471.02	
Note: Includes Pump.				
For An Additional Stop, Add			11,297.39	
Note: Includes Removal.				
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM)	60,645.61	14,843.43
Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.				
For Union-Guard Cathodic Protection, Add			12,020.22	
Note: Includes Pump.				
For An Additional Stop, Add			14,334.45	
Note: Includes Removal.				
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	6,426.76	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	81.16	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	895.36	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four	4,901.38	899.60
Note: Includes cover plate.				
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four	4,211.21	899.60
Note: Includes cover plate.				
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish	9,381.19	
Note: Excludes build back.				
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish	10,155.79	
Note: Excludes build back.				
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish	9,878.87	
Note: Excludes build back.				
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish	10,653.47	
Note: Excludes build back.				
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring	106.17	25.70
Note: SF cost not applicable for partial cab flooring.				
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring	92.42	25.70
Note: SF cost not applicable for partial cab flooring.				
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	15.26	3.37
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,865.36	674.71
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	22,551.52	3,767.08
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	2,971.46	899.60
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	540.74	224.90
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	536.94	449.80
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	717.42	393.57
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	3,530.80	899.60
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	710.41	416.06
14 01 20 71-0048	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	536.94	449.80
14 01 20 71-0049	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing)	866.15	449.80
14 01 20 71-0050	EA	Fire Service Key Switch Controller	4,461.02	899.60
14 01 20 71-0051	EA	ADA Telephone (Rath Microtech)	1,380.56	449.80

14 Conveying Equipment**14 01 Operation and Maintenance of Conveying Equipment****14 01 20 Operation and Maintenance of Elevators**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing)	9,987.11		1,799.21
14 01 20 71-0053	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing)	10,722.99		1,799.21
14 01 20 71-0054	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	3,199.05		449.80
14 01 20 71-0055	EA	Car Operating Panel (ADA, Fire, Position, Chime)	10,509.97		1,799.21
14 01 20 71-0056	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	2,206.74		449.80
14 01 20 71-0057	EA	Car Traveling Lanterns With Audible Signal	1,988.44		449.80
14 01 20 71-0058	EA	Hoistway Door Jamb Floor Tags (Braille)	294.61		224.90
14 01 20 71-0059	EA	Lobby Vandal Resistant Call Station	1,881.94		449.80
14 01 20 71-0060	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	22.39		
		Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.			
14 01 20 71-0061	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	7,196.82		3,598.40
		Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.			
14 01 20 71-0062	LF	Governor Cable	1.74		
		Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.			
14 01 20 71-0063	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels	7,408.91		899.60
14 01 20 71-0064	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	10,507.31		899.60
14 01 20 71-0065	EA	Removal And Replacement Of Governor	6,223.23		899.60
14 01 20 71-0066	EA	Removal And Replacement Of Car Station	10,045.21		1,799.21
14 01 20 71-0067	EA	Removal And Replacement Of Telephone	2,133.68		449.80
14 01 20 71-0068	EA	Removal And Replacement Of Hall Lanterns	1,577.38		449.80
14 01 20 71-0069	EA	Hall Call Buttons, Vandal Resistant	1,286.90		449.80
14 01 20 71-0070	EA	Hall Traveling Lanterns With Audible Signal	2,027.18		449.80
14 01 20 71-0071	EA	Add Raised Character (Braille) Signage To Control Panel	247.56		224.90
14 01 20 71-0072	EA	New Microprocessor Based Controller (Non-Proprietary)	51,268.07		7,196.82
14 01 20 71-0073	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab	30,160.22		7,196.82
14 01 20 71-0074	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	47,039.53		7,196.82
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	3,976.89		
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	4,189.90		
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	4,424.22		
14 01 20 71-0078	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel	4,679.84		
14 01 20 71-0079	EA	Elevator Pit Ladder, Steel	3,763.88		449.80
		Note: Labor cost is for bolting to concrete pit wall.			
14 01 20 71-0080	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	58,383.95		7,196.82
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5	164.79		
		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.			
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7	175.60		
		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.			
14 01 20 71-0083	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4	182.96		
		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.			
14 01 20 71-0084	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	10,499.02		899.60
14 01 20 71-0085	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,441.65		899.60
		Note: Cladding typically done by metal company.			
14 01 20 71-0086	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,538.48		899.60
		Note: Cladding typically done by metal company.			
14 01 20 71-0087	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,635.30		899.60
		Note: Cladding typically done by metal company.			
14 01 20 71-0088	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	4,751.49		899.60
		Note: Cladding typically done by metal company.			
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	9,476.55		899.60
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	9,476.55		899.60
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	13,349.55		899.60
14 01 20 71-0092	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	15,286.05		899.60
14 01 20 71-0093	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	5,799.69		200.19
14 01 20 71-0094	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	6,056.13		240.23
14 01 20 71-0095	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	8,034.48		280.27
14 01 20 71-0096	EA	Aluminum Handrail Spacers With Set Screw	265.12		224.90
14 01 20 71-0097	EA	Bronze Handrail Spacers With Set Screw	270.49		224.90
14 01 20 71-0098	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	176.51		52.92
14 01 20 71-0099	LF	3/8" x 2" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	170.20		52.92
14 01 20 71-0100	LF	3/8" x 3" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	199.71		52.92
14 01 20 71-0101	LF	3/8" x 2" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	219.70		52.92
14 01 20 71-0102	LF	3/8" x 3" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	249.44		52.92
14 01 20 71-0103	LF	3/8" x 2" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	203.43		52.92
14 01 20 71-0104	LF	3/8" x 3" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	229.69		52.92
14 01 20 71-0105	LF	3/8" x 2" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail, Mirror Finish	350.18		52.92
14 01 20 71-0106	LF	3/8" x 3" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail	391.85		52.92
14 01 20 71-0107	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	169.19		52.92
14 01 20 71-0108	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Tubular Stainless Steel Elevator Handrail	170.80		52.92
14 01 20 71-0109	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	214.43		52.92
14 01 20 71-0110	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	201.57		52.92
14 01 20 71-0111	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	215.28		52.92
14 01 20 71-0112	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	266.42		52.92
14 01 20 71-0113	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Tubular Bronze Steel Elevator Handrail	208.08		52.92
14 01 20 71-0114	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Bronze Steel Elevator Handrail	212.49		52.92
14 01 20 71-0115	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish, Bronze Steel Elevator Handrail	347.04		52.92
14 01 20 71-0116	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Bronze Steel Elevator Handrail	232.24		52.92
14 01 20 71-0117	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	347.89		52.92
14 01 20 71-0118	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	391.85		52.92

Conveying Equipment			14	14
Operation and Maintenance of Conveying Equipment			14 01	
Operation and Maintenance of Escalators and Moving Walks			14 01 30	
TOTAL DIRECT			DEMOLITION	
UNIT COST			UNIT COST	

14 01 30 Operation and Maintenance of Escalators and Moving Walks ⁽¹⁴⁾

14 01 30 71 Escalators and Moving Walks Rehabilitation ^(14 01 30)

14 01 30 71-0001 Maintenance ^(14 01 30 71)

14 01 30 71-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit).....	883.32
14 01 30 71-0003	HR	Escalator Servicing, Labor Only.....	210.69
14 01 30 71-0004	EA	Acceptance Test Of Escalators And Moving Walks	4,858.28

14 01 30 71-0005 Modernization ^(14 01 30 71)

14 01 30 71-0006	EA	Removal And Replacement Of 28" Wide Escalator Stair Tread	2,163.10
14 01 30 71-0007	EA	Removal And Replacement Of 36" Wide Escalator Stair Tread	2,317.77
14 01 30 71-0008	EA	Removal And Replacement Of 48" Wide Escalator Stair Tread	2,431.36
14 01 30 71-0009	EA	Removal And Replacement Of 54" Wide Escalator Stair Tread	2,622.21
14 01 30 71-0010	LF	Removal And Replacement Of Sliding Handrail	203.02

14 20 Elevators ⁽¹⁴⁾

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators ^(14 20)

14 21 13 Electric Traction Freight Elevators ^(14 21)

14 21 13 00-0001 Electric Traction Freight Elevators ^(14 21 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	390,766.59
		For Each Opening With Bonderized Steel Door, Add	283.04
		For Each Opening With Stainless Steel Doors, Add	707.60
		For Each Opening With Two Speed Doors, Add	849.12
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20
		For Stainless Steel Cab Interior, Add	7,505.60
		For Elevator With Manual Door, Deduct	-10,000.00
		For Class "C-1" Loading, Add	1,563.04
		For Class "C-2" Loading, Add	1,876.40
		For Class "C-3" Loading, Add	2,566.92
		For Removal Of Existing Stop, Add	9,644.64
		For Each Additional Stop, Add	37,282.08
		For Each Floor < 6 Stops, Deduct	-32,083.69
		For Each Additional 50 FPM, Add	5,629.20
		For Removal Of Existing Elevator, Add	48,223.20
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	412,030.02
		For Each Opening With Bonderized Steel Door, Add	283.04
		For Each Opening With Stainless Steel Doors, Add	707.60
		For Each Opening With Two Speed Doors, Add	849.12
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20
		For Stainless Steel Cab Interior, Add	7,505.60
		For Elevator With Manual Door, Deduct	-10,000.00
		For Class "C-1" Loading, Add	3,126.08
		For Class "C-2" Loading, Add	3,752.80
		For Class "C-3" Loading, Add	5,201.38
		For Removal Of Existing Stop, Add	9,644.64
		For Each Additional Stop, Add	37,282.08
		For Each Floor < 6 Stops, Deduct	-32,083.69
		For Each Additional 50 FPM, Add	5,629.20
		For Removal Of Existing Elevator, Add	48,223.20
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 Lb. x 200 FPM, 6 Stops, 6 Openings	435,089.45
		For Elevator With Manual Door, Deduct	-10,000.00
		For Class "C-1" Loading, Add	3,126.08
		For Class "C-2" Loading, Add	3,752.80
		For Class "C-3" Loading, Add	5,201.38
		For Custom Plastic Laminated Cab Interiors, Add	4,691.00
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40
		For Stainless Steel Cab Interior, Add	8,443.80
		For Removal Of Existing Stop, Add	9,644.64
		For Each Additional Stop, Add	38,220.28
		For Each Additional 50 FPM, Add	5,629.20
		For Each Opening With Bonderized Steel Door, Add	281.46
		For Each Opening With Stainless Steel Doors, Add	562.92
		For Each Opening With Two Speed Doors, Add	703.65
		For Removal Of Existing Elevator, Add	48,223.20
		For Each Floor < 6 Stops, Deduct	-33,083.69

14 Conveying Equipment**14 20 Elevators****14 21 Electric Traction Elevators**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 Lb. x 200 FPM, 6 Stops, 6 Openings	445,350.19	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	3,126.08	
		For Class "C-2" Loading, Add	3,752.80	
		For Class "C-3" Loading, Add	5,201.38	
		For Custom Plastic Laminated Cab Interiors, Add	4,691.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40	
		For Stainless Steel Cab Interior, Add	8,443.80	
		For Removal Of Existing Stop, Add	9,644.64	
		For Each Additional Stop, Add	38,220.28	
		For Each Additional 50 FPM, Add	5,629.20	
		For Each Opening With Bonderized Steel Door, Add	281.46	
		For Each Opening With Stainless Steel Doors, Add	562.92	
		For Each Opening With Two Speed Doors, Add	703.65	
		For Removal Of Existing Elevator, Add	48,223.20	
		For Each Floor < 6 Stops, Deduct	-33,083.69	
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 Lb. x 200 FPM, 6 Stops, 6 Openings	459,200.89	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional 50 FPM, Add	14,152.00	
		For Class "C-1" Loading, Add	6,254.04	
		For Class "C-2" Loading, Add	7,505.60	
		For Class "C-3" Loading, Add	10,267.66	
		For Removal Of Existing Stop, Add	9,644.64	
		For Each Additional Stop, Add	38,220.28	
		For Each Opening With Bonderized Steel Door, Add	375.28	
		For Each Opening With Stainless Steel Doors, Add	656.74	
		For Each Opening With Two Speed Doors, Add	797.47	
		For Custom Plastic Laminated Cab Interiors, Add	5,629.20	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,505.60	
		For Stainless Steel Cab Interior, Add	9,382.00	
		For Removal Of Existing Elevator, Add	48,223.20	
		For Each Floor < 6 Stops, Deduct	-33,083.69	
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 Lb. x 200 FPM, 6 Stops, 6 Openings	474,919.29	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional 50 FPM, Add	14,152.00	
		For Class "C-1" Loading, Add	6,254.04	
		For Class "C-2" Loading, Add	7,505.60	
		For Class "C-3" Loading, Add	10,267.66	
		For Removal Of Existing Stop, Add	9,644.64	
		For Each Additional Stop, Add	38,220.28	
		For Each Opening With Bonderized Steel Door, Add	375.28	
		For Each Opening With Stainless Steel Doors, Add	656.74	
		For Each Opening With Two Speed Doors, Add	797.47	
		For Custom Plastic Laminated Cab Interiors, Add	5,629.20	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,505.60	
		For Stainless Steel Cab Interior, Add	9,382.00	
		For Removal Of Existing Elevator, Add	48,223.20	
		For Each Floor < 6 Stops, Deduct	-33,083.69	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 Lb. x 200 FPM, 6 Stops, 6 Openings	488,385.24	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional 50 FPM, Add	14,152.00	
		For Class "C-1" Loading, Add	6,254.04	
		For Class "C-2" Loading, Add	7,505.60	
		For Class "C-3" Loading, Add	10,267.66	
		For Removal Of Existing Stop, Add	9,644.64	
		For Each Additional Stop, Add	38,220.28	
		For Each Opening With Bonderized Steel Door, Add	375.28	
		For Each Opening With Stainless Steel Doors, Add	656.74	
		For Each Opening With Two Speed Doors, Add	797.47	
		For Custom Plastic Laminated Cab Interiors, Add	5,629.20	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,505.60	
		For Stainless Steel Cab Interior, Add	9,382.00	
		For Removal Of Existing Elevator, Add	48,223.20	
		For Each Floor < 6 Stops, Deduct	-33,083.69	

14 21 23 Electric Traction Passenger Elevators (14 21)**14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)****14 21 23 13-0001 Electric Traction Passenger Elevators (14 21 23 13)**

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 Lb. x 200 FPM, 6 Stops, 6 Openings	290,521.48	
		For Each Opening With Bonderized Steel Door, Add	283.04	
		For Each Opening With Stainless Steel Doors, Add	707.60	
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
		For Stainless Steel Cab Interior, Add	7,505.60	
		For Each Additional 50 FPM, Add	5,837.70	
		For Removal Of Existing Stop, Add	4,825.54	
		For Each Additional Stop, Add	37,282.08	
		For Each Floor < 6 Stops, Deduct	-22,063.84	
		For Removal Of Existing Elevator, Add	36,191.59	

			Conveying Equipment		14
			Elevators		14 20
			Electric Traction Elevators		14 21
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 Lb. x 200 FPM, 6 Stops, 6 Openings	298,169.28		
		For Each Opening With Bonderized Steel Door, Add	283.04		
		For Each Opening With Stainless Steel Doors, Add	707.60		
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80		
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20		
		For Stainless Steel Cab Interior, Add	7,505.60		
		For Each Additional 50 FPM, Add	5,837.70		
		For Removal Of Existing Stop, Add	4,825.54		
		For Each Additional Stop, Add	37,282.08		
		For Each Floor < 6 Stops, Deduct	-22,063.84		
		For Removal Of Existing Elevator, Add	36,191.59		
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 Lb. x 200 FPM, 6 Stops, 6 Openings	304,942.09		
		For Each Opening With Bonderized Steel Door, Add	283.04		
		For Each Opening With Stainless Steel Doors, Add	707.60		
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80		
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20		
		For Stainless Steel Cab Interior, Add	7,505.60		
		For Each Additional 50 FPM, Add	5,837.70		
		For Removal Of Existing Stop, Add	4,825.54		
		For Each Additional Stop, Add	37,282.08		
		For Each Floor < 6 Stops, Deduct	-22,063.84		
		For Removal Of Existing Elevator, Add	36,191.59		
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 Lb. x 200 FPM, 6 Stops, 6 Openings	309,881.49		
		For Each Opening With Bonderized Steel Door, Add	283.04		
		For Each Opening With Stainless Steel Doors, Add	707.60		
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80		
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20		
		For Stainless Steel Cab Interior, Add	7,505.60		
		For Each Additional 50 FPM, Add	5,837.70		
		For Removal Of Existing Stop, Add	4,825.54		
		For Each Additional Stop, Add	37,282.08		
		For Each Floor < 6 Stops, Deduct	-22,063.84		
		For Removal Of Existing Elevator, Add	36,191.59		
14 21 23 13-0006	EA	Electric Traction Passenger Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	316,276.80		
		For Each Opening With Bonderized Steel Door, Add	283.04		
		For Each Opening With Stainless Steel Doors, Add	707.60		
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80		
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20		
		For Stainless Steel Cab Interior, Add	7,505.60		
		For Each Additional 50 FPM, Add	5,837.70		
		For Removal Of Existing Stop, Add	4,825.54		
		For Each Additional Stop, Add	37,282.08		
		For Each Floor < 6 Stops, Deduct	-22,063.84		
		For Removal Of Existing Elevator, Add	36,191.59		
14 21 23 13-0007	EA	Electric Traction Passenger Elevator, 4,500 Lb. x 200 FPM, 6 Stops, 6 Openings	322,375.75		
		For Each Opening With Bonderized Steel Door, Add	283.04		
		For Each Opening With Stainless Steel Doors, Add	707.60		
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80		
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20		
		For Stainless Steel Cab Interior, Add	7,505.60		
		For Each Additional 50 FPM, Add	5,837.70		
		For Removal Of Existing Stop, Add	4,825.54		
		For Each Additional Stop, Add	37,282.08		
		For Each Floor < 6 Stops, Deduct	-22,063.84		
		For Removal Of Existing Elevator, Add	36,191.59		
14 21 23 13-0008	EA	Electric Traction Passenger Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	328,616.16		
		For Each Opening With Bonderized Steel Door, Add	283.04		
		For Each Opening With Stainless Steel Doors, Add	707.60		
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80		
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20		
		For Stainless Steel Cab Interior, Add	7,505.60		
		For Each Additional 50 FPM, Add	5,837.70		
		For Removal Of Existing Stop, Add	4,825.54		
		For Each Additional Stop, Add	37,282.08		
		For Each Floor < 6 Stops, Deduct	-22,063.84		
		For Removal Of Existing Elevator, Add	36,191.59		

14 24 Hydraulic Elevators (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators (14 24)

14 24 13 00-0001 Hydraulic Freight Elevators (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 Lb. x 50 FPM, 3 Stops, 3 Openings	239,464.36	
		For Each Additional Stop, Add	27,056.99	
		For 2 Stops, Deduct	-16,225.74	
		For Each Opening With Bonderized Steel Door, Add	283.04	
		For Each Opening With Stainless Steel Doors, Add	707.60	
		For Each Opening With Two Speed Doors, Add	849.12	
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
		For Stainless Steel Cab Interior, Add	7,505.60	
		For Each Additional 50 FPM, Add	2,830.40	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,563.04	
		For Class "C-2" Loading, Add	1,876.40	
		For Class "C-3" Loading, Add	2,566.92	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	54.04	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	84.44	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,644.64	
		For Removal Of Existing Elevator, Add	24,091.57	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 3,500 Lb. x 50 FPM, 3 Stops, 3 Openings	246,966.29	
		For Each Additional Stop, Add	27,056.99	
		For 2 Stops, Deduct	-16,225.74	
		For Each Opening With Bonderized Steel Door, Add	283.04	
		For Each Opening With Stainless Steel Doors, Add	707.60	
		For Each Opening With Two Speed Doors, Add	849.12	
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
		For Stainless Steel Cab Interior, Add	7,505.60	
		For Each Additional 50 FPM, Add	2,830.40	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,563.04	
		For Class "C-2" Loading, Add	1,876.40	
		For Class "C-3" Loading, Add	2,566.92	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	54.04	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	84.44	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,644.64	
		For Removal Of Existing Elevator, Add	24,091.57	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 Lb. x 50 FPM, 3 Stops, 3 Openings	253,916.48	
		For Each Additional Stop, Add	27,056.99	
		For 2 Stops, Deduct	-16,225.74	
		For Each Opening With Bonderized Steel Door, Add	283.04	
		For Each Opening With Stainless Steel Doors, Add	707.60	
		For Each Opening With Two Speed Doors, Add	849.12	
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
		For Stainless Steel Cab Interior, Add	7,505.60	
		For Each Additional 50 FPM, Add	2,830.40	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Class "C-1" Loading, Add	1,563.04	
		For Class "C-2" Loading, Add	1,876.40	
		For Class "C-3" Loading, Add	2,566.92	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	54.04	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	84.44	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,644.64	
		For Removal Of Existing Elevator, Add	24,091.57	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 Lb. x 50 FPM, 3 Stops, 3 Openings	260,654.21	
		For Each Opening With Bonderized Steel Door, Add	283.04	
		For Each Opening With Stainless Steel Doors, Add	707.60	
		For Each Opening With Two Speed Doors, Add	849.12	
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
		For Stainless Steel Cab Interior, Add	7,505.60	
		For Each Additional 50 FPM, Add	2,830.40	
		For Elevator With Manual Door, Deduct	-10,000.00	
		For Each Additional Stop, Add	28,472.19	
		For 2 Stops, Deduct	-17,225.74	
		For Class "C-1" Loading, Add	3,126.08	
		For Class "C-2" Loading, Add	3,752.80	
		For Class "C-3" Loading, Add	5,201.38	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	54.04	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	84.44	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	9,644.64	
		For Removal Of Existing Elevator, Add	24,091.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006	EA		Hydraulic Freight Elevator, 6,000 Lb. x 50 FPM, 3 Stops, 3 Openings	274,848.02	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	28,472.19	
			For 2 Stops, Deduct	-17,225.74	
			For Class "C-1" Loading, Add	3,126.08	
			For Class "C-2" Loading, Add	3,752.80	
			For Class "C-3" Loading, Add	5,201.38	
			For Each Additional 50 FPM, Add	14,152.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,691.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40	
			For Stainless Steel Cab Interior, Add	8,443.80	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	9,644.64	
			For Removal Of Existing Elevator, Add	24,091.57	
14 24 13 00-0007	EA		Hydraulic Freight Elevator, 7,000 Lb. x 50 FPM, 3 Stops, 3 Openings	281,661.82	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	28,472.19	
			For 2 Stops, Deduct	-17,225.74	
			For Class "C-1" Loading, Add	3,126.08	
			For Class "C-2" Loading, Add	3,752.80	
			For Class "C-3" Loading, Add	5,201.38	
			For Each Additional 50 FPM, Add	14,152.00	
			For Custom Plastic Laminated Cab Interiors, Add	4,691.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40	
			For Stainless Steel Cab Interior, Add	8,443.80	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	9,644.64	
			For Removal Of Existing Elevator, Add	36,191.59	
14 24 13 00-0008	EA		Hydraulic Freight Elevator, 8,000 Lb. x 50 FPM, 3 Stops, 3 Openings	291,872.24	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	28,472.19	
			For 2 Stops, Deduct	-17,225.74	
			For Custom Plastic Laminated Cab Interiors, Add	4,691.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40	
			For Stainless Steel Cab Interior, Add	8,443.80	
			For Each Additional 50 FPM, Add	15,567.20	
			For Class "C-1" Loading, Add	7,815.21	
			For Class "C-2" Loading, Add	9,382.00	
			For Class "C-3" Loading, Add	12,834.58	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	9,644.64	
			For Removal Of Existing Elevator, Add	36,191.59	
14 24 13 00-0009	EA		Hydraulic Freight Elevator, 10,000 Lb. x 50 FPM, 3 Stops, 3 Openings	299,455.45	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Elevator With Manual Door, Deduct	-10,000.00	
			For Each Additional Stop, Add	28,472.19	
			For 2 Stops, Deduct	-17,225.74	
			For Custom Plastic Laminated Cab Interiors, Add	4,691.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40	
			For Stainless Steel Cab Interior, Add	8,443.80	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Removal Of Existing Stop, Add	9,644.64	
			For Removal Of Existing Elevator, Add	36,191.59	
			For Each Additional 50 FPM, Add	16,982.40	
			For Class "C-1" Loading, Add	10,394.32	
			For Class "C-2" Loading, Add	12,478.06	
			For Class "C-3" Loading, Add	17,069.61	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 Lb. x 50 FPM, 3 Stops, 3 Openings	312,159.84
		For Each Opening With Bonderized Steel Door, Add	283.04
		For Each Opening With Stainless Steel Doors, Add	707.60
		For Each Opening With Two Speed Doors, Add	849.12
		For Elevator With Manual Door, Deduct	-10,000.00
		For Each Additional Stop, Add	28,472.19
		For 2 Stops, Deduct	-17,225.74
		For Custom Plastic Laminated Cab Interiors, Add	4,691.00
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,567.40
		For Stainless Steel Cab Interior, Add	8,443.80
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83
		Note: Includes Labor and Equipment.	
		For 12" PVC Liner, Add Per LF	54.04
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For 12" Steel Liner, Add Per LF	84.44
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For Removal Of Existing Stop, Add	9,644.64
		For Removal Of Existing Elevator, Add	36,191.59
		For Each Additional 50 FPM, Add	16,982.40
		For Class "C-1" Loading, Add	10,394.32
		For Class "C-2" Loading, Add	12,478.06
		For Class "C-3" Loading, Add	17,069.61

14 24 13 00-0011 Hydraulic Elevators Piston Drilling (14 24 13)

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling	103.26
		Note: Includes casing.	
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling	123.21
		Note: Includes casing.	

14 24 23 Hydraulic Passenger Elevators (14 24)**14 24 23 00-0001 Hydraulic Passenger Elevators (14 24 23)**

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM, 3 Stops, 3 Openings	164,999.51
		For Each Additional Stop, Add	27,056.99
		For Each Opening With Bonderized Steel Door, Add	283.04
		For Each Opening With Stainless Steel Doors, Add	707.60
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20
		For Stainless Steel Cab Interior, Add	7,505.60
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83
		Note: Includes Labor and Equipment.	
		For 12" PVC Liner, Add Per LF	54.04
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For 12" Steel Liner, Add Per LF	84.44
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For Each Additional 50 FPM, Add	5,837.70
		For Removal Of Existing Elevator, Add	24,091.57
		For Removal Of Existing Stop, Add	4,825.54
		For 2 Stops, Deduct	-10,000.00
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM, 3 Stops, 3 Openings	167,829.91
		For Each Additional Stop, Add	27,056.99
		For Each Opening With Bonderized Steel Door, Add	283.04
		For Each Opening With Stainless Steel Doors, Add	707.60
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20
		For Stainless Steel Cab Interior, Add	7,505.60
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83
		Note: Includes Labor and Equipment.	
		For 12" PVC Liner, Add Per LF	54.04
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For 12" Steel Liner, Add Per LF	84.44
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For Each Additional 50 FPM, Add	5,837.70
		For Removal Of Existing Elevator, Add	24,091.57
		For Removal Of Existing Stop, Add	4,825.54
		For 2 Stops, Deduct	-10,000.00
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM, 3 Stops, 3 Openings	169,775.81
		For Each Additional Stop, Add	27,056.99
		For Each Opening With Bonderized Steel Door, Add	283.04
		For Each Opening With Stainless Steel Doors, Add	707.60
		For Custom Plastic Laminated Cab Interiors, Add	3,752.80
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20
		For Stainless Steel Cab Interior, Add	7,505.60
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83
		Note: Includes Labor and Equipment.	
		For 12" PVC Liner, Add Per LF	54.04
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For 12" Steel Liner, Add Per LF	84.44
		Note: Liner for Hydraulic Elevator Well Hole if necessary.	
		For Each Additional 50 FPM, Add	5,837.70
		For Removal Of Existing Elevator, Add	24,091.57
		For Removal Of Existing Stop, Add	4,825.54
		For 2 Stops, Deduct	-10,000.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA		Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM, 3 Stops, 3 Openings	177,778.12	
			For Each Additional Stop, Add	27,056.99	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
			For Stainless Steel Cab Interior, Add	7,505.60	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	5,837.70	
			For Removal Of Existing Elevator, Add	24,091.57	
			For Removal Of Existing Stop, Add	4,825.54	
			For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0006	EA		Hydraulic Passenger Elevator, 4,000 Lb. x 100 FPM, 3 Stops, 3 Openings	181,048.80	
			For Each Additional Stop, Add	27,056.99	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
			For Stainless Steel Cab Interior, Add	7,505.60	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	5,837.70	
			For Removal Of Existing Elevator, Add	24,091.57	
			For Removal Of Existing Stop, Add	4,825.54	
			For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 4,500 Lb. x 100 FPM, 3 Stops, 3 Openings	185,188.26	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
			For Stainless Steel Cab Interior, Add	7,505.60	
			For Each Additional Stop, Add	28,472.19	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	5,837.70	
			For Removal Of Existing Elevator, Add	24,091.57	
			For Removal Of Existing Stop, Add	4,825.54	
			For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 5,000 Lb. x 100 FPM, 3 Stops, 3 Openings	189,859.59	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Each Opening With Two Speed Doors, Add	849.12	
			For Custom Plastic Laminated Cab Interiors, Add	3,752.80	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,629.20	
			For Stainless Steel Cab Interior, Add	7,505.60	
			For Each Additional Stop, Add	28,472.19	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	334.83	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	54.04	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	84.44	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	5,837.70	
			For Removal Of Existing Elevator, Add	24,091.57	
			For Removal Of Existing Stop, Add	4,825.54	
			For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0009			Twin Holeless Hydraulic Passenger Elevator (14 24 23)		
			Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.		
14 24 23 00-0010	EA		Twin Holeless Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM	141,156.59	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Custom Plastic Laminated Cab Interiors, Add	3,283.70	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,691.00	
			For Stainless Steel Cab Interior, Add	5,629.20	
			For Removal Of Existing Elevator, Add	24,091.57	
			For Each Additional Stop, Add	28,844.91	
			For An Additional 25 FPM, Add	2,384.61	
14 24 23 00-0011	EA		Twin Holeless Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM	146,352.76	
			For Each Opening With Bonderized Steel Door, Add	283.04	
			For Each Opening With Stainless Steel Doors, Add	707.60	
			For Custom Plastic Laminated Cab Interiors, Add	3,283.70	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,691.00	
			For Stainless Steel Cab Interior, Add	5,629.20	
			For Removal Of Existing Elevator, Add	24,091.57	
			For Each Additional Stop, Add	28,844.91	
			For An Additional 25 FPM, Add	2,384.61	

14 Conveying Equipment**14 20 Elevators****14 24 Hydraulic Elevators**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

14 24 23 00-0012	EA	Twin Holeless Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM	151,352.75	
		For Each Opening With Bonderized Steel Door, Add	283.04	
		For Each Opening With Stainless Steel Doors, Add	707.60	
		For Custom Plastic Laminated Cab Interiors, Add	3,283.70	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,691.00	
		For Stainless Steel Cab Interior, Add	5,629.20	
		For Removal Of Existing Elevator, Add	24,091.57	
		For Each Additional Stop, Add	28,844.91	
		For An Additional 25 FPM, Add	2,384.61	
14 24 23 00-0013	EA	Twin Holeless Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM	174,788.83	
		For Each Opening With Bonderized Steel Door, Add	283.04	
		For Each Opening With Stainless Steel Doors, Add	707.60	
		For Custom Plastic Laminated Cab Interiors, Add	3,283.70	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,691.00	
		For Stainless Steel Cab Interior, Add	5,629.20	
		For Removal Of Existing Elevator, Add	24,091.57	
		For Each Additional Stop, Add	28,844.91	
		For An Additional 25 FPM, Add	2,384.61	

14 26 Limited-Use/Limited-Application Elevators ^(14 20)**14 26 00 00-0001 Small Elevators (LULA)** ^(14 26)

14 26 00 00-0002	EA	Small Elevators (LULA), 1,400 Lb. x 30 FPM, 2 Stops, 2 Openings	102,962.13	
		Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
		For Each Additional Stop, Add	17,564.39	
		For Removal Of Existing Elevator, Add	7,233.48	

14 27 Custom Elevator Cabs and Doors ^(14 20)**14 27 13 Custom Elevator Cab Finishes** ^(14 27)**14 27 13 00-0001 Custom Elevator Cab Finish Options** ^(14 27 13)

Note: Review elevator task modifiers for additional cab finishes.

14 27 13 00-0002	EA	Intercom Service	1,640.66	
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14 27 13 00-0003 Custom Elevator Hall Finish Options ^(14 27 13)

14 27 13 00-0004	EA	Stainless Steel Door, Hall Finishes	1,799.80	
14 27 13 00-0005	EA	Stainless Steel Frames, Hall Finishes	1,891.31	
14 27 13 00-0006	EA	Hall Lantern, Signal Devices	1,017.93	

14 27 16 Custom Elevator Doors ^(14 27)**14 27 16 00-0001 Custom Elevator Door Options** ^(14 27 16)

14 27 16 00-0002	EA	Center Opening, 1 Speed Doors	3,968.03	
14 27 16 00-0003	EA	Center Opening, 2 Speed Doors	5,005.19	
14 27 16 00-0004	EA	Rear Opening Doors (Opposite Front)	6,866.00	
14 27 16 00-0005	EA	Side Opening, 2 Speed Doors	10,740.13	
14 27 16 00-0006	EA	Bi-Parting Doors	11,978.02	
14 27 16 00-0007	EA	Power Operated Door And Gate	35,100.81	

14 28 Elevator Equipment and Controls ^(14 20)**14 28 16 Elevator Controls** ^(14 28)**14 28 16 00-0001 Passenger Or Freight Elevator Options** ^(14 28 16)

14 28 16 00-0002	EA	2 Car Group, Elevator Automatic Controls	9,851.93	1,364.03
14 28 16 00-0003	EA	3 Car Group, Elevator Automatic Controls	14,905.95	2,044.57
14 28 16 00-0004	EA	4 Car Group, Elevator Automatic Controls	22,655.60	2,726.07
14 28 16 00-0005	EA	5 Car Group, Elevator Automatic Controls	31,528.35	3,459.98
14 28 16 00-0006	EA	6 Car Group, Elevator Automatic Controls	43,293.97	4,089.08
14 28 16 00-0007	EA	Duplex Care Selective Collective	9,232.57	
14 28 16 00-0008	EA	Automatic Emergency Power Switching	5,907.53	
14 28 16 00-0009	EA	Manual Emergency Power Switching	1,011.83	
14 28 16 00-0010	EA	Up To 3, Position Indicator, Signal Devices	244.14	
14 28 16 00-0011	EA	>3, Position Indicator, Signal Devices	205.68	
14 28 16 00-0012	EA	High Speed Heavy-Duty Door Opener	3,355.55	
14 28 16 00-0013	EA	Variable Voltage, Overhead Gearless Machine, Minimum	59,926.22	
14 28 16 00-0014	EA	Variable Voltage, Overhead Gearless Machine, Average	97,889.91	
14 28 16 00-0015	EA	Variable Voltage, Overhead Gearless Machine, Maximum	135,674.08	
14 28 16 00-0016	EA	Variable Voltage, Basement Installed Geared Machine, Minimum	25,298.43	
14 28 16 00-0017	EA	Variable Voltage, Basement Installed Geared Machine, Average	30,911.35	
14 28 16 00-0018	EA	Variable Voltage, Basement Installed Geared Machine, Maximum	34,083.87	

14 30 Escalators and Moving Walks ⁽¹⁴⁾**14 31 Escalators** ^(14 30)**14 31 00 00-0001 Stainless Steel Escalator Construction** ^(14 31)

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 31 00 00-0002	EA	Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height.....	164,379.87	14,532.88
14 31 00 00-0003	EA	Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height.....	182,213.97	17,175.23
14 31 00 00-0004	EA	Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height.....	198,466.22	19,817.58
14 31 00 00-0005	EA	Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height.....	219,502.53	23,781.09
14 31 00 00-0006	EA	Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height.....	242,342.03	26,423.43
14 31 00 00-0007	EA	Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height.....	173,813.19	15,457.71
14 31 00 00-0008	EA	Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height.....	193,040.38	18,496.41
14 31 00 00-0009	EA	Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height.....	209,279.73	21,138.74
14 31 00 00-0010	EA	Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height.....	235,987.23	26,555.55
14 31 00 00-0011	EA	Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height.....	254,224.13	28,537.31
14 31 00 00-0012	EA	Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height.....	183,681.78	16,382.53
14 31 00 00-0013	EA	Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height.....	204,637.98	19,817.58
14 31 00 00-0014	EA	Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height.....	220,489.86	22,459.92
14 31 00 00-0015	EA	Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height.....	253,620.44	28,008.84
14 31 00 00-0016	EA	Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height.....	269,161.12	30,651.18
14 31 00 00-0017	EA	Escalator Fire Shutter Fusible Link.....	24,145.49	528.47

14 40 Lifts ^(14 40)

14 41 People Lifts ^(14 40)

14 41 16 Endless-Belt People Lifts ^(14 41)

14 41 16 00-0001 Personnel Lifts Electrically Operated ^(14 41 16)

Note: 1 Or 2 person lift by vertical belt with attached foot platforms average of 36" diameter openings.

14 41 16 00-0002	EA	Personnel Lifts, Electric, 1-2 Person, 3 Stops.....	29,221.30	
		For An Additional Stop, Add	834.80	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	3,506.56	
14 41 16 00-0003	EA	Personnel Lifts, Electric, 1-2 Person, 5 Stops.....	30,739.29	
		For An Additional Stop, Add	834.80	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	3,688.71	
14 41 16 00-0004	EA	Personnel Lifts, Electric, 1-2 Person, 7 Stops.....	32,257.28	
		For An Additional Stop, Add	834.80	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	3,870.87	

14 41 19 Stairway Chairlifts ^(14 41)

14 41 19 00-0001 Chair Lift-Stair Climber ^(14 41 19)

Note: Includes landing, rails, lifting device and gates.

14 41 19 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity.....	8,147.36	1,177.77
		Note: Includes top and bottom call button, safety chair, track, and power unit.		

14 42 Wheelchair Lifts ^(14 40)

14 42 13 Inclined Wheelchair Lifts ^(14 42)

14 42 13 00-0001 Inclined Platform Wheelchair Lift-Stair Climber ^(14 42 13)

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity.....	15,174.68	1,766.64
		Note: Includes top and bottom call button, safety chair, track, and power unit.		

14 42 16 Vertical Wheelchair Lifts ^(14 42)

14 42 16 00-0001 Wheelchair Lift (Shorty) ^(14 42 16)

14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift.....	10,533.67	824.44
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For Accordion Safety Skirt, Add	1,193.28	
		For Removable Handrails, Add	121.61	
		For Power Operated Ramp, Add	1,064.07	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift.....	12,954.27	1,030.54
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	714.45	
		For 3,000 Lb. Capacity, Add	1,193.28	
		For 4,000 Lb. Capacity, Add	1,786.12	
		For Accordion Safety Skirt, Add	1,193.28	
		For Removable Handrails, Add	121.61	
		For Power Operated Ramp, Add	1,064.07	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift.....	15,433.69	1,339.71
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	714.45	
		For 3,000 Lb. Capacity, Add	1,193.28	
		For 4,000 Lb. Capacity, Add	1,786.12	
		For Accordion Safety Skirt, Add	1,193.28	
		For Removable Handrails, Add	121.61	
		For Power Operated Ramp, Add	1,064.07	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift.....	17,337.47	1,545.81
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	714.45	
		For 3,000 Lb. Capacity, Add	1,193.28	
		For 4,000 Lb. Capacity, Add	1,786.12	
		For Accordion Safety Skirt, Add	1,193.28	
		For Removable Handrails, Add	121.61	
		For Power Operated Ramp, Add	1,064.07	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift.....	17,985.80	736.10
		Note: 500 Lb. capacity, interior installation.		

14	14	Conveying Equipment
	14 40	Lifts
	14 42	Wheelchair Lifts



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 90 Other Conveying Equipment⁽¹⁴⁾

14 91 Facility Chutes^(14 90)

14 91 82 Trash Chutes^(14 91)

14 91 82 00-0001 Trash Chutes^(14 91 82)

14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	37.84	5.20
		For Aluminum, Add	2.79	
		For Stainless Steel, Add	9.77	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	48.57	5.20
		For Aluminum, Add	3.78	
		For Stainless Steel, Add	13.22	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	53.56	6.50
		For Aluminum, Add	4.19	
		For Stainless Steel, Add	14.65	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	81.64	6.50
		For Aluminum, Add	6.90	
		For Stainless Steel, Add	24.14	
14 91 82 00-0006	EA	Trash Chutes, Hopper.....	801.47	36.40
		For Aluminum, Add	72.82	
		For Stainless Steel, Add	254.88	
14 91 82 00-0007	EA	Trash Chutes, Skylight.....	396.60	71.49
		For Aluminum, Add	25.33	
		For Stainless Steel, Add	88.65	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	275.63	77.98
		For Aluminum, Add	11.08	
		For Stainless Steel, Add	38.79	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	73.94	27.29
		For Aluminum, Add	1.90	
		For Stainless Steel, Add	6.65	
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit.....	674.61	97.48
		For Aluminum, Add	46.86	
		For Stainless Steel, Add	164.01	
14 91 82 00-0011	EA	Hopper Doors	1,551.87	77.27

14 92 Pneumatic Tube Systems^(14 90)

14 92 00 00-0001 Pneumatic Tube Station; Swisslog^(14 92)

14 92 00 00-0002	LF	4" Pneumatic Tube	77.71	20.55
14 92 00 00-0003	LF	6" Pneumatic Tube	98.05	25.68
14 92 00 00-0004	EA	4" 90 Degree Bend	396.03	44.94
14 92 00 00-0005	EA	6" 90 Degree Bend	554.75	51.36
14 92 00 00-0006	EA	4" PRV Bend.....	475.90	67.41
14 92 00 00-0007	EA	6" PRV Bend.....	671.86	77.04
14 92 00 00-0008	EA	Vacuum Bypass Valve	2,703.33	321.00
14 92 00 00-0009	EA	Blower Assembly For 4" Tube.....	26,720.31	642.00
14 92 00 00-0010	EA	Blower Assembly For 6" Tube.....	32,430.25	770.40
14 92 00 00-0011	EA	Recessed Receiving Station For 4" Tube	16,677.44	963.00
14 92 00 00-0012	EA	Recessed Receiving Station For 6" Tube	18,861.47	1,155.60
14 92 00 00-0013	EA	Wall Mount Receiving Station For 4" Tube	14,877.71	642.00
14 92 00 00-0014	EA	Wall Mount Receiving Station For 6" Tube	16,375.51	770.40
14 92 00 00-0015	EA	2 Out Transfer Unit For 4" Tube	11,257.28	706.20
14 92 00 00-0016	EA	2 Out Transfer Unit For 6" Tube.....	12,064.75	770.40
14 92 00 00-0017	EA	4 Out Transfer Unit For 4" Tube.....	13,315.95	963.00
14 92 00 00-0018	EA	4 Out Transfer Unit For 6" Tube.....	13,948.76	1,027.20
14 92 00 00-0019	EA	6 Out Transfer Unit For 4" Tube.....	16,177.96	1,284.00
14 92 00 00-0020	EA	6 Out Transfer Unit For 6" Tube.....	17,049.11	1,348.20
14 92 00 00-0021	EA	T.E.U. Assembly For 4" Tube	4,522.21	160.50
14 92 00 00-0022	EA	T.E.U. Assembly For 6" Tube	5,136.52	256.80
14 92 00 00-0023	EA	Security Door	1,794.76	
14 92 00 00-0024	EA	SB-101 Control Panel	4,403.68	385.20
14 92 00 00-0025	LF	Pneumatic Tube Hanging Material.....	14.72	2.57

END OF SECTION 14

		Fire Suppression	21
		Operation and Maintenance of Fire Suppression	21 01
		Operation and Maintenance of Water-Based Fire-Suppression Systems	21 01 10
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression ⁽²¹⁾

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems ^(21 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ^(21 01 10)

21 01 10 91-0001	Relocate Sprinkler Head And Branch Piping ^(21 01 10 91)	
	See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).	
21 01 10 91-0002	EA Relocate 1 Existing Sprinkler Head And Branch Piping.....	483.91
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0003	EA Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping.....	290.35
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0004	EA Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping.....	116.14
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0005	EA Relocate >10 Existing Sprinkler Heads And Branch Piping.....	58.07
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	
21 01 10 91-0006	Purge And Refill System Sprinkler Piping ^(21 01 10 91)	
	Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.	
21 01 10 91-0007	EA Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	426.97
21 01 10 91-0008	EA >100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	609.80
21 01 10 91-0009	EA >250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	730.66
21 01 10 91-0010	EA >500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	913.32
21 01 10 91-0011	EA >1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	1,187.32
21 01 10 91-0012	LF >2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....	0.59
21 01 10 91-0013	EA Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	597.76
21 01 10 91-0014	EA >100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	853.73
21 01 10 91-0015	EA >250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,022.92
21 01 10 91-0016	EA >500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,278.65
21 01 10 91-0017	EA >1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,662.25
21 01 10 91-0018	LF >2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	0.84
21 01 10 91-0019	EA Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	821.92
21 01 10 91-0020	EA >100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,173.87
21 01 10 91-0021	EA >250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,406.52
21 01 10 91-0022	EA >500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,758.15
21 01 10 91-0023	EA >1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,285.59
21 01 10 91-0024	LF >2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....	1.15
21 01 10 91-0025	EA Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,109.59
21 01 10 91-0026	EA >100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,584.72
21 01 10 91-0027	EA >250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1,682.33
21 01 10 91-0028	EA >500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,102.90
21 01 10 91-0029	EA >1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	2,733.78
21 01 10 91-0030	LF >2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....	1.37

21 01 30 Operation and Maintenance of Fire-Suppression Equipment ^(21 01)

21 01 30 91 Fire-Suppression Equipment Restoration ^(21 01 30)

21 01 30 91-0001	Inspection And Recharge ^(21 01 30 91)	
21 01 30 91-0002	EA Inspection, CO2, Carbon Dioxide.....	208.08
21 01 30 91-0003	LB Refill/Recharge, CO2, Carbon Dioxide.....	3.00
21 01 30 91-0004	EA Inspection, Halon 1301.....	208.08
21 01 30 91-0005	LB Refill/Recharge, Halon 1301.....	71.96
21 01 30 91-0006	EA Inspection, WC, Wet Chemical.....	125.82
21 01 30 91-0007	GAL Refill/Recharge, WC, Wet Chemical.....	67.46
21 01 30 91-0008	EA Inspection, DC, Dry Chemical.....	125.82
21 01 30 91-0009	LB Refill/Recharge, DC, Dry Chemical.....	6.00
21 01 30 91-0010	EA Hydrostatic Testing, All Sizes, All Agents.....	38.72
	See CSI section 23 05 93 00-0046 for testing existing piping systems.	
21 01 30 91-0011	EA Disarm/Arm System.....	67.75

21 05 Common Work Results for Fire Suppression ⁽²¹⁾

21 05 13 Common Motor Requirements for Fire-Suppression Equipment ^(21 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping ^(21 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems ^(21 05)

21 Fire Suppression**21 05 Common Work Results for Fire Suppression****21 05 19 Meters and Gages for Fire-Suppression Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge (21 05 19)

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge	48.39	12.46
		Note: For fire sprinkler systems		
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	50.32	12.46
		Note: For fire sprinkler systems		
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge	59.32	12.46
		Note: For fire sprinkler systems		
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge	63.02	12.46
		Note: For fire sprinkler systems		
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge	66.72	12.46
		Note: For fire sprinkler systems		

21 05 19 00-0007 Fire Service Meter Cast Iron Housing (21 05 19)

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	9,935.69	203.05
		For >10 To 25, Deduct	-496.78	
		For >25, Deduct	-1,464.94	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	20,316.48	340.40
		For >10 To 25, Deduct	-1,015.82	
		For >25, Deduct	-3,004.81	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	27,494.47	480.64
		For >10 To 25, Deduct	-1,374.72	
		For >25, Deduct	-4,063.88	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	35,873.28	614.16
		For >10 To 25, Deduct	-1,793.66	
		For >25, Deduct	-5,304.70	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	50,620.98	747.67
		For >10 To 25, Deduct	-2,531.05	
		For >25, Deduct	-7,499.69	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping

(21 05)

See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 23 00-0001 TESTanDRAIN® Valve (21 05 23)

21 05 23 00-0002	EA	1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600)	241.92	14.36
21 05 23 00-0003	EA	1" Threaded TESTanDRAIN® Valve (AGF 1000)	272.94	17.35
21 05 23 00-0004	EA	1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000)	333.49	21.93
21 05 23 00-0005	EA	1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000)	523.09	25.32
21 05 23 00-0006	EA	2" Threaded TESTanDRAIN® Valve (AGF 1000)	548.91	29.91
21 05 23 00-0007	EA	1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	385.64	17.35
21 05 23 00-0008	EA	1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	445.10	21.93
21 05 23 00-0009	EA	1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	638.09	25.32
21 05 23 00-0010	EA	2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	666.97	29.91

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment (21 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 33 Heat Tracing for Fire-Suppression Piping (21 05)

See CSI section 23 83 13 13-0000 for heat tracing cables.

21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment (21 05)**21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment (21 05 48)**

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment (21 05)

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation (21)**21 07 16 Fire-Suppression Equipment Insulation (21 07)**

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation (21 07)

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems (21)

See CSI section 22 11 16 00-0383 for copper pipe, 22 11 16 00-0927 for CPVC pipe, 23 05 23 00-0309 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping (21 10)**21 11 19 Fire-Department Connections (21 11)****21 11 19 00-0001 Fire Department Connections (21 11 19)**

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,033.44	321.06
		For Polished Chrome, Add	68.38	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,445.62	401.33
		For Polished Chrome, Add	104.67	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass <i>For Polished Chrome, Add</i>	1,547.20 132.58	321.06
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass <i>For Polished Chrome, Add</i>	2,048.50 180.03	401.33
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass..... <i>For Polished Chrome, Add</i>	2,195.87 198.45	401.33
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass..... <i>For Polished Chrome, Add</i>	1,867.65 153.05	424.76
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass..... <i>For Polished Chrome, Add</i>	1,188.89 87.81	321.06
21 11 19 00-0009 Fire Department Connection Wall Plate (21 11 19)				
21 11 19 00-0010	EA	2-1/2" IPS Brass Fire Department Connection Wall Plate	107.76	24.93
21 11 19 00-0011	EA	2-1/2" IPS Aluminum Brass Fire Department Connection Wall Plate	81.91	24.93
21 11 19 00-0012	EA	2-1/2" IPS Chrome Plated Brass Fire Department Connection Wall Plate.....	111.34	24.93
21 11 19 00-0013	EA	2-1/2" IPS Chrome Plated Aluminum Brass Fire Department Connection Wall Plate.....	77.90	24.93
21 11 19 00-0014	EA	4" IPS x 10" Outside Diameter Polished Brass Fire Department Connection Wall Plate.....	171.55	29.91
21 11 19 00-0015	EA	4" IPS x 10" Outside Diameter Chrome Plated Brass Fire Department Connection Wall Plate.....	227.85	29.91
21 11 19 00-0016 Wall Type Indicator Post, Wheel Operated (21 11 19)				
See CSI section 33 14 19 00-0266 for adjustable indicator post accessory for ground valves.				
21 11 19 00-0017	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773).....	3,025.62	340.40
21 12 Fire-Suppression Standpipes (21 10)				
See CSI section 23 21 13 23-0000 for black steel pipe.				
21 12 13 Fire-Suppression Hoses and Nozzles (21 12)				
21 12 13 00-0001 Fire Hose (21 12 13)				
21 12 13 00-0002 Fire Hose Without Couplings (21 12 13 00-0001)				
21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.53	1.94
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.95	1.94
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.68	1.94
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.14	1.94
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings.....	2.86	1.94
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings.....	3.56	1.94
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings.....	2.96	1.94
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings.....	3.78	1.94
21 12 13 00-0011 Fire Hose With Aluminum Couplings (21 12 13 00-0001)				
21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	7.79	1.07
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	9.84	1.26
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	17.28	1.26
21 12 13 00-0015 Fire Hose Accessories (21 12 13 00-0001)				
21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug.....	168.44	31.94
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug.....	261.13	35.81
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle.....	88.55	25.17
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle.....	181.14	25.17
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	143.02	25.17
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	207.79	25.17
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack.....	300.38	106.46
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack.....	427.85	106.46
21 12 23 Fire-Suppression Hose Valves (21 12)				
21 12 23 00-0001 Standpipe Valves (21 12 23)				
21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain..... <i>For Polished Chrome, Add</i>	942.30 93.10	212.38
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	1,676.97 203.30	212.29
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	2,217.31 280.40	229.63
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass	2,735.65 362.10	212.29
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass	3,237.64 433.45	229.63
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass..... <i>For Polished Chrome, Add</i>	1,564.45 186.42	212.29
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass..... <i>For Polished Chrome, Add</i>	2,393.76 306.86	229.63
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	3,157.76 339.09	219.16
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass..... <i>For Polished Chrome, Add</i>	4,607.52 508.63	243.49
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	3,410.92 369.46	219.16
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	4,988.95 554.40	243.49

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 12 Fire-Suppression Standpipes**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 21 12 23 00-0013 EA 2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass..... 7,697.41 292.15
For Polished Chrome, Add 725.47
21 12 23 00-0014 Fire Hose Angle Valves (21 12 23)
 21 12 23 00-0015 EA 1-1/2", 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve..... 223.74 26.13
 21 12 23 00-0016 EA 1-1/2", 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve 270.15 26.13
 21 12 23 00-0017 EA 1-1/2", 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve..... 253.27 26.13
 21 12 23 00-0018 EA 1-1/2", 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve..... 299.68 26.13
 21 12 23 00-0019 EA 2-1/2", 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve..... 399.93 43.55
 21 12 23 00-0020 EA 2-1/2", 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve 467.42 43.55
 21 12 23 00-0021 EA 2-1/2", 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve..... 473.05 43.55
 21 12 23 00-0022 EA 2-1/2", 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve..... 540.55 43.55
21 12 23 00-0023 Fire Hose Valve Cap And Chain (21 12 23)
 21 12 23 00-0024 EA 1-1/2" Cast Brass, Fire Hose Valve Cap And Chain 43.85 9.97
 21 12 23 00-0025 EA 1-1/2" Polished Brass, Fire Hose Valve Cap And Chain 70.56 9.97
 21 12 23 00-0026 EA 1-1/2" Rough Chrome Plated, Fire Hose Valve Cap And Chain 62.13 9.97
 21 12 23 00-0027 EA 1-1/2" Polished Chrome Plated, Fire Hose Valve Cap And Chain 83.22 9.97
 21 12 23 00-0028 EA 1-1/2" Aluminum Brass Fire Hose Valve Cap And Chain..... 29.41 9.97
 21 12 23 00-0029 EA 2-1/2" Cast Brass, Fire Hose Valve Cap And Chain 69.93 12.46
 21 12 23 00-0030 EA 2-1/2" Polished Brass, Fire Hose Valve Cap And Chain 93.84 12.46
 21 12 23 00-0031 EA 2-1/2" Rough Chrome Plated, Fire Hose Valve Cap And Chain 89.62 12.46
 21 12 23 00-0032 EA 2-1/2" Polished Chrome Plated, Fire Hose Valve Cap And Chain 113.52 12.46
 21 12 23 00-0033 EA 2-1/2" Aluminum Brass Fire Hose Valve Cap And Chain..... 39.20 12.46
 21 12 23 00-0034 EA 3" Cast Brass, Fire Hose Valve Cap And Chain 111.30 13.46
 21 12 23 00-0035 EA 3" Polished Brass, Fire Hose Valve Cap And Chain 142.24 13.46
 21 12 23 00-0036 EA 3" Rough Chrome Plated, Fire Hose Valve Cap And Chain 132.40 13.46
 21 12 23 00-0037 EA 3" Polished Chrome Plated, Fire Hose Valve Cap And Chain 164.74 13.46
21 12 29 Fire-Suppression Fire Hose Equipment (21 12)**21 12 29 00-0001 Standpipe And Fire Hose Equipment (21 12 29)**
 21 12 29 00-0002 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass 2,771.54 526.47
 21 12 29 00-0003 EA Water Motor Gong 965.08 149.15
 21 12 29 00-0004 EA Water Motor Gong With Retard Chamber Assembly 2,028.19 182.68
 21 12 29 00-0005 EA Fire Riser Flow Switch (National Fire Protection Association 13) 864.70 17.35
 21 12 29 00-0006 EA Water Flow Supervisory (Tammer) Switch Mounted On Valve 242.33 29.68
 21 12 29 00-0007 EA Spare Sprinkler Head Box For 3 Heads..... 39.28 11.41
 Note: Excludes spare sprinkler heads.
 21 12 29 00-0008 EA Spare Sprinkler Head Box For 6 Heads..... 39.53 11.41
 Note: Excludes spare sprinkler heads.
 21 12 29 00-0009 EA Spare Sprinkler Head Box For 12 Heads..... 42.38 11.41
 Note: Excludes spare sprinkler heads.
21 12 29 00-0010 Water Flow Detector (21 12 29)**21 12 29 00-0011 Pressure-Type Water Flow Detector (21 12 29 00-0010)**
 21 12 29 00-0012 EA Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe 373.10 91.33
 21 12 29 00-0013 EA Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe 544.00 121.02
 21 12 29 00-0014 EA Pressure-Type Water Flow Detector For >4" To 8" Pipe 872.13 137.00
21 12 29 00-0015 Vane-Type Water Flow Detector (21 12 29 00-0010)
 21 12 29 00-0016 EA Vane-Type Water Flow Detector For Up To 2-1/2" Pipe 476.14 91.33
 21 12 29 00-0017 EA Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe 670.23 121.02
 21 12 29 00-0018 EA Vane-Type Water Flow Detector For >4" To 8" Pipe 1,072.23 137.00
21 13 Fire-Suppression Sprinkler Systems (21 10)**21 13 13 Wet-Pipe Sprinkler Systems (21 13)****21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies (21 13 13)**

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc.) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies (21 13 13 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0003	EA		Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 659.15 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Copper Pipe, Add	83.36	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-116.32	
			For Up To 5, Add	294.69	
			For >5 To 10, Add	178.37	
			For >10 To 20, Add	112.46	
			For >20 To 40, Add	48.47	
			For >100 To 150, Deduct	-65.92	
			For >150, Deduct	-131.83	
21 13 13 00-0004	EA		Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 834.30 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Copper Pipe, Add	102.30	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-144.01	
			For Up To 5, Add	379.41	
			For >5 To 10, Add	235.40	
			For >10 To 20, Add	151.97	
			For >20 To 40, Add	64.56	
			For >100 To 150, Deduct	-83.43	
			For >150, Deduct	-166.86	
			For Work In Restricted Working Space, Add	137.07	
21 13 13 00-0005 Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies (21 13 13 00-0001)					
21 13 13 00-0006	EA		Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 644.83 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Copper Pipe, Add	81.37	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-113.60	
			For Up To 5, Add	288.51	
			For >5 To 10, Add	174.91	
			For >10 To 20, Add	110.45	
			For >20 To 40, Add	47.56	
			For >100 To 150, Deduct	-64.46	
			For >150, Deduct	-128.93	
21 13 13 00-0007	EA		Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 813.43 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Copper Pipe, Add	99.47	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-140.14	
			For Up To 5, Add	370.46	
			For >5 To 10, Add	230.32	
			For >10 To 20, Add	148.98	
			For >20 To 40, Add	63.22	
			For >100 To 150, Deduct	-81.34	
			For >150, Deduct	-162.69	
			For Work In Restricted Working Space, Add	135.27	
21 13 13 00-0008 Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies (21 13 13 00-0001)					
21 13 13 00-0009	EA		Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 595.12 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Copper Pipe, Add	74.99	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-104.75	
			For Up To 5, Add	266.60	
			For >5 To 10, Add	161.85	
			For >10 To 20, Add	102.34	
			For >20 To 40, Add	44.03	
			For >100 To 150, Deduct	-59.51	
			For >150, Deduct	-119.02	
21 13 13 00-0010	EA		Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly 752.61 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Copper Pipe, Add	91.89	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-129.52	
			For Up To 5, Add	343.05	
			For >5 To 10, Add	213.53	
			For >10 To 20, Add	138.27	
			For >20 To 40, Add	58.63	
			For >100 To 150, Deduct	-75.26	
			For >150, Deduct	-150.52	
			For Work In Restricted Working Space, Add	126.01	
21 13 13 00-0011 Wet Pipe Sprinkler Components (21 13 13)					
Note: Excludes hydraulic calculations.					
21 13 13 00-0012 Wet Pipe Alarm Check Valves (21 13 13 00-0011)					
Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.					
21 13 13 00-0013	EA		2-1/2" Wet Pipe Alarm Check Valve 1,997.28		125.58
21 13 13 00-0014	EA		3" Wet Pipe Alarm Check Valve 2,033.81		143.85
21 13 13 00-0015	EA		4" Wet Pipe Alarm Check Valve 2,234.76		244.33
21 13 13 00-0016	EA		6" Wet Pipe Alarm Check Valve 2,121.80		308.26
21 13 13 00-0017	EA		8" Wet Pipe Alarm Check Valve 3,868.83		390.46
21 13 13 00-0018 Wet Pipe Valve Trim (21 13 13 00-0011)					
Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.					
21 13 13 00-0019	EA		2-1/2" Wet Pipe Valve Trim..... 1,329.54		265.79
21 13 13 00-0020	EA		3" Wet Pipe Valve Trim..... 1,401.94		265.79
21 13 13 00-0021	EA		4" Wet Pipe Valve Trim..... 1,697.11		364.43

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 13 00-0022	EA	6" Wet Pipe Valve Trim.....	2,006.98	506.91
21 13 13 00-0023	EA	8" Wet Pipe Valve Trim.....	2,207.93	627.47
21 13 13 00-0024 Wet Pipe Sprinkler Heads (21 13 13 00-0011)				
21 13 13 00-0025 Upright Wet Pipe Sprinkler Heads (21 13 13 00-0024)				
21 13 13 00-0026	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	82.06	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-6.28	
		For >100 To 500, Deduct	-11.35	
		For >500 To 1,000, Deduct	-22.17	
		For >1,000, Deduct	-30.88	
21 13 13 00-0027	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	85.99	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-6.48	
		For >100 To 500, Deduct	-11.84	
		For >500 To 1,000, Deduct	-22.88	
		For >1,000, Deduct	-31.59	
21 13 13 00-0028	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	88.49	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-6.60	
		For >100 To 500, Deduct	-12.15	
		For >500 To 1,000, Deduct	-23.33	
		For >1,000, Deduct	-32.04	
21 13 13 00-0029	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	84.03	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-6.38	
		For >100 To 500, Deduct	-11.59	
		For >500 To 1,000, Deduct	-22.53	
		For >1,000, Deduct	-31.24	
21 13 13 00-0030	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	88.11	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-6.58	
		For >100 To 500, Deduct	-12.10	
		For >500 To 1,000, Deduct	-23.26	
		For >1,000, Deduct	-31.97	
21 13 13 00-0031	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	90.71	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-6.71	
		For >100 To 500, Deduct	-12.43	
		For >500 To 1,000, Deduct	-23.73	
		For >1,000, Deduct	-32.44	
21 13 13 00-0032	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	109.71	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-7.66	
		For >100 To 500, Deduct	-14.80	
		For >500 To 1,000, Deduct	-27.15	
		For >1,000, Deduct	-35.86	
21 13 13 00-0033	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	120.23	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-8.19	
		For >100 To 500, Deduct	-16.12	
		For >500 To 1,000, Deduct	-29.04	
		For >1,000, Deduct	-37.75	
21 13 13 00-0034	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	109.71	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-7.66	
		For >100 To 500, Deduct	-14.80	
		For >500 To 1,000, Deduct	-27.15	
		For >1,000, Deduct	-35.86	
21 13 13 00-0035	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	120.23	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-8.19	
		For >100 To 500, Deduct	-16.12	
		For >500 To 1,000, Deduct	-29.04	
		For >1,000, Deduct	-37.75	
21 13 13 00-0036	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	96.10	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-6.98	
		For >100 To 500, Deduct	-13.10	
		For >500 To 1,000, Deduct	-24.70	
		For >1,000, Deduct	-33.41	
21 13 13 00-0037	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	101.24	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-7.24	
		For >100 To 500, Deduct	-13.74	
		For >500 To 1,000, Deduct	-25.63	
		For >1,000, Deduct	-34.34	
21 13 13 00-0038	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	95.23	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-7.18	
		For >100 To 500, Deduct	-13.11	
		For >500 To 1,000, Deduct	-25.37	
		For >1,000, Deduct	-35.05	
21 13 13 00-0039	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	101.23	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-7.48	
		For >100 To 500, Deduct	-13.86	
		For >500 To 1,000, Deduct	-26.45	
		For >1,000, Deduct	-36.13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0040 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	102.45	12.09
For >25 To 50, Deduct	-2.42	
For >50 To 100, Deduct	-7.54	
For >100 To 500, Deduct	-14.02	
For >500 To 1,000, Deduct	-26.67	
For >1,000, Deduct	-36.35	
21 13 13 00-0041 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	95.23	12.09
For >25 To 50, Deduct	-2.42	
For >50 To 100, Deduct	-7.18	
For >100 To 500, Deduct	-13.11	
For >500 To 1,000, Deduct	-25.37	
For >1,000, Deduct	-35.05	
21 13 13 00-0042 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	101.23	12.09
For >25 To 50, Deduct	-2.42	
For >50 To 100, Deduct	-7.48	
For >100 To 500, Deduct	-13.86	
For >500 To 1,000, Deduct	-26.45	
For >1,000, Deduct	-36.13	
21 13 13 00-0043 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	102.45	12.09
For >25 To 50, Deduct	-2.42	
For >50 To 100, Deduct	-7.54	
For >100 To 500, Deduct	-14.02	
For >500 To 1,000, Deduct	-26.67	
For >1,000, Deduct	-36.35	
21 13 13 00-0044 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head.....	93.39	10.88
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.85	
For >100 To 500, Deduct	-12.76	
For >500 To 1,000, Deduct	-24.21	
For >1,000, Deduct	-32.92	
21 13 13 00-0045 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	97.31	10.88
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-7.04	
For >100 To 500, Deduct	-13.25	
For >500 To 1,000, Deduct	-24.92	
For >1,000, Deduct	-33.63	
21 13 13 00-0046 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	98.07	10.88
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-7.08	
For >100 To 500, Deduct	-13.35	
For >500 To 1,000, Deduct	-25.06	
For >1,000, Deduct	-33.77	
21 13 13 00-0047 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head.....	93.39	10.88
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-6.85	
For >100 To 500, Deduct	-12.76	
For >500 To 1,000, Deduct	-24.21	
For >1,000, Deduct	-32.92	
21 13 13 00-0048 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	97.31	10.88
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-7.04	
For >100 To 500, Deduct	-13.25	
For >500 To 1,000, Deduct	-24.92	
For >1,000, Deduct	-33.63	
21 13 13 00-0049 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	98.07	10.88
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-7.08	
For >100 To 500, Deduct	-13.35	
For >500 To 1,000, Deduct	-25.06	
For >1,000, Deduct	-33.77	
21 13 13 00-0050 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head.....	98.06	10.88
For >25 To 50, Deduct	-2.18	
For >50 To 100, Deduct	-7.08	
For >100 To 500, Deduct	-13.35	
For >500 To 1,000, Deduct	-25.05	
For >1,000, Deduct	-33.76	
21 13 13 00-0051 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head.....	137.30	12.09
For >25 To 50, Deduct	-2.42	
For >50 To 100, Deduct	-9.28	
For >100 To 500, Deduct	-18.37	
For >500 To 1,000, Deduct	-32.94	
For >1,000, Deduct	-42.62	
21 13 13 00-0052 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	141.81	12.09
For >25 To 50, Deduct	-2.42	
For >50 To 100, Deduct	-9.51	
For >100 To 500, Deduct	-18.94	
For >500 To 1,000, Deduct	-33.75	
For >1,000, Deduct	-43.43	
21 13 13 00-0053 EA 3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	141.81	12.09
For >25 To 50, Deduct	-2.42	
For >50 To 100, Deduct	-9.51	
For >100 To 500, Deduct	-18.94	
For >500 To 1,000, Deduct	-33.75	
For >1,000, Deduct	-43.43	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 13 00-0054	EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	106.87	12.09
	For >25 To 50, Deduct	-2.42	
	For >50 To 100, Deduct	-7.76	
	For >100 To 500, Deduct	-14.57	
	For >500 To 1,000, Deduct	-27.46	
	For >1,000, Deduct	-37.14	
21 13 13 00-0055	EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	109.96	12.09
	For >25 To 50, Deduct	-2.42	
	For >50 To 100, Deduct	-7.92	
	For >100 To 500, Deduct	-14.95	
	For >500 To 1,000, Deduct	-28.02	
	For >1,000, Deduct	-37.70	
21 13 13 00-0056	EA 3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	109.96	12.09
	For >25 To 50, Deduct	-2.42	
	For >50 To 100, Deduct	-7.92	
	For >100 To 500, Deduct	-14.95	
	For >500 To 1,000, Deduct	-28.02	
	For >1,000, Deduct	-37.70	
21 13 13 00-0057	EA 1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	364.94	10.88
	For >25 To 50, Deduct	-2.18	
	For >50 To 100, Deduct	-20.42	
	For >100 To 500, Deduct	-46.71	
	For >500 To 1,000, Deduct	-73.09	
	For >1,000, Deduct	-81.80	
21 13 13 00-0058	EA 3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	401.64	12.09
	For >25 To 50, Deduct	-2.42	
	For >50 To 100, Deduct	-22.50	
	For >100 To 500, Deduct	-51.41	
	For >500 To 1,000, Deduct	-80.52	
	For >1,000, Deduct	-90.20	
21 13 13 00-0059	EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	184.28	10.88
	For >25 To 50, Deduct	-2.18	
	For >50 To 100, Deduct	-11.39	
	For >100 To 500, Deduct	-24.12	
	For >500 To 1,000, Deduct	-40.57	
	For >1,000, Deduct	-49.28	
21 13 13 00-0060	EA 1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	231.35	10.88
	For >25 To 50, Deduct	-2.18	
	For >50 To 100, Deduct	-13.75	
	For >100 To 500, Deduct	-30.01	
	For >500 To 1,000, Deduct	-49.05	
	For >1,000, Deduct	-57.76	
21 13 13 00-0061	EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	428.17	10.88
	For >25 To 50, Deduct	-2.18	
	For >50 To 100, Deduct	-23.59	
	For >100 To 500, Deduct	-54.61	
	For >500 To 1,000, Deduct	-84.47	
	For >1,000, Deduct	-93.18	
21 13 13 00-0062	EA 1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	550.83	10.88
	For >25 To 50, Deduct	-2.18	
	For >50 To 100, Deduct	-29.72	
	For >100 To 500, Deduct	-69.94	
	For >500 To 1,000, Deduct	-106.55	
	For >1,000, Deduct	-115.26	
21 13 13 00-0063	EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	236.19	12.09
	For >25 To 50, Deduct	-2.42	
	For >50 To 100, Deduct	-14.23	
	For >100 To 500, Deduct	-30.73	
	For >500 To 1,000, Deduct	-50.74	
	For >1,000, Deduct	-60.42	
21 13 13 00-0064	EA 3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	237.61	12.09
	For >25 To 50, Deduct	-2.42	
	For >50 To 100, Deduct	-14.30	
	For >100 To 500, Deduct	-30.91	
	For >500 To 1,000, Deduct	-51.00	
	For >1,000, Deduct	-60.67	

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads (21 13 13 00-0024)

21 13 13 00-0066	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	82.06	10.88
	For >25 To 50, Deduct	-2.18	
	For >50 To 100, Deduct	-6.28	
	For >100 To 500, Deduct	-11.35	
	For >500 To 1,000, Deduct	-22.17	
	For >1,000, Deduct	-30.88	
21 13 13 00-0067	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	85.99	10.88
	For >25 To 50, Deduct	-2.18	
	For >50 To 100, Deduct	-6.48	
	For >100 To 500, Deduct	-11.84	
	For >500 To 1,000, Deduct	-22.88	
	For >1,000, Deduct	-31.59	
21 13 13 00-0068	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	88.49	10.88
	For >25 To 50, Deduct	-2.18	
	For >50 To 100, Deduct	-6.60	
	For >100 To 500, Deduct	-12.15	
	For >500 To 1,000, Deduct	-23.33	
	For >1,000, Deduct	-32.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0069	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	96.63	12.09	
		For >25 To 50, Deduct	-2.42		
		For >50 To 100, Deduct	-7.25		
		For >100 To 500, Deduct	-13.29		
		For >500 To 1,000, Deduct	-25.62		
		For >1,000, Deduct	-35.30		
21 13 13 00-0070	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	101.23	12.09	
		For >25 To 50, Deduct	-2.42		
		For >50 To 100, Deduct	-7.48		
		For >100 To 500, Deduct	-13.86		
		For >500 To 1,000, Deduct	-26.45		
		For >1,000, Deduct	-36.13		
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	101.94	12.09	
		For >25 To 50, Deduct	-2.42		
		For >50 To 100, Deduct	-7.52		
		For >100 To 500, Deduct	-13.95		
		For >500 To 1,000, Deduct	-26.58		
		For >1,000, Deduct	-36.25		
21 13 13 00-0072	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head.....	364.94	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-20.42		
		For >100 To 500, Deduct	-46.71		
		For >500 To 1,000, Deduct	-73.09		
		For >1,000, Deduct	-81.80		
21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads (21 13 13 00-0024)					
See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.					
21 13 13 00-0074	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	82.06	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.28		
		For >100 To 500, Deduct	-11.35		
		For >500 To 1,000, Deduct	-22.17		
		For >1,000, Deduct	-30.88		
21 13 13 00-0075	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	85.99	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.48		
		For >100 To 500, Deduct	-11.64		
		For >500 To 1,000, Deduct	-22.88		
		For >1,000, Deduct	-31.59		
21 13 13 00-0076	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	88.49	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.60		
		For >100 To 500, Deduct	-12.15		
		For >500 To 1,000, Deduct	-23.33		
		For >1,000, Deduct	-32.04		
21 13 13 00-0077	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	95.23	12.09	
		For >25 To 50, Deduct	-2.42		
		For >50 To 100, Deduct	-7.18		
		For >100 To 500, Deduct	-13.11		
		For >500 To 1,000, Deduct	-25.37		
		For >1,000, Deduct	-35.05		
21 13 13 00-0078	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	101.23	12.09	
		For >25 To 50, Deduct	-2.42		
		For >50 To 100, Deduct	-7.48		
		For >100 To 500, Deduct	-13.86		
		For >500 To 1,000, Deduct	-26.45		
		For >1,000, Deduct	-36.13		
21 13 13 00-0079	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	102.45	12.09	
		For >25 To 50, Deduct	-2.42		
		For >50 To 100, Deduct	-7.54		
		For >100 To 500, Deduct	-14.02		
		For >500 To 1,000, Deduct	-26.67		
		For >1,000, Deduct	-36.35		
21 13 13 00-0080	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	93.39	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.85		
		For >100 To 500, Deduct	-12.76		
		For >500 To 1,000, Deduct	-24.21		
		For >1,000, Deduct	-32.92		
21 13 13 00-0081	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head.....	97.31	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-7.04		
		For >100 To 500, Deduct	-13.25		
		For >500 To 1,000, Deduct	-24.92		
		For >1,000, Deduct	-33.63		
21 13 13 00-0082	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.07	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-7.08		
		For >100 To 500, Deduct	-13.35		
		For >500 To 1,000, Deduct	-25.06		
		For >1,000, Deduct	-33.77		
21 13 13 00-0083	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	93.39	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.85		
		For >100 To 500, Deduct	-12.76		
		For >500 To 1,000, Deduct	-24.21		
		For >1,000, Deduct	-32.92		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
21 13 13 00-0084	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	97.31		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-7.04		
	For >100 To 500, Deduct	-13.25		
	For >500 To 1,000, Deduct	-24.92		
	For >1,000, Deduct	-33.63		
21 13 13 00-0085	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.07		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-7.08		
	For >100 To 500, Deduct	-13.35		
	For >500 To 1,000, Deduct	-25.06		
	For >1,000, Deduct	-33.77		
21 13 13 00-0086	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	93.39		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-6.85		
	For >100 To 500, Deduct	-12.76		
	For >500 To 1,000, Deduct	-24.21		
	For >1,000, Deduct	-32.92		
21 13 13 00-0087	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	97.31		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-7.04		
	For >100 To 500, Deduct	-13.25		
	For >500 To 1,000, Deduct	-24.92		
	For >1,000, Deduct	-33.63		
21 13 13 00-0088	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	98.07		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-7.08		
	For >100 To 500, Deduct	-13.35		
	For >500 To 1,000, Deduct	-25.06		
	For >1,000, Deduct	-33.77		
21 13 13 00-0089	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	82.06		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-6.28		
	For >100 To 500, Deduct	-11.35		
	For >500 To 1,000, Deduct	-22.17		
	For >1,000, Deduct	-30.88		
21 13 13 00-0090	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	85.99		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-6.48		
	For >100 To 500, Deduct	-11.84		
	For >500 To 1,000, Deduct	-22.88		
	For >1,000, Deduct	-31.59		
21 13 13 00-0091	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	88.49		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-6.60		
	For >100 To 500, Deduct	-12.15		
	For >500 To 1,000, Deduct	-23.33		
	For >1,000, Deduct	-32.04		
21 13 13 00-0092	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	84.04		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-6.38		
	For >100 To 500, Deduct	-11.59		
	For >500 To 1,000, Deduct	-22.53		
	For >1,000, Deduct	-31.24		
21 13 13 00-0093	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	86.81		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-6.52		
	For >100 To 500, Deduct	-11.94		
	For >500 To 1,000, Deduct	-23.03		
	For >1,000, Deduct	-31.74		
21 13 13 00-0094	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	89.34		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-6.64		
	For >100 To 500, Deduct	-12.26		
	For >500 To 1,000, Deduct	-23.48		
	For >1,000, Deduct	-32.19		
21 13 13 00-0095	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	98.94		12.09
	For >25 To 50, Deduct	-2.42		
	For >50 To 100, Deduct	-7.37		
	For >100 To 500, Deduct	-13.58		
	For >500 To 1,000, Deduct	-26.04		
	For >1,000, Deduct	-35.71		
21 13 13 00-0096	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	104.02		12.09
	For >25 To 50, Deduct	-2.42		
	For >50 To 100, Deduct	-7.62		
	For >100 To 500, Deduct	-14.21		
	For >500 To 1,000, Deduct	-26.95		
	For >1,000, Deduct	-36.63		
21 13 13 00-0097	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	104.02		12.09
	For >25 To 50, Deduct	-2.42		
	For >50 To 100, Deduct	-7.62		
	For >100 To 500, Deduct	-14.21		
	For >500 To 1,000, Deduct	-26.95		
	For >1,000, Deduct	-36.63		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0098	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	96.10	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.98		
		For >100 To 500, Deduct	-13.10		
		For >500 To 1,000, Deduct	-24.70		
		For >1,000, Deduct	-33.41		
21 13 13 00-0099	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	101.24	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-7.24		
		For >100 To 500, Deduct	-13.74		
		For >500 To 1,000, Deduct	-25.63		
		For >1,000, Deduct	-34.34		
21 13 13 00-0100	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	108.93	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-7.62		
		For >100 To 500, Deduct	-14.71		
		For >500 To 1,000, Deduct	-27.01		
		For >1,000, Deduct	-35.72		
21 13 13 00-0101	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	117.35	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-8.05		
		For >100 To 500, Deduct	-15.76		
		For >500 To 1,000, Deduct	-28.53		
		For >1,000, Deduct	-37.24		
21 13 13 00-0102	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	108.93	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-7.62		
		For >100 To 500, Deduct	-14.71		
		For >500 To 1,000, Deduct	-27.01		
		For >1,000, Deduct	-35.72		
21 13 13 00-0103	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	117.35	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-8.05		
		For >100 To 500, Deduct	-15.76		
		For >500 To 1,000, Deduct	-28.53		
		For >1,000, Deduct	-37.24		
21 13 13 00-0104	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	89.47	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.65		
		For >100 To 500, Deduct	-12.27		
		For >500 To 1,000, Deduct	-23.51		
		For >1,000, Deduct	-32.22		
21 13 13 00-0105	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	93.88	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.87		
		For >100 To 500, Deduct	-12.82		
		For >500 To 1,000, Deduct	-24.30		
		For >1,000, Deduct	-33.01		
21 13 13 00-0106	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	96.19	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.99		
		For >100 To 500, Deduct	-13.11		
		For >500 To 1,000, Deduct	-24.72		
		For >1,000, Deduct	-33.43		
21 13 13 00-0107	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	97.09	12.09	
		For >25 To 50, Deduct	-2.42		
		For >50 To 100, Deduct	-7.27		
		For >100 To 500, Deduct	-13.35		
		For >500 To 1,000, Deduct	-25.70		
		For >1,000, Deduct	-35.38		
21 13 13 00-0108	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	101.45	12.09	
		For >25 To 50, Deduct	-2.42		
		For >50 To 100, Deduct	-7.49		
		For >100 To 500, Deduct	-13.89		
		For >500 To 1,000, Deduct	-26.49		
		For >1,000, Deduct	-36.17		
21 13 13 00-0109	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	105.67	12.09	
		For >25 To 50, Deduct	-2.42		
		For >50 To 100, Deduct	-7.70		
		For >100 To 500, Deduct	-14.42		
		For >500 To 1,000, Deduct	-27.25		
		For >1,000, Deduct	-36.92		
21 13 13 00-0110	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	91.96	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.78		
		For >100 To 500, Deduct	-12.58		
		For >500 To 1,000, Deduct	-23.96		
		For >1,000, Deduct	-32.67		
21 13 13 00-0111	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	96.28	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.99		
		For >100 To 500, Deduct	-13.12		
		For >500 To 1,000, Deduct	-24.73		
		For >1,000, Deduct	-33.44		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 13 00-0112	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.64	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-7.11	
		For >100 To 500, Deduct	-13.42	
		For >500 To 1,000, Deduct	-25.16	
		For >1,000, Deduct	-33.87	
21 13 13 00-0113	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	98.94	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-7.37	
		For >100 To 500, Deduct	-13.58	
		For >500 To 1,000, Deduct	-26.04	
		For >1,000, Deduct	-35.71	
21 13 13 00-0114	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	103.48	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-7.59	
		For >100 To 500, Deduct	-14.14	
		For >500 To 1,000, Deduct	-26.85	
		For >1,000, Deduct	-36.53	
21 13 13 00-0115	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	107.87	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-7.81	
		For >100 To 500, Deduct	-14.69	
		For >500 To 1,000, Deduct	-27.64	
		For >1,000, Deduct	-37.32	
21 13 13 00-0116	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	160.72	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-10.21	
		For >100 To 500, Deduct	-21.18	
		For >500 To 1,000, Deduct	-36.33	
		For >1,000, Deduct	-45.04	
21 13 13 00-0117	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	160.72	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-10.21	
		For >100 To 500, Deduct	-21.18	
		For >500 To 1,000, Deduct	-36.33	
		For >1,000, Deduct	-45.04	
21 13 13 00-0118	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	111.38	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-7.99	
		For >100 To 500, Deduct	-15.13	
		For >500 To 1,000, Deduct	-28.27	
		For >1,000, Deduct	-37.95	
21 13 13 00-0119	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	114.71	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-8.16	
		For >100 To 500, Deduct	-15.55	
		For >500 To 1,000, Deduct	-28.87	
		For >1,000, Deduct	-38.55	
21 13 13 00-0120	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	114.71	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-8.16	
		For >100 To 500, Deduct	-15.55	
		For >500 To 1,000, Deduct	-28.87	
		For >1,000, Deduct	-38.55	
21 13 13 00-0121	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	106.87	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-7.76	
		For >100 To 500, Deduct	-14.57	
		For >500 To 1,000, Deduct	-27.46	
		For >1,000, Deduct	-37.14	
21 13 13 00-0122	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	109.96	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-7.92	
		For >100 To 500, Deduct	-14.95	
		For >500 To 1,000, Deduct	-28.02	
		For >1,000, Deduct	-37.70	
21 13 13 00-0123	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	109.96	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-7.92	
		For >100 To 500, Deduct	-14.95	
		For >500 To 1,000, Deduct	-28.02	
		For >1,000, Deduct	-37.70	
21 13 13 00-0124	EA	1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	364.94	10.88
		For >25 To 50, Deduct	-2.18	
		For >50 To 100, Deduct	-20.42	
		For >100 To 500, Deduct	-46.71	
		For >500 To 1,000, Deduct	-73.09	
		For >1,000, Deduct	-81.80	
21 13 13 00-0125	EA	3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	401.64	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-22.50	
		For >100 To 500, Deduct	-51.41	
		For >500 To 1,000, Deduct	-80.52	
		For >1,000, Deduct	-90.20	

			Fire Suppression	21	
			Water-Based Fire-Suppression Systems	21 10	
			Fire-Suppression Sprinkler Systems	21 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0126	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendant Brass Wet Pipe Sprinkler Head	184.28	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-11.39		
		For >100 To 500, Deduct	-24.12		
		For >500 To 1,000, Deduct	-40.57		
		For >1,000, Deduct	-49.28		
21 13 13 00-0127	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendant Chrome Wet Pipe Sprinkler Head	231.35	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-13.75		
		For >100 To 500, Deduct	-30.01		
		For >500 To 1,000, Deduct	-49.05		
		For >1,000, Deduct	-57.76		
21 13 13 00-0128	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendant Brass Wet Pipe Sprinkler Head	428.17	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-23.59		
		For >100 To 500, Deduct	-54.61		
		For >500 To 1,000, Deduct	-84.47		
		For >1,000, Deduct	-93.18		
21 13 13 00-0129	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendant Chrome Wet Pipe Sprinkler Head	550.83	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-29.72		
		For >100 To 500, Deduct	-69.94		
		For >500 To 1,000, Deduct	-106.55		
		For >1,000, Deduct	-115.26		
21 13 13 00-0130	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendant Brass Wet Pipe Sprinkler Head	236.19	12.09	
		For >25 To 50, Deduct	-2.42		
		For >50 To 100, Deduct	-14.23		
		For >100 To 500, Deduct	-30.73		
		For >500 To 1,000, Deduct	-50.74		
		For >1,000, Deduct	-60.42		
21 13 13 00-0131	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendant Chrome Wet Pipe Sprinkler Head	237.61	12.09	
		For >25 To 50, Deduct	-2.42		
		For >50 To 100, Deduct	-14.30		
		For >100 To 500, Deduct	-30.91		
		For >500 To 1,000, Deduct	-51.00		
		For >1,000, Deduct	-60.67		
21 13 13 00-0132		Sidewall Wet Pipe Sprinkler Heads (21 13 13 00-0024)			
21 13 13 00-0133		Horizontal Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)			
21 13 13 00-0134	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	87.93	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.57		
		For >100 To 500, Deduct	-12.08		
		For >500 To 1,000, Deduct	-23.23		
		For >1,000, Deduct	-31.94		
21 13 13 00-0135	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	91.07	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.73		
		For >100 To 500, Deduct	-12.47		
		For >500 To 1,000, Deduct	-23.80		
		For >1,000, Deduct	-32.51		
21 13 13 00-0136	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	96.04	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.98		
		For >100 To 500, Deduct	-13.09		
		For >500 To 1,000, Deduct	-24.69		
		For >1,000, Deduct	-33.40		
21 13 13 00-0137	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	89.70	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.66		
		For >100 To 500, Deduct	-12.30		
		For >500 To 1,000, Deduct	-23.55		
		For >1,000, Deduct	-32.26		
21 13 13 00-0138	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	92.90	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-6.82		
		For >100 To 500, Deduct	-12.70		
		For >500 To 1,000, Deduct	-24.13		
		For >1,000, Deduct	-32.84		
21 13 13 00-0139	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	97.97	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-7.08		
		For >100 To 500, Deduct	-13.34		
		For >500 To 1,000, Deduct	-25.04		
		For >1,000, Deduct	-33.75		
21 13 13 00-0140	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	101.24	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-7.24		
		For >100 To 500, Deduct	-13.74		
		For >500 To 1,000, Deduct	-25.63		
		For >1,000, Deduct	-34.34		
21 13 13 00-0141	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	106.35	10.88	
		For >25 To 50, Deduct	-2.18		
		For >50 To 100, Deduct	-7.50		
		For >100 To 500, Deduct	-14.38		
		For >500 To 1,000, Deduct	-26.55		
		For >1,000, Deduct	-35.26		

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
21 13 13 00-0142	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	108.67		12.09
	For >25 To 50, Deduct	-2.42		
	For >50 To 100, Deduct	-7.85		
	For >100 To 500, Deduct	-14.79		
	For >500 To 1,000, Deduct	-27.79		
	For >1,000, Deduct	-37.46		
21 13 13 00-0143	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	116.34		12.09
	For >25 To 50, Deduct	-2.42		
	For >50 To 100, Deduct	-8.24		
	For >100 To 500, Deduct	-15.75		
	For >500 To 1,000, Deduct	-29.17		
	For >1,000, Deduct	-38.85		
21 13 13 00-0144	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	112.27		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-7.79		
	For >100 To 500, Deduct	-15.12		
	For >500 To 1,000, Deduct	-27.61		
	For >1,000, Deduct	-36.32		
21 13 13 00-0145	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	117.35		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-8.05		
	For >100 To 500, Deduct	-15.76		
	For >500 To 1,000, Deduct	-28.53		
	For >1,000, Deduct	-37.24		
21 13 13 00-0146	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	112.27		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-7.79		
	For >100 To 500, Deduct	-15.12		
	For >500 To 1,000, Deduct	-27.61		
	For >1,000, Deduct	-36.32		
21 13 13 00-0147	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	117.35		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-8.05		
	For >100 To 500, Deduct	-15.76		
	For >500 To 1,000, Deduct	-28.53		
	For >1,000, Deduct	-37.24		
21 13 13 00-0148	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	85.25		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-6.44		
	For >100 To 500, Deduct	-11.75		
	For >500 To 1,000, Deduct	-22.75		
	For >1,000, Deduct	-31.46		
21 13 13 00-0149	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	87.85		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-6.57		
	For >100 To 500, Deduct	-12.07		
	For >500 To 1,000, Deduct	-23.22		
	For >1,000, Deduct	-31.93		
21 13 13 00-0150	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	91.08		10.88
	For >25 To 50, Deduct	-2.18		
	For >50 To 100, Deduct	-6.73		
	For >100 To 500, Deduct	-12.47		
	For >500 To 1,000, Deduct	-23.80		
	For >1,000, Deduct	-32.51		
21 13 13 00-0151	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	93.14		12.09
	For >25 To 50, Deduct	-2.42		
	For >50 To 100, Deduct	-7.08		
	For >100 To 500, Deduct	-12.85		
	For >500 To 1,000, Deduct	-24.99		
	For >1,000, Deduct	-34.67		
21 13 13 00-0152	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	95.92		12.09
	For >25 To 50, Deduct	-2.42		
	For >50 To 100, Deduct	-7.22		
	For >100 To 500, Deduct	-13.20		
	For >500 To 1,000, Deduct	-25.49		
	For >1,000, Deduct	-35.17		
21 13 13 00-0153	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	98.93		12.09
	For >25 To 50, Deduct	-2.42		
	For >50 To 100, Deduct	-7.37		
	For >100 To 500, Deduct	-13.58		
	For >500 To 1,000, Deduct	-26.03		
	For >1,000, Deduct	-35.71		
21 13 13 00-0154	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	95.34		12.09
	For >25 To 50, Deduct	-2.42		
	For >50 To 100, Deduct	-7.19		
	For >100 To 500, Deduct	-13.13		
	For >500 To 1,000, Deduct	-25.39		
	For >1,000, Deduct	-35.07		
21 13 13 00-0155	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	98.23		12.09
	For >25 To 50, Deduct	-2.42		
	For >50 To 100, Deduct	-7.33		
	For >100 To 500, Deduct	-13.49		
	For >500 To 1,000, Deduct	-25.91		
	For >1,000, Deduct	-35.59		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0156	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	101.36	12.09
			For >25 To 50, Deduct	-2.42	
			For >50 To 100, Deduct	-7.49	
			For >100 To 500, Deduct	-13.88	
			For >500 To 1,000, Deduct	-26.47	
			For >1,000, Deduct	-36.15	
21 13 13 00-0157	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	101.41	12.09
			For >25 To 50, Deduct	-2.42	
			For >50 To 100, Deduct	-7.49	
			For >100 To 500, Deduct	-13.89	
			For >500 To 1,000, Deduct	-26.48	
			For >1,000, Deduct	-36.16	
21 13 13 00-0158	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	105.68	12.09
			For >25 To 50, Deduct	-2.42	
			For >50 To 100, Deduct	-7.70	
			For >100 To 500, Deduct	-14.42	
			For >500 To 1,000, Deduct	-27.25	
			For >1,000, Deduct	-36.93	
21 13 13 00-0159	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	105.68	12.09
			For >25 To 50, Deduct	-2.42	
			For >50 To 100, Deduct	-7.70	
			For >100 To 500, Deduct	-14.42	
			For >500 To 1,000, Deduct	-27.25	
			For >1,000, Deduct	-36.93	
21 13 13 00-0160	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	189.02	10.88
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-11.63	
			For >100 To 500, Deduct	-24.72	
			For >500 To 1,000, Deduct	-41.43	
			For >1,000, Deduct	-50.14	
21 13 13 00-0161	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head.....	189.02	10.88
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-11.63	
			For >100 To 500, Deduct	-24.72	
			For >500 To 1,000, Deduct	-41.43	
			For >1,000, Deduct	-50.14	
21 13 13 00-0162	EA		1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	86.34	10.88
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-6.49	
			For >100 To 500, Deduct	-11.88	
			For >500 To 1,000, Deduct	-22.94	
			For >1,000, Deduct	-31.65	
21 13 13 00-0163	EA		1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	86.34	10.88
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-6.49	
			For >100 To 500, Deduct	-11.88	
			For >500 To 1,000, Deduct	-22.94	
			For >1,000, Deduct	-31.65	
21 13 13 00-0164	EA		1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	86.34	10.88
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-6.49	
			For >100 To 500, Deduct	-11.88	
			For >500 To 1,000, Deduct	-22.94	
			For >1,000, Deduct	-31.65	
21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)					
21 13 13 00-0166	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head.....	92.01	10.88
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-6.78	
			For >100 To 500, Deduct	-12.59	
			For >500 To 1,000, Deduct	-23.97	
			For >1,000, Deduct	-32.68	
21 13 13 00-0167	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head.....	95.92	10.88
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-6.97	
			For >100 To 500, Deduct	-13.08	
			For >500 To 1,000, Deduct	-24.67	
			For >1,000, Deduct	-33.38	
21 13 13 00-0168	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head.....	97.61	10.88
			For >25 To 50, Deduct	-2.18	
			For >50 To 100, Deduct	-7.06	
			For >100 To 500, Deduct	-13.29	
			For >500 To 1,000, Deduct	-24.97	
			For >1,000, Deduct	-33.68	
21 13 13 00-0169 Concealed Wet Pipe Sprinkler Heads (21 13 13 00-0024)					
21 13 13 00-0170 Concealed Pendant Wet-Pipe Sprinkler Heads (21 13 13 00-0169)					
21 13 13 00-0171	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead	135.13	14.52
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-2.90	
			For >50 To 100, Deduct	-9.66	
			For >100 To 500, Deduct	-18.34	
			For >500 To 1,000, Deduct	-34.20	
			For >1,000, Deduct	-45.81	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0172	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head	89.13	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-2.90	
		For >50 To 100, Deduct	-7.36	
		For >100 To 500, Deduct	-12.59	
		For >500 To 1,000, Deduct	-25.92	
		For >1,000, Deduct	-37.53	
21 13 13 00-0173	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head	90.81	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-2.90	
		For >50 To 100, Deduct	-7.44	
		For >100 To 500, Deduct	-12.80	
		For >500 To 1,000, Deduct	-26.22	
		For >1,000, Deduct	-37.83	
21 13 13 00-0174	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	118.46	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-3.15	
		For >50 To 100, Deduct	-9.07	
		For >100 To 500, Deduct	-16.38	
		For >500 To 1,000, Deduct	-32.02	
		For >1,000, Deduct	-44.60	
21 13 13 00-0175	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	113.62	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-2.90	
		For >50 To 100, Deduct	-8.58	
		For >100 To 500, Deduct	-15.65	
		For >500 To 1,000, Deduct	-30.32	
		For >1,000, Deduct	-41.94	
21 13 13 00-0176	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.62	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-2.90	
		For >50 To 100, Deduct	-8.58	
		For >100 To 500, Deduct	-15.65	
		For >500 To 1,000, Deduct	-30.32	
		For >1,000, Deduct	-41.94	
21 13 13 00-0177	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	118.46	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-3.15	
		For >50 To 100, Deduct	-9.07	
		For >100 To 500, Deduct	-16.38	
		For >500 To 1,000, Deduct	-32.02	
		For >1,000, Deduct	-44.60	
21 13 13 00-0178	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	102.86	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-2.90	
		For >50 To 100, Deduct	-8.05	
		For >100 To 500, Deduct	-14.31	
		For >500 To 1,000, Deduct	-28.39	
		For >1,000, Deduct	-40.00	
21 13 13 00-0179	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.62	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-2.90	
		For >50 To 100, Deduct	-8.58	
		For >100 To 500, Deduct	-15.65	
		For >500 To 1,000, Deduct	-30.32	
		For >1,000, Deduct	-41.94	
21 13 13 00-0180	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.62	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-2.90	
		For >50 To 100, Deduct	-8.58	
		For >100 To 500, Deduct	-15.65	
		For >500 To 1,000, Deduct	-30.32	
		For >1,000, Deduct	-41.94	
21 13 13 00-0181	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	105.40	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-2.90	
		For >50 To 100, Deduct	-8.17	
		For >100 To 500, Deduct	-14.63	
		For >500 To 1,000, Deduct	-28.84	
		For >1,000, Deduct	-40.46	
21 13 13 00-0182	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head.....	187.43	16.94
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-3.39	
		For >50 To 100, Deduct	-12.76	
		For >100 To 500, Deduct	-25.12	
		For >500 To 1,000, Deduct	-45.25	
		For >1,000, Deduct	-58.80	
21 13 13 00-0183	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	97.49	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	-2.90	
		For >50 To 100, Deduct	-7.78	
		For >100 To 500, Deduct	-13.64	
		For >500 To 1,000, Deduct	-27.42	
		For >1,000, Deduct	-39.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0184	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	101.64	15.73
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.15	
			For >50 To 100, Deduct	-8.23	
			For >100 To 500, Deduct	-14.28	
			For >500 To 1,000, Deduct	-28.99	
			For >1,000, Deduct	-41.57	
21 13 13 00-0185	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	99.00	14.52
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-2.90	
			For >50 To 100, Deduct	-7.85	
			For >100 To 500, Deduct	-13.83	
			For >500 To 1,000, Deduct	-27.69	
			For >1,000, Deduct	-39.31	
21 13 13 00-0186	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	103.84	15.73
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.15	
			For >50 To 100, Deduct	-8.34	
			For >100 To 500, Deduct	-14.55	
			For >500 To 1,000, Deduct	-29.39	
			For >1,000, Deduct	-41.97	
21 13 13 00-0187	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	119.16	15.73
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.15	
			For >50 To 100, Deduct	-9.10	
			For >100 To 500, Deduct	-16.47	
			For >500 To 1,000, Deduct	-32.14	
			For >1,000, Deduct	-44.73	
21 13 13 00-0188	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Cover Plate	222.33	16.94
			For >25 To 50, Deduct	-3.39	
			For >50 To 100, Deduct	-14.50	
			For >100 To 500, Deduct	-29.49	
			For >500 To 1,000, Deduct	-51.54	
			For >1,000, Deduct	-65.09	
21 13 13 00-0189	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Cover Plate	222.33	16.94
			For >25 To 50, Deduct	-3.39	
			For >50 To 100, Deduct	-14.50	
			For >100 To 500, Deduct	-29.49	
			For >500 To 1,000, Deduct	-51.54	
			For >1,000, Deduct	-65.09	
21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads (21 13 13 00-0189)					
21 13 13 00-0191	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	147.93	14.52
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-2.90	
			For >50 To 100, Deduct	-10.30	
			For >100 To 500, Deduct	-19.94	
			For >500 To 1,000, Deduct	-36.50	
			For >1,000, Deduct	-48.11	
21 13 13 00-0192	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	167.74	15.73
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.15	
			For >50 To 100, Deduct	-11.53	
			For >100 To 500, Deduct	-22.54	
			For >500 To 1,000, Deduct	-40.89	
			For >1,000, Deduct	-53.47	
21 13 13 00-0193	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	110.52	14.52
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-2.90	
			For >50 To 100, Deduct	-8.43	
			For >100 To 500, Deduct	-15.27	
			For >500 To 1,000, Deduct	-29.77	
			For >1,000, Deduct	-41.38	
21 13 13 00-0194	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	109.66	15.73
			Note: Excludes cover plate		
			For >25 To 50, Deduct	-3.15	
			For >50 To 100, Deduct	-8.63	
			For >100 To 500, Deduct	-15.28	
			For >500 To 1,000, Deduct	-30.43	
			For >1,000, Deduct	-43.02	
21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads (21 13 13 00-0024)					
21 13 13 00-0196	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	396.41	12.09
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-2.42	
			For >50 To 100, Deduct	-22.24	
			For >100 To 500, Deduct	-50.76	
			For >500 To 1,000, Deduct	-79.58	
			For >1,000, Deduct	-89.26	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 13 00-0197	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.	386.35	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-21.74	
		For >100 To 500, Deduct	-49.50	
		For >500 To 1,000, Deduct	-77.77	
		For >1,000, Deduct	-87.45	
21 13 13 00-0198	EA	1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	154.80	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-10.16	
		For >100 To 500, Deduct	-20.56	
		For >500 To 1,000, Deduct	-36.09	
		For >1,000, Deduct	-45.77	
21 13 13 00-0199	EA	1/2" NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	175.66	12.09
		For >25 To 50, Deduct	-2.42	
		For >50 To 100, Deduct	-11.20	
		For >100 To 500, Deduct	-23.17	
		For >500 To 1,000, Deduct	-39.85	
		For >1,000, Deduct	-49.52	

21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories (21 13 13 00-0011)**21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple (21 13 13 00-0200)**

21 13 13 00-0202	EA	1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	61.16	12.60
		For >25 To 50, Deduct	-1.05	
		For >50 To 100, Deduct	-4.11	
		For >100 To 500, Deduct	-8.17	
		For >500 To 1,000, Deduct	-14.58	
		For >1,000, Deduct	-18.78	
21 13 13 00-0203	EA	1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	61.16	12.60
		For >25 To 50, Deduct	-1.05	
		For >50 To 100, Deduct	-4.11	
		For >100 To 500, Deduct	-8.17	
		For >500 To 1,000, Deduct	-14.58	
		For >1,000, Deduct	-18.78	
21 13 13 00-0204	EA	1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150).....	61.98	12.60
		For >25 To 50, Deduct	-1.05	
		For >50 To 100, Deduct	-4.15	
		For >100 To 500, Deduct	-8.27	
		For >500 To 1,000, Deduct	-14.73	
		For >1,000, Deduct	-18.93	
21 13 13 00-0205	EA	1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150).....	53.53	12.60
		For >25 To 50, Deduct	-1.05	
		For >50 To 100, Deduct	-3.73	
		For >100 To 500, Deduct	-7.22	
		For >500 To 1,000, Deduct	-13.21	
		For >1,000, Deduct	-17.41	
21 13 13 00-0206	EA	1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150).....	53.53	12.60
		For >25 To 50, Deduct	-1.05	
		For >50 To 100, Deduct	-3.73	
		For >100 To 500, Deduct	-7.22	
		For >500 To 1,000, Deduct	-13.21	
		For >1,000, Deduct	-17.41	
21 13 13 00-0207	EA	1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150).....	53.53	12.60
		For >25 To 50, Deduct	-1.05	
		For >50 To 100, Deduct	-3.73	
		For >100 To 500, Deduct	-7.22	
		For >500 To 1,000, Deduct	-13.21	
		For >1,000, Deduct	-17.41	
21 13 13 00-0208	EA	1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175).....	60.10	13.70
		For >25 To 50, Deduct	-1.14	
		For >50 To 100, Deduct	-4.15	
		For >100 To 500, Deduct	-8.08	
		For >500 To 1,000, Deduct	-14.70	
		For >1,000, Deduct	-19.27	

21 13 13 00-0209 Sprinkler Head Escutcheon (21 13 13 00-0200)

21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	23.72	4.36
		For >25 To 50, Deduct	-0.36	
		For >50 To 100, Deduct	-1.55	
		For >100 To 500, Deduct	-3.15	
		For >500 To 1,000, Deduct	-5.50	
		For >1,000, Deduct	-6.96	
21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	-0.36	
		For >50 To 100, Deduct	-1.13	
		For >100 To 500, Deduct	-2.11	
		For >500 To 1,000, Deduct	-4.01	
		For >1,000, Deduct	-5.46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0212 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	15.41	4.36
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.13	
For >100 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-4.01	
For >1,000, Deduct	-5.46	
21 13 13 00-0213 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	23.72	4.36
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.55	
For >100 To 500, Deduct	-3.15	
For >500 To 1,000, Deduct	-5.50	
For >1,000, Deduct	-6.96	
21 13 13 00-0214 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.41	4.36
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.13	
For >100 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-4.01	
For >1,000, Deduct	-5.46	
21 13 13 00-0215 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	15.41	4.36
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.13	
For >100 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-4.01	
For >1,000, Deduct	-5.46	
21 13 13 00-0216 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	22.22	4.36
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.47	
For >100 To 500, Deduct	-2.96	
For >500 To 1,000, Deduct	-5.23	
For >1,000, Deduct	-6.69	
21 13 13 00-0217 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.41	4.36
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.13	
For >100 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-4.01	
For >1,000, Deduct	-5.46	
21 13 13 00-0218 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	15.41	4.36
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.13	
For >100 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-4.01	
For >1,000, Deduct	-5.46	
21 13 13 00-0219 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	22.22	4.36
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.47	
For >100 To 500, Deduct	-2.96	
For >500 To 1,000, Deduct	-5.23	
For >1,000, Deduct	-6.69	
21 13 13 00-0220 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.41	4.36
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.13	
For >100 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-4.01	
For >1,000, Deduct	-5.46	
21 13 13 00-0221 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	15.41	4.36
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.13	
For >100 To 500, Deduct	-2.11	
For >500 To 1,000, Deduct	-4.01	
For >1,000, Deduct	-5.46	
21 13 13 00-0222 EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon.....	22.97	4.36
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.51	
For >100 To 500, Deduct	-3.05	
For >500 To 1,000, Deduct	-5.37	
For >1,000, Deduct	-6.82	
21 13 13 00-0223 EA 3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon.....	22.97	4.36
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-1.51	
For >100 To 500, Deduct	-3.05	
For >500 To 1,000, Deduct	-5.37	
For >1,000, Deduct	-6.82	
21 13 13 00-0224 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon.....	8.17	3.20
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.65	
For >100 To 500, Deduct	-1.14	
For >500 To 1,000, Deduct	-2.29	
For >1,000, Deduct	-3.26	
21 13 13 00-0225 EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.12	3.20
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.60	
For >100 To 500, Deduct	-1.01	
For >500 To 1,000, Deduct	-2.10	
For >1,000, Deduct	-3.07	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
21 13 13 00-0226	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	7.41		3.20
	For >25 To 50, Deduct	-0.24		
	For >50 To 100, Deduct	-0.61		
	For >100 To 500, Deduct	-1.05		
	For >500 To 1,000, Deduct	-2.16		
	For >1,000, Deduct	-3.12		
21 13 13 00-0227	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	8.36		3.20
	For >25 To 50, Deduct	-0.24		
	For >50 To 100, Deduct	-0.66		
	For >100 To 500, Deduct	-1.17		
	For >500 To 1,000, Deduct	-2.33		
	For >1,000, Deduct	-3.30		
21 13 13 00-0228	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	7.31		3.20
	For >25 To 50, Deduct	-0.24		
	For >50 To 100, Deduct	-0.61		
	For >100 To 500, Deduct	-1.03		
	For >500 To 1,000, Deduct	-2.14		
	For >1,000, Deduct	-3.11		
21 13 13 00-0229	EA 2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	7.31		3.20
	For >25 To 50, Deduct	-0.24		
	For >50 To 100, Deduct	-0.61		
	For >100 To 500, Deduct	-1.03		
	For >500 To 1,000, Deduct	-2.14		
	For >1,000, Deduct	-3.11		
21 13 13 00-0230	EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	9.44		3.20
	For >25 To 50, Deduct	-0.24		
	For >50 To 100, Deduct	-0.71		
	For >100 To 500, Deduct	-1.30		
	For >500 To 1,000, Deduct	-2.52		
	For >1,000, Deduct	-3.49		
21 13 13 00-0231	EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.28		3.20
	For >25 To 50, Deduct	-0.24		
	For >50 To 100, Deduct	-0.61		
	For >100 To 500, Deduct	-1.03		
	For >500 To 1,000, Deduct	-2.13		
	For >1,000, Deduct	-3.10		
21 13 13 00-0232	EA 2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	7.28		3.20
	For >25 To 50, Deduct	-0.24		
	For >50 To 100, Deduct	-0.61		
	For >100 To 500, Deduct	-1.03		
	For >500 To 1,000, Deduct	-2.13		
	For >1,000, Deduct	-3.10		
21 13 13 00-0233	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	12.58		4.47
	For >25 To 50, Deduct	-0.34		
	For >50 To 100, Deduct	-0.97		
	For >100 To 500, Deduct	-1.74		
	For >500 To 1,000, Deduct	-3.42		
	For >1,000, Deduct	-4.77		
21 13 13 00-0234	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	12.01		4.47
	For >25 To 50, Deduct	-0.34		
	For >50 To 100, Deduct	-0.94		
	For >100 To 500, Deduct	-1.67		
	For >500 To 1,000, Deduct	-3.31		
	For >1,000, Deduct	-4.67		
21 13 13 00-0235	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	12.20		4.47
	For >25 To 50, Deduct	-0.34		
	For >50 To 100, Deduct	-0.95		
	For >100 To 500, Deduct	-1.69		
	For >500 To 1,000, Deduct	-3.35		
	For >1,000, Deduct	-4.70		
21 13 13 00-0236	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	12.77		4.47
	For >25 To 50, Deduct	-0.34		
	For >50 To 100, Deduct	-0.98		
	For >100 To 500, Deduct	-1.77		
	For >500 To 1,000, Deduct	-3.45		
	For >1,000, Deduct	-4.81		
21 13 13 00-0237	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	12.20		4.47
	For >25 To 50, Deduct	-0.34		
	For >50 To 100, Deduct	-0.95		
	For >100 To 500, Deduct	-1.69		
	For >500 To 1,000, Deduct	-3.35		
	For >1,000, Deduct	-4.70		
21 13 13 00-0238	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	12.58		4.47
	For >25 To 50, Deduct	-0.34		
	For >50 To 100, Deduct	-0.97		
	For >100 To 500, Deduct	-1.74		
	For >500 To 1,000, Deduct	-3.42		
	For >1,000, Deduct	-4.77		
21 13 13 00-0239	EA Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.81		4.36
	For >25 To 50, Deduct	-0.36		
	For >50 To 100, Deduct	-1.85		
	For >100 To 500, Deduct	-3.91		
	For >500 To 1,000, Deduct	-6.60		
	For >1,000, Deduct	-8.05		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0240	EA		Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.81	4.36
			For >25 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-1.85	
			For >100 To 500, Deduct	-3.91	
			For >500 To 1,000, Deduct	-6.60	
			For >1,000, Deduct	-8.05	
21 13 13 00-0241	EA		Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.81	4.36
			For >25 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-1.85	
			For >100 To 500, Deduct	-3.91	
			For >500 To 1,000, Deduct	-6.60	
			For >1,000, Deduct	-8.05	
21 13 13 00-0242	EA		Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.81	4.36
			For >25 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-1.85	
			For >100 To 500, Deduct	-3.91	
			For >500 To 1,000, Deduct	-6.60	
			For >1,000, Deduct	-8.05	
21 13 13 00-0243	EA		Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	29.81	4.36
			For >25 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-1.85	
			For >100 To 500, Deduct	-3.91	
			For >500 To 1,000, Deduct	-6.60	
			For >1,000, Deduct	-8.05	
21 13 13 00-0244	EA		White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	29.81	4.36
			For >25 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-1.85	
			For >100 To 500, Deduct	-3.91	
			For >500 To 1,000, Deduct	-6.60	
			For >1,000, Deduct	-8.05	
21 13 13 00-0245	EA		2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	34.97	4.36
			For >25 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-2.11	
			For >100 To 500, Deduct	-4.55	
			For >500 To 1,000, Deduct	-7.53	
			For >1,000, Deduct	-8.98	
21 13 13 00-0246	EA		2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	36.17	4.36
			For >25 To 50, Deduct	-0.36	
			For >50 To 100, Deduct	-2.17	
			For >100 To 500, Deduct	-4.70	
			For >500 To 1,000, Deduct	-7.74	
			For >1,000, Deduct	-9.20	
21 13 13 00-0247 Cover Plate For Sprinkler Heads (21 13 13 00-0200)					
21 13 13 00-0248	EA		Chrome Cover Plate For Concealed Pendent Sprinkler Head	75.28	4.93
			For >25 To 50, Deduct	-0.41	
			For >50 To 100, Deduct	-4.18	
			For >100 To 500, Deduct	-9.62	
			For >500 To 1,000, Deduct	-14.95	
			For >1,000, Deduct	-16.60	
21 13 13 00-0249	EA		White Cover Plate For Concealed Pendent Sprinkler Head	34.36	4.93
			For >25 To 50, Deduct	-0.41	
			For >50 To 100, Deduct	-2.13	
			For >100 To 500, Deduct	-4.50	
			For >500 To 1,000, Deduct	-7.58	
			For >1,000, Deduct	-9.23	
21 13 13 00-0250	EA		Specialty Cover Plate For Concealed Pendent Sprinkler Head	52.10	4.93
			For >25 To 50, Deduct	-0.41	
			For >50 To 100, Deduct	-3.02	
			For >100 To 500, Deduct	-6.72	
			For >500 To 1,000, Deduct	-10.78	
			For >1,000, Deduct	-12.42	
21 13 13 00-0251	EA		Brass Cover Plate For Concealed Sidewall Sprinkler Head	47.50	4.93
			For >25 To 50, Deduct	-0.41	
			For >50 To 100, Deduct	-2.79	
			For >100 To 500, Deduct	-6.14	
			For >500 To 1,000, Deduct	-9.95	
			For >1,000, Deduct	-11.60	
21 13 13 00-0252	EA		Chrome Cover Plate For Concealed Sidewall Sprinkler Head	37.06	4.93
			For >25 To 50, Deduct	-0.41	
			For >50 To 100, Deduct	-2.26	
			For >100 To 500, Deduct	-4.84	
			For >500 To 1,000, Deduct	-8.07	
			For >1,000, Deduct	-9.72	
21 13 13 00-0253	EA		White Cover Plate For Concealed Sidewall Sprinkler Head	37.06	4.93
			For >25 To 50, Deduct	-0.41	
			For >50 To 100, Deduct	-2.26	
			For >100 To 500, Deduct	-4.84	
			For >500 To 1,000, Deduct	-8.07	
			For >1,000, Deduct	-9.72	
21 13 13 00-0254	EA		Off-White Cover Plate For Concealed Sidewall Sprinkler Head	47.50	4.93
			For >25 To 50, Deduct	-0.41	
			For >50 To 100, Deduct	-2.79	
			For >100 To 500, Deduct	-6.14	
			For >500 To 1,000, Deduct	-9.95	
			For >1,000, Deduct	-11.60	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 13 13 00-0255	EA	Black Painted Cover Plate For Concealed Sidewall Sprinkler Head	47.50		4.93
		For >25 To 50, Deduct	-0.41		
		For >50 To 100, Deduct	-2.79		
		For >100 To 500, Deduct	-6.14		
		For >500 To 1,000, Deduct	-9.95		
		For >1,000, Deduct	-11.60		
21 13 13 00-0256	EA	Black Plated Cover Plate For Concealed Sidewall Sprinkler Head	55.77		4.93
		For >25 To 50, Deduct	-0.41		
		For >50 To 100, Deduct	-3.20		
		For >100 To 500, Deduct	-7.18		
		For >500 To 1,000, Deduct	-11.44		
		For >1,000, Deduct	-13.08		
21 13 13 00-0257	EA	Bright Brass Cover Plate For Concealed Sidewall Sprinkler Head	55.77		4.93
		For >25 To 50, Deduct	-0.41		
		For >50 To 100, Deduct	-3.20		
		For >100 To 500, Deduct	-7.18		
		For >500 To 1,000, Deduct	-11.44		
		For >1,000, Deduct	-13.08		
21 13 13 00-0258	EA	Satin Chrome Cover Plate For Concealed Sidewall Sprinkler Head	55.77		4.93
		For >25 To 50, Deduct	-0.41		
		For >50 To 100, Deduct	-3.20		
		For >100 To 500, Deduct	-7.18		
		For >500 To 1,000, Deduct	-11.44		
		For >1,000, Deduct	-13.08		
21 13 13 00-0259	EA	Specialty Cover Plate For Concealed Sidewall Sprinkler Head	47.55		4.93
		For >25 To 50, Deduct	-0.41		
		For >50 To 100, Deduct	-2.79		
		For >100 To 500, Deduct	-6.15		
		For >500 To 1,000, Deduct	-9.96		
		For >1,000, Deduct	-11.60		
21 13 13 00-0260	EA	White Cover Plate For Quick Release Concealed Sidewall Sprinkler Head	83.42		5.81
		For >25 To 50, Deduct	-0.48		
		For >50 To 100, Deduct	-4.65		
		For >100 To 500, Deduct	-10.67		
		For >500 To 1,000, Deduct	-16.66		
		For >1,000, Deduct	-18.59		
21 13 13 00-0261 Sprinkler Escutcheon Extension Tube (21 13 13 00-0200)					
21 13 13 00-0262	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	17.81		2.91
		Note: For use with 2 piece escutcheons			
		For >25 To 50, Deduct	-0.24		
		For >50 To 100, Deduct	-1.13		
		For >100 To 500, Deduct	-2.35		
		For >500 To 1,000, Deduct	-4.03		
		For >1,000, Deduct	-5.00		
21 13 13 00-0263	EA	2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	23.81		3.05
		Note: For use with 2 piece escutcheons			
		For >25 To 50, Deduct	-0.25		
		For >50 To 100, Deduct	-1.44		
		For >100 To 500, Deduct	-3.10		
		For >500 To 1,000, Deduct	-5.15		
		For >1,000, Deduct	-6.17		
21 13 13 00-0264	EA	2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	30.54		3.20
		Note: For use with 2 piece escutcheons			
		For >25 To 50, Deduct	-0.27		
		For >50 To 100, Deduct	-1.79		
		For >100 To 500, Deduct	-3.95		
		For >500 To 1,000, Deduct	-6.40		
		For >1,000, Deduct	-7.47		
21 13 13 00-0265	EA	2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube	36.55		3.34
		Note: For use with 2 piece escutcheons			
		For >25 To 50, Deduct	-0.28		
		For >50 To 100, Deduct	-2.11		
		For >100 To 500, Deduct	-4.71		
		For >500 To 1,000, Deduct	-7.53		
		For >1,000, Deduct	-8.64		
21 13 13 00-0266 Sprinkler Head Guards (21 13 13 00-0200)					
21 13 13 00-0267	EA	Universal Sprinkler Head Guard, C-1	22.77		8.71
		For >25 To 50, Deduct	-0.73		
		For >50 To 100, Deduct	-1.86		
		For >100 To 500, Deduct	-3.21		
		For >500 To 1,000, Deduct	-6.57		
		For >1,000, Deduct	-9.47		
21 13 13 00-0268	EA	Dry Pendent Sprinkler Head Guard, C-2	25.97		8.71
		For >25 To 50, Deduct	-0.73		
		For >50 To 100, Deduct	-2.02		
		For >100 To 500, Deduct	-3.61		
		For >500 To 1,000, Deduct	-7.14		
		For >1,000, Deduct	-10.05		
21 13 13 00-0269	EA	Upright Sprinkler Head Guard With Water Shield, C-3	31.42		8.71
		For >25 To 50, Deduct	-0.73		
		For >50 To 100, Deduct	-2.30		
		For >100 To 500, Deduct	-4.29		
		For >500 To 1,000, Deduct	-8.12		
		For >1,000, Deduct	-11.03		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0270	EA		Pendent Sprinkler Head Guard With Water Shield, C-5	38.14	8.71
			For >25 To 50, Deduct	-0.73	
			For >50 To 100, Deduct	-2.63	
			For >100 To 500, Deduct	-5.13	
			For >500 To 1,000, Deduct	-9.33	
			For >1,000, Deduct	-12.24	
21 13 13 00-0271	EA		Universal Sprinkler Head Guard, D-1	25.84	8.71
			For >25 To 50, Deduct	-0.73	
			For >50 To 100, Deduct	-2.02	
			For >100 To 500, Deduct	-3.59	
			For >500 To 1,000, Deduct	-7.12	
			For >1,000, Deduct	-10.02	
21 13 13 00-0272	EA		Upright Sprinkler Head Guard With Water Shield, D-3	27.92	8.71
			For >25 To 50, Deduct	-0.73	
			For >50 To 100, Deduct	-2.12	
			For >100 To 500, Deduct	-3.85	
			For >500 To 1,000, Deduct	-7.49	
			For >1,000, Deduct	-10.40	
21 13 13 00-0273	EA		Pendent Sprinkler Head Guard With Large Water Shield, D-4	43.33	8.71
			For >25 To 50, Deduct	-0.73	
			For >50 To 100, Deduct	-2.89	
			For >100 To 500, Deduct	-5.78	
			For >500 To 1,000, Deduct	-10.27	
			For >1,000, Deduct	-13.17	
21 13 13 00-0274	EA		Pendent Sprinkler Head Guard With Small Water Shield, D-5	40.24	8.71
			For >25 To 50, Deduct	-0.73	
			For >50 To 100, Deduct	-2.74	
			For >100 To 500, Deduct	-5.39	
			For >500 To 1,000, Deduct	-9.71	
			For >1,000, Deduct	-12.62	
21 13 13 00-0275 Flexible Sprinkler Piping (21 13 13 00-0011)					
Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.					
21 13 13 00-0276	EA		2' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	73.08	15.00
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.51	
			For >50 To 100, Deduct	-5.17	
			For >100 To 500, Deduct	-9.89	
			For >500 To 1,000, Deduct	-18.30	
			For >1,000, Deduct	-24.34	
21 13 13 00-0277	EA		3' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	81.21	15.48
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.59	
			For >50 To 100, Deduct	-5.65	
			For >100 To 500, Deduct	-10.95	
			For >500 To 1,000, Deduct	-20.03	
			For >1,000, Deduct	-26.40	
21 13 13 00-0278	EA		4' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	89.46	16.45
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.68	
			For >50 To 100, Deduct	-6.15	
			For >100 To 500, Deduct	-12.02	
			For >500 To 1,000, Deduct	-21.81	
			For >1,000, Deduct	-28.53	
21 13 13 00-0279	EA		5' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	97.97	17.42
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.78	
			For >50 To 100, Deduct	-6.68	
			For >100 To 500, Deduct	-13.14	
			For >500 To 1,000, Deduct	-23.68	
			For >1,000, Deduct	-30.80	
21 13 13 00-0280	EA		6' Long, 3/4" Stainless Steel Flexible Sprinkler Piping	106.71	19.36
			Note: Includes ceiling mounting bracket.		
			For >25 To 50, Deduct	-1.89	
			For >50 To 100, Deduct	-7.23	
			For >100 To 500, Deduct	-14.28	
			For >500 To 1,000, Deduct	-25.64	
			For >1,000, Deduct	-33.20	
21 13 13 00-0281 Sprinkler Emergency Cabinets (21 13 13 00-0011)					
21 13 13 00-0282	EA		3 Capacity Emergency Sprinkler Cabinet, A4	126.91	
21 13 13 00-0283	EA		6 Capacity Emergency Sprinkler Cabinet, A4	131.75	
21 13 13 00-0284	EA		12 Capacity Emergency Sprinkler Cabinet, A4	144.94	
21 13 13 00-0285	EA		12 Capacity Emergency Sprinkler Cabinet, A3	497.34	
21 13 13 00-0286	EA		Sprinkler Wrench, RC1	259.72	
21 13 13 00-0287	EA		Sprinkler Wrench, FC	258.71	
21 13 13 00-0288	EA		Sprinkler Wrench, W2	85.90	

21 13 16 Dry-Pipe Sprinkler Systems (21 13)

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 16 00-0001		Complete Dry Pipe Sprinkler Systems Assembly (21 13 16)		
		Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.		
21 13 16 00-0002		Light Hazard, Dry-Pipe Sprinkler System Assemblies (21 13 16 00-0001)		
21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	737.32	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	328.90	
		For >5 To 10, Add	158.66	
		For >10 To 20, Add	124.69	
		For >20 To 40, Add	53.85	
		For >100 To 150, Deduct	-73.73	
		For >150, Deduct	-147.46	
		For Copper Pipe, Add	93.61	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-130.48	
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	888.19	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	401.36	
		For >5 To 10, Add	204.02	
		For >10 To 20, Add	157.94	
		For >20 To 40, Add	67.45	
		For >100 To 150, Deduct	-88.82	
		For >150, Deduct	-177.64	
		For Copper Pipe, Add	110.19	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-154.60	
		For Work In Restricted Working Space, Add	138.24	
21 13 16 00-0005		Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies (21 13 16 00-0001)		
21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	714.16	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	319.21	
		For >5 To 10, Add	155.28	
		For >10 To 20, Add	121.74	
		For >20 To 40, Add	52.48	
		For >100 To 150, Deduct	-71.42	
		For >150, Deduct	-142.83	
		For Copper Pipe, Add	90.35	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-126.06	
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	862.32	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	390.45	
		For >5 To 10, Add	200.04	
		For >10 To 20, Add	154.52	
		For >20 To 40, Add	65.88	
		For >100 To 150, Deduct	-86.23	
		For >150, Deduct	-172.46	
		For Copper Pipe, Add	106.59	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-149.70	
		For Work In Restricted Working Space, Add	136.57	
21 13 16 00-0008		Extra Hazard, Dry-Pipe Sprinkler System Assemblies (21 13 16 00-0001)		
21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	671.43	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	299.83	
		For >5 To 10, Add	145.30	
		For >10 To 20, Add	114.03	
		For >20 To 40, Add	49.20	
		For >100 To 150, Deduct	-67.14	
		For >150, Deduct	-134.29	
		For Copper Pipe, Add	85.08	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-118.66	
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly	802.59	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	363.44	
		For >5 To 10, Add	186.26	
		For >10 To 20, Add	143.86	
		For >20 To 40, Add	61.33	
		For >100 To 150, Deduct	-80.26	
		For >150, Deduct	-160.52	
		For Copper Pipe, Add	99.19	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	-139.32	
		For Work In Restricted Working Space, Add	127.21	
21 13 16 00-0011		Dry-Pipe Sprinkler System Compressors (21 13 16 00-0001)		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	3,334.13	306.11
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	3,496.64	306.11
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	3,633.76	306.11
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	4,166.98	306.11

			Fire Suppression	21	
			Water-Based Fire-Suppression Systems	21 10	
			Fire-Suppression Sprinkler Systems	21 13	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 13 16 00-0016			Dry Pipe Sprinkler System Components (21 13 16)		
21 13 16 00-0017			Dry Pipe Valves (21 13 16 00-0016)		
			Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA		2-1/2" Dry Pipe Valve.....	4,268.26	188.38
21 13 16 00-0019	EA		3" Dry Pipe Valve.....	4,749.63	215.78
21 13 16 00-0020	EA		4" Dry Pipe Valve.....	5,244.72	366.48
21 13 16 00-0021	EA		6" Dry Pipe Valve.....	6,652.02	462.39
21 13 16 00-0022	EA		8" Dry Pipe Valve.....	10,240.96	465.81
21 13 16 00-0023			Dry Pipe Valve Trim (21 13 16 00-0016)		
			Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0024	EA		2-1/2" Dry Pipe Valve Trim For Accelerator and Trim, Add For Priming Chamber, Add	1,535.67 1,347.97 217.02	265.79
21 13 16 00-0025	EA		3" Dry Pipe Valve Trim..... For Accelerator and Trim, Add For Priming Chamber, Add	1,576.76 1,347.97 217.02	292.27
21 13 16 00-0026	EA		4" Dry Pipe Valve Trim..... For Accelerator and Trim, Add For Priming Chamber, Add	1,779.86 1,347.97 217.02	364.43
21 13 16 00-0027	EA		6" Dry Pipe Valve Trim..... For Accelerator and Trim, Add For Priming Chamber, Add	1,898.60 1,347.97 217.02	438.41
21 13 16 00-0028	EA		8" Dry Pipe Valve Trim..... For Accelerator and Trim, Add For Priming Chamber, Add	2,141.06 1,347.97 217.02	493.22
21 13 16 00-0029			Dry Pipe Fire Protection Air Compressors (21 13 16 00-0016)		
21 13 16 00-0030	EA		1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	1,543.01	178.21
21 13 16 00-0031	EA		3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	1,872.24	189.71
21 13 16 00-0032	EA		4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	2,395.62	202.35
21 13 16 00-0033	EA		6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	2,610.04	233.39
21 13 16 00-0034	EA		7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	3,230.48	275.93
21 13 16 00-0035	EA		11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	4,080.28	292.03
21 13 16 00-0036	EA		14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	4,943.07	303.53
21 13 16 00-0037			Dry Pipe Fire Protection Nitrogen Generator (21 13 16 00-0016)		
21 13 16 00-0038	EA		675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator.....	11,175.79	275.93
21 13 16 00-0039	EA		950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator.....	12,400.09	292.03
21 13 16 00-0040	EA		2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator.....	17,614.56	379.40
21 13 16 00-0041			Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)		
21 13 16 00-0042	EA		3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	276.48	19.17
			For >25 To 50, Deduct	-2.90	
			For >50 To 100, Deduct	-16.73	
			For >100 To 500, Deduct	-36.01	
			For >500 To 1,000, Deduct	-59.64	
			For >1,000, Deduct	-71.25	
21 13 16 00-0043	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	289.06	19.17
			For >25 To 50, Deduct	-2.90	
			For >50 To 100, Deduct	-17.36	
			For >100 To 500, Deduct	-37.58	
			For >500 To 1,000, Deduct	-61.90	
			For >1,000, Deduct	-73.52	
21 13 16 00-0044	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	301.65	19.17
			For >25 To 50, Deduct	-2.90	
			For >50 To 100, Deduct	-17.99	
			For >100 To 500, Deduct	-39.16	
			For >500 To 1,000, Deduct	-64.17	
			For >1,000, Deduct	-75.78	
21 13 16 00-0045	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	314.27	19.17
			For >25 To 50, Deduct	-2.90	
			For >50 To 100, Deduct	-18.62	
			For >100 To 500, Deduct	-40.74	
			For >500 To 1,000, Deduct	-66.44	
			For >1,000, Deduct	-78.05	
21 13 16 00-0046	EA		15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	326.86	19.17
			For >25 To 50, Deduct	-2.90	
			For >50 To 100, Deduct	-19.25	
			For >100 To 500, Deduct	-42.31	
			For >500 To 1,000, Deduct	-68.71	
			For >1,000, Deduct	-80.32	
21 13 16 00-0047	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	339.45	19.17
			For >25 To 50, Deduct	-2.90	
			For >50 To 100, Deduct	-19.88	
			For >100 To 500, Deduct	-43.88	
			For >500 To 1,000, Deduct	-70.97	
			For >1,000, Deduct	-82.59	

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
21 13 16 00-0048	EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	352.03		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-20.51		
	For >100 To 500, Deduct	-45.46		
	For >500 To 1,000, Deduct	-73.24		
	For >1,000, Deduct	-84.85		
21 13 16 00-0049	EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	364.65		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-21.14		
	For >100 To 500, Deduct	-47.03		
	For >500 To 1,000, Deduct	-75.51		
	For >1,000, Deduct	-87.12		
21 13 16 00-0050	EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	377.22		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-21.76		
	For >100 To 500, Deduct	-48.60		
	For >500 To 1,000, Deduct	-77.77		
	For >1,000, Deduct	-89.39		
21 13 16 00-0051	EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	389.82		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-22.39		
	For >100 To 500, Deduct	-50.18		
	For >500 To 1,000, Deduct	-80.04		
	For >1,000, Deduct	-91.65		
21 13 16 00-0052	EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	402.42		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-23.02		
	For >100 To 500, Deduct	-51.75		
	For >500 To 1,000, Deduct	-82.31		
	For >1,000, Deduct	-93.92		
21 13 16 00-0053	EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	415.01		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-23.65		
	For >100 To 500, Deduct	-53.33		
	For >500 To 1,000, Deduct	-84.57		
	For >1,000, Deduct	-96.19		
21 13 16 00-0054	EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	427.63		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-24.29		
	For >100 To 500, Deduct	-54.91		
	For >500 To 1,000, Deduct	-86.85		
	For >1,000, Deduct	-98.46		
21 13 16 00-0055	EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	440.19		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-24.91		
	For >100 To 500, Deduct	-56.48		
	For >500 To 1,000, Deduct	-89.11		
	For >1,000, Deduct	-100.72		
21 13 16 00-0056	EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	452.80		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-25.54		
	For >100 To 500, Deduct	-58.05		
	For >500 To 1,000, Deduct	-91.38		
	For >1,000, Deduct	-102.99		
21 13 16 00-0057 Sidewall Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)				
21 13 16 00-0058	EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	273.45		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-16.58		
	For >100 To 500, Deduct	-35.63		
	For >500 To 1,000, Deduct	-59.09		
	For >1,000, Deduct	-70.71		
21 13 16 00-0059	EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	286.06		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-17.21		
	For >100 To 500, Deduct	-37.21		
	For >500 To 1,000, Deduct	-61.36		
	For >1,000, Deduct	-72.98		
21 13 16 00-0060	EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	298.68		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-17.84		
	For >100 To 500, Deduct	-38.79		
	For >500 To 1,000, Deduct	-63.63		
	For >1,000, Deduct	-75.25		
21 13 16 00-0061	EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	311.23		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-18.47		
	For >100 To 500, Deduct	-40.36		
	For >500 To 1,000, Deduct	-65.89		
	For >1,000, Deduct	-77.51		
21 13 16 00-0062	EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	323.84		19.17
	For >25 To 50, Deduct	-2.90		
	For >50 To 100, Deduct	-19.10		
	For >100 To 500, Deduct	-41.93		
	For >500 To 1,000, Deduct	-68.16		
	For >1,000, Deduct	-79.78		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0063	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	.....	336.41	19.17
		For >25 To 50, Deduct		-2.90	
		For >50 To 100, Deduct		-19.72	
		For >100 To 500, Deduct		-43.50	
		For >500 To 1,000, Deduct		-70.43	
		For >1,000, Deduct		-82.04	
21 13 16 00-0064	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	.....	349.04	19.17
		For >25 To 50, Deduct		-2.90	
		For >50 To 100, Deduct		-20.36	
		For >100 To 500, Deduct		-45.08	
		For >500 To 1,000, Deduct		-72.70	
		For >1,000, Deduct		-84.31	
21 13 16 00-0065	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	.....	361.63	19.17
		For >25 To 50, Deduct		-2.90	
		For >50 To 100, Deduct		-20.99	
		For >100 To 500, Deduct		-46.66	
		For >500 To 1,000, Deduct		-74.97	
		For >1,000, Deduct		-86.58	
21 13 16 00-0066	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	.....	374.19	19.17
		For >25 To 50, Deduct		-2.90	
		For >50 To 100, Deduct		-21.61	
		For >100 To 500, Deduct		-48.23	
		For >500 To 1,000, Deduct		-77.23	
		For >1,000, Deduct		-88.84	
21 13 16 00-0067	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	.....	386.78	19.17
		For >25 To 50, Deduct		-2.90	
		For >50 To 100, Deduct		-22.24	
		For >100 To 500, Deduct		-49.80	
		For >500 To 1,000, Deduct		-79.49	
		For >1,000, Deduct		-91.11	
21 13 16 00-0068	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	.....	399.39	19.17
		For >25 To 50, Deduct		-2.90	
		For >50 To 100, Deduct		-22.87	
		For >100 To 500, Deduct		-51.38	
		For >500 To 1,000, Deduct		-81.76	
		For >1,000, Deduct		-93.38	
21 13 16 00-0069	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	.....	411.98	19.17
		For >25 To 50, Deduct		-2.90	
		For >50 To 100, Deduct		-23.50	
		For >100 To 500, Deduct		-52.95	
		For >500 To 1,000, Deduct		-84.03	
		For >1,000, Deduct		-95.64	
21 13 16 00-0070	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	.....	449.78	19.17
		For >25 To 50, Deduct		-2.90	
		For >50 To 100, Deduct		-25.39	
		For >100 To 500, Deduct		-57.67	
		For >500 To 1,000, Deduct		-90.83	
		For >1,000, Deduct		-102.45	
21 13 16 00-0071	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	.....	462.38	19.17
		For >25 To 50, Deduct		-2.90	
		For >50 To 100, Deduct		-26.02	
		For >100 To 500, Deduct		-59.25	
		For >500 To 1,000, Deduct		-93.10	
		For >1,000, Deduct		-104.71	
21 13 16 00-0072	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	.....	467.40	19.17
		For >25 To 50, Deduct		-2.90	
		For >50 To 100, Deduct		-26.27	
		For >100 To 500, Deduct		-59.88	
		For >500 To 1,000, Deduct		-94.00	
		For >1,000, Deduct		-105.62	

21 13 19 Preaction Sprinkler Systems (21 13)

21 13 19 00-0001 Complete Preaction Sprinkler Systems Assemblies (21 13 19)

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler System Assemblies (21 13 19 00-0001)

21 13 19 00-0003 EA Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly 661.36

Note: Includes branch pipe and fittings, supports and sprinkler heads.

For Up To 5, Add	298.09
For >5 To 10, Add	182.59
For >10 To 20, Add	116.46
For >20 To 40, Add	49.84
For >100 To 150, Deduct	-66.14
For >150, Deduct	-132.27

21 13 19 00-0004 Extra Hazard, Preaction Sprinkler System Assemblies (21 13 19 00-0001)

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly	615.60	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	277.50	
		For >5 To 10, Add	170.01	
		For >10 To 20, Add	108.45	
		For >20 To 40, Add	46.41	
		For >100 To 150, Deduct	-61.56	
		For >150, Deduct	-123.12	

21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)
 21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26)
 See CSI section 23 21 13 23-0000 for pipe and fittings.

21 13 26 00-0002 Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment (21 13 26 00-0001)

21 13 26 00-0003	EA	3" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	7,397.47	537.72
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
		For Dry-Pilot Activation, Add	632.21	
21 13 26 00-0004	EA	4" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	9,155.05	604.88
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
		For Dry-Pilot Activation, Add	794.53	
21 13 26 00-0005	EA	6" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	10,847.38	879.85
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
		For Dry-Pilot Activation, Add	908.77	
21 13 26 00-0006	EA	8" Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	18,429.15	1,057.34
		For Accelerator and Trim, Add	1,347.97	
		For Priming Chamber, Add	217.02	
		For Dry-Pilot Activation, Add	1,631.45	

21 13 39 Foam-Water Systems (21 13)

21 13 39 00-0001 Foam Control Valves And Monitors (21 13 39)

21 13 39 00-0002 Control Valves (21 13 39 00-0001)

21 13 39 00-0003	EA	3" Foam Control Valve	5,366.83	537.72
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21 13 39 00-0004 Supply Valves (21 13 39 00-0001)

21 13 39 00-0005	EA	2-1/2" Foam Supply Valve	4,547.59	604.88
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21 13 39 00-0006 Proportioners (21 13 39 00-0001)

21 13 39 00-0007	EA	8" Foam Proportioner	2,826.73	879.85
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21 13 39 00-0008 Monitors (21 13 39 00-0001)

21 13 39 00-0009	EA	Oscillating Foam Monitor	6,633.69	120.98
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21 13 41 Fire-Suppression Sprinkler Piping (21 13)

See CSI section 22 11 16 00-0013 for galvanized steel pipe and fittings, 22 11 16 00-0383 for copper pipe and fittings, 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0858 for flanged black steel pipe fittings, 23 21 13 23-1456 for grooved pipe, 23 21 13 23-1529 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.

21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41)

Note: SDR 13.5

21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe (21 13 41 00-0001)

21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.40	1.55
		For Work In Restricted Working Space, Add	1.16	
21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.52	1.64
		For Work In Restricted Working Space, Add	1.25	
21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	8.24	1.84
		For Work In Restricted Working Space, Add	1.37	
21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	10.14	2.03
		For Work In Restricted Working Space, Add	1.51	
21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	13.10	2.23
		For Work In Restricted Working Space, Add	1.68	
21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	18.06	2.51
		For Work In Restricted Working Space, Add	1.92	
21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	25.33	3.00
		For Work In Restricted Working Space, Add	2.27	

21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)

21 13 41 00-0011	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	25.22	9.29
		For Work In Restricted Working Space, Add	6.97	
21 13 41 00-0012	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	33.46	11.61
		For Work In Restricted Working Space, Add	8.74	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0013	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	41.86 10.92	14.52
21 13 41 00-0014	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	48.00 12.08	16.07
21 13 41 00-0015	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	54.56 13.47	18.01
21 13 41 00-0016	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	69.65 15.33	20.42
21 13 41 00-0017	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	85.62 18.12	24.20
21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0019	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	25.92 6.97	9.29
21 13 41 00-0020	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	32.33 8.74	11.61
21 13 41 00-0021	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	41.02 10.92	14.52
21 13 41 00-0022	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	46.65 12.08	16.07
21 13 41 00-0023	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	52.87 13.47	18.01
21 13 41 00-0024	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	65.38 15.33	20.42
21 13 41 00-0025	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	80.93 18.12	24.20
21 13 41 00-0026 Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	37.53 10.45	13.94
21 13 41 00-0028	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	49.08 13.13	17.52
21 13 41 00-0029	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	62.60 16.37	21.87
21 13 41 00-0030	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	72.19 18.12	24.20
21 13 41 00-0031	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	84.84 20.21	26.90
21 13 41 00-0032	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	105.06 23.00	30.68
21 13 41 00-0033	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	124.12 27.18	36.19
21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0035	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	45.28 12.22	16.35
21 13 41 00-0036	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	59.23 15.27	20.42
21 13 41 00-0037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	66.41 16.90	22.55
21 13 41 00-0038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	78.97 18.87	25.17
21 13 41 00-0039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	93.61 21.46	28.65
21 13 41 00-0040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	110.09 25.37	33.77
21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	50.71 13.94	18.58
21 13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	63.59 17.48	23.32
21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	80.16 21.83	29.13
21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	90.60 24.16	32.23
21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	106.43 26.95	35.90
21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	138.43 30.66	40.84
21 13 41 00-0048 Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping (21 13 41 00-0001)				
21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	17.39 4.64	6.19
21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	23.29 6.24	8.32
21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping..... <i>For Work In Restricted Working Space, Add</i>	30.93 8.19	10.93

21 Fire Suppression**21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
21 13 41 00-0052	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	35.37	12.09	
		<i>For Work In Restricted Working Space, Add</i>	9.06		
21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	40.70	13.46	
		<i>For Work In Restricted Working Space, Add</i>	10.10		
21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	49.06	15.29	
		<i>For Work In Restricted Working Space, Add</i>	11.50		
21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	59.29	18.10	
		<i>For Work In Restricted Working Space, Add</i>	13.59		
21 13 41 00-0056		Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping (21 13 41 00-0001)			
21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	8.90	3.10	
		<i>For Work In Restricted Working Space, Add</i>	2.33		
21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	14.12	5.03	
		<i>For Work In Restricted Working Space, Add</i>	3.75		
21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	16.28	5.42	
		<i>For Work In Restricted Working Space, Add</i>	4.10		
21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	18.73	6.00	
		<i>For Work In Restricted Working Space, Add</i>	4.53		
21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	22.31	6.78	
		<i>For Work In Restricted Working Space, Add</i>	5.05		
21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	27.06	7.65	
		<i>For Work In Restricted Working Space, Add</i>	5.75		
21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	35.45	9.10	
		<i>For Work In Restricted Working Space, Add</i>	6.80		
21 13 41 00-0064		Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping (21 13 41 00-0001)			
21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	24.43	9.19	
		<i>For Work In Restricted Working Space, Add</i>	6.88		
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	32.42	12.00	
		<i>For Work In Restricted Working Space, Add</i>	9.00		
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	35.83	13.25	
		<i>For Work In Restricted Working Space, Add</i>	9.96		
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	40.91	14.81	
		<i>For Work In Restricted Working Space, Add</i>	11.12		
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	48.80	16.84	
		<i>For Work In Restricted Working Space, Add</i>	12.66		
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	59.79	19.93	
		<i>For Work In Restricted Working Space, Add</i>	14.95		
21 13 41 00-0071		Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)			
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	22.01	6.78	
		<i>For Work In Restricted Working Space, Add</i>	5.11		
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	28.20	9.19	
		<i>For Work In Restricted Working Space, Add</i>	6.88		
21 13 41 00-0074		Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)			
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	22.01	6.78	
		<i>For Work In Restricted Working Space, Add</i>	5.11		
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	28.20	9.19	
		<i>For Work In Restricted Working Space, Add</i>	6.88		
21 13 41 00-0077		Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)			
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	25.53	8.32	
		<i>For Work In Restricted Working Space, Add</i>	6.27		
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	32.70	10.45	
		<i>For Work In Restricted Working Space, Add</i>	7.87		
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	34.12	10.45	
		<i>For Work In Restricted Working Space, Add</i>	7.87		
21 13 41 00-0081		Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)			
21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	41.86	13.94	
		<i>For Work In Restricted Working Space, Add</i>	10.45		
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	51.35	17.52	
		<i>For Work In Restricted Working Space, Add</i>	13.13		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0084	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	67.23	21.87
			<i>For Work In Restricted Working Space, Add</i>	16.37	
21 13 41 00-0085	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	77.09	24.20
			<i>For Work In Restricted Working Space, Add</i>	18.12	
21 13 41 00-0086	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping.....	90.81	26.90
			<i>For Work In Restricted Working Space, Add</i>	20.21	

21 20 Fire-Extinguishing Systems ⁽²¹⁾

21 21 Carbon-Dioxide Fire-Extinguishing Systems ^(21 20)

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment ^(21 21)

21 21 16 00-0001 Carbon Dioxide Cylinders ^(21 21 16)

21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 Lb.	3,003.93	262.77
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 Lb. (Each)	6,007.87	525.54
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	400.49	137.64
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	184.15	48.01
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	44.80	19.47

21 22 Clean-Agent Fire-Extinguishing Systems ^(21 20)

21 22 16 Clean-Agent Fire-Extinguishing Equipment ^(21 22)

21 22 16 00-0001 Ansul Fire Control Systems ^(21 22 16)

21 22 16 00-0002 Sapphire® Fire Suppression Systems ^(21 22 16 00-0001)

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems ^(21 22 16 00-0002)

21 22 16 00-0004	EA	20 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,749.16	89.59
		Note: 10 to 21 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0005	EA	40 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,993.93	89.59
		Note: 20 to 46 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0006	EA	80 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	2,026.11	89.59
		Note: 41 to 80 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007	EA	140 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	2,875.73	119.44
		Note: 58 to 138 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008	EA	280 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	3,037.53	119.44
		Note: 116 to 280 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009	EA	390 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	3,247.58	149.31
		Note: 161 to 388 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010	EA	450 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	3,444.87	149.31
		Note: 194 to 459 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011	EA	850 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	5,194.64	179.16
		Note: 375 to 851 Lb. tank capacity. Excludes Sapphire agent.		
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230)	43.71	179.16
		Note: Add to empty tank cost.		

21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems ^(21 22 16 00-0002)

21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	167.66	14.93
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	171.83	14.93
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	182.28	14.93
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	189.59	14.93
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	200.02	14.93
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	231.33	14.93
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	167.66	14.93
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	171.83	14.93
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	182.28	14.93
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	189.59	14.93
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	200.02	14.93
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	231.33	14.93

21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System ^(21 22 16 00-0002)

21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	15.40	4.48
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811).....	17.20	4.48
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	23.84	10.45
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	55.11	13.38
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142).....	81.03	13.38
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815).....	97.55	13.38
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	49.15	13.38
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	344.31	119.44
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	329.47	89.59
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	732.64	119.44

21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems ^(21 22 16 00-0002)

21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	54.92	14.93
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	59.63	14.93

21 Fire Suppression
21 20 Fire-Extinguishing Systems
21 22 Clean-Agent Fire-Extinguishing Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 22 16 00-0040		Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 Lb., 40 Lb., 50 Lb., 80 Lb., And 90 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085).....	168.93	44.79
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 Lb., 280 Lb., 390 Lb., And 450 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	178.32	44.79
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	190.33	44.79
21 22 16 00-0044		Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	447.45	47.54
21 22 16 00-0046	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	629.60	81.58
21 22 16 00-0047		Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	142.18	29.87
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	526.35	29.87
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	443.87	29.87
21 22 16 00-0051	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,938.32	119.44
21 22 16 00-0052		Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	51.38	20.91
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	90.41	20.91
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	249.09	14.93
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	322.32	14.93
21 22 16 00-0057		Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	188.86	59.72
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	186.92	25.08
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	577.52	104.51
21 22 16 00-0061		Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	666.03	20.91
21 22 16 00-0063	EA	Liquid Level Indicator For 390 Lb. And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	697.37	20.91
21 22 16 00-0064	EA	Liquid Level Indicator For 450 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	747.63	29.87
21 22 16 00-0065		Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	52.53	17.92
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	65.70	20.91
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	221.12	89.59
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	256.93	89.59
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	286.68	89.59
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	382.72	89.59
21 22 16 00-0072		Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	62.79	23.89
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	101.37	14.93
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	137.50	29.87
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	366.24	119.44
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	548.91	119.44
21 22 16 00-0078	EA	1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,829.75	119.44
21 22 16 00-0079		Inergen® Fire Suppression System (21 22 16 00-0001)		
21 22 16 00-0080		Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	198.03	29.59
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	230.05	31.80
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	411.60	57.55
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	829.06	131.07
21 22 16 00-0085		Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0086	EA	2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,979.50	172.98
21 22 16 00-0087		Components, Inergen® Fire Suppression System (21 22 16 00-0079)		
21 22 16 00-0088	EA	1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	58.85	9.07
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	691.31	97.20
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	2,152.14	304.11
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	2,052.89	309.81
21 22 16 00-0092		Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)		
		Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,796.78	278.32
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	2,038.20	315.33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0095	EA		350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,912.89	408.63
21 22 16 00-0096	EA		435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,918.90	499.34
21 22 16 00-0097	EA		250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	2,110.44	351.60
21 22 16 00-0098	EA		350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,985.66	445.03
21 22 16 00-0099	EA		435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	3,088.34	536.58
21 22 16 00-0100 Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)					
21 22 16 00-0101	EA		CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	67.80	10.12
21 22 16 00-0102	EA		CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	67.80	10.12
21 22 16 00-0103	EA		CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	81.68	11.24
21 22 16 00-0104	EA		Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	1,291.84	193.14
21 22 16 00-0105 Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)					
21 22 16 00-0106	EA		13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502)	21.74	2.96
Note: For single row 435 cubic foot cylinders.					
21 22 16 00-0107	EA		27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503)	30.84	4.23
Note: For double row 435 cubic foot cylinders.					
21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)					
21 22 16 00-0109	EA		Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	23.96	3.31
21 22 16 00-0110	EA		Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	22.17	3.31
21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)					
21 22 16 00-0112	EA		1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	96.37	14.25
21 22 16 00-0113	EA		3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	101.13	14.93
21 22 16 00-0114	EA		1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	117.47	17.24
21 22 16 00-0115	EA		1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	130.97	19.47
21 22 16 00-0116	EA		1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	150.23	22.38
21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)					
21 22 16 00-0118	EA		1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	147.61	22.06
21 22 16 00-0119	EA		3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	153.13	22.71
21 22 16 00-0120	EA		1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	141.26	21.03
21 22 16 00-0121	EA		3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	144.78	22.71
21 22 16 00-0122	EA		1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	167.93	24.98
21 22 16 00-0123	EA		1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	179.52	26.60
21 22 16 00-0124	EA		1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	193.27	28.54
21 22 16 00-0125	EA		2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	332.72	49.96
21 22 16 00-0126	EA		2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	439.91	65.53
21 22 16 00-0127	EA		3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	479.58	72.02
21 22 16 00-0128	EA		1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	171.92	25.93
21 22 16 00-0129	EA		3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	202.78	30.37
21 22 16 00-0130	EA		1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	166.87	24.98
21 22 16 00-0131	EA		3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	178.23	26.47
21 22 16 00-0132	EA		1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	179.80	26.60
21 22 16 00-0133	EA		1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	217.04	32.31
21 22 16 00-0134	EA		1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	233.94	35.03
21 22 16 00-0135	EA		2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	359.11	53.76
21 22 16 00-0136	EA		2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	419.32	62.94
21 22 16 00-0137	EA		3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	459.46	68.77
21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)					
21 22 16 00-0139	EA		1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	193.27	28.54
21 22 16 00-0140	EA		3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	237.14	35.56
21 22 16 00-0141	EA		1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	255.07	38.28
21 22 16 00-0142	EA		1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	359.11	53.76
21 22 16 00-0143	EA		1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	392.39	58.91
21 22 16 00-0144	EA		2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	461.04	68.77
21 22 16 00-0145	EA		2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	536.04	80.64
21 22 16 00-0146	EA		3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	633.76	95.38
21 22 16 00-0147	EA		2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	807.99	188.16
21 22 16 00-0148	EA		3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	1,039.16	220.61
21 22 16 00-0149	EA		4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,334.05	369.83
21 22 16 00-0150	EA		2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	788.15	188.16
21 22 16 00-0151	EA		3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	872.48	131.42
21 22 16 00-0152	EA		4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,334.05	369.83
21 22 16 00-0153	EA		2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	804.85	188.16
21 22 16 00-0154	EA		3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	906.81	136.58
21 22 16 00-0155	EA		4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,308.99	369.83
21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)					
21 22 16 00-0157	EA		3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	908.54	143.39
21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)					

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728).....	1,488.82		222.46
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492).....	2,117.31		296.43
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525).....	2,243.49		301.54
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310).....	105.06		15.33
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373).....	125.79		20.31
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939).....	1,201.44		158.71
21 22 16 00-0165		Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)			
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095).....	131.16		15.07
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096).....	137.47		15.87
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097).....	144.28		16.14
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098).....	154.76		16.68
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099).....	161.15		18.29
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100).....	162.05		19.77
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984).....	356.46		52.99
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985).....	359.65		53.53
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986).....	461.04		68.59
21 22 16 00-0175		Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)			
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704).....	167.93		24.98
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705).....	232.56		57.10
		Note: Includes saddle, padding and fasteners.			
21 22 16 00-0178		Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System (21 22 16 00-0079)			
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856).....	434.59		36.92
		Note: Includes gasket and fasteners.			
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857).....	368.08		55.12
		Note: Includes gasket and fasteners.			
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858).....	755.79		369.83
		Note: Includes gasket and fasteners.			
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859).....	230.77		34.48
		Note: Includes gasket and fasteners.			
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860).....	270.89		40.23
		Note: Includes gasket and fasteners.			
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861).....	750.51		369.83
		Note: Includes gasket and fasteners.			
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862).....	240.28		36.11
		Note: Includes gasket and fasteners.			
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863).....	281.48		42.09
		Note: Includes gasket and fasteners.			
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864).....	776.61		369.83
		Note: Includes gasket and fasteners.			
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828).....	46.60		2.74
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.			
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829).....	47.14		3.01
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.			
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830).....	50.81		3.57
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.			
21 22 16 00-0191		Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)			
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508).....	29.41		4.39
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027).....	241.66		33.36
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592).....	181.14		33.36
		Note: Includes upright, left, right and center.			
21 22 16 00-0195		Autopulse® Fire Detection And Control Equipment (21 22 16 00-0001)			
21 22 16 00-0196		Accessory Switches, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)			
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495).....	189.64		28.79
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494).....	215.55		32.81
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497).....	274.15		41.69
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496).....	295.30		44.92
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499).....	369.79		56.49
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498).....	393.56		59.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0203	EA		Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956).....	754.43	115.67
21 22 16 00-0204	EA		Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490).....	60.67	8.61
21 22 16 00-0205 Alarm Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)					
21 22 16 00-0206	EA		Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698).....	164.29	25.01
21 22 16 00-0207	EA		Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699).....	240.89	36.59
21 22 16 00-0208	EA		Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702).....	21.97	3.33
21 22 16 00-0209 Annunciators, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)					
21 22 16 00-0210	EA		80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492).....	1,893.16	290.24
21 22 16 00-0211	EA		16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496).....	1,587.01	243.16
21 22 16 00-0212	EA		16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497).....	1,231.99	188.83
21 22 16 00-0213	EA		32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500).....	1,072.98	164.35
21 22 16 00-0214	EA		Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501).....	1,072.98	164.35
21 22 16 00-0215	EA		Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502).....	859.53	131.54
21 22 16 00-0216	EA		Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650).....	1,587.01	243.16
21 22 16 00-0217	EA		24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651).....	322.76	49.23
21 22 16 00-0218	EA		48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652).....	404.66	61.87
21 22 16 00-0219	EA		8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653).....	811.47	124.27
21 22 16 00-0220	EA		Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660).....	137.09	20.84
21 22 16 00-0221	EA		Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576).....	186.50	28.79
21 22 16 00-0222	EA		Note: For up to 4 LDM modules. Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657).....	322.78	49.23
21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)					
21 22 16 00-0224	EA		CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586).....	251.06	40.08
21 22 16 00-0225	EA		REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639).....	15.56	2.75
21 22 16 00-0226	EA		REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640).....	106.95	3.33
21 22 16 00-0227	EA		REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765).....	16.86	3.33
21 22 16 00-0228 Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)					
21 22 16 00-0229	EA		Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564).....	558.22	89.84
21 22 16 00-0230	EA		Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566).....	334.60	53.53
21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)					
21 22 16 00-0232	EA		7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692).....	246.00	34.43
21 22 16 00-0233	EA		12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693).....	514.57	72.89
21 22 16 00-0234	EA		18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694).....	580.73	82.58
21 22 16 00-0235	EA		25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695).....	758.07	100.60
21 22 16 00-0236	EA		55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997).....	1,223.75	174.58
21 22 16 00-0237	EA		BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578).....	183.29	27.71
21 22 16 00-0238	EA		BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079).....	327.54	50.03
21 22 16 00-0239	EA		Note: Holds six XP5 modules or 25AH battery pack. BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410).....	666.18	101.95
21 22 16 00-0240	EA		Note: For mounting in BB-55 battery box. Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207).....	1,936.76	296.96
21 22 16 00-0241	EA		Note: For mounting in BB-55 battery box. 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563).....	1,416.36	217.07
21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)					
21 22 16 00-0243	EA		Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097).....	149.25	23.00
21 22 16 00-0244	EA		Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098).....	139.59	22.87
21 22 16 00-0245	EA		Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480).....	189.44	32.81
21 22 16 00-0246	EA		2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100).....	280.51	42.77

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	218.28		34.70
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	205.13		33.36
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	32.68		5.32
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	120.48		18.83
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	120.44		18.29
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	43.90		15.07
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138)	11.08		1.67
		Note: Converts BX501 to low profile base.			
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	115.93		17.61
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	67.93		10.39
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	183.78		27.44
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	96.14		14.52
21 22 16 00-0258		Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)			
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	27.63		3.91
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	17.11		2.15
21 22 16 00-0261		Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (21 22 16 00-0195)			
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470)	240.89		36.59
		Note: Includes municipal box and remote station connection.			
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	723.84		105.17
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,383.10		211.96
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	36.87		5.49
21 22 16 00-0266		Vesda® Aspirating Smoke Detection System (21 22 16 00-0001)			
21 22 16 00-0267		Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)			
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	187.16		25.83
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	405.54		38.93
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	1,041.64		150.63
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	1,041.64		150.63
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376)	1,565.02		225.95
		Note: Includes housing and battery cab.			
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377)	1,565.02		225.95
		Note: Includes housing and battery cab.			
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,281.94		287.82
21 22 16 00-0275		Blank Plates, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)			
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	33.59		4.84
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	50.40		4.84
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	73.37		9.15
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	113.87		10.23
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	143.97		20.44
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	265.46		25.83
21 22 16 00-0282		Detectors, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)			
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350)	7,879.62		1,264.24
		Note: Includes 3 blank plates.			
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354)	10,048.12		1,560.13
		Note: Includes centrally mounted LCD programmer module and standard display.			
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356)	9,087.29		1,425.63
		Note: Includes centrally mounted LCD programmer.			
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	12,625.54		1,882.92
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	13,293.41		1,990.52
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359)	12,765.10		1,909.81
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	13,481.56	2,017.41
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	13,869.15	2,098.11
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	14,472.65	2,205.71
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	15,211.52	2,313.30
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	15,861.99	2,420.90
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	14,899.96	2,205.71
21 22 16 00-0295		Displays, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	2,387.71	295.88
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	2,399.20	295.88
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	2,162.49	268.99
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	2,175.84	268.99
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	2,688.43	322.79
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	2,285.21	279.75
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,502.34	314.18
21 22 16 00-0303		Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	6,019.90	887.66
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	4,955.55	710.13
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,754.07	268.99
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,260.71	174.84
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,755.61	235.63
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	2,511.10	290.51
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	331.06	43.57
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	2,211.32	268.99
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,582.88	223.26
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,242.82	172.15
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,585.39	223.26
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,582.88	223.26
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,563.93	209.81
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	186.02	18.83
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	7,558.52	1,032.92
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	13,171.63	1,807.60
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	1,028.53	134.49
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	23.38	2.69
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	13.08	0.53
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	567.06	78.00
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	687.01	94.68
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	991.80	137.19
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	146.17	20.44
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	22.95	4.31
21 22 16 00-0328		Labels And Decals, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	20.77	3.23
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	21.86	3.76
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	33.59	4.84
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	33.64	4.84
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	122.02	18.29
21 22 16 00-0334		Mounting Hardware, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)		
21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	300.60	38.73
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	404.93	51.64
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	414.72	56.49
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	1,002.04	80.69

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	1,481.74	177.53
21 22 16 00-0340 Pipe And Fittings, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0341	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	5.42	1.55
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	9.04	3.10
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	24.50	9.29
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	25.44	9.29
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	17.63	6.19
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	28.72	9.29
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	37.79	13.94
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	47.77	16.35
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	5.60	1.94
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	22.11	5.92
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	26.63	4.31
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	38.16	5.92
21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)				
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396)	1,733.28	206.59
Note: Remote box includes 7 relays for VLP/VLC.				
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,770.17	237.79
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	1,071.63	145.25
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,224.24	164.08
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397)	1,733.28	206.59
Note: Remote box includes 7 relays for VLS.				
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398)	2,090.16	237.79
Note: Remote box includes 12 relays for VLS.				
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	593.63	73.16
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	893.11	111.90
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,684.65	231.33
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,471.35	338.92
21 22 16 00-0364 Preferred® Low Pressure CO2 System (21 22 16 00-0001)				
21 22 16 00-0365 Manual Pull Stations, Preferred® Low Pressure CO2 System (21 22 16 00-0364)				
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658)	133.48	18.83
Note: Excludes FMM-101.				
21 22 16 00-0367	EA	Weatherproof Back Box For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	99.84	13.99
21 22 16 00-0368 Industrial Fire Control System (21 22 16 00-0001)				
21 22 16 00-0369 Alarm Devices, Industrial Fire Control System (21 22 16 00-0368)				
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	3,235.86	496.29
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	98.51	11.40
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	97.73	14.80
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	58.22	8.88
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	23.79	3.60
21 22 16 00-0375 Manual Pull Stations, Industrial Fire Control System (21 22 16 00-0368)				
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	110.30	15.60
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	155.52	22.05
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,214.38	173.23
21 22 16 00-0379	EA	Surface Mounted Back Box For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	35.31	5.00
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	15.83	2.23
21 22 16 00-0381 Marine Fire Control System (21 22 16 00-0001)				
21 22 16 00-0382 Alarm Devices, Marine Fire Control System (21 22 16 00-0381)				
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	63.98	9.04
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	117.99	17.48
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	117.99	17.48
21 22 16 00-0386 FM200 System Equipment (21 22 16)				
21 22 16 00-0387	EA	26 Lb. Cylinder, Filled, For FM200 Fire Protection system	3,751.34	129.77

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 22 16 00-0388	EA			44 Lb. Cylinder, Filled, For FM200 Fire Protection system	5,376.14	148.58
21 22 16 00-0389	EA			63 Lb. Cylinder, Filled, For FM200 Fire Protection system	6,381.64	175.18
21 22 16 00-0390	EA			101 Lb. Cylinder, Filled, For FM200 Fire Protection system	8,456.97	207.62
21 22 16 00-0391	EA			196 Lb. Cylinder, Filled, For FM200 Fire Protection system	13,216.57	259.53
21 22 16 00-0392	EA			Electro/Mechanical Release, For FM200 Fire Protection system	836.51	259.53
21 22 16 00-0393	EA			Manual Pull Station, For FM200 Fire Protection system	291.60	86.30
21 22 16 00-0394	EA			Pneumatic Damper Release, For FM200 Fire Protection system	354.62	64.88
21 22 16 00-0395	LB			FM200 Gas	29.23	
21 22 16 00-0396	EA			Master Cylinder, For FM200 Fire Protection system	6,115.73	69.81
21 22 16 00-0397	EA			Shuttle Check Valve, For FM200 Fire Protection system	881.94	97.58
21 22 16 00-0398	EA			Flex Head Cylinder, For FM200 Fire Protection system	879.20	104.59
21 22 16 00-0399	EA			Nozzles, For FM200 Fire Protection system	219.47	36.98
21 22 16 00-0400	EA			Cylinder Support, For FM200 Fire Protection system	258.25	69.81
21 22 16 00-0401	EA			Solenoid Valve, For FM200 Fire Protection system	1,137.83	104.59
21 22 16 00-0402	EA			Battery Back-Up, For FM200 Fire Protection system	865.48	275.88
21 22 16 00-0403	EA			Control Panel, Single Zone, For FM200 Fire Protection system	4,475.37	518.28
21 22 16 00-0404	EA			Control Panel, Multi Zone, For FM200 Fire Protection system	7,260.39	1,037.74
21 22 16 00-0405	EA			Smoke Or Heat Detector, For FM200 Fire Protection system	362.31	104.59
21 22 16 00-0406	EA			Annunciator, For FM200 Fire Protection system	3,623.19	392.80
21 22 16 00-0407	EA			Pressure Switch, For FM200 Fire Protection system	392.82	104.59
21 22 16 00-0408	EA			Alarm Horn, For FM200 Fire Protection system	359.37	104.59
21 22 16 00-0409	EA			Testing, For FM200 Fire Protection system	1,643.14	
21 22 16 00-0410	EA			Abort Switch, For FM200 Fire Protection system	247.40	48.66

21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)

21 23 16 00-0001				Kidde Fire Systems (21 23 16) Note: Kidde or equal.		
21 23 16 00-0002				Cylinders And Hardware (21 23 16 00-0001)		
21 23 16 00-0003	EA			125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	1,046.35	107.49
21 23 16 00-0004	EA			260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,202.32	133.89
21 23 16 00-0005	EA			400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,473.30	165.19
21 23 16 00-0006	EA			600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,739.78	196.00
21 23 16 00-0007	EA			Discharge Adapter Kit (One Required Per Cylinder)	58.65	5.62
21 23 16 00-0008	EA			System Valve Actuator	210.68	22.34
21 23 16 00-0009	EA			Vent Plug	39.53	4.54
21 23 16 00-0010	EA			Gauge Shield	98.58	11.95
21 23 16 00-0011	EA			125 Cylinder Wall Mounting Bracket	108.59	11.95
21 23 16 00-0012	EA			260 Cylinder Wall Mounting Bracket	115.10	12.66
21 23 16 00-0013	EA			400S And M Cylinder Wall Mounting Bracket	218.77	23.89
21 23 16 00-0014	EA			600 And 400M Cylinder Shelf Bracket	215.05	27.12
21 23 16 00-0015	EA			600 And 400M Cylinder Floor Mounting Kit	291.21	27.18
21 23 16 00-0016	EA			125 And 260 Cylinder Replacement Bracket Strap	39.69	
21 23 16 00-0017	EA			400 And 600 Cylinder Replacement Bracket Strap	41.82	
21 23 16 00-0018				Nozzles And Accessories (21 23 16 00-0001)		
21 23 16 00-0019	EA			ADP, F, GRW Or R Nozzle	97.37	10.99
21 23 16 00-0020	EA			LPF Or DM Nozzle	105.84	10.99
21 23 16 00-0021	EA			LPR Nozzle	123.28	10.99
21 23 16 00-0022	EA			3/8" Swivel Adapter For Nozzles	73.06	7.76
21 23 16 00-0023	EA			Removal And Replacement Of Nozzle Seals	11.51	
21 23 16 00-0024	EA			Chrome Nozzle Disc Cap	7.10	0.71
21 23 16 00-0025	EA			LPR Nozzle Disc Cap	38.92	10.93
21 23 16 00-0026				Control Systems (21 23 16 00-0001)		
21 23 16 00-0027	EA			XV Control System	1,233.75	71.67
Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.						
21 23 16 00-0028	EA			7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	104.98	11.95
21 23 16 00-0029	EA			24" High Pressure Hose	124.18	11.95
21 23 16 00-0030	EA			60" High Pressure Hose	166.86	11.95
21 23 16 00-0031	EA			XV Solenoid Kit (Electric Actuator), 24 Volt DC	241.95	23.89
21 23 16 00-0032	EA			XV Microswitch Kit, SPDT	80.08	11.22
21 23 16 00-0033	EA			XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	86.48	11.22
21 23 16 00-0034	EA			EMT Connector Kit (EMT Connector And O-Ring)	34.99	8.96
21 23 16 00-0035	EA			KRS-50 Control Box Assembly	694.32	46.28
Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.						
21 23 16 00-0036	EA			SPDT Microswitch For KRS-50	102.02	11.22
21 23 16 00-0037	EA			DPDT Microswitch For KRS-50	184.57	19.47
21 23 16 00-0038	EA			SPDT Pressure Switch (Fire Department Tie-In)	566.76	62.47
21 23 16 00-0039				Mechanical Actuation Components (21 23 16 00-0001)		
21 23 16 00-0040	EA			Universal Detector Link Housing Kit, Mechanical Actuation Systems	64.61	17.92
Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.						
21 23 16 00-0041	EA			XV Low Profile Link Detector Housing Kit	91.31	17.92
Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.						
21 23 16 00-0042	EA			XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	245.82	11.95
21 23 16 00-0043	EA			XV Remote Manual Release, Pull-To-Trip	188.20	11.95

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	28.45	3.22
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	393.20	19.71
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	47.68	5.25
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	99.44	5.97
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	2.91	1.20
21 23 16 00-0049	EA	Cable Clamp	14.00	0.59
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	1.88	0.47
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.81	0.47
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	101.74	11.11

21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)

21 23 16 00-0054	EA	KGS Standard Response Link	21.77	5.97
21 23 16 00-0055	EA	KGS Rapid Response Link	31.59	5.97
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	27.19	5.97
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	26.89	5.97
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	39.69	5.97

21 23 16 00-0059 Gas Valves (21 23 16 00-0001)

21 23 16 00-0060	EA	3/4" NPT Mechanical Cable Operated Gas Shut-off Valve	459.61	25.80
21 23 16 00-0061	EA	1" NPT Mechanical Cable Operated Gas Shut-off Valve	500.39	31.77
21 23 16 00-0062	EA	1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	574.75	40.13
21 23 16 00-0063	EA	1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	630.75	46.22
21 23 16 00-0064	EA	2" NPT Mechanical Cable Operated Gas Shut-off Valve	681.41	54.59
21 23 16 00-0065	EA	2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	1,129.66	79.79
21 23 16 00-0066	EA	3" NPT Mechanical Cable Operated Gas Shut-off Valve	1,261.51	92.32
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	522.08	29.14
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	64.87	
21 23 16 00-0069	EA	1/2" Electric Solenoid Gas Shut-off Valve	479.71	24.01
21 23 16 00-0070	EA	3/4" Electric Solenoid Gas Shut-off Valve	483.31	25.80
21 23 16 00-0071	EA	1" Electric Solenoid Gas Shut-off Valve	745.89	31.77
21 23 16 00-0072	EA	1-1/4" Electric Solenoid Gas Shut-off Valve	789.77	40.13
21 23 16 00-0073	EA	1-1/2" Electric Solenoid Gas Shut-off Valve	906.72	46.22
21 23 16 00-0074	EA	2" Electric Solenoid Gas Shut-off Valve	1,165.63	54.59
21 23 16 00-0075	EA	2-1/2" Electric Solenoid Gas Shut-off Valve	1,927.11	79.79
21 23 16 00-0076	EA	3" Electric Solenoid Gas Shut-off Valve	2,421.29	92.32
21 23 16 00-0077	EA	Manual Reset Relay	654.92	120.03

21 23 16 00-0078 Liquid Tight Sealing Adapters (21 23 16 00-0001)

21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	52.35	5.01
21 23 16 00-0080	EA	1/2" Tubing, 1/4" Pipe, Compression Seal Adapter	51.54	5.50
21 23 16 00-0081	EA	5/8" Tubing, 3/8" Pipe, Compression Seal Adapter	60.52	6.57
21 23 16 00-0082	EA	3/4" Tubing, 1/2" Pipe, Compression Seal Adapter	69.86	7.05
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	60.52	6.57
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	51.54	5.50
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	51.54	5.50
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	84.62	9.32
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	112.67	12.30
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	51.54	

21 23 16 00-0089 Pressure Operated Releasing Systems (21 23 16 00-0001)

21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	375.16	36.08
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	335.98	36.79
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	265.24	9.08
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	964.83	104.03
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	205.36	22.22
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	311.83	22.22
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	309.16	15.76
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	94.67	10.04
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	12.50	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	773.34	83.61

21 23 16 00-0100 Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)**21 23 16 00-0101 Cylinders, Kitchen Fire Suppression Systems** (21 23 16 00-0100)

21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	1,172.22	84.80
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	1,688.48	122.19
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	2,213.52	167.10
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	238.79	19.95
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	1,572.52	130.43
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	960.13	79.55

21 23 16 00-0108 Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)

21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	31.00	2.63
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	31.00	2.63
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	31.78	2.63
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	31.00	2.63
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	31.00	2.63
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	33.84	2.63

MINOR			TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	53.70		4.42	
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	69.68		5.85	
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	72.49		30.22	
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	664.24		67.25	
21 23 16 00-0119	Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)					
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	571.80		25.80	
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	649.96		31.77	
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	698.28		40.13	
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	767.01		46.10	
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	881.52		54.47	
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	2,079.61		79.67	
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	2,215.10		92.21	
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	445.64		25.80	
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	766.65		31.77	
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	796.02		40.13	
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	905.74		46.10	
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	1,259.93		54.47	
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	2,451.68		79.67	
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	2,580.91		92.21	
21 23 16 00-0134	Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)					
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	111.36		8.84	
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	158.91		11.22	
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	631.77		11.22	
21 23 16 00-0138	Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)					
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	41.02		3.46	
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	1,343.82		112.15	
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	1,712.14		143.45	
21 23 16 00-0142	Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)					
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	878.41		73.46	
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	1,059.95		88.51	
21 23 16 00-0145	Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)					
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	969.17		80.98	
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	1,011.40		84.68	
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	1,317.60		110.12	
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	1,511.35		126.61	
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	122.75		10.27	
21 23 16 00-0151	Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)					
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	31.18		1.67	
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	31.94		2.15	
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	98.44		8.24	
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	1.20			
21 23 16 00-0156	Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)					
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	107.08		8.96	
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	214.47		17.80	
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	453.89		37.75	
21 23 16 00-0160	Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)					
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	2.13		0.36	
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	1.17		0.36	
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	5.34		0.47	
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.85			
21 23 16 00-0165	Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)					
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	101.67		8.60	
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	106.16		8.96	
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	12.45		1.08	
21 23 16 00-0169	EA	225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	146.32		11.71	
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	20.46		1.67	
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	28.46		2.39	
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	12.45		1.08	
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	17.52		1.43	
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	17.13		1.43	
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	4.90		0.36	

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257).....	8.30	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063).....	158.56	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024).....	1,087.42	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902).....	1,408.17	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901).....	1,624.56	

21 23 16 00-0181 Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)

21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857).....	49.84	4.06
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859).....	51.61	4.30
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788).....	99.40	8.24
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	140.65	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	302.34	

21 23 16 00-0187 Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)

21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074).....	200.73	16.84
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166).....	211.33	23.64
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088).....	53.70	4.42
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661).....	6.67	1.55

21 23 16 00-0192 Asco Gas Valve Control Panels (21 23 16)

21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	2,636.44	262.77
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C).....	2,724.08	262.77
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89).....	886.02	59.72
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19).....	828.77	59.72

21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)**21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)****21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)**

Note: Amerex or equal.

21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	654.26	92.69
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	910.89	116.87
21 24 16 00-0004	EA	Recharge - KP Liquid Agent (3.75 Gallon).....	216.33	
21 24 16 00-0005	EA	Recharge - KP Liquid Agent (6 Gallon).....	380.30	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet.....	151.44	19.46
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder.....	88.22	11.29
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit.....	38.25	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder.....	151.44	19.46
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure).....	380.30	48.78
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure.....	202.68	25.95
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure.....	246.70	25.95
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet.....	603.47	77.44
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose.....	45.54	5.84
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder.....	202.68	25.95
Note: Use For 1-10 Agent Cylinders				
21 24 16 00-0016	EA	Vent Check.....	36.44	4.67
21 24 16 00-0017	EA	Detector.....	27.33	3.50
Note: Includes bracket, linkage and conduit fittings.				
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link.....	10.25	1.30
21 24 16 00-0019	EA	Test Link.....	3.39	
21 24 16 00-0020	EA	Corner Pulley.....	14.12	1.81
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable.....	227.71	29.19
21 24 16 00-0022	EA	Pulley Tee.....	102.47	13.10
21 24 16 00-0023	EA	Manual Pull Station (Standard).....	91.08	11.67
21 24 16 00-0024	EA	Manual Pull Station, Adapter Kit (Recess Standard Pull Station).....	42.73	5.44
21 24 16 00-0025	EA	Manual Pull Station (Oversized).....	101.56	12.97
21 24 16 00-0026	EA	Conduit Offset.....	20.27	2.60
21 24 16 00-0027	EA	3/8" Pipe Thread, Seal (Quick-Seal).....	27.92	3.63
21 24 16 00-0028	EA	1/2" Pipe Thread, Seal (Quick-Seal).....	22.77	2.99
21 24 16 00-0029	EA	3/8" Pipe Compression Seal.....	38.02	4.93
21 24 16 00-0030	EA	1/2" Pipe Compression Seal.....	38.02	4.93
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard).....	10.95	3.37
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature).....	25.34	3.37
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle.....	45.54	5.84
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle.....	45.54	5.84
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each.....	45.54	5.84
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle.....	45.54	5.84
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle.....	45.54	5.84
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle.....	65.50	8.43
21 24 16 00-0039	EA	3/4" Or 1" Mechanical Gas Valve.....	361.66	34.38
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Mechanical Gas Valve.....	426.66	49.94
21 24 16 00-0041	EA	2" Mechanical Gas Valve.....	531.17	59.02
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve).....	573.84	73.55
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads.....	30.20	3.89
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve.....	48.73	6.23
21 24 16 00-0045	EA	Gas Valve Trip Assembly.....	102.47	13.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 24 16 00-0046

Range Guard Fire Suppression Systems (21 24 16)

Note: Range Guard or equal.

21 24 16 00-0047	EA		1-1/4 Gallon Charged Cylinder With Valve	694.75	100.21
21 24 16 00-0048	EA		2-1/2 Gallon Charged Cylinder With Valve	867.24	125.06
21 24 16 00-0049	EA		4 Gallon Charged Cylinder With Valve	1,070.66	154.44
21 24 16 00-0050	EA		6 Gallon Charged Cylinder With Valve	1,271.71	183.34
21 24 16 00-0051	EA		Vent Plug	29.18	4.18
21 24 16 00-0052	EA		Discharge Adapter Kit.....	37.59	
21 24 16 00-0053	EA		1-1/4 Gallon Wall Bracket	77.33	11.11
21 24 16 00-0054	EA		2-1/2 Gallon Wall Bracket	81.84	11.83
21 24 16 00-0055	EA		4 Gallon Wall Bracket	154.57	22.34
21 24 16 00-0056	EA		6 Gallon Wall Bracket	171.30	24.72
21 24 16 00-0057	EA		Mechanical Control Head, No Microswitch	604.34	87.19
21 24 16 00-0058	EA		Mechanical Control Head, 1 Microswitch.....	630.50	90.89
21 24 16 00-0059	EA		Mechanical Control Head, 2 Microswitches	723.29	104.27
21 24 16 00-0060	EA		Tandem Control Head	549.62	79.31
21 24 16 00-0061	EA		Electric Control Head, 120 Volt AC / 24 Volt DC.....	930.28	134.14
21 24 16 00-0062	EA		Mechanical Control Box.....	413.99	59.72
21 24 16 00-0063	EA		Tandem Control Box.....	413.99	59.72
21 24 16 00-0064	EA		Mechanical Control Box Adapter	121.34	17.55
21 24 16 00-0065	EA		A+ Control head With 1 Pressure Operated Actuator	364.66	52.55
21 24 16 00-0066	EA		Pressure Operated Actuator	149.89	21.62
21 24 16 00-0067	EA		BMCS-1 Nitrogen Cylinder	242.69	35.00
21 24 16 00-0068	EA		BMCS-1 Actuator Assembly	247.44	35.71
21 24 16 00-0069	EA		BMCS-1 Mounting Bracket	60.66	8.72
21 24 16 00-0070	EA		BMCS-7 Nitrogen Cylinder	700.25	100.93
21 24 16 00-0071	EA		BMCS-7 Mounting Bracket	149.90	21.62
21 24 16 00-0072	EA		BMCS-7 Discharge Adapter Kit	149.90	21.62
21 24 16 00-0073	EA		Check Valve.....	126.59	25.68
21 24 16 00-0074	EA		Vent Check For Use With BMCS Systems	67.81	9.79
21 24 16 00-0075	EA		Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	29.50	4.26
21 24 16 00-0076	EA		Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	7.76	
21 24 16 00-0077	EA		Pneumatic Control Head For Slave Cylinders.....	154.65	22.34
21 24 16 00-0078	EA		Nozzles; ADP, F, R And GRW	70.89	10.27
21 24 16 00-0079	EA		Nozzles; DM And LPF	78.99	11.34
21 24 16 00-0080	EA		Swivel Adapter.....	49.96	7.17
21 24 16 00-0081	EA		Corner Pulley.....	21.41	3.11
21 24 16 00-0082	LF		1/16" Stainless Steel Cable	0.96	0.36
21 24 16 00-0083	EA		Cable Crimp Sleeve.....	1.17	0.36
21 24 16 00-0084	EA		"S" Hook	0.91	0.24
21 24 16 00-0085	EA		Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	73.73	10.63
21 24 16 00-0086	EA		Cable Clamp	6.58	0.96
21 24 16 00-0087	EA		Nico Sleeves - 1/16" Cable.....	0.91	0.24
21 24 16 00-0088	EA		3/8" Cable Anchor.....	77.92	11.22
21 24 16 00-0089	EA		1/2" Cable Anchor.....	77.92	11.22
21 24 16 00-0090	EA		Mechanical Remote Manual Release (Pull Cable).....	126.03	18.16
21 24 16 00-0091	EA		Tee Pulley, Use For Mechanical Pull And Gas Valve	134.50	19.35
21 24 16 00-0092	EA		Surface Remote Manual Release, End-of-line.....	157.58	22.70
21 24 16 00-0093	EA		Surface Remote Manual Release, In line Conservation Kit	49.37	7.17
21 24 16 00-0094	EA		Surface Remote Manual Release, In line And End Of Line	206.88	29.74
21 24 16 00-0095	EA		Recessed Remote Manual Release, End-of-line.....	157.58	22.70
21 24 16 00-0096	EA		Recessed Remote Manual Release, In Line Kit.....	187.85	27.12
21 24 16 00-0097	EA		Pulley Tee, Remote In Line Only	33.76	4.90
21 24 16 00-0098	EA		Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	37.49	5.38
21 24 16 00-0099	EA		Fusible Link 165F To 360F	12.28	1.79
21 24 16 00-0100	EA		Fusible Link 500F	19.31	1.79
21 24 16 00-0101	EA		Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	37.49	5.38
21 24 16 00-0102	EA		Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	27.75	5.38
21 24 16 00-0103	EA		Quartzoid Link 400 F	202.12	29.14
21 24 16 00-0104	EA		Quartzoid Link 500 F	202.12	29.14
21 24 16 00-0105	EA		SPDT Micro Switch For Use With A Plus Control Box	72.44	10.39
21 24 16 00-0106	EA		DPDT Micro Switch For Use With A Plus Control Box	126.03	18.16
21 24 16 00-0107	EA		SPDT Micro Switch For Use With A Mechanical Control Box	74.90	10.75
21 24 16 00-0108	EA		DPDT Micro Switch For Use With A Mechanical Control Box.....	129.82	18.75
21 24 16 00-0109	EA		SPDT Micro Switch For Use With PRCB	95.11	13.74
21 24 16 00-0110	EA		DPDT Micro Switch For Use With PRCB.....	137.21	19.71
21 24 16 00-0111	EA		Pressure Switch, SPDT (Fire Dept. Tie In)	401.88	57.93
21 24 16 00-0112	EA		Circuit Monitor 12 Or 24 Volt DC	180.73	26.04
21 24 16 00-0113	EA		Circuit Monitor 120 Volt AC.....	180.73	26.04
21 24 16 00-0114	EA		Electric Manual Pull Station	131.98	18.99
21 24 16 00-0115	EA		6", 24 Volt DC, Motor Bell	73.72	10.63
21 24 16 00-0116	EA		10", 115 Volt AC Motor Bell	104.64	15.05
21 24 16 00-0117	EA		Fuse, 1.2 For ECH.....	8.48	1.20
21 24 16 00-0118	EA		Indicator Lamp 12 Or 24 Volt DC.....	37.49	5.38
21 24 16 00-0119	EA		Indicator Lamp 120 Volt AC	37.49	5.38
21 24 16 00-0120	EA		B-10 Manual Station Dual Action, SPDT	137.92	19.83
21 24 16 00-0121	EA		B-11 Manual Station Dual Action, DPDT	152.19	21.97
21 24 16 00-0122	EA		Break Rods For B10/B11 Manual Pull Station	4.12	1.55
21 24 16 00-0123	EA		Spare Key For B10/B11 Manual Stations	19.02	2.75
21 24 16 00-0124	EA		MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	204.50	29.50
21 24 16 00-0125	EA		Suppression Abort Station	216.40	31.17
21 24 16 00-0126	EA		Suppression Abort Station With Surface Mount Back Box.....	252.06	36.31
21 24 16 00-0127	EA		Surface Mount Back Box	83.23	11.95
21 24 16 00-0128	EA		Single Hazard Control Unit, 120 Volt AC IP.....	1,545.66	222.51

21 Fire Suppression**21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,545.66	222.51
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	128.41	18.51
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	4.96	0.84
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	1,117.56	
21 24 16 00-0133	EA	Extra Scorpio Key	19.02	
21 24 16 00-0134	EA	Extra Scorpio Manual.....	11.89	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe.....	32.34	4.66
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	35.11	5.01
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	42.24	6.09
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	45.17	6.45
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	35.11	5.01
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	35.11	5.01
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	60.07	8.72
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	79.66	11.46
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	35.11	5.01
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	78.15	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	134.34	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge.....	203.06	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge.....	297.14	
21 24 16 00-0148	EA	Inlet Flushing Adapter.....	58.26	8.36
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet).....	58.26	8.36
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet).....	58.26	8.36
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet).....	58.26	8.36
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet).....	58.26	8.36
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only).....	80.85	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB.....	6.48	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan).....	7.75	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only).....	5.47	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box.....	3.94	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	1,022.45	147.27
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	1,193.68	171.87
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	1,486.17	214.04
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	1,486.17	214.04
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,869.00	269.10
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	885.75	127.56
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	832.23	119.80
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322.....	672.93	96.86
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210.....	1,165.13	167.82
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	1,067.63	153.72

21 30 Fire Pumps ⁽²¹⁾**21 31 Centrifugal Fire Pumps** ^(21 30)**21 31 13 Electric-Drive, Centrifugal Fire Pumps** ^(21 31)**21 31 13 00-0001 Electric-Drive Fire Pumps** ^(21 31 13)

Note: Includes fire pump and motor, motor starter, panel, and controller.

21 31 13 00-0002	EA	20 HP, 500 GPM, Electric-Drive Fire Pump	24,459.91	1,994.19
<i>For Duplex Pumping System, Add</i>			22,465.73	
21 31 13 00-0003	EA	30 HP, 500 GPM, Electric-Drive Fire Pump	28,250.25	2,243.45
<i>For Duplex Pumping System, Add</i>			26,172.98	
21 31 13 00-0004	EA	40 HP, 750 GPM, Electric-Drive Fire Pump	37,919.16	2,492.73
<i>For Duplex Pumping System, Add</i>			35,611.08	
21 31 13 00-0005	EA	50 HP, 1,000 GPM, Electric-Drive Fire Pump	46,505.45	2,683.23
<i>For Duplex Pumping System, Add</i>			43,822.23	
21 31 13 00-0006	EA	75 HP, 1,000 GPM, Electric-Drive Fire Pump	51,841.84	2,927.16
<i>For Duplex Pumping System, Add</i>			48,914.68	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps ^(21 31)**21 31 16 00-0001 Diesel-Drive Fire Pumps** ^(21 31 16)

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump and motor, motor starter, panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	81,683.80	2,195.37
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	92,418.69	2,439.30
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	97,061.30	2,683.23
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	110,500.42	2,927.16
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	117,174.78	3,415.02
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	125,860.80	4,390.74
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	136,575.86	4,878.60
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	156,177.32	5,561.61
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	187,309.62	6,000.68
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	219,843.80	6,830.06
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	261,227.62	7,317.92
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	294,322.44	7,805.78

21 34 Fire Pump Accessories ^(21 30)**21 34 13 Pressure Maintenance Pumps** ^(21 34)**21 34 13 00-0001 Jockey Pumps** ^(21 34 13)

Note: Excludes controller

21 34 13 00-0002	EA	1-1/2 HP, 1-1/2" Pipe Connection, Jockey Pump.....	2,559.78	253.91
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Fire Suppression			21	21
Fire Pumps			21 30	
Fire Pump Accessories			21 34	

MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
21 34 13 00-0003	EA	2 HP, 1-1/2" Pipe Connection, Jockey Pump.....	2,668.65			277.66
21 34 13 00-0004	EA	3 HP, 1-1/2" Pipe Connection, Jockey Pump.....	3,291.72			306.88
21 34 13 00-0005	EA	5 HP, 1-1/2" Pipe Connection, Jockey Pump.....	3,608.36			365.34
21 34 13 00-0006	EA	7.5 HP, 1-1/2" Pipe Connection, Jockey Pump.....	5,330.92			449.37
21 34 13 00-0007		Jockey Pump Controllers (21 34 13)				
21 34 13 00-0008	EA	Up To 2 HP Jockey Pump Controller	677.68			73.07
21 34 13 00-0009	EA	>2 To 7.5 HP Jockey Pump Controller.....	1,051.68			73.07

END OF SECTION 21

21	21	Fire Suppression	
	21 30	Fire Pumps	
	21 34	Fire Pump Accessories	



MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST

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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing ⁽²²⁾

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps ^(22 01)

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs ^(22 01 10)

22 01 10 61-0001 Pipe Repair Clamps ^(22 01 10 61)

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	47.53
		Note: Includes neoprene gasket	
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	49.50
		Note: Includes neoprene gasket	
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	54.43
		Note: Includes neoprene gasket	
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	58.07
		Note: Includes neoprene gasket	
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	62.91
		Note: Includes neoprene gasket	
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	80.24
		Note: Includes neoprene gasket	
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	102.14
		Note: Includes neoprene gasket	
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	118.68
		Note: Includes neoprene gasket	
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	136.05
		Note: Includes neoprene gasket	
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	75.03
		Note: Includes neoprene gasket	
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	79.12
		Note: Includes neoprene gasket	
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	87.58
		Note: Includes neoprene gasket	
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	96.25
		Note: Includes neoprene gasket	
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	106.12
		Note: Includes neoprene gasket	
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	137.08
		Note: Includes neoprene gasket	
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	166.49
		Note: Includes neoprene gasket	
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	189.71
		Note: Includes neoprene gasket	
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	215.17
		Note: Includes neoprene gasket	
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	106.61
		Note: Includes Buna rubber gasket	
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	110.96
		Note: Includes Buna rubber gasket	
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	122.61
		Note: Includes Buna rubber gasket	
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	134.48
		Note: Includes Buna rubber gasket	
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	151.85
		Note: Includes Buna rubber gasket	
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	185.74
		Note: Includes Buna rubber gasket	
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	218.37
		Note: Includes Buna rubber gasket	
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	263.14
		Note: Includes Buna rubber gasket	
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	324.07
		Note: Includes Buna rubber gasket	
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	332.44
		Note: Includes Buna rubber gasket	
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	356.29
		Note: Includes Buna rubber gasket	

22 01 10 61-0031 Replace Drain Covers ^(22 01 10 61)

22 01 10 61-0032	EA	4-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	59.02
22 01 10 61-0033	EA	4-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	59.04
22 01 10 61-0034	EA	5" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	42.46
22 01 10 61-0035	EA	5-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.19
22 01 10 61-0036	EA	5-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.06
22 01 10 61-0037	EA	6" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	50.80
22 01 10 61-0038	EA	6-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	58.50
22 01 10 61-0039	EA	6-3/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	81.23
22 01 10 61-0040	EA	6-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	64.59
22 01 10 61-0041	EA	6-5/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	65.55
22 01 10 61-0042	EA	6-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.63
22 01 10 61-0043	EA	6-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	88.61
22 01 10 61-0044	EA	7" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	72.70

22 Plumbing**22 01 Operation and Maintenance of Plumbing****22 01 10 Operation and Maintenance of Plumbing Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 01 10 61-0045	EA	7-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	76.13
22 01 10 61-0046	EA	7-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	81.15
22 01 10 61-0047	EA	7-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	84.30
22 01 10 61-0048	EA	7-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	107.09
22 01 10 61-0049	EA	8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement.....	91.13
22 01 10 61-0050	EA	8-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	95.61
22 01 10 61-0051	EA	8-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	99.03
22 01 10 61-0052	EA	8-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	109.87
22 01 10 61-0053	EA	9" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement.....	129.35
22 01 10 61-0054	EA	9-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	141.86
22 01 10 61-0055	EA	9-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	149.72
22 01 10 61-0056	EA	9-5/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	175.95
22 01 10 61-0057	EA	9-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	159.40
22 01 10 61-0058	EA	10" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement.....	160.81
22 01 10 61-0059	EA	10-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	182.54
22 01 10 61-0060	EA	10-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	182.80
22 01 10 61-0061	EA	10-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.23
22 01 10 61-0062	EA	10-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	184.90
22 01 10 61-0063	EA	10-7/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	184.70
22 01 10 61-0064	EA	11" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement.....	183.69
22 01 10 61-0065	EA	11-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.62
22 01 10 61-0066	EA	11-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.03
22 01 10 61-0067	EA	12" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement.....	166.80
22 01 10 61-0068	EA	4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement.....	48.47
22 01 10 61-0069	EA	4-1/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement.....	52.48
22 01 10 61-0070	EA	4-3/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement.....	61.89
22 01 10 61-0071	EA	5-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement.....	81.41
22 01 10 61-0072	EA	7-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement.....	121.99
22 01 10 61-0073	EA	9-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement.....	182.94

22 01 10 61-0074 Repair And Tape Pipe Insulation Seam (22 01 10 61)

22 01 10 61-0075	LF	Repair and Taping Of Damaged Pipe Insulation Seam	1.36
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22 01 40 Operation and Maintenance of Plumbing Fixtures (22 01)**22 01 40 81 Plumbing Fixtures Replacement (22 01 40)****22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim (22 01 40 81)**

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube.....	66.28
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	24.30
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	31.95
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	44.92
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	69.57
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	43.38
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	46.19
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	54.66
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	42.91
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim.....	125.83
Note: Excludes balancing valve.			
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	34.33
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	18.47
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper.....	19.40
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	18.47
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	10.18
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8"	29.83
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2"	49.48
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	35.26
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-Up Drain Stopper	35.85
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	40.45
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	30.30
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Faucet Hole Cover	22.33
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock	41.88
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax.....	8.04
Note: Excludes removal of toilet.			
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank.....	163.39
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl.....	208.93
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	223.34
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl.....	237.25
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl.....	213.78
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	26.54
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain	19.02
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	20.73
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid	104.63
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid	115.70
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	153.85
22 01 40 81-0037	EA	Removal And Replacement Of Diverter Tub Spout	67.70
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout.....	47.67
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper.....	11.87
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow	80.63
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	42.35
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet	46.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0043	EA		Removal And Replacement Of Faucet Diverter Stem.....	29.21	
22 01 40 81-0044	EA		Removal And Replacement Of Faucet Diverter Stem And Bonnet.....	38.54	
22 01 40 81-0045	EA		Removal And Replacement Of Faucet Spout	43.29	
22 01 40 81-0046	EA		Removal And Replacement Of Faucet Stem	32.06	
22 01 40 81-0047	EA		Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard	238.80	
22 01 40 81-0048	EA		Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	300.16	
22 01 40 81-0049	EA		Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve.....	182.38	

22 05 Common Work Results for Plumbing ⁽²²⁾

22 05 13 Common Motor Requirements for Plumbing Equipment ^(22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping ^(22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping ^(22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping ^(22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping ^(22 05)

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves ^(22 05 23)

22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves ^(22 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	101.41	12.97
		For 150 Lb. Rating, Add	6.36	
		For 200 Lb. Rating, Add	9.55	
		For Work In Restricted Working Space, Add	11.33	
22 05 23 00-0004	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	103.40	12.97
		For 150 Lb. Rating, Add	6.36	
		For 200 Lb. Rating, Add	9.55	
		For Work In Restricted Working Space, Add	11.93	
22 05 23 00-0005	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	105.86	12.97
		For 150 Lb. Rating, Add	6.40	
		For 200 Lb. Rating, Add	9.60	
		For Work In Restricted Working Space, Add	12.56	
22 05 23 00-0006	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	125.19	14.27
		For 150 Lb. Rating, Add	6.88	
		For 200 Lb. Rating, Add	10.32	
		For Work In Restricted Working Space, Add	16.92	
22 05 23 00-0007	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	152.55	16.22
		For 150 Lb. Rating, Add	8.43	
		For 200 Lb. Rating, Add	12.64	
		For Work In Restricted Working Space, Add	20.48	
22 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	224.07	17.26
		For 150 Lb. Rating, Add	13.76	
		For 200 Lb. Rating, Add	20.64	
		For Work In Restricted Working Space, Add	25.94	
22 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	249.32	19.97
		For 150 Lb. Rating, Add	14.95	
		For 200 Lb. Rating, Add	22.43	
		For Work In Restricted Working Space, Add	29.93	
22 05 23 00-0010	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	299.10	23.60
		For 150 Lb. Rating, Add	18.12	
		For 200 Lb. Rating, Add	27.18	
		For Work In Restricted Working Space, Add	35.38	
22 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	684.76	31.89
		For 150 Lb. Rating, Add	52.55	
		For 200 Lb. Rating, Add	78.83	
		For Work In Restricted Working Space, Add	47.78	
		For Chain Operated Type, Add	236.48	
22 05 23 00-0012	EA	3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	803.87	37.02
		For 150 Lb. Rating, Add	62.01	
		For 200 Lb. Rating, Add	93.02	
		For Work In Restricted Working Space, Add	55.13	

22 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves ^(22 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)

22 05 23 00-0014	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	122.61	12.97
		For 150 Lb. Rating, Add	8.48	
		For 200 Lb. Rating, Add	12.73	
		For Work In Restricted Working Space, Add	11.33	
22 05 23 00-0015	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	124.42	12.97
		For 150 Lb. Rating, Add	8.47	
		For 200 Lb. Rating, Add	12.70	
		For Work In Restricted Working Space, Add	11.93	
22 05 23 00-0016	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	145.04	12.97
		For 150 Lb. Rating, Add	10.32	
		For 200 Lb. Rating, Add	15.48	
		For Work In Restricted Working Space, Add	12.56	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0017	EA		3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	164.38	14.27
			For 150 Lb. Rating, Add	10.80	
			For 200 Lb. Rating, Add	16.20	
			For Work In Restricted Working Space, Add	16.92	
22 05 23 00-0018	EA		1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	197.26	16.22
			For 150 Lb. Rating, Add	12.90	
			For 200 Lb. Rating, Add	19.35	
			For Work In Restricted Working Space, Add	20.48	
22 05 23 00-0019	EA		1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	285.22	17.26
			For 150 Lb. Rating, Add	19.87	
			For 200 Lb. Rating, Add	29.81	
			For Work In Restricted Working Space, Add	25.94	
22 05 23 00-0020	EA		1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	326.24	19.97
			For 150 Lb. Rating, Add	22.65	
			For 200 Lb. Rating, Add	33.97	
			For Work In Restricted Working Space, Add	29.93	
22 05 23 00-0021	EA		2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	417.95	23.60
			For 150 Lb. Rating, Add	30.00	
			For 200 Lb. Rating, Add	45.00	
			For Work In Restricted Working Space, Add	35.38	
22 05 23 00-0022 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves (22 05 23 00-0001)					
Note: 200 psi cold working pressure.					
22 05 23 00-0023	EA		1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	140.14	12.97
			For Work In Restricted Working Space, Add	8.76	
22 05 23 00-0024	EA		3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	157.82	14.27
			For Work In Restricted Working Space, Add	9.97	
22 05 23 00-0025	EA		1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	207.49	16.22
			For Work In Restricted Working Space, Add	11.92	
22 05 23 00-0026	EA		1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	283.14	17.26
			For Work In Restricted Working Space, Add	13.13	
22 05 23 00-0027	EA		1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	328.28	19.97
			For Work In Restricted Working Space, Add	14.60	
22 05 23 00-0028	EA		2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	452.04	23.60
			For Work In Restricted Working Space, Add	17.51	
22 05 23 00-0029 Ball Valves (22 05 23)					
22 05 23 00-0030 Crimped Bronze, Ball Valves (22 05 23 00-0029)					
22 05 23 00-0031 Crimped Bronze, 250 PSI, Ball Valves (22 05 23 00-0030)					
Note: Nibco®					
22 05 23 00-0032	EA		1/2" Crimped Bronze, 250 PSI, Ball Valve	96.20	12.97
			For Work In Restricted Working Space, Add	8.76	
22 05 23 00-0033	EA		3/4" Crimped Bronze, 250 PSI, Ball Valve	124.56	14.27
			For Work In Restricted Working Space, Add	9.97	
22 05 23 00-0034	EA		1" Crimped Bronze, 250 PSI, Ball Valve	159.92	16.22
			For Work In Restricted Working Space, Add	11.92	
22 05 23 00-0035	EA		1-1/4" Crimped Bronze, 250 PSI, Ball Valve	258.77	17.26
			For Work In Restricted Working Space, Add	13.13	
22 05 23 00-0036	EA		1-1/2" Crimped Bronze, 250 PSI, Ball Valve	342.20	19.97
			For Work In Restricted Working Space, Add	14.60	
22 05 23 00-0037	EA		2" Crimped Bronze, 250 PSI, Ball Valve	516.04	23.60
			For Work In Restricted Working Space, Add	17.51	
22 05 23 00-0038 Crimped Bronze, 200 PSI, Full Port Ball Valves (22 05 23 00-0030)					
22 05 23 00-0039	EA		1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	58.42	12.97
			For Work In Restricted Working Space, Add	8.76	
22 05 23 00-0040	EA		3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	74.32	14.27
			For Work In Restricted Working Space, Add	9.97	
22 05 23 00-0041	EA		1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	90.28	16.22
			For Work In Restricted Working Space, Add	11.92	
22 05 23 00-0042	EA		1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	125.95	17.26
			For Work In Restricted Working Space, Add	13.13	
22 05 23 00-0043	EA		1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	162.41	19.97
			For Work In Restricted Working Space, Add	14.60	
22 05 23 00-0044	EA		2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	240.08	23.60
			For Work In Restricted Working Space, Add	17.51	
22 05 23 00-0045 Crimped Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)					
22 05 23 00-0046	EA		1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	67.11	12.97
			For Work In Restricted Working Space, Add	8.76	
22 05 23 00-0047	EA		3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	80.64	14.27
			For Work In Restricted Working Space, Add	9.97	
22 05 23 00-0048	EA		1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	100.39	16.22
			For Work In Restricted Working Space, Add	11.92	
22 05 23 00-0049	EA		1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	157.54	17.26
			For Work In Restricted Working Space, Add	13.13	
22 05 23 00-0050	EA		1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	230.35	19.97
			For Work In Restricted Working Space, Add	14.60	
22 05 23 00-0051	EA		2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	319.08	23.60
			For Work In Restricted Working Space, Add	17.51	

		Plumbing 22		22
		Common Work Results for Plumbing 22 05		
		General-Duty Valves for Plumbing Piping 22 05 23		
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
22 05 23 00-0052	Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)			
22 05 23 00-0053	EA 1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	64.74	12.97	
	For Work In Restricted Working Space, Add	8.76		
22 05 23 00-0054	EA 3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	78.43	14.27	
	For Work In Restricted Working Space, Add	9.97		
22 05 23 00-0055	EA 1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	95.33	16.22	
	For Work In Restricted Working Space, Add	11.92		
22 05 23 00-0056	Check Valves (22 05 23)			
22 05 23 00-0057	Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves (22 05 23 00-0056)			
	Note: Nibco®			
22 05 23 00-0058	EA 1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve.....	184.05	12.97	
	For Work In Restricted Working Space, Add	8.76		
22 05 23 00-0059	EA 3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve.....	234.34	14.27	
	For Work In Restricted Working Space, Add	9.97		
22 05 23 00-0060	EA 1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve.....	324.02	16.22	
	For Work In Restricted Working Space, Add	11.92		
22 05 23 00-0061	EA 1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve.....	432.09	17.26	
	For Work In Restricted Working Space, Add	13.13		
22 05 23 00-0062	EA 1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve.....	515.55	19.97	
	For Work In Restricted Working Space, Add	14.60		
22 05 23 00-0063	EA 2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve.....	737.94	23.60	
	For Work In Restricted Working Space, Add	17.51		
22 05 23 00-0064	Crimped Bronze, 250 PSI, In-Line, Check Valves (22 05 23 00-0056)			
22 05 23 00-0065	EA 1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	51.75	12.97	
	For Work In Restricted Working Space, Add	8.76		
22 05 23 00-0066	EA 3/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	62.11	14.27	
	For Work In Restricted Working Space, Add	9.97		
22 05 23 00-0067	EA 1" Crimped Bronze, 200 PSI, In-Line Check Valve.....	72.99	16.22	
	For Work In Restricted Working Space, Add	11.92		
22 05 23 00-0068	EA 1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	91.89	17.26	
	For Work In Restricted Working Space, Add	13.13		
22 05 23 00-0069	EA 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	116.95	19.97	
	For Work In Restricted Working Space, Add	14.60		
22 05 23 00-0070	EA 2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	182.68	23.60	
	For Work In Restricted Working Space, Add	17.51		
22 05 23 00-0071	Butterfly Valves (22 05 23)			
22 05 23 00-0072	Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (22 05 23 00-0071)			
22 05 23 00-0073	EA 2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,376.66	34.63	
	For Work In Restricted Working Space, Add	20.43		
22 05 23 00-0074	EA 3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,490.30	40.22	
	For Work In Restricted Working Space, Add	24.32		
22 05 23 00-0075	EA 4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,862.93	45.40	
	For Work In Restricted Working Space, Add	32.10		
22 05 23 00-0076	Oxygen (Medical) Service Ball Valve (22 05 23)			
22 05 23 00-0077	EA 1/2" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HE6).....	377.39	23.60	
22 05 23 00-0078	EA 3/4" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HE8).....	389.28	25.95	
22 05 23 00-0079	EA 1" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HCA).....	524.57	27.37	
22 05 23 00-0080	EA 1-1/4" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HEB).....	638.66	34.63	
22 05 23 00-0081	EA 1-1/2" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ93HEC).....	555.99	39.95	
22 05 23 00-0082	EA 2" Pipe, Full Port, Bronze, 3 Piece, Inline, One Way Flow, Oxygen Service Ball Valves With Lever Handle (Nibco NJ9210D).....	847.31	47.22	
22 05 29	Hangers and Supports for Plumbing Piping and Equipment (22 05)			
	See CSI section 23 05 29 00-0000 for hangers and supports.			
22 05 33	Heat Tracing for Plumbing Piping (22 05)			
	See CSI section 23 83 13 00-0000 for heat tracing cables.			
22 05 48	Vibration and Seismic Controls for Plumbing Piping and Equipment (22 05)			
22 05 48 13	Vibration Controls for Plumbing Piping and Equipment (22 05 48)			
	See CSI section 23 05 48 13-0000 for vibration and seismic control.			
22 05 53	Identification for Plumbing Piping and Equipment (22 05)			
	See CSI section 23 05 53 00-0000 for identification.			
22 05 76	Facility Drainage Piping Cleanouts (22 05)			
22 05 76 00-0001	Cast Iron Cleanout With Plug And Cover (22 05 76)			

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover (22 05 76 00-0001)			
22 05 76 00-0003	EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover	774.97	69.01
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
	For Carpet Marker, Add	16.00	
	For Carpet Flange, Add	58.50	
	For Wide Flange, Add	97.00	
22 05 76 00-0004	EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover	836.39	86.52
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
	For Carpet Marker, Add	16.00	
	For Carpet Flange, Add	58.50	
	For Wide Flange, Add	97.00	
22 05 76 00-0005	EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover	1,044.66	104.55
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
	For Carpet Marker, Add	16.00	
	For Carpet Flange, Add	58.50	
	For Wide Flange, Add	97.00	
22 05 76 00-0006	EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover	1,502.18	117.00
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
	For Carpet Marker, Add	16.00	
	For Carpet Flange, Add	58.50	
	For Wide Flange, Add	97.00	
22 05 76 00-0007	EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Brass Screw Plug And Nickel Bronze Cover	1,850.55	126.73
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
	For Carpet Marker, Add	16.00	
	For Carpet Flange, Add	58.50	
	For Wide Flange, Add	97.00	
22 05 76 00-0008 Cast Iron Heavy-Duty Cleanout With Plug And Round Cover (22 05 76 00-0001)			
22 05 76 00-0009	EA 2" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	894.05	69.01
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
	For Carpet Marker, Add	16.00	
	For Carpet Flange, Add	58.50	
	For Wide Flange, Add	97.00	
22 05 76 00-0010	EA 3" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	957.36	86.52
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
	For Carpet Marker, Add	16.00	
	For Carpet Flange, Add	58.50	
	For Wide Flange, Add	97.00	
22 05 76 00-0011	EA 4" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,165.63	104.55
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
	For Carpet Marker, Add	16.00	
	For Carpet Flange, Add	58.50	
	For Wide Flange, Add	97.00	
22 05 76 00-0012	EA 5" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,623.15	117.00
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
	For Carpet Marker, Add	16.00	
	For Carpet Flange, Add	58.50	
	For Wide Flange, Add	97.00	
22 05 76 00-0013	EA 6" Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,971.52	126.73
	For Vandal Proof, Add	19.50	
	For Galvanized Ferrule, Add	45.00	
	For Carpet Marker, Add	16.00	
	For Carpet Flange, Add	58.50	
	For Wide Flange, Add	97.00	
22 05 76 00-0014 Wall Cover For Cleanout (22 05 76)	Note: Cover and screw only.		
22 05 76 00-0015 Round Access Cover, Bronze Polished Top (22 05 76 00-0014)	Note: Cover and screw only.		
22 05 76 00-0016	EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed	92.10	21.66
	For Stainless Steel, Add	9.00	
	For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017	EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed	100.75	25.95
	For Stainless Steel, Add	9.00	
	For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018	EA 7" Diameter Wall Cover For Cleanout, Screwed	126.53	29.19
	For Stainless Steel, Add	9.00	
	For Vandal Proof Screws, Add	19.50	
22 05 76 00-0019	EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed	205.01	32.43
	For Stainless Steel, Add	9.00	
	For Vandal Proof Screws, Add	19.50	
22 05 76 00-0020	EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed	301.51	35.67
	For Stainless Steel, Add	9.00	
	For Vandal Proof Screws, Add	19.50	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover.....	592.10	21.66
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover.....	853.44	22.70
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover.....	911.93	24.00
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover.....	1,020.06	27.24
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel.....	602.59	21.66
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel.....	868.89	22.70
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel.....	928.45	24.00
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel.....	1,038.53	27.24
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated.....	584.47	21.66
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated.....	809.33	22.70
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0034 EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated.....	1,148.57	24.00
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0035 EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated.....	1,390.71	27.24
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0036 Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036)		
Note: Satin smooth secured cover.		
22 05 76 00-0038 EA 2" Cleanout Tee With Cast Brass Screw Plug And Round Polished Bronze Cover.....	560.87	69.01
For Vandal Proof Screws, Add	19.50	
For Scoriated Hinged Cover, Add	63.43	
For Galvanized Cast Iron Parts, Add	88.80	
22 05 76 00-0039 EA 3" Cleanout Tee With Cast Brass Screw Plug And Round Polished Bronze Cover.....	639.83	86.39
For Vandal Proof Screws, Add	19.50	
For Scoriated Hinged Cover, Add	70.04	
For Galvanized Cast Iron Parts, Add	88.80	
22 05 76 00-0040 EA 4" Cleanout Tee With Cast Brass Screw Plug And Round Polished Bronze Cover.....	836.52	104.55
For Vandal Proof Screws, Add	19.50	
For Scoriated Hinged Cover, Add	94.09	
For Galvanized Cast Iron Parts, Add	88.80	
22 05 76 00-0041 EA 6" Cleanout Tee With Cast Brass Screw Plug And Round Polished Bronze Cover.....	2,014.98	126.73
For Vandal Proof Screws, Add	19.50	
For Scoriated Hinged Cover, Add	264.24	
For Galvanized Cast Iron Parts, Add	88.80	
22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover (22 05 76 00-0036)		
Note: Satin smooth secured cover.		
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	983.74	69.01
For Vandal Proof Screws, Add	19.50	
For Scoriated Hinged Cover, Add	126.86	
For Galvanized Cast Iron Parts, Add	88.80	
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	1,062.70	86.39
For Vandal Proof Screws, Add	19.50	
For Scoriated Hinged Cover, Add	133.47	
For Galvanized Cast Iron Parts, Add	88.80	
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	1,231.33	104.55
For Vandal Proof Screws, Add	19.50	
For Scoriated Hinged Cover, Add	153.32	
For Galvanized Cast Iron Parts, Add	88.80	
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	2,586.16	126.73
For Vandal Proof Screws, Add	19.50	
For Scoriated Hinged Cover, Add	349.92	
For Galvanized Cast Iron Parts, Add	88.80	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug (22 05 76 00-0036)			
22 05 76 00-0048	EA 2" Cleanout Tee With Cast Bronze Screw Plug	459.87	56.42
22 05 76 00-0049	EA 3" Cleanout Tee With Cast Bronze Screw Plug	514.37	61.62
22 05 76 00-0050	EA 4" Cleanout Tee With Cast Bronze Screw Plug	685.68	81.08
22 05 76 00-0051	EA 5" Cleanout Tee With Cast Bronze Screw Plug	1,034.44	96.00
22 05 76 00-0052	EA 6" Cleanout Tee With Cast Bronze Screw Plug	1,771.52	113.50
22 05 76 00-0053 Removable Cleanout Plug (22 05 76)			
22 05 76 00-0054 Threaded Bronze Plugs (22 05 76 00-0053)			
22 05 76 00-0055	EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	86.47	16.22
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0056	EA 2-1/2" Threaded Bronze Plug	103.78	17.64
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0057	EA 3" Threaded Bronze Plug	178.69	19.46
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0058	EA 3-1/2" Threaded Bronze Plug	199.90	22.70
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0059	EA 4" Threaded Bronze Plug	226.00	25.95
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0060	EA 5" Threaded Bronze Plug	318.28	29.19
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0061	EA 6" Threaded Bronze Plug	469.38	32.43
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0062	EA 8" Threaded Bronze Plug	794.38	35.67
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0063	EA 10" Threaded Bronze Plug	1,144.00	38.92
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0064 Threaded Brass Plugs (22 05 76 00-0053)			
22 05 76 00-0065	EA 1-1/2" Threaded Brass Plug, Raised Head	35.89	16.21
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0066	EA 2" Threaded Brass Plug, Raised Head	36.50	16.21
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0067	EA 2-1/2" Threaded Brass Plug, Raised Head	39.78	17.64
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0068	EA 3" Threaded Brass Plug, Raised Head	44.99	19.46
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0069	EA 3-1/2" Threaded Brass Plug, Raised Head	53.10	22.70
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0070	EA 4" Threaded Brass Plug, Raised Head	62.32	25.94
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071	EA 4-1/2" Threaded Brass Plug, Raised Head	66.91	27.32
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072	EA 5" Threaded Brass Plug, Raised Head	71.88	29.19
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073	EA 6" Threaded Brass Plug, Raised Head	92.99	32.43
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074	EA 1-1/2" Threaded Brass Plug, Countersunk Head	35.42	16.21
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075	EA 2" Threaded Brass Plug, Countersunk Head	36.09	16.21
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0076	EA 2-1/2" Threaded Brass Plug, Countersunk Head	41.09	17.64
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0077	EA 3" Threaded Brass Plug, Countersunk Head	45.18	19.46
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0078	EA 3-1/2" Threaded Brass Plug, Countersunk Head	52.54	22.70
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0079	EA 4" Threaded Brass Plug, Countersunk Head	61.43	25.95
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0080	EA 5" Threaded Brass Plug, Countersunk Head	71.40	29.19
	For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0081	EA 6" Threaded Brass Plug, Countersunk Head	85.14	32.43
	For Plug Tapped For Center Screw, Add	9.50	

22 07 Plumbing Insulation (22)**22 07 16 Plumbing Equipment Insulation** (22 07)

22 07 16 00-0001 Lavatory Insulation (22 07 16)			
22 07 16 00-0002	EA Neoprene Insulation Kit For Under Lavatories	382.58	28.39

22 07 19 Plumbing Piping Insulation (22 07)

22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation (22 07 19)			
Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
22 07 19 00-0002			1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0003	LF		1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.60	2.78
22 07 19 00-0004	LF		3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.83	2.78
22 07 19 00-0005	LF		1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.45	2.90
22 07 19 00-0006	LF		1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.84	3.03
22 07 19 00-0007	LF		1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.17	3.03
22 07 19 00-0008	LF		2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.82	3.15
22 07 19 00-0009	LF		2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.44	3.28
22 07 19 00-0010	LF		3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.15	3.41
22 07 19 00-0011	LF		4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.02	3.66
22 07 19 00-0012	LF		6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.75	4.29
22 07 19 00-0013			1" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0014	LF		1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.86	3.78
22 07 19 00-0015	LF		3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.22	3.78
22 07 19 00-0016	LF		1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.43	3.78
22 07 19 00-0017	LF		1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.96	3.91
22 07 19 00-0018	LF		1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.35	3.91
22 07 19 00-0019	LF		2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.98	4.04
22 07 19 00-0020	LF		2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.81	4.29
22 07 19 00-0021	LF		3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.66	4.42
22 07 19 00-0022	LF		4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.96	4.67
22 07 19 00-0023	LF		6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.98	5.42
22 07 19 00-0024	LF		8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.34	6.06
22 07 19 00-0025	LF		10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.15	7.20
22 07 19 00-0026	LF		12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.87	8.20
22 07 19 00-0027	LF		14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.94	8.96
22 07 19 00-0028			1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0029	LF		1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.85	3.89
22 07 19 00-0030	LF		3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.08	3.89
22 07 19 00-0031	LF		1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.99	4.13
22 07 19 00-0032	LF		1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.62	4.22
22 07 19 00-0033	LF		1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.16	4.29
22 07 19 00-0034	LF		2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.39	4.52
22 07 19 00-0035	LF		2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.28	4.59
22 07 19 00-0036	LF		3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.94	4.76
22 07 19 00-0037	LF		4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.16	5.15
22 07 19 00-0038	LF		6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.79	6.01
22 07 19 00-0039	LF		8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.27	6.33
22 07 19 00-0040	LF		10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.06	7.59
22 07 19 00-0041	LF		12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.93	8.84
22 07 19 00-0042	LF		14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	47.04	9.68
22 07 19 00-0043			2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0044	LF		1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.78	4.29
22 07 19 00-0045	LF		3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.05	4.29
22 07 19 00-0046	LF		1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.77	4.42
22 07 19 00-0047	LF		1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.42	4.42
22 07 19 00-0048	LF		1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.10	4.54
22 07 19 00-0049	LF		2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.93	4.67
22 07 19 00-0050	LF		2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.13	4.79
22 07 19 00-0051	LF		3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.44	5.05
22 07 19 00-0052	LF		4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.90	5.30
22 07 19 00-0053	LF		6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.97	6.22
22 07 19 00-0054	LF		8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.62	6.57
22 07 19 00-0055	LF		10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.03	7.86
22 07 19 00-0056	LF		12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	51.61	9.43
22 07 19 00-0057	LF		14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	65.28	10.28
22 07 19 00-0058	LF		16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	69.27	12.05
22 07 19 00-0059	LF		18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	77.26	12.66
22 07 19 00-0060	LF		20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	87.50	14.46
22 07 19 00-0061	LF		24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	101.37	17.48
22 07 19 00-0062			2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)		
22 07 19 00-0063	LF		1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.70	5.05
22 07 19 00-0064	LF		3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.08	5.05
22 07 19 00-0065	LF		1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.13	5.05
22 07 19 00-0066	LF		1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.91	5.17
22 07 19 00-0067	LF		1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.74	5.17
22 07 19 00-0068	LF		2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.88	5.42
22 07 19 00-0069	LF		2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.56	5.55
22 07 19 00-0070	LF		3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.07	5.81
22 07 19 00-0071	LF		4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.61	6.06
22 07 19 00-0072	LF		6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.85	6.43
22 07 19 00-0073	LF		8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	55.24	7.70
22 07 19 00-0074	LF		10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	66.12	8.84
22 07 19 00-0075	LF		12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	74.72	10.98
22 07 19 00-0076	LF		14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	84.70	12.12
22 07 19 00-0077	LF		16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	99.12	15.40

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	106.78	16.15
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	121.13	18.43
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	142.19	22.26

22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)

22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.24	5.58
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.65	5.58
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.72	5.63
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.57	5.67
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.52	5.73
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.72	5.95
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.55	6.15
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.23	6.37
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.13	6.72
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	44.88	7.64
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	60.66	8.50
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	72.63	9.81
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	82.09	12.20
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	93.04	13.32
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	108.88	17.02
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	117.29	17.88
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	133.08	20.44
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	156.21	24.67

22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)

22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.31	6.06
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.79	6.06
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.38	6.06
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.29	6.18
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.36	6.18
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.60	6.43
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.63	6.69
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.33	6.94
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.76	7.32
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	49.00	8.33
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	66.25	9.21
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	79.34	10.60
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	89.66	13.24
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	101.65	14.51
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	118.97	18.43
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	128.13	19.43
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	145.40	22.21
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	170.65	26.75

22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)

22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.29	6.81
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.82	6.81
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.23	6.81
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.40	6.94
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.93	7.20
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.33	7.45
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.20	7.45
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.30	7.82
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.07	8.20
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	55.12	9.34
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	74.54	10.09
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	89.27	11.99
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	100.89	14.88
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	114.39	16.27
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	133.89	20.82
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	144.08	21.83
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	161.36	24.99
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	192.00	30.16

22 07 19 00-0138 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell (22 07 19)

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0139 1" Thick Foamglas Pipe Insulation (22 07 19 00-0138)

22 07 19 00-0140	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	22.18	6.16
		For Work In Restricted Working Space, Add	5.60	
22 07 19 00-0141	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation.....	23.07	6.16
		For Work In Restricted Working Space, Add	5.60	
22 07 19 00-0142	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation.....	24.24	6.25
		For Work In Restricted Working Space, Add	5.67	
22 07 19 00-0143	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation.....	24.82	6.33
		For Work In Restricted Working Space, Add	5.76	
22 07 19 00-0144	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	25.69	6.42
		For Work In Restricted Working Space, Add	5.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0145	LF		2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.38 6.01	6.60
22 07 19 00-0146	LF		2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.48 6.25	6.87
22 07 19 00-0147	LF		3" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.77 6.41	7.05
22 07 19 00-0148	LF		4" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.69 6.89	7.59
22 07 19 00-0149	LF		6" Diameter Pipe, 1" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	46.66 7.78	8.55
22 07 19 00-0150 1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)					
22 07 19 00-0151	LF		1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.24 6.01	6.82
22 07 19 00-0152	LF		3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.81 6.01	6.82
22 07 19 00-0153	LF		1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.64 6.08	6.91
22 07 19 00-0154	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	28.31 6.16	7.00
22 07 19 00-0155	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	28.94 6.25	7.10
22 07 19 00-0156	LF		2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.37 6.45	7.33
22 07 19 00-0157	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	35.50 6.70	7.61
22 07 19 00-0158	LF		3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.17 6.89	7.84
22 07 19 00-0159	LF		4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	44.35 7.34	8.34
22 07 19 00-0160	LF		6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	52.21 8.31	9.45
22 07 19 00-0161	LF		8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	58.40 9.27	10.54
22 07 19 00-0162	LF		10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	70.83 10.69	12.15
22 07 19 00-0163	LF		12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	84.06 13.28	15.10
22 07 19 00-0164	LF		14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	93.39 14.44	15.89
22 07 19 00-0165	LF		16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	102.82 16.13	17.74
22 07 19 00-0166	LF		18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	116.55 19.08	20.98
22 07 19 00-0167	LF		20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	130.20 21.12	23.23
22 07 19 00-0168	LF		24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation..... <i>For Work In Restricted Working Space, Add</i>	162.50 23.40	25.74
22 07 19 00-0169 2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)					
22 07 19 00-0170	LF		1/2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	29.49 6.41	7.05
22 07 19 00-0171	LF		3/4" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	30.37 6.41	7.05
22 07 19 00-0172	LF		1" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.50 6.49	7.12
22 07 19 00-0173	LF		1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	33.14 6.57	7.23
22 07 19 00-0174	LF		1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	34.82 6.65	7.32
22 07 19 00-0175	LF		2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	38.91 6.89	7.59
22 07 19 00-0176	LF		2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	40.82 7.14	7.86
22 07 19 00-0177	LF		3" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	43.79 7.38	8.11
22 07 19 00-0178	LF		4" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	49.30 7.79	8.56
22 07 19 00-0179	LF		6" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	58.96 8.84	9.73
22 07 19 00-0180	LF		8" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	65.64 9.86	10.85
22 07 19 00-0181	LF		10" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	79.88 11.37	12.51
22 07 19 00-0182	LF		12" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	98.95 14.13	15.55
22 07 19 00-0183	LF		14" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	105.71 15.42	16.97
22 07 19 00-0184	LF		16" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	124.97 19.72	21.69
22 07 19 00-0185	LF		18" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	136.26 20.70	22.77
22 07 19 00-0186	LF		20" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	150.74 23.66	26.03
22 07 19 00-0187	LF		24" Diameter Pipe, 2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	189.07 28.59	31.44

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0188		2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)			
22 07 19 00-0189	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	35.82	7.65	
		For Work In Restricted Working Space, Add	6.95		
22 07 19 00-0190	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	37.30	7.64	
		For Work In Restricted Working Space, Add	6.94		
22 07 19 00-0191	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.19	7.76	
		For Work In Restricted Working Space, Add	7.06		
22 07 19 00-0192	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	40.87	7.82	
		For Work In Restricted Working Space, Add	7.11		
22 07 19 00-0193	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	42.55	7.89	
		For Work In Restricted Working Space, Add	7.16		
22 07 19 00-0194	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	45.62	8.20	
		For Work In Restricted Working Space, Add	7.46		
22 07 19 00-0195	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	48.54	8.49	
		For Work In Restricted Working Space, Add	7.72		
22 07 19 00-0196	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	52.73	8.79	
		For Work In Restricted Working Space, Add	7.99		
22 07 19 00-0197	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	59.10	9.26	
		For Work In Restricted Working Space, Add	8.42		
22 07 19 00-0198	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	70.67	10.54	
		For Work In Restricted Working Space, Add	9.58		
22 07 19 00-0199	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	78.75	11.74	
		For Work In Restricted Working Space, Add	10.68		
22 07 19 00-0200	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	89.84	13.53	
		For Work In Restricted Working Space, Add	12.31		
22 07 19 00-0201	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	111.88	16.84	
		For Work In Restricted Working Space, Add	15.30		
22 07 19 00-0202	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	116.64	18.38	
		For Work In Restricted Working Space, Add	16.70		
22 07 19 00-0203	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	137.48	23.48	
		For Work In Restricted Working Space, Add	21.35		
22 07 19 00-0204	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	149.52	24.65	
		For Work In Restricted Working Space, Add	22.42		
22 07 19 00-0205	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	171.92	28.18	
		For Work In Restricted Working Space, Add	25.62		
22 07 19 00-0206	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	215.34	34.05	
		For Work In Restricted Working Space, Add	30.95		

22 07 19 00-0207		3" Thick Foamglas Pipe Insulation (22 07 19 00-0138)			
22 07 19 00-0208	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	43.31	8.12	
		For Work In Restricted Working Space, Add	7.39		
22 07 19 00-0209	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	44.21	8.12	
		For Work In Restricted Working Space, Add	7.39		
22 07 19 00-0210	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	45.51	8.26	
		For Work In Restricted Working Space, Add	7.51		
22 07 19 00-0211	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	46.58	8.31	
		For Work In Restricted Working Space, Add	7.56		
22 07 19 00-0212	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	47.70	8.39	
		For Work In Restricted Working Space, Add	7.62		
22 07 19 00-0213	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	51.27	8.73	
		For Work In Restricted Working Space, Add	7.94		
22 07 19 00-0214	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	54.69	9.04	
		For Work In Restricted Working Space, Add	8.21		
22 07 19 00-0215	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	62.19	9.35	
		For Work In Restricted Working Space, Add	8.50		
22 07 19 00-0216	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	71.01	9.85	
		For Work In Restricted Working Space, Add	8.96		
22 07 19 00-0217	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	77.73	11.20	
		For Work In Restricted Working Space, Add	10.19		
22 07 19 00-0218	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	87.81	12.49	
		For Work In Restricted Working Space, Add	11.36		
22 07 19 00-0219	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	104.77	14.41	
		For Work In Restricted Working Space, Add	13.10		
22 07 19 00-0220	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	121.64	17.90	
		For Work In Restricted Working Space, Add	16.28		
22 07 19 00-0221	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	130.21	19.54	
		For Work In Restricted Working Space, Add	17.77		
22 07 19 00-0222	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	155.39	24.99	
		For Work In Restricted Working Space, Add	22.71		
22 07 19 00-0223	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	166.36	26.23	
		For Work In Restricted Working Space, Add	23.85		
22 07 19 00-0224	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	195.00	29.98	
		For Work In Restricted Working Space, Add	27.25		
22 07 19 00-0225	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	238.42	36.23	
		For Work In Restricted Working Space, Add	32.93		

22 07 19 00-0226		3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)			
22 07 19 00-0227	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	52.16	9.85	
		For Work In Restricted Working Space, Add	8.96		
22 07 19 00-0228	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	53.29	9.85	
		For Work In Restricted Working Space, Add	8.96		
22 07 19 00-0229	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	54.61	9.91	
		For Work In Restricted Working Space, Add	9.02		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0230	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	55.93	9.98	
		<i>For Work In Restricted Working Space, Add</i>	9.08		
22 07 19 00-0231	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	57.44	10.10	
		<i>For Work In Restricted Working Space, Add</i>	9.19		
22 07 19 00-0232	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	63.25	10.46	
		<i>For Work In Restricted Working Space, Add</i>	9.50		
22 07 19 00-0233	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	69.11	10.83	
		<i>For Work In Restricted Working Space, Add</i>	9.84		
22 07 19 00-0234	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	73.01	11.20	
		<i>For Work In Restricted Working Space, Add</i>	10.19		
22 07 19 00-0235	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	78.21	11.84	
		<i>For Work In Restricted Working Space, Add</i>	10.77		
22 07 19 00-0236	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	90.05	13.45	
		<i>For Work In Restricted Working Space, Add</i>	12.23		
22 07 19 00-0237	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	102.41	14.97	
		<i>For Work In Restricted Working Space, Add</i>	13.61		
22 07 19 00-0238	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	122.55	17.29	
		<i>For Work In Restricted Working Space, Add</i>	15.71		
22 07 19 00-0239	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	144.71	21.48	
		<i>For Work In Restricted Working Space, Add</i>	19.53		
22 07 19 00-0240	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	150.87	23.46	
		<i>For Work In Restricted Working Space, Add</i>	21.32		
22 07 19 00-0241	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	180.70	29.98	
		<i>For Work In Restricted Working Space, Add</i>	27.25		
22 07 19 00-0242	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	198.74	31.48	
		<i>For Work In Restricted Working Space, Add</i>	28.62		
22 07 19 00-0243	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	226.25	36.00	
		<i>For Work In Restricted Working Space, Add</i>	32.73		
22 07 19 00-0244	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation.....	277.90	43.46	
		<i>For Work In Restricted Working Space, Add</i>	39.52		
22 07 19 00-0245 4" Thick Foamglas Pipe Insulation (22 07 19 00-0138)					
22 07 19 00-0246	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation.....	63.50	12.12	
		<i>For Work In Restricted Working Space, Add</i>	11.01		
22 07 19 00-0247	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation.....	64.95	12.12	
		<i>For Work In Restricted Working Space, Add</i>	11.01		
22 07 19 00-0248	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation.....	67.04	12.32	
		<i>For Work In Restricted Working Space, Add</i>	11.20		
22 07 19 00-0249	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation.....	68.93	12.47	
		<i>For Work In Restricted Working Space, Add</i>	11.33		
22 07 19 00-0250	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation.....	71.56	12.86	
		<i>For Work In Restricted Working Space, Add</i>	11.68		
22 07 19 00-0251	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation.....	77.38	13.24	
		<i>For Work In Restricted Working Space, Add</i>	12.05		
22 07 19 00-0252	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation.....	82.58	13.46	
		<i>For Work In Restricted Working Space, Add</i>	12.23		
22 07 19 00-0253	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation.....	86.71	13.96	
		<i>For Work In Restricted Working Space, Add</i>	12.68		
22 07 19 00-0254	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation.....	94.74	15.56	
		<i>For Work In Restricted Working Space, Add</i>	14.15		
22 07 19 00-0255	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation.....	109.73	16.70	
		<i>For Work In Restricted Working Space, Add</i>	15.19		
22 07 19 00-0256	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation.....	123.96	18.11	
		<i>For Work In Restricted Working Space, Add</i>	16.47		
22 07 19 00-0257	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation.....	141.89	21.53	
		<i>For Work In Restricted Working Space, Add</i>	19.57		
22 07 19 00-0258	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation.....	165.61	26.74	
		<i>For Work In Restricted Working Space, Add</i>	24.30		
22 07 19 00-0259	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation.....	180.06	29.19	
		<i>For Work In Restricted Working Space, Add</i>	26.55		
22 07 19 00-0260	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation.....	213.45	37.33	
		<i>For Work In Restricted Working Space, Add</i>	33.94		
22 07 19 00-0261	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation.....	237.73	39.13	
		<i>For Work In Restricted Working Space, Add</i>	35.57		
22 07 19 00-0262	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation.....	266.40	44.78	
		<i>For Work In Restricted Working Space, Add</i>	40.71		
22 07 19 00-0263	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation.....	338.17	54.10	
		<i>For Work In Restricted Working Space, Add</i>	49.18		
22 07 19 00-0264 Polyisocyanurate Pipe Insulation (22 07 19)					
Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.					
22 07 19 00-0265 1/2" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0264)					
22 07 19 00-0266	LF	1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	11.31	2.90	
22 07 19 00-0267	LF	3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	12.53	3.03	
22 07 19 00-0268	LF	1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	13.22	3.28	
22 07 19 00-0269	LF	1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	13.93	3.41	
22 07 19 00-0270	LF	1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	14.35	3.41	
22 07 19 00-0271	LF	2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	15.16	3.53	
22 07 19 00-0272	LF	2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	16.27	3.66	
22 07 19 00-0273	LF	3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	17.34	3.91	
22 07 19 00-0274	LF	4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	20.44	4.67	
22 07 19 00-0275	LF	6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	24.48	5.30	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0276	LF	8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	28.96	6.18
22 07 19 00-0277	LF	10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	32.67	6.69
22 07 19 00-0278	LF	12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	38.83	8.20

22 07 19 00-0279 1" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0264)

22 07 19 00-0280	LF	1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	13.29	3.03
22 07 19 00-0281	LF	3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	14.98	3.28
22 07 19 00-0282	LF	1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	15.81	3.41
22 07 19 00-0283	LF	1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	16.69	3.53
22 07 19 00-0284	LF	1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	17.43	3.66
22 07 19 00-0285	LF	2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	18.46	3.66
22 07 19 00-0286	LF	2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	19.88	3.91
22 07 19 00-0287	LF	3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	21.39	4.17
22 07 19 00-0288	LF	4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	25.29	4.92
22 07 19 00-0289	LF	6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	31.97	6.18
22 07 19 00-0290	LF	8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	38.45	7.32
22 07 19 00-0291	LF	10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	44.00	8.20
22 07 19 00-0292	LF	12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	49.75	9.21

22 07 19 00-0293 1-1/2" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0264)

22 07 19 00-0294	LF	3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	16.93	3.41
22 07 19 00-0295	LF	1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	17.90	3.53
22 07 19 00-0296	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	19.01	3.66
22 07 19 00-0297	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	19.86	3.78
22 07 19 00-0298	LF	2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	21.12	3.91
22 07 19 00-0299	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	22.89	4.17
22 07 19 00-0300	LF	3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	24.64	4.29
22 07 19 00-0301	LF	4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	29.19	5.30
22 07 19 00-0302	LF	6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	37.33	6.69
22 07 19 00-0303	LF	8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	45.44	8.20
22 07 19 00-0304	LF	10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	52.31	9.21
22 07 19 00-0305	LF	12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	57.73	9.84

22 07 19 00-0306 2" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0264)

22 07 19 00-0307	LF	3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	21.76	3.53
22 07 19 00-0308	LF	1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	23.13	3.66
22 07 19 00-0309	LF	1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	24.38	3.91
22 07 19 00-0310	LF	1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	25.40	3.91
22 07 19 00-0311	LF	2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	26.37	4.17
22 07 19 00-0312	LF	2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	28.61	4.42
22 07 19 00-0313	LF	3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	30.08	4.67
22 07 19 00-0314	LF	4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	35.86	5.68
22 07 19 00-0315	LF	6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	43.66	7.32
22 07 19 00-0316	LF	8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	57.11	9.21
22 07 19 00-0317	LF	10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	60.76	10.60
22 07 19 00-0318	LF	12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	66.19	11.35

22 07 19 00-0319 Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19)

Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0320 3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0319)

22 07 19 00-0321	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.05	3.77
22 07 19 00-0322	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.06	3.77
22 07 19 00-0323	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.39	3.91
22 07 19 00-0324	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.73	4.04
22 07 19 00-0325	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.04	4.12
22 07 19 00-0326	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.41	4.18
22 07 19 00-0327	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.56	4.18
22 07 19 00-0328	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.98	4.18
22 07 19 00-0329	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.80	4.31
22 07 19 00-0330	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.16	4.38

22 07 19 00-0331 1/2" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0319)

22 07 19 00-0332	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	8.93	4.12
22 07 19 00-0333	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.03	4.12
22 07 19 00-0334	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.18	4.18
22 07 19 00-0335	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.36	4.21
22 07 19 00-0336	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.82	4.31
22 07 19 00-0337	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.22	4.38
22 07 19 00-0338	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.67	4.44
22 07 19 00-0339	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.20	4.51
22 07 19 00-0340	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.15	4.64
22 07 19 00-0341	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.12	4.71
22 07 19 00-0342	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.04	4.77
22 07 19 00-0343	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.60	4.83

22 07 19 00-0344 3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0319)

22 07 19 00-0345	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	9.95	4.44
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0346	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.07	4.51
22 07 19 00-0347	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.72	4.64
22 07 19 00-0348	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.00	4.71
22 07 19 00-0349	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.80	4.83
22 07 19 00-0350	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.60	4.91
22 07 19 00-0351	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.96	4.93
22 07 19 00-0352	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.44	4.97
22 07 19 00-0353	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.48	5.10
22 07 19 00-0354	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.61	5.17
22 07 19 00-0355	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	18.08	5.23
22 07 19 00-0356	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	18.69	5.30
22 07 19 00-0357 1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0319)				
22 07 19 00-0358	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.31	4.91
22 07 19 00-0359	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.60	4.97
22 07 19 00-0360	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.51	5.10
22 07 19 00-0361	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.79	5.17
22 07 19 00-0362	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.16	5.30
22 07 19 00-0363	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	14.84	5.43
22 07 19 00-0364	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	15.11	5.50
22 07 19 00-0365	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	16.43	5.56
22 07 19 00-0366	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	17.37	5.71
22 07 19 00-0367	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	18.19	5.77
22 07 19 00-0368 Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19)				
Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.				
22 07 19 00-0369 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0368)				
22 07 19 00-0370	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.18	3.77
22 07 19 00-0371	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.28	3.77
22 07 19 00-0372	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.60	3.91
22 07 19 00-0373	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.79	3.97
22 07 19 00-0374	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.99	4.04
22 07 19 00-0375	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.23	4.12
22 07 19 00-0376	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.46	4.18
22 07 19 00-0377	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.66	4.18
22 07 19 00-0378	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.84	4.18
22 07 19 00-0379	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.03	4.24
For Work In Restricted Working Space, Add			2.54	
22 07 19 00-0380	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.31	4.31
22 07 19 00-0381	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.54	4.31
22 07 19 00-0382	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.71	4.38
22 07 19 00-0383	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.95	4.38
22 07 19 00-0384	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.45	4.44
22 07 19 00-0385	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.04	4.51
22 07 19 00-0386	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.67	4.53
22 07 19 00-0387 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0368)				
22 07 19 00-0388	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.15	4.12
22 07 19 00-0389	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.26	4.12
22 07 19 00-0390	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.40	4.18
22 07 19 00-0391	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.57	4.18
For Work In Restricted Working Space, Add			2.52	
22 07 19 00-0392	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.69	4.18
22 07 19 00-0393	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.04	4.31
22 07 19 00-0394	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.37	4.38
22 07 19 00-0395	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.67	4.44
22 07 19 00-0396	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.94	4.48
For Work In Restricted Working Space, Add			2.69	
22 07 19 00-0397	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.17	4.51
22 07 19 00-0398	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.01	4.58
For Work In Restricted Working Space, Add			2.75	
22 07 19 00-0399	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.53	4.64
22 07 19 00-0400	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.90	4.68
For Work In Restricted Working Space, Add			2.81	
22 07 19 00-0401	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.22	4.71
22 07 19 00-0402	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.47	4.74
For Work In Restricted Working Space, Add			2.84	
22 07 19 00-0403	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.68	4.77
22 07 19 00-0404	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.63	4.83
22 07 19 00-0405	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	14.86	4.87
For Work In Restricted Working Space, Add			2.92	
22 07 19 00-0406	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	15.77	4.91
22 07 19 00-0407	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	16.91	5.03
For Work In Restricted Working Space, Add			3.02	
22 07 19 00-0408	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	18.16	5.17
For Work In Restricted Working Space, Add			3.10	
22 07 19 00-0409 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0368)				
22 07 19 00-0410	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.40	4.44
22 07 19 00-0411	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	10.65	4.51
22 07 19 00-0412	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.07	4.64

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0413	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.28	4.68
		<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0414	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	11.39	4.71
22 07 19 00-0415	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.96	4.83
22 07 19 00-0416	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.39	4.91
22 07 19 00-0417	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.82	4.97
22 07 19 00-0418	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.93	4.97
		<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0419	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.11	5.01
22 07 19 00-0420	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.59	5.03
		<i>For Work In Restricted Working Space, Add</i>	3.02	
22 07 19 00-0421	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.87	5.10
22 07 19 00-0422	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.43	5.13
		<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0423	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.82	5.17
22 07 19 00-0424	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.40	5.21
		<i>For Work In Restricted Working Space, Add</i>	3.12	
22 07 19 00-0425	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.65	5.23
22 07 19 00-0426	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.53	5.30
22 07 19 00-0427	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.22	5.33
		<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0428	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.38	5.36
22 07 19 00-0429	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.63	5.43
22 07 19 00-0430	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.15	5.56
		<i>For Work In Restricted Working Space, Add</i>	3.34	

22 07 19 00-0431 1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0368)

22 07 19 00-0432	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.01	4.89
		<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0433	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.33	4.97
		<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0434	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	12.76	5.10
22 07 19 00-0435	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.08	5.13
		<i>For Work In Restricted Working Space, Add</i>	3.08	
22 07 19 00-0436	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	13.36	5.17
22 07 19 00-0437	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.89	5.30
22 07 19 00-0438	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.69	5.43
22 07 19 00-0439	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.08	5.43
22 07 19 00-0440	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.59	5.50
		<i>For Work In Restricted Working Space, Add</i>	3.32	
22 07 19 00-0441	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.78	5.56
22 07 19 00-0442	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.87	5.64
		<i>For Work In Restricted Working Space, Add</i>	3.38	
22 07 19 00-0443	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.72	5.71
22 07 19 00-0444	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.78	5.74
		<i>For Work In Restricted Working Space, Add</i>	3.44	
22 07 19 00-0445	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.10	5.77
		<i>For Work In Restricted Working Space, Add</i>	3.46	
22 07 19 00-0446	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.66	5.81
		<i>For Work In Restricted Working Space, Add</i>	3.48	
22 07 19 00-0447	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.94	5.83
		<i>For Work In Restricted Working Space, Add</i>	3.50	
22 07 19 00-0448	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.00	5.97
		<i>For Work In Restricted Working Space, Add</i>	3.58	
22 07 19 00-0449	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.39	6.03
		<i>For Work In Restricted Working Space, Add</i>	3.62	
22 07 19 00-0450	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.39	6.10
		<i>For Work In Restricted Working Space, Add</i>	3.66	
22 07 19 00-0451	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.57	6.23
		<i>For Work In Restricted Working Space, Add</i>	3.74	

22 07 19 00-0452 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0368)

22 07 19 00-0453	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.26	5.48
		<i>For Work In Restricted Working Space, Add</i>	3.29	
22 07 19 00-0454	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.69	5.61
		<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0455	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.01	5.64
		<i>For Work In Restricted Working Space, Add</i>	3.39	
22 07 19 00-0456	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.33	5.69
		<i>For Work In Restricted Working Space, Add</i>	3.40	
22 07 19 00-0457	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.84	5.82
		<i>For Work In Restricted Working Space, Add</i>	3.48	
22 07 19 00-0458	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.66	6.03
		<i>For Work In Restricted Working Space, Add</i>	3.61	
22 07 19 00-0459	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.67	5.95
		<i>For Work In Restricted Working Space, Add</i>	3.65	
22 07 19 00-0460	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	21.56	6.08
		<i>For Work In Restricted Working Space, Add</i>	3.69	
22 07 19 00-0461	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.14	6.23
		<i>For Work In Restricted Working Space, Add</i>	3.74	
22 07 19 00-0462	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.80	6.31
		<i>For Work In Restricted Working Space, Add</i>	3.78	
22 07 19 00-0463	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.39	6.38
		<i>For Work In Restricted Working Space, Add</i>	3.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0464	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	26.13	6.41	
		For Work In Restricted Working Space, Add	3.84		
22 07 19 00-0465	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	26.88	6.42	
		For Work In Restricted Working Space, Add	3.86		
22 07 19 00-0466	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	27.74	6.46	
		For Work In Restricted Working Space, Add	3.88		
22 07 19 00-0467	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	28.29	6.48	
		For Work In Restricted Working Space, Add	3.89		
22 07 19 00-0468	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	31.30	6.72	
		For Work In Restricted Working Space, Add	4.02		
22 07 19 00-0469	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	32.92	6.82	
		For Work In Restricted Working Space, Add	4.09		
22 07 19 00-0470	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	36.74	6.92	
		For Work In Restricted Working Space, Add	4.16		
22 07 19 00-0471	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	40.58	7.14	
		For Work In Restricted Working Space, Add	4.28		
22 07 19 00-0472 2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0368)					
22 07 19 00-0473	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	23.96	6.06	
		For Work In Restricted Working Space, Add	3.64		
22 07 19 00-0474	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	24.84	6.15	
		For Work In Restricted Working Space, Add	3.71		
22 07 19 00-0475	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	26.25	6.20	
		For Work In Restricted Working Space, Add	3.73		
22 07 19 00-0476	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	26.75	6.25	
		For Work In Restricted Working Space, Add	3.74		
22 07 19 00-0477	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	28.00	6.37	
		For Work In Restricted Working Space, Add	3.82		
22 07 19 00-0478	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	29.62	6.67	
		For Work In Restricted Working Space, Add	4.00		
22 07 19 00-0479	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	30.50	6.51	
		For Work In Restricted Working Space, Add	4.03		
22 07 19 00-0480	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	32.10	6.74	
		For Work In Restricted Working Space, Add	4.10		
22 07 19 00-0481	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	33.64	6.96	
		For Work In Restricted Working Space, Add	4.18		
22 07 19 00-0482	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	34.66	7.05	
		For Work In Restricted Working Space, Add	4.22		
22 07 19 00-0483	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	36.72	7.14	
		For Work In Restricted Working Space, Add	4.26		
22 07 19 00-0484	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	36.98	7.15	
		For Work In Restricted Working Space, Add	4.28		
22 07 19 00-0485	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	38.89	7.16	
		For Work In Restricted Working Space, Add	4.31		
22 07 19 00-0486	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	40.21	7.20	
		For Work In Restricted Working Space, Add	4.32		
22 07 19 00-0487	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	41.62	7.23	
		For Work In Restricted Working Space, Add	4.34		
22 07 19 00-0488	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	46.44	7.57	
		For Work In Restricted Working Space, Add	4.53		
22 07 19 00-0489	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	49.23	7.72	
		For Work In Restricted Working Space, Add	4.63		
22 07 19 00-0490	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	50.12	7.87	
		For Work In Restricted Working Space, Add	4.73		
22 07 19 00-0491	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	55.89	8.19	
		For Work In Restricted Working Space, Add	4.91		
22 07 19 00-0492 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)					
Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.					
22 07 19 00-0493 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0492)					
22 07 19 00-0494	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.12	3.77	
22 07 19 00-0495	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.21	3.77	
22 07 19 00-0496	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.51	3.91	
22 07 19 00-0497	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	8.88	4.04	
22 07 19 00-0498	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.10	4.12	
22 07 19 00-0499	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.50	4.18	
22 07 19 00-0500	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.79	4.18	
22 07 19 00-0501	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.01	4.31	
22 07 19 00-0502	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.97	4.31	
22 07 19 00-0503	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.82	4.38	
22 07 19 00-0504	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	13.98	4.51	
22 07 19 00-0505 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0492)					
22 07 19 00-0506	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.08	4.12	
22 07 19 00-0507	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.16	4.12	
22 07 19 00-0508	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.34	4.18	
22 07 19 00-0509	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.58	4.18	
22 07 19 00-0510	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.88	4.31	
22 07 19 00-0511	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.32	4.38	
22 07 19 00-0512	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.80	4.44	
22 07 19 00-0513	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.25	4.51	
22 07 19 00-0514	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.29	4.64	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 07 19 00-0515	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	13.18	4.71	
22 07 19 00-0516	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.91	4.83	
22 07 19 00-0517 3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0492)					
22 07 19 00-0518	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.19	4.44	
22 07 19 00-0519	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.51	4.51	
22 07 19 00-0520	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.94	4.64	
22 07 19 00-0521	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.55	4.71	
22 07 19 00-0522	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.15	4.83	
22 07 19 00-0523	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.14	4.91	
22 07 19 00-0524	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.79	4.91	
22 07 19 00-0525	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.53	4.97	
22 07 19 00-0526	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.96	5.10	
22 07 19 00-0527	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	17.26	5.17	
22 07 19 00-0528	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	19.75	5.30	
22 07 19 00-0529 1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0492)					
22 07 19 00-0530	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.07	4.91	
22 07 19 00-0531	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.26	4.97	
22 07 19 00-0532	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.67	5.10	
22 07 19 00-0533	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.57	5.17	
22 07 19 00-0534	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.32	5.30	
22 07 19 00-0535	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.10	5.43	
22 07 19 00-0536	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.83	5.43	
22 07 19 00-0537	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	17.48	5.56	
22 07 19 00-0538	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.68	5.71	
22 07 19 00-0539	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	21.24	5.77	
22 07 19 00-0540 Flexible Elastomeric Unicellular Insulation (22 07 19)					
Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.					
22 07 19 00-0541 3/8" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0540)					
22 07 19 00-0542	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.33	3.77	
For Work In Restricted Working Space, Add				2.27	
22 07 19 00-0543	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.87	3.91	
For Work In Restricted Working Space, Add				2.35	
22 07 19 00-0544	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.37	4.05	
For Work In Restricted Working Space, Add				2.43	
22 07 19 00-0545	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.80	4.12	
For Work In Restricted Working Space, Add				2.46	
22 07 19 00-0546	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.28	4.18	
For Work In Restricted Working Space, Add				2.51	
22 07 19 00-0547	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	12.03	4.21	
For Work In Restricted Working Space, Add				2.52	
22 07 19 00-0548	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.94	4.32	
For Work In Restricted Working Space, Add				2.58	
22 07 19 00-0549	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation.....	15.21	4.34	
For Work In Restricted Working Space, Add				2.60	
22 07 19 00-0550	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	16.83	4.41	
For Work In Restricted Working Space, Add				2.64	
22 07 19 00-0551 1/2" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0540)					
22 07 19 00-0552	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	10.79	4.05	
For Work In Restricted Working Space, Add				2.43	
22 07 19 00-0553	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.32	4.18	
For Work In Restricted Working Space, Add				2.51	
22 07 19 00-0554	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.72	4.18	
For Work In Restricted Working Space, Add				2.52	
22 07 19 00-0555	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.32	4.31	
For Work In Restricted Working Space, Add				2.58	
22 07 19 00-0556	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	12.82	4.38	
For Work In Restricted Working Space, Add				2.62	
22 07 19 00-0557	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	13.58	4.44	
For Work In Restricted Working Space, Add				2.67	
22 07 19 00-0558	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	15.00	4.51	
For Work In Restricted Working Space, Add				2.70	
22 07 19 00-0559	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	17.37	4.64	
For Work In Restricted Working Space, Add				2.78	
22 07 19 00-0560	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	18.91	4.71	
For Work In Restricted Working Space, Add				2.82	
22 07 19 00-0561	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation.....	22.07	4.77	
For Work In Restricted Working Space, Add				2.86	
22 07 19 00-0562	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	23.54	4.83	
For Work In Restricted Working Space, Add				2.90	
22 07 19 00-0563 3/4" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0540)					
22 07 19 00-0564	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	12.96	4.42	
For Work In Restricted Working Space, Add				2.65	
22 07 19 00-0565	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	13.79	4.64	
For Work In Restricted Working Space, Add				2.78	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 07 19 00-0566	LF 3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	14.80 2.82		4.71
22 07 19 00-0567	LF 1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	16.27 2.90		4.84
22 07 19 00-0568	LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	17.32 2.94		4.91
22 07 19 00-0569	LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	19.93 2.98		4.97
22 07 19 00-0570	LF 2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	22.17 3.01		5.01
22 07 19 00-0571	LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	25.54 3.06		5.11
22 07 19 00-0572	LF 3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	27.88 3.10		5.17
22 07 19 00-0573	LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	31.75 3.14		5.23
22 07 19 00-0574	LF 4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	33.51 3.18		5.30
22 07 19 00-0575	1" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0540)			
22 07 19 00-0576	LF 3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	17.38 2.94		4.91
22 07 19 00-0577	LF 1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	18.27 3.06		5.11
22 07 19 00-0578	LF 3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	20.29 3.10		5.17
22 07 19 00-0579	LF 1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	22.69 3.18		5.30
22 07 19 00-0580	LF 1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	24.89 3.26		5.43
22 07 19 00-0581	LF 1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	26.52 3.30		5.50
22 07 19 00-0582	LF 2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	29.82 3.34		5.56
22 07 19 00-0583	LF 2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	37.77 3.42		5.71
22 07 19 00-0584	LF 3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	43.51 3.46		5.77
22 07 19 00-0585	LF 3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	46.60 3.50		5.83
22 07 19 00-0586	LF 4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation <i>For Work In Restricted Working Space, Add</i>	52.96 3.58		5.97
22 07 19 00-0587	Insulation Foam Rubber (22 07 19)			
22 07 19 00-0588	Covering 4x6 Sheet (22 07 19 00-0587)			
22 07 19 00-0589	SF 1" Thick Foam Rubber Sheet Insulation	26.02		8.96
22 07 19 00-0590	Insulation Protective Jacketing (22 07 19) Note: Jacketing only and to be added to insulation prices when required.			
22 07 19 00-0591	Aluminum Insulation Protective Jacketing With Bands (22 07 19 00-0590)			
22 07 19 00-0592	Aluminum Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0591)			
22 07 19 00-0593	SF 0.006" Aluminum Insulation Jacket With Bands	19.07		8.07
22 07 19 00-0594	SF 0.016" Aluminum Insulation Jacket With Bands	19.76		8.07
22 07 19 00-0595	16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0591)			
22 07 19 00-0596	LF 1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.95 0.01 0.02		2.29
22 07 19 00-0597	LF 3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.39 0.01 0.03		2.34
22 07 19 00-0598	LF 1" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.83 0.01 0.03		2.41
22 07 19 00-0599	LF 1-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.30 0.01 0.04		2.47
22 07 19 00-0600	LF 1-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.67 0.02 0.04		2.50
22 07 19 00-0601	LF 1-3/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.04 0.02 0.05		2.54
22 07 19 00-0602	LF 2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.48 0.02 0.05		2.59
22 07 19 00-0603	LF 2-1/4" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.93 0.02 0.06		2.65

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0604	LF 2-1/2" ID, 0.016" Aluminum Insulation Jacketing	13.42	2.70
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.07	
22 07 19 00-0605	LF 2-3/4" ID, 0.016" Aluminum Insulation Jacketing	13.81	2.75
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.07	
22 07 19 00-0606	LF 3" ID, 0.016" Aluminum Insulation Jacketing	14.31	2.81
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.08	
22 07 19 00-0607	LF 3-1/4" ID, 0.016" Aluminum Insulation Jacketing	14.80	2.87
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.08	
22 07 19 00-0608	LF 3-1/2" ID, 0.016" Aluminum Insulation Jacketing	15.28	2.94
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.09	
22 07 19 00-0609	LF 3-3/4" ID, 0.016" Aluminum Insulation Jacketing	15.73	2.99
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.09	
22 07 19 00-0610	LF 4" ID, 0.016" Aluminum Insulation Jacketing	16.25	3.06
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.10	
22 07 19 00-0611	LF 4-1/4" ID, 0.016" Aluminum Insulation Jacketing	16.78	3.14
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.11	
22 07 19 00-0612	LF 4-1/2" ID, 0.016" Aluminum Insulation Jacketing	17.35	3.21
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.11	
22 07 19 00-0613	LF 4-3/4" ID, 0.016" Aluminum Insulation Jacketing	17.83	3.28
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.12	
22 07 19 00-0614	LF 5" ID, 0.016" Aluminum Insulation Jacketing	18.40	3.36
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.12	
22 07 19 00-0615	LF 5-1/4" ID, 0.016" Aluminum Insulation Jacketing	19.00	3.46
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.13	
22 07 19 00-0616	LF 5-1/2" ID, 0.016" Aluminum Insulation Jacketing	19.52	3.53
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.14	
22 07 19 00-0617	LF 5-3/4" ID, 0.016" Aluminum Insulation Jacketing	20.18	3.63
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.14	
22 07 19 00-0618	LF 6" ID, 0.016" Aluminum Insulation Jacketing	20.83	3.74
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.15	
22 07 19 00-0619	LF 6-1/4" ID, 0.016" Aluminum Insulation Jacketing	21.29	3.79
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.15	
22 07 19 00-0620	LF 6-1/2" ID, 0.016" Aluminum Insulation Jacketing	21.75	3.85
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.16	
22 07 19 00-0621	LF 7" ID, 0.016" Aluminum Insulation Jacketing	22.54	3.94
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.17	
22 07 19 00-0622	LF 7-1/4" ID, 0.016" Aluminum Insulation Jacketing	23.14	4.04
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.17	
22 07 19 00-0623	LF 7-1/2" ID, 0.016" Aluminum Insulation Jacketing	23.63	4.11
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.18	
22 07 19 00-0624	LF 8" ID, 0.016" Aluminum Insulation Jacketing	24.37	4.18
	For Stucco Embossed, Add	0.08	
	For Corrugated, Add	0.19	
22 07 19 00-0625	LF 8-1/2" ID, 0.016" Aluminum Insulation Jacketing	25.10	4.24
	For Stucco Embossed, Add	0.08	
	For Corrugated, Add	0.20	
22 07 19 00-0626	LF 9" ID, 0.016" Aluminum Insulation Jacketing	25.99	4.35
	For Stucco Embossed, Add	0.09	
	For Corrugated, Add	0.21	
22 07 19 00-0627	LF 9-1/2" ID, 0.016" Aluminum Insulation Jacketing	26.78	4.43
	For Stucco Embossed, Add	0.09	
	For Corrugated, Add	0.23	
22 07 19 00-0628	LF 10" ID, 0.016" Aluminum Insulation Jacketing	27.54	4.51
	For Stucco Embossed, Add	0.10	
	For Corrugated, Add	0.24	
22 07 19 00-0629	LF 10-1/2" ID, 0.016" Aluminum Insulation Jacketing	28.34	4.59
	For Stucco Embossed, Add	0.10	
	For Corrugated, Add	0.25	
22 07 19 00-0630	LF 11" ID, 0.0106 Aluminum Insulation Jacketing	29.30	4.72
	For Stucco Embossed, Add	0.10	
	For Corrugated, Add	0.26	
22 07 19 00-0631	LF 11-1/2" ID, 0.016" Aluminum Insulation Jacketing	30.15	4.81
	For Stucco Embossed, Add	0.11	
	For Corrugated, Add	0.27	
22 07 19 00-0632	LF 12" ID, 0.016" Aluminum Insulation Jacketing	30.97	4.90
	For Stucco Embossed, Add	0.11	
	For Corrugated, Add	0.28	
22 07 19 00-0633	LF 12-1/2" ID, 0.016" Aluminum Insulation Jacketing	32.02	5.05
	For Stucco Embossed, Add	0.12	
	For Corrugated, Add	0.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0634	LF	13" ID, 0.016" Aluminum Insulation Jacketing	.....	32.67	5.10
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.31	
22 07 19 00-0635	LF	14" ID, 0.016" Aluminum Insulation Jacketing	.....	33.82	5.15
		For Stucco Embossed, Add	.....	0.13	
		For Corrugated, Add	.....	0.33	
22 07 19 00-0636	LF	15" ID, 0.016" Aluminum Insulation Jacketing	.....	35.16	5.25
		For Stucco Embossed, Add	.....	0.14	
		For Corrugated, Add	.....	0.35	
22 07 19 00-0637	LF	16" ID, 0.016" Aluminum Insulation Jacketing	.....	36.32	5.31
		For Stucco Embossed, Add	.....	0.15	
		For Corrugated, Add	.....	0.38	
22 07 19 00-0638	LF	17" ID, 0.016" Aluminum Insulation Jacketing	.....	37.69	5.42
		For Stucco Embossed, Add	.....	0.16	
		For Corrugated, Add	.....	0.40	
22 07 19 00-0639	LF	18" ID, 0.016" Aluminum Insulation Jacketing	.....	38.54	5.48
		For Stucco Embossed, Add	.....	0.17	
		For Corrugated, Add	.....	0.42	
22 07 19 00-0640	LF	19" ID, 0.016" Aluminum Insulation Jacketing	.....	40.26	5.61
		For Stucco Embossed, Add	.....	0.18	
		For Corrugated, Add	.....	0.45	
22 07 19 00-0641	LF	20" ID, 0.016" Aluminum Insulation Jacketing	.....	41.44	5.68
		For Stucco Embossed, Add	.....	0.19	
		For Corrugated, Add	.....	0.47	
22 07 19 00-0642	LF	21" ID, 0.016" Aluminum Insulation Jacketing	.....	42.88	5.80
		For Stucco Embossed, Add	.....	0.20	
		For Corrugated, Add	.....	0.49	
22 07 19 00-0643	LF	22" ID, 0.016" Aluminum Insulation Jacketing	.....	44.06	5.87
		For Stucco Embossed, Add	.....	0.21	
		For Corrugated, Add	.....	0.51	
22 07 19 00-0644	LF	23" ID, 0.016" Aluminum Insulation Jacketing	.....	45.55	6.01
		For Stucco Embossed, Add	.....	0.22	
		For Corrugated, Add	.....	0.54	
22 07 19 00-0645	LF	24" ID, 0.016" Aluminum Insulation Jacketing	.....	46.75	6.08
		For Stucco Embossed, Add	.....	0.22	
		For Corrugated, Add	.....	0.56	
22 07 19 00-0646 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0591)					
22 07 19 00-0647	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing	.....	11.06	2.53
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.02	
22 07 19 00-0648	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing	.....	11.58	2.59
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.03	
22 07 19 00-0649	LF	1" ID, 0.020" Aluminum Insulation Jacketing	.....	12.13	2.65
		For Stucco Embossed, Add	.....	0.02	
		For Corrugated, Add	.....	0.04	
22 07 19 00-0650	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing	.....	12.67	2.71
		For Stucco Embossed, Add	.....	0.02	
		For Corrugated, Add	.....	0.05	
22 07 19 00-0651	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing	.....	13.12	2.75
		For Stucco Embossed, Add	.....	0.02	
		For Corrugated, Add	.....	0.05	
22 07 19 00-0652	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing	.....	13.58	2.79
		For Stucco Embossed, Add	.....	0.02	
		For Corrugated, Add	.....	0.06	
22 07 19 00-0653	LF	2" ID, 0.020" Aluminum Insulation Jacketing	.....	14.10	2.85
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.07	
22 07 19 00-0654	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing	.....	14.62	2.91
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.08	
22 07 19 00-0655	LF	2-1/2" ID, 0.020" Aluminum Insulation Jacketing	.....	15.19	2.97
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.08	
22 07 19 00-0656	LF	2-3/4" ID, 0.020" Aluminum Insulation Jacketing	.....	15.68	3.02
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.09	
22 07 19 00-0657	LF	3" ID, 0.020" Aluminum Insulation Jacketing	.....	16.28	3.08
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.10	
22 07 19 00-0658	LF	3-1/4" ID, 0.020" Aluminum Insulation Jacketing	.....	16.84	3.15
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.11	
22 07 19 00-0659	LF	3-1/2" ID, 0.020" Aluminum Insulation Jacketing	.....	17.42	3.23
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.11	
22 07 19 00-0660	LF	3-3/4" ID, 0.020" Aluminum Insulation Jacketing	.....	17.94	3.28
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.12	
22 07 19 00-0661	LF	4" ID, 0.020" Aluminum Insulation Jacketing	.....	18.54	3.36
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.13	
22 07 19 00-0662	LF	4-1/4" ID, 0.020" Aluminum Insulation Jacketing	.....	19.18	3.45
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.13	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0663	LF 4-1/2" ID, 0.020" Aluminum Insulation Jacketing	19.85	3.53
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.14	
22 07 19 00-0664	LF 4-3/4" ID, 0.020" Aluminum Insulation Jacketing	20.41	3.60
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.15	
22 07 19 00-0665	LF 5" ID, 0.020" Aluminum Insulation Jacketing	21.08	3.70
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.16	
22 07 19 00-0666	LF 5-1/4" ID, 0.020" Aluminum Insulation Jacketing	21.78	3.80
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.16	
22 07 19 00-0667	LF 5-1/2" ID, 0.020" Aluminum Insulation Jacketing	22.39	3.88
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.17	
22 07 19 00-0668	LF 5-3/4" ID, 0.020" Aluminum Insulation Jacketing	23.17	4.00
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.18	
22 07 19 00-0669	LF 6" ID, 0.020" Aluminum Insulation Jacketing	23.92	4.12
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.19	
22 07 19 00-0670	LF 6-1/4" ID, 0.020" Aluminum Insulation Jacketing	24.45	4.18
	For Stucco Embossed, Add	0.08	
	For Corrugated, Add	0.19	
22 07 19 00-0671	LF 6-1/2" ID, 0.020" Aluminum Insulation Jacketing	25.01	4.24
	For Stucco Embossed, Add	0.08	
	For Corrugated, Add	0.20	
22 07 19 00-0672	LF 7" ID, 0.020" Aluminum Insulation Jacketing	25.94	4.34
	For Stucco Embossed, Add	0.09	
	For Corrugated, Add	0.21	
22 07 19 00-0673	LF 7-1/4" ID, 0.020" Aluminum Insulation Jacketing	26.64	4.44
	For Stucco Embossed, Add	0.09	
	For Corrugated, Add	0.22	
22 07 19 00-0674	LF 7-1/2" ID, 0.020" Aluminum Insulation Jacketing	27.22	4.52
	For Stucco Embossed, Add	0.09	
	For Corrugated, Add	0.23	
22 07 19 00-0675	LF 8" ID, 0.020" Aluminum Insulation Jacketing	28.12	4.59
	For Stucco Embossed, Add	0.10	
	For Corrugated, Add	0.24	
22 07 19 00-0676	LF 8-1/2" ID, 0.020" Aluminum Insulation Jacketing	28.99	4.67
	For Stucco Embossed, Add	0.10	
	For Corrugated, Add	0.26	
22 07 19 00-0677	LF 9" ID, 0.020" Aluminum Insulation Jacketing	30.04	4.79
	For Stucco Embossed, Add	0.11	
	For Corrugated, Add	0.27	
22 07 19 00-0678	LF 9-1/2" ID, 0.020" Aluminum Insulation Jacketing	31.00	4.87
	For Stucco Embossed, Add	0.12	
	For Corrugated, Add	0.29	
22 07 19 00-0679	LF 10" ID, 0.020" Aluminum Insulation Jacketing	31.92	4.96
	For Stucco Embossed, Add	0.12	
	For Corrugated, Add	0.30	
22 07 19 00-0680	LF 10-1/2" ID, 0.020" Aluminum Insulation Jacketing	32.86	5.05
	For Stucco Embossed, Add	0.13	
	For Corrugated, Add	0.32	
22 07 19 00-0681	LF 11" ID, 0.0106 Aluminum Insulation Jacketing	34.00	5.19
	For Stucco Embossed, Add	0.13	
	For Corrugated, Add	0.33	
22 07 19 00-0682	LF 11-1/2" ID, 0.020" Aluminum Insulation Jacketing	35.01	5.28
	For Stucco Embossed, Add	0.14	
	For Corrugated, Add	0.35	
22 07 19 00-0683	LF 12" ID, 0.020" Aluminum Insulation Jacketing	36.00	5.39
	For Stucco Embossed, Add	0.14	
	For Corrugated, Add	0.36	
22 07 19 00-0684	LF 12-1/2" ID, 0.020" Aluminum Insulation Jacketing	37.23	5.55
	For Stucco Embossed, Add	0.15	
	For Corrugated, Add	0.38	
22 07 19 00-0685	LF 13" ID, 0.020" Aluminum Insulation Jacketing	38.03	5.61
	For Stucco Embossed, Add	0.16	
	For Corrugated, Add	0.39	
22 07 19 00-0686	LF 14" ID, 0.020" Aluminum Insulation Jacketing	39.45	5.67
	For Stucco Embossed, Add	0.17	
	For Corrugated, Add	0.42	
22 07 19 00-0687	LF 15" ID, 0.020" Aluminum Insulation Jacketing	41.08	5.79
	For Stucco Embossed, Add	0.18	
	For Corrugated, Add	0.45	
22 07 19 00-0688	LF 16" ID, 0.020" Aluminum Insulation Jacketing	42.52	5.85
	For Stucco Embossed, Add	0.19	
	For Corrugated, Add	0.48	
22 07 19 00-0689	LF 17" ID, 0.020" Aluminum Insulation Jacketing	44.17	5.97
	For Stucco Embossed, Add	0.20	
	For Corrugated, Add	0.51	
22 07 19 00-0690	LF 18" ID, 0.020" Aluminum Insulation Jacketing	45.23	6.04
	For Stucco Embossed, Add	0.21	
	For Corrugated, Add	0.53	
22 07 19 00-0691	LF 19" ID, 0.020" Aluminum Insulation Jacketing	47.31	6.17
	For Stucco Embossed, Add	0.23	
	For Corrugated, Add	0.57	
22 07 19 00-0692	LF 20" ID, 0.020" Aluminum Insulation Jacketing	48.78	6.24
	For Stucco Embossed, Add	0.24	
	For Corrugated, Add	0.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0693	LF	21" ID, 0.020" Aluminum Insulation Jacketing	.....	50.51	6.38
		For Stucco Embossed, Add	.....	0.25	
		For Corrugated, Add	.....	0.62	
22 07 19 00-0694	LF	22" ID, 0.020" Aluminum Insulation Jacketing	.....	51.96	6.45
		For Stucco Embossed, Add	.....	0.26	
		For Corrugated, Add	.....	0.65	
22 07 19 00-0695	LF	23" ID, 0.020" Aluminum Insulation Jacketing	.....	53.77	6.61
		For Stucco Embossed, Add	.....	0.27	
		For Corrugated, Add	.....	0.68	
22 07 19 00-0696	LF	24" ID, 0.020" Aluminum Insulation Jacketing	.....	55.25	6.69
		For Stucco Embossed, Add	.....	0.28	
		For Corrugated, Add	.....	0.71	
22 07 19 00-0697			24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0591)		
22 07 19 00-0698	LF	1/2" ID, 0.024" Aluminum Insulation Jacketing	.....	12.18	2.76
		For Stucco Embossed, Add	.....	0.01	
		For Corrugated, Add	.....	0.03	
22 07 19 00-0699	LF	3/4" ID, 0.024" Aluminum Insulation Jacketing	.....	12.78	2.82
		For Stucco Embossed, Add	.....	0.02	
		For Corrugated, Add	.....	0.04	
22 07 19 00-0700	LF	1" ID, 0.024" Aluminum Insulation Jacketing	.....	13.39	2.89
		For Stucco Embossed, Add	.....	0.02	
		For Corrugated, Add	.....	0.05	
22 07 19 00-0701	LF	1-1/4" ID, 0.024" Aluminum Insulation Jacketing	.....	14.01	2.96
		For Stucco Embossed, Add	.....	0.02	
		For Corrugated, Add	.....	0.06	
22 07 19 00-0702	LF	1-1/2" ID, 0.024" Aluminum Insulation Jacketing	.....	14.55	3.00
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.06	
22 07 19 00-0703	LF	1-3/4" ID, 0.024" Aluminum Insulation Jacketing	.....	15.08	3.04
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.07	
22 07 19 00-0704	LF	2" ID, 0.024" Aluminum Insulation Jacketing	.....	15.66	3.11
		For Stucco Embossed, Add	.....	0.03	
		For Corrugated, Add	.....	0.08	
22 07 19 00-0705	LF	2-1/4" ID, 0.024" Aluminum Insulation Jacketing	.....	16.27	3.17
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.09	
22 07 19 00-0706	LF	2-1/2" ID, 0.024" Aluminum Insulation Jacketing	.....	16.93	3.24
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.10	
22 07 19 00-0707	LF	2-3/4" ID, 0.024" Aluminum Insulation Jacketing	.....	17.48	3.29
		For Stucco Embossed, Add	.....	0.04	
		For Corrugated, Add	.....	0.11	
22 07 19 00-0708	LF	3" ID, 0.024" Aluminum Insulation Jacketing	.....	18.16	3.36
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.12	
22 07 19 00-0709	LF	3-1/4" ID, 0.024" Aluminum Insulation Jacketing	.....	18.83	3.44
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.13	
22 07 19 00-0710	LF	3-1/2" ID, 0.024" Aluminum Insulation Jacketing	.....	19.49	3.52
		For Stucco Embossed, Add	.....	0.05	
		For Corrugated, Add	.....	0.14	
22 07 19 00-0711	LF	3-3/4" ID, 0.024" Aluminum Insulation Jacketing	.....	20.08	3.58
		For Stucco Embossed, Add	.....	0.06	
		For Corrugated, Add	.....	0.14	
22 07 19 00-0712	LF	4" ID, 0.024" Aluminum Insulation Jacketing	.....	20.77	3.67
		For Stucco Embossed, Add	.....	0.06	
		For Corrugated, Add	.....	0.15	
22 07 19 00-0713	LF	4-1/4" ID, 0.024" Aluminum Insulation Jacketing	.....	21.48	3.76
		For Stucco Embossed, Add	.....	0.06	
		For Corrugated, Add	.....	0.16	
22 07 19 00-0714	LF	4-1/2" ID, 0.024" Aluminum Insulation Jacketing	.....	22.26	3.85
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.17	
22 07 19 00-0715	LF	4-3/4" ID, 0.024" Aluminum Insulation Jacketing	.....	22.90	3.93
		For Stucco Embossed, Add	.....	0.07	
		For Corrugated, Add	.....	0.18	
22 07 19 00-0716	LF	5" ID, 0.024" Aluminum Insulation Jacketing	.....	23.67	4.04
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.19	
22 07 19 00-0717	LF	5-1/4" ID, 0.024" Aluminum Insulation Jacketing	.....	24.45	4.15
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.20	
22 07 19 00-0718	LF	5-1/2" ID, 0.024" Aluminum Insulation Jacketing	.....	25.15	4.24
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.21	
22 07 19 00-0719	LF	5-3/4" ID, 0.024" Aluminum Insulation Jacketing	.....	26.03	4.36
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.22	
22 07 19 00-0720	LF	6" ID, 0.024" Aluminum Insulation Jacketing	.....	26.89	4.49
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.22	
22 07 19 00-0721	LF	6-1/4" ID, 0.024" Aluminum Insulation Jacketing	.....	27.50	4.55
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.23	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 07 19 00-0722	LF 6-1/2" ID, 0.024" Aluminum Insulation Jacketing	28.14		4.62	
	For Stucco Embossed, Add	0.10			
	For Corrugated, Add	0.24			
22 07 19 00-0723	LF 7" ID, 0.024" Aluminum Insulation Jacketing	29.21		4.73	
	For Stucco Embossed, Add	0.10			
	For Corrugated, Add	0.26			
22 07 19 00-0724	LF 7-1/4" ID, 0.024" Aluminum Insulation Jacketing	30.01		4.84	
	For Stucco Embossed, Add	0.11			
	For Corrugated, Add	0.27			
22 07 19 00-0725	LF 7-1/2" ID, 0.024" Aluminum Insulation Jacketing	30.67		4.92	
	For Stucco Embossed, Add	0.11			
	For Corrugated, Add	0.27			
22 07 19 00-0726	LF 8" ID, 0.024" Aluminum Insulation Jacketing	31.71		5.01	
	For Stucco Embossed, Add	0.12			
	For Corrugated, Add	0.29			
22 07 19 00-0727	LF 8-1/2" ID, 0.024" Aluminum Insulation Jacketing	32.72		5.09	
	For Stucco Embossed, Add	0.12			
	For Corrugated, Add	0.31			
22 07 19 00-0728	LF 9" ID, 0.024" Aluminum Insulation Jacketing	33.93		5.22	
	For Stucco Embossed, Add	0.13			
	For Corrugated, Add	0.33			
22 07 19 00-0729	LF 9-1/2" ID, 0.024" Aluminum Insulation Jacketing	35.04		5.31	
	For Stucco Embossed, Add	0.14			
	For Corrugated, Add	0.34			
22 07 19 00-0730	LF 10" ID, 0.024" Aluminum Insulation Jacketing	36.11		5.40	
	For Stucco Embossed, Add	0.14			
	For Corrugated, Add	0.36			
22 07 19 00-0731	LF 10-1/2" ID, 0.024" Aluminum Insulation Jacketing	37.19		5.50	
	For Stucco Embossed, Add	0.15			
	For Corrugated, Add	0.38			
22 07 19 00-0732	LF 11" ID, 0.0106 Aluminum Insulation Jacketing	38.50		5.66	
	For Stucco Embossed, Add	0.16			
	For Corrugated, Add	0.40			
22 07 19 00-0733	LF 11-1/2" ID, 0.024" Aluminum Insulation Jacketing	39.66		5.77	
	For Stucco Embossed, Add	0.17			
	For Corrugated, Add	0.41			
22 07 19 00-0734	LF 12" ID, 0.024" Aluminum Insulation Jacketing	40.81		5.88	
	For Stucco Embossed, Add	0.17			
	For Corrugated, Add	0.43			
22 07 19 00-0735	LF 12-1/2" ID, 0.024" Aluminum Insulation Jacketing	42.20		6.06	
	For Stucco Embossed, Add	0.18			
	For Corrugated, Add	0.45			
22 07 19 00-0736	LF 13" ID, 0.024" Aluminum Insulation Jacketing	43.14		6.12	
	For Stucco Embossed, Add	0.19			
	For Corrugated, Add	0.47			
22 07 19 00-0737	LF 14" ID, 0.024" Aluminum Insulation Jacketing	44.81		6.18	
	For Stucco Embossed, Add	0.20			
	For Corrugated, Add	0.50			
22 07 19 00-0738	LF 15" ID, 0.024" Aluminum Insulation Jacketing	46.72		6.31	
	For Stucco Embossed, Add	0.21			
	For Corrugated, Add	0.54			
22 07 19 00-0739	LF 16" ID, 0.024" Aluminum Insulation Jacketing	48.40		6.37	
	For Stucco Embossed, Add	0.23			
	For Corrugated, Add	0.57			
22 07 19 00-0740	LF 17" ID, 0.024" Aluminum Insulation Jacketing	50.33		6.51	
	For Stucco Embossed, Add	0.24			
	For Corrugated, Add	0.61			
22 07 19 00-0741	LF 18" ID, 0.024" Aluminum Insulation Jacketing	51.58		6.58	
	For Stucco Embossed, Add	0.25			
	For Corrugated, Add	0.63			
22 07 19 00-0742	LF 19" ID, 0.024" Aluminum Insulation Jacketing	54.01		6.73	
	For Stucco Embossed, Add	0.27			
	For Corrugated, Add	0.68			
22 07 19 00-0743	LF 20" ID, 0.024" Aluminum Insulation Jacketing	55.74		6.80	
	For Stucco Embossed, Add	0.29			
	For Corrugated, Add	0.71			
22 07 19 00-0744	LF 21" ID, 0.024" Aluminum Insulation Jacketing	57.74		6.96	
	For Stucco Embossed, Add	0.30			
	For Corrugated, Add	0.75			
22 07 19 00-0745	LF 22" ID, 0.024" Aluminum Insulation Jacketing	59.46		7.04	
	For Stucco Embossed, Add	0.31			
	For Corrugated, Add	0.78			
22 07 19 00-0746	LF 23" ID, 0.024" Aluminum Insulation Jacketing	61.55		7.21	
	For Stucco Embossed, Add	0.33			
	For Corrugated, Add	0.82			
22 07 19 00-0747	LF 24" ID, 0.024" Aluminum Insulation Jacketing	63.28		7.30	
	For Stucco Embossed, Add	0.34			
	For Corrugated, Add	0.85			
22 07 19 00-0748	32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0591)				
22 07 19 00-0749	LF 1/2" ID, 0.032" Aluminum Insulation Jacketing	13.78		3.05	
	For Stucco Embossed, Add	0.02			
	For Corrugated, Add	0.04			
22 07 19 00-0750	LF 3/4" ID, 0.032" Aluminum Insulation Jacketing	14.52		3.12	
	For Stucco Embossed, Add	0.02			
	For Corrugated, Add	0.05			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0751	LF	1"	0.032" Aluminum Insulation Jacketing	15.28	3.20
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0752	LF	1-1/4"	0.032" Aluminum Insulation Jacketing	16.06	3.27
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0753	LF	1-1/2"	0.032" Aluminum Insulation Jacketing	16.71	3.32
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.09	
22 07 19 00-0754	LF	1-3/4"	0.032" Aluminum Insulation Jacketing	17.38	3.37
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0755	LF	2"	0.032" Aluminum Insulation Jacketing	18.12	3.44
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0756	LF	2-1/4"	0.032" Aluminum Insulation Jacketing	18.87	3.51
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.12	
22 07 19 00-0757	LF	2-1/2"	0.032" Aluminum Insulation Jacketing	19.70	3.59
			For Stucco Embossed, Add	0.05	
			For Corrugated, Add	0.13	
22 07 19 00-0758	LF	2-3/4"	0.032" Aluminum Insulation Jacketing	20.39	3.65
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.15	
22 07 19 00-0759	LF	3"	0.032" Aluminum Insulation Jacketing	21.23	3.73
			For Stucco Embossed, Add	0.06	
			For Corrugated, Add	0.16	
22 07 19 00-0760	LF	3-1/4"	0.032" Aluminum Insulation Jacketing	22.05	3.81
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.17	
22 07 19 00-0761	LF	3-1/2"	0.032" Aluminum Insulation Jacketing	22.86	3.90
			For Stucco Embossed, Add	0.07	
			For Corrugated, Add	0.18	
22 07 19 00-0762	LF	3-3/4"	0.032" Aluminum Insulation Jacketing	23.60	3.97
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.19	
22 07 19 00-0763	LF	4"	0.032" Aluminum Insulation Jacketing	24.45	4.07
			For Stucco Embossed, Add	0.08	
			For Corrugated, Add	0.20	
22 07 19 00-0764	LF	4-1/4"	0.032" Aluminum Insulation Jacketing	25.31	4.17
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.22	
22 07 19 00-0765	LF	4-1/2"	0.032" Aluminum Insulation Jacketing	26.26	4.28
			For Stucco Embossed, Add	0.09	
			For Corrugated, Add	0.23	
22 07 19 00-0766	LF	4-3/4"	0.032" Aluminum Insulation Jacketing	27.07	4.36
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.24	
22 07 19 00-0767	LF	5"	0.032" Aluminum Insulation Jacketing	27.99	4.48
			For Stucco Embossed, Add	0.10	
			For Corrugated, Add	0.25	
22 07 19 00-0768	LF	5-1/4"	0.032" Aluminum Insulation Jacketing	28.95	4.60
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.26	
22 07 19 00-0769	LF	5-1/2"	0.032" Aluminum Insulation Jacketing	29.80	4.69
			For Stucco Embossed, Add	0.11	
			For Corrugated, Add	0.28	
22 07 19 00-0770	LF	5-3/4"	0.032" Aluminum Insulation Jacketing	30.86	4.83
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.29	
22 07 19 00-0771	LF	6"	0.032" Aluminum Insulation Jacketing	31.89	4.97
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.30	
22 07 19 00-0772	LF	6-1/4"	0.032" Aluminum Insulation Jacketing	32.66	5.05
			For Stucco Embossed, Add	0.12	
			For Corrugated, Add	0.31	
22 07 19 00-0773	LF	6-1/2"	0.032" Aluminum Insulation Jacketing	33.43	5.12
			For Stucco Embossed, Add	0.13	
			For Corrugated, Add	0.32	
22 07 19 00-0774	LF	7"	0.032" Aluminum Insulation Jacketing	34.77	5.24
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.35	
22 07 19 00-0775	LF	7-1/4"	0.032" Aluminum Insulation Jacketing	35.74	5.37
			For Stucco Embossed, Add	0.14	
			For Corrugated, Add	0.36	
22 07 19 00-0776	LF	7-1/2"	0.032" Aluminum Insulation Jacketing	36.56	5.45
			For Stucco Embossed, Add	0.15	
			For Corrugated, Add	0.37	
22 07 19 00-0777	LF	8"	0.032" Aluminum Insulation Jacketing	37.87	5.55
			For Stucco Embossed, Add	0.16	
			For Corrugated, Add	0.39	
22 07 19 00-0778	LF	8-1/2"	0.032" Aluminum Insulation Jacketing	39.15	5.65
			For Stucco Embossed, Add	0.17	
			For Corrugated, Add	0.41	
22 07 19 00-0779	LF	9"	0.032" Aluminum Insulation Jacketing	40.67	5.79
			For Stucco Embossed, Add	0.18	
			For Corrugated, Add	0.44	
22 07 19 00-0780	LF	9-1/2"	0.032" Aluminum Insulation Jacketing	42.05	5.89
			For Stucco Embossed, Add	0.19	
			For Corrugated, Add	0.46	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 07 19 00-0781	LF	10" ID, 0.032" Aluminum Insulation Jacketing	43.40		6.00
		For Stucco Embossed, Add	0.19		
		For Corrugated, Add	0.49		
22 07 19 00-0782	LF	10-1/2" ID, 0.032" Aluminum Insulation Jacketing	44.76		6.10
		For Stucco Embossed, Add	0.20		
		For Corrugated, Add	0.51		
22 07 19 00-0783	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	46.37		6.27
		For Stucco Embossed, Add	0.21		
		For Corrugated, Add	0.53		
22 07 19 00-0784	LF	11-1/2" ID, 0.032" Aluminum Insulation Jacketing	47.84		6.39
		For Stucco Embossed, Add	0.22		
		For Corrugated, Add	0.56		
22 07 19 00-0785	LF	12" ID, 0.032" Aluminum Insulation Jacketing	49.26		6.52
		For Stucco Embossed, Add	0.23		
		For Corrugated, Add	0.58		
22 07 19 00-0786	LF	12-1/2" ID, 0.032" Aluminum Insulation Jacketing	50.98		6.71
		For Stucco Embossed, Add	0.24		
		For Corrugated, Add	0.60		
22 07 19 00-0787	LF	13" ID, 0.032" Aluminum Insulation Jacketing	52.17		6.78
		For Stucco Embossed, Add	0.25		
		For Corrugated, Add	0.63		
22 07 19 00-0788	LF	14" ID, 0.032" Aluminum Insulation Jacketing	54.37		6.85
		For Stucco Embossed, Add	0.27		
		For Corrugated, Add	0.67		
22 07 19 00-0789	LF	15" ID, 0.032" Aluminum Insulation Jacketing	56.79		6.99
		For Stucco Embossed, Add	0.29		
		For Corrugated, Add	0.72		
22 07 19 00-0790	LF	16" ID, 0.032" Aluminum Insulation Jacketing	59.00		7.06
		For Stucco Embossed, Add	0.31		
		For Corrugated, Add	0.77		
22 07 19 00-0791	LF	17" ID, 0.032" Aluminum Insulation Jacketing	61.46		7.22
		For Stucco Embossed, Add	0.33		
		For Corrugated, Add	0.81		
22 07 19 00-0792	LF	18" ID, 0.032" Aluminum Insulation Jacketing	63.05		7.30
		For Stucco Embossed, Add	0.34		
		For Corrugated, Add	0.85		
22 07 19 00-0793	LF	19" ID, 0.032" Aluminum Insulation Jacketing	66.20		7.46
		For Stucco Embossed, Add	0.36		
		For Corrugated, Add	0.91		
22 07 19 00-0794	LF	20" ID, 0.032" Aluminum Insulation Jacketing	68.45		7.54
		For Stucco Embossed, Add	0.38		
		For Corrugated, Add	0.96		
22 07 19 00-0795	LF	21" ID, 0.032" Aluminum Insulation Jacketing	70.99		7.72
		For Stucco Embossed, Add	0.40		
		For Corrugated, Add	1.00		
22 07 19 00-0796	LF	22" ID, 0.032" Aluminum Insulation Jacketing	73.21		7.81
		For Stucco Embossed, Add	0.42		
		For Corrugated, Add	1.05		
22 07 19 00-0797	LF	23" ID, 0.032" Aluminum Insulation Jacketing	75.86		7.99
		For Stucco Embossed, Add	0.44		
		For Corrugated, Add	1.10		
22 07 19 00-0798	LF	24" ID, 0.032" Aluminum Insulation Jacketing	78.11		8.09
		For Stucco Embossed, Add	0.46		
		For Corrugated, Add	1.14		
22 07 19 00-0799 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0591)					
22 07 19 00-0800	LF	1/2" ID, 0.040" Aluminum Insulation Jacketing	16.01		3.51
		For Stucco Embossed, Add	0.02		
		For Corrugated, Add	0.05		
22 07 19 00-0801	LF	3/4" ID, 0.040" Aluminum Insulation Jacketing	16.92		3.59
		For Stucco Embossed, Add	0.03		
		For Corrugated, Add	0.06		
22 07 19 00-0802	LF	1" ID, 0.040" Aluminum Insulation Jacketing	17.84		3.67
		For Stucco Embossed, Add	0.03		
		For Corrugated, Add	0.08		
22 07 19 00-0803	LF	1-1/4" ID, 0.040" Aluminum Insulation Jacketing	18.77		3.76
		For Stucco Embossed, Add	0.04		
		For Corrugated, Add	0.09		
22 07 19 00-0804	LF	1-1/2" ID, 0.040" Aluminum Insulation Jacketing	19.58		3.82
		For Stucco Embossed, Add	0.04		
		For Corrugated, Add	0.11		
22 07 19 00-0805	LF	1-3/4" ID, 0.040" Aluminum Insulation Jacketing	20.40		3.88
		For Stucco Embossed, Add	0.05		
		For Corrugated, Add	0.12		
22 07 19 00-0806	LF	2" ID, 0.040" Aluminum Insulation Jacketing	21.30		3.95
		For Stucco Embossed, Add	0.05		
		For Corrugated, Add	0.14		
22 07 19 00-0807	LF	2-1/4" ID, 0.040" Aluminum Insulation Jacketing	22.21		4.05
		For Stucco Embossed, Add	0.06		
		For Corrugated, Add	0.15		
22 07 19 00-0808	LF	2-1/2" ID, 0.040" Aluminum Insulation Jacketing	23.21		4.13
		For Stucco Embossed, Add	0.07		
		For Corrugated, Add	0.17		
22 07 19 00-0809	LF	2-3/4" ID, 0.040" Aluminum Insulation Jacketing	24.07		4.20
		For Stucco Embossed, Add	0.07		
		For Corrugated, Add	0.18		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0810	LF	3" ID, 0.040" Aluminum Insulation Jacketing	.....	25.09	4.29
		For Stucco Embossed, Add	.....	0.08	
		For Corrugated, Add	.....	0.20	
22 07 19 00-0811	LF	3-1/4" ID, 0.040" Aluminum Insulation Jacketing	.....	26.07	4.39
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.21	
22 07 19 00-0812	LF	3-1/2" ID, 0.040" Aluminum Insulation Jacketing	.....	27.05	4.49
		For Stucco Embossed, Add	.....	0.09	
		For Corrugated, Add	.....	0.23	
22 07 19 00-0813	LF	3-3/4" ID, 0.040" Aluminum Insulation Jacketing	.....	27.95	4.57
		For Stucco Embossed, Add	.....	0.10	
		For Corrugated, Add	.....	0.24	
22 07 19 00-0814	LF	4" ID, 0.040" Aluminum Insulation Jacketing	.....	28.98	4.68
		For Stucco Embossed, Add	.....	0.10	
		For Corrugated, Add	.....	0.26	
22 07 19 00-0815	LF	4-1/4" ID, 0.040" Aluminum Insulation Jacketing	.....	30.02	4.80
		For Stucco Embossed, Add	.....	0.11	
		For Corrugated, Add	.....	0.27	
22 07 19 00-0816	LF	4-1/2" ID, 0.040" Aluminum Insulation Jacketing	.....	31.17	4.92
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.29	
22 07 19 00-0817	LF	4-3/4" ID, 0.040" Aluminum Insulation Jacketing	.....	32.14	5.01
		For Stucco Embossed, Add	.....	0.12	
		For Corrugated, Add	.....	0.30	
22 07 19 00-0818	LF	5" ID, 0.040" Aluminum Insulation Jacketing	.....	33.25	5.15
		For Stucco Embossed, Add	.....	0.13	
		For Corrugated, Add	.....	0.32	
22 07 19 00-0819	LF	5-1/4" ID, 0.040" Aluminum Insulation Jacketing	.....	34.40	5.29
		For Stucco Embossed, Add	.....	0.13	
		For Corrugated, Add	.....	0.33	
22 07 19 00-0820	LF	5-1/2" ID, 0.040" Aluminum Insulation Jacketing	.....	35.43	5.40
		For Stucco Embossed, Add	.....	0.14	
		For Corrugated, Add	.....	0.35	
22 07 19 00-0821	LF	5-3/4" ID, 0.040" Aluminum Insulation Jacketing	.....	36.70	5.55
		For Stucco Embossed, Add	.....	0.14	
		For Corrugated, Add	.....	0.36	
22 07 19 00-0822	LF	6" ID, 0.040" Aluminum Insulation Jacketing	.....	37.95	5.72
		For Stucco Embossed, Add	.....	0.15	
		For Corrugated, Add	.....	0.38	
22 07 19 00-0823	LF	6-1/4" ID, 0.040" Aluminum Insulation Jacketing	.....	38.88	5.81
		For Stucco Embossed, Add	.....	0.16	
		For Corrugated, Add	.....	0.39	
22 07 19 00-0824	LF	6-1/2" ID, 0.040" Aluminum Insulation Jacketing	.....	39.81	5.90
		For Stucco Embossed, Add	.....	0.16	
		For Corrugated, Add	.....	0.41	
22 07 19 00-0825	LF	7" ID, 0.040" Aluminum Insulation Jacketing	.....	41.45	6.03
		For Stucco Embossed, Add	.....	0.17	
		For Corrugated, Add	.....	0.43	
22 07 19 00-0826	LF	7-1/4" ID, 0.040" Aluminum Insulation Jacketing	.....	42.61	6.18
		For Stucco Embossed, Add	.....	0.18	
		For Corrugated, Add	.....	0.45	
22 07 19 00-0827	LF	7-1/2" ID, 0.040" Aluminum Insulation Jacketing	.....	43.60	6.28
		For Stucco Embossed, Add	.....	0.18	
		For Corrugated, Add	.....	0.46	
22 07 19 00-0828	LF	8" ID, 0.040" Aluminum Insulation Jacketing	.....	45.19	6.39
		For Stucco Embossed, Add	.....	0.20	
		For Corrugated, Add	.....	0.49	
22 07 19 00-0829	LF	8-1/2" ID, 0.040" Aluminum Insulation Jacketing	.....	46.77	6.49
		For Stucco Embossed, Add	.....	0.21	
		For Corrugated, Add	.....	0.52	
22 07 19 00-0830	LF	9" ID, 0.040" Aluminum Insulation Jacketing	.....	48.61	6.65
		For Stucco Embossed, Add	.....	0.22	
		For Corrugated, Add	.....	0.55	
22 07 19 00-0831	LF	9-1/2" ID, 0.040" Aluminum Insulation Jacketing	.....	50.31	6.77
		For Stucco Embossed, Add	.....	0.23	
		For Corrugated, Add	.....	0.58	
22 07 19 00-0832	LF	10" ID, 0.040" Aluminum Insulation Jacketing	.....	51.95	6.89
		For Stucco Embossed, Add	.....	0.24	
		For Corrugated, Add	.....	0.61	
22 07 19 00-0833	LF	10-1/2" ID, 0.040" Aluminum Insulation Jacketing	.....	53.63	7.02
		For Stucco Embossed, Add	.....	0.26	
		For Corrugated, Add	.....	0.64	
22 07 19 00-0834	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	.....	55.57	7.22
		For Stucco Embossed, Add	.....	0.27	
		For Corrugated, Add	.....	0.67	
22 07 19 00-0835	LF	11-1/2" ID, 0.040" Aluminum Insulation Jacketing	.....	57.36	7.36
		For Stucco Embossed, Add	.....	0.28	
		For Corrugated, Add	.....	0.70	
22 07 19 00-0836	LF	12" ID, 0.040" Aluminum Insulation Jacketing	.....	59.10	7.50
		For Stucco Embossed, Add	.....	0.29	
		For Corrugated, Add	.....	0.73	
22 07 19 00-0837	LF	12-1/2" ID, 0.040" Aluminum Insulation Jacketing	.....	61.16	7.72
		For Stucco Embossed, Add	.....	0.30	
		For Corrugated, Add	.....	0.76	
22 07 19 00-0838	LF	13" ID, 0.040" Aluminum Insulation Jacketing	.....	62.64	7.80
		For Stucco Embossed, Add	.....	0.31	
		For Corrugated, Add	.....	0.79	
22 07 19 00-0839	LF	14" ID, 0.040" Aluminum Insulation Jacketing	.....	65.36	7.88
		For Stucco Embossed, Add	.....	0.34	
		For Corrugated, Add	.....	0.85	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0840	LF	15" ID, 0.040" Aluminum Insulation Jacketing	68.34	8.04
		For Stucco Embossed, Add	0.36	
		For Corrugated, Add	0.90	
22 07 19 00-0841	LF	16" ID, 0.040" Aluminum Insulation Jacketing	71.08	8.13
		For Stucco Embossed, Add	0.39	
		For Corrugated, Add	0.96	
22 07 19 00-0842	LF	17" ID, 0.040" Aluminum Insulation Jacketing	74.11	8.30
		For Stucco Embossed, Add	0.41	
		For Corrugated, Add	1.02	
22 07 19 00-0843	LF	18" ID, 0.040" Aluminum Insulation Jacketing	76.07	8.39
		For Stucco Embossed, Add	0.43	
		For Corrugated, Add	1.06	
22 07 19 00-0844	LF	19" ID, 0.040" Aluminum Insulation Jacketing	79.95	8.58
		For Stucco Embossed, Add	0.46	
		For Corrugated, Add	1.14	
22 07 19 00-0845	LF	20" ID, 0.040" Aluminum Insulation Jacketing	82.75	8.67
		For Stucco Embossed, Add	0.48	
		For Corrugated, Add	1.20	
22 07 19 00-0846	LF	21" ID, 0.040" Aluminum Insulation Jacketing	85.86	8.88
		For Stucco Embossed, Add	0.50	
		For Corrugated, Add	1.26	
22 07 19 00-0847	LF	22" ID, 0.040" Aluminum Insulation Jacketing	88.61	8.98
		For Stucco Embossed, Add	0.53	
		For Corrugated, Add	1.32	
22 07 19 00-0848	LF	23" ID, 0.040" Aluminum Insulation Jacketing	91.87	9.20
		For Stucco Embossed, Add	0.55	
		For Corrugated, Add	1.38	
22 07 19 00-0849	LF	24" ID, 0.040" Aluminum Insulation Jacketing	94.63	9.30
		For Stucco Embossed, Add	0.57	
		For Corrugated, Add	1.44	

22 07 19 00-0850 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0591)

22 07 19 00-0851	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.96	3.60
22 07 19 00-0852	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	26.49	3.74
22 07 19 00-0853	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.06	3.88
22 07 19 00-0854	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.30	3.94
22 07 19 00-0855	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.55	4.01
22 07 19 00-0856	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.94	4.11
22 07 19 00-0857	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	32.58	4.21
22 07 19 00-0858	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	33.01	4.32
22 07 19 00-0859	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	36.17	4.39
22 07 19 00-0860	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	36.96	4.47
22 07 19 00-0861	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	38.35	4.59
22 07 19 00-0862	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	39.25	4.67
22 07 19 00-0863	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	39.59	4.76
22 07 19 00-0864	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	39.96	4.85
22 07 19 00-0865	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	42.96	4.95
22 07 19 00-0866	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	46.91	5.05
22 07 19 00-0867	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	54.10	5.20
22 07 19 00-0868	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	54.54	5.31
22 07 19 00-0869	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	50.34	5.48
22 07 19 00-0870	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	50.83	5.61
22 07 19 00-0871	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	57.41	5.80
22 07 19 00-0872	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	65.26	5.94
22 07 19 00-0873	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	65.54	6.01
22 07 19 00-0874	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	85.36	6.08
22 07 19 00-0875	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	70.13	6.16
22 07 19 00-0876	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	109.34	6.31
22 07 19 00-0877	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	109.98	6.47
22 07 19 00-0878	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	88.07	6.55
22 07 19 00-0879	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	88.43	6.64
22 07 19 00-0880	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	90.12	6.73
22 07 19 00-0881	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	90.48	6.82
22 07 19 00-0882	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	99.88	7.01
22 07 19 00-0883	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	100.27	7.10
22 07 19 00-0884	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	157.13	7.32
22 07 19 00-0885	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	157.57	7.43
22 07 19 00-0886	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	202.07	7.65
22 07 19 00-0887	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	210.82	7.89
22 07 19 00-0888	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	227.61	8.01
22 07 19 00-0889	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	28.02	4.01
22 07 19 00-0890	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	28.41	4.11
22 07 19 00-0891	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.39	4.21
22 07 19 00-0892	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.82	4.32
22 07 19 00-0893	EA	3-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	33.02	4.39
22 07 19 00-0894	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	33.33	4.47
22 07 19 00-0895	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.08	4.59
22 07 19 00-0896	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	36.64	4.67
22 07 19 00-0897	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	36.98	4.76
22 07 19 00-0898	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	37.35	4.85
22 07 19 00-0899	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	40.86	4.95
22 07 19 00-0900	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	41.26	5.05
22 07 19 00-0901	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	42.90	5.20
22 07 19 00-0902	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	44.03	5.48
22 07 19 00-0903	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	53.72	5.80
22 07 19 00-0904	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	54.26	5.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0905	EA		7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	55.11	6.08
22 07 19 00-0906	EA		8" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	55.40	6.16
22 07 19 00-0907	EA		8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	63.54	6.31
22 07 19 00-0908	EA		9" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	64.18	6.47
22 07 19 00-0909	EA		9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	79.37	6.55
22 07 19 00-0910	EA		10" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	79.73	6.64
22 07 19 00-0911	EA		10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	76.64	6.73
22 07 19 00-0912	EA		11" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	77.00	6.82
22 07 19 00-0913	EA		11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	87.77	7.01
22 07 19 00-0914	EA		12" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	88.16	7.10
22 07 19 00-0915	EA		13" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	99.80	7.43
22 07 19 00-0916	EA		14" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	116.61	7.65
22 07 19 00-0917	EA		15" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	164.08	7.89
22 07 19 00-0918	EA		16" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	175.73	8.01
22 07 19 00-0919	EA		17" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	172.86	8.14
22 07 19 00-0920	EA		18" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	193.13	8.27
22 07 19 00-0921	EA		19" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	229.13	8.41
22 07 19 00-0922	EA		20" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	223.27	8.55
22 07 19 00-0923	EA		21" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	238.91	8.70
22 07 19 00-0924	EA		2-1/2" ID, Aluminum Tee Insulation Jacketing.....	105.33	5.74
22 07 19 00-0925	EA		2-3/4" ID, Aluminum Tee Insulation Jacketing.....	105.87	5.87
22 07 19 00-0926	EA		3" ID, Aluminum Tee Insulation Jacketing.....	117.11	6.01
22 07 19 00-0927	EA		3-1/4" ID, Aluminum Tee Insulation Jacketing.....	117.69	6.16
22 07 19 00-0928	EA		3-1/2" ID Aluminum Tee Insulation Jacketing.....	122.78	6.31
22 07 19 00-0929	EA		4" ID, Aluminum Tee Insulation Jacketing.....	124.48	6.47
22 07 19 00-0930	EA		4-1/4" ID, Aluminum Tee Insulation Jacketing.....	130.85	6.64
22 07 19 00-0931	EA		4-1/2" ID, Aluminum Tee Insulation Jacketing.....	130.71	6.82
22 07 19 00-0932	EA		4-3/4" ID, Aluminum Tee Insulation Jacketing.....	131.47	7.01
22 07 19 00-0933	EA		5" ID, Aluminum Tee Insulation Jacketing.....	136.13	7.21
22 07 19 00-0934	EA		5-1/4" ID, Aluminum Tee Insulation Jacketing.....	136.98	7.43
22 07 19 00-0935	EA		5-1/2" ID, Aluminum Tee Insulation Jacketing.....	142.62	7.65
22 07 19 00-0936	EA		6" ID, Aluminum Tee Insulation Jacketing.....	143.58	7.89
22 07 19 00-0937	EA		6-1/2" ID, Aluminum Tee Insulation Jacketing.....	156.72	8.41
22 07 19 00-0938	EA		7" ID, Aluminum Tee Insulation Jacketing.....	157.88	8.70
22 07 19 00-0939	EA		7-1/2" ID, Aluminum Tee Insulation Jacketing.....	172.91	9.02
22 07 19 00-0940	EA		8" ID, Aluminum Tee Insulation Jacketing.....	174.24	9.35
22 07 19 00-0941	EA		8-1/2" ID, Aluminum Tee Insulation Jacketing.....	179.29	9.70
22 07 19 00-0942	EA		9" ID, Aluminum Tee Insulation Jacketing.....	180.84	10.09
22 07 19 00-0943	EA		9-1/2" ID, Aluminum Tee Insulation Jacketing.....	145.45	10.30
22 07 19 00-0944	EA		10" ID, Aluminum Tee Insulation Jacketing.....	146.30	10.52
22 07 19 00-0945	EA		10-1/2" ID, Aluminum Tee Insulation Jacketing.....	154.00	10.74
22 07 19 00-0946	EA		11" ID, Aluminum Tee Insulation Jacketing.....	154.94	10.97
22 07 19 00-0947	EA		11-1/2" ID, Aluminum Tee Insulation Jacketing.....	161.96	11.21
22 07 19 00-0948	EA		12" ID, Aluminum Tee Insulation Jacketing.....	162.98	11.47
22 07 19 00-0949	EA		13" ID, Aluminum Tee Insulation Jacketing.....	169.87	11.73
22 07 19 00-0950	EA		14" ID, Aluminum Tee Insulation Jacketing.....	177.02	12.02
22 07 19 00-0951	EA		15" ID, Aluminum Tee Insulation Jacketing.....	188.72	12.31
22 07 19 00-0952	EA		16" ID, Aluminum Tee Insulation Jacketing.....	193.44	12.62
22 07 19 00-0953	EA		17" ID, Aluminum Tee Insulation Jacketing.....	216.14	12.94
22 07 19 00-0954	EA		18" ID, Aluminum Tee Insulation Jacketing.....	223.90	13.28
22 07 19 00-0955	EA		19" ID, Aluminum Tee Insulation Jacketing.....	243.42	13.64
22 07 19 00-0956	EA		20" ID, Aluminum Tee Insulation Jacketing.....	249.05	14.02
22 07 19 00-0957	EA		22" ID, Aluminum Tee Insulation Jacketing.....	303.17	14.42
22 07 19 00-0958	EA		23" ID, Aluminum Tee Insulation Jacketing.....	311.69	14.84
22 07 19 00-0959	EA		24" ID, Aluminum Tee Insulation Jacketing.....	324.00	16.28
22 07 19 00-0960			Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0960)		
22 07 19 00-0961			Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0960)		
22 07 19 00-0962	SF		0.010" Stainless Steel Insulation Jacket With Bands.....	23.87	9.46
22 07 19 00-0963	SF		0.016" Stainless Steel Insulation Jacket With Bands.....	29.35	11.35
22 07 19 00-0964			10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0964)		
22 07 19 00-0965	LF		2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.24	2.02
22 07 19 00-0966	LF		2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.78	2.06
22 07 19 00-0967	LF		3" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.31	2.10
22 07 19 00-0968	LF		3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.88	2.14
22 07 19 00-0969	LF		3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.43	2.19
22 07 19 00-0970	LF		3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.00	2.24
22 07 19 00-0971	LF		4" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.57	2.29
22 07 19 00-0972	LF		4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.15	2.34
22 07 19 00-0973	LF		4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.74	2.41
22 07 19 00-0974	LF		5" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.97	2.53
22 07 19 00-0975	LF		5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	19.24	2.66
22 07 19 00-0976	LF		6" ID, 0.010" Stainless Steel Insulation Jacketing.....	20.56	2.81
22 07 19 00-0977	LF		6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.62	2.89
22 07 19 00-0978	LF		7" ID, 0.010" Stainless Steel Insulation Jacketing.....	22.71	2.97
22 07 19 00-0979	LF		7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	23.88	3.08
22 07 19 00-0980	LF		8" ID, 0.010" Stainless Steel Insulation Jacketing.....	24.85	3.14
22 07 19 00-0981	LF		8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	25.83	3.19
22 07 19 00-0982	LF		9" ID, 0.010" Stainless Steel Insulation Jacketing.....	26.82	3.26
22 07 19 00-0983	LF		9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	27.81	3.32

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-0984	LF	10" ID, 0.010" Stainless Steel Insulation Jacketing.....	28.82	3.39
22 07 19 00-0985	LF	10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	29.85	3.46
22 07 19 00-0986	LF	11" ID, 0.010" Stainless Steel Insulation Jacketing.....	30.88	3.53
22 07 19 00-0987	LF	12" ID, 0.010" Stainless Steel Insulation Jacketing.....	32.96	3.68
22 07 19 00-0988	LF	13" ID, 0.010" Stainless Steel Insulation Jacketing.....	35.02	3.82
22 07 19 00-0989	LF	14" ID, 0.010" Stainless Steel Insulation Jacketing.....	36.72	3.88

22 07 19 00-0990 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands

(22 07 19 00-0990)

22 07 19 00-0991	LF	2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.78	2.69
22 07 19 00-0992	LF	2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	17.54	2.74
22 07 19 00-0993	LF	3" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.30	2.80
22 07 19 00-0994	LF	3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.08	2.86
22 07 19 00-0995	LF	3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.87	2.92
22 07 19 00-0996	LF	3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.66	2.98
22 07 19 00-0997	LF	4" ID, 0.016" Stainless Steel Insulation Jacketing.....	21.48	3.05
22 07 19 00-0998	LF	4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	22.29	3.12
22 07 19 00-0999	LF	4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	23.12	3.20
22 07 19 00-1000	LF	5" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.84	3.36
22 07 19 00-1001	LF	5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	26.62	3.53
22 07 19 00-1002	LF	6" ID, 0.016" Stainless Steel Insulation Jacketing.....	28.47	3.73
22 07 19 00-1003	LF	6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	29.97	3.83
22 07 19 00-1004	LF	7" ID, 0.016" Stainless Steel Insulation Jacketing.....	31.51	3.94
22 07 19 00-1005	LF	7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	33.15	4.10
22 07 19 00-1006	LF	8" ID, 0.016" Stainless Steel Insulation Jacketing.....	34.52	4.17
22 07 19 00-1007	LF	8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	35.92	4.25
22 07 19 00-1008	LF	9" ID, 0.016" Stainless Steel Insulation Jacketing.....	37.32	4.33
22 07 19 00-1009	LF	9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	38.73	4.42
22 07 19 00-1010	LF	10" ID, 0.016" Stainless Steel Insulation Jacketing.....	40.16	4.51
22 07 19 00-1011	LF	10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	41.62	4.60
22 07 19 00-1012	LF	11" ID, 0.016" Stainless Steel Insulation Jacketing.....	43.08	4.69
22 07 19 00-1013	LF	12" ID, 0.016" Stainless Steel Insulation Jacketing.....	46.03	4.90
22 07 19 00-1014	LF	13" ID, 0.016" Stainless Steel Insulation Jacketing.....	48.93	5.08
22 07 19 00-1015	LF	14" ID, 0.016" Stainless Steel Insulation Jacketing.....	51.37	5.16

22 07 19 00-1016 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings

(22 07 19 00-0990)

22 07 19 00-1017	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	34.42	4.01
22 07 19 00-1018	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	34.81	4.11
22 07 19 00-1019	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	36.07	4.21
22 07 19 00-1020	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	36.50	4.32
22 07 19 00-1021	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	37.77	4.39
22 07 19 00-1022	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	39.22	4.47
22 07 19 00-1023	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	41.84	4.59
22 07 19 00-1024	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	49.91	4.67
22 07 19 00-1025	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	50.25	4.76
22 07 19 00-1026	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	51.73	4.95
22 07 19 00-1027	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	68.41	5.20
22 07 19 00-1028	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	74.20	5.48
22 07 19 00-1029	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	95.14	5.80
22 07 19 00-1030	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	95.68	5.94
22 07 19 00-1031	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	108.31	6.08
22 07 19 00-1032	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	109.23	6.31
22 07 19 00-1033	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	112.08	6.31
22 07 19 00-1034	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	157.97	6.47
22 07 19 00-1035	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	156.00	6.55
22 07 19 00-1036	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	156.36	6.64
22 07 19 00-1037	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	182.21	6.73
22 07 19 00-1038	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	175.52	6.82
22 07 19 00-1039	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	196.73	7.10
22 07 19 00-1040	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	262.86	7.43
22 07 19 00-1041	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	265.32	7.65
22 07 19 00-1042	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.36	4.01
22 07 19 00-1043	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.75	4.11
22 07 19 00-1044	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	33.34	4.21
22 07 19 00-1045	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	33.77	4.32
22 07 19 00-1046	EA	3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	34.26	4.39
22 07 19 00-1047	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	34.57	4.47
22 07 19 00-1048	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	39.84	4.59
22 07 19 00-1049	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	48.85	4.67
22 07 19 00-1050	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	49.19	4.76
22 07 19 00-1051	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	49.56	4.85
22 07 19 00-1052	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	50.46	4.95
22 07 19 00-1053	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	51.48	5.20
22 07 19 00-1054	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	58.32	5.48
22 07 19 00-1055	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	59.59	5.80
22 07 19 00-1056	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	85.31	5.94
22 07 19 00-1057	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	87.15	6.08
22 07 19 00-1058	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	87.44	6.16
22 07 19 00-1059	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	98.76	6.31
22 07 19 00-1060	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	99.40	6.47
22 07 19 00-1061	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	112.52	6.55
22 07 19 00-1062	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	112.88	6.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1063	EA		10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	130.65	6.73
22 07 19 00-1064	EA		11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	131.01	6.82
22 07 19 00-1065	EA		12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	141.08	7.10
22 07 19 00-1066	EA		13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	162.25	7.43
22 07 19 00-1067			Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0590)		
22 07 19 00-1068			20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1067)		
22 07 19 00-1069	LF		1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.69	1.87
22 07 19 00-1070	LF		2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.38	1.94
22 07 19 00-1071	LF		2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.99	2.02
22 07 19 00-1072	LF		3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.73	2.10
22 07 19 00-1073	LF		3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.40	2.19
22 07 19 00-1074	LF		4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.15	2.29
22 07 19 00-1075	LF		4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.94	2.41
22 07 19 00-1076	LF		5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.72	2.53
22 07 19 00-1077	LF		5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.61	2.66
22 07 19 00-1078	LF		6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.54	2.81
22 07 19 00-1079	LF		6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.22	2.89
22 07 19 00-1080	LF		7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.86	2.97
22 07 19 00-1081	LF		7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.70	3.08
22 07 19 00-1082	LF		8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.23	3.14
22 07 19 00-1083	LF		8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.83	3.19
22 07 19 00-1084	LF		9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.42	3.26
22 07 19 00-1085	LF		9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	20.03	3.32
22 07 19 00-1086	LF		10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	20.61	3.39
22 07 19 00-1087	LF		10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.24	3.46
22 07 19 00-1088	LF		11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.88	3.53
22 07 19 00-1089	LF		11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	22.53	3.60
22 07 19 00-1090	LF		12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.15	3.68
22 07 19 00-1091	LF		12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.88	3.76
22 07 19 00-1092	LF		13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	24.42	3.82
22 07 19 00-1093	LF		13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	24.77	3.82
22 07 19 00-1094	LF		14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	25.36	3.88
22 07 19 00-1095	LF		15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	26.30	3.94
22 07 19 00-1096	LF		16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	27.21	4.01
22 07 19 00-1097	LF		17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	28.17	4.07
22 07 19 00-1098	LF		18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	29.14	4.14
22 07 19 00-1099	LF		19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	30.08	4.21
22 07 19 00-1100	LF		20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	31.07	4.28
22 07 19 00-1101	LF		21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	32.01	4.35
22 07 19 00-1102	LF		22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	33.03	4.43
22 07 19 00-1103	LF		23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	34.00	4.51
22 07 19 00-1104	LF		24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	35.04	4.59
22 07 19 00-1105	LF		25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	36.09	4.67
22 07 19 00-1106	LF		26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	37.08	4.76
22 07 19 00-1107	LF		27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	38.16	4.85
22 07 19 00-1108	LF		28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	39.19	4.95
22 07 19 00-1109	LF		29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	40.30	5.05
22 07 19 00-1110	LF		30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	41.41	5.15
22 07 19 00-1111			30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1067)		
22 07 19 00-1112	LF		2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.14	1.94
22 07 19 00-1113	LF		2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.94	2.02
22 07 19 00-1114	LF		3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.84	2.10
22 07 19 00-1115	LF		3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.66	2.19
22 07 19 00-1116	LF		4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.56	2.29
22 07 19 00-1117	LF		4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.50	2.41
22 07 19 00-1118	LF		5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.48	2.53
22 07 19 00-1119	LF		5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.53	2.66
22 07 19 00-1120	LF		6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.61	2.81
22 07 19 00-1121	LF		6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.43	2.89
22 07 19 00-1122	LF		7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.28	2.97
22 07 19 00-1123	LF		7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.27	3.08
22 07 19 00-1124	LF		8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.01	3.14
22 07 19 00-1125	LF		8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.75	3.19
22 07 19 00-1126	LF		9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.49	3.26
22 07 19 00-1127	LF		9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	23.26	3.32
22 07 19 00-1128	LF		10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	24.03	3.39
22 07 19 00-1129	LF		10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	24.82	3.46
22 07 19 00-1130	LF		11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	25.61	3.53
22 07 19 00-1131	LF		11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	26.41	3.60
22 07 19 00-1132	LF		12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	27.23	3.68
22 07 19 00-1133	LF		12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	28.11	3.76
22 07 19 00-1134	LF		13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	28.86	3.82
22 07 19 00-1135	LF		13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	29.36	3.82
22 07 19 00-1136	LF		14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	30.09	3.88
22 07 19 00-1137	LF		15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	31.34	3.94
22 07 19 00-1138	LF		16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	32.60	4.01
22 07 19 00-1139	LF		17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	33.87	4.07
22 07 19 00-1140	LF		18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	35.19	4.14
22 07 19 00-1141	LF		19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	36.48	4.21
22 07 19 00-1142	LF		20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	37.77	4.28

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 07 19 00-1143	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	39.07	4.35
22 07 19 00-1144	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	40.39	4.43
22 07 19 00-1145	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	41.71	4.51
22 07 19 00-1146	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	43.05	4.59
22 07 19 00-1147	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	44.45	4.67
22 07 19 00-1148	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	45.80	4.76
22 07 19 00-1149	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	47.18	4.85
22 07 19 00-1150	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	48.57	4.95
22 07 19 00-1151	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	49.97	5.05
22 07 19 00-1152	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	51.39	5.15

22 07 19 00-1153 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-

22 07 19 00-1154	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.72	3.74
22 07 19 00-1155	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.96	3.88
22 07 19 00-1156	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.60	3.94
22 07 19 00-1157	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.25	4.01
22 07 19 00-1158	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.00	4.11
22 07 19 00-1159	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.67	4.21
22 07 19 00-1160	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.89	4.35
22 07 19 00-1161	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.01	4.47
22 07 19 00-1162	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.12	4.59
22 07 19 00-1163	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	28.60	4.81
22 07 19 00-1164	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	31.13	5.05
22 07 19 00-1165	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	35.66	5.31
22 07 19 00-1166	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	46.47	5.61
22 07 19 00-1167	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	48.51	5.80
22 07 19 00-1168	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	55.45	5.94
22 07 19 00-1169	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	57.58	6.08
22 07 19 00-1170	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	68.03	6.31
22 07 19 00-1171	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	83.36	6.55
22 07 19 00-1172	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	91.08	6.82
22 07 19 00-1173	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	101.55	7.10
22 07 19 00-1174	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	122.02	7.43
22 07 19 00-1175	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	136.11	7.65
22 07 19 00-1176	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	144.93	7.89
22 07 19 00-1177	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	155.81	8.01
22 07 19 00-1178	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	169.89	8.14
22 07 19 00-1179	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	210.24	8.27
22 07 19 00-1180	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	274.14	8.41
22 07 19 00-1181	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	343.29	8.55
22 07 19 00-1182	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.72	3.74
22 07 19 00-1183	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.96	3.88
22 07 19 00-1184	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.60	3.94
22 07 19 00-1185	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	20.25	4.01
22 07 19 00-1186	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.00	4.11
22 07 19 00-1187	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.67	4.21
22 07 19 00-1188	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.89	4.35
22 07 19 00-1189	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.01	4.47
22 07 19 00-1190	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	26.12	4.59
22 07 19 00-1191	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	28.60	4.81
22 07 19 00-1192	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	31.13	5.05
22 07 19 00-1193	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	35.66	5.31
22 07 19 00-1194	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	46.47	5.61
22 07 19 00-1195	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	48.51	5.80
22 07 19 00-1196	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	55.45	5.94
22 07 19 00-1197	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	57.58	6.08
22 07 19 00-1198	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	68.03	6.31
22 07 19 00-1199	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	83.36	6.55
22 07 19 00-1200	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	91.03	6.82
22 07 19 00-1201	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	98.73	7.10
22 07 19 00-1202	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	108.16	7.43
22 07 19 00-1203	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	120.23	7.65
22 07 19 00-1204	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	127.75	7.89
22 07 19 00-1205	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	141.90	8.01
22 07 19 00-1206	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	156.28	8.14
22 07 19 00-1207	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	184.29	8.27
22 07 19 00-1208	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	239.87	8.41
22 07 19 00-1209	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	267.80	8.55
22 07 19 00-1210	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	26.27	5.25
22 07 19 00-1211	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	27.42	5.37
22 07 19 00-1212	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	28.63	5.54
22 07 19 00-1213	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	30.00	5.74
22 07 19 00-1214	EA	2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	31.51	5.94
22 07 19 00-1215	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	33.03	6.16
22 07 19 00-1216	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.23	6.39
22 07 19 00-1217	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	37.56	6.64
22 07 19 00-1218	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	40.65	6.91
22 07 19 00-1219	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	45.02	7.21
22 07 19 00-1220	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	49.58	7.54
22 07 19 00-1221	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	57.89	8.01
22 07 19 00-1222	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	67.62	8.41
22 07 19 00-1223	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	76.24	8.55
22 07 19 00-1224	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	103.34	8.86
22 07 19 00-1225	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	111.87	9.35

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 07 19 00-1226	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	129.43	9.70	
22 07 19 00-1227	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	147.21	10.09	
22 07 19 00-1228	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	150.15	10.52	
22 07 19 00-1229	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	163.04	10.74	
22 07 19 00-1230	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	175.98	10.97	
22 07 19 00-1231	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	189.04	11.21	
22 07 19 00-1232	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	202.01	11.47	
22 07 19 00-1233	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	215.11	11.73	
22 07 19 00-1234	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	228.12	12.02	
22 07 19 00-1235	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	247.45	12.31	
22 07 19 00-1236	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	266.72	12.62	
22 07 19 00-1237	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	290.03	12.94	
22 07 19 00-1238	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	36.34	3.60	
22 07 19 00-1239	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	36.34	3.60	
22 07 19 00-1240	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	42.72	3.74	
22 07 19 00-1241	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	42.72	3.74	
22 07 19 00-1242	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	59.32	3.88	
22 07 19 00-1243	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	64.78	4.04	
22 07 19 00-1244	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	71.31	4.21	
22 07 19 00-1245	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	80.60	4.39	
22 07 19 00-1246	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	88.61	4.59	
22 07 19 00-1247	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	107.53	5.05	
22 07 19 00-1248	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	151.44	5.61	
22 07 19 00-1249	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	165.74	6.31	
22 07 19 00-1250	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	206.68	6.73	
22 07 19 00-1251	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	288.22	7.43	
22 07 19 00-1252	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	290.04	7.77	
22 07 19 00-1253	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	384.26	8.01	
22 07 19 00-1254	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	517.51	8.27	
22 07 19 00-1255	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.92	3.60	
22 07 19 00-1256	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.92	3.60	
22 07 19 00-1257	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	39.80	3.74	
22 07 19 00-1258	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	39.80	3.74	
22 07 19 00-1259	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	54.54	3.88	
22 07 19 00-1260	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	59.44	4.04	
22 07 19 00-1261	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	65.46	4.21	
22 07 19 00-1262	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	68.85	4.39	
22 07 19 00-1263	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	80.85	4.59	
22 07 19 00-1264	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	97.90	5.05	
22 07 19 00-1265	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	137.28	5.61	
22 07 19 00-1266	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	150.22	6.31	
22 07 19 00-1267	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	186.93	6.73	
22 07 19 00-1268	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	259.95	7.43	
22 07 19 00-1269	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	330.56	7.77	
22 07 19 00-1270	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	394.89	8.01	
22 07 19 00-1271	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	461.37	8.27	
22 07 19 00-1272	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	50.28	5.42	
22 07 19 00-1273	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	50.28	5.42	
22 07 19 00-1274	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	58.51	5.61	
22 07 19 00-1275	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	58.51	5.61	
22 07 19 00-1276	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	80.11	5.80	
22 07 19 00-1277	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	87.33	6.01	
22 07 19 00-1278	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	96.05	6.31	
22 07 19 00-1279	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	101.25	6.55	
22 07 19 00-1280	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	119.27	6.91	
22 07 19 00-1281	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	131.07	7.54	
22 07 19 00-1282	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	182.97	8.41	
22 07 19 00-1283	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	199.25	9.35	
22 07 19 00-1284	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	274.11	10.09	
22 07 19 00-1285	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	379.88	10.97	
22 07 19 00-1286	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	452.78	11.73	
22 07 19 00-1287	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	534.89	12.02	
22 07 19 00-1288	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	585.55	12.31	

22 10 Plumbing Piping ⁽²²⁾

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution ^(22 10)

22 11 16 Domestic Water Piping ^(22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies ^(22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	21.05	4.78
For ASTM 120, Deduct			-0.78	
For Work In Restricted Working Space, Add			4.76	
For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add			5.51	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	23.15	5.13
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings).		
		All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-0.96	
		For Work In Restricted Working Space, Add	5.03	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	6.23	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	26.36	5.62
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings).		
		All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-1.26	
		For Work In Restricted Working Space, Add	5.38	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	7.38	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	30.99	5.85
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings).		
		All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-1.79	
		For Work In Restricted Working Space, Add	5.71	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	9.19	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	33.40	6.93
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings).		
		All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-2.03	
		For Work In Restricted Working Space, Add	5.96	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	10.07	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	40.28	8.36
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings).		
		All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-2.65	
		For Work In Restricted Working Space, Add	6.78	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	12.48	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	57.09	9.91
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings).		
		All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-4.59	
		For Work In Restricted Working Space, Add	7.94	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	19.07	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	70.97	13.26
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings).		
		All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-5.84	
		For Work In Restricted Working Space, Add	9.62	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	23.92	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	102.02	14.87
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings).		
		All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-10.09	
		For Work In Restricted Working Space, Add	10.42	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	37.22	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	179.69	19.01
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings).		
		All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-20.66	
		For Work In Restricted Working Space, Add	12.59	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	70.37	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	200.67	22.48
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings).		
		All hangers are complete assemblies. Not for use where detail is available.		
		For ASTM 120, Deduct	-22.95	
		For Work In Restricted Working Space, Add	14.31	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	78.38	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings (22 11 16)

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013)

Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0015	LF	1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	10.29	4.78
		For ASTM 120, Deduct	-0.46	
		For Work In Restricted Working Space, Add	2.17	
		For Schedule 80 Pipe, Add	2.19	
22 11 16 00-0016	LF	3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	11.74	5.13
		For ASTM 120, Deduct	-0.60	
		For Work In Restricted Working Space, Add	2.31	
		For Schedule 80 Pipe, Add	2.71	
22 11 16 00-0017	LF	1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	14.33	5.62
		For ASTM 120, Deduct	-0.90	
		For Work In Restricted Working Space, Add	2.51	
		For Schedule 80 Pipe, Add	3.71	
22 11 16 00-0018	LF	1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	16.95	5.85
		For ASTM 120, Deduct	-1.22	
		For Work In Restricted Working Space, Add	2.66	
		For Schedule 80 Pipe, Add	4.77	
22 11 16 00-0019	LF	1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	20.08	6.93
		For ASTM 120, Deduct	-1.45	
		For Work In Restricted Working Space, Add	3.12	
		For Schedule 80 Pipe, Add	5.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0020	LF		2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	25.58	8.36
			For ASTM 120, Deduct	-1.95	
			For Work In Restricted Working Space, Add	3.77	
			For Schedule 80 Pipe, Add	7.50	
22 11 16 00-0021	LF		2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	35.56	9.91
			For ASTM 120, Deduct	-3.09	
			For Work In Restricted Working Space, Add	4.48	
			For Schedule 80 Pipe, Add	11.40	
22 11 16 00-0022	LF		3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	46.92	13.26
			For ASTM 120, Deduct	-4.05	
			For Work In Restricted Working Space, Add	5.97	
			For Schedule 80 Pipe, Add	14.96	
22 11 16 00-0023	LF		4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	60.82	14.87
			For ASTM 120, Deduct	-5.77	
			For Work In Restricted Working Space, Add	6.71	
			For Schedule 80 Pipe, Add	20.69	
22 11 16 00-0024	LF		5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	80.04	19.01
			For ASTM 120, Deduct	-7.74	
			For Work In Restricted Working Space, Add	8.54	
			For Schedule 80 Pipe, Add	27.60	
22 11 16 00-0025	LF		6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	100.56	22.48
			For ASTM 120, Deduct	-10.04	
			For Work In Restricted Working Space, Add	10.10	
			For Schedule 80 Pipe, Add	35.48	
22 11 16 00-0026	LF		8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	112.94	27.17
			For ASTM 120, Deduct	-10.84	
			For Work In Restricted Working Space, Add	12.20	
			For Schedule 80 Pipe, Add	38.76	
22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe (22 11 16 00-0013)					
Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.					
22 11 16 00-0028	LF		1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	14.15	4.78
			For ASTM 120, Deduct	-1.04	
			For Work In Restricted Working Space, Add	2.17	
			For Schedule 80 Pipe, Add	4.04	
22 11 16 00-0029	LF		3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	15.99	5.13
			For ASTM 120, Deduct	-1.24	
			For Work In Restricted Working Space, Add	2.31	
			For Schedule 80 Pipe, Add	4.75	
22 11 16 00-0030	LF		1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	17.98	5.62
			For ASTM 120, Deduct	-1.44	
			For Work In Restricted Working Space, Add	2.51	
			For Schedule 80 Pipe, Add	5.46	
22 11 16 00-0031	LF		1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	20.94	5.85
			For ASTM 120, Deduct	-1.81	
			For Work In Restricted Working Space, Add	2.66	
			For Schedule 80 Pipe, Add	6.69	
22 11 16 00-0032	LF		1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	24.20	6.93
			For ASTM 120, Deduct	-2.07	
			For Work In Restricted Working Space, Add	3.12	
			For Schedule 80 Pipe, Add	7.67	
22 11 16 00-0033	LF		2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	28.30	8.36
			For ASTM 120, Deduct	-2.36	
			For Work In Restricted Working Space, Add	3.77	
			For Schedule 80 Pipe, Add	8.81	
22 11 16 00-0034	LF		2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	41.26	9.91
			For ASTM 120, Deduct	-3.95	
			For Work In Restricted Working Space, Add	4.48	
			For Schedule 80 Pipe, Add	14.13	
22 11 16 00-0035	LF		3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	52.10	13.26
			For ASTM 120, Deduct	-4.83	
			For Work In Restricted Working Space, Add	5.97	
			For Schedule 80 Pipe, Add	17.44	
22 11 16 00-0036	LF		4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	68.39	14.87
			For ASTM 120, Deduct	-6.90	
			For Work In Restricted Working Space, Add	6.71	
			For Schedule 80 Pipe, Add	24.33	
22 11 16 00-0037	LF		5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	88.53	19.01
			For ASTM 120, Deduct	-9.01	
			For Work In Restricted Working Space, Add	8.54	
			For Schedule 80 Pipe, Add	31.68	
22 11 16 00-0038	LF		6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	110.50	22.48
			For ASTM 120, Deduct	-11.53	
			For Work In Restricted Working Space, Add	10.10	
			For Schedule 80 Pipe, Add	40.25	
22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)					
22 11 16 00-0040	EA		1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	35.62	21.26
			For ASTM 120, Deduct	-0.57	
			For Work In Restricted Working Space, Add	9.56	
			For 300 Lb. Rating, Add	14.73	
22 11 16 00-0041	EA		3/4", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	40.29	23.77
			For ASTM 120, Deduct	-0.70	
			For Work In Restricted Working Space, Add	10.70	
			For 300 Lb. Rating, Add	17.92	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 11 16 00-0042	EA	1", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow.....	48.40	26.51	
		For ASTM 120, Deduct	-1.29		
		For Work In Restricted Working Space, Add	11.94		
		For 300 Lb. Rating, Add	31.59		
22 11 16 00-0043	EA	1-1/4", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow.....	58.65	30.10	
		For ASTM 120, Deduct	-2.04		
		For Work In Restricted Working Space, Add	13.52		
		For 300 Lb. Rating, Add	48.88		
22 11 16 00-0044	EA	1-1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow.....	68.54	33.92	
		For ASTM 120, Deduct	-2.66		
		For Work In Restricted Working Space, Add	15.25		
		For 300 Lb. Rating, Add	63.30		
22 11 16 00-0045	EA	2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow.....	93.58	43.12	
		For ASTM 120, Deduct	-4.35		
		For Work In Restricted Working Space, Add	19.37		
		For 300 Lb. Rating, Add	102.54		
22 11 16 00-0046	EA	2-1/2", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow.....	171.49	63.78	
		For ASTM 120, Deduct	-11.39		
		For Work In Restricted Working Space, Add	28.67		
		For 300 Lb. Rating, Add	263.93		
22 11 16 00-0047	EA	3", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow.....	250.93	83.85	
		For ASTM 120, Deduct	-18.78		
		For Work In Restricted Working Space, Add	37.72		
		For 300 Lb. Rating, Add	433.22		
22 11 16 00-0048	EA	4", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow.....	351.28	86.99	
		For ASTM 120, Deduct	-33.12		
		For Work In Restricted Working Space, Add	39.14		
		For 300 Lb. Rating, Add	758.65		
22 11 16 00-0049	EA	5", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow.....	1,089.77	90.79	
		For ASTM 120, Deduct	-143.05		
		For Work In Restricted Working Space, Add	40.84		
		For 300 Lb. Rating, Add	3,250.58		
22 11 16 00-0050	EA	6", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow.....	1,021.47	94.93	
		For ASTM 120, Deduct	-131.87		
		For Work In Restricted Working Space, Add	42.69		
		For 300 Lb. Rating, Add	2,997.68		
22 11 16 00-0051	EA	8", 150 Lb., Galvanized Malleable Iron 90 Degree Elbow.....	1,209.37	99.20	
		For ASTM 120, Deduct	-159.10		
		For Work In Restricted Working Space, Add	44.62		
		For 300 Lb. Rating, Add	3,615.13		
22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)					
22 11 16 00-0053	EA	3/4" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	41.82	22.46	
		For ASTM 120, Deduct	-1.21		
		For Work In Restricted Working Space, Add	10.13		
22 11 16 00-0054	EA	1" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	48.08	25.20	
		For ASTM 120, Deduct	-1.55		
		For Work In Restricted Working Space, Add	11.32		
22 11 16 00-0055	EA	1" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	46.81	23.89	
		For ASTM 120, Deduct	-1.65		
		For Work In Restricted Working Space, Add	10.75		
22 11 16 00-0056	EA	1-1/4" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	59.80	28.30	
		For ASTM 120, Deduct	-2.60		
		For Work In Restricted Working Space, Add	12.73		
22 11 16 00-0057	EA	1-1/4" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	61.21	26.88	
		For ASTM 120, Deduct	-3.13		
		For Work In Restricted Working Space, Add	12.11		
22 11 16 00-0058	EA	1-1/4" x 1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	60.55	25.68	
		For ASTM 120, Deduct	-3.31		
		For Work In Restricted Working Space, Add	11.54		
22 11 16 00-0059	EA	1-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	75.68	32.01	
		For ASTM 120, Deduct	-4.16		
		For Work In Restricted Working Space, Add	14.38		
22 11 16 00-0060	EA	1-1/2" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	73.06	30.22	
		For ASTM 120, Deduct	-4.16		
		For Work In Restricted Working Space, Add	13.60		
22 11 16 00-0061	EA	1-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	70.98	28.79	
		For ASTM 120, Deduct	-4.16		
		For Work In Restricted Working Space, Add	12.97		
22 11 16 00-0062	EA	2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	90.10	38.46	
		For ASTM 120, Deduct	-4.86		
		For Work In Restricted Working Space, Add	17.31		
22 11 16 00-0063	EA	2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	91.96	36.55	
		For ASTM 120, Deduct	-5.57		
		For Work In Restricted Working Space, Add	16.44		
22 11 16 00-0064	EA	2" x 1", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	90.73	34.76	
		For ASTM 120, Deduct	-5.78		
		For Work In Restricted Working Space, Add	15.65		
22 11 16 00-0065	EA	2" x 3/4", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	79.35	33.44	
		For ASTM 120, Deduct	-4.39		
		For Work In Restricted Working Space, Add	15.03		
22 11 16 00-0066	EA	2-1/2" x 2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	189.90	53.39	
		For ASTM 120, Deduct	-16.48		
		For Work In Restricted Working Space, Add	24.02		
22 11 16 00-0067	EA	2-1/2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow.....	195.58	48.85	
		For ASTM 120, Deduct	-18.36		
		For Work In Restricted Working Space, Add	21.96		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0068	EA	3" x 2-1/2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	310.28	73.81
		For ASTM 120, Deduct	.....	-29.95	
		For Work In Restricted Working Space, Add	.....	33.19	
22 11 16 00-0069	EA	3" x 2", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	268.53	63.42
		For ASTM 120, Deduct	.....	-26.01	
		For Work In Restricted Working Space, Add	.....	28.54	
22 11 16 00-0070	EA	4" x 3", 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	.....	575.84	82.74
		For ASTM 120, Deduct	.....	-67.76	
		For Work In Restricted Working Space, Add	.....	37.22	
22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)					
22 11 16 00-0072	EA	1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	36.55	21.26
		For ASTM 120, Deduct	.....	-0.71	
		For Work In Restricted Working Space, Add	.....	9.56	
		For 300 Lb. Rating, Add	.....	17.89	
22 11 16 00-0073	EA	3/4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	42.40	23.77
		For ASTM 120, Deduct	.....	-1.01	
		For Work In Restricted Working Space, Add	.....	10.70	
		For 300 Lb. Rating, Add	.....	25.09	
22 11 16 00-0074	EA	1", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	47.43	26.51
		For ASTM 120, Deduct	.....	-1.14	
		For Work In Restricted Working Space, Add	.....	11.94	
		For 300 Lb. Rating, Add	.....	28.30	
22 11 16 00-0075	EA	1-1/4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	59.32	30.10
		For ASTM 120, Deduct	.....	-2.14	
		For Work In Restricted Working Space, Add	.....	13.52	
		For 300 Lb. Rating, Add	.....	51.15	
22 11 16 00-0076	EA	1-1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	67.55	33.92
		For ASTM 120, Deduct	.....	-2.51	
		For Work In Restricted Working Space, Add	.....	15.25	
		For 300 Lb. Rating, Add	.....	59.93	
22 11 16 00-0077	EA	2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	89.32	43.12
		For ASTM 120, Deduct	.....	-3.71	
		For Work In Restricted Working Space, Add	.....	19.37	
		For 300 Lb. Rating, Add	.....	88.06	
22 11 16 00-0078	EA	2-1/2", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	181.70	63.78
		For ASTM 120, Deduct	.....	-12.92	
		For Work In Restricted Working Space, Add	.....	28.67	
		For 300 Lb. Rating, Add	.....	298.64	
22 11 16 00-0079	EA	3", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	251.03	83.85
		For ASTM 120, Deduct	.....	-18.80	
		For Work In Restricted Working Space, Add	.....	37.72	
		For 300 Lb. Rating, Add	.....	433.56	
22 11 16 00-0080	EA	4", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	340.51	86.99
		For ASTM 120, Deduct	.....	-31.51	
		For Work In Restricted Working Space, Add	.....	39.14	
		For 300 Lb. Rating, Add	.....	722.03	
22 11 16 00-0081	EA	5", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	984.94	90.79
		For ASTM 120, Deduct	.....	-127.32	
		For Work In Restricted Working Space, Add	.....	40.84	
		For 300 Lb. Rating, Add	.....	2,894.16	
22 11 16 00-0082	EA	6", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	1,165.79	94.93
		For ASTM 120, Deduct	.....	-153.52	
		For Work In Restricted Working Space, Add	.....	42.69	
		For 300 Lb. Rating, Add	.....	3,488.37	
22 11 16 00-0083	EA	8", 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	.....	1,381.71	99.20
		For ASTM 120, Deduct	.....	-184.95	
		For Work In Restricted Working Space, Add	.....	44.62	
		For 300 Lb. Rating, Add	.....	4,201.09	
22 11 16 00-0084 Galvanized Malleable Iron Tees (22 11 16 00-0013)					
22 11 16 00-0085	EA	1/2", 150 Lb., Galvanized Malleable Iron Tee	.....	44.70	26.51
		For ASTM 120, Deduct	.....	-0.73	
		For Work In Restricted Working Space, Add	.....	11.94	
		For 300 Lb. Rating, Add	.....	19.01	
22 11 16 00-0086	EA	3/4", 150 Lb., Galvanized Malleable Iron Tee	.....	54.01	30.70
		For ASTM 120, Deduct	.....	-1.21	
		For Work In Restricted Working Space, Add	.....	13.78	
		For 300 Lb. Rating, Add	.....	30.19	
22 11 16 00-0087	EA	1", 150 Lb., Galvanized Malleable Iron Tee	.....	67.33	36.19
		For ASTM 120, Deduct	.....	-1.96	
		For Work In Restricted Working Space, Add	.....	16.29	
		For 300 Lb. Rating, Add	.....	47.59	
22 11 16 00-0088	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Tee	.....	85.26	43.12
		For ASTM 120, Deduct	.....	-3.11	
		For Work In Restricted Working Space, Add	.....	19.37	
		For 300 Lb. Rating, Add	.....	74.25	
22 11 16 00-0089	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Tee	.....	102.78	51.36
		For ASTM 120, Deduct	.....	-3.86	
		For Work In Restricted Working Space, Add	.....	23.12	
		For 300 Lb. Rating, Add	.....	92.07	
22 11 16 00-0090	EA	2", 150 Lb., Galvanized Malleable Iron Tee	.....	137.36	63.78
		For ASTM 120, Deduct	.....	-6.27	
		For Work In Restricted Working Space, Add	.....	28.67	
		For 300 Lb. Rating, Add	.....	147.89	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 11 16 00-0091	EA 2-1/2", 150 Lb., Galvanized Malleable Iron Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	221.58 -17.66 31.16 406.48		69.27
22 11 16 00-0092	EA 3", 150 Lb., Galvanized Malleable Iron Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	263.78 -20.71 37.72 476.91		83.85
22 11 16 00-0093	EA 4", 150 Lb., Galvanized Malleable Iron Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	491.37 -48.99 49.44 1,120.26		109.92
22 11 16 00-0094	EA 5", 150 Lb., Galvanized Malleable Iron Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	1,222.25 -153.99 58.70 3,502.08		130.49
22 11 16 00-0095	EA 6", 150 Lb., Galvanized Malleable Iron Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	1,388.01 -174.66 67.09 3,972.28		149.16
22 11 16 00-0096	EA 8", 150 Lb., Galvanized Malleable Iron Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	1,651.85 -207.52 80.51 4,719.93		177.12
22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)				
22 11 16 00-0098	EA 1/2", 150 Lb., Galvanized Malleable Iron Reducing Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	51.18 -1.71 11.94 41.05		26.51
22 11 16 00-0099	EA 3/4", 150 Lb., Galvanized Malleable Iron Reducing Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	57.15 -1.68 13.78 40.87		30.70
22 11 16 00-0100	EA 1", 150 Lb., Galvanized Malleable Iron Reducing Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	70.04 -2.36 16.29 56.81		36.19
22 11 16 00-0101	EA 1-1/4", 150 Lb., Galvanized Malleable Iron Reducing Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	88.99 -3.66 19.37 86.94		43.12
22 11 16 00-0102	EA 1-1/2", 150 Lb., Galvanized Malleable Iron Reducing Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	107.23 -4.53 23.12 107.20		51.36
22 11 16 00-0103	EA 2", 150 Lb., Galvanized Malleable Iron Reducing Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	139.60 -6.61 28.67 155.50		63.78
22 11 16 00-0104	EA 2-1/2", 150 Lb., Galvanized Malleable Iron Reducing Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	259.78 -23.34 31.26 535.26		69.51
22 11 16 00-0105	EA 3", 150 Lb., Galvanized Malleable Iron Reducing Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	329.50 -30.27 38.31 693.75		85.16
22 11 16 00-0106	EA 4", 150 Lb., Galvanized Malleable Iron Reducing Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	749.75 -87.74 49.44 1,998.75		109.92
22 11 16 00-0107	EA 5", 150 Lb., Galvanized Malleable Iron Reducing Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	1,552.31 -203.49 58.70 4,624.28		130.49
22 11 16 00-0108	EA 6", 150 Lb., Galvanized Malleable Iron Reducing Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	1,762.57 -230.84 67.09 5,245.78		149.16
22 11 16 00-0109	EA 8", 150 Lb., Galvanized Malleable Iron Reducing Tee..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	2,112.73 -278.33 77.15 6,324.30		171.29
22 11 16 00-0110 Galvanized Malleable Iron Couplings (22 11 16 00-0013)				
22 11 16 00-0111	EA 1/2", 150 Lb., Galvanized Malleable Iron Coupling..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	41.09 -1.39 9.56 33.33		21.26
22 11 16 00-0112	EA 3/4", 150 Lb., Galvanized Malleable Iron Coupling..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	46.30 -1.60 10.70 38.35		23.77
22 11 16 00-0113	EA 1", 150 Lb., Galvanized Malleable Iron Coupling..... For ASTM 120, Deduct For Work In Restricted Working Space, Add For 300 Lb. Rating, Add	57.26 -2.62 11.94 61.72		26.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0114	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Coupling	.....	69.69	30.10
		For ASTM 120, Deduct	.....	-3.69	
		For Work In Restricted Working Space, Add	.....	13.52	
		For 300 Lb. Rating, Add	.....	86.41	
22 11 16 00-0115	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Coupling	.....	78.80	33.92
		For ASTM 120, Deduct	.....	-4.20	
		For Work In Restricted Working Space, Add	.....	15.25	
		For 300 Lb. Rating, Add	.....	98.18	
22 11 16 00-0116	EA	2", 150 Lb., Galvanized Malleable Iron Coupling	.....	105.47	43.12
		For ASTM 120, Deduct	.....	-6.14	
		For Work In Restricted Working Space, Add	.....	19.37	
		For 300 Lb. Rating, Add	.....	142.97	
22 11 16 00-0117	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Coupling	.....	220.78	63.78
		For ASTM 120, Deduct	.....	-18.78	
		For Work In Restricted Working Space, Add	.....	28.67	
		For 300 Lb. Rating, Add	.....	431.52	
22 11 16 00-0118	EA	3", 150 Lb., Galvanized Malleable Iron Coupling	.....	293.11	83.85
		For ASTM 120, Deduct	.....	-25.11	
		For Work In Restricted Working Space, Add	.....	37.72	
		For 300 Lb. Rating, Add	.....	576.64	
22 11 16 00-0119	EA	4", 150 Lb., Galvanized Malleable Iron Coupling	.....	485.93	86.99
		For ASTM 120, Deduct	.....	-53.32	
		For Work In Restricted Working Space, Add	.....	39.14	
		For 300 Lb. Rating, Add	.....	1,216.46	
22 11 16 00-0120	EA	5", 150 Lb., Galvanized Malleable Iron Coupling	.....	1,137.06	90.79
		For ASTM 120, Deduct	.....	-150.14	
		For Work In Restricted Working Space, Add	.....	40.84	
		For 300 Lb. Rating, Add	.....	3,411.36	
22 11 16 00-0121	EA	6", 150 Lb., Galvanized Malleable Iron Coupling	.....	1,282.65	94.93
		For ASTM 120, Deduct	.....	-171.05	
		For Work In Restricted Working Space, Add	.....	42.69	
		For 300 Lb. Rating, Add	.....	3,885.69	
22 11 16 00-0122	EA	8", 150 Lb., Galvanized Malleable Iron Coupling	.....	1,523.07	99.20
		For ASTM 120, Deduct	.....	-206.15	
		For Work In Restricted Working Space, Add	.....	44.62	
		For 300 Lb. Rating, Add	.....	4,681.71	
22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)					
22 11 16 00-0124	EA	1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	43.06	21.26
		For ASTM 120, Deduct	.....	-1.68	
		For Work In Restricted Working Space, Add	.....	9.56	
		For 300 Lb. Rating, Add	.....	40.03	
22 11 16 00-0125	EA	3/4", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	47.64	23.77
		For ASTM 120, Deduct	.....	-1.80	
		For Work In Restricted Working Space, Add	.....	10.70	
		For 300 Lb. Rating, Add	.....	42.91	
22 11 16 00-0126	EA	1", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	59.79	26.51
		For ASTM 120, Deduct	.....	-3.00	
		For Work In Restricted Working Space, Add	.....	11.94	
		For 300 Lb. Rating, Add	.....	70.32	
22 11 16 00-0127	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	70.90	30.10
		For ASTM 120, Deduct	.....	-3.87	
		For Work In Restricted Working Space, Add	.....	13.52	
		For 300 Lb. Rating, Add	.....	90.53	
22 11 16 00-0128	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	84.14	33.92
		For ASTM 120, Deduct	.....	-5.00	
		For Work In Restricted Working Space, Add	.....	15.25	
		For 300 Lb. Rating, Add	.....	116.34	
22 11 16 00-0129	EA	2", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	110.01	43.12
		For ASTM 120, Deduct	.....	-6.82	
		For Work In Restricted Working Space, Add	.....	19.37	
		For 300 Lb. Rating, Add	.....	158.40	
22 11 16 00-0130	EA	2-1/2", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	222.37	63.78
		For ASTM 120, Deduct	.....	-19.02	
		For Work In Restricted Working Space, Add	.....	28.67	
		For 300 Lb. Rating, Add	.....	436.92	
22 11 16 00-0131	EA	3", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	288.36	83.85
		For ASTM 120, Deduct	.....	-24.39	
		For Work In Restricted Working Space, Add	.....	37.72	
		For 300 Lb. Rating, Add	.....	560.49	
22 11 16 00-0132	EA	4", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	495.08	86.99
		For ASTM 120, Deduct	.....	-54.69	
		For Work In Restricted Working Space, Add	.....	39.14	
		For 300 Lb. Rating, Add	.....	1,247.57	
22 11 16 00-0133	EA	5", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	1,189.75	90.79
		For ASTM 120, Deduct	.....	-158.04	
		For Work In Restricted Working Space, Add	.....	40.84	
		For 300 Lb. Rating, Add	.....	3,590.51	
22 11 16 00-0134	EA	6", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	1,342.67	94.93
		For ASTM 120, Deduct	.....	-180.05	
		For Work In Restricted Working Space, Add	.....	42.69	
		For 300 Lb. Rating, Add	.....	4,089.76	
22 11 16 00-0135	EA	8", 150 Lb., Galvanized Malleable Iron Reducing Coupling	.....	1,595.94	99.20
		For ASTM 120, Deduct	.....	-217.08	
		For Work In Restricted Working Space, Add	.....	44.62	
		For 300 Lb. Rating, Add	.....	4,929.47	
22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)					

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0137	EA 1/2", 150 Lb., Galvanized Malleable Iron Cap.....	17.02	9.91
	For ASTM 120, Deduct	-0.31	
	For Work In Restricted Working Space, Add	4.48	
	For 300 Lb. Rating, Add	8.00	
22 11 16 00-0138	EA 3/4", 150 Lb., Galvanized Malleable Iron Cap.....	18.81	10.63
	For ASTM 120, Deduct	-0.43	
	For Work In Restricted Working Space, Add	4.78	
	For 300 Lb. Rating, Add	10.78	
22 11 16 00-0139	EA 1", 150 Lb., Galvanized Malleable Iron Cap.....	21.97	12.30
	For ASTM 120, Deduct	-0.54	
	For Work In Restricted Working Space, Add	5.51	
	For 300 Lb. Rating, Add	13.31	
22 11 16 00-0140	EA 1-1/4", 150 Lb., Galvanized Malleable Iron Cap.....	23.99	12.90
	For ASTM 120, Deduct	-0.71	
	For Work In Restricted Working Space, Add	5.78	
	For 300 Lb. Rating, Add	17.20	
22 11 16 00-0141	EA 1-1/2", 150 Lb., Galvanized Malleable Iron Cap.....	23.69	12.90
	For ASTM 120, Deduct	-0.66	
	For Work In Restricted Working Space, Add	5.78	
	For 300 Lb. Rating, Add	16.18	
22 11 16 00-0142	EA 2", 150 Lb., Galvanized Malleable Iron Cap.....	35.15	17.08
	For ASTM 120, Deduct	-1.42	
	For Work In Restricted Working Space, Add	7.71	
	For 300 Lb. Rating, Add	33.71	
22 11 16 00-0143	EA 2-1/2", 150 Lb., Galvanized Malleable Iron Cap.....	53.08	21.26
	For ASTM 120, Deduct	-3.18	
	For Work In Restricted Working Space, Add	9.56	
	For 300 Lb. Rating, Add	74.09	
22 11 16 00-0144	EA 3", 150 Lb., Galvanized Malleable Iron Cap.....	68.76	25.68
	For ASTM 120, Deduct	-4.53	
	For Work In Restricted Working Space, Add	11.56	
	For 300 Lb. Rating, Add	105.09	
22 11 16 00-0145	EA 4", 150 Lb., Galvanized Malleable Iron Cap.....	101.24	29.85
	For ASTM 120, Deduct	-8.48	
	For Work In Restricted Working Space, Add	13.42	
	For 300 Lb. Rating, Add	194.82	
22 11 16 00-0146	EA 5", 150 Lb., Galvanized Malleable Iron Cap.....	243.52	37.35
	For ASTM 120, Deduct	-28.14	
	For Work In Restricted Working Space, Add	16.77	
	For 300 Lb. Rating, Add	641.23	
22 11 16 00-0147	EA 6", 150 Lb., Galvanized Malleable Iron Cap.....	303.05	44.39
	For ASTM 120, Deduct	-35.47	
	For Work In Restricted Working Space, Add	19.98	
	For 300 Lb. Rating, Add	807.89	
22 11 16 00-0148	EA 8", 150 Lb., Galvanized Malleable Iron Cap.....	380.78	49.60
	For ASTM 120, Deduct	-45.96	
	For Work In Restricted Working Space, Add	22.31	
	For 300 Lb. Rating, Add	1,046.29	

22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions (22 11 16 00-0013)

22 11 16 00-0150	EA 1/2", 150 Lb., Galvanized Malleable Iron Union.....	53.77	26.51
	For Work In Restricted Working Space, Add	11.94	
22 11 16 00-0151	EA 3/4", 150 Lb., Galvanized Malleable Iron Union.....	61.98	30.70
	For Work In Restricted Working Space, Add	13.78	
22 11 16 00-0152	EA 1", 150 Lb., Galvanized Malleable Iron Union.....	75.30	36.19
	For Work In Restricted Working Space, Add	16.29	
22 11 16 00-0153	EA 1-1/4", 150 Lb., Galvanized Malleable Iron Union.....	94.93	43.12
	For Work In Restricted Working Space, Add	19.37	
22 11 16 00-0154	EA 1-1/2", 150 Lb., Galvanized Malleable Iron Union.....	113.86	51.36
	For Work In Restricted Working Space, Add	23.12	
22 11 16 00-0155	EA 2", 150 Lb., Galvanized Malleable Iron Union.....	137.86	63.78
	For Work In Restricted Working Space, Add	28.67	
22 11 16 00-0156	EA 2-1/2", 150 Lb., Galvanized Malleable Iron Union.....	288.02	94.00
	For Work In Restricted Working Space, Add	42.32	
22 11 16 00-0157	EA 3", 150 Lb., Galvanized Malleable Iron Union.....	391.29	123.62
	For Work In Restricted Working Space, Add	55.68	
22 11 16 00-0158	EA 1/2", 250 Lb., Galvanized Malleable Iron Union.....	68.20	26.51
	For Work In Restricted Working Space, Add	11.94	
22 11 16 00-0159	EA 3/4", 250 Lb., Galvanized Malleable Iron Union.....	71.73	30.70
	For Work In Restricted Working Space, Add	13.78	
22 11 16 00-0160	EA 1", 250 Lb., Galvanized Malleable Iron Union.....	86.26	36.19
	For Work In Restricted Working Space, Add	16.28	
22 11 16 00-0161	EA 1-1/4", 250 Lb., Galvanized Malleable Iron Union.....	112.99	43.12
	For Work In Restricted Working Space, Add	19.37	
22 11 16 00-0162	EA 1-1/2", 250 Lb., Galvanized Malleable Iron Union.....	132.82	51.36
	For Work In Restricted Working Space, Add	23.12	
22 11 16 00-0163	EA 2", 250 Lb., Galvanized Malleable Iron Union.....	174.29	63.78
	For Work In Restricted Working Space, Add	28.67	
22 11 16 00-0164	EA 2-1/2", 250 Lb., Galvanized Malleable Iron Union.....	348.19	94.00
	For Work In Restricted Working Space, Add	42.32	
22 11 16 00-0165	EA 3", 250 Lb., Galvanized Malleable Iron Union.....	503.40	123.62
	For Work In Restricted Working Space, Add	55.68	
22 11 16 00-0166	EA 4", 250 Lb., Galvanized Malleable Iron Union.....	691.10	128.36
	For Work In Restricted Working Space, Add	57.77	
22 11 16 00-0167	EA 1/2", 300 Lb., Galvanized Malleable Iron Union.....	72.16	26.51
	For Work In Restricted Working Space, Add	11.94	
22 11 16 00-0168	EA 3/4", 300 Lb., Galvanized Malleable Iron Union.....	81.02	30.70
	For Work In Restricted Working Space, Add	13.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0169	EA		1", 300 Lb., Galvanized Malleable Iron Union.....	100.82	36.19
			For Work In Restricted Working Space, Add	16.28	
22 11 16 00-0170	EA		1-1/4", 300 Lb., Galvanized Malleable Iron Union.....	129.45	43.12
			For Work In Restricted Working Space, Add	19.37	
22 11 16 00-0171	EA		1-1/2", 300 Lb., Galvanized Malleable Iron Union.....	155.19	51.36
			For Work In Restricted Working Space, Add	23.12	
22 11 16 00-0172	EA		2", 300 Lb., Galvanized Malleable Iron Union.....	189.33	63.78
			For Work In Restricted Working Space, Add	28.67	
22 11 16 00-0173	EA		2-1/2", 300 Lb., Galvanized Malleable Iron Union.....	402.65	94.00
			For Work In Restricted Working Space, Add	42.32	
22 11 16 00-0174	EA		3", 300 Lb., Galvanized Malleable Iron Union.....	628.01	123.62
			For Work In Restricted Working Space, Add	55.68	
22 11 16 00-0175	EA		4", 300 Lb., Galvanized Malleable Iron Union.....	1,302.16	128.36
			For Work In Restricted Working Space, Add	57.77	
22 11 16 00-0176 Galvanized Steel Nipples (22 11 16 00-0013)					
Note: ASTM A-53.					
22 11 16 00-0177	EA		3/8" x Close, Schedule 40 Galvanized Steel Nipple	20.19	11.34
			For ASTM 120, Deduct	-0.47	
			For Work In Restricted Working Space, Add	5.12	
			For Schedule 80 Nipples, Add	3.57	
22 11 16 00-0178	EA		1/2" x Close, Schedule 40 Galvanized Steel Nipple	19.59	11.34
			For ASTM 120, Deduct	-0.38	
			For Work In Restricted Working Space, Add	5.12	
			For Schedule 80 Nipples, Add	2.88	
22 11 16 00-0179	EA		3/4" x Close, Schedule 40 Galvanized Steel Nipple	20.13	11.34
			For ASTM 120, Deduct	-0.46	
			For Work In Restricted Working Space, Add	5.12	
			For Schedule 80 Nipples, Add	3.50	
22 11 16 00-0180	EA		1" x Close, Schedule 40 Galvanized Steel Nipple	22.59	12.30
			For ASTM 120, Deduct	-0.63	
			For Work In Restricted Working Space, Add	5.51	
			For Schedule 80 Nipples, Add	4.80	
22 11 16 00-0181	EA		1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	25.56	13.26
			For ASTM 120, Deduct	-0.85	
			For Work In Restricted Working Space, Add	5.97	
			For Schedule 80 Nipples, Add	6.44	
22 11 16 00-0182	EA		1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	26.54	13.26
			For ASTM 120, Deduct	-0.99	
			For Work In Restricted Working Space, Add	5.97	
			For Schedule 80 Nipples, Add	7.56	
22 11 16 00-0183	EA		2" x Close, Schedule 40 Galvanized Steel Nipple	35.04	17.08
			For ASTM 120, Deduct	-1.40	
			For Work In Restricted Working Space, Add	7.71	
			For Schedule 80 Nipples, Add	10.66	
22 11 16 00-0184	EA		2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	59.68	21.26
			For ASTM 120, Deduct	-4.17	
			For Work In Restricted Working Space, Add	9.56	
			For Schedule 80 Nipples, Add	31.73	
22 11 16 00-0185	EA		3" x Close, Schedule 40 Galvanized Steel Nipple	71.88	25.68
			For ASTM 120, Deduct	-5.00	
			For Work In Restricted Working Space, Add	11.56	
			For Schedule 80 Nipples, Add	38.02	
22 11 16 00-0186	EA		4" x Close, Schedule 40 Galvanized Steel Nipple	94.71	29.85
			For ASTM 120, Deduct	-7.50	
			For Work In Restricted Working Space, Add	13.42	
			For Schedule 80 Nipples, Add	56.98	
22 11 16 00-0187	EA		3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.65	11.34
			For ASTM 120, Deduct	-0.54	
			For Work In Restricted Working Space, Add	5.12	
			For Schedule 80 Nipples, Add	4.09	
22 11 16 00-0188	EA		1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.72	11.34
			For ASTM 120, Deduct	-0.40	
			For Work In Restricted Working Space, Add	5.12	
			For Schedule 80 Nipples, Add	3.03	
22 11 16 00-0189	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.40	11.34
			For ASTM 120, Deduct	-0.50	
			For Work In Restricted Working Space, Add	5.12	
			For Schedule 80 Nipples, Add	3.81	
22 11 16 00-0190	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple	20.65	11.34
			For ASTM 120, Deduct	-0.54	
			For Work In Restricted Working Space, Add	5.12	
			For Schedule 80 Nipples, Add	4.09	
22 11 16 00-0191	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	19.72	11.34
			For ASTM 120, Deduct	-0.40	
			For Work In Restricted Working Space, Add	5.12	
			For Schedule 80 Nipples, Add	3.03	
22 11 16 00-0192	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	20.40	11.34
			For ASTM 120, Deduct	-0.50	
			For Work In Restricted Working Space, Add	5.12	
			For Schedule 80 Nipples, Add	3.81	
22 11 16 00-0193	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple	23.35	12.30
			For ASTM 120, Deduct	-0.75	
			For Work In Restricted Working Space, Add	5.51	
			For Schedule 80 Nipples, Add	5.67	
22 11 16 00-0194	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	25.97	13.26
			For ASTM 120, Deduct	-0.91	
			For Work In Restricted Working Space, Add	5.97	
			For Schedule 80 Nipples, Add	6.91	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 11 16 00-0195	EA	1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	27.03		13.26
		For ASTM 120, Deduct	-1.07		
		For Work In Restricted Working Space, Add	5.97		
		For Schedule 80 Nipples, Add	8.12		
22 11 16 00-0196	EA	3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.84		11.34
		For ASTM 120, Deduct	-0.72		
		For Work In Restricted Working Space, Add	5.12		
		For Schedule 80 Nipples, Add	5.45		
22 11 16 00-0197	EA	1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.19		11.34
		For ASTM 120, Deduct	-0.47		
		For Work In Restricted Working Space, Add	5.12		
		For Schedule 80 Nipples, Add	3.57		
22 11 16 00-0198	EA	3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.76		11.34
		For ASTM 120, Deduct	-0.56		
		For Work In Restricted Working Space, Add	5.12		
		For Schedule 80 Nipples, Add	4.22		
22 11 16 00-0199	EA	1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.76		12.30
		For ASTM 120, Deduct	-0.81		
		For Work In Restricted Working Space, Add	5.51		
		For Schedule 80 Nipples, Add	6.13		
22 11 16 00-0200	EA	1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.57		13.26
		For ASTM 120, Deduct	-1.00		
		For Work In Restricted Working Space, Add	5.97		
		For Schedule 80 Nipples, Add	7.59		
22 11 16 00-0201	EA	1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.85		13.26
		For ASTM 120, Deduct	-1.19		
		For Work In Restricted Working Space, Add	5.97		
		For Schedule 80 Nipples, Add	9.05		
22 11 16 00-0202	EA	2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	36.21		17.08
		For ASTM 120, Deduct	-1.58		
		For Work In Restricted Working Space, Add	7.71		
		For Schedule 80 Nipples, Add	11.99		
22 11 16 00-0203	EA	3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple	21.84		11.34
		For ASTM 120, Deduct	-0.72		
		For Work In Restricted Working Space, Add	5.12		
		For Schedule 80 Nipples, Add	5.45		
22 11 16 00-0204	EA	1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	20.19		11.34
		For ASTM 120, Deduct	-0.47		
		For Work In Restricted Working Space, Add	5.12		
		For Schedule 80 Nipples, Add	3.57		
22 11 16 00-0205	EA	3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	20.76		11.34
		For ASTM 120, Deduct	-0.56		
		For Work In Restricted Working Space, Add	5.12		
		For Schedule 80 Nipples, Add	4.22		
22 11 16 00-0206	EA	1" x 3" Long, Schedule 40 Galvanized Steel Nipple	23.76		12.30
		For ASTM 120, Deduct	-0.81		
		For Work In Restricted Working Space, Add	5.51		
		For Schedule 80 Nipples, Add	6.13		
22 11 16 00-0207	EA	1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	26.57		13.26
		For ASTM 120, Deduct	-1.00		
		For Work In Restricted Working Space, Add	5.97		
		For Schedule 80 Nipples, Add	7.59		
22 11 16 00-0208	EA	1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	27.85		13.26
		For ASTM 120, Deduct	-1.19		
		For Work In Restricted Working Space, Add	5.97		
		For Schedule 80 Nipples, Add	9.05		
22 11 16 00-0209	EA	2" x 3" Long, Schedule 40 Galvanized Steel Nipple	36.21		17.08
		For ASTM 120, Deduct	-1.58		
		For Work In Restricted Working Space, Add	7.71		
		For Schedule 80 Nipples, Add	11.99		
22 11 16 00-0210	EA	2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	60.74		21.26
		For ASTM 120, Deduct	-4.33		
		For Work In Restricted Working Space, Add	9.56		
		For Schedule 80 Nipples, Add	32.93		
22 11 16 00-0211	EA	3" x 3" Long, Schedule 40 Galvanized Steel Nipple	76.47		25.68
		For ASTM 120, Deduct	-5.69		
		For Work In Restricted Working Space, Add	11.56		
		For Schedule 80 Nipples, Add	43.25		
22 11 16 00-0212	EA	3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.74		11.34
		For ASTM 120, Deduct	-0.85		
		For Work In Restricted Working Space, Add	5.12		
		For Schedule 80 Nipples, Add	6.48		
22 11 16 00-0213	EA	1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.92		11.34
		For ASTM 120, Deduct	-0.58		
		For Work In Restricted Working Space, Add	5.12		
		For Schedule 80 Nipples, Add	4.40		
22 11 16 00-0214	EA	3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.84		11.34
		For ASTM 120, Deduct	-0.72		
		For Work In Restricted Working Space, Add	5.12		
		For Schedule 80 Nipples, Add	5.45		
22 11 16 00-0215	EA	1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.85		12.30
		For ASTM 120, Deduct	-0.97		
		For Work In Restricted Working Space, Add	5.51		
		For Schedule 80 Nipples, Add	7.38		
22 11 16 00-0216	EA	1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.85		13.26
		For ASTM 120, Deduct	-1.19		
		For Work In Restricted Working Space, Add	5.97		
		For Schedule 80 Nipples, Add	9.05		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0217	EA	1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	29.94	13.26
		For ASTM 120, Deduct	.....	-1.50	
		For Work In Restricted Working Space, Add	.....	5.97	
		For Schedule 80 Nipples, Add	.....	11.43	
22 11 16 00-0218	EA	2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	38.46	17.08
		For ASTM 120, Deduct	.....	-1.92	
		For Work In Restricted Working Space, Add	.....	7.71	
		For Schedule 80 Nipples, Add	.....	14.56	
22 11 16 00-0219	EA	2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	65.39	21.26
		For ASTM 120, Deduct	.....	-5.03	
		For Work In Restricted Working Space, Add	.....	9.56	
		For Schedule 80 Nipples, Add	.....	38.24	
22 11 16 00-0220	EA	3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	83.05	25.68
		For ASTM 120, Deduct	.....	-6.68	
		For Work In Restricted Working Space, Add	.....	11.56	
		For Schedule 80 Nipples, Add	.....	50.75	
22 11 16 00-0221	EA	3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	.....	22.74	11.34
		For ASTM 120, Deduct	.....	-0.85	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	6.48	
22 11 16 00-0222	EA	1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	.....	20.92	11.34
		For ASTM 120, Deduct	.....	-0.58	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	4.40	
22 11 16 00-0223	EA	3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	.....	22.74	11.34
		For ASTM 120, Deduct	.....	-0.85	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	6.48	
22 11 16 00-0224	EA	1" x 4" Long, Schedule 40 Galvanized Steel Nipple	.....	24.85	12.30
		For ASTM 120, Deduct	.....	-0.97	
		For Work In Restricted Working Space, Add	.....	5.51	
		For Schedule 80 Nipples, Add	.....	7.38	
22 11 16 00-0225	EA	1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	.....	27.85	13.26
		For ASTM 120, Deduct	.....	-1.19	
		For Work In Restricted Working Space, Add	.....	5.97	
		For Schedule 80 Nipples, Add	.....	9.05	
22 11 16 00-0226	EA	1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	.....	29.94	13.26
		For ASTM 120, Deduct	.....	-1.50	
		For Work In Restricted Working Space, Add	.....	5.97	
		For Schedule 80 Nipples, Add	.....	11.43	
22 11 16 00-0227	EA	2" x 4" Long, Schedule 40 Galvanized Steel Nipple	.....	38.57	17.08
		For ASTM 120, Deduct	.....	-1.93	
		For Work In Restricted Working Space, Add	.....	7.71	
		For Schedule 80 Nipples, Add	.....	14.68	
22 11 16 00-0228	EA	2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	.....	65.39	21.26
		For ASTM 120, Deduct	.....	-5.03	
		For Work In Restricted Working Space, Add	.....	9.56	
		For Schedule 80 Nipples, Add	.....	38.24	
22 11 16 00-0229	EA	3" x 4" Long, Schedule 40 Galvanized Steel Nipple	.....	83.05	25.68
		For ASTM 120, Deduct	.....	-6.68	
		For Work In Restricted Working Space, Add	.....	11.56	
		For Schedule 80 Nipples, Add	.....	50.75	
22 11 16 00-0230	EA	4" x 4" Long, Schedule 40 Galvanized Steel Nipple	.....	104.49	29.85
		For ASTM 120, Deduct	.....	-8.96	
		For Work In Restricted Working Space, Add	.....	13.42	
		For Schedule 80 Nipples, Add	.....	68.13	
22 11 16 00-0231	EA	3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	24.89	11.34
		For ASTM 120, Deduct	.....	-1.17	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	8.93	
22 11 16 00-0232	EA	1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	21.71	11.34
		For ASTM 120, Deduct	.....	-0.70	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	5.30	
22 11 16 00-0233	EA	3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	22.77	11.34
		For ASTM 120, Deduct	.....	-0.86	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	6.51	
22 11 16 00-0234	EA	1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	26.32	12.30
		For ASTM 120, Deduct	.....	-1.19	
		For Work In Restricted Working Space, Add	.....	5.51	
		For Schedule 80 Nipples, Add	.....	9.05	
22 11 16 00-0235	EA	1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	29.72	13.26
		For ASTM 120, Deduct	.....	-1.47	
		For Work In Restricted Working Space, Add	.....	5.97	
		For Schedule 80 Nipples, Add	.....	11.18	
22 11 16 00-0236	EA	1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	32.03	13.26
		For ASTM 120, Deduct	.....	-1.82	
		For Work In Restricted Working Space, Add	.....	5.97	
		For Schedule 80 Nipples, Add	.....	13.82	
22 11 16 00-0237	EA	2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	42.00	17.08
		For ASTM 120, Deduct	.....	-2.45	
		For Work In Restricted Working Space, Add	.....	7.71	
		For Schedule 80 Nipples, Add	.....	18.59	
22 11 16 00-0238	EA	2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	.....	69.25	21.26
		For ASTM 120, Deduct	.....	-5.61	
		For Work In Restricted Working Space, Add	.....	9.56	
		For Schedule 80 Nipples, Add	.....	42.64	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0239	EA 3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	90.41	25.68
	For ASTM 120, Deduct	-7.78	
	For Work In Restricted Working Space, Add	11.56	
	For Schedule 80 Nipples, Add	59.14	
22 11 16 00-0240	EA 4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	111.75	29.85
	For ASTM 120, Deduct	-10.05	
	For Work In Restricted Working Space, Add	13.42	
	For Schedule 80 Nipples, Add	76.40	
22 11 16 00-0241	EA 3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	24.89	11.34
	For ASTM 120, Deduct	-1.17	
	For Work In Restricted Working Space, Add	5.12	
	For Schedule 80 Nipples, Add	8.93	
22 11 16 00-0242	EA 1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	21.71	11.34
	For ASTM 120, Deduct	-0.70	
	For Work In Restricted Working Space, Add	5.12	
	For Schedule 80 Nipples, Add	5.30	
22 11 16 00-0243	EA 3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	22.77	11.34
	For ASTM 120, Deduct	-0.86	
	For Work In Restricted Working Space, Add	5.12	
	For Schedule 80 Nipples, Add	6.51	
22 11 16 00-0244	EA 1" x 5" Long, Schedule 40 Galvanized Steel Nipple	26.32	12.30
	For ASTM 120, Deduct	-1.19	
	For Work In Restricted Working Space, Add	5.51	
	For Schedule 80 Nipples, Add	9.05	
22 11 16 00-0245	EA 1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	29.72	13.26
	For ASTM 120, Deduct	-1.47	
	For Work In Restricted Working Space, Add	5.97	
	For Schedule 80 Nipples, Add	11.18	
22 11 16 00-0246	EA 1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	32.03	13.26
	For ASTM 120, Deduct	-1.82	
	For Work In Restricted Working Space, Add	5.97	
	For Schedule 80 Nipples, Add	13.82	
22 11 16 00-0247	EA 2" x 5" Long, Schedule 40 Galvanized Steel Nipple	42.00	17.08
	For ASTM 120, Deduct	-2.45	
	For Work In Restricted Working Space, Add	7.71	
	For Schedule 80 Nipples, Add	18.59	
22 11 16 00-0248	EA 2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	69.25	21.26
	For ASTM 120, Deduct	-5.61	
	For Work In Restricted Working Space, Add	9.56	
	For Schedule 80 Nipples, Add	42.64	
22 11 16 00-0249	EA 3" x 5" Long, Schedule 40 Galvanized Steel Nipple	90.41	25.68
	For ASTM 120, Deduct	-7.78	
	For Work In Restricted Working Space, Add	11.56	
	For Schedule 80 Nipples, Add	59.14	
22 11 16 00-0250	EA 4" x 5" Long, Schedule 40 Galvanized Steel Nipple	111.75	29.85
	For ASTM 120, Deduct	-10.05	
	For Work In Restricted Working Space, Add	13.42	
	For Schedule 80 Nipples, Add	76.40	
22 11 16 00-0251	EA 3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	25.76	11.34
	For ASTM 120, Deduct	-1.31	
	For Work In Restricted Working Space, Add	5.12	
	For Schedule 80 Nipples, Add	9.92	
22 11 16 00-0252	EA 1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	22.33	11.34
	For ASTM 120, Deduct	-0.79	
	For Work In Restricted Working Space, Add	5.12	
	For Schedule 80 Nipples, Add	6.01	
22 11 16 00-0253	EA 3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	23.91	11.34
	For ASTM 120, Deduct	-1.03	
	For Work In Restricted Working Space, Add	5.12	
	For Schedule 80 Nipples, Add	7.81	
22 11 16 00-0254	EA 1" x 6" Long, Schedule 40 Galvanized Steel Nipple	27.38	12.30
	For ASTM 120, Deduct	-1.35	
	For Work In Restricted Working Space, Add	5.51	
	For Schedule 80 Nipples, Add	10.26	
22 11 16 00-0255	EA 1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	31.30	13.26
	For ASTM 120, Deduct	-1.71	
	For Work In Restricted Working Space, Add	5.97	
	For Schedule 80 Nipples, Add	12.98	
22 11 16 00-0256	EA 1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	33.55	13.26
	For ASTM 120, Deduct	-2.05	
	For Work In Restricted Working Space, Add	5.97	
	For Schedule 80 Nipples, Add	15.55	
22 11 16 00-0257	EA 2" x 6" Long, Schedule 40 Galvanized Steel Nipple	44.63	17.08
	For ASTM 120, Deduct	-2.84	
	For Work In Restricted Working Space, Add	7.71	
	For Schedule 80 Nipples, Add	21.59	
22 11 16 00-0258	EA 2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	72.94	21.26
	For ASTM 120, Deduct	-6.16	
	For Work In Restricted Working Space, Add	9.56	
	For Schedule 80 Nipples, Add	46.84	
22 11 16 00-0259	EA 3" x 6" Long, Schedule 40 Galvanized Steel Nipple	93.40	25.68
	For ASTM 120, Deduct	-8.23	
	For Work In Restricted Working Space, Add	11.56	
	For Schedule 80 Nipples, Add	62.55	
22 11 16 00-0260	EA 4" x 6" Long, Schedule 40 Galvanized Steel Nipple	118.81	29.85
	For ASTM 120, Deduct	-11.11	
	For Work In Restricted Working Space, Add	13.42	
	For Schedule 80 Nipples, Add	84.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0261	EA	3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	.....	51.82	11.34
		For ASTM 120, Deduct	.....	-5.21	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	39.63	
22 11 16 00-0262	EA	1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	.....	26.35	11.34
		For ASTM 120, Deduct	.....	-1.39	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	10.59	
22 11 16 00-0263	EA	3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	.....	28.94	11.34
		For ASTM 120, Deduct	.....	-1.78	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	13.54	
22 11 16 00-0264	EA	1" x 8" Long, Schedule 40 Galvanized Steel Nipple	.....	33.44	12.30
		For ASTM 120, Deduct	.....	-2.26	
		For Work In Restricted Working Space, Add	.....	5.51	
		For Schedule 80 Nipples, Add	.....	17.17	
22 11 16 00-0265	EA	1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	.....	38.36	13.26
		For ASTM 120, Deduct	.....	-2.77	
		For Work In Restricted Working Space, Add	.....	5.97	
		For Schedule 80 Nipples, Add	.....	21.03	
22 11 16 00-0266	EA	1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	.....	41.08	13.26
		For ASTM 120, Deduct	.....	-3.18	
		For Work In Restricted Working Space, Add	.....	5.97	
		For Schedule 80 Nipples, Add	.....	24.13	
22 11 16 00-0267	EA	2" x 8" Long, Schedule 40 Galvanized Steel Nipple	.....	56.56	17.08
		For ASTM 120, Deduct	.....	-4.63	
		For Work In Restricted Working Space, Add	.....	7.71	
		For Schedule 80 Nipples, Add	.....	35.19	
22 11 16 00-0268	EA	2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	.....	84.74	21.26
		For ASTM 120, Deduct	.....	-7.93	
		For Work In Restricted Working Space, Add	.....	9.56	
		For Schedule 80 Nipples, Add	.....	60.29	
22 11 16 00-0269	EA	3" x 8" Long, Schedule 40 Galvanized Steel Nipple	.....	112.45	25.68
		For ASTM 120, Deduct	.....	-11.09	
		For Work In Restricted Working Space, Add	.....	11.56	
		For Schedule 80 Nipples, Add	.....	84.27	
22 11 16 00-0270	EA	4" x 8" Long, Schedule 40 Galvanized Steel Nipple	.....	133.14	29.85
		For ASTM 120, Deduct	.....	-13.26	
		For Work In Restricted Working Space, Add	.....	13.42	
		For Schedule 80 Nipples, Add	.....	100.79	
22 11 16 00-0271	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	.....	33.64	11.34
		For ASTM 120, Deduct	.....	-2.49	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	18.90	
22 11 16 00-0272	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	.....	28.09	11.34
		For ASTM 120, Deduct	.....	-1.65	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	12.57	
22 11 16 00-0273	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	.....	30.24	11.34
		For ASTM 120, Deduct	.....	-1.98	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	15.03	
22 11 16 00-0274	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple	.....	35.58	12.30
		For ASTM 120, Deduct	.....	-2.58	
		For Work In Restricted Working Space, Add	.....	5.51	
		For Schedule 80 Nipples, Add	.....	19.61	
22 11 16 00-0275	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	.....	41.98	13.26
		For ASTM 120, Deduct	.....	-3.31	
		For Work In Restricted Working Space, Add	.....	5.97	
		For Schedule 80 Nipples, Add	.....	25.16	
22 11 16 00-0276	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	.....	44.59	13.26
		For ASTM 120, Deduct	.....	-3.70	
		For Work In Restricted Working Space, Add	.....	5.97	
		For Schedule 80 Nipples, Add	.....	28.14	
22 11 16 00-0277	EA	2" x 10" Long, Schedule 40 Galvanized Steel Nipple	.....	61.81	17.08
		For ASTM 120, Deduct	.....	-5.42	
		For Work In Restricted Working Space, Add	.....	7.71	
		For Schedule 80 Nipples, Add	.....	41.18	
22 11 16 00-0278	EA	2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	.....	92.13	21.26
		For ASTM 120, Deduct	.....	-9.04	
		For Work In Restricted Working Space, Add	.....	9.56	
		For Schedule 80 Nipples, Add	.....	68.72	
22 11 16 00-0279	EA	3" x 10" Long, Schedule 40 Galvanized Steel Nipple	.....	122.86	25.68
		For ASTM 120, Deduct	.....	-12.65	
		For Work In Restricted Working Space, Add	.....	11.56	
		For Schedule 80 Nipples, Add	.....	96.14	
22 11 16 00-0280	EA	4" x 10" Long, Schedule 40 Galvanized Steel Nipple	.....	147.19	29.85
		For ASTM 120, Deduct	.....	-15.37	
		For Work In Restricted Working Space, Add	.....	13.42	
		For Schedule 80 Nipples, Add	.....	116.80	
22 11 16 00-0281	EA	3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple	.....	35.43	11.34
		For ASTM 120, Deduct	.....	-2.76	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	20.94	
22 11 16 00-0282	EA	1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	.....	29.62	11.34
		For ASTM 120, Deduct	.....	-1.88	
		For Work In Restricted Working Space, Add	.....	5.12	
		For Schedule 80 Nipples, Add	.....	14.32	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
22 11 16 00-0283	EA 3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	31.84		11.34
	For ASTM 120, Deduct	-2.22		
	For Work In Restricted Working Space, Add	5.12		
	For Schedule 80 Nipples, Add	16.85		
22 11 16 00-0284	EA 1" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	38.41		12.30
	For ASTM 120, Deduct	-3.00		
	For Work In Restricted Working Space, Add	5.51		
	For Schedule 80 Nipples, Add	22.83		
22 11 16 00-0285	EA 1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	46.41		13.26
	For ASTM 120, Deduct	-3.98		
	For Work In Restricted Working Space, Add	5.97		
	For Schedule 80 Nipples, Add	30.21		
22 11 16 00-0286	EA 1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	48.15		13.26
	For ASTM 120, Deduct	-4.24		
	For Work In Restricted Working Space, Add	5.97		
	For Schedule 80 Nipples, Add	32.19		
22 11 16 00-0287	EA 2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	67.13		17.08
	For ASTM 120, Deduct	-6.22		
	For Work In Restricted Working Space, Add	7.71		
	For Schedule 80 Nipples, Add	47.24		
22 11 16 00-0288	EA 2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	99.30		21.26
	For ASTM 120, Deduct	-10.12		
	For Work In Restricted Working Space, Add	9.56		
	For Schedule 80 Nipples, Add	76.89		
22 11 16 00-0289	EA 3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	133.35		25.68
	For ASTM 120, Deduct	-14.22		
	For Work In Restricted Working Space, Add	11.56		
	For Schedule 80 Nipples, Add	108.09		
22 11 16 00-0290	EA 4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	161.37		29.85
	For ASTM 120, Deduct	-17.50		
	For Work In Restricted Working Space, Add	13.42		
	For Schedule 80 Nipples, Add	132.97		
22 11 16 00-0291	Galvanized Steel Dielectric Nipples With Polyethylene Liner (22 11 16 00-0013)			
	See CSI section 22 11 16 00-0837 for dielectric unions.			
22 11 16 00-0292	EA 1/2" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	19.58		11.34
	For Work In Restricted Working Space, Add	5.12		
22 11 16 00-0293	EA 1/2" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	19.96		11.34
	For Work In Restricted Working Space, Add	5.12		
22 11 16 00-0294	EA 3/4" Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	20.30		11.34
	For Work In Restricted Working Space, Add	5.12		
22 11 16 00-0295	EA 3/4" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	21.56		11.34
	For Work In Restricted Working Space, Add	5.12		
22 11 16 00-0296	EA 3/4" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	22.87		11.34
	For Work In Restricted Working Space, Add	5.12		
22 11 16 00-0297	EA 3/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.65		11.34
	For Work In Restricted Working Space, Add	5.12		
22 11 16 00-0298	EA 1" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.19		12.30
	For Work In Restricted Working Space, Add	5.52		
22 11 16 00-0299	EA 1" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.60		12.30
	For Work In Restricted Working Space, Add	5.52		
22 11 16 00-0300	EA 1" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	29.91		12.30
	For Work In Restricted Working Space, Add	5.52		
22 11 16 00-0301	EA 1-1/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	32.40		13.26
	For Work In Restricted Working Space, Add	5.99		
22 11 16 00-0302	EA 1-1/2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	35.88		13.26
	For Work In Restricted Working Space, Add	5.99		
22 11 16 00-0303	EA 2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	47.84		17.08
	For Work In Restricted Working Space, Add	7.70		
22 11 16 00-0304	EA 2-1/2" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	57.09		21.26
	For Work In Restricted Working Space, Add	9.57		
22 11 16 00-0305	EA 3" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	89.35		25.68
	For Work In Restricted Working Space, Add	11.57		
22 11 16 00-0306	Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)			
22 11 16 00-0307	EA 1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug	19.94		8.48
	For Work In Restricted Working Space, Add	3.82		
	For 300 Lb. Rating, Add	25.24		
22 11 16 00-0308	EA 3/4", 150 Lb., Galvanized Malleable Iron Square Head Plug	21.46		9.55
	For Work In Restricted Working Space, Add	4.28		
	For 300 Lb. Rating, Add	25.34		
22 11 16 00-0309	EA 1", 150 Lb., Galvanized Malleable Iron Square Head Plug	23.82		10.63
	For Work In Restricted Working Space, Add	4.78		
	For 300 Lb. Rating, Add	27.82		
22 11 16 00-0310	EA 1-1/4", 150 Lb., Galvanized Malleable Iron Square Head Plug	30.17		12.06
	For Work In Restricted Working Space, Add	5.41		
	For 300 Lb. Rating, Add	42.36		
22 11 16 00-0311	EA 1-1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug	36.69		13.50
	For Work In Restricted Working Space, Add	6.10		
	For 300 Lb. Rating, Add	56.84		
22 11 16 00-0312	EA 2", 150 Lb., Galvanized Malleable Iron Square Head Plug	46.62		17.20
	For Work In Restricted Working Space, Add	7.75		
	For 300 Lb. Rating, Add	72.27		
22 11 16 00-0313	EA 2-1/2", 150 Lb., Galvanized Malleable Iron Square Head Plug	78.79		25.44
	For Work In Restricted Working Space, Add	11.47		
	For 300 Lb. Rating, Add	140.23		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0314	EA	3", 150 Lb., Galvanized Malleable Iron Square Head Plug	107.86	33.56	
		For Work In Restricted Working Space, Add	15.09		
		For 300 Lb. Rating, Add	198.72		
22 11 16 00-0315	EA	4", 150 Lb., Galvanized Malleable Iron Square Head Plug	171.67	34.77	
		For Work In Restricted Working Space, Add	15.65		
		For 300 Lb. Rating, Add	409.40		
22 11 16 00-0316	EA	5", 150 Lb., Galvanized Malleable Iron Square Head Plug	273.69	36.34	
		For Work In Restricted Working Space, Add	16.34		
		For 300 Lb. Rating, Add	748.65		
22 11 16 00-0317	EA	6", 150 Lb., Galvanized Malleable Iron Square Head Plug	293.94	37.90	
		For Work In Restricted Working Space, Add	17.08		
		For 300 Lb. Rating, Add	809.25		
22 11 16 00-0318 Galvanized Malleable Iron Bushing (22 11 16 00-0013)					
22 11 16 00-0319	EA	3/4" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	42.89	22.46	
		For Work In Restricted Working Space, Add	10.13		
22 11 16 00-0320	EA	1" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	46.77	23.89	
		For Work In Restricted Working Space, Add	10.75		
22 11 16 00-0321	EA	1" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	48.09	25.20	
		For Work In Restricted Working Space, Add	11.32		
22 11 16 00-0322	EA	1-1/4" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	53.77	25.68	
		For Work In Restricted Working Space, Add	11.54		
22 11 16 00-0323	EA	1-1/4" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	54.28	26.88	
		For Work In Restricted Working Space, Add	12.11		
22 11 16 00-0324	EA	1-1/4" x 1", 150 Lb., Galvanized Malleable Iron Bushing	56.36	28.30	
		For Work In Restricted Working Space, Add	12.73		
22 11 16 00-0325	EA	1-1/2" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	61.57	27.59	
		For Work In Restricted Working Space, Add	12.40		
22 11 16 00-0326	EA	1-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	63.47	28.79	
		For Work In Restricted Working Space, Add	12.97		
22 11 16 00-0327	EA	1-1/2" x 1", 150 Lb., Galvanized Malleable Iron Bushing	63.56	30.22	
		For Work In Restricted Working Space, Add	13.60		
22 11 16 00-0328	EA	1-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	64.77	32.01	
		For Work In Restricted Working Space, Add	14.38		
22 11 16 00-0329	EA	2" x 1/2", 150 Lb., Galvanized Malleable Iron Bushing	73.48	32.13	
		For Work In Restricted Working Space, Add	14.46		
22 11 16 00-0330	EA	2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	73.62	33.44	
		For Work In Restricted Working Space, Add	15.03		
22 11 16 00-0331	EA	2" x 1", 150 Lb., Galvanized Malleable Iron Bushing	74.41	34.76	
		For Work In Restricted Working Space, Add	15.65		
22 11 16 00-0332	EA	2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	77.04	36.55	
		For Work In Restricted Working Space, Add	16.44		
22 11 16 00-0333	EA	2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	77.19	38.46	
		For Work In Restricted Working Space, Add	17.31		
22 11 16 00-0334	EA	2-1/2" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	102.17	43.72	
		For Work In Restricted Working Space, Add	19.68		
22 11 16 00-0335	EA	2-1/2" x 1", 150 Lb., Galvanized Malleable Iron Bushing	104.24	45.15	
		For Work In Restricted Working Space, Add	20.30		
22 11 16 00-0336	EA	2-1/2" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	106.88	46.82	
		For Work In Restricted Working Space, Add	21.10		
22 11 16 00-0337	EA	2-1/2" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	109.09	48.85	
		For Work In Restricted Working Space, Add	21.96		
22 11 16 00-0338	EA	2-1/2" x 2", 150 Lb., Galvanized Malleable Iron Bushing	111.86	53.39	
		For Work In Restricted Working Space, Add	24.02		
22 11 16 00-0339	EA	3" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	128.96	53.75	
		For Work In Restricted Working Space, Add	24.21		
22 11 16 00-0340	EA	3" x 1", 150 Lb., Galvanized Malleable Iron Bushing	131.03	55.18	
		For Work In Restricted Working Space, Add	24.83		
22 11 16 00-0341	EA	3" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	133.66	56.97	
		For Work In Restricted Working Space, Add	25.62		
22 11 16 00-0342	EA	3" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	135.60	58.88	
		For Work In Restricted Working Space, Add	26.48		
22 11 16 00-0343	EA	3" x 2", 150 Lb., Galvanized Malleable Iron Bushing	138.04	63.42	
		For Work In Restricted Working Space, Add	28.54		
22 11 16 00-0344	EA	3" x 2-1/2", 150 Lb., Galvanized Malleable Iron Bushing	156.03	73.81	
		For Work In Restricted Working Space, Add	33.19		
22 11 16 00-0345	EA	4" x 3/4", 150 Lb., Galvanized Malleable Iron Bushing	183.08	54.57	
		For Work In Restricted Working Space, Add	24.58		
22 11 16 00-0346	EA	4" x 1", 150 Lb., Galvanized Malleable Iron Bushing	185.02	55.91	
		For Work In Restricted Working Space, Add	25.16		
22 11 16 00-0347	EA	4" x 1-1/4", 150 Lb., Galvanized Malleable Iron Bushing	187.48	57.58	
		For Work In Restricted Working Space, Add	25.90		
22 11 16 00-0348	EA	4" x 1-1/2", 150 Lb., Galvanized Malleable Iron Bushing	190.18	59.38	
		For Work In Restricted Working Space, Add	26.71		
22 11 16 00-0349	EA	4" x 2", 150 Lb., Galvanized Malleable Iron Bushing	184.69	63.63	
		For Work In Restricted Working Space, Add	28.64		
22 11 16 00-0350	EA	4" x 2-1/2", 150 Lb., Galvanized Malleable Iron Bushing	211.11	73.35	
		For Work In Restricted Working Space, Add	32.99		
22 11 16 00-0351	EA	4" x 3", 150 Lb., Galvanized Malleable Iron Bushing	218.55	82.74	
		For Work In Restricted Working Space, Add	37.22		
22 11 16 00-0352 Galvanized Malleable Iron Floor Flange (22 11 16 00-0013)					
Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.					
22 11 16 00-0353	EA	1/2", 150 Lb., Galvanized Malleable Iron Floor Flange	73.68	43.65	
22 11 16 00-0354	EA	3/4", 150 Lb., Galvanized Malleable Iron Floor Flange	80.55	47.77	
22 11 16 00-0355	EA	1", 150 Lb., Galvanized Malleable Iron Floor Flange	92.51	53.98	

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MINOR
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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0356	EA	1-1/4", 150 Lb., Galvanized Malleable Iron Floor Flange	96.15	55.90
22 11 16 00-0357	EA	1-1/2", 150 Lb., Galvanized Malleable Iron Floor Flange	104.65	60.80
22 11 16 00-0358	EA	2", 150 Lb., Galvanized Malleable Iron Floor Flange	112.71	63.42

22 11 16 00-0359 Galvanized Cast Iron Flanges (22 11 16 00-0013)

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0360	EA	3/4", 125 Lb., Galvanized Cast Iron Flange	140.94	47.77
		For Work In Restricted Working Space, Add	21.50	
22 11 16 00-0361	EA	1", 125 Lb., Galvanized Cast Iron Flange	134.61	53.98
		For Work In Restricted Working Space, Add	24.29	
22 11 16 00-0362	EA	1-1/4", 125 Lb., Galvanized Cast Iron Flange	112.16	55.90
		For Work In Restricted Working Space, Add	25.14	
22 11 16 00-0363	EA	1-1/2", 125 Lb., Galvanized Cast Iron Flange	133.04	60.80
		For Work In Restricted Working Space, Add	27.35	
22 11 16 00-0364	EA	2", 125 Lb., Galvanized Cast Iron Flange	150.56	63.42
		For Work In Restricted Working Space, Add	28.55	
22 11 16 00-0365	EA	2-1/2", 125 Lb., Galvanized Cast Iron Flange	174.87	73.46
		For Work In Restricted Working Space, Add	33.02	
22 11 16 00-0366	EA	3", 125 Lb., Galvanized Cast Iron Flange	314.68	93.17
		For Work In Restricted Working Space, Add	41.90	
22 11 16 00-0367	EA	4", 125 Lb., Galvanized Cast Iron Flange	417.23	119.31
		For Work In Restricted Working Space, Add	53.66	
22 11 16 00-0368	EA	5", 125 Lb., Galvanized Cast Iron Flange	587.15	142.01
		For Work In Restricted Working Space, Add	63.88	
22 11 16 00-0369	EA	6", 125 Lb., Galvanized Cast Iron Flange	644.59	163.15
		For Work In Restricted Working Space, Add	73.38	
22 11 16 00-0370	EA	8", 125 Lb., Galvanized Cast Iron Flange	592.27	186.46
		For Work In Restricted Working Space, Add	83.86	

22 11 16 00-0371 Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013)

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0372	EA	1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	38.92	
		For Work In Restricted Working Space, Add	11.68	
22 11 16 00-0373	EA	3/4", Cut And Thread Existing In Place Galvanized Steel Pipe	42.81	
		For Work In Restricted Working Space, Add	12.84	
22 11 16 00-0374	EA	1", Cut And Thread Existing In Place Galvanized Steel Pipe	46.70	
		For Work In Restricted Working Space, Add	14.01	
22 11 16 00-0375	EA	1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe	50.59	
		For Work In Restricted Working Space, Add	15.18	
22 11 16 00-0376	EA	1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	53.18	
		For Work In Restricted Working Space, Add	15.95	
22 11 16 00-0377	EA	2", Cut And Thread Existing In Place Galvanized Steel Pipe	55.78	
		For Work In Restricted Working Space, Add	16.73	
22 11 16 00-0378	EA	2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	58.38	
		For Work In Restricted Working Space, Add	17.51	
22 11 16 00-0379	EA	3", Cut And Thread Existing In Place Galvanized Steel Pipe	60.96	
		For Work In Restricted Working Space, Add	18.29	
22 11 16 00-0380	EA	4", Cut And Thread Existing In Place Galvanized Steel Pipe	63.56	
		For Work In Restricted Working Space, Add	19.07	
22 11 16 00-0381	EA	6", Cut And Thread Existing In Place Galvanized Steel Pipe	68.75	
		For Work In Restricted Working Space, Add	20.63	
22 11 16 00-0382	EA	8", Cut And Thread Existing In Place Galvanized Steel Pipe	73.93	
		For Work In Restricted Working Space, Add	22.18	

22 11 16 00-0383 Copper Pipe And Fittings (22 11 16)

Note: Excludes hangers. See CSI section 22 11 16 00-0914 for pipe with fittings assembly.

22 11 16 00-0384 Copper Tube/Pipe (22 11 16 00-0383)

Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).

22 11 16 00-0385 Hard Drawn Type L Copper Tube/Pipe (22 11 16 00-0384)

22 11 16 00-0386	LF	1/4" Hard Drawn Type L Copper Tube/Pipe	6.27	2.92
		For Up To 20, Add	0.67	
		For >200, Deduct	-0.19	
		For Work In Restricted Working Space, Add	1.31	
		For Medical/Oxygen Service Tubing, Add	0.15	
22 11 16 00-0387	LF	3/8" Hard Drawn Type L Copper Tube/Pipe	7.33	3.04
		For Up To 20, Add	0.80	
		For >200, Deduct	-0.28	
		For Work In Restricted Working Space, Add	1.37	
		For Medical/Oxygen Service Tubing, Add	0.22	
22 11 16 00-0388	LF	1/2" Hard Drawn Type L Copper Tube/Pipe	8.05	3.17
		For Up To 20, Add	0.89	
		For >200, Deduct	-0.33	
		For Work In Restricted Working Space, Add	1.43	
		For Medical/Oxygen Service Tubing, Add	0.26	
22 11 16 00-0389	LF	3/4" Hard Drawn Type L Copper Tube/Pipe	10.40	3.36
		For Up To 20, Add	1.17	
		For >200, Deduct	-0.54	
		For Work In Restricted Working Space, Add	1.51	
		For Medical/Oxygen Service Tubing, Add	0.43	
22 11 16 00-0390	LF	1" Hard Drawn Type L Copper Tube/Pipe	13.42	3.77
		For Up To 20, Add	1.54	
		For >200, Deduct	-0.78	
		For Work In Restricted Working Space, Add	1.70	
		For Medical/Oxygen Service Tubing, Add	0.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0391	LF		1-1/4" Hard Drawn Type L Copper Tube/Pipe	19.10	5.61
			For Up To 20, Add	2.18	
			For >200, Deduct	-1.07	
			For Work In Restricted Working Space, Add	2.52	
			For Medical/Oxygen Service Tubing, Add	0.86	
22 11 16 00-0392	LF		1-1/2" Hard Drawn Type L Copper Tube/Pipe	23.15	6.27
			For Up To 20, Add	2.66	
			For >200, Deduct	-1.38	
			For Work In Restricted Working Space, Add	2.82	
			For Medical/Oxygen Service Tubing, Add	1.10	
22 11 16 00-0393	LF		2" Hard Drawn Type L Copper Tube/Pipe	33.35	7.73
			For Up To 20, Add	3.88	
			For >200, Deduct	-2.18	
			For Work In Restricted Working Space, Add	3.47	
			For Medical/Oxygen Service Tubing, Add	1.74	
22 11 16 00-0394	LF		2-1/2" Hard Drawn Type L Copper Tube/Pipe	58.76	9.09
			For Up To 20, Add	6.66	
			For >200, Deduct	-3.15	
			For Work In Restricted Working Space, Add	8.19	
			For Medical/Oxygen Service Tubing, Add	2.52	
22 11 16 00-0395	LF		3" Hard Drawn Type L Copper Tube/Pipe	74.06	10.71
			For Up To 20, Add	8.45	
			For >200, Deduct	-4.20	
			For Work In Restricted Working Space, Add	9.63	
			For Medical/Oxygen Service Tubing, Add	3.36	
22 11 16 00-0396	LF		4" Hard Drawn Type L Copper Tube/Pipe	111.00	12.09
			For Up To 20, Add	12.97	
			For >200, Deduct	-7.48	
			For Work In Restricted Working Space, Add	10.87	
			For Medical/Oxygen Service Tubing, Add	5.98	
22 11 16 00-0397	LF		5" Hard Drawn Type L Copper Tube/Pipe	173.67	13.88
			For Up To 20, Add	20.67	
			For >200, Deduct	-13.20	
			For Work In Restricted Working Space, Add	12.49	
			For Medical/Oxygen Service Tubing, Add	10.56	
22 11 16 00-0398	LF		6" Hard Drawn Type L Copper Tube/Pipe	238.22	21.51
			For Up To 20, Add	28.17	
			For >200, Deduct	-17.37	
			For Work In Restricted Working Space, Add	19.35	
			For Medical/Oxygen Service Tubing, Add	13.90	
22 11 16 00-0399	LF		8" Hard Drawn Type L Copper Tube/Pipe	399.10	23.92
			For Up To 20, Add	48.10	
			For >200, Deduct	-32.74	
			For Work In Restricted Working Space, Add	21.51	
			For Medical/Oxygen Service Tubing, Add	26.19	
22 11 16 00-0400 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0384)					
22 11 16 00-0401	LF		1/4" Hard Drawn Type K Copper Tube/Pipe	6.83	3.14
			For Up To 20, Add	0.74	
			For >200, Deduct	-0.21	
			For Work In Restricted Working Space, Add	1.41	
			For Medical/Oxygen Service Tubing, Add	0.17	
22 11 16 00-0402	LF		3/8" Hard Drawn Type K Copper Tube/Pipe	9.19	3.27
			For Up To 20, Add	1.01	
			For >200, Deduct	-0.38	
			For Work In Restricted Working Space, Add	1.61	
			For Medical/Oxygen Service Tubing, Add	0.31	
22 11 16 00-0403	LF		1/2" Hard Drawn Type K Copper Tube/Pipe	9.73	3.40
			For Up To 20, Add	1.09	
			For >200, Deduct	-0.45	
			For Work In Restricted Working Space, Add	1.57	
			For Medical/Oxygen Service Tubing, Add	0.36	
22 11 16 00-0404	LF		3/4" Hard Drawn Type K Copper Tube/Pipe	14.16	3.60
			For Up To 20, Add	1.62	
			For >200, Deduct	-0.81	
			For Work In Restricted Working Space, Add	1.82	
			For Medical/Oxygen Service Tubing, Add	0.65	
22 11 16 00-0405	LF		1" Hard Drawn Type K Copper Tube/Pipe	17.21	4.06
			For Up To 20, Add	1.99	
			For >200, Deduct	-1.08	
			For Work In Restricted Working Space, Add	1.94	
			For Medical/Oxygen Service Tubing, Add	0.86	
22 11 16 00-0406	LF		1-1/4" Hard Drawn Type K Copper Tube/Pipe	22.54	6.04
			For Up To 20, Add	2.59	
			For >200, Deduct	-1.34	
			For Work In Restricted Working Space, Add	2.75	
			For Medical/Oxygen Service Tubing, Add	1.07	
22 11 16 00-0407	LF		1-1/2" Hard Drawn Type K Copper Tube/Pipe	27.44	6.73
			For Up To 20, Add	3.17	
			For >200, Deduct	-1.72	
			For Work In Restricted Working Space, Add	3.09	
			For Medical/Oxygen Service Tubing, Add	1.37	
22 11 16 00-0408	LF		2" Hard Drawn Type K Copper Tube/Pipe	38.97	8.31
			For Up To 20, Add	4.56	
			For >200, Deduct	-2.64	
			For Work In Restricted Working Space, Add	3.78	
			For Medical/Oxygen Service Tubing, Add	2.11	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 11 16 00-0409	LF	2-1/2" Hard Drawn Type K Copper Tube/Pipe	66.70	9.77	
		For Up To 20, Add	7.65		
		For >200, Deduct	-3.93		
		For Work In Restricted Working Space, Add	8.23		
		For Medical/Oxygen Service Tubing, Add	3.14		
22 11 16 00-0410	LF	3" Hard Drawn Type K Copper Tube/Pipe	89.02	11.52	
		For Up To 20, Add	10.24		
		For >200, Deduct	-5.37		
		For Work In Restricted Working Space, Add	10.60		
		For Medical/Oxygen Service Tubing, Add	4.29		
22 11 16 00-0411	LF	4" Hard Drawn Type K Copper Tube/Pipe	135.73	12.99	
		For Up To 20, Add	15.97		
		For >200, Deduct	-9.57		
		For Work In Restricted Working Space, Add	12.01		
		For Medical/Oxygen Service Tubing, Add	7.66		
22 11 16 00-0412	LF	5" Hard Drawn Type K Copper Tube/Pipe	222.61	14.92	
		For Up To 20, Add	26.64		
		For >200, Deduct	-17.53		
		For Work In Restricted Working Space, Add	14.18		
		For Medical/Oxygen Service Tubing, Add	14.03		
22 11 16 00-0413	LF	6" Hard Drawn Type K Copper Tube/Pipe	327.79	23.12	
		For Up To 20, Add	39.07		
		For >200, Deduct	-25.16		
		For Work In Restricted Working Space, Add	22.86		
		For Medical/Oxygen Service Tubing, Add	20.13		
22 11 16 00-0414	LF	8" Hard Drawn Type K Copper Tube/Pipe	555.07	25.71	
		For Up To 20, Add	67.28		
		For >200, Deduct	-47.11		
		For Work In Restricted Working Space, Add	25.19		
		For Medical/Oxygen Service Tubing, Add	37.69		
22 11 16 00-0415 Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0384)					
22 11 16 00-0416	LF	3/8" Hard Drawn Type M Copper Tube/Pipe	6.11	2.74	
		For Up To 20, Add	0.67		
		For >200, Deduct	-0.22		
		For Work In Restricted Working Space, Add	1.19		
22 11 16 00-0417	LF	1/2" Hard Drawn Type M Copper Tube/Pipe	6.50	2.86	
		For Up To 20, Add	0.71		
		For >200, Deduct	-0.24		
		For Work In Restricted Working Space, Add	1.22		
22 11 16 00-0418	LF	3/4" Hard Drawn Type M Copper Tube/Pipe	8.27	3.02	
		For Up To 20, Add	0.93		
		For >200, Deduct	-0.39		
		For Work In Restricted Working Space, Add	1.30		
22 11 16 00-0419	LF	1" Hard Drawn Type M Copper Tube/Pipe	10.90	3.40	
		For Up To 20, Add	1.24		
		For >200, Deduct	-0.61		
		For Work In Restricted Working Space, Add	1.45		
22 11 16 00-0420	LF	1-1/4" Hard Drawn Type M Copper Tube/Pipe	16.29	5.06	
		For Up To 20, Add	1.85		
		For >200, Deduct	-0.88		
		For Work In Restricted Working Space, Add	2.24		
22 11 16 00-0421	LF	1-1/2" Hard Drawn Type M Copper Tube/Pipe	20.73	5.64	
		For Up To 20, Add	2.38		
		For >200, Deduct	-1.22		
		For Work In Restricted Working Space, Add	2.57		
22 11 16 00-0422	LF	2" Hard Drawn Type M Copper Tube/Pipe	29.77	6.95	
		For Up To 20, Add	3.46		
		For >200, Deduct	-1.92		
		For Work In Restricted Working Space, Add	3.19		
22 11 16 00-0423	LF	2-1/2" Hard Drawn Type M Copper Tube/Pipe	53.59	8.18	
		For Up To 20, Add	6.05		
		For >200, Deduct	-2.78		
		For Work In Restricted Working Space, Add	7.74		
22 11 16 00-0424	LF	3" Hard Drawn Type M Copper Tube/Pipe	65.94	9.64	
		For Up To 20, Add	7.52		
		For >200, Deduct	-3.70		
		For Work In Restricted Working Space, Add	8.69		
22 11 16 00-0425	LF	4" Hard Drawn Type M Copper Tube/Pipe	103.02	10.88	
		For Up To 20, Add	12.03		
		For >200, Deduct	-6.92		
		For Work In Restricted Working Space, Add	10.14		
22 11 16 00-0426	LF	5" Hard Drawn Type M Copper Tube/Pipe	173.39	12.49	
		For Up To 20, Add	20.70		
		For >200, Deduct	-13.44		
		For Work In Restricted Working Space, Add	11.71		
22 11 16 00-0427	LF	6" Hard Drawn Type M Copper Tube/Pipe	239.95	19.36	
		For Up To 20, Add	28.48		
		For >200, Deduct	-17.95		
		For Work In Restricted Working Space, Add	18.14		
22 11 16 00-0428	LF	8" Hard Drawn Type M Copper Tube/Pipe	406.63	21.52	
		For Up To 20, Add	49.17		
		For >200, Deduct	-34.01		
		For Work In Restricted Working Space, Add	19.95		

22 11 16 00-0429 Soft Drawn Type L Copper Tube (22 11 16 00-0384)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0430	LF	1/4"	Soft Drawn Type L Copper Tube	6.81	2.92
			For Up To 20, Add	0.74	
			For >200, Deduct	-0.24	
			For Work In Restricted Working Space, Add	1.31	
22 11 16 00-0431	LF	3/8"	Soft Drawn Type L Copper Tube	8.35	3.04
			For Up To 20, Add	0.93	
			For >200, Deduct	-0.38	
			For Work In Restricted Working Space, Add	1.37	
22 11 16 00-0432	LF	1/2"	Soft Drawn Type L Copper Tube	9.84	3.17
			For Up To 20, Add	1.11	
			For >200, Deduct	-0.51	
			For Work In Restricted Working Space, Add	1.43	
22 11 16 00-0433	LF	5/8"	Soft Drawn Type L Copper Tube	11.43	3.27
			For Up To 20, Add	1.31	
			For >200, Deduct	-0.65	
			For Work In Restricted Working Space, Add	1.47	
22 11 16 00-0434	LF	3/4"	Soft Drawn Type L Copper Tube	12.83	3.36
			For Up To 20, Add	1.48	
			For >200, Deduct	-0.78	
			For Work In Restricted Working Space, Add	1.51	
22 11 16 00-0435	LF	1"	Soft Drawn Type L Copper Tube	16.45	3.77
			For Up To 20, Add	1.91	
			For >200, Deduct	-1.08	
			For Work In Restricted Working Space, Add	1.70	
22 11 16 00-0436	LF	1-1/4"	Soft Drawn Type L Copper Tube	22.61	5.61
			For Up To 20, Add	2.62	
			For >200, Deduct	-1.42	
			For Work In Restricted Working Space, Add	2.52	
22 11 16 00-0437	LF	1-1/2"	Soft Drawn Type L Copper Tube	28.64	6.27
			For Up To 20, Add	3.35	
			For >200, Deduct	-1.93	
			For Work In Restricted Working Space, Add	2.82	
22 11 16 00-0438	LF	2"	Soft Drawn Type L Copper Tube	42.19	7.73
			For Up To 20, Add	4.98	
			For >200, Deduct	-3.06	
			For Work In Restricted Working Space, Add	3.47	
22 11 16 00-0439 Soft Drawn Type K Copper Tube (22 11 16 00-0384)					
22 11 16 00-0440	LF	1/4"	Soft Drawn Type K Copper Tube	7.06	2.92
			For Up To 20, Add	0.77	
			For >200, Deduct	-0.27	
			For Work In Restricted Working Space, Add	1.31	
22 11 16 00-0441	LF	3/8"	Soft Drawn Type K Copper Tube	9.14	3.04
			For Up To 20, Add	1.03	
			For >200, Deduct	-0.46	
			For Work In Restricted Working Space, Add	1.37	
22 11 16 00-0442	LF	1/2"	Soft Drawn Type K Copper Tube	10.49	3.17
			For Up To 20, Add	1.19	
			For >200, Deduct	-0.57	
			For Work In Restricted Working Space, Add	1.43	
22 11 16 00-0443	LF	5/8"	Soft Drawn Type K Copper Tube	11.75	3.27
			For Up To 20, Add	1.35	
			For >200, Deduct	-0.69	
			For Work In Restricted Working Space, Add	1.47	
22 11 16 00-0444	LF	3/4"	Soft Drawn Type K Copper Tube	15.67	3.36
			For Up To 20, Add	1.83	
			For >200, Deduct	-1.06	
			For Work In Restricted Working Space, Add	1.51	
22 11 16 00-0445	LF	1"	Soft Drawn Type K Copper Tube	19.77	3.77
			For Up To 20, Add	2.33	
			For >200, Deduct	-1.41	
			For Work In Restricted Working Space, Add	1.70	
22 11 16 00-0446	LF	1-1/4"	Soft Drawn Type K Copper Tube	25.04	5.61
			For Up To 20, Add	2.92	
			For >200, Deduct	-1.66	
			For Work In Restricted Working Space, Add	2.52	
22 11 16 00-0447	LF	1-1/2"	Soft Drawn Type K Copper Tube	32.50	6.27
			For Up To 20, Add	3.83	
			For >200, Deduct	-2.31	
			For Work In Restricted Working Space, Add	2.82	
22 11 16 00-0448	LF	2"	Soft Drawn Type K Copper Tube	47.50	7.73
			For Up To 20, Add	5.65	
			For >200, Deduct	-3.59	
			For Work In Restricted Working Space, Add	3.47	
22 11 16 00-0449	LF	2-1/2"	Soft Drawn Type K Copper Tube	67.77	9.28
			For Up To 20, Add	8.12	
			For >200, Deduct	-5.39	
			For Work In Restricted Working Space, Add	4.17	
22 11 16 00-0450	LF	3"	Soft Drawn Type K Copper Tube	91.35	10.94
			For Up To 20, Add	11.01	
			For >200, Deduct	-7.50	
			For Work In Restricted Working Space, Add	4.92	
22 11 16 00-0451 Copper And Brass Fittings (22 11 16 00-0383)					
Note: All fittings are based on 95/5 solder.					
22 11 16 00-0452 90 Degree Copper Elbows (22 11 16 00-0451)					

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0453	EA 1/4" 90 Degree Copper Elbow	29.09	17.31
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.75	
	For Brazed Fittings Instead Of 95/5 Solder, Add	3.89	
	For Street Fitting, Add	1.26	
	For Work In Restricted Working Space, Add	7.79	
	For Silver Solder Instead Of 95/5 Solder, Add	4.05	
22 11 16 00-0454	EA 3/8" 90 Degree Copper Elbow	34.45	20.76
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.28	
	For Brazed Fittings Instead Of 95/5 Solder, Add	4.67	
	For Street Fitting, Add	1.33	
	For Work In Restricted Working Space, Add	9.34	
	For Silver Solder Instead Of 95/5 Solder, Add	4.84	
22 11 16 00-0455	EA 1/2" 90 Degree Copper Elbow	43.89	28.53
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.34	
	For Brazed Fittings Instead Of 95/5 Solder, Add	6.42	
	For Street Fitting, Add	0.43	
	For Work In Restricted Working Space, Add	12.84	
	For Silver Solder Instead Of 95/5 Solder, Add	6.48	
22 11 16 00-0456	EA 3/4" 90 Degree Copper Elbow	55.60	35.55
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.44	
	For Brazed Fittings Instead Of 95/5 Solder, Add	7.98	
	For Street Fitting, Add	0.97	
	For Work In Restricted Working Space, Add	15.95	
	For Silver Solder Instead Of 95/5 Solder, Add	8.10	
22 11 16 00-0457	EA 1" 90 Degree Copper Elbow	69.48	42.42
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.65	
	For Brazed Fittings Instead Of 95/5 Solder, Add	9.53	
	For Street Fitting, Add	2.37	
	For Work In Restricted Working Space, Add	19.07	
	For Silver Solder Instead Of 95/5 Solder, Add	9.83	
22 11 16 00-0458	EA 1-1/4" 90 Degree Copper Elbow	77.60	45.92
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.32	
	For Brazed Fittings Instead Of 95/5 Solder, Add	10.31	
	For Street Fitting, Add	3.54	
	For Work In Restricted Working Space, Add	20.63	
	For Silver Solder Instead Of 95/5 Solder, Add	10.76	
22 11 16 00-0459	EA 1-1/2" 90 Degree Copper Elbow	89.08	50.20
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.22	
	For Brazed Fittings Instead Of 95/5 Solder, Add	11.29	
	For Street Fitting, Add	5.54	
	For Work In Restricted Working Space, Add	22.57	
	For Silver Solder Instead Of 95/5 Solder, Add	11.98	
22 11 16 00-0460	EA 2" 90 Degree Copper Elbow	109.54	56.29
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.69	
	For Brazed Fittings Instead Of 95/5 Solder, Add	12.65	
	For Street Fitting, Add	10.09	
	For Work In Restricted Working Space, Add	25.29	
	For Silver Solder Instead Of 95/5 Solder, Add	13.91	
22 11 16 00-0461	EA 2-1/2" 90 Degree Copper Elbow	134.90	57.33
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.05	
	For Brazed Fittings Instead Of 95/5 Solder, Add	12.90	
	For Work In Restricted Working Space, Add	25.80	
	For Silver Solder Instead Of 95/5 Solder, Add	15.35	
22 11 16 00-0462	EA 3" 90 Degree Copper Elbow	171.68	68.56
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.72	
	For Brazed Fittings Instead Of 95/5 Solder, Add	15.41	
	For Work In Restricted Working Space, Add	30.82	
	For Silver Solder Instead Of 95/5 Solder, Add	18.86	
22 11 16 00-0463	EA 4" 90 Degree Copper Elbow	313.03	97.23
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.94	
	For Brazed Fittings Instead Of 95/5 Solder, Add	21.86	
	For Work In Restricted Working Space, Add	43.72	
	For Silver Solder Instead Of 95/5 Solder, Add	30.22	
22 11 16 00-0464	EA 5" 90 Degree Copper Elbow	900.39	133.06
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-54.99	
	For Brazed Fittings Instead Of 95/5 Solder, Add	29.92	
	For Work In Restricted Working Space, Add	59.84	
	For Silver Solder Instead Of 95/5 Solder, Add	64.97	
22 11 16 00-0465	EA 6" 90 Degree Copper Elbow	1,224.63	193.62
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-75.74	
	For Brazed Fittings Instead Of 95/5 Solder, Add	43.54	
	For Work In Restricted Working Space, Add	87.07	
	For Silver Solder Instead Of 95/5 Solder, Add	90.26	
22 11 16 00-0466	EA 8" 90 Degree Copper Elbow	3,843.75	258.12
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-211.54	
	For Brazed Fittings Instead Of 95/5 Solder, Add	58.05	
	For Work In Restricted Working Space, Add	116.10	
	For Silver Solder Instead Of 95/5 Solder, Add	230.89	

22 11 16 00-0467 90 Degree Brass Elbows (22 11 16 00-0451)

22 11 16 00-0468	EA 1/2" Drop Ear 90 Degree Brass Elbow	49.56	28.53
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.62	
	For Brazed Fittings Instead Of 95/5 Solder, Add	6.42	
	For Work In Restricted Working Space, Add	12.84	
	For Silver Solder Instead Of 95/5 Solder, Add	6.76	
22 11 16 00-0469	EA 3/4" Drop Ear 90 Degree Brass Elbow	72.88	35.55
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.30	
	For Brazed Fittings Instead Of 95/5 Solder, Add	7.98	
	For Work In Restricted Working Space, Add	15.95	
	For Silver Solder Instead Of 95/5 Solder, Add	8.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0470	EA		1/2" Flanged Sink 90 Degree Brass Elbow	55.12	28.53
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.90	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.42	
			For Work In Restricted Working Space, Add	12.84	
			For Silver Solder Instead Of 95/5 Solder, Add	7.04	
22 11 16 00-0471	EA		3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	41.23	20.76
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.62	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.67	
			For Work In Restricted Working Space, Add	9.34	
			For Silver Solder Instead Of 95/5 Solder, Add	5.17	
22 11 16 00-0472	EA		1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	50.04	28.53
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.64	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.42	
			For Work In Restricted Working Space, Add	12.84	
			For Silver Solder Instead Of 95/5 Solder, Add	6.78	
22 11 16 00-0473	EA		3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	65.91	35.55
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.95	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.98	
			For Work In Restricted Working Space, Add	15.95	
			For Silver Solder Instead Of 95/5 Solder, Add	8.61	
22 11 16 00-0474	EA		1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	104.21	42.42
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.39	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.53	
			For Work In Restricted Working Space, Add	19.07	
			For Silver Solder Instead Of 95/5 Solder, Add	11.57	
22 11 16 00-0475 Reducing 90 Degree Copper Elbows (22 11 16 00-0451)					
22 11 16 00-0476	EA		1/2" Reducing 90 Degree Copper Elbow	51.54	28.53
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.72	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.42	
			For Work In Restricted Working Space, Add	12.84	
			For Silver Solder Instead Of 95/5 Solder, Add	6.86	
22 11 16 00-0477	EA		3/4" Reducing 90 Degree Copper Elbow	59.37	35.55
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.63	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.98	
			For Work In Restricted Working Space, Add	15.95	
			For Silver Solder Instead Of 95/5 Solder, Add	8.29	
22 11 16 00-0478	EA		1" Reducing 90 Degree Copper Elbow	74.92	42.42
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.92	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.53	
			For Work In Restricted Working Space, Add	19.07	
			For Silver Solder Instead Of 95/5 Solder, Add	10.10	
22 11 16 00-0479	EA		1-1/4" Reducing 90 Degree Copper Elbow	97.68	45.92
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.32	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.31	
			For Work In Restricted Working Space, Add	20.63	
			For Silver Solder Instead Of 95/5 Solder, Add	11.76	
22 11 16 00-0480	EA		1-1/2" Reducing 90 Degree Copper Elbow	113.26	50.20
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.43	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.29	
			For Work In Restricted Working Space, Add	22.57	
			For Silver Solder Instead Of 95/5 Solder, Add	13.19	
22 11 16 00-0481	EA		2" Reducing 90 Degree Copper Elbow	135.48	56.29
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.99	
			For Brazed Fittings Instead Of 95/5 Solder, Add	12.65	
			For Work In Restricted Working Space, Add	25.29	
			For Silver Solder Instead Of 95/5 Solder, Add	15.21	
22 11 16 00-0482 45 Degree Copper Elbows (22 11 16 00-0451)					
22 11 16 00-0483	EA		1/4" 45 Degree Copper Elbow	31.81	17.31
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.89	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.89	
			For Street Fitting, Add	2.34	
			For Work In Restricted Working Space, Add	7.79	
			For Silver Solder Instead Of 95/5 Solder, Add	4.19	
22 11 16 00-0484	EA		3/8" 45 Degree Copper Elbow	36.15	20.76
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.36	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.67	
			For Street Fitting, Add	2.01	
			For Work In Restricted Working Space, Add	9.34	
			For Silver Solder Instead Of 95/5 Solder, Add	4.92	
22 11 16 00-0485	EA		1/2" 45 Degree Copper Elbow	44.78	28.53
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.38	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.42	
			For Street Fitting, Add	0.79	
			For Work In Restricted Working Space, Add	12.84	
			For Silver Solder Instead Of 95/5 Solder, Add	6.52	
22 11 16 00-0486	EA		3/4" 45 Degree Copper Elbow	56.56	35.55
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.49	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.98	
			For Street Fitting, Add	1.35	
			For Work In Restricted Working Space, Add	15.95	
			For Silver Solder Instead Of 95/5 Solder, Add	8.15	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0487	EA 1" 45 Degree Copper Elbow	71.99	42.42
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.78	
	For Brazed Fittings Instead Of 95/5 Solder, Add	9.53	
	For Street Fitting, Add	3.37	
	For Work In Restricted Working Space, Add	19.07	
	For Silver Solder Instead Of 95/5 Solder, Add	9.96	
22 11 16 00-0488	EA 1-1/4" 45 Degree Copper Elbow	80.17	45.92
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.45	
	For Brazed Fittings Instead Of 95/5 Solder, Add	10.31	
	For Street Fitting, Add	4.57	
	For Work In Restricted Working Space, Add	20.63	
	For Silver Solder Instead Of 95/5 Solder, Add	10.88	
22 11 16 00-0489	EA 1-1/2" 45 Degree Copper Elbow	89.26	50.20
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.23	
	For Brazed Fittings Instead Of 95/5 Solder, Add	11.29	
	For Street Fitting, Add	5.61	
	For Work In Restricted Working Space, Add	22.57	
	For Silver Solder Instead Of 95/5 Solder, Add	11.99	
22 11 16 00-0490	EA 2" 45 Degree Copper Elbow	107.68	56.29
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.60	
	For Brazed Fittings Instead Of 95/5 Solder, Add	12.65	
	For Work In Restricted Working Space, Add	25.29	
	For Silver Solder Instead Of 95/5 Solder, Add	13.82	
22 11 16 00-0491	EA 2-1/2" 45 Degree Copper Elbow	134.31	57.33
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.02	
	For Brazed Fittings Instead Of 95/5 Solder, Add	12.90	
	For Work In Restricted Working Space, Add	25.80	
	For Silver Solder Instead Of 95/5 Solder, Add	15.32	
22 11 16 00-0492	EA 3" 45 Degree Copper Elbow	174.40	68.56
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.86	
	For Brazed Fittings Instead Of 95/5 Solder, Add	15.41	
	For Work In Restricted Working Space, Add	30.82	
	For Silver Solder Instead Of 95/5 Solder, Add	18.99	
22 11 16 00-0493	EA 4" 45 Degree Copper Elbow	298.56	97.23
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.21	
	For Brazed Fittings Instead Of 95/5 Solder, Add	21.86	
	For Work In Restricted Working Space, Add	43.72	
	For Silver Solder Instead Of 95/5 Solder, Add	29.50	
22 11 16 00-0494	EA 5" 45 Degree Copper Elbow	791.36	133.06
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-49.54	
	For Brazed Fittings Instead Of 95/5 Solder, Add	29.92	
	For Work In Restricted Working Space, Add	59.84	
	For Silver Solder Instead Of 95/5 Solder, Add	59.51	
22 11 16 00-0495	EA 6" 45 Degree Copper Elbow	1,223.03	193.62
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-75.66	
	For Brazed Fittings Instead Of 95/5 Solder, Add	43.54	
	For Work In Restricted Working Space, Add	87.07	
	For Silver Solder Instead Of 95/5 Solder, Add	90.18	
22 11 16 00-0496	EA 8" 45 Degree Copper Elbow	3,556.58	258.12
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-197.18	
	For Brazed Fittings Instead Of 95/5 Solder, Add	58.05	
	For Work In Restricted Working Space, Add	116.10	
	For Silver Solder Instead Of 95/5 Solder, Add	216.53	

22 11 16 00-0497 Straight Copper And Brass Tees (22 11 16 00-0451)

22 11 16 00-0498	EA 1/4" Straight Copper Tee	45.50	25.95
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.22	
	For Brazed Fittings Instead Of 95/5 Solder, Add	5.84	
	For Work In Restricted Working Space, Add	11.68	
	For Silver Solder Instead Of 95/5 Solder, Add	6.17	
22 11 16 00-0499	EA 3/8" Straight Copper Tee	51.99	31.13
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.93	
	For Brazed Fittings Instead Of 95/5 Solder, Add	7.01	
	For Work In Restricted Working Space, Add	14.01	
	For Silver Solder Instead Of 95/5 Solder, Add	7.27	
22 11 16 00-0500	EA 1/2" Straight Copper Tee	66.71	43.32
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.58	
	For Brazed Fittings Instead Of 95/5 Solder, Add	9.73	
	For Work In Restricted Working Space, Add	19.46	
	For Silver Solder Instead Of 95/5 Solder, Add	9.82	
22 11 16 00-0501	EA 3/4" Straight Copper Tee	84.84	53.71
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.26	
	For Brazed Fittings Instead Of 95/5 Solder, Add	12.06	
	For Work In Restricted Working Space, Add	24.13	
	For Silver Solder Instead Of 95/5 Solder, Add	12.28	
22 11 16 00-0502	EA 1" Straight Copper Tee	109.30	64.08
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.27	
	For Brazed Fittings Instead Of 95/5 Solder, Add	14.40	
	For Work In Restricted Working Space, Add	28.80	
	For Silver Solder Instead Of 95/5 Solder, Add	15.07	
22 11 16 00-0503	EA 1-1/4" Straight Copper Tee	122.30	69.27
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.30	
	For Brazed Fittings Instead Of 95/5 Solder, Add	15.57	
	For Work In Restricted Working Space, Add	31.13	
	For Silver Solder Instead Of 95/5 Solder, Add	16.49	
22 11 16 00-0504	EA 1-1/2" Straight Copper Tee	140.89	75.24
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.69	
	For Brazed Fittings Instead Of 95/5 Solder, Add	16.93	
	For Work In Restricted Working Space, Add	33.86	
	For Silver Solder Instead Of 95/5 Solder, Add	18.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0505	EA		2" Straight Copper Tee	171.69	84.84
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.94	
			For Brazed Fittings Instead Of 95/5 Solder, Add	19.07	
			For Work In Restricted Working Space, Add	38.14	
			For Silver Solder Instead Of 95/5 Solder, Add	21.30	
22 11 16 00-0506	EA		2-1/2" Straight Copper Tee	216.15	86.00
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.26	
			For Brazed Fittings Instead Of 95/5 Solder, Add	19.35	
			For Work In Restricted Working Space, Add	38.70	
			For Silver Solder Instead Of 95/5 Solder, Add	23.71	
22 11 16 00-0507	EA		3" Straight Copper Tee	288.43	103.56
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.19	
			For Brazed Fittings Instead Of 95/5 Solder, Add	23.29	
			For Work In Restricted Working Space, Add	46.58	
			For Silver Solder Instead Of 95/5 Solder, Add	29.95	
22 11 16 00-0508	EA		4" Straight Copper Tee	539.66	145.00
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.85	
			For Brazed Fittings Instead Of 95/5 Solder, Add	32.61	
			For Work In Restricted Working Space, Add	65.21	
			For Silver Solder Instead Of 95/5 Solder, Add	48.72	
22 11 16 00-0509	EA		5" Straight Copper Tee	1,350.92	198.39
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-82.42	
			For Brazed Fittings Instead Of 95/5 Solder, Add	44.61	
			For Work In Restricted Working Space, Add	89.22	
			For Silver Solder Instead Of 95/5 Solder, Add	97.29	
22 11 16 00-0510	EA		6" Straight Copper Tee	1,876.10	290.84
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-115.60	
			For Brazed Fittings Instead Of 95/5 Solder, Add	65.39	
			For Work In Restricted Working Space, Add	130.79	
			For Silver Solder Instead Of 95/5 Solder, Add	137.40	
22 11 16 00-0511	EA		8" Straight Copper Tee	6,135.77	387.23
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-335.81	
			For Brazed Fittings Instead Of 95/5 Solder, Add	87.07	
			For Work In Restricted Working Space, Add	174.14	
			For Silver Solder Instead Of 95/5 Solder, Add	364.84	
22 11 16 00-0512	EA		1/2" Cast Bronze Drop Ear Tee	76.25	43.32
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.06	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.73	
			For Work In Restricted Working Space, Add	19.46	
			For Silver Solder Instead Of 95/5 Solder, Add	10.30	
22 11 16 00-0513 Reducing Copper Tees (22 11 16 00-0451)					
22 11 16 00-0514	EA		3/8" Reducing Copper Tee	51.97	27.63
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.67	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.23	
			For Work In Restricted Working Space, Add	12.45	
			For Silver Solder Instead Of 95/5 Solder, Add	6.75	
22 11 16 00-0515	EA		1/2" Reducing Copper Tee	67.59	38.92
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.30	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.76	
			For Work In Restricted Working Space, Add	17.51	
			For Silver Solder Instead Of 95/5 Solder, Add	9.22	
22 11 16 00-0516	EA		3/4" Reducing Copper Tee	79.93	50.20
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.76	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.29	
			For Work In Restricted Working Space, Add	22.57	
			For Silver Solder Instead Of 95/5 Solder, Add	11.52	
22 11 16 00-0517	EA		1" Reducing Copper Tee	105.71	60.58
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.83	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.62	
			For Work In Restricted Working Space, Add	27.24	
			For Silver Solder Instead Of 95/5 Solder, Add	14.37	
22 11 16 00-0518	EA		1-1/4" Reducing Copper Tee	121.21	65.77
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.99	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.79	
			For Work In Restricted Working Space, Add	29.57	
			For Silver Solder Instead Of 95/5 Solder, Add	15.92	
22 11 16 00-0519	EA		1-1/2" Reducing Copper Tee	139.65	71.87
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.37	
			For Brazed Fittings Instead Of 95/5 Solder, Add	16.15	
			For Work In Restricted Working Space, Add	32.30	
			For Silver Solder Instead Of 95/5 Solder, Add	17.75	
22 11 16 00-0520	EA		2" Reducing Copper Tee	166.88	80.42
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.38	
			For Brazed Fittings Instead Of 95/5 Solder, Add	18.10	
			For Work In Restricted Working Space, Add	36.19	
			For Silver Solder Instead Of 95/5 Solder, Add	20.41	
22 11 16 00-0521	EA		2-1/2" Reducing Copper Tee	219.70	82.89
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.20	
			For Brazed Fittings Instead Of 95/5 Solder, Add	18.63	
			For Work In Restricted Working Space, Add	37.27	
			For Silver Solder Instead Of 95/5 Solder, Add	23.41	
22 11 16 00-0522	EA		3" Reducing Copper Tee	300.13	95.55
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.17	
			For Brazed Fittings Instead Of 95/5 Solder, Add	21.50	
			For Work In Restricted Working Space, Add	43.00	
			For Silver Solder Instead Of 95/5 Solder, Add	29.34	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0523	EA	4" Reducing Copper Tee	506.86	117.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-34.18	
		For Brazed Fittings Instead Of 95/5 Solder, Add	26.52	
		For Work In Restricted Working Space, Add	53.03	
		For Silver Solder Instead Of 95/5 Solder, Add	43.02	

22 11 16 00-0524 Copper Couplings (22 11 16 00-0451)

22 11 16 00-0525	EA	1/4" Copper Coupling.....	22.16	14.40
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.18	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.23	
		For Work In Restricted Working Space, Add	6.46	
		For Silver Solder Instead Of 95/5 Solder, Add	3.26	
22 11 16 00-0526	EA	3/8" Copper Coupling.....	26.68	17.26
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.63	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.88	
		For Work In Restricted Working Space, Add	7.75	
		For Silver Solder Instead Of 95/5 Solder, Add	3.92	
22 11 16 00-0527	EA	1/2" Copper Coupling.....	36.22	23.60
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.59	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.33	
		For Work In Restricted Working Space, Add	10.66	
		For Silver Solder Instead Of 95/5 Solder, Add	5.36	
22 11 16 00-0528	EA	3/4" Copper Coupling.....	45.54	29.45
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.48	
		For Brazed Fittings Instead Of 95/5 Solder, Add	6.62	
		For Work In Restricted Working Space, Add	13.24	
		For Silver Solder Instead Of 95/5 Solder, Add	6.69	
22 11 16 00-0529	EA	1" Copper Coupling.....	55.53	35.15
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.41	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.91	
		For Work In Restricted Working Space, Add	15.83	
		For Silver Solder Instead Of 95/5 Solder, Add	8.05	
22 11 16 00-0530	EA	1-1/4" Copper Coupling	61.96	38.01
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.95	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.56	
		For Work In Restricted Working Space, Add	17.12	
		For Silver Solder Instead Of 95/5 Solder, Add	8.80	
22 11 16 00-0531	EA	1-1/2" Copper Coupling	68.94	41.64
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.57	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.37	
		For Work In Restricted Working Space, Add	18.74	
		For Silver Solder Instead Of 95/5 Solder, Add	9.69	
22 11 16 00-0532	EA	2" Copper Coupling.....	80.78	46.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.54	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.50	
		For Work In Restricted Working Space, Add	21.00	
		For Silver Solder Instead Of 95/5 Solder, Add	11.04	
22 11 16 00-0533	EA	2-1/2" Copper Coupling	92.63	47.06
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.17	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.61	
		For Work In Restricted Working Space, Add	21.21	
		For Silver Solder Instead Of 95/5 Solder, Add	11.70	
22 11 16 00-0534	EA	3" Copper Coupling.....	117.33	58.29
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.24	
		For Brazed Fittings Instead Of 95/5 Solder, Add	13.12	
		For Work In Restricted Working Space, Add	26.25	
		For Silver Solder Instead Of 95/5 Solder, Add	14.62	
22 11 16 00-0535	EA	4" Copper Coupling.....	189.72	82.53
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.69	
		For Brazed Fittings Instead Of 95/5 Solder, Add	18.60	
		For Work In Restricted Working Space, Add	37.19	
		For Silver Solder Instead Of 95/5 Solder, Add	21.88	
22 11 16 00-0536	EA	5" Copper Coupling.....	316.52	119.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.80	
		For Brazed Fittings Instead Of 95/5 Solder, Add	26.93	
		For Work In Restricted Working Space, Add	53.86	
		For Silver Solder Instead Of 95/5 Solder, Add	33.78	
22 11 16 00-0537	EA	6" Copper Coupling.....	487.62	174.03
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.44	
		For Brazed Fittings Instead Of 95/5 Solder, Add	39.18	
		For Work In Restricted Working Space, Add	78.37	
		For Silver Solder Instead Of 95/5 Solder, Add	50.50	
22 11 16 00-0538	EA	8" Copper Coupling.....	1,082.19	231.96
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-71.52	
		For Brazed Fittings Instead Of 95/5 Solder, Add	52.24	
		For Work In Restricted Working Space, Add	104.49	
		For Silver Solder Instead Of 95/5 Solder, Add	88.94	

22 11 16 00-0539 Reducing Copper Couplings (22 11 16 00-0451)

22 11 16 00-0540	EA	3/8" Reducing Copper Coupling.....	25.05	15.83
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.44	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.55	
		For Work In Restricted Working Space, Add	7.10	
		For Silver Solder Instead Of 95/5 Solder, Add	3.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0541	EA	1/2"	Reducing Copper Coupling	32.12	20.50
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.14	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.60	
			For Work In Restricted Working Space, Add	9.21	
			For Silver Solder Instead Of 95/5 Solder, Add	4.68	
22 11 16 00-0542	EA	3/4"	Reducing Copper Coupling	42.31	26.59
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.11	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.97	
			For Work In Restricted Working Space, Add	11.95	
			For Silver Solder Instead Of 95/5 Solder, Add	6.10	
22 11 16 00-0543	EA	1"	Reducing Copper Coupling	52.93	32.30
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.07	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.27	
			For Work In Restricted Working Space, Add	14.54	
			For Silver Solder Instead Of 95/5 Solder, Add	7.49	
22 11 16 00-0544	EA	1-1/4"	Reducing Copper Coupling	61.16	36.58
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.80	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.24	
			For Work In Restricted Working Space, Add	16.47	
			For Silver Solder Instead Of 95/5 Solder, Add	8.55	
22 11 16 00-0545	EA	1-1/2"	Reducing Copper Coupling	70.10	39.82
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.49	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.96	
			For Work In Restricted Working Space, Add	17.93	
			For Silver Solder Instead Of 95/5 Solder, Add	9.48	
22 11 16 00-0546	EA	2"	Reducing Copper Coupling	82.21	44.11
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.42	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.93	
			For Work In Restricted Working Space, Add	19.87	
			For Silver Solder Instead Of 95/5 Solder, Add	10.73	
22 11 16 00-0547	EA	2-1/2"	Reducing Copper Coupling	100.11	45.03
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.38	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.14	
			For Work In Restricted Working Space, Add	20.27	
			For Silver Solder Instead Of 95/5 Solder, Add	11.76	
22 11 16 00-0548	EA	3"	Reducing Copper Coupling	119.32	52.67
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.92	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.87	
			For Work In Restricted Working Space, Add	23.73	
			For Silver Solder Instead Of 95/5 Solder, Add	13.88	
22 11 16 00-0549	EA	4"	Reducing Copper Coupling	185.57	70.47
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.57	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.86	
			For Work In Restricted Working Space, Add	31.72	
			For Silver Solder Instead Of 95/5 Solder, Add	19.85	
22 11 16 00-0550	EA	5"	Reducing Copper Coupling	460.22	98.65
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-30.41	
			For Brazed Fittings Instead Of 95/5 Solder, Add	22.21	
			For Work In Restricted Working Space, Add	44.42	
			For Silver Solder Instead Of 95/5 Solder, Add	37.82	
22 11 16 00-0551	EA	6"	Reducing Copper Coupling	672.31	125.77
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-43.06	
			For Brazed Fittings Instead Of 95/5 Solder, Add	28.33	
			For Work In Restricted Working Space, Add	56.67	
			For Silver Solder Instead Of 95/5 Solder, Add	52.50	
22 11 16 00-0552	EA	8"	Reducing Copper Coupling	1,329.37	202.82
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-81.70	
			For Brazed Fittings Instead Of 95/5 Solder, Add	45.69	
			For Work In Restricted Working Space, Add	91.37	
			For Silver Solder Instead Of 95/5 Solder, Add	96.93	
22 11 16 00-0553	Male Copper Adapters (22 11 16 00-0451)				
22 11 16 00-0554	EA	1/4"	Male Copper Adapter	37.04	16.86
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.15	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.89	
			For Work In Restricted Working Space, Add	7.79	
			For Silver Solder Instead Of 95/5 Solder, Add	4.45	
22 11 16 00-0555	EA	3/8"	Male Copper Adapter	36.66	20.76
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.39	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.67	
			For Work In Restricted Working Space, Add	9.34	
			For Silver Solder Instead Of 95/5 Solder, Add	4.95	
22 11 16 00-0556	EA	1/2"	Male Copper Adapter	41.16	25.95
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.00	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.84	
			For Work In Restricted Working Space, Add	11.68	
			For Silver Solder Instead Of 95/5 Solder, Add	5.95	
22 11 16 00-0557	EA	3/4"	Male Copper Adapter	51.79	32.43
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.99	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.20	
			For Work In Restricted Working Space, Add	14.40	
			For Silver Solder Instead Of 95/5 Solder, Add	7.39	
22 11 16 00-0558	EA	1"	Male Copper Adapter	65.43	37.62
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.06	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.37	
			For Work In Restricted Working Space, Add	16.73	
			For Silver Solder Instead Of 95/5 Solder, Add	8.85	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

22 11 16 00-0559	EA	1-1/4" Male Copper Adapter	78.91	42.81
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.19	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.73	
		For Work In Restricted Working Space, Add	19.46	
		For Silver Solder Instead Of 95/5 Solder, Add	10.43	
22 11 16 00-0560	EA	1-1/2" Male Copper Adapter	90.38	49.29
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.22	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.09	
		For Work In Restricted Working Space, Add	22.18	
		For Silver Solder Instead Of 95/5 Solder, Add	11.91	
22 11 16 00-0561	EA	2" Male Copper Adapter	122.53	62.91
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.86	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.21	
		For Work In Restricted Working Space, Add	28.41	
		For Silver Solder Instead Of 95/5 Solder, Add	15.60	
22 11 16 00-0562	EA	2-1/2" Male Copper Adapter	209.41	81.72
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.57	
		For Brazed Fittings Instead Of 95/5 Solder, Add	18.29	
		For Work In Restricted Working Space, Add	36.58	
		For Silver Solder Instead Of 95/5 Solder, Add	22.66	
22 11 16 00-0563	EA	3" Male Copper Adapter	278.26	108.99
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.04	
		For Brazed Fittings Instead Of 95/5 Solder, Add	24.37	
		For Work In Restricted Working Space, Add	48.73	
		For Silver Solder Instead Of 95/5 Solder, Add	30.16	
22 11 16 00-0564	EA	4" Male Copper Adapter	414.55	152.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-32.19	
		For Brazed Fittings Instead Of 95/5 Solder, Add	34.40	
		For Work In Restricted Working Space, Add	68.80	
		For Silver Solder Instead Of 95/5 Solder, Add	43.66	

22 11 16 00-0565 Female Copper Adapters (22 11 16 00-0451)

22 11 16 00-0566	EA	1/4" Female Copper Adapter	33.03	16.86
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.95	
		For Brazed Fittings Instead Of 95/5 Solder, Add	3.89	
		For Work In Restricted Working Space, Add	7.79	
		For Silver Solder Instead Of 95/5 Solder, Add	4.25	
22 11 16 00-0567	EA	3/8" Female Copper Adapter	38.54	20.76
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.48	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.67	
		For Work In Restricted Working Space, Add	9.34	
		For Silver Solder Instead Of 95/5 Solder, Add	5.04	
22 11 16 00-0568	EA	1/2" Female Copper Adapter	42.51	25.95
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.07	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.84	
		For Work In Restricted Working Space, Add	11.68	
		For Silver Solder Instead Of 95/5 Solder, Add	6.02	
22 11 16 00-0569	EA	3/4" Female Copper Adapter	52.89	32.43
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.04	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.20	
		For Work In Restricted Working Space, Add	14.40	
		For Silver Solder Instead Of 95/5 Solder, Add	7.44	
22 11 16 00-0570	EA	1" Female Copper Adapter	66.99	37.62
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.14	
		For Brazed Fittings Instead Of 95/5 Solder, Add	8.37	
		For Work In Restricted Working Space, Add	16.73	
		For Silver Solder Instead Of 95/5 Solder, Add	8.93	
22 11 16 00-0571	EA	1-1/4" Female Copper Adapter	81.30	42.81
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.31	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.73	
		For Work In Restricted Working Space, Add	19.46	
		For Silver Solder Instead Of 95/5 Solder, Add	10.55	
22 11 16 00-0572	EA	1-1/2" Female Copper Adapter	99.67	49.29
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.68	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.09	
		For Work In Restricted Working Space, Add	22.18	
		For Silver Solder Instead Of 95/5 Solder, Add	12.38	
22 11 16 00-0573	EA	2" Female Copper Adapter	129.61	62.91
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.22	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.21	
		For Work In Restricted Working Space, Add	28.41	
		For Silver Solder Instead Of 95/5 Solder, Add	15.95	
22 11 16 00-0574	EA	2-1/2" Female Copper Adapter	235.71	75.25
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.40	
		For Brazed Fittings Instead Of 95/5 Solder, Add	16.84	
		For Work In Restricted Working Space, Add	33.68	
		For Silver Solder Instead Of 95/5 Solder, Add	23.01	
22 11 16 00-0575	EA	3" Female Copper Adapter	370.38	108.99
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.64	
		For Brazed Fittings Instead Of 95/5 Solder, Add	24.37	
		For Work In Restricted Working Space, Add	48.73	
		For Silver Solder Instead Of 95/5 Solder, Add	34.76	

22 11 16 00-0576 Wrot Copper, Solder Union (22 11 16 00-0451)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0577	EA	1/4"	Wrot Copper, Solder Union	46.22	20.76
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.87	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.67	
			For Work In Restricted Working Space, Add	9.34	
			For Silver Solder Instead Of 95/5 Solder, Add	5.42	
22 11 16 00-0578	EA	3/8"	Wrot Copper, Solder Union	53.17	25.03
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.54	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.64	
			For Work In Restricted Working Space, Add	11.29	
			For Silver Solder Instead Of 95/5 Solder, Add	6.42	
22 11 16 00-0579	EA	1/2"	Wrot Copper, Solder Union	56.31	31.13
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.15	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.01	
			For Work In Restricted Working Space, Add	14.01	
			For Silver Solder Instead Of 95/5 Solder, Add	7.49	
22 11 16 00-0580	EA	3/4"	Wrot Copper, Solder Union	65.00	35.55
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.91	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.98	
			For Work In Restricted Working Space, Add	15.95	
			For Silver Solder Instead Of 95/5 Solder, Add	8.57	
22 11 16 00-0581	EA	1"	Wrot Copper, Solder Union	83.88	42.42
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.37	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.53	
			For Work In Restricted Working Space, Add	19.07	
			For Silver Solder Instead Of 95/5 Solder, Add	10.55	
22 11 16 00-0582	EA	1-1/4"	Wrot Copper, Solder Union	99.47	46.70
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.48	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.51	
			For Work In Restricted Working Space, Add	21.02	
			For Silver Solder Instead Of 95/5 Solder, Add	11.98	
22 11 16 00-0583	EA	1-1/2"	Wrot Copper, Solder Union	119.32	51.89
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.86	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.68	
			For Work In Restricted Working Space, Add	23.35	
			For Silver Solder Instead Of 95/5 Solder, Add	13.75	
22 11 16 00-0584	EA	2"	Wrot Copper, Solder Union	164.11	62.26
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.88	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.01	
			For Work In Restricted Working Space, Add	28.02	
			For Silver Solder Instead Of 95/5 Solder, Add	17.55	
22 11 16 00-0585	EA	2-1/2"	Wrot Copper, Solder Union	295.54	68.56
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-19.91	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.41	
			For Work In Restricted Working Space, Add	30.82	
			For Silver Solder Instead Of 95/5 Solder, Add	25.05	
22 11 16 00-0586	EA	3"	Wrot Copper, Solder Union	644.69	97.23
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-39.52	
			For Brazed Fittings Instead Of 95/5 Solder, Add	21.86	
			For Work In Restricted Working Space, Add	43.72	
			For Silver Solder Instead Of 95/5 Solder, Add	46.81	
22 11 16 00-0587 Cast Bronze, Solder Union (22 11 16 00-0451)					
22 11 16 00-0588	EA	1/4"	Cast Bronze, Solder Union	51.79	20.76
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.15	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.67	
			For Work In Restricted Working Space, Add	9.34	
			For Silver Solder Instead Of 95/5 Solder, Add	5.70	
22 11 16 00-0589	EA	3/8"	Cast Bronze, Solder Union	58.42	25.03
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.80	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.64	
			For Work In Restricted Working Space, Add	11.29	
			For Silver Solder Instead Of 95/5 Solder, Add	6.68	
22 11 16 00-0590	EA	1/2"	Cast Bronze, Solder Union	57.78	31.13
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.22	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.01	
			For Work In Restricted Working Space, Add	14.01	
			For Silver Solder Instead Of 95/5 Solder, Add	7.56	
22 11 16 00-0591	EA	3/4"	Cast Bronze, Solder Union	67.07	35.55
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.01	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.98	
			For Work In Restricted Working Space, Add	15.95	
			For Silver Solder Instead Of 95/5 Solder, Add	8.67	
22 11 16 00-0592	EA	1"	Cast Bronze, Solder Union	87.46	42.42
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.55	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.53	
			For Work In Restricted Working Space, Add	19.07	
			For Silver Solder Instead Of 95/5 Solder, Add	10.73	
22 11 16 00-0593	EA	1-1/4"	Cast Bronze, Solder Union	109.28	46.70
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.97	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.51	
			For Work In Restricted Working Space, Add	21.02	
			For Silver Solder Instead Of 95/5 Solder, Add	12.47	
22 11 16 00-0594	EA	1-1/2"	Cast Bronze, Solder Union	129.55	51.89
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.37	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.68	
			For Work In Restricted Working Space, Add	23.35	
			For Silver Solder Instead Of 95/5 Solder, Add	14.26	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0595	EA	2" Cast Bronze, Solder Union	181.53	62.26
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.75	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.01	
		For Work In Restricted Working Space, Add	28.02	
		For Silver Solder Instead Of 95/5 Solder, Add	18.42	
22 11 16 00-0596	EA	2-1/2" Cast Bronze, Solder Union	295.53	68.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-19.91	
		For Brazed Fittings Instead Of 95/5 Solder, Add	15.41	
		For Work In Restricted Working Space, Add	30.82	
		For Silver Solder Instead Of 95/5 Solder, Add	25.05	
22 11 16 00-0597	EA	3" Cast Bronze, Solder Union	644.69	97.23
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-39.52	
		For Brazed Fittings Instead Of 95/5 Solder, Add	21.86	
		For Work In Restricted Working Space, Add	43.72	
		For Silver Solder Instead Of 95/5 Solder, Add	46.81	

22 11 16 00-0598 Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0451)

22 11 16 00-0599	EA	1/4" Cast Bronze, Solder X Female Threaded Union	59.31	20.76
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.52	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.67	
		For Work In Restricted Working Space, Add	9.34	
		For Silver Solder Instead Of 95/5 Solder, Add	6.08	
22 11 16 00-0600	EA	3/8" Cast Bronze, Solder X Female Threaded Union	66.78	25.03
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.22	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.64	
		For Work In Restricted Working Space, Add	11.29	
		For Silver Solder Instead Of 95/5 Solder, Add	7.10	
22 11 16 00-0601	EA	1/2" Cast Bronze, Solder X Female Threaded Union	69.86	31.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.83	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.01	
		For Work In Restricted Working Space, Add	14.01	
		For Silver Solder Instead Of 95/5 Solder, Add	8.16	
22 11 16 00-0602	EA	3/4" Cast Bronze, Solder X Female Threaded Union	84.75	35.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.90	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.98	
		For Work In Restricted Working Space, Add	15.95	
		For Silver Solder Instead Of 95/5 Solder, Add	9.56	
22 11 16 00-0603	EA	1" Cast Bronze, Solder X Female Threaded Union	129.22	42.42
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.64	
		For Brazed Fittings Instead Of 95/5 Solder, Add	9.53	
		For Work In Restricted Working Space, Add	19.07	
		For Silver Solder Instead Of 95/5 Solder, Add	12.82	
22 11 16 00-0604	EA	1-1/4" Cast Bronze, Solder X Female Threaded Union	192.41	46.70
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.12	
		For Brazed Fittings Instead Of 95/5 Solder, Add	10.51	
		For Work In Restricted Working Space, Add	21.02	
		For Silver Solder Instead Of 95/5 Solder, Add	16.63	
22 11 16 00-0605	EA	1-1/2" Cast Bronze, Solder X Female Threaded Union	232.86	51.89
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.54	
		For Brazed Fittings Instead Of 95/5 Solder, Add	11.68	
		For Work In Restricted Working Space, Add	23.35	
		For Silver Solder Instead Of 95/5 Solder, Add	19.43	
22 11 16 00-0606	EA	2" Cast Bronze, Solder X Female Threaded Union	355.80	62.26
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.46	
		For Brazed Fittings Instead Of 95/5 Solder, Add	14.01	
		For Work In Restricted Working Space, Add	28.02	
		For Silver Solder Instead Of 95/5 Solder, Add	27.13	
22 11 16 00-0607	EA	2-1/2" Cast Bronze, Solder X Female Threaded Union	600.14	68.56
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-35.14	
		For Brazed Fittings Instead Of 95/5 Solder, Add	15.41	
		For Work In Restricted Working Space, Add	30.82	
		For Silver Solder Instead Of 95/5 Solder, Add	40.28	

22 11 16 00-0608 Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0451)

22 11 16 00-0609	EA	1/4" Cast Bronze, Solder X Male Threaded Union	52.59	20.76
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.19	
		For Brazed Fittings Instead Of 95/5 Solder, Add	4.67	
		For Work In Restricted Working Space, Add	9.34	
		For Silver Solder Instead Of 95/5 Solder, Add	5.74	
22 11 16 00-0610	EA	3/8" Cast Bronze, Solder X Male Threaded Union	62.67	25.03
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.01	
		For Brazed Fittings Instead Of 95/5 Solder, Add	5.64	
		For Work In Restricted Working Space, Add	11.29	
		For Silver Solder Instead Of 95/5 Solder, Add	6.90	
22 11 16 00-0611	EA	1/2" Cast Bronze, Solder X Male Threaded Union	64.98	31.13
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.58	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.01	
		For Work In Restricted Working Space, Add	14.01	
		For Silver Solder Instead Of 95/5 Solder, Add	7.92	
22 11 16 00-0612	EA	3/4" Cast Bronze, Solder X Male Threaded Union	80.61	35.55
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.69	
		For Brazed Fittings Instead Of 95/5 Solder, Add	7.98	
		For Work In Restricted Working Space, Add	15.95	
		For Silver Solder Instead Of 95/5 Solder, Add	9.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0613	EA		1" Cast Bronze, Solder X Male Threaded Union.....	131.11	42.42
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.73	
			For Brazed Fittings Instead Of 95/5 Solder, Add	9.53	
			For Work In Restricted Working Space, Add	19.07	
			For Silver Solder Instead Of 95/5 Solder, Add	12.91	
22 11 16 00-0614	EA		1-1/4" Cast Bronze, Solder X Male Threaded Union.....	153.84	46.70
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.19	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.51	
			For Work In Restricted Working Space, Add	21.02	
			For Silver Solder Instead Of 95/5 Solder, Add	14.70	
22 11 16 00-0615	EA		1-1/2" Cast Bronze, Solder X Male Threaded Union.....	165.85	51.89
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	11.68	
			For Work In Restricted Working Space, Add	23.35	
			For Silver Solder Instead Of 95/5 Solder, Add	16.08	
22 11 16 00-0616	EA		2" Cast Bronze, Solder X Male Threaded Union.....	228.59	62.26
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.10	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.01	
			For Work In Restricted Working Space, Add	28.02	
			For Silver Solder Instead Of 95/5 Solder, Add	20.77	
22 11 16 00-0617	EA		2-1/2" Cast Bronze, Solder X Male Threaded Union.....	498.90	68.56
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-30.08	
			For Brazed Fittings Instead Of 95/5 Solder, Add	15.41	
			For Work In Restricted Working Space, Add	30.82	
			For Silver Solder Instead Of 95/5 Solder, Add	35.22	
22 11 16 00-0618 Copper Caps (22 11 16 00-0451)					
22 11 16 00-0619	EA		1/4" Copper Cap	9.52	5.70
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.90	
			For Brazed Fittings Instead Of 95/5 Solder, Add	1.28	
			For Work In Restricted Working Space, Add	2.57	
			For Silver Solder Instead Of 95/5 Solder, Add	1.33	
22 11 16 00-0620	EA		3/8" Copper Cap	11.79	6.74
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.10	
			For Brazed Fittings Instead Of 95/5 Solder, Add	1.54	
			For Work In Restricted Working Space, Add	3.08	
			For Silver Solder Instead Of 95/5 Solder, Add	1.62	
22 11 16 00-0621	EA		1/2" Copper Cap	14.91	9.34
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.45	
			For Brazed Fittings Instead Of 95/5 Solder, Add	2.12	
			For Work In Restricted Working Space, Add	4.24	
			For Silver Solder Instead Of 95/5 Solder, Add	2.16	
22 11 16 00-0622	EA		3/4" Copper Cap	19.01	11.54
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.83	
			For Brazed Fittings Instead Of 95/5 Solder, Add	2.63	
			For Work In Restricted Working Space, Add	5.27	
			For Silver Solder Instead Of 95/5 Solder, Add	2.71	
22 11 16 00-0623	EA		1" Copper Cap	24.42	13.88
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.27	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.15	
			For Work In Restricted Working Space, Add	6.29	
			For Silver Solder Instead Of 95/5 Solder, Add	3.32	
22 11 16 00-0624	EA		1-1/4" Copper Cap	27.29	14.92
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.50	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.40	
			For Work In Restricted Working Space, Add	6.81	
			For Silver Solder Instead Of 95/5 Solder, Add	3.63	
22 11 16 00-0625	EA		1-1/2" Copper Cap	31.52	16.34
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.82	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.72	
			For Work In Restricted Working Space, Add	7.45	
			For Silver Solder Instead Of 95/5 Solder, Add	4.06	
22 11 16 00-0626	EA		2" Copper Cap	37.99	16.96
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.84	
			For Work In Restricted Working Space, Add	7.69	
			For Silver Solder Instead Of 95/5 Solder, Add	4.46	
22 11 16 00-0627	EA		2-1/2" Copper Cap	66.74	19.83
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.84	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.52	
			For Work In Restricted Working Space, Add	9.03	
			For Silver Solder Instead Of 95/5 Solder, Add	6.35	
22 11 16 00-0628	EA		3" Copper Cap	90.99	25.44
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.48	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.78	
			For Work In Restricted Working Space, Add	11.56	
			For Silver Solder Instead Of 95/5 Solder, Add	8.40	
22 11 16 00-0629	EA		4" Copper Cap	157.32	38.46
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.78	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.74	
			For Work In Restricted Working Space, Add	17.49	
			For Silver Solder Instead Of 95/5 Solder, Add	13.70	
22 11 16 00-0630	EA		5" Cast Bronze Cap	785.90	59.25
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-43.78	
			For Brazed Fittings Instead Of 95/5 Solder, Add	13.46	
			For Work In Restricted Working Space, Add	26.93	
			For Silver Solder Instead Of 95/5 Solder, Add	48.27	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 11 16 00-0631	EA 6" Cast Bronze Cap	1,517.57		86.23
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-82.41		
	For Brazed Fittings Instead Of 95/5 Solder, Add	19.59		
	For Work In Restricted Working Space, Add	39.18		
	For Silver Solder Instead Of 95/5 Solder, Add	88.94		
22 11 16 00-0632	EA 8" Cast Bronze Cap	1,934.41		114.90
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-105.43		
	For Brazed Fittings Instead Of 95/5 Solder, Add	26.12		
	For Work In Restricted Working Space, Add	52.25		
	For Silver Solder Instead Of 95/5 Solder, Add	114.14		
22 11 16 00-0633 Copper Crosses (22 11 16 00-0451)				
22 11 16 00-0634	EA 1/2" Copper Cross	91.17		52.55
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.50		
	For Brazed Fittings Instead Of 95/5 Solder, Add	11.83		
	For Work In Restricted Working Space, Add	23.65		
	For Silver Solder Instead Of 95/5 Solder, Add	12.44		
22 11 16 00-0635	EA 3/4" Copper Cross	121.90		65.34
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.99		
	For Brazed Fittings Instead Of 95/5 Solder, Add	14.69		
	For Work In Restricted Working Space, Add	29.38		
	For Silver Solder Instead Of 95/5 Solder, Add	15.89		
22 11 16 00-0636	EA 1" Copper Cross	157.76		78.00
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.74		
	For Brazed Fittings Instead Of 95/5 Solder, Add	17.56		
	For Work In Restricted Working Space, Add	35.12		
	For Silver Solder Instead Of 95/5 Solder, Add	19.59		
22 11 16 00-0637	EA 1-1/4" Copper Cross	185.12		84.44
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.59		
	For Brazed Fittings Instead Of 95/5 Solder, Add	18.99		
	For Work In Restricted Working Space, Add	37.98		
	For Silver Solder Instead Of 95/5 Solder, Add	21.92		
22 11 16 00-0638	EA 1-1/2" Copper Cross	221.95		92.32
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.03		
	For Brazed Fittings Instead Of 95/5 Solder, Add	20.78		
	For Work In Restricted Working Space, Add	41.57		
	For Silver Solder Instead Of 95/5 Solder, Add	24.95		
22 11 16 00-0639	EA 2" Copper Cross	312.81		103.56
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.40		
	For Brazed Fittings Instead Of 95/5 Solder, Add	23.29		
	For Work In Restricted Working Space, Add	46.58		
	For Silver Solder Instead Of 95/5 Solder, Add	31.17		
22 11 16 00-0640	EA 2-1/2" Copper Cross	535.13		114.66
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-35.36		
	For Brazed Fittings Instead Of 95/5 Solder, Add	25.80		
	For Work In Restricted Working Space, Add	51.60		
	For Silver Solder Instead Of 95/5 Solder, Add	43.96		
22 11 16 00-0641 Cast Bronze Crosses (22 11 16 00-0451)				
22 11 16 00-0642	EA 3/8" Cast Bronze Cross	73.77		38.22
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.56		
	For Brazed Fittings Instead Of 95/5 Solder, Add	8.60		
	For Work In Restricted Working Space, Add	17.20		
	For Silver Solder Instead Of 95/5 Solder, Add	9.42		
22 11 16 00-0643	EA 1/2" Cast Bronze Cross	93.63		52.55
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.62		
	For Brazed Fittings Instead Of 95/5 Solder, Add	11.83		
	For Work In Restricted Working Space, Add	23.65		
	For Silver Solder Instead Of 95/5 Solder, Add	12.57		
22 11 16 00-0644	EA 3/4" Cast Bronze Cross	126.69		65.34
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.23		
	For Brazed Fittings Instead Of 95/5 Solder, Add	14.69		
	For Work In Restricted Working Space, Add	29.38		
	For Silver Solder Instead Of 95/5 Solder, Add	16.13		
22 11 16 00-0645	EA 1" Cast Bronze Cross	165.89		78.00
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.15		
	For Brazed Fittings Instead Of 95/5 Solder, Add	17.56		
	For Work In Restricted Working Space, Add	35.12		
	For Silver Solder Instead Of 95/5 Solder, Add	20.00		
22 11 16 00-0646	EA 1-1/4" Cast Bronze Cross	196.82		84.44
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.17		
	For Brazed Fittings Instead Of 95/5 Solder, Add	18.99		
	For Work In Restricted Working Space, Add	37.98		
	For Silver Solder Instead Of 95/5 Solder, Add	22.50		
22 11 16 00-0647	EA 1-1/2" Cast Bronze Cross	238.62		92.32
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.86		
	For Brazed Fittings Instead Of 95/5 Solder, Add	20.78		
	For Work In Restricted Working Space, Add	41.57		
	For Silver Solder Instead Of 95/5 Solder, Add	25.79		
22 11 16 00-0648	EA 2" Cast Bronze Cross	342.14		103.56
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.87		
	For Brazed Fittings Instead Of 95/5 Solder, Add	23.29		
	For Work In Restricted Working Space, Add	46.58		
	For Silver Solder Instead Of 95/5 Solder, Add	32.63		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0649	EA		2-1/2" Cast Bronze Cross	607.76	114.66
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-38.99	
			For Brazed Fittings Instead Of 95/5 Solder, Add	25.80	
			For Work In Restricted Working Space, Add	51.60	
			For Silver Solder Instead Of 95/5 Solder, Add	47.59	
22 11 16 00-0650			Flexible Corrugated Copper Supply Line (22 11 16 00-0451)		
22 11 16 00-0651	EA		3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	88.96	35.55
22 11 16 00-0652	EA		3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	93.27	35.55
22 11 16 00-0653	EA		3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	81.22	35.55
22 11 16 00-0654	EA		3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	86.09	35.55
22 11 16 00-0655	EA		3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	90.40	35.55
22 11 16 00-0656	EA		3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	93.27	35.55
22 11 16 00-0657			Crimped Copper Fittings (22 11 16 00-0383)		
			Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0658			Crimped Copper 90 Degree Elbows (22 11 16 00-0657)		
22 11 16 00-0659	EA		1/2" Crimped Copper 90 Degree Elbow	26.36	15.57
			For Work In Restricted Working Space, Add	7.01	
22 11 16 00-0660	EA		3/4" Crimped Copper 90 Degree Elbow	31.70	17.77
			For Work In Restricted Working Space, Add	7.98	
22 11 16 00-0661	EA		1" Crimped Copper 90 Degree Elbow	42.02	21.15
			For Work In Restricted Working Space, Add	9.53	
22 11 16 00-0662	EA		1-1/4" Crimped Copper 90 Degree Elbow	55.69	23.35
			For Work In Restricted Working Space, Add	10.51	
22 11 16 00-0663	EA		1-1/2" Crimped Copper 90 Degree Elbow	78.05	25.95
			For Work In Restricted Working Space, Add	11.68	
22 11 16 00-0664	EA		2" Crimped Copper 90 Degree Elbow	101.09	31.13
			For Work In Restricted Working Space, Add	14.01	
22 11 16 00-0665	EA		2-1/2" Crimped Copper 90 Degree Elbow	212.46	36.32
			For Work In Restricted Working Space, Add	16.34	
22 11 16 00-0666	EA		3" Crimped Copper 90 Degree Elbow	263.61	43.19
			For Work In Restricted Working Space, Add	19.46	
22 11 16 00-0667	EA		4" Crimped Copper 90 Degree Elbow	331.51	57.08
			For Work In Restricted Working Space, Add	25.68	
22 11 16 00-0668			Crimped Copper 45 Degree Elbows (22 11 16 00-0657)		
22 11 16 00-0669	EA		1/2" Crimped Copper 45 Degree Elbow	26.86	15.57
			For Work In Restricted Working Space, Add	7.01	
22 11 16 00-0670	EA		3/4" Crimped Copper 45 Degree Elbow	30.90	17.77
			For Work In Restricted Working Space, Add	7.98	
22 11 16 00-0671	EA		1" Crimped Copper 45 Degree Elbow	45.63	21.15
			For Work In Restricted Working Space, Add	9.53	
22 11 16 00-0672	EA		1-1/4" Crimped Copper 45 Degree Elbow	54.89	23.35
			For Work In Restricted Working Space, Add	10.51	
22 11 16 00-0673	EA		1-1/2" Crimped Copper 45 Degree Elbow	71.13	25.95
			For Work In Restricted Working Space, Add	11.68	
22 11 16 00-0674	EA		2" Crimped Copper 45 Degree Elbow	91.76	31.13
			For Work In Restricted Working Space, Add	14.01	
22 11 16 00-0675	EA		2-1/2" Crimped Copper 45 Degree Elbow	158.84	36.32
			For Work In Restricted Working Space, Add	16.34	
22 11 16 00-0676	EA		3" Crimped Copper 45 Degree Elbow	213.95	43.19
			For Work In Restricted Working Space, Add	19.46	
22 11 16 00-0677	EA		4" Crimped Copper 45 Degree Elbow	292.67	57.08
			For Work In Restricted Working Space, Add	25.68	
22 11 16 00-0678			Crimped Copper Straight Tees (22 11 16 00-0657)		
22 11 16 00-0679	EA		1/2" Crimped Copper Straight Tee	39.63	23.35
			For Work In Restricted Working Space, Add	10.51	
22 11 16 00-0680	EA		3/4" Crimped Copper Straight Tee	54.18	30.75
			For Work In Restricted Working Space, Add	13.82	
22 11 16 00-0681	EA		1" Crimped Copper Straight Tee	65.89	34.12
			For Work In Restricted Working Space, Add	15.37	
22 11 16 00-0682	EA		1-1/4" Crimped Copper Straight Tee	77.32	35.02
			For Work In Restricted Working Space, Add	15.76	
22 11 16 00-0683	EA		1-1/2" Crimped Copper Straight Tee	107.83	39.82
			For Work In Restricted Working Space, Add	17.90	
22 11 16 00-0684	EA		2" Crimped Copper Straight Tee	129.55	46.70
			For Work In Restricted Working Space, Add	21.02	
22 11 16 00-0685	EA		2-1/2" Crimped Copper Straight Tee	276.90	54.48
			For Work In Restricted Working Space, Add	24.52	
22 11 16 00-0686	EA		3" Crimped Copper Straight Tee	341.25	64.86
			For Work In Restricted Working Space, Add	29.18	
22 11 16 00-0687	EA		4" Crimped Copper Straight Tee	470.75	85.61
			For Work In Restricted Working Space, Add	38.53	
22 11 16 00-0688			Crimped Copper Reducing Tees (22 11 16 00-0657)		
22 11 16 00-0689	EA		3/4" Crimped Copper Reducing Tee	45.87	22.19
			For Work In Restricted Working Space, Add	10.00	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0690	EA	1" Crimped Copper Reducing Tee	66.00	29.19
		<i>For Work In Restricted Working Space, Add</i>	13.12	
22 11 16 00-0691	EA	1-1/4" Crimped Copper Reducing Tee	71.32	32.43
		<i>For Work In Restricted Working Space, Add</i>	14.60	
22 11 16 00-0692	EA	1-1/2" Crimped Copper Reducing Tee	92.69	33.33
		<i>For Work In Restricted Working Space, Add</i>	14.98	
22 11 16 00-0693	EA	2" Crimped Copper Reducing Tee	110.78	37.75
		<i>For Work In Restricted Working Space, Add</i>	17.01	
22 11 16 00-0694	EA	2-1/2" Crimped Copper Reducing Tee	294.14	42.81
		<i>For Work In Restricted Working Space, Add</i>	19.46	
22 11 16 00-0695	EA	3" Crimped Copper Reducing Tee	358.52	51.89
		<i>For Work In Restricted Working Space, Add</i>	23.35	
22 11 16 00-0696	EA	4" Crimped Copper Reducing Tee	423.11	69.14
		<i>For Work In Restricted Working Space, Add</i>	31.13	
22 11 16 00-0697 Crimped Copper Couplings (22 11 16 00-0657)				
22 11 16 00-0698	EA	1/2" Crimped Copper Coupling	26.06	15.57
		<i>For Work In Restricted Working Space, Add</i>	7.01	
22 11 16 00-0699	EA	3/4" Crimped Copper Coupling	30.71	17.77
		<i>For Work In Restricted Working Space, Add</i>	7.98	
22 11 16 00-0700	EA	1" Crimped Copper Coupling	40.10	21.15
		<i>For Work In Restricted Working Space, Add</i>	9.53	
22 11 16 00-0701	EA	1-1/4" Crimped Copper Coupling	45.36	23.35
		<i>For Work In Restricted Working Space, Add</i>	10.51	
22 11 16 00-0702	EA	1-1/2" Crimped Copper Coupling	58.18	25.95
		<i>For Work In Restricted Working Space, Add</i>	11.68	
22 11 16 00-0703	EA	2" Crimped Copper Coupling	71.29	31.13
		<i>For Work In Restricted Working Space, Add</i>	14.01	
22 11 16 00-0704	EA	2-1/2" Crimped Copper Coupling	133.16	36.32
		<i>For Work In Restricted Working Space, Add</i>	16.34	
22 11 16 00-0705	EA	3" Crimped Copper Coupling	165.06	43.19
		<i>For Work In Restricted Working Space, Add</i>	19.46	
22 11 16 00-0706	EA	4" Crimped Copper Coupling	224.75	57.08
		<i>For Work In Restricted Working Space, Add</i>	25.68	
22 11 16 00-0707 Crimped Copper Reducing Couplings (22 11 16 00-0657)				
22 11 16 00-0708	EA	3/4" Crimped Copper Reducing Coupling	34.54	14.79
		<i>For Work In Restricted Working Space, Add</i>	6.66	
22 11 16 00-0709	EA	1" Crimped Copper Reducing Coupling	39.44	16.86
		<i>For Work In Restricted Working Space, Add</i>	7.59	
22 11 16 00-0710	EA	1-1/4" Crimped Copper Reducing Coupling	50.80	20.10
		<i>For Work In Restricted Working Space, Add</i>	9.07	
22 11 16 00-0711	EA	1-1/2" Crimped Copper Reducing Coupling	63.63	22.19
		<i>For Work In Restricted Working Space, Add</i>	10.00	
22 11 16 00-0712	EA	2" Crimped Copper Reducing Coupling	71.08	24.65
		<i>For Work In Restricted Working Space, Add</i>	11.09	
22 11 16 00-0713	EA	2-1/2" Crimped Copper FTG x C Reducing Coupling	137.06	29.45
		<i>For Work In Restricted Working Space, Add</i>	13.23	
22 11 16 00-0714	EA	3" Crimped Copper FTG x C Reducing Coupling	170.44	34.63
		<i>For Work In Restricted Working Space, Add</i>	15.57	
22 11 16 00-0715	EA	4" Crimped Copper FTG x C Reducing Coupling	221.70	45.79
		<i>For Work In Restricted Working Space, Add</i>	20.63	
22 11 16 00-0716 Crimped Copper Male Adapters (22 11 16 00-0657)				
22 11 16 00-0717	EA	1/2" Crimped Copper Male Adapter	26.67	15.57
		<i>For Work In Restricted Working Space, Add</i>	7.01	
22 11 16 00-0718	EA	3/4" Crimped Copper Male Adapter	32.61	17.77
		<i>For Work In Restricted Working Space, Add</i>	7.98	
22 11 16 00-0719	EA	1" Crimped Copper Male Adapter	42.81	21.15
		<i>For Work In Restricted Working Space, Add</i>	9.53	
22 11 16 00-0720	EA	1-1/4" Crimped Copper Male Adapter	59.20	23.35
		<i>For Work In Restricted Working Space, Add</i>	10.51	
22 11 16 00-0721	EA	1-1/2" Crimped Copper Male Adapter	72.84	25.95
		<i>For Work In Restricted Working Space, Add</i>	11.68	
22 11 16 00-0722	EA	2" Crimped Copper Male Adapter	112.02	31.13
		<i>For Work In Restricted Working Space, Add</i>	14.01	
22 11 16 00-0723	EA	2-1/2" Crimped Copper Male Adapter	212.46	36.32
		<i>For Work In Restricted Working Space, Add</i>	16.34	
22 11 16 00-0724	EA	3" Crimped Copper Male Adapter	263.61	43.19
		<i>For Work In Restricted Working Space, Add</i>	19.46	
22 11 16 00-0725	EA	4" Crimped Copper Male Adapter	315.67	57.08
		<i>For Work In Restricted Working Space, Add</i>	25.68	
22 11 16 00-0726 Crimped Copper Female Adapters (22 11 16 00-0657)				
22 11 16 00-0727	EA	1/2" Crimped Copper Female Adapter	27.36	15.57
		<i>For Work In Restricted Working Space, Add</i>	7.01	
22 11 16 00-0728	EA	3/4" Crimped Copper Female Adapter	33.12	17.77
		<i>For Work In Restricted Working Space, Add</i>	7.98	
22 11 16 00-0729	EA	1" Crimped Copper Female Adapter	43.82	21.15
		<i>For Work In Restricted Working Space, Add</i>	9.53	
22 11 16 00-0730	EA	1-1/4" Crimped Copper Female Adapter	62.21	23.35
		<i>For Work In Restricted Working Space, Add</i>	10.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0731	EA		1-1/2" Crimped Copper Female Adapter.....	78.46	25.95
			<i>For Work In Restricted Working Space, Add</i>	11.68	
22 11 16 00-0732	EA		2" Crimped Copper Female Adapter.....	113.83	31.13
			<i>For Work In Restricted Working Space, Add</i>	14.01	
22 11 16 00-0733 Crimped Copper Caps (22 11 16 00-0657)					
22 11 16 00-0734	EA		1/2" Crimped Copper Cap.....	17.49	7.79
			<i>For Work In Restricted Working Space, Add</i>	3.50	
22 11 16 00-0735	EA		3/4" Crimped Copper Cap.....	23.45	9.08
			<i>For Work In Restricted Working Space, Add</i>	4.09	
22 11 16 00-0736	EA		1" Crimped Copper Cap.....	30.72	10.37
			<i>For Work In Restricted Working Space, Add</i>	4.67	
22 11 16 00-0737	EA		1-1/4" Crimped Copper Cap.....	34.68	11.67
			<i>For Work In Restricted Working Space, Add</i>	5.26	
22 11 16 00-0738	EA		1-1/2" Crimped Copper Cap.....	46.69	13.36
			<i>For Work In Restricted Working Space, Add</i>	6.03	
22 11 16 00-0739	EA		2" Crimped Copper Cap.....	55.65	15.57
			<i>For Work In Restricted Working Space, Add</i>	7.01	
22 11 16 00-0740	EA		2-1/2" Crimped Copper Cap.....	130.54	18.16
			<i>For Work In Restricted Working Space, Add</i>	8.17	
22 11 16 00-0741	EA		3" Crimped Copper Cap.....	163.16	21.66
			<i>For Work In Restricted Working Space, Add</i>	9.73	
22 11 16 00-0742	EA		4" Crimped Copper Cap.....	217.02	28.53
			<i>For Work In Restricted Working Space, Add</i>	12.84	
22 11 16 00-0743 C x F NPT Crimped Bronze Unions (22 11 16 00-0657)					
22 11 16 00-0744	EA		1/2" C x F NPT Crimped Bronze Union.....	48.84	21.15
			<i>For Work In Restricted Working Space, Add</i>	9.53	
22 11 16 00-0745	EA		3/4" C x F NPT Crimped Bronze Union.....	60.92	26.07
			<i>For Work In Restricted Working Space, Add</i>	11.72	
22 11 16 00-0746	EA		1" C x F NPT Crimped Bronze Union.....	83.16	31.26
			<i>For Work In Restricted Working Space, Add</i>	14.05	
22 11 16 00-0747	EA		1-1/4" C x F NPT Crimped Bronze Union.....	100.18	36.06
			<i>For Work In Restricted Working Space, Add</i>	16.27	
22 11 16 00-0748	EA		1-1/2" C x F NPT Crimped Bronze Union.....	125.17	35.29
			<i>For Work In Restricted Working Space, Add</i>	15.88	
22 11 16 00-0749	EA		2" C x F NPT Crimped Bronze Union.....	172.26	51.11
			<i>For Work In Restricted Working Space, Add</i>	22.96	
22 11 16 00-0750 C x C Crimped Bronze Unions (22 11 16 00-0657)					
22 11 16 00-0751	EA		1/2" C x C Bronze Crimped Union.....	44.62	15.57
			<i>For Work In Restricted Working Space, Add</i>	7.01	
22 11 16 00-0752	EA		3/4" C x C Bronze Crimped Union.....	54.48	17.77
			<i>For Work In Restricted Working Space, Add</i>	7.98	
22 11 16 00-0753	EA		1" C x C Bronze Crimped Union.....	76.33	21.15
			<i>For Work In Restricted Working Space, Add</i>	9.53	
22 11 16 00-0754	EA		1-1/4" C x C Bronze Crimped Union.....	98.63	23.35
			<i>For Work In Restricted Working Space, Add</i>	10.51	
22 11 16 00-0755	EA		1-1/2" C x C Bronze Crimped Union.....	125.31	25.95
			<i>For Work In Restricted Working Space, Add</i>	11.68	
22 11 16 00-0756	EA		2" C x C Bronze Crimped Union.....	187.78	31.13
			<i>For Work In Restricted Working Space, Add</i>	14.01	
22 11 16 00-0757 C x Flange Crimped Bronze Flange (22 11 16 00-0657)					
22 11 16 00-0758	EA		2-1/2" C x Flange Crimped Bronze Flange.....	356.55	36.32
			<i>For Work In Restricted Working Space, Add</i>	16.34	
22 11 16 00-0759	EA		3" C x Flange Crimped Bronze Flange.....	389.99	43.19
			<i>For Work In Restricted Working Space, Add</i>	19.46	
22 11 16 00-0760	EA		4" C x Flange Crimped Bronze Flange.....	449.58	57.08
			<i>For Work In Restricted Working Space, Add</i>	25.68	
22 11 16 00-0761 Field Installed FKM Seals (22 11 16 00-0657)					
Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.					
22 11 16 00-0762	EA		1/2" Field Installed FKM Seal.....	7.54	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	1.75	
22 11 16 00-0763	EA		3/4" Field Installed FKM Seal.....	9.42	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	2.04	
22 11 16 00-0764	EA		1" Field Installed FKM Seal.....	10.80	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	2.34	
22 11 16 00-0765	EA		1-1/4" Field Installed FKM Seal.....	12.37	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	2.63	
22 11 16 00-0766	EA		1-1/2" Field Installed FKM Seal.....	16.88	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	3.02	
22 11 16 00-0767	EA		2" Field Installed FKM Seal.....	18.89	
			Note: To be used in conjunction with fittings.		
			<i>For Work In Restricted Working Space, Add</i>	3.50	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-0768	EA	2-1/2" Field Installed FKM Seal.....	27.37	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	4.09	
22 11 16 00-0769	EA	3" Field Installed FKM Seal.....	31.57	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	4.87	
22 11 16 00-0770	EA	4" Field Installed FKM Seal.....	42.87	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	6.42	

22 11 16 00-0771 Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0383)

22 11 16 00-0772	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	12.97	
22 11 16 00-0773	EA	3/4", Cut And Prepare Existing In Place Copper Pipe.....	14.01	
22 11 16 00-0774	EA	1", Cut And Prepare Existing In Place Copper Pipe.....	15.76	
22 11 16 00-0775	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	16.54	
22 11 16 00-0776	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	17.51	
22 11 16 00-0777	EA	2", Cut And Prepare Existing In Place Copper Pipe.....	19.27	
22 11 16 00-0778	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	20.76	
22 11 16 00-0779	EA	3", Cut And Prepare Existing In Place Copper Pipe.....	24.52	
22 11 16 00-0780	EA	4", Cut And Prepare Existing In Place Copper Pipe.....	33.08	
22 11 16 00-0781	EA	6", Cut And Prepare Existing In Place Copper Pipe.....	47.27	
22 11 16 00-0782	EA	8", Cut And Prepare Existing In Place Copper Pipe.....	63.04	

22 11 16 00-0783 Sweat Brass Companion Flanges (22 11 16 00-0383)

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0784	EA	1" Sweat Brass Companion Flange.....	63.89	19.95
22 11 16 00-0785	EA	1-1/4" Sweat Brass Companion Flange.....	69.78	21.97
22 11 16 00-0786	EA	1-1/2" Sweat Brass Companion Flange.....	97.41	23.89
22 11 16 00-0787	EA	2" Sweat Brass Companion Flange.....	128.61	26.51
22 11 16 00-0788	EA	2-1/2" Sweat Brass Companion Flange.....	160.75	31.89
22 11 16 00-0789	EA	3" Sweat Brass Companion Flange.....	179.64	41.80
22 11 16 00-0790	EA	4" Sweat Brass Companion Flange.....	237.81	49.81
22 11 16 00-0791	EA	5" Sweat Brass Companion Flange.....	445.26	58.33
22 11 16 00-0792	EA	6" Sweat Brass Companion Flange.....	522.50	84.75
22 11 16 00-0793	EA	8" Copper Companion Flange.....	1,165.42	120.89

22 11 16 00-0794 Brass Compression Fittings (22 11 16 00-0383)

22 11 16 00-0795 Brass Compression Unions (22 11 16 00-0794)

22 11 16 00-0796	EA	1/4" Brass Compression Union.....	22.09	14.01
22 11 16 00-0797	EA	3/8" Brass Compression Union.....	22.39	14.01
22 11 16 00-0798	EA	1/2" Brass Compression Union.....	23.30	14.01
22 11 16 00-0799	EA	5/8" Brass Compression Union.....	23.73	14.01
22 11 16 00-0800	EA	3/4" Brass Compression Union.....	32.89	14.01
22 11 16 00-0801	EA	3/8" x 1/4" Brass Compression Union.....	22.60	14.01
22 11 16 00-0802	EA	1/2" x 3/8" Brass Compression Union.....	23.37	14.01
22 11 16 00-0803	EA	5/8" x 3/8" Brass Compression Union.....	23.91	14.01
22 11 16 00-0804	EA	5/8" x 1/2" Brass Compression Union.....	24.77	14.01

22 11 16 00-0805 Brass Compression Union Elbows (22 11 16 00-0794)

22 11 16 00-0806	EA	1/4" Brass Compression Union Elbow.....	23.30	14.01
22 11 16 00-0807	EA	3/8" Brass Compression Union Elbow.....	23.79	14.01
22 11 16 00-0808	EA	1/2" Brass Compression Union Elbow.....	24.87	14.01
22 11 16 00-0809	EA	5/8" Brass Compression Union Elbow.....	26.54	14.01
22 11 16 00-0810	EA	3/4" Brass Compression Union Elbow.....	33.07	14.01
22 11 16 00-0811	EA	3/8" x 1/4" Brass Compression Union Elbow.....	23.79	14.01
22 11 16 00-0812	EA	1/2" x 3/8" Brass Compression Union Elbow.....	24.87	14.01
22 11 16 00-0813	EA	5/8" x 3/8" Brass Compression Union Elbow.....	25.17	14.01
22 11 16 00-0814	EA	5/8" x 1/2" Brass Compression Union Elbow.....	30.07	14.01

22 11 16 00-0815 Brass Compression Union Tees (22 11 16 00-0794)

22 11 16 00-0816	EA	1/4" Brass Compression Union Tee.....	23.67	14.01
22 11 16 00-0817	EA	3/8" Brass Compression Union Tee.....	24.69	14.01
22 11 16 00-0818	EA	1/2" Brass Compression Union Tee.....	25.77	14.01
22 11 16 00-0819	EA	5/8" Brass Compression Union Tee.....	29.18	14.01
22 11 16 00-0820	EA	3/4" Brass Compression Union Tee.....	40.96	14.01
22 11 16 00-0821	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee.....	25.41	14.01
22 11 16 00-0822	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee.....	30.94	14.01
22 11 16 00-0823	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee.....	30.41	14.01
22 11 16 00-0824	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee.....	31.03	14.01

22 11 16 00-0825 Brass Compression Male Connectors (22 11 16 00-0794)

22 11 16 00-0826	EA	1/4" Brass Compression Male Connector.....	21.88	14.01
22 11 16 00-0827	EA	3/8" Brass Compression Male Connector.....	22.27	14.01
22 11 16 00-0828	EA	1/2" Brass Compression Male Connector.....	22.95	14.01
22 11 16 00-0829	EA	5/8" Brass Compression Male Connector.....	23.97	14.01
22 11 16 00-0830	EA	3/4" Brass Compression Male Connector.....	29.32	13.88

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
22 11 16 00-0831	Brass Compression Female Connectors (22 11 16 00-0794)				
22 11 16 00-0832	EA 1/4" Brass Compression Female Connector.....		22.31		14.01
22 11 16 00-0833	EA 3/8" Brass Compression Female Connector.....		22.82		14.01
22 11 16 00-0834	EA 1/2" Brass Compression Female Connector.....		23.69		14.01
22 11 16 00-0835	EA 5/8" Brass Compression Female Connector.....		24.24		14.01
22 11 16 00-0836	EA 3/4" Brass Compression Female Connector.....		37.65		13.75
22 11 16 00-0837	Dielectric Fittings (22 11 16 00-0383)				
22 11 16 00-0838	Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)				
22 11 16 00-0839	EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union.....		54.34		31.13
22 11 16 00-0840	EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union.....		60.82		35.55
22 11 16 00-0841	EA 1" Copper x Female Iron Pipe Thread Dielectric Union.....		71.82		39.06
22 11 16 00-0842	EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union.....		86.30		43.00
22 11 16 00-0843	EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union.....		103.63		47.77
22 11 16 00-0844	EA 2" Copper x Female Iron Pipe Thread Dielectric Union.....		131.04		57.33
22 11 16 00-0845	Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)				
22 11 16 00-0846	EA 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....		59.17		31.13
22 11 16 00-0847	EA 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....		68.78		35.55
22 11 16 00-0848	EA 1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....		82.31		39.06
22 11 16 00-0849	EA 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....		100.21		43.00
22 11 16 00-0850	EA 1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....		120.84		47.77
22 11 16 00-0851	EA 2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....		151.22		57.33
22 11 16 00-0852	Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0837)				
22 11 16 00-0853	EA 1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....		56.11		31.13
22 11 16 00-0854	EA 3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....		63.73		35.55
22 11 16 00-0855	EA 1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....		72.59		39.06
22 11 16 00-0856	EA 1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....		83.61		43.00
22 11 16 00-0857	EA 1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....		100.96		47.77
22 11 16 00-0858	EA 2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....		128.90		57.33
22 11 16 00-0859	Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0837)				
22 11 16 00-0860	EA 2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....		320.34		147.39
22 11 16 00-0861	EA 3" Copper x Female Iron Pipe Thread Dielectric Flange.....		401.22		185.61
22 11 16 00-0862	EA 4" Copper x Female Iron Pipe Thread Dielectric Flange.....		564.11		252.62
22 11 16 00-0863	Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0837)				
22 11 16 00-0864	EA 2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....		322.32		147.39
22 11 16 00-0865	EA 3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....		417.06		185.61
22 11 16 00-0866	EA 4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....		746.76		252.62
22 11 16 00-0867	Brass Push-Fit Fittings (22 11 16)				
22 11 16 00-0868	EA 1/4" x 1/4" Brass Push-Fit Coupling..... Note: (Sharkbite)		27.87		12.97
22 11 16 00-0869	EA 3/8" x 3/8" Brass Push-Fit Coupling..... Note: (Sharkbite)		34.59		13.84
22 11 16 00-0870	EA 1/2" x 1/2" Brass Push-Fit Coupling..... Note: (Sharkbite)		35.85		15.57
22 11 16 00-0871	EA 5/8" x 5/8" Brass Push-Fit Coupling..... Note: (Sharkbite)		41.25		16.60
22 11 16 00-0872	EA 3/4" x 3/4" Brass Push-Fit Coupling..... Note: (Sharkbite)		42.06		17.73
22 11 16 00-0873	EA 1" x 1" Brass Push-Fit Coupling..... Note: (Sharkbite)		59.11		21.18
22 11 16 00-0874	EA 1/2" x 3/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)		35.22		14.70
22 11 16 00-0875	EA 3/4" x 5/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)		40.77		16.09
22 11 16 00-0876	EA 1" x 3/4" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)		60.73		19.46
22 11 16 00-0877	EA 1/4" x 1/4" Brass Push-Fit Elbow..... Note: (Sharkbite)		29.09		12.97
22 11 16 00-0878	EA 3/8" x 3/8" Brass Push-Fit Elbow..... Note: (Sharkbite)		39.77		13.84
22 11 16 00-0879	EA 1/2" x 1/2" Brass Push-Fit Elbow..... Note: (Sharkbite)		36.52		15.57
22 11 16 00-0880	EA 5/8" x 5/8" Brass Push-Fit Elbow..... Note: (Sharkbite)		44.26		16.60
22 11 16 00-0881	EA 3/4" x 3/4" Brass Push-Fit Elbow..... Note: (Sharkbite)		41.20		17.73
22 11 16 00-0882	EA 1" x 1" Brass Push-Fit Elbow..... Note: (Sharkbite)		59.77		21.18
22 11 16 00-0883	EA 1/2" x 3/8" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)		34.66		14.70
22 11 16 00-0884	EA 3/4" x 1/2" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)		38.63		16.09

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-0885	EA	1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	75.55	19.46
22 11 16 00-0886	EA	1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	44.13	19.46
22 11 16 00-0887	EA	3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	55.87	20.76
22 11 16 00-0888	EA	1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	51.17	23.35
22 11 16 00-0889	EA	5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	65.13	24.90
22 11 16 00-0890	EA	3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	59.69	26.59
22 11 16 00-0891	EA	1" x 1" x 1" Brass Push-Fit Tee Note: (Sharkbite)	81.60	31.78
22 11 16 00-0892	EA	1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	57.42	22.05
22 11 16 00-0893	EA	1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee Note: (Sharkbite)	57.74	22.48
22 11 16 00-0894	EA	3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee Note: (Sharkbite)	57.62	25.52
22 11 16 00-0895	EA	1" x 1" x 3/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	79.16	30.05
22 11 16 00-0896	EA	1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	33.17	14.27
22 11 16 00-0897	EA	3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	32.78	14.70
22 11 16 00-0898	EA	1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	32.40	15.57
22 11 16 00-0899	EA	3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	37.10	17.73
22 11 16 00-0900	EA	1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	52.14	21.18
22 11 16 00-0901	EA	1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	29.01	14.27
22 11 16 00-0902	EA	3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	32.78	14.70
22 11 16 00-0903	EA	1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	32.49	15.57
22 11 16 00-0904	EA	3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	36.73	17.73
22 11 16 00-0905	EA	5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	39.91	17.16
22 11 16 00-0906	EA	1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	47.89	19.46
22 11 16 00-0907	EA	1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	52.91	21.18
22 11 16 00-0908	EA	1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	46.79	15.57
22 11 16 00-0909	EA	3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	54.70	17.73
22 11 16 00-0910	EA	1" Brass Push-Fit Ball Valve Note: (Sharkbite)	72.26	21.18
22 11 16 00-0911	EA	1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	50.13	15.57
22 11 16 00-0912	EA	3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	60.34	17.73
22 11 16 00-0913	EA	1" Brass Push-Fit Check Valve Note: (Sharkbite)	101.60	21.18

22 11 16 00-0914 Copper Pipe With Fittings And Hangers Assemblies ^(22 11 16)

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

22 11 16 00-0915	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	26.24	3.63
		<i>For Type K Tubing Instead Of Type L, Add</i>	1.85	
		<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.53	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.34	
		<i>For For Brazed Fittings, Add</i>	0.81	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.33	
		<i>For Work In Restricted Working Space, Add</i>	6.09	
22 11 16 00-0916	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	30.68	4.67
		<i>For Type K Tubing Instead Of Type L, Add</i>	2.26	
		<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.84	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.83	
		<i>For For Brazed Fittings, Add</i>	0.92	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.68	
		<i>For Work In Restricted Working Space, Add</i>	6.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0917	LF		1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	34.23	5.57
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	2.73	
			For Type M Tubing Instead Of Type L, Deduct	-2.18	
			For Silver Solder Instead Of 95/5 Solder, Add	4.12	
			For For Brazed Fittings, Add	0.96	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.92	
			For Work In Restricted Working Space, Add	7.23	
22 11 16 00-0918	LF		1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	39.09	6.49
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	3.45	
			For Type M Tubing Instead Of Type L, Deduct	-2.69	
			For Silver Solder Instead Of 95/5 Solder, Add	4.46	
			For For Brazed Fittings, Add	1.00	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.21	
			For Work In Restricted Working Space, Add	7.51	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.41	
22 11 16 00-0919	LF		1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	43.91	7.40
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	4.07	
			For Type M Tubing Instead Of Type L, Deduct	-3.13	
			For Silver Solder Instead Of 95/5 Solder, Add	4.87	
			For For Brazed Fittings, Add	1.07	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.53	
			For Work In Restricted Working Space, Add	8.01	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.72	
22 11 16 00-0920	LF		2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	56.42	9.21
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	5.71	
			For Type M Tubing Instead Of Type L, Deduct	-4.31	
			For Silver Solder Instead Of 95/5 Solder, Add	5.89	
			For For Brazed Fittings, Add	1.23	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.36	
			For Work In Restricted Working Space, Add	9.22	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-2.57	
22 11 16 00-0921	LF		2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	70.31	11.11
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	7.83	
			For Type M Tubing Instead Of Type L, Deduct	-5.80	
			For Silver Solder Instead Of 95/5 Solder, Add	6.81	
			For For Brazed Fittings, Add	1.32	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.16	
			For Work In Restricted Working Space, Add	9.89	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-3.74	
22 11 16 00-0922	LF		3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	86.33	12.90
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	10.26	
			For Type M Tubing Instead Of Type L, Deduct	-7.50	
			For Silver Solder Instead Of 95/5 Solder, Add	7.89	
			For For Brazed Fittings, Add	1.43	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.10	
			For Work In Restricted Working Space, Add	10.71	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-5.06	
22 11 16 00-0923	LF		4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	136.31	17.08
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	17.57	
			For Type M Tubing Instead Of Type L, Deduct	-12.67	
			For Silver Solder Instead Of 95/5 Solder, Add	11.43	
			For For Brazed Fittings, Add	1.85	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.12	
			For Work In Restricted Working Space, Add	13.85	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-9.02	
22 11 16 00-0924	LF		5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	238.79	21.26
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	33.68	
			For Type M Tubing Instead Of Type L, Deduct	-23.92	
			For Silver Solder Instead Of 95/5 Solder, Add	17.86	
			For For Brazed Fittings, Add	2.37	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.90	
			For Work In Restricted Working Space, Add	17.77	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-17.96	
22 11 16 00-0925	LF		6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	311.97	25.68
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	44.30	
			For Type M Tubing Instead Of Type L, Deduct	-31.42	
			For Silver Solder Instead Of 95/5 Solder, Add	23.12	
			For For Brazed Fittings, Add	3.01	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-19.36	
			For Work In Restricted Working Space, Add	22.57	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-23.67	

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22 11 16 00-0926	LF	8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	650.84	30.70
Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.				
For Type K Tubing Instead Of Type L, Add			100.94	
For Type M Tubing Instead Of Type L, Deduct			-70.62	
For Silver Solder Instead Of 95/5 Solder, Add			41.89	
For For Brazed Fittings, Add			3.74	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct			-37.22	
For Work In Restricted Working Space, Add			28.05	
For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct			-55.73	

22 11 16 00-0927 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16)
 Note: Socket weld.

22 11 16 00-0928 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0927)
22 11 16 00-0929 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0928)

22 11 16 00-0930	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.31	1.91
For Work In Restricted Working Space, Add			1.43	
22 11 16 00-0931	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	7.13	2.00
For Work In Restricted Working Space, Add			1.50	
22 11 16 00-0932	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	8.51	2.16
For Work In Restricted Working Space, Add			1.62	
22 11 16 00-0933	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	10.19	2.36
For Work In Restricted Working Space, Add			1.77	
22 11 16 00-0934	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	11.71	2.61
For Work In Restricted Working Space, Add			1.96	
22 11 16 00-0935	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	14.48	2.92
For Work In Restricted Working Space, Add			2.18	
22 11 16 00-0936	LF	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	19.28	3.31
For Work In Restricted Working Space, Add			2.48	
22 11 16 00-0937	LF	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	24.49	3.92
For Work In Restricted Working Space, Add			2.93	
22 11 16 00-0938	LF	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	33.61	4.81
For Work In Restricted Working Space, Add			3.61	
22 11 16 00-0939	LF	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	57.03	6.12
For Work In Restricted Working Space, Add			4.59	
22 11 16 00-0940	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	81.61	8.02
For Work In Restricted Working Space, Add			6.02	

22 11 16 00-0941 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0928)

22 11 16 00-0942	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	25.12	9.08
For Work In Restricted Working Space, Add			6.81	
22 11 16 00-0943	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	32.43	11.46
For Work In Restricted Working Space, Add			8.60	
22 11 16 00-0944	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	41.90	14.33
For Work In Restricted Working Space, Add			10.79	
22 11 16 00-0945	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	56.37	17.92
For Work In Restricted Working Space, Add			13.47	
22 11 16 00-0946	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	62.61	19.83
For Work In Restricted Working Space, Add			14.90	
22 11 16 00-0947	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	72.86	19.83
For Work In Restricted Working Space, Add			16.63	
22 11 16 00-0948	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	108.48	25.20
For Work In Restricted Working Space, Add			18.92	
22 11 16 00-0949	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	123.88	29.87
For Work In Restricted Working Space, Add			22.36	
22 11 16 00-0950	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	174.03	36.67
For Work In Restricted Working Space, Add			27.52	
22 11 16 00-0951	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	219.73	46.58
For Work In Restricted Working Space, Add			34.97	
22 11 16 00-0952	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	405.37	61.15
For Work In Restricted Working Space, Add			45.87	

22 11 16 00-0953 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0928)

22 11 16 00-0954	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	26.33	9.08
For Work In Restricted Working Space, Add			6.81	
22 11 16 00-0955	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	33.88	11.46
For Work In Restricted Working Space, Add			8.60	
22 11 16 00-0956	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	44.25	14.33
For Work In Restricted Working Space, Add			10.79	
22 11 16 00-0957	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	59.46	17.92
For Work In Restricted Working Space, Add			13.47	
22 11 16 00-0958	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	66.38	19.83
For Work In Restricted Working Space, Add			14.90	
22 11 16 00-0959	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	74.13	22.22
For Work In Restricted Working Space, Add			16.63	
22 11 16 00-0960	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	109.28	25.20
For Work In Restricted Working Space, Add			18.92	
22 11 16 00-0961	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	123.78	29.87
For Work In Restricted Working Space, Add			22.36	
22 11 16 00-0962	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	159.29	36.67
For Work In Restricted Working Space, Add			27.52	

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22 11 16 00-0963	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	247.38 34.97	46.58
22 11 16 00-0964	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	424.95 45.87	61.15
22 11 16 00-0965 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0928)					
22 11 16 00-0966	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	38.44 10.21	13.62
22 11 16 00-0967	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	50.02 12.90	17.20
22 11 16 00-0968	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	62.62 16.19	21.62
22 11 16 00-0969	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	85.57 20.21	27.00
22 11 16 00-0970	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	95.39 22.36	29.87
22 11 16 00-0971	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	114.25 24.94	33.21
22 11 16 00-0972	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	145.72 28.38	37.87
22 11 16 00-0973	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	167.42 33.54	44.67
22 11 16 00-0974	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	203.31 41.28	55.06
22 11 16 00-0975	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	303.25 52.46	70.00
22 11 16 00-0976	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	596.89 68.80	91.73
22 11 16 00-0977 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0928)					
22 11 16 00-0978	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	49.18 13.62	18.16
22 11 16 00-0979	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	63.38 17.20	22.93
22 11 16 00-0980	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	79.34 21.57	28.79
22 11 16 00-0981	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	105.50 26.95	35.95
22 11 16 00-0982	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	117.35 29.81	39.77
22 11 16 00-0983	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	137.64 33.25	44.31
22 11 16 00-0984	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	170.16 37.84	50.40
22 11 16 00-0985	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	196.97 44.72	59.60
22 11 16 00-0986	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	240.05 55.04	73.34
22 11 16 00-0987	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	343.73 69.95	93.28
22 11 16 00-0988	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	622.36 91.73	122.31
22 11 16 00-0989 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0928)					
22 11 16 00-0990	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	22.47 6.31	8.36
22 11 16 00-0991	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	31.12 8.49	11.34
22 11 16 00-0992	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	49.92 11.11	14.81
22 11 16 00-0993	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	56.19 12.29	16.37
22 11 16 00-0994	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	65.74 13.73	18.28
22 11 16 00-0995	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	72.07 15.62	20.79
22 11 16 00-0996	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	87.11 18.45	24.60
22 11 16 00-0997	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	116.74 22.72	30.22
22 11 16 00-0998	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	183.53 28.85	38.46
22 11 16 00-0999	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	389.02 37.84	50.40
22 11 16 00-1000 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0928)					
22 11 16 00-1001	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	24.40 4.48	5.97

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22 11 16 00-1002	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	31.23	8.36
		<i>For Work In Restricted Working Space, Add</i>	6.31	
22 11 16 00-1003	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	39.25	11.34
		<i>For Work In Restricted Working Space, Add</i>	8.49	
22 11 16 00-1004	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	49.22	14.81
		<i>For Work In Restricted Working Space, Add</i>	11.11	
22 11 16 00-1005	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	57.23	16.37
		<i>For Work In Restricted Working Space, Add</i>	12.29	
22 11 16 00-1006	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	70.91	18.28
		<i>For Work In Restricted Working Space, Add</i>	13.73	
22 11 16 00-1007	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	105.86	20.79
		<i>For Work In Restricted Working Space, Add</i>	15.62	
22 11 16 00-1008	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	201.99	24.60
		<i>For Work In Restricted Working Space, Add</i>	18.45	
22 11 16 00-1009	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert.....	297.13	30.22
		<i>For Work In Restricted Working Space, Add</i>	22.72	

22 11 16 00-1010 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0928)

22 11 16 00-1011	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	18.56	5.97
		<i>For Work In Restricted Working Space, Add</i>	4.48	
22 11 16 00-1012	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	25.92	8.36
		<i>For Work In Restricted Working Space, Add</i>	6.31	
22 11 16 00-1013	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	36.56	11.34
		<i>For Work In Restricted Working Space, Add</i>	8.49	
22 11 16 00-1014	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	49.22	14.81
		<i>For Work In Restricted Working Space, Add</i>	11.11	
22 11 16 00-1015	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	57.47	16.37
		<i>For Work In Restricted Working Space, Add</i>	12.29	
22 11 16 00-1016	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	68.06	18.28
		<i>For Work In Restricted Working Space, Add</i>	13.73	
22 11 16 00-1017	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	94.31	20.79
		<i>For Work In Restricted Working Space, Add</i>	15.62	
22 11 16 00-1018	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	112.57	24.60
		<i>For Work In Restricted Working Space, Add</i>	18.45	
22 11 16 00-1019	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	162.05	30.22
		<i>For Work In Restricted Working Space, Add</i>	22.72	

22 11 16 00-1020 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters (22 11 16 00-0928)

22 11 16 00-1021	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	19.94	5.97
		<i>For Work In Restricted Working Space, Add</i>	4.48	
22 11 16 00-1022	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	26.36	8.36
		<i>For Work In Restricted Working Space, Add</i>	6.31	
22 11 16 00-1023	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	36.68	11.34
		<i>For Work In Restricted Working Space, Add</i>	8.49	
22 11 16 00-1024	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	49.62	14.81
		<i>For Work In Restricted Working Space, Add</i>	11.11	
22 11 16 00-1025	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	55.62	16.37
		<i>For Work In Restricted Working Space, Add</i>	12.29	
22 11 16 00-1026	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	66.55	18.28
		<i>For Work In Restricted Working Space, Add</i>	13.73	
22 11 16 00-1027	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	95.18	20.79
		<i>For Work In Restricted Working Space, Add</i>	15.62	
22 11 16 00-1028	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	127.82	24.60
		<i>For Work In Restricted Working Space, Add</i>	18.45	
22 11 16 00-1029	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	187.98	30.22
		<i>For Work In Restricted Working Space, Add</i>	22.72	

22 11 16 00-1030 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 11 16 00-0928)

22 11 16 00-1031	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	16.71	5.50
		<i>For Work In Restricted Working Space, Add</i>	4.09	
22 11 16 00-1032	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	23.48	7.64
		<i>For Work In Restricted Working Space, Add</i>	5.73	
22 11 16 00-1033	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	31.56	10.27
		<i>For Work In Restricted Working Space, Add</i>	7.70	
22 11 16 00-1034	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	42.45	13.50
		<i>For Work In Restricted Working Space, Add</i>	10.10	
22 11 16 00-1035	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	48.31	14.93
		<i>For Work In Restricted Working Space, Add</i>	11.18	
22 11 16 00-1036	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	54.39	16.60
		<i>For Work In Restricted Working Space, Add</i>	12.47	
22 11 16 00-1037	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	78.07	18.87
		<i>For Work In Restricted Working Space, Add</i>	14.19	
22 11 16 00-1038	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	86.97	22.34
		<i>For Work In Restricted Working Space, Add</i>	16.77	
22 11 16 00-1039	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	109.51	27.47
		<i>For Work In Restricted Working Space, Add</i>	20.64	
22 11 16 00-1040	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	167.75	35.00
		<i>For Work In Restricted Working Space, Add</i>	26.23	

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22 11 16 00-1041	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	277.42 34.40	45.87
22 11 16 00-1042			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions (22 11 16 00-0928)		
22 11 16 00-1043	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	29.54 4.91	6.57
22 11 16 00-1044	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	36.74 6.88	9.20
22 11 16 00-1045	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	45.05 9.24	12.30
22 11 16 00-1046	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	73.86 12.11	16.13
22 11 16 00-1047	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	78.77 13.40	17.92
22 11 16 00-1048	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	106.50 14.98	19.95
22 11 16 00-1049	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	174.03 17.02	22.70
22 11 16 00-1050	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	244.40 20.14	26.88
22 11 16 00-1051	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	383.89 24.76	32.97
22 11 16 00-1052	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	511.87 31.46	41.92
22 11 16 00-1053	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	634.76 41.28	55.06
22 11 16 00-1054			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0928)		
22 11 16 00-1055	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	13.39 2.56	5.62
22 11 16 00-1056	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	17.67 3.23	7.05
22 11 16 00-1057	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	25.72 4.05	8.84
22 11 16 00-1058	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	30.25 5.05	6.68
22 11 16 00-1059	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	32.30 5.59	7.41
22 11 16 00-1060	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	42.80 6.24	8.36
22 11 16 00-1061	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	63.28 7.09	9.43
22 11 16 00-1062	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	68.50 8.39	11.22
22 11 16 00-1063	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	102.78 10.32	13.74
22 11 16 00-1064	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	213.90 13.12	17.43
22 11 16 00-1065	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	275.85 17.20	22.93
22 11 16 00-1066			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges (22 11 16 00-0928)		
22 11 16 00-1067	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i>	22.63 3.26	4.30
22 11 16 00-1068	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i>	27.89 4.59	6.09
22 11 16 00-1069	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i>	34.58 6.16	8.24
22 11 16 00-1070	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i>	41.44 8.10	10.75
22 11 16 00-1071	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i>	44.65 8.96	11.95
22 11 16 00-1072	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i>	52.86 9.96	13.26
22 11 16 00-1073	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i>	68.55 11.36	15.17
22 11 16 00-1074	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i>	78.13 13.40	17.92
22 11 16 00-1075	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i>	97.45 16.52	21.97
22 11 16 00-1076	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i>	136.65 21.00	27.95
22 11 16 00-1077	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges <i>For Work In Restricted Working Space, Add</i>	242.09 27.52	36.67
22 11 16 00-1078			Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe (22 11 16)		
22 11 16 00-1079			Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe (22 11 16 00-1078)		
			Note: Aquatherm greenpipe®		
22 11 16 00-1080	LF		1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe <i>For Work In Restricted Working Space, Add</i>	5.39 6.24	2.03
22 11 16 00-1081	LF		3/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe <i>For Work In Restricted Working Space, Add</i>	6.24 8.39	2.12
22 11 16 00-1082	LF		1" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe <i>For Work In Restricted Working Space, Add</i>	8.39 10.44	2.54
22 11 16 00-1083	LF		1-1/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe <i>For Work In Restricted Working Space, Add</i>	10.44 12.59	2.72

MINOR
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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-1084	LF	1-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	14.27	3.06
22 11 16 00-1085	LF	2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	18.68	3.12
22 11 16 00-1086	LF	2-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	26.60	4.23
22 11 16 00-1087	LF	3" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	35.10	4.90
22 11 16 00-1088	LF	3-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	46.95	5.48
22 11 16 00-1089	LF	4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	55.40	6.05

22 11 16 00-1090 Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe (22 11

16 00-1078)

Note: Aquatherm greenpipe®.

22 11 16 00-1091	LF	1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	4.97	2.03
22 11 16 00-1092	LF	3/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	5.55	2.12
22 11 16 00-1093	LF	1" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	7.15	2.54
22 11 16 00-1094	LF	1-1/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	8.62	2.72
22 11 16 00-1095	LF	1-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	11.10	3.06
22 11 16 00-1096	LF	2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	14.18	3.12
22 11 16 00-1097	LF	2-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	19.67	4.23
22 11 16 00-1098	LF	3" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	25.96	4.90
22 11 16 00-1099	LF	3-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	35.47	5.48
22 11 16 00-1100	LF	4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	41.80	6.05

22 11 16 00-1101 Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe (22 11 16 00-1078)

Note: Aquatherm greenpipe®.

22 11 16 00-1102	LF	1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	5.61	2.03
22 11 16 00-1103	LF	3/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	6.54	2.12
22 11 16 00-1104	LF	1" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	8.72	2.54
22 11 16 00-1105	LF	1-1/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	10.86	2.72
22 11 16 00-1106	LF	1-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	15.50	3.06
22 11 16 00-1107	LF	2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	19.35	3.12
22 11 16 00-1108	LF	2-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	27.55	4.23
22 11 16 00-1109	LF	3" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	37.48	4.90
22 11 16 00-1110	LF	3-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	46.82	5.48
22 11 16 00-1111	LF	4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	55.03	6.05

22 11 16 00-1112 Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe (22 11

16 00-1078)

Note: Aquatherm climatherm®.

22 11 16 00-1113	LF	1/2" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	4.96	2.03
22 11 16 00-1114	LF	3/4" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	5.63	2.12
22 11 16 00-1115	LF	1" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	6.69	2.54
22 11 16 00-1116	LF	1-1/4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	7.97	2.72
22 11 16 00-1117	LF	1-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	9.93	3.06
22 11 16 00-1118	LF	2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	12.40	3.12
22 11 16 00-1119	LF	2-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	17.23	4.23
22 11 16 00-1120	LF	3" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	22.56	4.90
22 11 16 00-1121	LF	3-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	29.88	5.49
22 11 16 00-1122	LF	4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	35.85	6.05
22 11 16 00-1123	LF	6" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	43.20	7.74
22 11 16 00-1124	LF	8" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	68.62	10.17

22 11 16 00-1125 Pipe Clamp For Polypropylene Random (PP-R) Pipe (22 11 16 00-1078)

22 11 16 00-1126	EA	1/2" Pipe Clamp For Polypropylene Pipe.....	13.60	5.02
22 11 16 00-1127	EA	3/4" Pipe Clamp For Polypropylene Pipe.....	14.14	5.02
22 11 16 00-1128	EA	1" Pipe Clamp For Polypropylene Pipe.....	14.51	5.02
22 11 16 00-1129	EA	1-1/4" Pipe Clamp For Polypropylene Pipe.....	14.63	5.02
22 11 16 00-1130	EA	1-1/2" Pipe Clamp For Polypropylene Pipe.....	15.05	5.02
22 11 16 00-1131	EA	2" Pipe Clamp For Polypropylene Pipe.....	16.26	5.02
22 11 16 00-1132	EA	2-1/2" Pipe Clamp For Polypropylene Pipe.....	18.01	5.02
22 11 16 00-1133	EA	3" Pipe Clamp For Polypropylene Pipe.....	18.61	5.02
22 11 16 00-1134	EA	3-1/2" Pipe Clamp For Polypropylene Pipe.....	19.46	5.02
22 11 16 00-1135	EA	4" Pipe Clamp For Polypropylene Pipe.....	20.60	5.02

22 11 16 00-1136 Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap (22 11 16 00-1078)

22 11 16 00-1137	EA	Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike.....	4.65	
22 11 16 00-1138	EA	Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike.....	4.80	
22 11 16 00-1139	EA	Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike.....	4.87	
22 11 16 00-1140	EA	Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike.....	4.93	

22 11 16 00-1141 Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp (22 11 16 00-1078)

22 11 16 00-1142	EA	1/2" Polypropylene Pipe Plastic Pipe Clamp.....	11.08	2.61
22 11 16 00-1143	EA	3/4" Polypropylene Pipe Plastic Pipe Clamp.....	11.45	2.61

22 11 16 00-1144 Polypropylene Random (PP-R), Heat Fusion, Socket Coupling (22 11 16 00-1078)

22 11 16 00-1145	EA	1/2" Polypropylene, Heat Fusion, Socket Coupling.....	9.64	4.06
22 11 16 00-1146	EA	3/4" Polypropylene, Heat Fusion, Socket Coupling.....	10.18	4.23
22 11 16 00-1147	EA	1" Polypropylene, Heat Fusion, Socket Coupling.....	12.42	5.08
22 11 16 00-1148	EA	1-1/4" Polypropylene, Heat Fusion, Socket Coupling.....	13.59	5.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1149	EA		1-1/2" Polypropylene, Heat Fusion, Socket Coupling	17.89	6.11
22 11 16 00-1150	EA		2" Polypropylene, Heat Fusion, Socket Coupling	23.80	6.23
22 11 16 00-1151	EA		2-1/2" Polypropylene, Heat Fusion, Socket Coupling	29.63	8.47
22 11 16 00-1152	EA		3" Polypropylene, Heat Fusion, Socket Coupling	47.49	9.80
22 11 16 00-1153	EA		3-1/2" Polypropylene, Heat Fusion, Socket Coupling	67.26	10.95
22 11 16 00-1154	EA		4" Polypropylene, Heat Fusion, Socket Coupling	83.72	12.10
22 11 16 00-1155 Polypropylene Random (PP-R), Heat Fusion, Bushing (22 11 16 00-1078)					
22 11 16 00-1156	EA		1" Polypropylene, Heat Fusion, Bushing.....	10.39	4.06
22 11 16 00-1157	EA		1-1/4" Polypropylene, Heat Fusion, Bushing	11.98	4.23
22 11 16 00-1158	EA		1-1/2" Polypropylene, Heat Fusion, Bushing	15.98	5.08
22 11 16 00-1159	EA		2" Polypropylene, Heat Fusion, Bushing.....	22.50	5.44
22 11 16 00-1160	EA		2-1/2" Polypropylene, Heat Fusion, Bushing	25.22	6.11
22 11 16 00-1161	EA		3" Polypropylene, Heat Fusion, Bushing.....	41.40	6.23
22 11 16 00-1162	EA		3-1/2" Polypropylene, Heat Fusion, Bushing	63.21	8.47
22 11 16 00-1163	EA		4" x 2-1/2" Polypropylene, Heat Fusion, Bushing	76.06	9.80
22 11 16 00-1164	EA		4" x 3" Polypropylene, Heat Fusion, Bushing.....	92.12	10.95
22 11 16 00-1165	EA		4" x 3-1/2" Polypropylene, Heat Fusion, Bushing	96.52	12.10
22 11 16 00-1166 Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling (22 11 16 00-1078)					
22 11 16 00-1167	EA		1-1/4" Polypropylene, Heat Fusion, Reducing Coupling	13.89	4.23
22 11 16 00-1168	EA		1-1/2" Polypropylene, Heat Fusion, Reducing Coupling	18.35	5.08
22 11 16 00-1169	EA		2" Polypropylene, Heat Fusion, Reducing Coupling	27.21	5.44
22 11 16 00-1170	EA		2-1/2" Polypropylene, Heat Fusion, Reducing Coupling	30.16	6.11
22 11 16 00-1171	EA		3" Polypropylene, Heat Fusion, Reducing Coupling	36.64	6.23
22 11 16 00-1172	EA		3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	58.88	8.47
22 11 16 00-1173	EA		4" x 3" Polypropylene, Heat Fusion, Reducing Coupling	76.40	10.29
22 11 16 00-1174	EA		4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	85.65	12.10
22 11 16 00-1175 Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow (22 11 16 00-1078)					
22 11 16 00-1176	EA		1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	17.85	8.11
22 11 16 00-1177	EA		3/4" Polypropylene, Heat Fusion, 90 Degree Elbow	19.17	8.53
22 11 16 00-1178	EA		1" Polypropylene, Heat Fusion, 90 Degree Elbow	23.36	10.17
22 11 16 00-1179	EA		1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow	26.58	10.95
22 11 16 00-1180	EA		1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	34.40	12.16
22 11 16 00-1181	EA		2" Polypropylene, Heat Fusion, 90 Degree Elbow	40.29	12.40
22 11 16 00-1182	EA		2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	68.33	17.00
22 11 16 00-1183	EA		3" Polypropylene, Heat Fusion, 90 Degree Elbow	96.27	19.60
22 11 16 00-1184	EA		3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	124.85	21.90
22 11 16 00-1185	EA		4" Polypropylene, Heat Fusion, 90 Degree Elbow	173.25	24.20
22 11 16 00-1186 Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow (22 11 16 00-1078)					
22 11 16 00-1187	EA		1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	17.85	8.11
22 11 16 00-1188	EA		3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	19.17	8.53
22 11 16 00-1189	EA		1" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	23.36	10.17
22 11 16 00-1190	EA		1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	26.58	10.95
22 11 16 00-1191 Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow (22 11 16 00-1078)					
22 11 16 00-1192	EA		1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	17.85	8.11
22 11 16 00-1193	EA		3/4" Polypropylene, Heat Fusion, 45 Degree Elbow	19.17	8.53
22 11 16 00-1194	EA		1" Polypropylene, Heat Fusion, 45 Degree Elbow	23.36	10.17
22 11 16 00-1195	EA		1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow	26.58	10.95
22 11 16 00-1196	EA		1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	34.40	12.16
22 11 16 00-1197	EA		2" Polypropylene, Heat Fusion, 45 Degree Elbow	40.11	12.40
22 11 16 00-1198	EA		2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	67.91	17.00
22 11 16 00-1199	EA		3" Polypropylene, Heat Fusion, 45 Degree Elbow	101.83	19.60
22 11 16 00-1200	EA		3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	132.97	21.90
22 11 16 00-1201	EA		4" Polypropylene, Heat Fusion, 45 Degree Elbow	185.70	24.20
22 11 16 00-1202 Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow (22 11 16 00-1078)					
22 11 16 00-1203	EA		1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	17.83	8.11
22 11 16 00-1204	EA		3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	19.17	8.53
22 11 16 00-1205	EA		1" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	23.36	10.17
22 11 16 00-1206	EA		1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	26.58	10.95
22 11 16 00-1207 Polypropylene Random (PP-R), Heat Fusion, Tee (22 11 16 00-1078)					
22 11 16 00-1208	EA		1/2" Polypropylene, Heat Fusion, Tee	26.53	12.16
22 11 16 00-1209	EA		3/4" Polypropylene, Heat Fusion, Tee	28.57	12.77
22 11 16 00-1210	EA		1" Polypropylene, Heat Fusion, Tee	34.23	15.18
22 11 16 00-1211	EA		1-1/4" Polypropylene, Heat Fusion, Tee	38.69	16.40
22 11 16 00-1212	EA		1-1/2" Polypropylene, Heat Fusion, Tee	53.39	18.27
22 11 16 00-1213	EA		2" Polypropylene, Heat Fusion, Tee	61.41	18.63
22 11 16 00-1214	EA		2-1/2" Polypropylene, Heat Fusion, Tee	91.38	25.47
22 11 16 00-1215	EA		3" Polypropylene, Heat Fusion, Tee	125.57	29.40
22 11 16 00-1216	EA		3-1/2" Polypropylene, Heat Fusion, Tee	169.72	32.82
22 11 16 00-1217	EA		4" Polypropylene, Heat Fusion, Tee	210.82	36.24

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 11 16 00-1218 Polypropylene Random (PP-R), Heat Fusion, Reducing Tee (22 11 16 00-1078)			
22 11 16 00-1219	EA	1/2" Polypropylene, Heat Fusion, Reducing Tee	26.53 12.16
22 11 16 00-1220	EA	3/4" Polypropylene, Heat Fusion, Reducing Tee	28.57 12.77
22 11 16 00-1221	EA	1" Polypropylene, Heat Fusion, Reducing Tee	34.18 15.18
22 11 16 00-1222	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Tee	38.69 16.40
22 11 16 00-1223	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Tee	53.39 18.27
22 11 16 00-1224	EA	2" Polypropylene, Heat Fusion, Reducing Tee	59.95 18.63
22 11 16 00-1225	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Tee	87.92 25.47
22 11 16 00-1226	EA	3" Polypropylene, Heat Fusion, Reducing Tee	132.94 29.40
22 11 16 00-1227	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Tee	181.48 32.82
22 11 16 00-1228	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee	206.64 36.24
22 11 16 00-1229	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Tee	211.29 36.24
22 11 16 00-1230	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee	211.82 36.24
22 11 16 00-1231 Polypropylene Random (PP-R), Heat Fusion, End Cap (22 11 16 00-1078)			
22 11 16 00-1232	EA	1/2" Polypropylene, Heat Fusion, End Cap	10.51 4.06
22 11 16 00-1233	EA	3/4" Polypropylene, Heat Fusion, End Cap	11.51 4.23
22 11 16 00-1234	EA	1" Polypropylene, Heat Fusion, End Cap	13.86 5.08
22 11 16 00-1235	EA	1-1/4" Polypropylene, Heat Fusion, End Cap	16.70 5.44
22 11 16 00-1236	EA	1-1/2" Polypropylene, Heat Fusion, End Cap	20.23 6.11
22 11 16 00-1237	EA	2" Polypropylene, Heat Fusion, End Cap	25.87 6.23
22 11 16 00-1238	EA	2-1/2" Polypropylene, Heat Fusion, End Cap	36.38 8.47
22 11 16 00-1239	EA	3" Polypropylene, Heat Fusion, End Cap	63.51 9.80
22 11 16 00-1240	EA	3-1/2" Polypropylene, Heat Fusion, End Cap	74.72 10.95
22 11 16 00-1241	EA	4" Polypropylene, Heat Fusion, End Cap	104.64 12.10
22 11 16 00-1242 Polypropylene Random (PP-R), Heat Fusion Outlet (22 11 16 00-1078)			
22 11 16 00-1243	EA	1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet	13.10
22 11 16 00-1244	EA	1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet	13.47
22 11 16 00-1245	EA	1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	13.67
22 11 16 00-1246	EA	1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	14.04
22 11 16 00-1247	EA	2" x 1/2" Polypropylene, Heat Fusion Outlet	14.61
22 11 16 00-1248	EA	2" x 3/4" Polypropylene, Heat Fusion Outlet	14.98
22 11 16 00-1249	EA	2" x 1" Polypropylene, Heat Fusion Outlet	16.79
22 11 16 00-1250	EA	2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	15.56
22 11 16 00-1251	EA	2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	15.93
22 11 16 00-1252	EA	2-1/2" x 1" Polypropylene, Heat Fusion Outlet	17.74
22 11 16 00-1253	EA	2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	18.59
22 11 16 00-1254	EA	3" x 1/2" Polypropylene, Heat Fusion Outlet	16.50
22 11 16 00-1255	EA	3" x 3/4" Polypropylene, Heat Fusion Outlet	16.87
22 11 16 00-1256	EA	3" x 1" Polypropylene, Heat Fusion Outlet	18.68
22 11 16 00-1257	EA	3" x 1-1/4" Polypropylene, Heat Fusion Outlet	19.53
22 11 16 00-1258	EA	3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	16.50
22 11 16 00-1259	EA	3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	17.81
22 11 16 00-1260	EA	3-1/2" x 1" Polypropylene, Heat Fusion Outlet	19.62
22 11 16 00-1261	EA	3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	20.47
22 11 16 00-1262	EA	3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet	24.18
22 11 16 00-1263	EA	4" x 1/2" Polypropylene, Heat Fusion Outlet	18.39
22 11 16 00-1264	EA	4" x 3/4" Polypropylene, Heat Fusion Outlet	18.76
22 11 16 00-1265	EA	4" x 1" Polypropylene, Heat Fusion Outlet	20.57
22 11 16 00-1266	EA	4" x 1-1/4" Polypropylene, Heat Fusion Outlet	21.42
22 11 16 00-1267	EA	4" x 1-1/2" Polypropylene, Heat Fusion Outlet	24.18
22 11 16 00-1268	EA	4" x 2" Polypropylene, Heat Fusion Outlet	28.42
22 11 16 00-1269 Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included (22 11 16 00-1078)			
22 11 16 00-1270	EA	1" Polypropylene, Flange Adaptor With Gaskets Included	15.47 5.08
22 11 16 00-1271	EA	1-1/4" Polypropylene, Flange Adaptor With Gaskets Included	17.14 5.44
22 11 16 00-1272	EA	1-1/2" Polypropylene, Flange Adaptor With Gaskets Included	22.00 6.11
22 11 16 00-1273	EA	2" Polypropylene, Flange Adaptor With Gaskets Included	23.49 6.23
22 11 16 00-1274	EA	2-1/2" Polypropylene, Flange Adaptor With Gaskets Included	32.38 8.47
22 11 16 00-1275	EA	3" Polypropylene, Flange Adaptor With Gaskets Included	50.99 9.80
22 11 16 00-1276	EA	3-1/2" Polypropylene, Flange Adaptor With Gaskets Included	68.66 10.95
22 11 16 00-1277	EA	4" Polypropylene, Flange Adaptor With Gaskets Included	143.30 12.10
22 11 16 00-1278 Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern (22 11 16 00-1078)			
22 11 16 00-1279	EA	1" Polypropylene, Flange Ring With ANSI Bolt Pattern	25.15
22 11 16 00-1280	EA	1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern	33.17
22 11 16 00-1281	EA	1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	41.37
22 11 16 00-1282	EA	2" Polypropylene, Flange Ring With ANSI Bolt Pattern	49.13
22 11 16 00-1283	EA	2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	68.64
22 11 16 00-1284	EA	3" Polypropylene, Flange Ring With ANSI Bolt Pattern	79.67
22 11 16 00-1285	EA	3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	98.65
22 11 16 00-1286	EA	4" Polypropylene, Flange Ring With ANSI Bolt Pattern	119.44
22 11 16 00-1287 Polypropylene Random (PP-R), Electrofusion Coupling (22 11 16 00-1078)			
22 11 16 00-1288	EA	1/2" Polypropylene, Electrofusion Coupling	55.69 8.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1289	EA		3/4" Polypropylene, Electrofusion Coupling.....	58.09	8.53
22 11 16 00-1290	EA		1" Polypropylene, Electrofusion Coupling.....	66.27	10.17
22 11 16 00-1291	EA		1-1/4" Polypropylene, Electrofusion Coupling.....	68.59	10.95
22 11 16 00-1292	EA		1-1/2" Polypropylene, Electrofusion Coupling.....	74.68	12.16
22 11 16 00-1293	EA		2" Polypropylene, Electrofusion Coupling.....	97.82	12.40
22 11 16 00-1294	EA		2-1/2" Polypropylene, Electrofusion Coupling.....	120.52	17.00
22 11 16 00-1295	EA		3" Polypropylene, Electrofusion Coupling.....	149.63	19.60
22 11 16 00-1296	EA		3-1/2" Polypropylene, Electrofusion Coupling.....	200.62	21.90
22 11 16 00-1297	EA		4" Polypropylene, Electrofusion Coupling.....	245.76	24.20
22 11 16 00-1298 Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow (22 11 16 00-1078)					
22 11 16 00-1299	EA		1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	31.04	11.13
22 11 16 00-1300	EA		3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	36.23	11.55
22 11 16 00-1301 Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow (22 11 16 00-1078)					
22 11 16 00-1302	EA		1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow	33.15	11.13
22 11 16 00-1303 Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test (22 11 16 00-1078)					
22 11 16 00-1304	EA		1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test.....	9.30	4.06
22 11 16 00-1305	EA		3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test.....	10.02	4.23
22 11 16 00-1306 Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece (22 11 16 00-1078)					
22 11 16 00-1307	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	23.73	8.11
22 11 16 00-1308	EA		1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	26.11	8.11
22 11 16 00-1309	EA		3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	24.58	8.53
22 11 16 00-1310	EA		3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	26.96	8.53
22 11 16 00-1311	EA		1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece.....	31.21	10.17
22 11 16 00-1312 Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece (22 11 16 00-1078)					
22 11 16 00-1313	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	28.00	8.11
22 11 16 00-1314	EA		1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	30.02	8.11
22 11 16 00-1315	EA		3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	28.85	8.53
22 11 16 00-1316	EA		3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	30.87	8.53
22 11 16 00-1317	EA		1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	36.23	10.17
22 11 16 00-1318	EA		1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	52.63	10.17
22 11 16 00-1319	EA		1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	55.82	10.95
22 11 16 00-1320	EA		1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	72.94	10.95
22 11 16 00-1321	EA		1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	77.06	12.16
22 11 16 00-1322	EA		1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	83.52	12.16
22 11 16 00-1323	EA		2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	89.66	12.40
22 11 16 00-1324	EA		2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	116.48	12.40
22 11 16 00-1325	EA		2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece.....	129.69	17.00
22 11 16 00-1326 Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece (22 11 16 00-1078)					
22 11 16 00-1327	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	33.91	8.11
22 11 16 00-1328	EA		1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	36.44	8.11
22 11 16 00-1329	EA		3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	34.76	8.53
22 11 16 00-1330	EA		3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	37.29	8.53
22 11 16 00-1331	EA		1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece.....	44.21	10.17
22 11 16 00-1332 Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece (22 11 16 00-1078)					
22 11 16 00-1333	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	29.19	8.11
22 11 16 00-1334	EA		1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	31.04	8.11
22 11 16 00-1335	EA		3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	31.89	8.53
22 11 16 00-1336	EA		1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	45.18	10.17
22 11 16 00-1337	EA		1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	62.18	10.17
22 11 16 00-1338	EA		1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	47.67	10.95
22 11 16 00-1339	EA		1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	66.43	10.95
22 11 16 00-1340	EA		1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	70.32	12.16
22 11 16 00-1341	EA		1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	80.99	12.16
22 11 16 00-1342	EA		2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	91.95	12.40
22 11 16 00-1343	EA		2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	103.33	12.40
22 11 16 00-1344	EA		2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	114.40	17.00
22 11 16 00-1345	EA		2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	154.36	17.00
22 11 16 00-1346	EA		3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	226.92	19.60
22 11 16 00-1347	EA		3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece.....	428.65	21.90

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-1348	Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow (22 11 16 00-1078)				
22 11 16 00-1349	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	29.34	8.11	
22 11 16 00-1350	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	24.99	8.11	
22 11 16 00-1351	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	30.19	8.53	
22 11 16 00-1352	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	25.84	8.53	
22 11 16 00-1353	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	34.86	10.17	
22 11 16 00-1354	EA	1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	51.78	10.17	
22 11 16 00-1355	Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow (22 11 16 00-1078)				
22 11 16 00-1356	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow	24.99	8.11	
22 11 16 00-1357	Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow (22 11 16 00-1078)				
22 11 16 00-1358	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	27.17	8.11	
22 11 16 00-1359	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	28.57	8.11	
22 11 16 00-1360	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	29.42	8.53	
22 11 16 00-1361	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	36.47	10.17	
22 11 16 00-1362	EA	1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	49.04	10.17	
22 11 16 00-1363	Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee (22 11 16 00-1078)				
22 11 16 00-1364	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	34.71	12.16	
22 11 16 00-1365	EA	1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	38.16	12.16	
22 11 16 00-1366	EA	3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	35.92	12.77	
22 11 16 00-1367	EA	3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	39.37	12.77	
22 11 16 00-1368	EA	1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	46.51	15.18	
22 11 16 00-1369	EA	1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	61.96	15.18	
22 11 16 00-1370	EA	1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	72.12	18.27	
22 11 16 00-1371	Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee (22 11 16 00-1078)				
22 11 16 00-1372	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee	37.03	12.16	
22 11 16 00-1373	Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting (22 11 16 00-1078)				
22 11 16 00-1374	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting	24.76	4.06	
22 11 16 00-1375	Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT (22 11 16 00-1078)				
22 11 16 00-1376	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	21.87		
22 11 16 00-1377	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	27.73		
22 11 16 00-1378	EA	1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	37.93		
22 11 16 00-1379	Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT (22 11 16 00-1078)				
22 11 16 00-1380	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	25.24		
22 11 16 00-1381	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	33.97		
22 11 16 00-1382	Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor (22 11 16 00-1078)				
22 11 16 00-1383	EA	1/2" Polypropylene, Heat Fusion, PEX Adaptor	17.87	4.06	
22 11 16 00-1384	EA	3/4" Polypropylene, Heat Fusion, PEX Adaptor	26.26	4.23	
22 11 16 00-1385	EA	1" Polypropylene, Heat Fusion, PEX Adaptor	34.28	5.08	
22 11 16 00-1386	Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body (22 11 16 00-1078)				
22 11 16 00-1387	EA	1/2" Polypropylene, Heat Fusion, FIP Stop Valve Body	25.31	8.89	
22 11 16 00-1388	EA	3/4" Polypropylene, Heat Fusion, FIP Stop Valve Body	26.28	9.38	
22 11 16 00-1389	EA	1" Polypropylene, Heat Fusion, FIP Stop Valve Body	36.65	11.13	
22 11 16 00-1390	EA	1-1/4" Polypropylene, Heat Fusion, FIP Stop Valve Body	54.86	12.04	
22 11 16 00-1391	Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve (22 11 16 00-1078)				
22 11 16 00-1392	EA	1/2" Polypropylene, Heat Fusion, Inclined Check Valve	68.79	8.89	
22 11 16 00-1393	EA	3/4" Polypropylene, Heat Fusion, Inclined Check Valve	69.76	9.38	
22 11 16 00-1394	EA	1" Polypropylene, Heat Fusion, Inclined Check Valve	83.34	11.13	
22 11 16 00-1395	EA	1-1/4" Polypropylene, Heat Fusion, Inclined Check Valve	135.03	12.04	
22 11 16 00-1396	Polypropylene Random (PP-R), Heat Fusion, Ball Valve (22 11 16 00-1078)				
22 11 16 00-1397	EA	1/2" Polypropylene, Heat Fusion, Ball Valve	63.79	8.89	
22 11 16 00-1398	EA	3/4" Polypropylene, Heat Fusion, Ball Valve	70.56	9.38	
22 11 16 00-1399	EA	1" Polypropylene, Heat Fusion, Ball Valve	85.51	11.13	
22 11 16 00-1400	EA	1-1/4" Polypropylene, Heat Fusion, Ball Valve	119.72	12.04	
22 11 16 00-1401	EA	1-1/2" Polypropylene, Heat Fusion, Ball Valve	172.93	13.37	
22 11 16 00-1402	EA	2" Polypropylene, Heat Fusion, Ball Valve	261.18	13.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1403			Extension For Ball Valve (22 11 16 00-1078)		
22 11 16 00-1404	EA		Extension For 1/2" to 3/4" Ball Valve, 1-3/8" Length.....	32.32	
22 11 16 00-1405	EA		Extension For 1" to 1-1/4" Ball Valve, 1-3/8" Length.....	32.37	
22 11 16 00-1406	EA		Extension For 1-1/2" to 2" Ball Valve, 1-3/4" Length.....	35.33	
22 11 16 00-1407			Polypropylene Random (PP-R), Heat Fusion, Draining Branch (22 11 16 00-1078)		
22 11 16 00-1408	EA		1/2" Polypropylene, Heat Fusion, Draining Branch.....	31.96	8.11
22 11 16 00-1409	EA		3/4" Polypropylene, Heat Fusion, Draining Branch.....	32.81	8.53
22 11 16 00-1410	EA		1" Polypropylene, Heat Fusion, Draining Branch.....	37.74	10.17
22 11 16 00-1411	EA		1-1/4" Polypropylene, Heat Fusion, Draining Branch.....	39.32	10.95
22 11 16 00-1412	EA		1-1/2" Polypropylene, Heat Fusion, Draining Branch.....	43.19	12.16
22 11 16 00-1413	EA		2" Polypropylene, Heat Fusion, Draining Branch.....	46.21	12.40
22 11 16 00-1414			Red Brass Pipe And Fittings (22 11 16)		
			Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
22 11 16 00-1415			Schedule 40 Red Brass Pipe (22 11 16 00-1414)		
22 11 16 00-1416	LF		1/2" Schedule 40 Red Brass Pipe.....	30.71	2.51
22 11 16 00-1417	LF		3/4" Schedule 40 Red Brass Pipe.....	40.57	2.51
22 11 16 00-1418	LF		1" Schedule 40 Red Brass Pipe.....	55.23	2.51
22 11 16 00-1419	LF		1-1/4" Schedule 40 Red Brass Pipe.....	80.85	2.75
22 11 16 00-1420	LF		1-1/2" Schedule 40 Red Brass Pipe.....	93.08	2.99
22 11 16 00-1421	LF		2" Schedule 40 Red Brass Pipe.....	119.25	3.58
22 11 16 00-1422	LF		2-1/2" Schedule 40 Red Brass Pipe.....	173.26	4.06
22 11 16 00-1423	LF		3" Schedule 40 Red Brass Pipe.....	244.58	4.30
22 11 16 00-1424	LF		4" Schedule 40 Red Brass Pipe.....	350.39	4.30
22 11 16 00-1425			125 LB Cast Bronze, Screwed, 90 Degree Elbows (22 11 16 00-1414)		
22 11 16 00-1426	EA		1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	68.89	29.74
22 11 16 00-1427	EA		3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	77.98	32.72
22 11 16 00-1428	EA		1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	97.75	38.70
22 11 16 00-1429	EA		1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	116.31	41.56
22 11 16 00-1430	EA		1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	130.11	44.55
22 11 16 00-1431	EA		2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	161.22	47.54
22 11 16 00-1432	EA		2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	271.61	59.48
22 11 16 00-1433	EA		3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	375.88	71.31
22 11 16 00-1434	EA		4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow.....	662.39	95.07
22 11 16 00-1435			125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows (22 11 16 00-1414)		
22 11 16 00-1436	EA		1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	72.04	29.74
22 11 16 00-1437	EA		3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	82.56	32.72
22 11 16 00-1438	EA		1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	107.33	38.70
22 11 16 00-1439	EA		1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	128.88	41.56
22 11 16 00-1440	EA		1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	147.41	44.55
22 11 16 00-1441	EA		2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	198.99	47.54
22 11 16 00-1442	EA		2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	303.08	59.48
22 11 16 00-1443	EA		3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	472.61	71.31
22 11 16 00-1444	EA		4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow.....	936.11	95.07
22 11 16 00-1445			125 LB Cast Bronze, Screwed, 45 Degree Elbows (22 11 16 00-1414)		
22 11 16 00-1446	EA		1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	70.49	29.74
22 11 16 00-1447	EA		3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	81.11	32.72
22 11 16 00-1448	EA		1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	104.05	38.70
22 11 16 00-1449	EA		1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	125.75	41.56
22 11 16 00-1450	EA		1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	142.68	44.55
22 11 16 00-1451	EA		2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	181.67	47.54
22 11 16 00-1452	EA		2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	284.15	59.48
22 11 16 00-1453	EA		3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	397.36	71.31
22 11 16 00-1454	EA		4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow.....	872.51	95.07
22 11 16 00-1455			125 Lb. Cast Bronze, Screwed, Tees (22 11 16 00-1414)		
22 11 16 00-1456	EA		1/2", 125 Lb., Cast Bronze, Screwed, Tee.....	100.20	44.55
22 11 16 00-1457	EA		3/4", 125 Lb., Cast Bronze, Screwed, Tee.....	113.21	48.73
22 11 16 00-1458	EA		1", 125 Lb., Cast Bronze, Screwed, Tee.....	143.68	57.69
22 11 16 00-1459	EA		1-1/4", 125 Lb., Cast Bronze, Screwed, Tee.....	173.65	62.47
22 11 16 00-1460	EA		1-1/2", 125 Lb., Cast Bronze, Screwed, Tee.....	188.26	66.52
22 11 16 00-1461	EA		2", 125 Lb., Cast Bronze, Screwed, Tee.....	233.95	71.31
22 11 16 00-1462	EA		2-1/2", 125 Lb., Cast Bronze, Screwed, Tee.....	386.11	89.22
22 11 16 00-1463	EA		3", 125 Lb., Cast Bronze, Screwed, Tee.....	531.62	107.02
22 11 16 00-1464	EA		4", 125 Lb., Cast Bronze, Screwed, Tee.....	1,072.29	142.61
22 11 16 00-1465			125 Lb. Cast Bronze, Screwed, Reducing Tees (22 11 16 00-1414)		
22 11 16 00-1466	EA		1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee.....	104.91	44.55
22 11 16 00-1467	EA		3/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee.....	116.39	48.73
22 11 16 00-1468	EA		1", 125 Lb., Cast Bronze, Screwed, Reducing Tee.....	156.27	57.69

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 16 00-1469	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee.....	183.09	62.47
22 11 16 00-1470	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee.....	213.44	66.52
22 11 16 00-1471	EA	2", 125 Lb., Cast Bronze, Screwed, Reducing Tee.....	273.30	71.31
22 11 16 00-1472	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee.....	462.63	89.22
22 11 16 00-1473	EA	3", 125 Lb., Cast Bronze, Screwed, Reducing Tee.....	864.17	107.02
22 11 16 00-1474	EA	4", 125 Lb., Cast Bronze, Screwed, Reducing Tee.....	1,334.60	142.61

22 11 16 00-1475 125 Lb. Cast Bronze, Screwed, Crosses (22 11 16 00-1414)

22 11 16 00-1476	EA	1/2", 125 Lb., Cast Bronze, Screwed, Cross.....	140.94	59.48
22 11 16 00-1477	EA	3/4", 125 Lb., Cast Bronze, Screwed, Cross.....	162.26	65.34
22 11 16 00-1478	EA	1", 125 Lb., Cast Bronze, Screwed, Cross.....	203.37	77.27
22 11 16 00-1479	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Cross.....	249.03	83.25
22 11 16 00-1480	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Cross.....	292.09	89.22
22 11 16 00-1481	EA	2", 125 Lb., Cast Bronze, Screwed, Cross.....	417.65	95.07
22 11 16 00-1482	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Cross.....	668.05	118.85
22 11 16 00-1483	EA	3", 125 Lb., Cast Bronze, Screwed, Cross.....	916.49	142.61
22 11 16 00-1484	EA	4", 125 Lb., Cast Bronze, Screwed, Cross.....	1,671.29	190.27

22 11 16 00-1485 125 Lb. Cast Bronze, Screwed, Caps (22 11 16 00-1414)

22 11 16 00-1486	EA	1/2" 125 Lb. Cast Bronze, Screwed, Cap	33.03	17.68
22 11 16 00-1487	EA	3/4" 125 Lb. Cast Bronze, Screwed, Cap	37.32	19.47
22 11 16 00-1488	EA	1" 125 Lb. Cast Bronze, Screwed, Cap	49.06	22.93
22 11 16 00-1489	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Cap	62.62	24.72
22 11 16 00-1490	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Cap	73.21	26.51
22 11 16 00-1491	EA	2" 125 Lb. Cast Bronze, Screwed, Cap	99.47	28.30
22 11 16 00-1492	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Cap	157.36	35.35
22 11 16 00-1493	EA	3" 125 Lb. Cast Bronze, Screwed, Cap	224.78	42.40
22 11 16 00-1494	EA	4" 125 Lb. Cast Bronze, Screwed, Cap	391.82	56.50

22 11 16 00-1495 125 Lb. Cast Bronze, Screwed, Couplings (22 11 16 00-1414)

22 11 16 00-1496	EA	1/2" 125 Lb. Cast Bronze, Screwed, Coupling	67.34	29.74
22 11 16 00-1497	EA	3/4" 125 Lb. Cast Bronze, Screwed, Coupling	76.43	32.72
22 11 16 00-1498	EA	1" 125 Lb. Cast Bronze, Screwed, Coupling	96.17	38.70
22 11 16 00-1499	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Coupling	114.71	41.56
22 11 16 00-1500	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Coupling	130.11	44.55
22 11 16 00-1501	EA	2" 125 Lb. Cast Bronze, Screwed, Coupling	162.80	47.54
22 11 16 00-1502	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Coupling	229.08	59.48
22 11 16 00-1503	EA	3" 125 Lb. Cast Bronze, Screwed, Coupling	295.38	71.31
22 11 16 00-1504	EA	4" 125 Lb. Cast Bronze, Screwed, Coupling	504.99	95.07

22 11 16 00-1505 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers (22 11 16 00-1414)

22 11 16 00-1506	EA	1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	59.09	23.77
22 11 16 00-1507	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	67.44	26.75
22 11 16 00-1508	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	91.44	35.71
22 11 16 00-1509	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	108.66	38.70
22 11 16 00-1510	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	122.77	41.56
22 11 16 00-1511	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	147.66	44.55
22 11 16 00-1512	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	214.00	56.50
22 11 16 00-1513	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	259.16	65.34
22 11 16 00-1514	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer.....	446.94	86.23

22 11 16 00-1515 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers (22 11 16 00-1414)

22 11 16 00-1516	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	60.39	23.77
22 11 16 00-1517	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	107.67	32.72
22 11 16 00-1518	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	140.25	35.71
22 11 16 00-1519	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	163.76	38.70
22 11 16 00-1520	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	217.47	44.55
22 11 16 00-1521	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	333.03	56.50
22 11 16 00-1522	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	401.15	59.48
22 11 16 00-1523	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer.....	456.80	77.27

22 11 16 00-1524 125 Lb. Cast Bronze, FIP Threaded, Unions (22 11 16 00-1414)

22 11 16 00-1525	EA	1/2" 125 Lb. Cast Bronze, FIP Threaded, Union.....	72.73	23.77
		For 150 Lb., Add	10.07	
22 11 16 00-1526	EA	3/4" 125 Lb. Cast Bronze, FIP Threaded, Union.....	86.93	26.16
		For 150 Lb., Add	13.85	
22 11 16 00-1527	EA	1" 125 Lb. Cast Bronze, FIP Threaded, Union.....	107.48	30.93
		For 150 Lb., Add	18.26	
22 11 16 00-1528	EA	1-1/4" 125 Lb. Cast Bronze, FIP Threaded, Union.....	132.66	33.33
		For 150 Lb., Add	26.43	
22 11 16 00-1529	EA	1-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union.....	150.07	35.71
		For 150 Lb., Add	31.49	
22 11 16 00-1530	EA	2" 125 Lb. Cast Bronze, FIP Threaded, Union.....	177.01	40.37
		For 150 Lb., Add	38.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1531	EA	2-1/2"	125 Lb. Cast Bronze, FIP Threaded, Union	304.34	59.72
			For 150 Lb., Add	73.96	
			For 250 Lb., Add	157.17	
			For 300 Lb., Add	221.88	
22 11 16 00-1532	EA	3"	125 Lb. Cast Bronze, FIP Threaded, Union.....	442.74	78.53
			For 150 Lb., Add	114.27	
			For 250 Lb., Add	242.82	
			For 300 Lb., Add	342.80	
22 11 16 00-1533	EA	4"	125 Lb. Cast Bronze, FIP Threaded, Union.....	804.16	86.95
			For 150 Lb., Add	252.05	
			For 250 Lb., Add	535.61	
			For 300 Lb., Add	756.16	
22 11 16 00-1534 125 Lb. Cast Bronze, Screwed, Companion Flanges (22 11 16 00-1414)					
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.					
22 11 16 00-1535	EA	1/2"	125 Lb. Cast Bronze, Screwed, Companion Flange.....	198.98	29.74
22 11 16 00-1536	EA	3/4"	125 Lb. Cast Bronze, Screwed, Companion Flange.....	217.30	35.71
22 11 16 00-1537	EA	1"	125 Lb. Cast Bronze, Screwed, Companion Flange.....	249.18	41.56
22 11 16 00-1538	EA	1-1/4"	125 Lb. Cast Bronze, Screwed, Companion Flange.....	283.76	44.55
22 11 16 00-1539	EA	1-1/2"	125 Lb. Cast Bronze, Screwed, Companion Flange.....	335.47	47.54
22 11 16 00-1540	EA	2"	125 Lb. Cast Bronze, Screwed, Companion Flange.....	421.58	50.52
22 11 16 00-1541	EA	2-1/2"	125 Lb. Cast Bronze, Screwed, Companion Flange.....	530.97	59.48
22 11 16 00-1542	EA	3"	125 Lb. Cast Bronze, Screwed, Companion Flange.....	657.99	74.30
22 11 16 00-1543	EA	4"	125 Lb. Cast Bronze, Screwed, Companion Flange.....	937.77	104.03
22 11 16 00-1544 125 Lb. Cast Bronze, Screwed, Square Head Plugs (22 11 16 00-1414)					
22 11 16 00-1545	EA	1/2"	125 Lb. Cast Bronze, Screwed, Square Head Plug.....	20.08	
22 11 16 00-1546	EA	3/4"	125 Lb. Cast Bronze, Screwed, Square Head Plug.....	20.59	
22 11 16 00-1547	EA	1"	125 Lb. Cast Bronze, Screwed, Square Head Plug.....	31.70	
22 11 16 00-1548	EA	1-1/4"	125 Lb. Cast Bronze, Screwed, Square Head Plug.....	36.44	
22 11 16 00-1549	EA	1-1/2"	125 Lb. Cast Bronze, Screwed, Square Head Plug.....	41.32	
22 11 16 00-1550	EA	2"	125 Lb. Cast Bronze, Screwed, Square Head Plug.....	61.89	
22 11 16 00-1551	EA	2-1/2"	125 Lb. Cast Bronze, Screwed, Square Head Plug.....	93.25	
22 11 16 00-1552	EA	3"	125 Lb. Cast Bronze, Screwed, Square Head Plug.....	136.10	
22 11 16 00-1553	EA	4"	125 Lb. Cast Bronze, Screwed, Square Head Plug.....	227.29	
22 11 16 00-1554 125 Lb. Cast Bronze, Screwed, Counter Sunk Plugs (22 11 16 00-1414)					
22 11 16 00-1555	EA	1/2"	125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	7.89	
22 11 16 00-1556	EA	3/4"	125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	9.44	
22 11 16 00-1557	EA	1"	125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	14.19	
22 11 16 00-1558	EA	1-1/4"	125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	22.05	
22 11 16 00-1559	EA	1-1/2"	125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	34.92	
22 11 16 00-1560	EA	2"	125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	54.12	
22 11 16 00-1561	EA	2-1/2"	125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	105.33	
22 11 16 00-1562	EA	3"	125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	170.59	
22 11 16 00-1563	EA	4"	125 Lb. Cast Bronze, Screwed, Counter Sunk Plug.....	416.06	
22 11 16 00-1564 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings (22 11 16 00-1414)					
22 11 16 00-1565	EA	1/2"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	6.28	
22 11 16 00-1566	EA	3/4"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	7.89	
22 11 16 00-1567	EA	1"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	11.04	
22 11 16 00-1568	EA	1-1/4"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	18.90	
22 11 16 00-1569	EA	1-1/2"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	26.78	
22 11 16 00-1570	EA	2"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	33.09	
22 11 16 00-1571	EA	2-1/2"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	83.43	
22 11 16 00-1572	EA	3"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	122.81	
22 11 16 00-1573	EA	4"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	268.99	
22 11 16 00-1574 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings (22 11 16 00-1414)					
22 11 16 00-1575	EA	1/2"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	11.04	
22 11 16 00-1576	EA	3/4"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	15.72	
22 11 16 00-1577	EA	1"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	27.41	
22 11 16 00-1578	EA	1-1/4"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	37.22	
22 11 16 00-1579	EA	1-1/2"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	46.53	
22 11 16 00-1580	EA	2"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	58.63	
22 11 16 00-1581	EA	2-1/2"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	119.70	
22 11 16 00-1582	EA	3"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	189.39	
22 11 16 00-1583	EA	4"	125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing.....	397.98	
22 11 16 00-1584 1/2" Red Brass Pipe Nipples (22 11 16 00-1414)					
Note: Threaded both ends.					
22 11 16 00-1585	EA	1/2"	x Close, Red Brass Pipe Nipple.....	10.57	
22 11 16 00-1586	EA	1/2"	x 1-1/2" Long, Red Brass Pipe Nipple	12.37	
22 11 16 00-1587	EA	1/2"	x 2" Long, Red Brass Pipe Nipple	15.15	
22 11 16 00-1588	EA	1/2"	x 2-1/2" Long, Red Brass Pipe Nipple	18.00	
22 11 16 00-1589	EA	1/2"	x 3" Long, Red Brass Pipe Nipple	20.85	
22 11 16 00-1590	EA	1/2"	x 3-1/2" Long, Red Brass Pipe Nipple	24.61	
22 11 16 00-1591	EA	1/2"	x 4" Long, Red Brass Pipe Nipple	27.60	

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-1592	EA	1/2" x 4-1/2" Long, Red Brass Pipe Nipple	30.31
22 11 16 00-1593	EA	1/2" x 5" Long, Red Brass Pipe Nipple.....	33.16
22 11 16 00-1594	EA	1/2" x 5-1/2" Long, Red Brass Pipe Nipple	36.29
22 11 16 00-1595	EA	1/2" x 6" Long, Red Brass Pipe Nipple.....	39.07

22 11 16 00-1596 3/4" Red Brass Pipe Nipples (22 11 16 00-1414)

Note: Threaded both ends.

22 11 16 00-1597	EA	3/4" x Close, Red Brass Pipe Nipple.....	15.43
22 11 16 00-1598	EA	3/4" x 1-1/2" Long, Red Brass Pipe Nipple	16.27
22 11 16 00-1599	EA	3/4" x 2" Long, Red Brass Pipe Nipple.....	19.67
22 11 16 00-1600	EA	3/4" x 2-1/2" Long, Red Brass Pipe Nipple	23.15
22 11 16 00-1601	EA	3/4" x 3" Long, Red Brass Pipe Nipple.....	26.28
22 11 16 00-1602	EA	3/4" x 3-1/2" Long, Red Brass Pipe Nipple	30.17
22 11 16 00-1603	EA	3/4" x 4" Long, Red Brass Pipe Nipple.....	33.92
22 11 16 00-1604	EA	3/4" x 4-1/2" Long, Red Brass Pipe Nipple	38.09
22 11 16 00-1605	EA	3/4" x 5" Long, Red Brass Pipe Nipple.....	41.57
22 11 16 00-1606	EA	3/4" x 5-1/2" Long, Red Brass Pipe Nipple	47.89
22 11 16 00-1607	EA	3/4" x 6" Long, Red Brass Pipe Nipple.....	50.33

22 11 16 00-1608 1" Red Brass Pipe Nipples (22 11 16 00-1414)

Note: Threaded both ends.

22 11 16 00-1609	EA	1" x Close, Red Brass Pipe Nipple.....	23.49
22 11 16 00-1610	EA	1" x 1-1/2" Long, Red Brass Pipe Nipple	25.85
22 11 16 00-1611	EA	1" x 2" Long, Red Brass Pipe Nipple.....	28.22
22 11 16 00-1612	EA	1" x 2-1/2" Long, Red Brass Pipe Nipple	33.57
22 11 16 00-1613	EA	1" x 3" Long, Red Brass Pipe Nipple.....	37.95
22 11 16 00-1614	EA	1" x 3-1/2" Long, Red Brass Pipe Nipple	44.70
22 11 16 00-1615	EA	1" x 4" Long, Red Brass Pipe Nipple.....	50.05
22 11 16 00-1616	EA	1" x 4-1/2" Long, Red Brass Pipe Nipple	55.33
22 11 16 00-1617	EA	1" x 5" Long, Red Brass Pipe Nipple.....	60.75
22 11 16 00-1618	EA	1" x 5-1/2" Long, Red Brass Pipe Nipple	66.45
22 11 16 00-1619	EA	1" x 6" Long, Red Brass Pipe Nipple.....	71.74

22 11 16 00-1620 1-1/4" Red Brass Pipe Nipples (22 11 16 00-1414)

Note: Threaded both ends.

22 11 16 00-1621	EA	1-1/4" x Close, Red Brass Pipe Nipple	34.76
22 11 16 00-1622	EA	1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple	37.04
22 11 16 00-1623	EA	1-1/4" x 2" Long, Red Brass Pipe Nipple.....	39.83
22 11 16 00-1624	EA	1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple	47.96
22 11 16 00-1625	EA	1-1/4" x 3" Long, Red Brass Pipe Nipple	56.03
22 11 16 00-1626	EA	1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple	65.76
22 11 16 00-1627	EA	1-1/4" x 4" Long, Red Brass Pipe Nipple.....	73.82
22 11 16 00-1628	EA	1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple	81.88
22 11 16 00-1629	EA	1-1/4" x 5" Long, Red Brass Pipe Nipple.....	90.02
22 11 16 00-1630	EA	1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple	98.50
22 11 16 00-1631	EA	1-1/4" x 6" Long, Red Brass Pipe Nipple	106.56

22 11 16 00-1632 1-1/2" Red Brass Pipe Nipples (22 11 16 00-1414)

Note: Threaded both ends.

22 11 16 00-1633	EA	1-1/2" x Close, Red Brass Pipe Nipple	43.24
22 11 16 00-1634	EA	1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple	45.12
22 11 16 00-1635	EA	1-1/2" x 2" Long, Red Brass Pipe Nipple.....	46.99
22 11 16 00-1636	EA	1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple	57.14
22 11 16 00-1637	EA	1-1/2" x 3" Long, Red Brass Pipe Nipple.....	64.79
22 11 16 00-1638	EA	1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple	76.18
22 11 16 00-1639	EA	1-1/2" x 4" Long, Red Brass Pipe Nipple.....	85.78
22 11 16 00-1640	EA	1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple	95.72
22 11 16 00-1641	EA	1-1/2" x 5" Long, Red Brass Pipe Nipple.....	105.31
22 11 16 00-1642	EA	1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple	114.69
22 11 16 00-1643	EA	1-1/2" x 6" Long, Red Brass Pipe Nipple	124.08

22 11 16 00-1644 2" Red Brass Pipe Nipples (22 11 16 00-1414)

Note: Threaded both ends.

22 11 16 00-1645	EA	2" x Close, Red Brass Pipe Nipple.....	66.45
22 11 16 00-1646	EA	2" x 1-1/2" Long, Red Brass Pipe Nipple	68.78
22 11 16 00-1647	EA	2" x 2" Long, Red Brass Pipe Nipple.....	71.08
22 11 16 00-1648	EA	2" x 2-1/2" Long, Red Brass Pipe Nipple	73.40
22 11 16 00-1649	EA	2" x 3" Long, Red Brass Pipe Nipple.....	83.14
22 11 16 00-1650	EA	2" x 3-1/2" Long, Red Brass Pipe Nipple	98.01
22 11 16 00-1651	EA	2" x 4" Long, Red Brass Pipe Nipple.....	110.11
22 11 16 00-1652	EA	2" x 4-1/2" Long, Red Brass Pipe Nipple	122.20
22 11 16 00-1653	EA	2" x 5" Long, Red Brass Pipe Nipple.....	133.11
22 11 16 00-1654	EA	2" x 5-1/2" Long, Red Brass Pipe Nipple	146.81
22 11 16 00-1655	EA	2" x 6" Long, Red Brass Pipe Nipple.....	158.83

22 11 16 00-1656 Cross-Linked Polyethylene Tubing, ASTM F877 (22 11 16)

Note: Aboveground, domestic water usage.

22 11 16 00-1657 Cross-Linked Polyethylene Tubing (22 11 16 00-1656)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1658	LF		3/8" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing..... <i>For Work In Restricted Working Space, Add</i>	5.52 1.13	
22 11 16 00-1659	LF		1/2" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing..... <i>For Work In Restricted Working Space, Add</i>	6.02 1.22	
22 11 16 00-1660	LF		3/4" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing..... <i>For Work In Restricted Working Space, Add</i>	7.99 1.32	
22 11 16 00-1661	LF		1" Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing..... <i>For Work In Restricted Working Space, Add</i>	10.81 1.39	
22 11 16 00-1662			Cross-Linked Polyethylene Forged Brass PEX Fittings (22 11 16 00-1656) Note: Aboveground, domestic water usage.		
22 11 16 00-1663			Male Adapters (22 11 16 00-1662)		
22 11 16 00-1664	EA		3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	23.55 5.84	
22 11 16 00-1665	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.33 6.23	
22 11 16 00-1666	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.58 6.62	
22 11 16 00-1667	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.88 7.01	
22 11 16 00-1668	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.58 6.62	
22 11 16 00-1669	EA		1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	35.69 7.79	
22 11 16 00-1670			Female Adapters (22 11 16 00-1662)		
22 11 16 00-1671	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.81 6.23	
22 11 16 00-1672	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.89 6.62	
22 11 16 00-1673	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	30.19 7.01	
22 11 16 00-1674	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	28.89 6.62	
22 11 16 00-1675	EA		1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	36.29 7.79	
22 11 16 00-1676			Tube Adapters (22 11 16 00-1662)		
22 11 16 00-1677	EA		3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	21.61 5.84	
22 11 16 00-1678	EA		1/2" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.91 6.23	
22 11 16 00-1679	EA		3/4" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	27.33 7.01	
22 11 16 00-1680	EA		1" Forged Brass Tube Adapter For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	34.47 7.79	
22 11 16 00-1681			Plugs (22 11 16 00-1662)		
22 11 16 00-1682	EA		3/8" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	10.75 2.72	
22 11 16 00-1683	EA		1/2" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	12.04 3.11	
22 11 16 00-1684	EA		3/4" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	13.82 3.50	
22 11 16 00-1685	EA		1" Forged Brass Plug For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	16.95 3.89	
22 11 16 00-1686			Tees (22 11 16 00-1662)		
22 11 16 00-1687	EA		3/8" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	30.74 8.17	
22 11 16 00-1688	EA		1/2" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	34.63 9.34	
22 11 16 00-1689	EA		3/4" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	40.91 10.51	
22 11 16 00-1690	EA		1" Forged Brass Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	51.53 11.68	
22 11 16 00-1691	EA		1/2" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	33.33 8.95	
22 11 16 00-1692	EA		3/4" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	38.32 9.73	
22 11 16 00-1693	EA		1" Forged Brass Reducing Tee For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	46.68 10.51	
22 11 16 00-1694			Couplings (22 11 16 00-1662)		
22 11 16 00-1695	EA		3/8" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	19.95 5.45	
22 11 16 00-1696	EA		1/2" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	22.67 6.23	
22 11 16 00-1697	EA		3/4" Forged Brass Coupling For PEX Tubing <i>For Work In Restricted Working Space, Add</i>	25.86 7.01	

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 16 00-1698	EA	1" Forged Brass Coupling For PEX Tubing	31.24	
		<i>For Work In Restricted Working Space, Add</i>	7.79	
22 11 16 00-1699	EA	3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing	24.56	
		<i>For Work In Restricted Working Space, Add</i>	6.62	
22 11 16 00-1700	EA	1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing	29.94	
		<i>For Work In Restricted Working Space, Add</i>	7.40	

22 11 16 00-1701 Fitting Reducers (22 11 16 00-1662)

22 11 16 00-1702	EA	3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing	21.97	
		<i>For Work In Restricted Working Space, Add</i>	5.84	
22 11 16 00-1703	EA	1/2" Forged Brass Fitting Reducer For PEX Tubing	23.27	
		<i>For Work In Restricted Working Space, Add</i>	6.23	
22 11 16 00-1704	EA	3/4" Forged Brass Fitting Reducer For PEX Tubing	28.04	
		<i>For Work In Restricted Working Space, Add</i>	7.01	
22 11 16 00-1705	EA	1" Forged Brass Fitting Reducer For PEX Tubing	38.56	
		<i>For Work In Restricted Working Space, Add</i>	7.79	

22 11 16 00-1706 90 Degree Elbows (22 11 16 00-1662)

22 11 16 00-1707	EA	3/8" Forged Brass 90 Degree Elbow For PEX Tubing	21.03	
		<i>For Work In Restricted Working Space, Add</i>	5.45	
22 11 16 00-1708	EA	1/2" Forged Brass 90 Degree Elbow For PEX Tubing	23.63	
		<i>For Work In Restricted Working Space, Add</i>	6.23	
22 11 16 00-1709	EA	3/4" Forged Brass 90 Degree Elbow For PEX Tubing	28.04	
		<i>For Work In Restricted Working Space, Add</i>	7.01	
22 11 16 00-1710	EA	3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing	26.74	
		<i>For Work In Restricted Working Space, Add</i>	6.62	
22 11 16 00-1711	EA	1/2" Drop 90 Degree Elbow For PEX Tubing	31.10	
		<i>For Work In Restricted Working Space, Add</i>	6.23	
22 11 16 00-1712	EA	3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing	34.77	
		<i>For Work In Restricted Working Space, Add</i>	7.01	
22 11 16 00-1713	EA	3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing	33.47	
		<i>For Work In Restricted Working Space, Add</i>	6.62	

22 11 19 Domestic Water Piping Specialties (22 11)**22 11 19 00-0001 Brass, Anti Siphon Vacuum Breakers** (22 11 19)

Note: Watts 288A

22 11 19 00-0002	EA	1/2" Brass, Anti Siphon Vacuum Breaker	122.26	32.43
22 11 19 00-0003	EA	3/4" Brass, Anti Siphon Vacuum Breaker	140.60	36.32
22 11 19 00-0004	EA	1" Brass, Anti Siphon Vacuum Breaker	291.41	41.51
22 11 19 00-0005	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	465.36	47.99
22 11 19 00-0006	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	555.97	53.18
22 11 19 00-0007	EA	2" Brass, Anti Siphon Vacuum Breaker	815.13	64.86
22 11 19 00-0008	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	2,146.50	81.08

22 11 19 00-0009 Polyvinyl Chloride (PVC) Vacuum Breakers (22 11 19)

Note: 100 psi maximum, 140 degree F maximum.

22 11 19 00-0010	EA	1/2" Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM050V-PV)	376.89	32.43
22 11 19 00-0011	EA	3/4" Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM075V-PV)	412.11	36.32
22 11 19 00-0012	EA	1" Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM100V-PV)	454.38	40.86

22 11 19 00-0013 Anti Siphon Pressure Vacuum Breakers (22 11 19)

Note: Watts 800M4QT

22 11 19 00-0014	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	365.39	32.43
22 11 19 00-0015	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	318.66	36.32
22 11 19 00-0016	EA	1" Anti Siphon Pressure Type Vacuum Breaker	456.78	41.51
22 11 19 00-0017	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	829.18	47.99
22 11 19 00-0018	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	1,010.00	53.18
22 11 19 00-0019	EA	2" Anti Siphon Pressure Type Vacuum Breaker	1,018.51	64.86

22 11 19 00-0020 Bellows Type Water Hammer Arrestors (22 11 19)

22 11 19 00-0021	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	278.53	15.51
22 11 19 00-0022	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	542.03	18.77
22 11 19 00-0023	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	790.87	18.77
22 11 19 00-0024	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,926.91	18.77
22 11 19 00-0025	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	2,163.92	18.77
22 11 19 00-0026	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,651.22	18.77

22 11 19 00-0027 Piston Type Water Hammer Arrestors (22 11 19)**22 11 19 00-0028 Threaded Piston Type Water Hammer Arrestors** (22 11 19 00-0027)

22 11 19 00-0029	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	203.19	8.65
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0030	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	391.73	9.97
22 11 19 00-0031	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	583.05	10.81
22 11 19 00-0032	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	1,437.13	13.95
22 11 19 00-0033	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	1,750.29	17.30
22 11 19 00-0034	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	1,991.90	18.77
22 11 19 00-0035		Washer Boxes And Dryer Outlets (22 11 19)		
22 11 19 00-0036		Dryer Vent Kit (22 11 19 00-0035) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0037	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps.....	89.00	16.86
22 11 19 00-0038		Washer Boxes And Dryer Vents (22 11 19 00-0035) Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0039	EA	2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	315.03	25.95
22 11 19 00-0040		Ice Maker Outlet Box (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0041	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	167.98	25.95
22 11 19 00-0042	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	171.02	25.95
22 11 19 00-0043	EA	Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	250.23	25.95
22 11 19 00-0044		Rubber Hose And Clamps (22 11 19)		
22 11 19 00-0045		General Purpose Hose (22 11 19 00-0044) Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0046	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	8.38	2.58
22 11 19 00-0047	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.84	2.58
22 11 19 00-0048	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	12.02	2.58
22 11 19 00-0049	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	12.13	2.58
22 11 19 00-0050	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	16.51	3.88
22 11 19 00-0051	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	27.25	3.88
22 11 19 00-0052	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	29.64	5.16
22 11 19 00-0053	LF	2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	56.70	5.16
22 11 19 00-0054		Reinforced EPDM Water Hose Assembly (22 11 19 00-0044) Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0055	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	75.19	5.16
22 11 19 00-0056	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	88.71	5.16
22 11 19 00-0057	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	124.72	6.35
22 11 19 00-0058	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	175.15	8.58
22 11 19 00-0059		Chemical Resistant Rubber Hoses (22 11 19 00-0044)		
22 11 19 00-0060	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,380.48	313.67
22 11 19 00-0061	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,873.93	313.67
22 11 19 00-0062		Water Pump Hose (22 11 19 00-0044)		
22 11 19 00-0063	EA	2" Inside Diameter, 20' Rubber Discharge Hose.....	643.05	78.88
22 11 19 00-0064	EA	2" Inside Diameter, 20' Rubber Intake Hose.....	680.59	78.88
22 11 19 00-0065		Barbed Hose x Threaded Male Pipe, Steel Coupling (22 11 19 00-0044)		
22 11 19 00-0066	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	32.01	10.84
22 11 19 00-0067	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	33.96	11.62
22 11 19 00-0068	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	36.36	12.40
22 11 19 00-0069	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	41.31	13.94
22 11 19 00-0070	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	49.49	17.05
22 11 19 00-0071	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling.....	58.66	20.40
22 11 19 00-0072	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling.....	75.64	26.85
22 11 19 00-0073	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	95.20	33.57
22 11 19 00-0074		Worm-Drive Hose Clamp (22 11 19 00-0044)		
22 11 19 00-0075	EA	3/8" To 1" Diameter Worm Drive Hose Clamp	13.66	3.88
22 11 19 00-0076	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp.....	14.44	3.88
22 11 19 00-0077	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	15.29	3.88
22 11 19 00-0078	EA	3/4" To 2" Diameter Worm Drive Hose Clamp	16.27	3.88
22 11 19 00-0079	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	17.39	3.88
22 11 19 00-0080	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	18.83	5.16
22 11 19 00-0081	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	20.32	5.16

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0082	Trap Primer And Accessories (22 11 19)		
22 11 19 00-0083	Trap Primer (22 11 19 00-0082)		
22 11 19 00-0084	EA 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	344.84	19.46
22 11 19 00-0085	EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	211.31	12.97
22 11 19 00-0086	EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	204.58	12.97
22 11 19 00-0087	Trap Primer Distribution Unit (22 11 19 00-0082)		
22 11 19 00-0088	EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)..... Note: Can be used for two, three or four drains.	174.62	25.95
22 11 19 00-0089	EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)..... Note: Can be used for two, three or four drains.	192.75	25.95
22 11 19 00-0090	Trap Primer Manifold (22 11 19 00-0082)		
22 11 19 00-0091	EA Two Outlet Trap Primer Manifold.....	276.47	34.89
22 11 19 00-0092	EA Four Outlet Trap Primer Manifold.....	419.61	39.69
22 11 19 00-0093	EA Six Outlet Trap Primer Manifold.....	559.66	42.03
22 11 19 00-0094	EA Eight Outlet Trap Primer Manifold.....	704.41	49.29
22 11 19 00-0095	Sewage Air Release Valves (22 11 19)		
22 11 19 00-0096	Cast Iron, Sewage Air Release Valves (22 11 19 00-0095) Note: Stainless steel float.		
22 11 19 00-0097	EA 2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)..... For Back Flush Attachment, Add	986.47 650.00	47.37
22 11 19 00-0098	EA 3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)..... For Back Flush Attachment, Add	1,214.60 650.00	79.16
22 11 19 00-0099	EA 4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)..... For Back Flush Attachment, Add	1,540.11 650.00	99.92
22 11 19 00-0100	Cast Iron, Sewage Air Vacuum Valves (22 11 19 00-0095) Note: Stainless steel float.		
22 11 19 00-0101	EA 2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)..... For Back Flush Attachment, Add	1,007.71 650.00	47.37
22 11 19 00-0102	EA 2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)..... For Back Flush Attachment, Add	1,968.45 650.00	47.37
22 11 19 00-0103	EA 3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)..... For Back Flush Attachment, Add	2,366.44 650.00	79.16
22 11 19 00-0104	EA 4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404).....	3,501.42	99.92
22 11 19 00-0105	Cast Iron, Sewage Combination Air Valves (22 11 19 00-0095) Note: Stainless steel float.		
22 11 19 00-0106	EA 2" x 1" NPT, Sewage Combination Air Valve (Apco 443).....	2,143.62	47.37
22 11 19 00-0107	EA 2" x 2" NPT, Sewage Combination Air Valve (Apco 445).....	2,953.09	47.37
22 11 19 00-0108	EA 3" x 3" NPT, Sewage Combination Air Valve (Apco 447).....	3,459.89	79.16
22 11 19 00-0109	EA 4" x 4" NPT, Sewage Combination Air Valve (Apco 449).....	4,231.27	99.92
22 11 19 00-0110	Wall Hydrants (22 11 19) Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0111	Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0110) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0112	EA 6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... For Cast Bronze Box, Add For 1" NPT Outlet, Add	795.56 39.84 93.91	32.43
22 11 19 00-0113	EA 12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... For Cast Bronze Box, Add For 1" NPT Outlet, Add	840.67 39.84 93.91	38.92
22 11 19 00-0114	EA 18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... For Cast Bronze Box, Add For 1" NPT Outlet, Add	867.23 39.84 93.91	46.83
22 11 19 00-0115	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants (22 11 19 00-0110) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0116	EA Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... For Cast Bronze Box, Add For 1" NPT Outlet, Add	815.39 39.84 93.91	54.48
22 11 19 00-0117	Cast Bronze Non-Freezing Wall Hydrant (22 11 19 00-0110) Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0118	EA 3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... For 1" NPT Outlet, Add	446.32 93.91	40.22
22 11 19 00-0119	EA 4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... For 1" NPT Outlet, Add	547.21 93.91	40.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0120	EA		6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	547.21	40.22
			For 1" NPT Outlet, Add	93.91	
22 11 19 00-0121	EA		8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	547.21	40.22
			For 1" NPT Outlet, Add	93.91	
22 11 19 00-0122	EA		10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	570.69	81.08
			For 1" NPT Outlet, Add	93.91	
22 11 19 00-0123	EA		12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	570.69	81.08
			For 1" NPT Outlet, Add	93.91	
22 11 19 00-0124	EA		18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	640.92	81.08
			For 1" NPT Outlet, Add	93.91	
22 11 19 00-0125 Stainless Steel Box Type Wall Hydrants (22 11 19 00-0110)					
Note: With 3/4" NPT female and 3/4" NPT male inlet connection.					
22 11 19 00-0126	EA		Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	404.08	32.43
22 11 19 00-0127	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141).....	439.28	32.43
22 11 19 00-0128	EA		Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	444.08	32.43
22 11 19 00-0129	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151).....	496.88	32.43
22 11 19 00-0130	EA		Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145).....	696.09	45.40
			Note: Includes hot and cold hose connections.		
22 11 19 00-0131	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146).....	716.88	45.40
			Note: Includes hot and cold hose connections.		
22 11 19 00-0132	EA		Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155).....	716.88	45.40
			Note: Includes hot and cold hose connections.		
22 11 19 00-0133	EA		Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156).....	766.48	45.40
			Note: Includes hot and cold hose connections.		
22 11 19 00-0134 Tempering Controllers For Potable Hot Water (22 11 19)					
22 11 19 00-0135 Point-Of-Use Thermostatic Mixing Valves (Bradley) (22 11 19 00-0134)					
Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.					
22 11 19 00-0136	EA		1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	595.88	31.40
22 11 19 00-0137	EA		1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	150.76	31.40
22 11 19 00-0138	EA		1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	336.72	31.40
22 11 19 00-0139	EA		3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	385.37	42.30
22 11 19 00-0140 Thermostatic Mixing Valves (Bradley) (22 11 19 00-0134)					
Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.					
22 11 19 00-0141	EA		3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025).....	1,625.81	45.29
22 11 19 00-0142	EA		3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045).....	1,823.93	55.78
22 11 19 00-0143	EA		1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080).....	2,193.15	64.88
22 11 19 00-0144	EA		1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130).....	2,846.00	68.19
22 11 19 00-0145	EA		2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200).....	3,821.48	88.47
22 11 19 00-0146 High Low Temperature Thermostatic Mixing Valves (Bradley) (22 11 19 00-0134)					
Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.					
22 11 19 00-0147	EA		3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045).....	4,153.41	69.75
22 11 19 00-0148	EA		1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080).....	5,407.72	81.10
22 11 19 00-0149	EA		1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130).....	6,308.52	85.24
22 11 19 00-0150	EA		2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200).....	6,985.83	110.59
22 11 19 00-0151 Thermostatic Mixing Valves (Leonard) (22 11 19 00-0134)					
Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection					
22 11 19 00-0152	EA		3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF).....	1,178.32	45.29
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0153	EA		1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF).....	1,386.85	55.77
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0154	EA		1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF).....	1,705.12	64.88
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0155	EA		1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF).....	2,086.82	68.22
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0156	EA		2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF).....	3,102.60	88.47
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0157 Water Mixing/Self Operating Temperature Regulator (22 11 19 00-0134)					
Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.					
22 11 19 00-0158	EA		3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,426.21	64.86
22 11 19 00-0159	EA		1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,629.78	81.72
22 11 19 00-0160	EA		1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,997.62	98.58
22 11 19 00-0161	EA		1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	4,400.18	115.44
22 11 19 00-0162	EA		2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	5,232.93	151.77

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0163	EA		2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	6,178.50	173.07
22 11 19 00-0164			Thermostatic Mixing Valves (Holby) (22 11 19 00-0134)		
22 11 19 00-0165	EA		2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500).....	5,536.92	88.50
22 11 19 00-0166			Backflow Preventer Valves (22 11 19)		
22 11 19 00-0167			Double Check Valve Backflow Preventer Assemblies (22 11 19 00-0166)		
22 11 19 00-0168			Threaded Double Check Valve Assemblies (22 11 19 00-0167)		
22 11 19 00-0169			Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0168) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0170	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	502.00	34.76
			For Work In Restricted Working Space, Add	26.07	
			For Owner Furnished Material, Deduct	-415.09	
22 11 19 00-0171	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	591.83	49.29
			For Work In Restricted Working Space, Add	36.97	
			For Owner Furnished Material, Deduct	-468.60	
22 11 19 00-0172	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	682.14	60.19
			For Work In Restricted Working Space, Add	45.14	
			For Owner Furnished Material, Deduct	-531.67	
22 11 19 00-0173	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	956.22	70.05
			For Work In Restricted Working Space, Add	52.54	
			For Owner Furnished Material, Deduct	-781.10	
22 11 19 00-0174	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,184.69	80.42
			For Work In Restricted Working Space, Add	59.93	
			For Owner Furnished Material, Deduct	-984.92	
22 11 19 00-0175	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series).....	1,363.65	103.77
			For Work In Restricted Working Space, Add	77.83	
			For Owner Furnished Material, Deduct	-1,104.22	
22 11 19 00-0176			Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0168) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0177	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	620.78	34.76
			For Work In Restricted Working Space, Add	26.07	
			For Owner Furnished Material, Deduct	-533.87	
22 11 19 00-0178	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	765.79	49.29
			For Work In Restricted Working Space, Add	36.97	
			For Owner Furnished Material, Deduct	-642.56	
22 11 19 00-0179	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	895.41	60.19
			For Work In Restricted Working Space, Add	45.14	
			For Owner Furnished Material, Deduct	-744.94	
22 11 19 00-0180	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,260.10	70.05
			For Work In Restricted Working Space, Add	52.54	
			For Owner Furnished Material, Deduct	-1,084.98	
22 11 19 00-0181	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,542.60	80.42
			For Work In Restricted Working Space, Add	59.93	
			For Owner Furnished Material, Deduct	-1,342.83	
22 11 19 00-0182	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,857.79	103.77
			For Work In Restricted Working Space, Add	77.83	
			For Owner Furnished Material, Deduct	-1,598.36	
22 11 19 00-0183			Flanged Double Check Valve Assemblies (22 11 19 00-0167)		
22 11 19 00-0184			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0183) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0185	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,806.79	286.65
			For Work In Restricted Working Space, Add	114.66	
			For Owner Furnished Material, Deduct	-6,424.58	
22 11 19 00-0186	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS).....	7,478.87	322.49
			For Work In Restricted Working Space, Add	127.20	
			For Owner Furnished Material, Deduct	-7,054.86	
22 11 19 00-0187			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0183) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0188	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY).....	7,459.81	286.65
			For Work In Restricted Working Space, Add	114.66	
			For Owner Furnished Material, Deduct	-7,077.60	
22 11 19 00-0189	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	8,567.23	322.49
			For Work In Restricted Working Space, Add	127.20	
			For Owner Furnished Material, Deduct	-8,143.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0190			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0183) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0191	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	6,853.88	286.65
			For Work In Restricted Working Space, Add	114.66	
			For Owner Furnished Material, Deduct	-6,471.69	
22 11 19 00-0192	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	5,221.51	322.49
			For Work In Restricted Working Space, Add	127.21	
			For Owner Furnished Material, Deduct	-4,797.48	
22 11 19 00-0193	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	8,175.61	477.76
			For Work In Restricted Working Space, Add	191.00	
			For Owner Furnished Material, Deduct	-7,538.93	
22 11 19 00-0194	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	12,393.42	693.27
			For Work In Restricted Working Space, Add	375.71	
			For Owner Furnished Material, Deduct	-11,141.06	
22 11 19 00-0195	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	28,372.81	1,039.91
			For Work In Restricted Working Space, Add	563.65	
			For Owner Furnished Material, Deduct	-26,493.97	
22 11 19 00-0196	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	36,452.74	1,229.99
			For Work In Restricted Working Space, Add	670.91	
			For Owner Furnished Material, Deduct	-34,216.38	
22 11 19 00-0197			Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer (22 11 19 00-0183) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0198	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	9,554.69	477.76
			For Work In Restricted Working Space, Add	190.99	
			For Owner Furnished Material, Deduct	-8,918.07	
22 11 19 00-0199	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	15,859.14	693.27
			For Work In Restricted Working Space, Add	375.71	
			For Owner Furnished Material, Deduct	-14,606.78	
22 11 19 00-0200	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	42,365.27	1,229.99
			For Work In Restricted Working Space, Add	670.91	
			For Owner Furnished Material, Deduct	-40,128.91	
22 11 19 00-0201			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0183) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0202	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	7,281.10	286.65
			For Work In Restricted Working Space, Add	114.66	
			For Owner Furnished Material, Deduct	-6,898.91	
22 11 19 00-0203	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series).....	8,000.30	322.49
			For Work In Restricted Working Space, Add	127.20	
			For Owner Furnished Material, Deduct	-7,576.29	
22 11 19 00-0204	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	8,675.87	477.76
			For Work In Restricted Working Space, Add	190.99	
			For Owner Furnished Material, Deduct	-8,039.25	
22 11 19 00-0205	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	14,520.62	693.27
			For Work In Restricted Working Space, Add	375.71	
			For Owner Furnished Material, Deduct	-13,268.26	
22 11 19 00-0206	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	30,139.12	1,039.91
			For Work In Restricted Working Space, Add	563.57	
			For Owner Furnished Material, Deduct	-28,260.57	
22 11 19 00-0207	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	38,732.17	1,229.99
			For Work In Restricted Working Space, Add	670.91	
			For Owner Furnished Material, Deduct	-36,495.81	
22 11 19 00-0208			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0183) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0209	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,329.69	286.65
			For Work In Restricted Working Space, Add	114.66	
			For Owner Furnished Material, Deduct	-3,947.50	
22 11 19 00-0210	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,766.49	322.49
			For Work In Restricted Working Space, Add	127.20	
			For Owner Furnished Material, Deduct	-4,342.48	
22 11 19 00-0211	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	5,374.08	477.76
			For Work In Restricted Working Space, Add	190.99	
			For Owner Furnished Material, Deduct	-4,737.46	
22 11 19 00-0212	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	8,660.04	693.27
			For Work In Restricted Working Space, Add	375.71	
			For Owner Furnished Material, Deduct	-7,407.68	
22 11 19 00-0213	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	16,524.16	1,039.91
			For Work In Restricted Working Space, Add	563.57	
			For Owner Furnished Material, Deduct	-14,645.61	
22 11 19 00-0214	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	17,908.20	1,229.99
			For Work In Restricted Working Space, Add	670.91	
			For Owner Furnished Material, Deduct	-15,671.84	

MINOR	
CSI UOM DESCRIPTION	

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 11 19 00-0215	N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0183)		
	Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0216	EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	5,730.35	286.65
	For Work In Restricted Working Space, Add	114.66	
	For Owner Furnished Material, Deduct	-5,348.16	
22 11 19 00-0217	EA 3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	6,167.15	322.49
	For Work In Restricted Working Space, Add	127.20	
	For Owner Furnished Material, Deduct	-5,743.14	
22 11 19 00-0218	EA 4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series).....	7,714.62	477.76
	For Work In Restricted Working Space, Add	190.99	
	For Owner Furnished Material, Deduct	-7,078.00	
22 11 19 00-0219	EA 6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	12,578.22	693.27
	For Work In Restricted Working Space, Add	375.71	
	For Owner Furnished Material, Deduct	-11,325.86	
22 11 19 00-0220	EA 8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	22,331.30	1,039.91
	For Work In Restricted Working Space, Add	563.57	
	For Owner Furnished Material, Deduct	-20,452.75	
22 11 19 00-0221	EA 10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	26,573.91	1,229.99
	For Work In Restricted Working Space, Add	670.91	
	For Owner Furnished Material, Deduct	-24,337.55	
22 11 19 00-0222	Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves (22 11 19 00-0183)		
	Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0223	EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	4,051.11	286.65
	For Work In Restricted Working Space, Add	114.66	
	For Owner Furnished Material, Deduct	-3,668.92	
22 11 19 00-0224	EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	4,500.57	322.49
	For Work In Restricted Working Space, Add	127.20	
	For Owner Furnished Material, Deduct	-4,076.56	
22 11 19 00-0225	EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	5,120.67	477.76
	For Work In Restricted Working Space, Add	190.99	
	For Owner Furnished Material, Deduct	-4,484.05	
22 11 19 00-0226	EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	8,460.97	693.27
	For Work In Restricted Working Space, Add	375.71	
	For Owner Furnished Material, Deduct	-7,208.61	
22 11 19 00-0227	EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	16,332.31	1,039.91
	For Work In Restricted Working Space, Add	563.57	
	For Owner Furnished Material, Deduct	-14,453.76	
22 11 19 00-0228	EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	18,443.85	1,229.99
	For Work In Restricted Working Space, Add	670.91	
	For Owner Furnished Material, Deduct	-16,207.49	
22 11 19 00-0229	N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0183)		
	Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0230	EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	5,334.32	286.65
	For Work In Restricted Working Space, Add	114.66	
	For Owner Furnished Material, Deduct	-4,952.13	
22 11 19 00-0231	EA 3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	5,771.11	322.49
	For Work In Restricted Working Space, Add	127.20	
	For Owner Furnished Material, Deduct	-5,347.10	
22 11 19 00-0232	EA 4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	7,319.08	477.76
	For Work In Restricted Working Space, Add	190.99	
	For Owner Furnished Material, Deduct	-6,682.46	
22 11 19 00-0233	EA 6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	12,156.93	693.27
	For Work In Restricted Working Space, Add	375.71	
	For Owner Furnished Material, Deduct	-10,904.57	
22 11 19 00-0234	EA 8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	21,693.63	1,039.91
	For Work In Restricted Working Space, Add	563.57	
	For Owner Furnished Material, Deduct	-19,815.08	
22 11 19 00-0235	EA 10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	25,934.37	1,229.99
	For Work In Restricted Working Space, Add	670.91	
	For Owner Furnished Material, Deduct	-23,698.01	
22 11 19 00-0236	Double Check Valve Assemblies With Butterfly Shut-Off Valves (22 11 19 00-0183)		
	Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0237	EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,709.97	286.65
	For Work In Restricted Working Space, Add	114.66	
	For Owner Furnished Material, Deduct	-4,327.78	
22 11 19 00-0238	EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,146.77	322.49
	For Work In Restricted Working Space, Add	127.20	
	For Owner Furnished Material, Deduct	-4,722.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0239	EA		4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,754.36	477.76
			For Work In Restricted Working Space, Add	190.99	
			For Owner Furnished Material, Deduct	-5,117.74	
22 11 19 00-0240	EA		6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	9,049.90	693.27
			For Work In Restricted Working Space, Add	375.71	
			For Owner Furnished Material, Deduct	-7,797.54	
22 11 19 00-0241	EA		8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	16,914.02	1,039.91
			For Work In Restricted Working Space, Add	563.57	
			For Owner Furnished Material, Deduct	-15,035.47	
22 11 19 00-0242 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0183)					
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).					
22 11 19 00-0243	EA		2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series).....	6,110.63	286.65
			For Work In Restricted Working Space, Add	114.66	
			For Owner Furnished Material, Deduct	-5,728.44	
22 11 19 00-0244	EA		3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	6,547.42	322.49
			For Work In Restricted Working Space, Add	127.20	
			For Owner Furnished Material, Deduct	-6,123.41	
22 11 19 00-0245	EA		4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	8,094.90	477.76
			For Work In Restricted Working Space, Add	190.99	
			For Owner Furnished Material, Deduct	-7,458.28	
22 11 19 00-0246	EA		6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	12,968.16	693.27
			For Work In Restricted Working Space, Add	375.71	
			For Owner Furnished Material, Deduct	-11,715.80	
22 11 19 00-0247	EA		8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	16,914.02	1,039.91
			For Work In Restricted Working Space, Add	563.57	
			For Owner Furnished Material, Deduct	-15,035.47	
22 11 19 00-0248 Grooved Double Check Valve Assemblies (22 11 19 00-0167)					
22 11 19 00-0249 Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0248)					
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).					
22 11 19 00-0250	EA		2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	4,051.11	152.89
			For Work In Restricted Working Space, Add	114.66	
			For Owner Furnished Material, Deduct	-3,668.92	
22 11 19 00-0251	EA		3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	4,500.57	169.61
			For Work In Restricted Working Space, Add	127.20	
			For Owner Furnished Material, Deduct	-4,076.56	
22 11 19 00-0252 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0248)					
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).					
22 11 19 00-0253	EA		2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	5,334.32	152.89
			For Work In Restricted Working Space, Add	114.66	
			For Owner Furnished Material, Deduct	-4,952.13	
22 11 19 00-0254	EA		3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	5,771.11	169.61
			For Work In Restricted Working Space, Add	127.20	
			For Owner Furnished Material, Deduct	-5,347.10	
22 11 19 00-0255 Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0166)					
22 11 19 00-0256 Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0255)					
22 11 19 00-0257 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0256)					
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).					
22 11 19 00-0258	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	558.03	30.09
			For Work In Restricted Working Space, Add	22.57	
			For Owner Furnished Material, Deduct	-482.79	
22 11 19 00-0259	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	589.25	33.21
			For Work In Restricted Working Space, Add	24.91	
			For Owner Furnished Material, Deduct	-506.23	
22 11 19 00-0260	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series).....	686.58	34.76
			For Work In Restricted Working Space, Add	26.07	
			For Owner Furnished Material, Deduct	-599.67	
22 11 19 00-0261	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	921.88	49.29
			For Work In Restricted Working Space, Add	36.97	
			For Owner Furnished Material, Deduct	-798.65	
22 11 19 00-0262	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,093.66	60.19
			For Work In Restricted Working Space, Add	45.14	
			For Owner Furnished Material, Deduct	-943.19	
22 11 19 00-0263	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,654.70	70.05
			For Work In Restricted Working Space, Add	52.54	
			For Owner Furnished Material, Deduct	-1,479.58	
22 11 19 00-0264	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,748.94	80.42
			For Work In Restricted Working Space, Add	59.93	
			For Owner Furnished Material, Deduct	-1,549.17	
22 11 19 00-0265	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	2,097.76	103.77
			For Work In Restricted Working Space, Add	77.83	
			For Owner Furnished Material, Deduct	-1,838.33	

MINOR
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TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 19 00-0266 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0256)			
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).			
22 11 19 00-0267	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	616.47
		For Work In Restricted Working Space, Add	22.57
		For Owner Furnished Material, Deduct	-541.23
22 11 19 00-0268	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	650.84
		For Work In Restricted Working Space, Add	24.91
		For Owner Furnished Material, Deduct	-567.82
22 11 19 00-0269	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	770.99
		For Work In Restricted Working Space, Add	26.07
		For Owner Furnished Material, Deduct	-684.08
22 11 19 00-0270	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,054.54
		For Work In Restricted Working Space, Add	36.97
		For Owner Furnished Material, Deduct	-931.31
22 11 19 00-0271	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,259.53
		For Work In Restricted Working Space, Add	45.14
		For Owner Furnished Material, Deduct	-1,109.06
22 11 19 00-0272	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,880.91
		For Work In Restricted Working Space, Add	52.54
		For Owner Furnished Material, Deduct	-1,705.79
22 11 19 00-0273	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	2,068.17
		For Work In Restricted Working Space, Add	59.93
		For Owner Furnished Material, Deduct	-1,868.40
22 11 19 00-0274	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	2,489.42
		For Work In Restricted Working Space, Add	77.83
		For Owner Furnished Material, Deduct	-2,229.99
22 11 19 00-0275 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0256)			
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).			
22 11 19 00-0276	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	921.88
		For Work In Restricted Working Space, Add	36.97
		For Owner Furnished Material, Deduct	-798.65
22 11 19 00-0277	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,093.66
		For Work In Restricted Working Space, Add	45.14
		For Owner Furnished Material, Deduct	-943.19
22 11 19 00-0278	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,654.70
		For Work In Restricted Working Space, Add	52.54
		For Owner Furnished Material, Deduct	-1,479.58
22 11 19 00-0279	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,748.94
		For Work In Restricted Working Space, Add	59.93
		For Owner Furnished Material, Deduct	-1,549.17
22 11 19 00-0280	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	2,097.76
		For Work In Restricted Working Space, Add	77.83
		For Owner Furnished Material, Deduct	-1,838.33
22 11 19 00-0281 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0256)			
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).			
22 11 19 00-0282	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,054.54
		For Work In Restricted Working Space, Add	36.97
		For Owner Furnished Material, Deduct	-931.31
22 11 19 00-0283	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,259.53
		For Work In Restricted Working Space, Add	45.14
		For Owner Furnished Material, Deduct	-1,109.06
22 11 19 00-0284	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,880.91
		For Work In Restricted Working Space, Add	52.54
		For Owner Furnished Material, Deduct	-1,705.79
22 11 19 00-0285	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	2,068.17
		For Work In Restricted Working Space, Add	59.93
		For Owner Furnished Material, Deduct	-1,868.40
22 11 19 00-0286	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	2,489.42
		For Work In Restricted Working Space, Add	77.83
		For Owner Furnished Material, Deduct	-2,229.99
22 11 19 00-0287 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0256)			
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0288	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	1,907.16 36.97 -1,783.93	49.29
22 11 19 00-0289	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	2,257.25 45.14 -2,106.78	60.19
22 11 19 00-0290	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	3,475.69 52.54 -3,300.57	70.05
22 11 19 00-0291	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	3,757.12 59.93 -3,557.35	80.42
22 11 19 00-0292	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	4,357.36 77.83 -4,097.93	103.77
22 11 19 00-0293			Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0256) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0294	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	2,570.28 36.97 -2,447.05	49.29
22 11 19 00-0295	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	3,055.21 45.14 -2,904.74	60.19
22 11 19 00-0296	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	4,660.17 52.54 -4,485.05	70.05
22 11 19 00-0297	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	5,090.26 59.93 -4,890.49	80.42
22 11 19 00-0298	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	6,045.49 77.83 -5,786.06	103.77
22 11 19 00-0299			Flanged Reduced Pressure Zone Assemblies (22 11 19 00-0255)		
22 11 19 00-0300			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0299) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0301	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series) For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	6,259.36 114.66 -5,877.15	286.65
22 11 19 00-0302	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	7,053.27 127.20 -6,629.26	322.49
22 11 19 00-0303			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer (22 11 19 00-0299) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0304	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	7,464.68 114.66 -7,082.47	286.65
22 11 19 00-0305	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	8,453.52 127.20 -8,029.51	322.49
22 11 19 00-0306			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0299) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0307	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	6,720.70 114.66 -6,338.49	286.65
22 11 19 00-0308	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)..... For Work In Restricted Working Space, Add For Owner Furnished Material, Deduct	7,819.99 127.20 -7,395.98	322.49
22 11 19 00-0309			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer (22 11 19 00-0299) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 11 19 00-0310	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	7,464.68		286.65
		For Work In Restricted Working Space, Add	114.66		
		For Owner Furnished Material, Deduct	-7,062.47		
22 11 19 00-0311	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	8,453.52		322.49
		For Work In Restricted Working Space, Add	127.20		
		For Owner Furnished Material, Deduct	-8,029.51		
22 11 19 00-0312 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0299)					
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).					
22 11 19 00-0313	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	8,288.26		286.65
		For Work In Restricted Working Space, Add	114.66		
		For Owner Furnished Material, Deduct	-7,906.05		
22 11 19 00-0314	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	9,592.24		322.49
		For Work In Restricted Working Space, Add	127.20		
		For Owner Furnished Material, Deduct	-9,168.23		
22 11 19 00-0315 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0299)					
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).					
22 11 19 00-0316	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	10,760.61		286.65
		For Work In Restricted Working Space, Add	114.66		
		For Owner Furnished Material, Deduct	-10,378.42		
22 11 19 00-0317	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	12,225.44		322.49
		For Work In Restricted Working Space, Add	127.21		
		For Owner Furnished Material, Deduct	-11,801.41		
22 11 19 00-0318	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	15,389.66		477.76
		For Work In Restricted Working Space, Add	191.00		
		For Owner Furnished Material, Deduct	-14,752.98		
22 11 19 00-0319	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	23,189.02		693.27
		For Work In Restricted Working Space, Add	526.03		
		For Owner Furnished Material, Deduct	-21,435.60		
22 11 19 00-0320	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	38,478.24		1,039.91
		For Work In Restricted Working Space, Add	789.04		
		For Owner Furnished Material, Deduct	-35,848.11		
22 11 19 00-0321	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	49,716.37		1,229.99
		For Work In Restricted Working Space, Add	670.91		
		For Owner Furnished Material, Deduct	-47,480.01		
22 11 19 00-0322 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer (22 11 19 00-0299)					
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).					
22 11 19 00-0323	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	11,597.19		286.65
		For Work In Restricted Working Space, Add	114.66		
		For Owner Furnished Material, Deduct	-11,215.00		
22 11 19 00-0324	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	13,105.86		322.49
		For Work In Restricted Working Space, Add	127.20		
		For Owner Furnished Material, Deduct	-12,681.85		
22 11 19 00-0325	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	16,739.50		477.76
		For Work In Restricted Working Space, Add	190.99		
		For Owner Furnished Material, Deduct	-16,102.88		
22 11 19 00-0326	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	25,228.80		693.27
		For Work In Restricted Working Space, Add	375.71		
		For Owner Furnished Material, Deduct	-23,976.44		
22 11 19 00-0327	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	40,863.57		1,039.91
		For Work In Restricted Working Space, Add	563.57		
		For Owner Furnished Material, Deduct	-38,985.02		
22 11 19 00-0328	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	55,475.72		1,229.99
		For Work In Restricted Working Space, Add	670.91		
		For Owner Furnished Material, Deduct	-53,239.36		
22 11 19 00-0329 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0299)					
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).					
22 11 19 00-0330	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	11,449.36		286.65
		For Work In Restricted Working Space, Add	114.66		
		For Owner Furnished Material, Deduct	-11,067.17		
22 11 19 00-0331	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	13,014.91		322.49
		For Work In Restricted Working Space, Add	127.21		
		For Owner Furnished Material, Deduct	-12,590.88		
22 11 19 00-0332	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	16,370.81		477.76
		For Work In Restricted Working Space, Add	191.00		
		For Owner Furnished Material, Deduct	-15,734.13		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0333	EA		6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	24,118.23	693.27
			For Work In Restricted Working Space, Add	375.71	
			For Owner Furnished Material, Deduct	-22,865.87	
22 11 19 00-0334	EA		8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	40,117.64	1,039.91
			For Work In Restricted Working Space, Add	563.57	
			For Owner Furnished Material, Deduct	-38,239.09	
22 11 19 00-0335	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	52,879.93	1,229.99
			For Work In Restricted Working Space, Add	670.91	
			For Owner Furnished Material, Deduct	-50,643.57	
22 11 19 00-0336			Double Check Detector Assemblies (22 11 19 00-0166)		
22 11 19 00-0337			Flanged Double Check Detector Assemblies With Meter (22 11 19 00-0336)		
22 11 19 00-0338			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0337)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0339	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	8,583.55	322.49
			For Work In Restricted Working Space, Add	127.20	
			For Owner Furnished Material, Deduct	-8,159.54	
22 11 19 00-0340	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	8,985.49	477.76
			For Work In Restricted Working Space, Add	190.99	
			For Owner Furnished Material, Deduct	-8,348.87	
22 11 19 00-0341	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	12,093.66	693.27
			For Work In Restricted Working Space, Add	375.71	
			For Owner Furnished Material, Deduct	-10,841.30	
22 11 19 00-0342	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	21,474.82	1,039.91
			For Work In Restricted Working Space, Add	563.57	
			For Owner Furnished Material, Deduct	-19,596.27	
22 11 19 00-0343	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	29,017.85	1,229.99
			For Work In Restricted Working Space, Add	670.91	
			For Owner Furnished Material, Deduct	-26,781.49	
22 11 19 00-0344			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter (22 11 19 00-0337)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0345	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,427.08	286.65
			For Work In Restricted Working Space, Add	114.66	
			For Owner Furnished Material, Deduct	-6,044.87	
22 11 19 00-0346	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,863.45	322.49
			For Work In Restricted Working Space, Add	127.20	
			For Owner Furnished Material, Deduct	-6,439.44	
22 11 19 00-0347	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	7,480.38	477.76
			For Work In Restricted Working Space, Add	190.99	
			For Owner Furnished Material, Deduct	-6,843.76	
22 11 19 00-0348	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	10,138.91	693.27
			For Work In Restricted Working Space, Add	375.71	
			For Owner Furnished Material, Deduct	-8,886.55	
22 11 19 00-0349	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	17,941.79	1,039.91
			For Work In Restricted Working Space, Add	563.57	
			For Owner Furnished Material, Deduct	-16,063.24	
22 11 19 00-0350	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	21,156.71	1,229.99
			For Work In Restricted Working Space, Add	670.91	
			For Owner Furnished Material, Deduct	-18,920.35	
22 11 19 00-0351			Double Check Detector Assembly With Butterfly Valves And Meter (22 11 19 00-0337)		
			Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0352	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	6,807.44	286.65
			For Work In Restricted Working Space, Add	114.66	
			For Owner Furnished Material, Deduct	-6,425.23	
22 11 19 00-0353	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	7,243.81	322.49
			For Work In Restricted Working Space, Add	127.20	
			For Owner Furnished Material, Deduct	-6,819.80	
22 11 19 00-0354	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	7,860.66	477.76
			For Work In Restricted Working Space, Add	190.99	
			For Owner Furnished Material, Deduct	-7,224.04	
22 11 19 00-0355	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	10,528.77	693.27
			For Work In Restricted Working Space, Add	375.71	
			For Owner Furnished Material, Deduct	-9,276.41	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 11 19 00-0356	EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	17,474.04 563.57 -15,595.49		1,039.91
22 11 19 00-0357	Flanged Double Check Detector Assemblies Without Meter (22 11 19 00-0336)			
22 11 19 00-0358	Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter (22 11 19 00-0357) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).			
22 11 19 00-0359	EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)..... <i>For Work In Restricted Working Space, Add</i>	6,306.99 114.66		286.65
22 11 19 00-0360	EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)..... <i>For Work In Restricted Working Space, Add</i>	6,743.41 127.20		322.49
22 11 19 00-0361	EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)..... <i>For Work In Restricted Working Space, Add</i>	7,360.34 190.99		477.76
22 11 19 00-0362	EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)..... <i>For Work In Restricted Working Space, Add</i>	10,018.87 375.71		693.27
22 11 19 00-0363	EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)..... <i>For Work In Restricted Working Space, Add</i>	17,821.83 563.57		1,039.91
22 11 19 00-0364	EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)..... <i>For Work In Restricted Working Space, Add</i>	21,036.58 670.91		1,229.99
22 11 19 00-0365	Double Check Detector Assembly With Butterfly Valves Less Meter (22 11 19 00-0357) Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).			
22 11 19 00-0366	EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)..... <i>For Work In Restricted Working Space, Add</i>	6,687.31 114.66		286.65
22 11 19 00-0367	EA 3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)..... <i>For Work In Restricted Working Space, Add</i>	7,123.69 127.20		322.49
22 11 19 00-0368	EA 4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)..... <i>For Work In Restricted Working Space, Add</i>	7,740.61 190.99		477.76
22 11 19 00-0369	EA 6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)..... <i>For Work In Restricted Working Space, Add</i>	10,408.65 375.71		693.27
22 11 19 00-0370	EA 8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)..... <i>For Work In Restricted Working Space, Add</i>	18,211.69 563.57		1,039.91
22 11 19 00-0371	Backflow Preventer Accessories (22 11 19 00-0166)			
22 11 19 00-0372	Air Gap (22 11 19 00-0371)			
22 11 19 00-0373	EA Up To 1" Diameter Air Gap For Backflow Preventer.....	142.89		16.22
22 11 19 00-0374	EA 1-1/4" To 2" Diameter Air Gap For Backflow Preventer.....	175.87		19.46
22 11 19 00-0375	EA 2-1/2" To 3" Diameter Air Gap For Backflow Preventer.....	330.65		25.95
22 11 19 00-0376	EA 4" To 6" Diameter Air Gap For Backflow Preventer.....	654.27		45.40
22 11 19 00-0377	EA 8" To 10" Diameter Air Gap For Backflow Preventer.....	693.19		64.86
22 11 19 00-0378	Brass Test Cocks (22 11 19 00-0371)			
22 11 19 00-0379	EA 1/8" Or 1/4" Brass Test Cock.....	58.17		6.49
22 11 19 00-0380	Backflow Valve Enclosures (22 11 19 00-0166)			
22 11 19 00-0381	Flip-Top, Insulated Fiberglass Valve Enclosures (22 11 19 00-0380) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.			
22 11 19 00-0382	EA 19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	1,647.84 203.40		116.74
22 11 19 00-0383	EA 27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	2,027.26 260.31		116.74
22 11 19 00-0384	EA 27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	2,571.61 345.43		107.49
22 11 19 00-0385	EA 33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	2,671.08 346.91		143.33
22 11 19 00-0386	EA 39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	2,799.75 366.21		143.33
22 11 19 00-0387	EA 47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	3,301.23 441.44		143.33
22 11 19 00-0388	EA 39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	3,314.43 443.42		143.33
22 11 19 00-0389	EA 47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	4,168.93 571.59		143.33
22 11 19 00-0390	EA 70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	9,607.06 1,360.44		214.99
22 11 19 00-0391	EA 83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	13,919.16 2,007.25		214.99
22 11 19 00-0392	EA 70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	13,226.32 1,903.33		214.99

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0393	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure <i>For Heated Enclosure, Add</i>	15,925.60 2,294.78	250.83
22 11 19 00-0394 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures (22 11 19 00-0380) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.				
22 11 19 00-0395	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	876.70 164.96	31.13
22 11 19 00-0396	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	1,226.42 234.91	31.13
22 11 19 00-0397	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	1,545.62 299.57	28.67
22 11 19 00-0398	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	2,344.03 459.25	28.67
22 11 19 00-0399	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	6,080.99 1,198.28	53.75
22 11 19 00-0400	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	8,314.57 1,645.00	53.75
22 11 19 00-0401	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	5,526.72 1,087.43	53.75
22 11 19 00-0402	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	6,259.15 1,233.91	53.75
22 11 19 00-0403	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	9,812.42 1,944.57	53.75
22 11 19 00-0404 Sectional, Insulated Aluminum Valve Enclosures (22 11 19 00-0380) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.				
22 11 19 00-0405	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,454.30 1,787.52 851.43 1,523.60	214.99
22 11 19 00-0406	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,731.10 1,979.04 851.43 1,523.60	214.99
22 11 19 00-0407	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,762.13 1,383.70 851.43 1,523.60	214.99
22 11 19 00-0408	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,705.71 1,525.23 851.43 1,523.60	214.99
22 11 19 00-0409	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,458.60 1,761.29 851.43 1,523.60	286.65
22 11 19 00-0410	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,969.65 1,987.95 851.43 1,523.60	286.65
22 11 19 00-0411	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,969.65 1,987.95 851.43 1,523.60	286.65
22 11 19 00-0412	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	15,434.50 2,207.68 851.43 1,523.60	286.65
22 11 19 00-0413	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,590.41 1,644.50 851.43 1,523.60	250.83
22 11 19 00-0414	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,570.44 1,928.07 851.43 1,523.60	286.65
22 11 19 00-0415	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	15,856.81 2,271.03 851.43 1,523.60	286.65
22 11 19 00-0416	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	17,406.06 2,496.69 851.43 1,523.60	304.57
22 11 19 00-0417	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	17,785.47 2,553.60 851.43 1,523.60	304.57
22 11 19 00-0418	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	19,717.42 2,836.68 851.43 1,523.60	322.49
22 11 19 00-0419	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	20,472.94 2,950.01 851.43 1,523.60	322.49

22 Plumbing**22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 11 19 00-0420	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	14,867.04	286.65
		For Heated Enclosure, Add	2,122.56	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0421	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	15,846.91	286.65
		For Heated Enclosure, Add	2,269.54	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0422	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	17,930.63	304.57
		For Heated Enclosure, Add	2,575.38	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0423	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	21,729.95	322.49
		For Heated Enclosure, Add	3,138.56	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0424	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	18,961.89	322.49
		For Heated Enclosure, Add	2,723.35	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0425	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	22,784.30	340.40
		For Heated Enclosure, Add	3,289.99	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0426	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	22,028.78	340.40
		For Heated Enclosure, Add	3,176.66	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0427	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	25,514.65	358.32
		For Heated Enclosure, Add	3,692.83	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0428	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	23,584.60	358.32
		For Heated Enclosure, Add	3,403.32	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0429	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	27,519.20	376.24
		For Heated Enclosure, Add	3,986.79	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0430	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	27,563.99	394.16
		For Heated Enclosure, Add	3,986.79	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	
22 11 19 00-0431	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	32,673.09	412.07
		For Heated Enclosure, Add	4,746.44	
		For One 24" Fluorescent Light Fixture, Add	851.43	
		For Two 24" Fluorescent Light Fixture, Add	1,523.60	

22 11 19 00-0432 Faucets (Hose Bibbs) (22 11 19)**22 11 19 00-0433 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends (22 11 19 00-0432)**

22 11 19 00-0434	EA	1/2", 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends.....	69.99	12.97
22 11 19 00-0435	EA	3/4", 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends.....	80.89	14.27
22 11 19 00-0436	EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL).....	20.68	9.73

22 11 19 00-0437 Chrome Plated Brass Hose Valves, Screwed Ends (22 11 19 00-0432)

22 11 19 00-0438	EA	3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP).....	234.37	39.69
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22 11 19 00-0439 Antisiphon Freezeless Wall Faucet (Woodford 19CP) (22 11 19 00-0432)

22 11 19 00-0440	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	147.41	32.43
22 11 19 00-0441	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	160.09	35.93
22 11 19 00-0442	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	169.51	38.01
22 11 19 00-0443	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	178.92	40.73
22 11 19 00-0444	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	188.47	43.19

22 11 19 00-0445 Escutcheons (22 11 19)**22 11 19 00-0446 Brass Escutcheons (22 11 19 00-0445)****22 11 19 00-0447 Shallow Brass Escutcheons (22 11 19 00-0446)**

22 11 19 00-0448	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	14.11	3.24
22 11 19 00-0449	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	15.16	3.24

22 11 19 00-0450 Deep Bell Brass Escutcheons (22 11 19 00-0446)

22 11 19 00-0451	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	16.53	3.63
22 11 19 00-0452	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	16.57	3.63

22 11 19 00-0453 Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0446)

22 11 19 00-0454	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.22	3.24
22 11 19 00-0455	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.47	3.24
22 11 19 00-0456	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.84	3.24

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0457	EA		3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.20	3.24
22 11 19 00-0458	EA		7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.62	3.89
22 11 19 00-0459	EA		1" IPS, Chrome Plated Brass Escutcheon With Setscrew	27.95	3.89
22 11 19 00-0460	EA		1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.96	4.28
22 11 19 00-0461	EA		1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	30.29	4.54
22 11 19 00-0462	EA		2" IPS, Chrome Plated Brass Escutcheon With Setscrew	43.42	5.19
22 11 19 00-0463 Plastic Escutcheons (22 11 19 00-0445)					
22 11 19 00-0464 Split-Ring White Plastic Escutcheons (22 11 19 00-0463)					
22 11 19 00-0465	EA		3/8" IPS, Split-Ring White Plastic Escutcheon	7.96	3.23
22 11 19 00-0466	EA		1/2" IPS, Split-Ring White Plastic Escutcheon	7.96	3.23
22 11 19 00-0467	EA		3/4" IPS, Split-Ring White Plastic Escutcheon	9.30	3.61
22 11 19 00-0468	EA		1" IPS, Split-Ring White Plastic Escutcheon	10.08	3.88
22 11 19 00-0469	EA		1-1/4" IPS, Split-Ring White Plastic Escutcheon	10.85	4.26
22 11 19 00-0470	EA		1-1/2" IPS, Split-Ring White Plastic Escutcheon	11.59	4.52
22 11 19 00-0471	EA		2" IPS, Split-Ring White Plastic Escutcheon	13.06	5.16
22 11 19 00-0472	EA		2-1/2" IPS, Split-Ring White Plastic Escutcheon	16.84	5.55
22 11 19 00-0473	EA		3" IPS, Split-Ring White Plastic Escutcheon	20.63	5.81
22 11 19 00-0474	EA		4" IPS, Split-Ring White Plastic Escutcheon	25.05	6.46
22 11 19 00-0475 Chrome Plate Plastic Escutcheons (22 11 19 00-0463)					
22 11 19 00-0476	EA		1/2" IPS, Chrome Plate Plastic Escutcheon	10.53	3.23
22 11 19 00-0477	EA		3/4" IPS, Chrome Plate Plastic Escutcheon	11.50	3.61
22 11 19 00-0478	EA		1" IPS, Chrome Plate Plastic Escutcheon	12.92	3.88
22 11 19 00-0479	EA		1-1/4" IPS, Chrome Plate Plastic Escutcheon	14.33	4.26
22 11 19 00-0480	EA		1-1/2" IPS, Chrome Plate Plastic Escutcheon	15.09	4.52
22 11 19 00-0481	EA		2" IPS, Chrome Plate Plastic Escutcheon	19.02	5.16
22 11 19 00-0482	EA		2-1/2" IPS, Chrome Plate Plastic Escutcheon	27.58	5.55
22 11 19 00-0483	EA		3" IPS, Chrome Plate Plastic Escutcheon	28.56	5.81
22 11 19 00-0484	EA		4" IPS, Chrome Plate Plastic Escutcheon	30.51	6.46
22 11 19 00-0485 Stainless Steel Escutcheons (22 11 19 00-0445)					
22 11 19 00-0486 Shallow Stainless Steel Escutcheons (22 11 19 00-0485)					
22 11 19 00-0487	EA		3/8" IPS, Shallow Stainless Steel Escutcheon	19.68	3.24
22 11 19 00-0488	EA		1/2" IPS, Shallow Stainless Steel Escutcheon	19.68	3.24
22 11 19 00-0489	EA		3/4" IPS, Shallow Stainless Steel Escutcheon	27.90	3.63
22 11 19 00-0490 Chrome Plated Steel Escutcheons (22 11 19 00-0445)					
22 11 19 00-0491 Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0490)					
22 11 19 00-0492	EA		1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.23	3.23
22 11 19 00-0493	EA		3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.87	3.61
22 11 19 00-0494	EA		1" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.67	3.88
22 11 19 00-0495	EA		1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.31	4.26
22 11 19 00-0496	EA		1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.96	4.52
22 11 19 00-0497	EA		2" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.48	5.16
22 11 19 00-0498	EA		2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	17.31	5.55
22 11 19 00-0499	EA		3" IPS, Split-Ring Chrome Plated Steel Escutcheon	18.38	5.81
22 11 19 00-0500	EA		3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	22.65	6.19
22 11 19 00-0501	EA		4" IPS, Split-Ring Chrome Plated Steel Escutcheon	20.05	6.46
22 11 19 00-0502	EA		5" IPS, Split-Ring Chrome Plated Steel Escutcheon	25.87	7.10
22 11 19 00-0503	EA		6" IPS, Split-Ring Chrome Plated Steel Escutcheon	30.17	7.75
22 11 19 00-0504 Split-Ring/Springs Chrome Plated Steel Escutcheons (22 11 19 00-0490)					
22 11 19 00-0505	EA		3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.58	3.23
22 11 19 00-0506	EA		1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.58	3.23
22 11 19 00-0507	EA		3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.38	3.61
22 11 19 00-0508	EA		1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.23	3.88
22 11 19 00-0509	EA		1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	14.81	4.26
22 11 19 00-0510	EA		1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	15.67	4.52
22 11 19 00-0511	EA		2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	18.58	5.16
22 11 19 00-0512	EA		2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	21.37	5.55
22 11 19 00-0513	EA		3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	26.12	5.81
22 11 19 00-0514	EA		3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	32.11	6.19
22 11 19 00-0515	EA		4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	32.59	6.46
22 11 19 00-0516	EA		5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	53.83	7.10
22 11 19 00-0517	EA		6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	56.19	7.75
22 11 19 00-0518 Deep Bell Chrome Plated Steel Escutcheons (22 11 19 00-0490)					
22 11 19 00-0519	EA		3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.85	3.63
22 11 19 00-0520	EA		1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.73	3.63
22 11 19 00-0521	EA		3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.46	3.63
22 11 19 00-0522	EA		1" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.41	3.89
22 11 19 00-0523	EA		1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	10.21	4.28
22 11 19 00-0524	EA		1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	11.23	4.54

MINOR	CSI	UOM	DESCRIPTION
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TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

22 11 19 00-0525	Shallow Chrome Plated Steel Escutcheons (22 11 19 00-0490)				
22 11 19 00-0526	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.95		3.24
22 11 19 00-0527	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.95		3.24
22 11 19 00-0528	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.08		3.24
22 11 19 00-0529	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon.....	8.65		3.89
22 11 19 00-0530	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	9.35		4.28
22 11 19 00-0531	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	10.36		4.54
22 11 19 00-0532	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon.....	11.74		5.19

22 11 19 00-0533	Keyed, Recessed Valve Boxes (22 11 19)				
22 11 19 00-0534	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box.....	376.77		38.73
22 11 19 00-0535	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box.....	419.53		38.73
22 11 19 00-0536	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box.....	483.68		38.73
22 11 19 00-0537	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box.....	466.74		51.64
22 11 19 00-0538	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box.....	530.88		51.64
22 11 19 00-0539	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box.....	550.12		51.64
22 11 19 00-0540	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	445.19		38.73
22 11 19 00-0541	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	539.27		38.73
22 11 19 00-0542	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	622.65		38.73
22 11 19 00-0543	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	586.47		51.64
22 11 19 00-0544	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	669.86		51.64
22 11 19 00-0545	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	701.93		51.64

22 11 23 Domestic Water Pumps (22 11)

22 11 23 13 Domestic Water Packaged Booster Pumps (22 11 23)

Note: Includes motor starter and controls.

22 11 23 13-0001	Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)				
22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	16,874.12		382.21
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	17,445.62		513.60
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	18,138.64		644.98
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	18,770.88		776.36
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	20,739.81		907.75
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	23,012.53		1,039.14
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	24,556.15		1,170.52

22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)

22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank.....	45,006.25		1,548.63
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank.....	54,389.27		1,645.42
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank.....	63,811.02		1,742.21

22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)

22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	59,568.89		1,645.42
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	74,418.61		1,742.21
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	92,686.42		1,935.79
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	117,688.51		2,129.36
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	142,690.58		2,322.95
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	166,307.83		2,613.31
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	189,925.09		2,903.68
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	213,542.36		3,194.04
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	237,401.58		3,581.21

22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid (22 11 23 13)

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1).....	43,270.09		1,703.67
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2).....	45,272.71		1,703.67
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3).....	48,134.22		1,703.67
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4).....	52,259.06		1,703.67
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5).....	49,276.71		1,810.16
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6).....	52,877.51		1,810.16
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7).....	57,767.74		1,810.16
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8).....	61,742.54		1,810.16
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9).....	53,859.09		1,916.63
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10).....	57,414.23		1,916.63
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11).....	65,363.84		1,916.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0035	EA		240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12).....	78,705.96	1,916.63
22 11 23 13-0036	EA		360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13).....	56,914.12	1,916.63
22 11 23 13-0037	EA		360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14).....	64,165.75	1,916.63
22 11 23 13-0038	EA		360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15).....	80,128.02	1,916.63
22 11 23 13-0039	EA		360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16).....	79,667.04	1,916.63
22 11 23 13-0040	EA		440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17).....	95,059.29	2,129.59
22 11 23 13-0041	EA		440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18).....	65,161.29	2,129.59
22 11 23 13-0042	EA		440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19).....	79,697.16	2,129.59
22 11 23 13-0043	EA		440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20).....	79,238.36	2,129.59
22 11 23 13-0044	EA		440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21).....	95,772.50	2,129.59
22 11 23 13-0045	EA		440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22).....	115,996.59	2,129.59
22 11 23 13-0046	EA		60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1).....	54,820.50	1,703.67
22 11 23 13-0047			Variable Speed Triplex Domestic Water Pressure Booster Skid (22 11 23 13) Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0048	EA		60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2).....	54,820.50	1,703.67
22 11 23 13-0049	EA		120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3).....	61,382.84	1,703.67
22 11 23 13-0050	EA		60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4).....	67,044.98	1,703.67
22 11 23 13-0051	EA		180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	61,649.04	1,810.16
22 11 23 13-0052	EA		180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	67,272.04	1,810.16
22 11 23 13-0053	EA		240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	62,962.38	1,810.16
22 11 23 13-0054	EA		240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	67,796.07	1,810.16
22 11 23 13-0055	EA		240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	74,443.21	1,810.16
22 11 23 13-0056	EA		240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	79,953.14	1,810.16
22 11 23 13-0057	EA		300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	63,546.04	1,916.63
22 11 23 13-0058	EA		300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	68,379.73	1,916.63
22 11 23 13-0059	EA		300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	75,024.70	1,916.63
22 11 23 13-0060	EA		300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	80,534.63	1,916.63
22 11 23 13-0061	EA		360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	68,982.04	1,916.63
22 11 23 13-0062	EA		360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	73,624.39	1,916.63
22 11 23 13-0063	EA		360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	85,094.35	1,916.63
22 11 23 13-0064	EA		360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	103,811.58	1,916.63
22 11 23 13-0065	EA		480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	70,462.48	2,129.59
22 11 23 13-0066	EA		480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	75,107.00	2,129.59
22 11 23 13-0067	EA		480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	86,576.96	2,129.59
22 11 23 13-0068	EA		480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	105,292.02	2,129.59
22 11 23 13-0069	EA		540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	74,354.66	2,129.59
22 11 23 13-0070	EA		540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	84,778.73	2,129.59
22 11 23 13-0071	EA		540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	107,422.93	2,129.59
22 11 23 13-0072	EA		540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	109,616.90	2,129.59
22 11 23 13-0073	EA		540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	135,903.22	2,129.59
22 11 23 13-0074	EA		660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	84,236.64	2,555.51
22 11 23 13-0075	EA		660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	101,416.57	2,555.51
22 11 23 13-0076	EA		660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	107,931.08	2,555.51

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	130,277.38	2,555.51
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	161,547.43	2,555.51

22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	1,197.50	214.99
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	1,229.72	214.99
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	1,287.33	219.17
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	1,419.51	228.13
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	2,554.82	236.61
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	2,726.25	236.61
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	4,080.25	260.51
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	4,254.01	286.20
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	5,152.26	314.88
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	5,264.49	346.55
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	5,757.14	380.60
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	8,258.06	418.84
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	9,515.55	439.16

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	1,247.77	214.99
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	2,096.21	214.99
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,104.84	219.17
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,141.20	223.95
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	2,149.55	228.13
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	2,189.80	236.61
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	2,678.48	260.51
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	3,457.14	314.88
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	3,641.31	346.55
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	4,251.78	380.60
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	5,744.20	418.84
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	6,719.00	439.16
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,027.68	461.27
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,478.89	507.04
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	7,117.91	537.74
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	9,024.86	597.49
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	9,567.30	717.11
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	12,209.11	836.85

22 12 Facility Potable-Water Storage Tanks (22 10)

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	45,299.40	10,181.42
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	51,651.17	10,181.42
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	93,530.28	15,712.10
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	120,710.87	20,362.85

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)

22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	54,709.42	10,181.42
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	76,822.97	10,181.42
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	114,389.88	15,712.10
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	165,159.49	20,362.85

22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	2,868.33	477.76
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	3,553.08	597.20
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	6,590.34	656.92
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	7,288.89	716.64
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	14,525.85	776.36
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	12,504.29	836.08
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	21,504.05	895.80
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	19,807.23	955.52
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	21,519.25	1,015.24

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 12 23 13-0011	EA		1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	25,649.72	1,074.96
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22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)

22 12 23 13-0013	EA		80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	2,449.60	477.76
22 12 23 13-0014	EA		120 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	4,732.46	597.20
22 12 23 13-0015	EA		140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	5,924.39	656.92
22 12 23 13-0016	EA		200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	7,330.11	716.64
22 12 23 13-0017	EA		200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	6,217.49	716.64
22 12 23 13-0018	EA		250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	9,639.84	776.36
22 12 23 13-0019	EA		325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	10,433.21	836.08
22 12 23 13-0020	EA		350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	9,927.76	836.08
22 12 23 13-0021	EA		350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	9,053.42	836.08
22 12 23 13-0022	EA		400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	12,405.96	895.80
22 12 23 13-0023	EA		500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	13,459.33	955.52
22 12 23 13-0024	EA		750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	15,633.09	1,015.24
22 12 23 13-0025	EA		1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	29,393.56	1,074.96

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23 26)

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA		100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	774.56	268.75
			For Saddle Assembly, Add.....	863.91	
22 12 23 26-0003	EA		150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	907.31	313.53
			For Saddle Assembly, Add.....	863.91	
22 12 23 26-0004	EA		200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,076.57	358.32
			For Saddle Assembly, Add.....	988.06	
22 12 23 26-0005	EA		300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,311.56	403.11
			For Saddle Assembly, Add.....	1,472.49	
22 12 23 26-0006	EA		335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,573.33	447.91
			For Two Tie Down Bands, Add.....	496.39	
22 12 23 26-0007	EA		535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,025.71	604.77
			For Two Tie Down Bands, Add.....	530.47	
22 12 23 26-0008	EA		1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	3,029.81	705.56
			For Three Tie Down Bands, Add.....	905.24	
22 12 23 26-0009	EA		1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	4,373.60	806.37
			For Three Tie Down Bands, Add.....	912.55	
22 12 23 26-0010	EA		1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	5,459.81	907.16
			For Four Tie Down Bands, Add.....	1,236.20	
22 12 23 26-0011	EA		2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	6,396.19	1,007.96
			For Four Tie Down Bands, Add.....	1,732.80	
22 12 23 26-0012	EA		2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	9,146.35	1,108.75
			For Four Tie Down Bands, Add.....	2,278.08	
22 12 23 26-0013	EA		3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	10,595.26	1,209.55
			For Four Tie Down Bands, Add.....	2,463.09	
22 12 23 26-0014	EA		4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	15,220.26	1,612.72
			For Four Tie Down Bands, Add.....	2,784.42	
22 12 23 26-0015	EA		5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	19,694.28	1,612.72
			For Five Tie Down Bands, Add.....	4,369.04	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)

22 12 23 26-0017	EA		100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	845.32	358.32
22 12 23 26-0018	EA		160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,018.81	380.72
22 12 23 26-0019	EA		210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,119.25	403.11
22 12 23 26-0020	EA		300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,356.68	447.91
22 12 23 26-0021	EA		405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,546.71	537.48
22 12 23 26-0022	EA		500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,826.82	627.07
22 12 23 26-0023	EA		800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,545.44	806.37
22 12 23 26-0024	EA		1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,296.21	1,007.96
22 12 23 26-0025	EA		2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,431.62	1,209.55
22 12 23 26-0026	EA		3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,795.84	1,411.13
22 12 23 26-0027	EA		4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,530.58	1,612.72
22 12 23 26-0028	EA		5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	11,552.56	1,814.31
22 12 23 26-0029	EA		6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,096.92	2,015.90
22 12 23 26-0030	EA		7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	14,431.93	2,217.50
22 12 23 26-0031	EA		8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	16,628.68	2,419.09
22 12 23 26-0032	EA		9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	18,784.05	2,620.68
22 12 23 26-0033	EA		10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	23,252.00	2,822.27
22 12 23 26-0034	EA		12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	27,976.58	3,225.45

22 13 Facility Sanitary Sewerage (22 10)

22 13 13 Facility Sanitary Sewers (22 13)

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 13 00-0001		Fixture Rough-In (22 13 13) Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0383 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.	
22 13 13 00-0002		Single Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001) Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.	
22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,117.38 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,466.01 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,019.86 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 657.79 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 775.03 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 992.29 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0009	EA	Bathub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,052.78 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 636.77 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,019.86 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,051.60 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 991.86 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,117.38 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,749.30 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0016	EA	Bathub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,082.68 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	
22 13 13 00-0017		Double Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.	
22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,447.42 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,964.84 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,250.43 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 783.23 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,057.42 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,119.23 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 741.83 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,262.36 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,106.25 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,076.43 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe 1,447.42 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	
22 13 13 00-0029		Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe (22 13 13 00-0001) Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.	
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 723.15 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 982.42 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe 625.81 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0033	EA		Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....392.21 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0034	EA		Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....528.73 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0035	EA		Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....559.59 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0036	EA		Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....400.78 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0037	EA		Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet .....630.59 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0038	EA		Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....553.13 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0039	EA		Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....538.79 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0040	EA		Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....714.77 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0041			Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 13 00-0001) Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet .....678.77 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0043	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet.....756.83 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0044	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet .....643.08 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0045	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal .....389.12 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0046	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory.....456.23 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0047	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink.....617.78 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0048	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub.....627.65 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0049	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler.....384.53 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0050	EA		Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink .....643.08 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0051	EA		Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....682.14 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0052	EA		Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....629.76 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0053	EA		Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....678.62 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0054	EA		Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....1,048.97 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0055	EA		Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....653.77 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0056			Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ^(22 13 13 00-0001) Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA		Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....829.38 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0058	EA		Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....991.24 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0059	EA		Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....720.84 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.		
22 13 13 00-0060	EA		Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....434.83 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0061	EA		Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....635.32 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.		
22 13 13 00-0062	EA		Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....664.05 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.		
22 13 13 00-0063	EA		Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe422.82 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.		

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
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22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe731.46 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....702.06 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....675.40 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....829.38 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	

22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe (22 13 13 00-0001)

Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....414.21 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....495.05 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....360.78 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....217.48 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....317.63 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....331.73 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....211.40 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....365.63 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....351.06 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....338.21 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....406.29 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	

22 13 16 Sanitary Waste and Vent Piping (22 13)
22 13 16 00-0001 Cast Iron Soil Pipe Assemblies (22 13 16)
22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....36.58 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	7.53
		<i>For Work In Restricted Working Space, Add</i>	5.52
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....52.18 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	11.34
		<i>For Work In Restricted Working Space, Add</i>	7.49
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....67.69 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	14.45
		<i>For Work In Restricted Working Space, Add</i>	9.63
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....78.59 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	17.44
		<i>For Work In Restricted Working Space, Add</i>	9.82
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....92.20 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	19.01
		<i>For Work In Restricted Working Space, Add</i>	10.90
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....146.07 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	27.10
		<i>For Work In Restricted Working Space, Add</i>	15.35
22 13 16 00-0009	LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....213.60 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	27.10
		<i>For Work In Restricted Working Space, Add</i>	17.37

22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)

Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0011	LF		1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	38.09 6.29	7.17
22 13 16 00-0012	LF		2" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	40.33 6.76	7.64
22 13 16 00-0013	LF		3" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	51.91 8.29	11.11
22 13 16 00-0014	LF		4" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	62.82 9.92	14.45
22 13 16 00-0015	LF		5" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	82.08 11.61	17.11
22 13 16 00-0016	LF		6" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	94.19 12.65	18.67
22 13 16 00-0017	LF		8" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	148.82 17.49	26.88
22 13 16 00-0018	LF		10" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	216.08 20.33	30.54
22 13 16 00-0019			Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020			Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF		2" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.93 6.12 0.57 3.41	7.53
22 13 16 00-0022	LF		3" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.92 8.76 0.85 5.12	11.34
22 13 16 00-0023	LF		4" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.84 11.39 1.09 6.51	14.45
22 13 16 00-0024	LF		5" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.37 16.08 1.30 7.83	17.44
22 13 16 00-0025	LF		6" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.08 19.58 1.42 8.54	19.01
22 13 16 00-0026	LF		8" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.17 30.45 2.03 12.20	27.10
22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.47 50.70 2.29 13.73	30.54
22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.36 73.66 3.05 18.30	40.71
22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	329.51 107.65 3.66 21.96	48.83
22 13 16 00-0030			Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031			Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.32 23.08 2.57 15.41	34.28
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.38 46.84 3.23 19.37	43.12

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22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep.....	264.29	57.33
		For Extra Heavy Fittings, Add	62.43	
		For Above Ground Cast Iron Pipe Installation, Add	4.30	
		For Work In Restricted Working Space, Add	25.78	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep.....	410.93	73.80
		For Extra Heavy Fittings, Add	105.11	
		For Above Ground Cast Iron Pipe Installation, Add	5.53	
		For Work In Restricted Working Space, Add	33.19	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep.....	812.75	95.39
		For Extra Heavy Fittings, Add	234.43	
		For Above Ground Cast Iron Pipe Installation, Add	7.15	
		For Work In Restricted Working Space, Add	42.89	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep.....	1,111.48	117.34
		For Extra Heavy Fittings, Add	327.43	
		For Above Ground Cast Iron Pipe Installation, Add	8.80	
		For Work In Restricted Working Space, Add	52.79	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep.....	1,704.13	163.78
		For Extra Heavy Fittings, Add	510.50	
		For Above Ground Cast Iron Pipe Installation, Add	12.28	
		For Work In Restricted Working Space, Add	73.67	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep.....	3,162.91	228.06
		For Extra Heavy Fittings, Add	987.34	
		For Above Ground Cast Iron Pipe Installation, Add	17.10	
		For Work In Restricted Working Space, Add	102.58	

22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)

22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep.....	99.91	34.28
		For Extra Heavy Fittings, Add	16.99	
		For Above Ground Cast Iron Pipe Installation, Add	2.57	
		For Work In Restricted Working Space, Add	15.41	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep.....	169.16	43.12
		For Extra Heavy Fittings, Add	36.61	
		For Above Ground Cast Iron Pipe Installation, Add	3.23	
		For Work In Restricted Working Space, Add	19.37	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep.....	231.43	57.33
		For Extra Heavy Fittings, Add	50.93	
		For Above Ground Cast Iron Pipe Installation, Add	4.30	
		For Work In Restricted Working Space, Add	25.78	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep.....	345.60	62.73
		For Extra Heavy Fittings, Add	88.06	
		For Above Ground Cast Iron Pipe Installation, Add	4.70	
		For Work In Restricted Working Space, Add	28.20	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep.....	417.19	73.80
		For Extra Heavy Fittings, Add	107.30	
		For Above Ground Cast Iron Pipe Installation, Add	5.53	
		For Work In Restricted Working Space, Add	33.19	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep.....	686.81	95.39
		For Extra Heavy Fittings, Add	190.35	
		For Above Ground Cast Iron Pipe Installation, Add	7.15	
		For Work In Restricted Working Space, Add	42.89	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep.....	1,004.02	117.34
		For Extra Heavy Fittings, Add	289.82	
		For Above Ground Cast Iron Pipe Installation, Add	8.80	
		For Work In Restricted Working Space, Add	52.79	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep.....	1,664.05	163.78
		For Extra Heavy Fittings, Add	496.47	
		For Above Ground Cast Iron Pipe Installation, Add	12.28	
		For Work In Restricted Working Space, Add	73.67	

22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)

22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend.....	90.03	34.16
		For Extra Heavy Fittings, Add	13.57	
		For Above Ground Cast Iron Pipe Installation, Add	2.56	
		For Work In Restricted Working Space, Add	15.38	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend.....	135.16	38.46
		For Extra Heavy Fittings, Add	27.11	
		For Above Ground Cast Iron Pipe Installation, Add	2.89	
		For Work In Restricted Working Space, Add	17.31	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend.....	193.08	51.24
		For Extra Heavy Fittings, Add	40.70	
		For Above Ground Cast Iron Pipe Installation, Add	3.84	
		For Work In Restricted Working Space, Add	23.04	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend.....	240.11	56.02
		For Extra Heavy Fittings, Add	54.66	
		For Above Ground Cast Iron Pipe Installation, Add	4.20	
		For Work In Restricted Working Space, Add	25.18	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend.....	288.80	67.09
		For Extra Heavy Fittings, Add	65.85	
		For Above Ground Cast Iron Pipe Installation, Add	5.03	
		For Work In Restricted Working Space, Add	30.20	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend.....	598.51	87.83
		For Extra Heavy Fittings, Add	163.40	
		For Above Ground Cast Iron Pipe Installation, Add	6.58	
		For Work In Restricted Working Space, Add	39.50	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend.....	882.12	106.59
		For Extra Heavy Fittings, Add	252.82	
		For Above Ground Cast Iron Pipe Installation, Add	7.99	
		For Work In Restricted Working Space, Add	47.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0057	EA		12" Bell And Spigot Cast Iron 1/4 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,162.64 340.89 9.43 56.60	125.81
22 13 16 00-0058	EA		15" Bell And Spigot Cast Iron 1/4 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	2,968.05 934.71 14.87 89.24	198.44
22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0060	EA		2" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	82.32 10.83 2.57 15.41	34.28
22 13 16 00-0061	EA		3" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	128.43 22.35 3.23 19.37	43.12
22 13 16 00-0062	EA		4" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	182.83 33.92 4.30 25.78	57.33
22 13 16 00-0063	EA		5" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	227.25 42.77 5.25 31.52	70.11
22 13 16 00-0064	EA		6" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	262.74 50.93 5.86 35.17	78.16
22 13 16 00-0065	EA		8" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	521.82 127.42 7.89 47.33	105.22
22 13 16 00-0066	EA		10" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	729.41 187.16 9.73 58.40	129.82
22 13 16 00-0067	EA		12" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,177.60 323.84 12.62 75.70	168.35
22 13 16 00-0068	EA		15" Bell And Spigot Cast Iron 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	2,253.71 684.69 14.87 89.24	198.44
22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)					
22 13 16 00-0070	EA		2" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	144.62 10.42 5.74 34.46	76.56
22 13 16 00-0071	EA		3" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	181.50 19.52 6.29 37.72	83.85
22 13 16 00-0072	EA		4" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	238.92 25.98 8.24 49.41	109.89
22 13 16 00-0073	EA		5" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	304.61 43.28 9.05 54.28	120.65
22 13 16 00-0074	EA		6" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	382.00 58.65 10.72 64.33	143.01
22 13 16 00-0075	EA		8" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	698.98 143.81 14.41 86.43	192.15
22 13 16 00-0076	EA		10" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	978.95 228.26 16.34 98.03	217.99
22 13 16 00-0077	EA		12" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,447.00 367.21 19.89 119.35	265.35
22 13 16 00-0078	EA		15" Bell And Spigot Cast Iron Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	2,242.89 628.80 22.32 133.90	297.72
22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)					

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 13 16 00-0080	EA 3" x 2" Bell And Spigot Cast Iron Reducing Wye	227.09		80.02
	For Extra Heavy Fittings, Add	37.48		
	For Above Ground Cast Iron Pipe Installation, Add	6.00		
	For Work In Restricted Working Space, Add	36.00		
22 13 16 00-0081	EA 4" x 2" Bell And Spigot Cast Iron Reducing Wye	276.47		98.90
	For Extra Heavy Fittings, Add	44.85		
	For Above Ground Cast Iron Pipe Installation, Add	7.42		
	For Work In Restricted Working Space, Add	44.50		
22 13 16 00-0082	EA 4" x 3" Bell And Spigot Cast Iron Reducing Wye	308.09		101.40
	For Extra Heavy Fittings, Add	54.59		
	For Above Ground Cast Iron Pipe Installation, Add	7.61		
	For Work In Restricted Working Space, Add	45.63		
22 13 16 00-0083	EA 6" x 2" Bell And Spigot Cast Iron Reducing Wye	452.00		128.14
	For Extra Heavy Fittings, Add	90.99		
	For Above Ground Cast Iron Pipe Installation, Add	9.60		
	For Work In Restricted Working Space, Add	57.61		
22 13 16 00-0084	EA 6" x 3" Bell And Spigot Cast Iron Reducing Wye	463.70		130.49
	For Extra Heavy Fittings, Add	93.81		
	For Above Ground Cast Iron Pipe Installation, Add	9.78		
	For Work In Restricted Working Space, Add	58.70		
22 13 16 00-0085	EA 6" x 4" Bell And Spigot Cast Iron Reducing Wye	485.42		139.22
	For Extra Heavy Fittings, Add	96.84		
	For Above Ground Cast Iron Pipe Installation, Add	10.44		
	For Work In Restricted Working Space, Add	62.62		
22 13 16 00-0086	EA 8" x 2" Bell And Spigot Cast Iron Reducing Wye	713.84		154.52
	For Extra Heavy Fittings, Add	168.77		
	For Above Ground Cast Iron Pipe Installation, Add	11.58		
	For Work In Restricted Working Space, Add	69.50		
22 13 16 00-0087	EA 8" x 3" Bell And Spigot Cast Iron Reducing Wye	746.12		157.49
	For Extra Heavy Fittings, Add	178.52		
	For Above Ground Cast Iron Pipe Installation, Add	11.80		
	For Work In Restricted Working Space, Add	70.82		
22 13 16 00-0088	EA 8" x 4" Bell And Spigot Cast Iron Reducing Wye	764.14		164.93
	For Extra Heavy Fittings, Add	180.90		
	For Above Ground Cast Iron Pipe Installation, Add	12.36		
	For Work In Restricted Working Space, Add	74.19		
22 13 16 00-0089	EA 8" x 6" Bell And Spigot Cast Iron Reducing Wye	902.75		183.46
	For Extra Heavy Fittings, Add	219.68		
	For Above Ground Cast Iron Pipe Installation, Add	13.76		
	For Work In Restricted Working Space, Add	82.53		
22 13 16 00-0090	EA 10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,112.56		171.90
	For Extra Heavy Fittings, Add	299.19		
	For Above Ground Cast Iron Pipe Installation, Add	12.89		
	For Work In Restricted Working Space, Add	77.32		
22 13 16 00-0091	EA 10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,157.36		179.45
	For Extra Heavy Fittings, Add	310.89		
	For Above Ground Cast Iron Pipe Installation, Add	13.46		
	For Work In Restricted Working Space, Add	80.73		
22 13 16 00-0092	EA 10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,266.18		198.44
	For Extra Heavy Fittings, Add	339.05		
	For Above Ground Cast Iron Pipe Installation, Add	14.87		
	For Work In Restricted Working Space, Add	89.24		
22 13 16 00-0093	EA 10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,673.57		210.45
	For Extra Heavy Fittings, Add	475.32		
	For Above Ground Cast Iron Pipe Installation, Add	15.78		
	For Work In Restricted Working Space, Add	94.65		
22 13 16 00-0094	EA 12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,722.47		210.45
	For Extra Heavy Fittings, Add	492.44		
	For Above Ground Cast Iron Pipe Installation, Add	15.78		
	For Work In Restricted Working Space, Add	94.65		
22 13 16 00-0095	EA 12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,792.84		228.06
	For Extra Heavy Fittings, Add	507.82		
	For Above Ground Cast Iron Pipe Installation, Add	17.10		
	For Work In Restricted Working Space, Add	102.58		
22 13 16 00-0096	EA 12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,104.98		239.38
	For Extra Heavy Fittings, Add	611.16		
	For Above Ground Cast Iron Pipe Installation, Add	17.94		
	For Work In Restricted Working Space, Add	107.64		
22 13 16 00-0097	EA 12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,558.29		246.48
	For Extra Heavy Fittings, Add	766.06		
	For Above Ground Cast Iron Pipe Installation, Add	18.48		
	For Work In Restricted Working Space, Add	110.86		
22 13 16 00-0098	EA 15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,228.26		232.40
	For Extra Heavy Fittings, Add	1,357.94		
	For Above Ground Cast Iron Pipe Installation, Add	17.42		
	For Work In Restricted Working Space, Add	104.53		
22 13 16 00-0099	EA 15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,412.96		251.50
	For Extra Heavy Fittings, Add	1,412.53		
	For Above Ground Cast Iron Pipe Installation, Add	18.86		
	For Work In Restricted Working Space, Add	113.15		
22 13 16 00-0100	EA 15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,503.45		262.37
	For Extra Heavy Fittings, Add	1,438.53		
	For Above Ground Cast Iron Pipe Installation, Add	19.67		
	For Work In Restricted Working Space, Add	118.01		
22 13 16 00-0101	EA 15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,608.35		271.29
	For Extra Heavy Fittings, Add	1,470.59		
	For Above Ground Cast Iron Pipe Installation, Add	20.33		
	For Work In Restricted Working Space, Add	122.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0102	EA		15" x 12" Bell And Spigot Cast Iron Reducing Wye For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	4,724.92 1,503.09 21.52 129.11	287.08
22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0104	EA		2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	157.37 14.88 5.74 34.46	76.56
22 13 16 00-0105	EA		3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	189.36 22.27 6.29 37.72	83.85
22 13 16 00-0106	EA		4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	252.60 30.77 8.24 49.41	109.89
22 13 16 00-0107	EA		5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	348.98 55.74 9.49 56.91	126.58
22 13 16 00-0108	EA		6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	437.01 70.58 11.77 70.60	156.99
22 13 16 00-0109	EA		8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	801.08 171.82 15.51 93.05	206.90
22 13 16 00-0110	EA		10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,155.64 262.14 20.33 122.00	271.29
22 13 16 00-0111	EA		12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	1,549.22 359.23 26.14 156.85	348.73
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0113	EA		3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	167.73 16.70 6.00 36.00	80.02
22 13 16 00-0114	EA		4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	236.00 30.68 7.42 44.50	98.90
22 13 16 00-0115	EA		4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	254.68 35.90 7.61 45.63	101.40
22 13 16 00-0116	EA		6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	375.40 64.18 9.60 57.61	128.14
22 13 16 00-0117	EA		6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	390.98 68.36 9.78 58.70	130.49
22 13 16 00-0118	EA		6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	414.46 72.01 10.44 62.62	139.22
22 13 16 00-0119	EA		8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	571.56 118.97 11.58 69.50	154.52
22 13 16 00-0120	EA		8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	587.20 118.97 12.36 74.19	164.93
22 13 16 00-0121	EA		8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	741.73 163.32 13.76 82.53	183.46
22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)					
22 13 16 00-0123	EA		2" Bell And Spigot Cast Iron Double Wye..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	254.90 41.16 6.86 41.19	91.61
22 13 16 00-0124	EA		3" Bell And Spigot Cast Iron Double Wye..... For Extra Heavy Fittings, Add For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	370.56 69.11 8.66 51.93	115.49

22 Plumbing
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MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	502.58	146.07
		For Extra Heavy Fittings, Add	99.23	
		For Above Ground Cast Iron Pipe Installation, Add	10.95	
		For Work In Restricted Working Space, Add	65.72	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	958.32	219.72
		For Extra Heavy Fittings, Add	220.11	
		For Above Ground Cast Iron Pipe Installation, Add	16.47	
		For Work In Restricted Working Space, Add	98.83	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,920.11	259.74
		For Extra Heavy Fittings, Add	535.77	
		For Above Ground Cast Iron Pipe Installation, Add	19.47	
		For Work In Restricted Working Space, Add	116.81	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,544.61	290.62
		For Extra Heavy Fittings, Add	738.12	
		For Above Ground Cast Iron Pipe Installation, Add	21.79	
		For Work In Restricted Working Space, Add	130.71	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,764.35	348.73
		For Extra Heavy Fittings, Add	434.53	
		For Above Ground Cast Iron Pipe Installation, Add	26.14	
		For Work In Restricted Working Space, Add	156.85	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	4,975.31	366.00
		For Extra Heavy Fittings, Add	1,549.21	
		For Above Ground Cast Iron Pipe Installation, Add	27.45	
		For Work In Restricted Working Space, Add	164.70	
22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)				
22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	231.85	108.33
		For Extra Heavy Fittings, Add	24.29	
		For Above Ground Cast Iron Pipe Installation, Add	8.12	
		For Work In Restricted Working Space, Add	48.74	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	269.39	124.45
		For Extra Heavy Fittings, Add	28.97	
		For Above Ground Cast Iron Pipe Installation, Add	9.33	
		For Work In Restricted Working Space, Add	55.99	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	291.69	130.55
		For Extra Heavy Fittings, Add	33.56	
		For Above Ground Cast Iron Pipe Installation, Add	9.79	
		For Work In Restricted Working Space, Add	58.74	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	371.58	152.41
		For Extra Heavy Fittings, Add	50.09	
		For Above Ground Cast Iron Pipe Installation, Add	11.42	
		For Work In Restricted Working Space, Add	68.54	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	393.92	158.22
		For Extra Heavy Fittings, Add	54.86	
		For Above Ground Cast Iron Pipe Installation, Add	11.86	
		For Work In Restricted Working Space, Add	71.16	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	453.27	172.54
		For Extra Heavy Fittings, Add	68.11	
		For Above Ground Cast Iron Pipe Installation, Add	12.93	
		For Work In Restricted Working Space, Add	77.60	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	732.11	200.15
		For Extra Heavy Fittings, Add	151.24	
		For Above Ground Cast Iron Pipe Installation, Add	15.00	
		For Work In Restricted Working Space, Add	90.00	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	797.40	236.86
		For Extra Heavy Fittings, Add	154.77	
		For Above Ground Cast Iron Pipe Installation, Add	17.76	
		For Work In Restricted Working Space, Add	106.56	
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	779.91	214.10
		For Extra Heavy Fittings, Add	160.60	
		For Above Ground Cast Iron Pipe Installation, Add	16.05	
		For Work In Restricted Working Space, Add	96.32	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	908.93	251.50
		For Extra Heavy Fittings, Add	186.12	
		For Above Ground Cast Iron Pipe Installation, Add	18.86	
		For Work In Restricted Working Space, Add	113.15	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,120.09	274.15
		For Extra Heavy Fittings, Add	248.17	
		For Above Ground Cast Iron Pipe Installation, Add	20.55	
		For Work In Restricted Working Space, Add	123.31	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	1,144.09	280.44
		For Extra Heavy Fittings, Add	253.26	
		For Above Ground Cast Iron Pipe Installation, Add	21.02	
		For Work In Restricted Working Space, Add	126.15	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,462.54	305.14
		For Extra Heavy Fittings, Add	351.77	
		For Above Ground Cast Iron Pipe Installation, Add	22.87	
		For Work In Restricted Working Space, Add	137.25	
22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0030)				
22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	212.74	91.61
		For Extra Heavy Fittings, Add	26.41	
		For Above Ground Cast Iron Pipe Installation, Add	6.86	
		For Work In Restricted Working Space, Add	41.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0147	EA		3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	286.50	122.55
			For Extra Heavy Fittings, Add	35.96	
			For Above Ground Cast Iron Pipe Installation, Add	9.19	
			For Work In Restricted Working Space, Add	55.13	
22 13 16 00-0148	EA		4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	374.29	153.24
			For Extra Heavy Fittings, Add	50.61	
			For Above Ground Cast Iron Pipe Installation, Add	11.48	
			For Work In Restricted Working Space, Add	68.91	
22 13 16 00-0149	EA		6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	816.44	245.56
			For Extra Heavy Fittings, Add	156.89	
			For Above Ground Cast Iron Pipe Installation, Add	18.41	
			For Work In Restricted Working Space, Add	110.45	
22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0030)					
22 13 16 00-0151	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	283.97	109.89
			For Extra Heavy Fittings, Add	41.74	
			For Above Ground Cast Iron Pipe Installation, Add	8.24	
			For Work In Restricted Working Space, Add	49.41	
22 13 16 00-0152	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	336.90	124.45
			For Extra Heavy Fittings, Add	52.59	
			For Above Ground Cast Iron Pipe Installation, Add	9.33	
			For Work In Restricted Working Space, Add	55.99	
22 13 16 00-0153	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	378.20	138.56
			For Extra Heavy Fittings, Add	59.69	
			For Above Ground Cast Iron Pipe Installation, Add	10.38	
			For Work In Restricted Working Space, Add	62.30	
22 13 16 00-0154	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	753.19	183.16
			For Extra Heavy Fittings, Add	167.49	
			For Above Ground Cast Iron Pipe Installation, Add	13.73	
			For Work In Restricted Working Space, Add	82.39	
22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0156	EA		2" Bell And Spigot Cast Iron Sanitary Tee	173.75	76.68
			For Extra Heavy Fittings, Add	20.58	
			For Above Ground Cast Iron Pipe Installation, Add	5.75	
			For Work In Restricted Working Space, Add	34.49	
22 13 16 00-0157	EA		3" Bell And Spigot Cast Iron Sanitary Tee	197.53	83.85
			For Extra Heavy Fittings, Add	25.13	
			For Above Ground Cast Iron Pipe Installation, Add	6.29	
			For Work In Restricted Working Space, Add	37.72	
22 13 16 00-0158	EA		4" Bell And Spigot Cast Iron Sanitary Tee	317.49	102.72
			For Extra Heavy Fittings, Add	57.19	
			For Above Ground Cast Iron Pipe Installation, Add	7.70	
			For Work In Restricted Working Space, Add	46.22	
22 13 16 00-0159	EA		5" Bell And Spigot Cast Iron Sanitary Tee	458.31	111.60
			For Extra Heavy Fittings, Add	101.82	
			For Above Ground Cast Iron Pipe Installation, Add	8.37	
			For Work In Restricted Working Space, Add	50.22	
22 13 16 00-0160	EA		6" Bell And Spigot Cast Iron Sanitary Tee	549.81	133.85
			For Extra Heavy Fittings, Add	122.19	
			For Above Ground Cast Iron Pipe Installation, Add	10.04	
			For Work In Restricted Working Space, Add	60.21	
22 13 16 00-0161	EA		8" Bell And Spigot Cast Iron Sanitary Tee	1,182.43	175.56
			For Extra Heavy Fittings, Add	321.72	
			For Above Ground Cast Iron Pipe Installation, Add	13.16	
			For Work In Restricted Working Space, Add	78.97	
22 13 16 00-0162	EA		10" Bell And Spigot Cast Iron Sanitary Tee	1,776.91	214.10
			For Extra Heavy Fittings, Add	509.55	
			For Above Ground Cast Iron Pipe Installation, Add	16.05	
			For Work In Restricted Working Space, Add	96.32	
22 13 16 00-0163	EA		12" Bell And Spigot Cast Iron Sanitary Tee	2,651.33	251.50
			For Extra Heavy Fittings, Add	795.96	
			For Above Ground Cast Iron Pipe Installation, Add	18.86	
			For Work In Restricted Working Space, Add	113.15	
22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)					
22 13 16 00-0165	EA		3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	232.67	80.02
			For Extra Heavy Fittings, Add	39.43	
			For Above Ground Cast Iron Pipe Installation, Add	6.00	
			For Work In Restricted Working Space, Add	36.00	
22 13 16 00-0166	EA		4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	275.46	93.76
			For Extra Heavy Fittings, Add	47.23	
			For Above Ground Cast Iron Pipe Installation, Add	7.03	
			For Work In Restricted Working Space, Add	42.16	
22 13 16 00-0167	EA		4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	288.46	93.76
			For Extra Heavy Fittings, Add	51.78	
			For Above Ground Cast Iron Pipe Installation, Add	7.03	
			For Work In Restricted Working Space, Add	42.16	
22 13 16 00-0168	EA		6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	434.67	128.14
			For Extra Heavy Fittings, Add	84.92	
			For Above Ground Cast Iron Pipe Installation, Add	9.60	
			For Work In Restricted Working Space, Add	57.61	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	452.56	130.49
		For Extra Heavy Fittings, Add	89.91	
		For Above Ground Cast Iron Pipe Installation, Add	9.78	
		For Work In Restricted Working Space, Add	58.70	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	490.99	139.22
		For Extra Heavy Fittings, Add	98.79	
		For Above Ground Cast Iron Pipe Installation, Add	10.44	
		For Work In Restricted Working Space, Add	62.62	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	837.80	164.93
		For Extra Heavy Fittings, Add	206.68	
		For Above Ground Cast Iron Pipe Installation, Add	12.36	
		For Work In Restricted Working Space, Add	74.19	
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	1,051.93	183.46
		For Extra Heavy Fittings, Add	271.89	
		For Above Ground Cast Iron Pipe Installation, Add	13.76	
		For Work In Restricted Working Space, Add	62.53	

22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)

22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	149.20	76.56
		For Extra Heavy Fittings, Add	12.02	
		For Above Ground Cast Iron Pipe Installation, Add	5.74	
		For Work In Restricted Working Space, Add	34.46	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	185.52	83.85
		For Extra Heavy Fittings, Add	20.93	
		For Above Ground Cast Iron Pipe Installation, Add	6.29	
		For Work In Restricted Working Space, Add	37.72	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	245.73	109.89
		For Extra Heavy Fittings, Add	28.36	
		For Above Ground Cast Iron Pipe Installation, Add	8.24	
		For Work In Restricted Working Space, Add	49.41	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	310.60	126.58
		For Extra Heavy Fittings, Add	42.31	
		For Above Ground Cast Iron Pipe Installation, Add	9.49	
		For Work In Restricted Working Space, Add	56.91	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	391.08	156.99
		For Extra Heavy Fittings, Add	54.51	
		For Above Ground Cast Iron Pipe Installation, Add	11.77	
		For Work In Restricted Working Space, Add	70.60	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	672.58	206.90
		For Extra Heavy Fittings, Add	126.85	
		For Above Ground Cast Iron Pipe Installation, Add	15.51	
		For Work In Restricted Working Space, Add	93.05	

22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)

22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	153.23	76.56
		For Extra Heavy Fittings, Add	13.43	
		For Above Ground Cast Iron Pipe Installation, Add	5.74	
		For Work In Restricted Working Space, Add	34.46	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	169.12	83.85
		For Extra Heavy Fittings, Add	15.19	
		For Above Ground Cast Iron Pipe Installation, Add	6.29	
		For Work In Restricted Working Space, Add	37.72	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	218.18	109.89
		For Extra Heavy Fittings, Add	18.72	
		For Above Ground Cast Iron Pipe Installation, Add	8.24	
		For Work In Restricted Working Space, Add	49.41	

22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)

22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	155.77	76.56
		For Extra Heavy Fittings, Add	14.32	
		For Above Ground Cast Iron Pipe Installation, Add	5.74	
		For Work In Restricted Working Space, Add	34.46	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	173.95	83.85
		For Extra Heavy Fittings, Add	16.88	
		For Above Ground Cast Iron Pipe Installation, Add	6.29	
		For Work In Restricted Working Space, Add	37.72	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	230.31	109.89
		For Extra Heavy Fittings, Add	22.96	
		For Above Ground Cast Iron Pipe Installation, Add	8.24	
		For Work In Restricted Working Space, Add	49.41	

22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)

22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	86.29	43.12
		For Extra Heavy Fittings, Add	7.61	
		For Above Ground Cast Iron Pipe Installation, Add	3.23	
		For Work In Restricted Working Space, Add	19.37	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	108.04	56.85
		For Extra Heavy Fittings, Add	7.95	
		For Above Ground Cast Iron Pipe Installation, Add	4.27	
		For Work In Restricted Working Space, Add	25.60	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	115.46	57.33
		For Extra Heavy Fittings, Add	10.34	
		For Above Ground Cast Iron Pipe Installation, Add	4.30	
		For Work In Restricted Working Space, Add	25.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0192	EA		6" x 2" Bell And Spigot Cast Iron Reducer.....	144.55	67.76
			For Extra Heavy Fittings, Add	15.02	
			For Above Ground Cast Iron Pipe Installation, Add	5.08	
			For Work In Restricted Working Space, Add	30.50	
22 13 16 00-0193	EA		6" x 3" Bell And Spigot Cast Iron Reducer.....	151.21	68.66
			For Extra Heavy Fittings, Add	16.88	
			For Above Ground Cast Iron Pipe Installation, Add	5.15	
			For Work In Restricted Working Space, Add	30.90	
22 13 16 00-0194	EA		6" x 4" Bell And Spigot Cast Iron Reducer.....	156.06	70.11
			For Extra Heavy Fittings, Add	17.65	
			For Above Ground Cast Iron Pipe Installation, Add	5.25	
			For Work In Restricted Working Space, Add	31.52	
22 13 16 00-0195	EA		8" x 2" Bell And Spigot Cast Iron Reducer.....	202.47	72.23
			For Extra Heavy Fittings, Add	32.95	
			For Above Ground Cast Iron Pipe Installation, Add	5.42	
			For Work In Restricted Working Space, Add	32.50	
22 13 16 00-0196	EA		8" x 3" Bell And Spigot Cast Iron Reducer.....	228.71	89.09
			For Extra Heavy Fittings, Add	33.30	
			For Above Ground Cast Iron Pipe Installation, Add	6.68	
			For Work In Restricted Working Space, Add	40.07	
22 13 16 00-0197	EA		8" x 4" Bell And Spigot Cast Iron Reducer.....	234.73	91.38
			For Extra Heavy Fittings, Add	34.19	
			For Above Ground Cast Iron Pipe Installation, Add	6.85	
			For Work In Restricted Working Space, Add	41.12	
22 13 16 00-0198	EA		8" x 6" Bell And Spigot Cast Iron Reducer.....	242.43	95.39
			For Extra Heavy Fittings, Add	34.81	
			For Above Ground Cast Iron Pipe Installation, Add	7.15	
			For Work In Restricted Working Space, Add	42.89	
22 13 16 00-0199	EA		10" x 4" Bell And Spigot Cast Iron Reducer.....	302.90	107.06
			For Extra Heavy Fittings, Add	49.83	
			For Above Ground Cast Iron Pipe Installation, Add	8.03	
			For Work In Restricted Working Space, Add	48.16	
22 13 16 00-0200	EA		10" x 6" Bell And Spigot Cast Iron Reducer.....	319.35	112.43
			For Extra Heavy Fittings, Add	52.75	
			For Above Ground Cast Iron Pipe Installation, Add	8.43	
			For Work In Restricted Working Space, Add	50.59	
22 13 16 00-0201	EA		10" x 8" Bell And Spigot Cast Iron Reducer.....	340.30	117.34
			For Extra Heavy Fittings, Add	57.52	
			For Above Ground Cast Iron Pipe Installation, Add	8.80	
			For Work In Restricted Working Space, Add	52.79	
22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer.....	423.05	127.19
			For Extra Heavy Fittings, Add	81.35	
			For Above Ground Cast Iron Pipe Installation, Add	9.53	
			For Work In Restricted Working Space, Add	57.19	
22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer.....	471.75	148.80
			For Extra Heavy Fittings, Add	87.01	
			For Above Ground Cast Iron Pipe Installation, Add	11.16	
			For Work In Restricted Working Space, Add	66.95	
22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer.....	510.11	169.50
			For Extra Heavy Fittings, Add	89.58	
			For Above Ground Cast Iron Pipe Installation, Add	12.71	
			For Work In Restricted Working Space, Add	76.25	
22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer.....	558.74	195.23
			For Extra Heavy Fittings, Add	93.11	
			For Above Ground Cast Iron Pipe Installation, Add	14.64	
			For Work In Restricted Working Space, Add	87.81	
22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer.....	730.88	195.23
			For Extra Heavy Fittings, Add	153.36	
			For Above Ground Cast Iron Pipe Installation, Add	14.64	
			For Work In Restricted Working Space, Add	87.81	
22 13 16 00-0207	EA		15" x 8" Bell And Spigot Cast Iron Reducer.....	777.65	210.45
			For Extra Heavy Fittings, Add	161.75	
			For Above Ground Cast Iron Pipe Installation, Add	15.78	
			For Work In Restricted Working Space, Add	94.65	
22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer.....	809.71	221.88
			For Extra Heavy Fittings, Add	166.95	
			For Above Ground Cast Iron Pipe Installation, Add	16.64	
			For Work In Restricted Working Space, Add	99.82	
22 13 16 00-0209	EA		15" x 12" Bell And Spigot Cast Iron Reducer.....	853.18	236.86
			For Extra Heavy Fittings, Add	174.29	
			For Above Ground Cast Iron Pipe Installation, Add	17.76	
			For Work In Restricted Working Space, Add	106.56	
22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)					
22 13 16 00-0211	EA		2" Bell And Spigot Cast Iron P-Trap.....	88.51	34.28
			For Extra Heavy Fittings, Add	13.00	
			For Above Ground Cast Iron Pipe Installation, Add	2.57	
			For Work In Restricted Working Space, Add	15.41	
22 13 16 00-0212	EA		3" Bell And Spigot Cast Iron P-Trap.....	118.60	43.12
			For Extra Heavy Fittings, Add	18.91	
			For Above Ground Cast Iron Pipe Installation, Add	3.23	
			For Work In Restricted Working Space, Add	19.37	
22 13 16 00-0213	EA		4" Bell And Spigot Cast Iron P-Trap.....	161.63	57.33
			For Extra Heavy Fittings, Add	26.50	
			For Above Ground Cast Iron Pipe Installation, Add	4.30	
			For Work In Restricted Working Space, Add	25.78	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap.....	256.31		62.73
		For Extra Heavy Fittings, Add	56.81		
		For Above Ground Cast Iron Pipe Installation, Add	4.70		
		For Work In Restricted Working Space, Add	28.20		
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap.....	344.35		73.80
		For Extra Heavy Fittings, Add	81.81		
		For Above Ground Cast Iron Pipe Installation, Add	5.53		
		For Work In Restricted Working Space, Add	33.19		
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap.....	766.90		95.39
		For Extra Heavy Fittings, Add	218.38		
		For Above Ground Cast Iron Pipe Installation, Add	7.15		
		For Work In Restricted Working Space, Add	42.89		
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap.....	850.04		117.34
		For Extra Heavy Fittings, Add	235.93		
		For Above Ground Cast Iron Pipe Installation, Add	8.80		
		For Work In Restricted Working Space, Add	52.79		
22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)					
22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap.....	102.62		34.28
		For Extra Heavy Fittings, Add	17.94		
		For Above Ground Cast Iron Pipe Installation, Add	2.57		
		For Work In Restricted Working Space, Add	15.41		
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap.....	146.33		43.12
		For Extra Heavy Fittings, Add	28.62		
		For Above Ground Cast Iron Pipe Installation, Add	3.23		
		For Work In Restricted Working Space, Add	19.37		
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap.....	213.19		57.33
		For Extra Heavy Fittings, Add	44.54		
		For Above Ground Cast Iron Pipe Installation, Add	4.30		
		For Work In Restricted Working Space, Add	25.78		
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap.....	348.88		70.11
		For Extra Heavy Fittings, Add	85.34		
		For Above Ground Cast Iron Pipe Installation, Add	5.25		
		For Work In Restricted Working Space, Add	31.52		
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap.....	370.16		78.16
		For Extra Heavy Fittings, Add	88.52		
		For Above Ground Cast Iron Pipe Installation, Add	5.86		
		For Work In Restricted Working Space, Add	35.17		
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)					
22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent.....	236.66		82.77
		For Above Ground Cast Iron Pipe Installation, Add	6.29		
		For Work In Restricted Working Space, Add	37.72		
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	315.71		108.81
		For Above Ground Cast Iron Pipe Installation, Add	8.24		
		For Work In Restricted Working Space, Add	49.41		
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	424.52		121.77
		For Above Ground Cast Iron Pipe Installation, Add	9.20		
		For Work In Restricted Working Space, Add	55.22		
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	855.95		137.99
		For Above Ground Cast Iron Pipe Installation, Add	10.44		
		For Work In Restricted Working Space, Add	62.62		
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	2,816.77		163.09
		For Above Ground Cast Iron Pipe Installation, Add	12.36		
		For Work In Restricted Working Space, Add	74.19		
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent.....	3,049.75		181.97
		For Above Ground Cast Iron Pipe Installation, Add	13.76		
		For Work In Restricted Working Space, Add	82.53		
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)					
22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent.....	302.71		114.31
		For Above Ground Cast Iron Pipe Installation, Add	8.66		
		For Work In Restricted Working Space, Add	51.93		
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	413.50		144.28
		For Above Ground Cast Iron Pipe Installation, Add	10.95		
		For Work In Restricted Working Space, Add	65.72		
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	953.68		170.52
		For Above Ground Cast Iron Pipe Installation, Add	12.93		
		For Work In Restricted Working Space, Add	77.60		
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	1,105.91		206.41
		For Above Ground Cast Iron Pipe Installation, Add	15.64		
		For Work In Restricted Working Space, Add	93.84		
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	3,033.31		197.75
		For Above Ground Cast Iron Pipe Installation, Add	15.00		
		For Work In Restricted Working Space, Add	90.00		
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	3,328.13		234.81
		For Above Ground Cast Iron Pipe Installation, Add	17.76		
		For Work In Restricted Working Space, Add	106.56		
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent.....	4,427.54		270.95
		For Above Ground Cast Iron Pipe Installation, Add	20.55		
		For Work In Restricted Working Space, Add	123.31		
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent.....	6,129.69		313.26
		For Above Ground Cast Iron Pipe Installation, Add	23.73		
		For Work In Restricted Working Space, Add	142.37		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0240	EA		15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	11,938.76 27.46 164.76	362.33
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)					
22 13 16 00-0242	EA		2" Bell And Spigot Cast Iron Scission Joint Fitting..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	183.80 2.56 15.37	
22 13 16 00-0243	EA		3" Bell And Spigot Cast Iron Scission Joint Fitting..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	253.70 2.88 17.27	
22 13 16 00-0244	EA		4" Bell And Spigot Cast Iron Scission Joint Fitting..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	292.82 3.86 23.13	
22 13 16 00-0245	EA		5" Bell And Spigot Cast Iron Scission Joint Fitting..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	361.69 4.48 26.88	
22 13 16 00-0246	EA		6" Bell And Spigot Cast Iron Scission Joint Fitting..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	439.24 5.41 32.47	
22 13 16 00-0247	EA		8" Bell And Spigot Cast Iron Scission Joint Fitting..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	832.91 6.84 41.03	
22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)					
Note: For use when connecting pipe to an existing in-place system.					
22 13 16 00-0249	EA		2", Cut And Prepare Existing In-Place Cast Iron Pipe..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	14.27 0.71 4.28	
22 13 16 00-0250	EA		3", Cut And Prepare Existing In-Place Cast Iron Pipe..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	15.57 0.78 4.67	
22 13 16 00-0251	EA		4", Cut And Prepare Existing In-Place Cast Iron Pipe..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	19.46 0.97 5.84	
22 13 16 00-0252	EA		6", Cut And Prepare Existing In-Place Cast Iron Pipe..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	23.35 1.17 7.01	
22 13 16 00-0253	EA		8", Cut And Prepare Existing In-Place Cast Iron Pipe..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	31.13 1.56 9.34	
22 13 16 00-0254	EA		10", Cut And Prepare Existing In-Place Cast Iron Pipe..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	36.32 1.82 10.90	
22 13 16 00-0255	EA		12", Cut And Prepare Existing In-Place Cast Iron Pipe..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	42.80 2.14 12.84	
22 13 16 00-0256	EA		15", Cut And Prepare Existing In-Place Cast Iron Pipe..... For Above Ground Cast Iron Pipe Installation, Add For Work In Restricted Working Space, Add	49.29 2.46 14.79	
22 13 16 00-0257 Joint Material (22 13 16 00-0019)					
Note: Labor costs are included in the installation costs for fittings.					
22 13 16 00-0258	LB		Lead (1 Lb./Diameter Inch) Joint Material.....	6.73	
22 13 16 00-0259	LB		Oakum (1/8 Lb./Diameter Inch) Joint Material.....	12.82	
22 13 16 00-0260	EA		2" Dual Tite Rubber Gasket.....	3.32	
22 13 16 00-0261	EA		3" Dual Tite Rubber Gasket.....	4.55	
22 13 16 00-0262	EA		4" Dual Tite Rubber Gasket.....	5.65	
22 13 16 00-0263	EA		6" Dual Tite Rubber Gasket.....	9.38	
22 13 16 00-0264	EA		8" Dual Tite Rubber Gasket.....	20.68	
22 13 16 00-0265	EA		10" Dual Tite Rubber Gasket.....	31.72	
22 13 16 00-0266	EA		12" Dual Tite Rubber Gasket.....	40.40	
22 13 16 00-0267	EA		15" Dual Tite Rubber Gasket.....	47.99	
22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings (22 13 16)					
Note: Service Weight. Excludes hangers.					
22 13 16 00-0269 No Hub Cast Iron Pipe (22 13 16 00-0268)					
Note: Excludes couplings.					
22 13 16 00-0270	LF		1-1/2" No Hub Cast Iron Pipe..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	22.62 0.54 3.23	7.17
22 13 16 00-0271	LF		2" No Hub Cast Iron Pipe..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	23.99 0.58 3.46	7.64
22 13 16 00-0272	LF		3" No Hub Cast Iron Pipe..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	33.95 0.84 5.01	11.11
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	44.03 1.09 6.51	14.45
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe..... For Below Ground Installation, Add For Work In Restricted Working Space, Add	56.75 1.28 7.70	17.11

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
22 13 16 00-0275	LF	6" No Hub Cast Iron Pipe.....	66.41	18.67	
		For Below Ground Installation, Add	1.40		
		For Work In Restricted Working Space, Add	8.39		
22 13 16 00-0276	LF	8" No Hub Cast Iron Pipe.....	101.81	26.88	
		For Below Ground Installation, Add	2.01		
		For Work In Restricted Working Space, Add	12.07		
22 13 16 00-0277	LF	10" No Hub Cast Iron Pipe.....	147.86	30.54	
		For Below Ground Installation, Add	2.29		
		For Work In Restricted Working Space, Add	13.73		
22 13 16 00-0278 No Hub Cast Iron Fittings (22 13 16 00-0268)					
22 13 16 00-0279 No Hub Cast Iron Long Sweeps (22 13 16 00-0278)					
22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep.....	75.98	32.49	
		For Below Ground Installation, Add	2.44		
		For Work In Restricted Working Space, Add	14.63		
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep.....	78.72	33.92	
		For Below Ground Installation, Add	2.54		
		For Work In Restricted Working Space, Add	15.25		
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep.....	93.23	38.81	
		For Below Ground Installation, Add	2.91		
		For Work In Restricted Working Space, Add	17.48		
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep.....	129.18	51.36	
		For Below Ground Installation, Add	3.85		
		For Work In Restricted Working Space, Add	23.12		
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep.....	180.59	56.46	
		For Below Ground Installation, Add	4.23		
		For Work In Restricted Working Space, Add	25.39		
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep.....	214.12	67.32	
		For Below Ground Installation, Add	5.05		
		For Work In Restricted Working Space, Add	30.30		
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep.....	439.99	87.15	
		For Below Ground Installation, Add	6.54		
		For Work In Restricted Working Space, Add	39.21		
22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)					
22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep.....	122.04	38.81	
		For Below Ground Installation, Add	2.91		
		For Work In Restricted Working Space, Add	17.48		
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep.....	184.09	51.36	
		For Below Ground Installation, Add	3.85		
		For Work In Restricted Working Space, Add	23.12		
22 13 16 00-0290 No Hub Cast Iron Short Sweeps (22 13 16 00-0278)					
22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep.....	72.93	33.92	
		For Below Ground Installation, Add	2.54		
		For Work In Restricted Working Space, Add	15.25		
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep.....	88.65	38.81	
		For Below Ground Installation, Add	2.91		
		For Work In Restricted Working Space, Add	17.48		
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep.....	126.78	51.36	
		For Below Ground Installation, Add	3.85		
		For Work In Restricted Working Space, Add	23.12		
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep.....	181.49	56.46	
		For Below Ground Installation, Add	4.23		
		For Work In Restricted Working Space, Add	25.39		
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep.....	200.06	67.32	
		For Below Ground Installation, Add	5.05		
		For Work In Restricted Working Space, Add	30.30		
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep.....	397.49	87.15	
		For Below Ground Installation, Add	6.54		
		For Work In Restricted Working Space, Add	39.21		
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep.....	652.25	122.04	
		For Below Ground Installation, Add	9.15		
		For Work In Restricted Working Space, Add	54.90		
22 13 16 00-0298 No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)					
22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend.....	65.90	32.49	
		For Below Ground Installation, Add	2.44		
		For Work In Restricted Working Space, Add	14.63		
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend.....	68.95	33.92	
		For Below Ground Installation, Add	2.54		
		For Work In Restricted Working Space, Add	15.25		
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend.....	82.18	38.81	
		For Below Ground Installation, Add	2.91		
		For Work In Restricted Working Space, Add	17.48		
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend.....	112.49	51.36	
		For Below Ground Installation, Add	3.85		
		For Work In Restricted Working Space, Add	23.12		
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend.....	163.74	56.46	
		For Below Ground Installation, Add	4.23		
		For Work In Restricted Working Space, Add	25.39		
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend.....	188.70	67.32	
		For Below Ground Installation, Add	5.05		
		For Work In Restricted Working Space, Add	30.30		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0305	EA		8" No Hub Cast Iron 1/4 Bend	364.40	87.15
			For Below Ground Installation, Add	6.54	
			For Work In Restricted Working Space, Add	39.21	
22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0307	EA		1-1/2" No Hub Cast Iron 1/8 Bend	62.21	32.49
			For Below Ground Installation, Add	2.44	
			For Work In Restricted Working Space, Add	14.63	
22 13 16 00-0308	EA		2" No Hub Cast Iron 1/8 Bend	64.58	33.92
			For Below Ground Installation, Add	2.54	
			For Work In Restricted Working Space, Add	15.25	
22 13 16 00-0309	EA		3" No Hub Cast Iron 1/8 Bend	77.89	38.81
			For Below Ground Installation, Add	2.91	
			For Work In Restricted Working Space, Add	17.48	
22 13 16 00-0310	EA		4" No Hub Cast Iron 1/8 Bend	102.86	51.36
			For Below Ground Installation, Add	3.85	
			For Work In Restricted Working Space, Add	23.12	
22 13 16 00-0311	EA		6" No Hub Cast Iron 1/8 Bend	172.64	75.85
			For Below Ground Installation, Add	5.69	
			For Work In Restricted Working Space, Add	34.13	
22 13 16 00-0312	EA		8" No Hub Cast Iron 1/8 Bend	306.05	99.61
			For Below Ground Installation, Add	7.47	
			For Work In Restricted Working Space, Add	44.79	
22 13 16 00-0313	EA		10" No Hub Cast Iron 1/8 Bend	479.41	122.55
			For Below Ground Installation, Add	9.19	
			For Work In Restricted Working Space, Add	55.13	
22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)					
22 13 16 00-0315	EA		1-1/2" No Hub Cast Iron Wye	100.48	51.12
			For Below Ground Installation, Add	3.83	
			For Work In Restricted Working Space, Add	22.97	
22 13 16 00-0316	EA		2" No Hub Cast Iron Wye	128.08	69.27
			For Below Ground Installation, Add	5.19	
			For Work In Restricted Working Space, Add	31.16	
22 13 16 00-0317	EA		3" No Hub Cast Iron Wye	146.84	75.85
			For Below Ground Installation, Add	5.69	
			For Work In Restricted Working Space, Add	34.13	
22 13 16 00-0318	EA		4" No Hub Cast Iron Wye	203.01	99.61
			For Below Ground Installation, Add	7.47	
			For Work In Restricted Working Space, Add	44.79	
22 13 16 00-0319	EA		5" No Hub Cast Iron Wye	280.99	109.92
			For Below Ground Installation, Add	8.24	
			For Work In Restricted Working Space, Add	49.44	
22 13 16 00-0320	EA		6" No Hub Cast Iron Wye	333.40	130.49
			For Below Ground Installation, Add	9.78	
			For Work In Restricted Working Space, Add	58.70	
22 13 16 00-0321	EA		8" No Hub Cast Iron Wye	585.00	174.42
			For Below Ground Installation, Add	13.07	
			For Work In Restricted Working Space, Add	78.43	
22 13 16 00-0322	EA		10" No Hub Cast Iron Wye	991.08	193.74
			For Below Ground Installation, Add	14.52	
			For Work In Restricted Working Space, Add	87.14	
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)					
22 13 16 00-0324	EA		3" x 1-1/2" No Hub Cast Iron Reducing Wye	125.22	66.17
			For Below Ground Installation, Add	4.96	
			For Work In Restricted Working Space, Add	29.74	
22 13 16 00-0325	EA		3" x 2" No Hub Cast Iron Reducing Wye	139.85	75.85
			For Below Ground Installation, Add	5.69	
			For Work In Restricted Working Space, Add	34.13	
22 13 16 00-0326	EA		4" x 2" No Hub Cast Iron Reducing Wye	159.12	83.85
			For Below Ground Installation, Add	6.29	
			For Work In Restricted Working Space, Add	37.72	
22 13 16 00-0327	EA		4" x 3" No Hub Cast Iron Reducing Wye	184.44	93.17
			For Below Ground Installation, Add	6.98	
			For Work In Restricted Working Space, Add	41.91	
22 13 16 00-0328	EA		6" x 2" No Hub Cast Iron Reducing Wye	240.78	111.03
			For Below Ground Installation, Add	8.33	
			For Work In Restricted Working Space, Add	49.96	
22 13 16 00-0329	EA		6" x 3" No Hub Cast Iron Reducing Wye	257.65	116.06
			For Below Ground Installation, Add	8.70	
			For Work In Restricted Working Space, Add	52.18	
22 13 16 00-0330	EA		6" x 4" No Hub Cast Iron Reducing Wye	294.99	135.64
			For Below Ground Installation, Add	10.17	
			For Work In Restricted Working Space, Add	60.99	
22 13 16 00-0331	EA		8" x 4" No Hub Cast Iron Reducing Wye	390.86	137.13
			For Below Ground Installation, Add	10.28	
			For Work In Restricted Working Space, Add	61.68	
22 13 16 00-0332	EA		8" x 6" No Hub Cast Iron Reducing Wye	454.72	150.74
			For Below Ground Installation, Add	11.30	
			For Work In Restricted Working Space, Add	67.78	
22 13 16 00-0333	EA		10" x 4" No Hub Cast Iron Reducing Wye	725.30	160.58
			For Below Ground Installation, Add	12.04	
			For Work In Restricted Working Space, Add	72.23	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye.....	764.68		171.90
		For Below Ground Installation, Add	12.89		
		For Work In Restricted Working Space, Add	77.32		
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye.....	883.96		183.57
		For Below Ground Installation, Add	13.76		
		For Work In Restricted Working Space, Add	82.55		
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	113.35		59.48
		For Below Ground Installation, Add	4.46		
		For Work In Restricted Working Space, Add	26.74		
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend.....	129.06		69.27
		For Below Ground Installation, Add	5.19		
		For Work In Restricted Working Space, Add	31.16		
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend.....	154.21		75.85
		For Below Ground Installation, Add	5.69		
		For Work In Restricted Working Space, Add	34.13		
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend.....	223.85		99.61
		For Below Ground Installation, Add	7.47		
		For Work In Restricted Working Space, Add	44.79		
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend.....	417.35		153.24
		For Below Ground Installation, Add	11.48		
		For Work In Restricted Working Space, Add	68.91		
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend.....	765.60		196.60
		For Below Ground Installation, Add	14.74		
		For Work In Restricted Working Space, Add	88.43		
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend.....	896.96		237.68
		For Below Ground Installation, Add	17.82		
		For Work In Restricted Working Space, Add	106.90		
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	130.26		69.27
		For Below Ground Installation, Add	5.19		
		For Work In Restricted Working Space, Add	31.16		
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	143.53		75.85
		For Below Ground Installation, Add	5.69		
		For Work In Restricted Working Space, Add	34.13		
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	166.50		83.85
		For Below Ground Installation, Add	6.29		
		For Work In Restricted Working Space, Add	37.72		
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	191.59		93.17
		For Below Ground Installation, Add	6.98		
		For Work In Restricted Working Space, Add	41.91		
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	262.21		111.03
		For Below Ground Installation, Add	8.33		
		For Work In Restricted Working Space, Add	49.96		
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	295.11		116.06
		For Below Ground Installation, Add	8.70		
		For Work In Restricted Working Space, Add	52.18		
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	327.79		135.64
		For Below Ground Installation, Add	10.17		
		For Work In Restricted Working Space, Add	60.99		
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	452.16		137.13
		For Below Ground Installation, Add	10.28		
		For Work In Restricted Working Space, Add	61.68		
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	594.84		150.74
		For Below Ground Installation, Add	11.30		
		For Work In Restricted Working Space, Add	67.78		
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)					
22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye.....	162.89		86.11
		For Below Ground Installation, Add	6.46		
		For Work In Restricted Working Space, Add	38.74		
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye.....	219.44		104.87
		For Below Ground Installation, Add	7.86		
		For Work In Restricted Working Space, Add	47.15		
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye.....	300.01		114.66
		For Below Ground Installation, Add	8.59		
		For Work In Restricted Working Space, Add	51.56		
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye.....	467.35		164.49
		For Below Ground Installation, Add	12.33		
		For Work In Restricted Working Space, Add	73.96		
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye.....	930.74		221.88
		For Below Ground Installation, Add	16.64		
		For Work In Restricted Working Space, Add	99.82		
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)					
22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye.....	196.44		95.43
		For Below Ground Installation, Add	7.15		
		For Work In Restricted Working Space, Add	42.91		
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye.....	236.50		109.89
		For Below Ground Installation, Add	8.24		
		For Work In Restricted Working Space, Add	49.43		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0363	EA		4" x 3" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	260.54 8.98 53.88	119.80
22 13 16 00-0364	EA		6" x 4" No Hub Cast Iron Double Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	396.50 10.87 65.23	145.03
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0366	EA		2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	214.30 7.76 46.53	103.44
22 13 16 00-0367	EA		3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	263.53 8.59 51.56	114.66
22 13 16 00-0368	EA		4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	402.61 11.38 68.25	151.81
22 13 16 00-0369	EA		6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	555.73 17.57 105.39	234.34
22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)					
22 13 16 00-0371	EA		3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.12 6.67 40.04	88.98
22 13 16 00-0372	EA		4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	234.24 7.76 46.53	103.44
22 13 16 00-0373	EA		4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	284.42 8.47 50.83	112.99
22 13 16 00-0374 No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)					
22 13 16 00-0375	EA		1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.83 3.76 22.54	50.05
22 13 16 00-0376	EA		2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.28 5.19 31.16	69.27
22 13 16 00-0377	EA		3" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.14 5.69 34.13	75.85
22 13 16 00-0378	EA		4" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.85 7.47 44.79	99.61
22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	282.27 8.24 49.44	109.92
22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	332.49 9.78 58.70	130.49
22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	661.04 13.07 78.43	174.42
22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)					
22 13 16 00-0383	EA		2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.13 4.24 25.41	56.50
22 13 16 00-0384	EA		3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.33 4.96 29.74	66.17
22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.07 5.19 31.16	69.27
22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.17 5.19 31.16	69.27
22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.70 7.03 42.16	93.76
22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.77 7.03 42.16	93.76
22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.56 7.83 46.97	104.43
22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	250.42 7.83 46.97	104.43
22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	251.62 7.83 46.97	104.43

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	260.92		108.80
		<i>For Below Ground Installation, Add</i>	8.15		
		<i>For Work In Restricted Working Space, Add</i>	48.92		
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	518.25		147.09
		<i>For Below Ground Installation, Add</i>	11.02		
		<i>For Work In Restricted Working Space, Add</i>	66.14		
22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)					
22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	76.32		33.92
		<i>For Below Ground Installation, Add</i>	2.54		
		<i>For Work In Restricted Working Space, Add</i>	15.25		
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	88.87		38.81
		<i>For Below Ground Installation, Add</i>	2.91		
		<i>For Work In Restricted Working Space, Add</i>	17.48		
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	108.35		51.36
		<i>For Below Ground Installation, Add</i>	3.85		
		<i>For Work In Restricted Working Space, Add</i>	23.12		
22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)					
22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	71.88		33.92
		<i>For Below Ground Installation, Add</i>	2.54		
		<i>For Work In Restricted Working Space, Add</i>	15.25		
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	92.11		38.81
		<i>For Below Ground Installation, Add</i>	2.91		
		<i>For Work In Restricted Working Space, Add</i>	17.48		
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	136.55		51.36
		<i>For Below Ground Installation, Add</i>	3.85		
		<i>For Work In Restricted Working Space, Add</i>	23.12		
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	229.80		75.85
		<i>For Below Ground Installation, Add</i>	5.69		
		<i>For Work In Restricted Working Space, Add</i>	34.13		
22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)					
22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	319.19		99.61
		<i>For Below Ground Installation, Add</i>	7.47		
		<i>For Work In Restricted Working Space, Add</i>	44.79		
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	384.68		151.33
		<i>For Below Ground Installation, Add</i>	11.35		
		<i>For Work In Restricted Working Space, Add</i>	68.08		
22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)					
22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	59.77		33.92
		<i>For Below Ground Installation, Add</i>	2.54		
		<i>For Work In Restricted Working Space, Add</i>	15.25		
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	72.33		38.81
		<i>For Below Ground Installation, Add</i>	2.91		
		<i>For Work In Restricted Working Space, Add</i>	17.48		
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	103.76		51.36
		<i>For Below Ground Installation, Add</i>	3.85		
		<i>For Work In Restricted Working Space, Add</i>	23.12		
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	163.62		75.85
		<i>For Below Ground Installation, Add</i>	5.69		
		<i>For Work In Restricted Working Space, Add</i>	34.13		
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	217.83		99.61
		<i>For Below Ground Installation, Add</i>	7.47		
		<i>For Work In Restricted Working Space, Add</i>	44.79		
22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)					
22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	131.06		66.89
		<i>For Below Ground Installation, Add</i>	5.02		
		<i>For Work In Restricted Working Space, Add</i>	30.11		
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	142.22		69.27
		<i>For Below Ground Installation, Add</i>	5.19		
		<i>For Work In Restricted Working Space, Add</i>	31.16		
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	174.15		75.85
		<i>For Below Ground Installation, Add</i>	5.69		
		<i>For Work In Restricted Working Space, Add</i>	34.13		
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	262.81		99.61
		<i>For Below Ground Installation, Add</i>	7.47		
		<i>For Work In Restricted Working Space, Add</i>	44.79		
22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)					
22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	187.73		88.98
		<i>For Below Ground Installation, Add</i>	6.67		
		<i>For Work In Restricted Working Space, Add</i>	40.03		
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	214.07		91.61
		<i>For Below Ground Installation, Add</i>	6.87		
		<i>For Work In Restricted Working Space, Add</i>	41.21		
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	235.95		95.68
		<i>For Below Ground Installation, Add</i>	7.17		
		<i>For Work In Restricted Working Space, Add</i>	43.01		

Natividad MEDICAL CENTER		Plumbing Piping		22	22
		Facility Sanitary Sewerage		22 13	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST		
22 13 16 00-0421	No Hub Cast Iron Reducers (22 13 16 00-0278)				
22 13 16 00-0422	EA 3" x 2" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	116.72 5.19 31.16		69.27	
22 13 16 00-0423	EA 4" x 2" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	160.15 7.03 42.16		93.76	
22 13 16 00-0424	EA 4" x 3" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	160.75 7.03 42.16		93.76	
22 13 16 00-0425	EA 5" x 2" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	185.36 7.83 46.97		104.43	
22 13 16 00-0426	EA 5" x 3" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	189.34 7.83 46.97		104.43	
22 13 16 00-0427	EA 5" x 4" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	190.92 7.83 46.97		104.43	
22 13 16 00-0428	EA 6" x 3" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	223.66 8.70 52.18		116.06	
22 13 16 00-0429	EA 6" x 4" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	224.26 8.70 52.18		116.06	
22 13 16 00-0430	EA 6" x 5" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	226.06 8.70 52.18		116.06	
22 13 16 00-0431	EA 8" x 2" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	310.26 12.20 73.20		162.75	
22 13 16 00-0432	EA 8" x 3" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	314.85 12.20 73.20		162.75	
22 13 16 00-0433	EA 8" x 4" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	322.22 12.20 73.20		162.75	
22 13 16 00-0434	EA 8" x 5" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	329.89 12.20 73.20		162.75	
22 13 16 00-0435	EA 8" x 6" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	330.80 12.20 73.20		162.75	
22 13 16 00-0436	EA 10" x 4" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	399.64 12.87 77.20		171.68	
22 13 16 00-0437	EA 10" x 6" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	428.23 13.44 80.63		179.22	
22 13 16 00-0438	EA 10" x 8" No Hub Cast Iron Reducer For Below Ground Installation, Add For Work In Restricted Working Space, Add	482.69 14.58 87.50		194.55	
22 13 16 00-0439	No Hub Cast Iron Blind Plugs (22 13 16 00-0278)				
22 13 16 00-0440	EA 1-1/2" No Hub Cast Iron Blind Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	31.75 1.22 7.31		16.26	
22 13 16 00-0441	EA 2" No Hub Cast Iron Blind Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	32.49 1.27 7.63		16.96	
22 13 16 00-0442	EA 3" No Hub Cast Iron Blind Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	41.69 1.46 8.74		19.47	
22 13 16 00-0443	EA 4" No Hub Cast Iron Blind Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	55.34 1.92 11.55		25.68	
22 13 16 00-0444	EA 5" No Hub Cast Iron Blind Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	74.34 2.15 12.92		28.74	
22 13 16 00-0445	EA 6" No Hub Cast Iron Blind Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	82.13 2.53 15.16		33.65	
22 13 16 00-0446	EA 8" No Hub Cast Iron Blind Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	164.97 3.27 19.59		43.57	
22 13 16 00-0447	EA 10" No Hub Cast Iron Blind Plug For Below Ground Installation, Add For Work In Restricted Working Space, Add	213.62 3.52 21.10		46.89	
22 13 16 00-0448	No Hub Cast Iron P-Traps (22 13 16 00-0278)				
22 13 16 00-0449	EA 2" No Hub Cast Iron P-Trap For Below Ground Installation, Add For Work In Restricted Working Space, Add	76.92 2.54 15.25		33.92	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap.....	117.75		38.81
		For Below Ground Installation, Add	2.91		
		For Work In Restricted Working Space, Add	17.48		
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap.....	180.40		51.36
		For Below Ground Installation, Add	3.85		
		For Work In Restricted Working Space, Add	23.12		
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap.....	321.75		56.92
		For Below Ground Installation, Add	4.26		
		For Work In Restricted Working Space, Add	25.58		
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap.....	338.45		67.87
		For Below Ground Installation, Add	5.09		
		For Work In Restricted Working Space, Add	30.53		
22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)					
22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap.....	126.84		43.12
		For Below Ground Installation, Add	3.23		
		For Work In Restricted Working Space, Add	19.37		
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap.....	185.29		57.33
		For Below Ground Installation, Add	4.30		
		For Work In Restricted Working Space, Add	25.78		
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap.....	272.92		75.72
		For Below Ground Installation, Add	5.67		
		For Work In Restricted Working Space, Add	34.04		
22 13 16 00-0458 No Hub Cast Iron Closet Flanges (22 13 16 00-0278)					
22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange.....	118.43		51.36
		For Below Ground Installation, Add	3.85		
		For Work In Restricted Working Space, Add	23.12		
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange.....	127.01		51.36
		For Below Ground Installation, Add	3.85		
		For Work In Restricted Working Space, Add	23.12		
22 13 16 00-0461 No Hub Cast Iron Closet Bends (22 13 16 00-0278)					
22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend.....	238.99		51.36
		For Below Ground Installation, Add	3.85		
		For Work In Restricted Working Space, Add	23.12		
22 13 16 00-0463 No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)					
22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter.....	86.97		43.12
		For Below Ground Installation, Add	3.23		
		For Work In Restricted Working Space, Add	19.37		
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter.....	93.89		43.12
		For Below Ground Installation, Add	3.23		
		For Work In Restricted Working Space, Add	19.37		
22 13 16 00-0466 No Hub Couplings (22 13 16 00-0278)					
Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.					
22 13 16 00-0467	EA	1-1/2" No Hub Coupling.....	9.22		
		For Medium Duty (Fernco MD-2000), Add	1.20		
		For Heavy-Duty (Fernco HD-4000), Add	2.49		
22 13 16 00-0468	EA	2" No Hub Coupling.....	9.22		
		For Medium Duty (Fernco MD-2000), Add	1.20		
		For Heavy-Duty (Fernco HD-4000), Add	2.49		
22 13 16 00-0469	EA	3" No Hub Coupling.....	10.95		
		For Medium Duty (Fernco MD-2000), Add	1.42		
		For Heavy-Duty (Fernco HD-4000), Add	2.96		
22 13 16 00-0470	EA	4" No Hub Coupling.....	13.00		
		For Medium Duty (Fernco MD-2000), Add	1.69		
		For Heavy-Duty (Fernco HD-4000), Add	3.51		
22 13 16 00-0471	EA	5" No Hub Coupling.....	30.06		
		For Medium Duty (Fernco MD-2000), Add	3.91		
		For Heavy-Duty (Fernco HD-4000), Add	8.12		
22 13 16 00-0472	EA	6" No Hub Coupling.....	33.03		
		For Medium Duty (Fernco MD-2000), Add	4.29		
		For Heavy-Duty (Fernco HD-4000), Add	8.92		
22 13 16 00-0473	EA	8" No Hub Coupling.....	62.23		
		For Medium Duty (Fernco MD-2000), Add	8.09		
		For Heavy-Duty (Fernco HD-4000), Add	16.80		
22 13 16 00-0474	EA	10" No Hub Coupling.....	85.73		
		For Medium Duty (Fernco MD-2000), Add	11.14		
		For Heavy-Duty (Fernco HD-4000), Add	23.15		
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling.....	10.95		
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling.....	16.98		
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling.....	23.69		
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling.....	20.19		
22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts (22 13 16 00-0278)					
Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.					
22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	49.55		

		Plumbing	22	22
		Plumbing Piping	22 10	
		Facility Sanitary Sewerage	22 13	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	51.14	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	53.70	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	62.65	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	118.27	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	162.38	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	284.49	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	434.73	

22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place (22 13 16 00-0268)
Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0489	EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	11.67	
		<i>For Work In Restricted Working Space, Add</i>	3.50	
22 13 16 00-0490	EA	Cut And Prepare 2" Cast Iron Pipe, No Hub.....	14.27	
		<i>For Work In Restricted Working Space, Add</i>	4.28	
22 13 16 00-0491	EA	Cut And Prepare 3" Cast Iron Pipe, No Hub.....	15.57	
		<i>For Work In Restricted Working Space, Add</i>	4.67	
22 13 16 00-0492	EA	Cut And Prepare 4" Cast Iron Pipe, No Hub.....	19.46	
		<i>For Work In Restricted Working Space, Add</i>	5.84	
22 13 16 00-0493	EA	Cut And Prepare 6" Cast Iron Pipe, No Hub.....	23.34	
		<i>For Work In Restricted Working Space, Add</i>	7.00	
22 13 16 00-0494	EA	Cut And Prepare 8" Cast Iron Pipe, No Hub.....	31.13	
		<i>For Work In Restricted Working Space, Add</i>	9.34	
22 13 16 00-0495	EA	Cut And Prepare 10" Cast Iron Pipe, No Hub.....	36.32	
		<i>For Work In Restricted Working Space, Add</i>	10.90	

22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe (22 13 16)
See CSI section 22 11 16 00-0451 for copper and brass fittings.

22 13 16 00-0497	LF	1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	20.20	5.61
22 13 16 00-0498	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	24.19	6.27
22 13 16 00-0499	LF	2" Hard Drawn DWV Copper Tube/Pipe.....	31.21	7.73
22 13 16 00-0500	LF	3" Hard Drawn DWV Copper Tube/Pipe.....	66.32	10.71
22 13 16 00-0501	LF	4" Hard Drawn DWV Copper Tube/Pipe.....	93.72	12.09
22 13 16 00-0502	LF	5" Hard Drawn DWV Copper Tube/Pipe.....	187.91	13.88
22 13 16 00-0503	LF	6" Hard Drawn DWV Copper Tube/Pipe.....	267.36	21.51

22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)
Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.

22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0504)

22 13 16 00-0506 Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0505)

Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available.				
22 13 16 00-0507	LF	1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	13.92	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	2.80	
22 13 16 00-0508	LF	2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	16.65	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	3.40	
22 13 16 00-0509	LF	3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	27.43	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	4.82	
22 13 16 00-0510	LF	4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	35.52	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	5.30	
22 13 16 00-0511	LF	6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	64.89	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	6.83	
22 13 16 00-0512	LF	8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	92.84	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	9.13	
22 13 16 00-0513	LF	10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	134.59	
		Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	12.17	

22 13 16 00-0514 Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies (22 13 16 00-0505)
Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0515	LF	1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	27.55	5.01
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	5.75	
22 13 16 00-0516	LF	2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	30.92	5.97
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	6.39	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 13 16 00-0517	LF 3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	43.72		8.60	
22 13 16 00-0518	LF 4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	55.67		9.32	
22 13 16 00-0519	LF 6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	88.36		11.95	
22 13 16 00-0520	LF 8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	116.85		15.88	
22 13 16 00-0521	LF 10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	164.35		21.26	
		16.60			
22 13 16 00-0522	Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504) Note: Excludes fittings or hangers.				
22 13 16 00-0523	Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) (22 13 16 00-0522) Note: Excludes fittings or hangers.				
22 13 16 00-0524	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	10.49		5.01	
22 13 16 00-0525	LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	12.91		5.97	
22 13 16 00-0526	LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	20.77		8.60	
22 13 16 00-0527	LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	25.12		9.32	
22 13 16 00-0528	LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	36.73		11.18	
22 13 16 00-0529	LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	52.68		14.87	
22 13 16 00-0530	LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	76.23		19.90	
		8.94			
22 13 16 00-0531	Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) (22 13 16 00-0522) Note: Excludes fittings or hangers.				
22 13 16 00-0532	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.59		5.01	
22 13 16 00-0533	LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	11.84		5.97	
22 13 16 00-0534	LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	18.75		8.60	
22 13 16 00-0535	LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	22.44		9.32	
22 13 16 00-0536	LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	31.74		11.18	
22 13 16 00-0537	LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	45.66		14.87	
22 13 16 00-0538	LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	68.60		19.90	
		8.94			
22 13 16 00-0539	Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0504)				
22 13 16 00-0540	Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0539)				
22 13 16 00-0541	EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	38.54		19.95	
22 13 16 00-0542	EA 2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	49.23		25.44	
22 13 16 00-0543	EA 3" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	85.55		34.16	
22 13 16 00-0544	EA 4" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	132.27		39.77	
22 13 16 00-0545	EA 6" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	519.11		51.72	
22 13 16 00-0546	EA 8" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	860.71		69.64	
22 13 16 00-0547	EA 10" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	1,136.33		92.81	
		41.80			
22 13 16 00-0548	Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0539)				
22 13 16 00-0549	EA 1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	62.89		19.95	
22 13 16 00-0550	EA 2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	63.24		25.44	
22 13 16 00-0551	EA 3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	121.57		34.16	
		15.41			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0552	EA		4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends.....	198.32	39.77
			For Work In Restricted Working Space, Add	17.92	
22 13 16 00-0553	EA		6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends.....	391.53	51.72
			For Work In Restricted Working Space, Add	23.29	
22 13 16 00-0554	EA		8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends.....	693.05	69.64
			For Work In Restricted Working Space, Add	31.35	
22 13 16 00-0555	EA		10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends.....	1,133.32	92.81
			For Work In Restricted Working Space, Add	41.80	
22 13 16 00-0556 Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0539)					
22 13 16 00-0557	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	40.54	19.95
			For Work In Restricted Working Space, Add	8.96	
22 13 16 00-0558	EA		2" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	49.06	25.44
			For Work In Restricted Working Space, Add	11.47	
22 13 16 00-0559	EA		3" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	82.55	34.16
			For Work In Restricted Working Space, Add	15.41	
22 13 16 00-0560	EA		4" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	117.59	39.77
			For Work In Restricted Working Space, Add	17.92	
22 13 16 00-0561	EA		6" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	481.75	51.72
			For Work In Restricted Working Space, Add	23.29	
22 13 16 00-0562	EA		8" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	773.88	69.64
			For Work In Restricted Working Space, Add	31.35	
22 13 16 00-0563	EA		10" Polyvinyl Chloride (PVC) DWV 1/8 Bends.....	880.90	92.81
			For Work In Restricted Working Space, Add	41.80	
22 13 16 00-0564 Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0539)					
22 13 16 00-0565	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	60.30	29.87
			For Work In Restricted Working Space, Add	13.44	
22 13 16 00-0566	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	79.51	38.22
			For Work In Restricted Working Space, Add	17.20	
22 13 16 00-0567	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	136.08	51.36
			For Work In Restricted Working Space, Add	23.11	
22 13 16 00-0568	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	202.17	59.72
			For Work In Restricted Working Space, Add	26.88	
22 13 16 00-0569	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	771.26	77.52
			For Work In Restricted Working Space, Add	34.94	
22 13 16 00-0570	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees.....	1,003.27	104.39
			For Work In Restricted Working Space, Add	47.03	
22 13 16 00-0571 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0539)					
22 13 16 00-0572	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	76.99	32.60
			For Work In Restricted Working Space, Add	14.69	
22 13 16 00-0573	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	91.85	35.35
			For Work In Restricted Working Space, Add	15.95	
22 13 16 00-0574	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	75.33	35.35
			For Work In Restricted Working Space, Add	15.95	
22 13 16 00-0575	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	111.49	44.19
			For Work In Restricted Working Space, Add	19.89	
22 13 16 00-0576	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	113.50	46.94
			For Work In Restricted Working Space, Add	21.14	
22 13 16 00-0577	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	135.36	49.68
			For Work In Restricted Working Space, Add	22.40	
22 13 16 00-0578	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	231.44	52.55
			For Work In Restricted Working Space, Add	23.65	
22 13 16 00-0579	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	292.87	56.85
			For Work In Restricted Working Space, Add	25.62	
22 13 16 00-0580	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	740.75	71.55
			For Work In Restricted Working Space, Add	32.25	
22 13 16 00-0581	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	2,338.70	89.46
			For Work In Restricted Working Space, Add	40.31	
22 13 16 00-0582	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	2,418.73	95.43
			For Work In Restricted Working Space, Add	43.00	
22 13 16 00-0583 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0539)					
22 13 16 00-0584	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	106.42	39.77
			For Work In Restricted Working Space, Add	17.92	
22 13 16 00-0585	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	144.82	50.88
			For Work In Restricted Working Space, Add	22.93	
22 13 16 00-0586	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	294.52	68.44
			For Work In Restricted Working Space, Add	30.82	
22 13 16 00-0587	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	427.81	79.55
			For Work In Restricted Working Space, Add	35.83	
22 13 16 00-0588 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0539)					
22 13 16 00-0589	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee.....	129.89	45.39
			For Work In Restricted Working Space, Add	20.42	
22 13 16 00-0590	EA		3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee.....	226.40	54.10
			For Work In Restricted Working Space, Add	24.37	
22 13 16 00-0591	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee.....	261.61	59.72
			For Work In Restricted Working Space, Add	26.88	
22 13 16 00-0592	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee.....	476.76	65.22
			For Work In Restricted Working Space, Add	29.38	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 22 13 16 00-0593 EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee500.30 73.93
For Work In Restricted Working Space, Add 33.32
22 13 16 00-0594 Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0539)
 22 13 16 00-0595 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers51.39 22.70
For Work In Restricted Working Space, Add 10.21
 22 13 16 00-0596 EA 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers95.98 27.00
For Work In Restricted Working Space, Add 12.18
 22 13 16 00-0597 EA 3" x 2" Polyvinyl Chloride (PVC) DWV Reducers91.15 29.87
For Work In Restricted Working Space, Add 13.44
 22 13 16 00-0598 EA 4" x 2" Polyvinyl Chloride (PVC) DWV Reducers140.70 32.60
For Work In Restricted Working Space, Add 14.69
 22 13 16 00-0599 EA 4" x 3" Polyvinyl Chloride (PVC) DWV Reducers151.44 37.02
For Work In Restricted Working Space, Add 16.66
 22 13 16 00-0600 EA 6" x 3" Polyvinyl Chloride (PVC) DWV Reducers548.99 43.00
For Work In Restricted Working Space, Add 19.35
 22 13 16 00-0601 EA 6" x 4" Polyvinyl Chloride (PVC) DWV Reducers457.78 45.75
For Work In Restricted Working Space, Add 20.60
 22 13 16 00-0602 EA 8" x 4" Polyvinyl Chloride (PVC) DWV Reducers1,149.78 54.71
For Work In Restricted Working Space, Add 24.64
 22 13 16 00-0603 EA 8" x 6" Polyvinyl Chloride (PVC) DWV Reducers969.52 60.68
For Work In Restricted Working Space, Add 27.32
 22 13 16 00-0604 EA 10" x 6" Polyvinyl Chloride (PVC) DWV Reducers1,304.13 72.26
For Work In Restricted Working Space, Add 32.55
 22 13 16 00-0605 EA 10" x 8" Polyvinyl Chloride (PVC) DWV Reducers1,018.90 81.22
For Work In Restricted Working Space, Add 36.58
22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0539)
 22 13 16 00-0607 EA 1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps75.15 29.87
For Work In Restricted Working Space, Add 13.44
 22 13 16 00-0608 EA 2" Polyvinyl Chloride (PVC) DWV P-Traps98.69 38.22
For Work In Restricted Working Space, Add 17.20
 22 13 16 00-0609 EA 3" Polyvinyl Chloride (PVC) DWV P-Traps283.02 51.36
For Work In Restricted Working Space, Add 23.11
 22 13 16 00-0610 EA 4" Polyvinyl Chloride (PVC) DWV P-Traps580.09 59.72
For Work In Restricted Working Space, Add 26.88
 22 13 16 00-0611 EA 6" Polyvinyl Chloride (PVC) DWV P-Traps983.70 77.52
For Work In Restricted Working Space, Add 34.94
22 13 16 00-0612 Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0539)
 22 13 16 00-0613 EA 4" Polyvinyl Chloride (PVC) DWV Closet Flanges117.93 39.77
For Work In Restricted Working Space, Add 17.92
 22 13 16 00-0614 EA 4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges96.23 37.02
For Work In Restricted Working Space, Add 16.66
22 13 16 00-0615 Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0539)
 22 13 16 00-0616 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Wyes75.81 29.87
For Work In Restricted Working Space, Add 13.44
 22 13 16 00-0617 EA 2" Polyvinyl Chloride (PVC) DWV Wyes88.52 38.22
For Work In Restricted Working Space, Add 17.20
 22 13 16 00-0618 EA 3" Polyvinyl Chloride (PVC) DWV Wyes147.59 51.36
For Work In Restricted Working Space, Add 23.11
 22 13 16 00-0619 EA 4" Polyvinyl Chloride (PVC) DWV Wyes221.01 59.72
For Work In Restricted Working Space, Add 26.88
 22 13 16 00-0620 EA 6" Polyvinyl Chloride (PVC) DWV Wyes700.55 77.52
For Work In Restricted Working Space, Add 34.94
 22 13 16 00-0621 EA 8" Polyvinyl Chloride (PVC) DWV Wyes868.94 104.39
For Work In Restricted Working Space, Add 47.03
 22 13 16 00-0622 EA 10" Polyvinyl Chloride (PVC) DWV Wyes1,143.53 139.15
For Work In Restricted Working Space, Add 62.70
22 13 16 00-0623 Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0539)
 22 13 16 00-0624 EA 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes104.34 32.60
For Work In Restricted Working Space, Add 14.69
 22 13 16 00-0625 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes108.02 35.35
For Work In Restricted Working Space, Add 15.95
 22 13 16 00-0626 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes152.49 44.19
For Work In Restricted Working Space, Add 19.89
 22 13 16 00-0627 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes125.01 46.94
For Work In Restricted Working Space, Add 21.14
 22 13 16 00-0628 EA 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes211.51 49.68
For Work In Restricted Working Space, Add 22.40
 22 13 16 00-0629 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes184.41 52.55
For Work In Restricted Working Space, Add 23.65
 22 13 16 00-0630 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes208.65 56.85
For Work In Restricted Working Space, Add 25.62
 22 13 16 00-0631 EA 6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes633.18 68.80
For Work In Restricted Working Space, Add 31.00
 22 13 16 00-0632 EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes785.18 71.55
For Work In Restricted Working Space, Add 32.25
 22 13 16 00-0633 EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes744.76 89.46
For Work In Restricted Working Space, Add 40.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0634	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	942.00	95.43	
		For Work In Restricted Working Space, Add	43.00		
22 13 16 00-0635	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	856.91	112.64	
		For Work In Restricted Working Space, Add	50.76		
22 13 16 00-0636	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	1,070.39	118.61	
		For Work In Restricted Working Space, Add	53.45		
22 13 16 00-0637	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	1,247.16	127.56	
		For Work In Restricted Working Space, Add	57.48		
22 13 16 00-0638 Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0539)					
22 13 16 00-0639	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	125.76	39.77	
		For Work In Restricted Working Space, Add	17.92		
22 13 16 00-0640	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	161.33	50.88	
		For Work In Restricted Working Space, Add	22.93		
22 13 16 00-0641	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes.....	322.04	68.44	
		For Work In Restricted Working Space, Add	30.82		
22 13 16 00-0642	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	564.07	79.55	
		For Work In Restricted Working Space, Add	35.83		
22 13 16 00-0643	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes.....	1,162.25	103.44	
		For Work In Restricted Working Space, Add	46.58		
22 13 16 00-0644	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes.....	1,345.50	139.27	
		For Work In Restricted Working Space, Add	62.71		
22 13 16 00-0645	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes.....	2,089.63	185.61	
		For Work In Restricted Working Space, Add	83.60		
22 13 16 00-0646 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0539)					
22 13 16 00-0647	EA	2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	145.63	45.39	
		For Work In Restricted Working Space, Add	20.42		
22 13 16 00-0648	EA	3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	273.66	54.10	
		For Work In Restricted Working Space, Add	24.37		
22 13 16 00-0649	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	252.87	59.72	
		For Work In Restricted Working Space, Add	26.88		
22 13 16 00-0650	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	364.48	65.22	
		For Work In Restricted Working Space, Add	29.38		
22 13 16 00-0651	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes.....	463.15	73.93	
		For Work In Restricted Working Space, Add	33.32		
22 13 16 00-0652	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	715.62	91.49	
		For Work In Restricted Working Space, Add	41.21		
22 13 16 00-0653	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	837.57	109.40	
		For Work In Restricted Working Space, Add	49.27		
22 13 16 00-0654	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes.....	1,067.40	121.35	
		For Work In Restricted Working Space, Add	54.65		
22 13 16 00-0655	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	1,127.41	132.58	
		For Work In Restricted Working Space, Add	59.72		
22 13 16 00-0656	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes.....	1,465.93	144.52	
		For Work In Restricted Working Space, Add	65.09		
22 13 16 00-0657	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes.....	1,773.70	162.44	
		For Work In Restricted Working Space, Add	73.16		
22 13 16 00-0658 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-0539)					
22 13 16 00-0659	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	95.16	29.87	
		For Work In Restricted Working Space, Add	13.44		
22 13 16 00-0660	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	118.70	38.22	
		For Work In Restricted Working Space, Add	17.20		
22 13 16 00-0661	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	238.31	51.36	
		For Work In Restricted Working Space, Add	23.11		
22 13 16 00-0662	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	424.48	59.72	
		For Work In Restricted Working Space, Add	26.88		
22 13 16 00-0663 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends (22 13 16 00-0539)					
22 13 16 00-0664	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	180.24	35.35	
		For Work In Restricted Working Space, Add	15.95		
22 13 16 00-0665	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	287.08	44.19	
		For Work In Restricted Working Space, Add	19.89		
22 13 16 00-0666	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	208.46	46.94	
		For Work In Restricted Working Space, Add	21.14		
22 13 16 00-0667	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	385.83	52.55	
		For Work In Restricted Working Space, Add	23.65		
22 13 16 00-0668	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	417.91	56.85	
		For Work In Restricted Working Space, Add	25.62		
22 13 16 00-0669 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends (22 13 16 00-0539)					
22 13 16 00-0670	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends.....	140.78	39.77	
		For Work In Restricted Working Space, Add	17.92		
22 13 16 00-0671	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	163.00	50.88	
		For Work In Restricted Working Space, Add	22.93		
22 13 16 00-0672	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	253.15	68.44	
		For Work In Restricted Working Space, Add	30.82		
22 13 16 00-0673	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	911.98	79.55	
		For Work In Restricted Working Space, Add	35.83		

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 16 00-0674	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	3,032.59	103.44
		<i>For Work In Restricted Working Space, Add</i>	46.58	
22 13 16 00-0675 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends				
		(22 13 16 00-0539)		
22 13 16 00-0676	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	333.29	45.39
		<i>For Work In Restricted Working Space, Add</i>	20.42	
22 13 16 00-0677	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	538.92	59.72
		<i>For Work In Restricted Working Space, Add</i>	26.88	
22 13 16 00-0678	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	935.36	65.22
		<i>For Work In Restricted Working Space, Add</i>	29.38	
22 13 16 00-0679	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	843.96	73.93
		<i>For Work In Restricted Working Space, Add</i>	33.32	
22 13 16 00-0680	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	2,017.11	91.49
		<i>For Work In Restricted Working Space, Add</i>	41.21	
22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug				
		(22 13 16 00-0539)		
22 13 16 00-0682	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	204.97	38.22
		<i>For Work In Restricted Working Space, Add</i>	17.20	
22 13 16 00-0683	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	359.08	51.36
		<i>For Work In Restricted Working Space, Add</i>	23.11	
22 13 16 00-0684	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	580.17	59.72
		<i>For Work In Restricted Working Space, Add</i>	26.88	
22 13 16 00-0685	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,541.96	77.52
		<i>For Work In Restricted Working Space, Add</i>	34.94	
22 13 16 00-0686	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,931.60	104.39
		<i>For Work In Restricted Working Space, Add</i>	47.03	
22 13 16 00-0687	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,563.18	139.15
		<i>For Work In Restricted Working Space, Add</i>	62.70	
22 13 16 00-0688 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug				
		(22 13 16 00-0539)		
22 13 16 00-0689	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	55.39	19.95
		<i>For Work In Restricted Working Space, Add</i>	8.96	
22 13 16 00-0690	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	79.41	25.44
		<i>For Work In Restricted Working Space, Add</i>	11.47	
22 13 16 00-0691	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	114.74	34.16
		<i>For Work In Restricted Working Space, Add</i>	15.41	
22 13 16 00-0692	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	208.65	39.77
		<i>For Work In Restricted Working Space, Add</i>	17.92	
22 13 16 00-0693	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	486.42	51.72
		<i>For Work In Restricted Working Space, Add</i>	23.29	
22 13 16 00-0694	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	1,101.29	69.64
		<i>For Work In Restricted Working Space, Add</i>	31.35	
22 13 16 00-0695	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	2,035.47	92.81
		<i>For Work In Restricted Working Space, Add</i>	41.78	
22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings				
		(22 13 16 00-0539)		
22 13 16 00-0697	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	37.43	19.95
		<i>For Work In Restricted Working Space, Add</i>	8.96	
22 13 16 00-0698	EA	2" Polyvinyl Chloride (PVC) Couplings	46.73	25.44
		<i>For Work In Restricted Working Space, Add</i>	11.47	
22 13 16 00-0699	EA	3" Polyvinyl Chloride (PVC) Couplings	73.10	34.16
		<i>For Work In Restricted Working Space, Add</i>	15.41	
22 13 16 00-0700	EA	4" Polyvinyl Chloride (PVC) Couplings	95.45	39.77
		<i>For Work In Restricted Working Space, Add</i>	17.92	
22 13 16 00-0701	EA	6" Polyvinyl Chloride (PVC) Couplings	274.80	51.72
		<i>For Work In Restricted Working Space, Add</i>	23.29	
22 13 16 00-0702	EA	8" Polyvinyl Chloride (PVC) Couplings	674.07	69.64
		<i>For Work In Restricted Working Space, Add</i>	31.35	
22 13 16 00-0703	EA	10" Polyvinyl Chloride (PVC) Couplings	1,021.95	92.81
		<i>For Work In Restricted Working Space, Add</i>	41.81	
22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters				
		(22 13 16 00-0539)		
22 13 16 00-0705	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	22.59	9.91
		<i>For Work In Restricted Working Space, Add</i>	4.48	
22 13 16 00-0706	EA	2" Polyvinyl Chloride (PVC) Male Adapters	37.94	12.78
		<i>For Work In Restricted Working Space, Add</i>	5.73	
22 13 16 00-0707	EA	3" Polyvinyl Chloride (PVC) Male Adapters	77.89	17.08
		<i>For Work In Restricted Working Space, Add</i>	7.70	
22 13 16 00-0708	EA	4" Polyvinyl Chloride (PVC) Male Adapters	149.53	19.95
		<i>For Work In Restricted Working Space, Add</i>	8.96	
22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe				
		(22 13 16 00-0504)		
		Note: In place piping.		
22 13 16 00-0710	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.75	
22 13 16 00-0711	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.63	
22 13 16 00-0712	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	12.25	
22 13 16 00-0713	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	16.54	
22 13 16 00-0714	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	23.63	
22 13 16 00-0715	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	31.52	

			Plumbing	22	22
			Plumbing Piping	22 10	
			Facility Sanitary Sewerage	22 13	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
22 13 16 00-0716	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	38.54		
22 13 16 00-0717		Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16) Note: Aboveground installation.			
22 13 16 00-0718		Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0717) Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.			
22 13 16 00-0719	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	29.23	5.01	
		For Work In Restricted Working Space, Add	6.87		
22 13 16 00-0720	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	32.48	5.97	
		For Work In Restricted Working Space, Add	7.61		
22 13 16 00-0721	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	44.40	8.60	
		For Work In Restricted Working Space, Add	9.45		
22 13 16 00-0722	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	51.16	9.32	
		For Work In Restricted Working Space, Add	10.50		
22 13 16 00-0723	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	85.50	11.95	
		For Work In Restricted Working Space, Add	13.96		
22 13 16 00-0724		Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) (22 13 16 00-0717) Note: Excludes fittings or hangers.			
22 13 16 00-0725	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe..... For Work In Restricted Working Space, Add	10.15 2.24	5.01	
22 13 16 00-0726	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe..... For Work In Restricted Working Space, Add	12.55 2.69	5.97	
22 13 16 00-0727	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe..... For Work In Restricted Working Space, Add	20.28 3.85	8.60	
22 13 16 00-0728	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe..... For Work In Restricted Working Space, Add	24.56 4.18	9.32	
22 13 16 00-0729	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe..... For Work In Restricted Working Space, Add	38.42 5.03	11.18	
22 13 16 00-0730		Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) (22 13 16 00-0717)			
22 13 16 00-0731		Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends (22 13 16 00-0730)			
22 13 16 00-0732	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... For Work In Restricted Working Space, Add	41.26 8.96	19.95	
22 13 16 00-0733	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... For Work In Restricted Working Space, Add	54.47 11.47	25.44	
22 13 16 00-0734	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... For Work In Restricted Working Space, Add	101.50 15.41	34.16	
22 13 16 00-0735	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... For Work In Restricted Working Space, Add	157.96 17.92	39.77	
22 13 16 00-0736	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... For Work In Restricted Working Space, Add	444.29 23.29	51.72	
22 13 16 00-0737		Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends (22 13 16 00-0730)			
22 13 16 00-0738	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... For Work In Restricted Working Space, Add	57.01 8.96	19.95	
22 13 16 00-0739	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... For Work In Restricted Working Space, Add	69.86 11.47	25.44	
22 13 16 00-0740	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... For Work In Restricted Working Space, Add	139.72 15.41	34.16	
22 13 16 00-0741	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... For Work In Restricted Working Space, Add	234.00 17.92	39.77	
22 13 16 00-0742		Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends (22 13 16 00-0730)			
22 13 16 00-0743	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... For Work In Restricted Working Space, Add	43.39 8.96	19.95	
22 13 16 00-0744	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... For Work In Restricted Working Space, Add	52.97 11.47	25.44	
22 13 16 00-0745	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... For Work In Restricted Working Space, Add	93.66 15.41	34.16	
22 13 16 00-0746	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... For Work In Restricted Working Space, Add	143.49 17.92	39.77	
22 13 16 00-0747	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... For Work In Restricted Working Space, Add	459.56 23.29	51.72	

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 16 00-0748 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees (22 13 16 00-0730)			
22 13 16 00-0749	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees.....	64.19	29.87
	For Work In Restricted Working Space, Add	13.44	
22 13 16 00-0750	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees.....	86.48	38.22
	For Work In Restricted Working Space, Add	17.20	
22 13 16 00-0751	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees.....	151.33	51.36
	For Work In Restricted Working Space, Add	23.11	
22 13 16 00-0752	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees.....	232.33	59.72
	For Work In Restricted Working Space, Add	26.88	
22 13 16 00-0753	EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees.....	890.18	77.52
	For Work In Restricted Working Space, Add	34.94	
22 13 16 00-0754 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0730)			
22 13 16 00-0755	EA 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	79.90	32.60
	For Work In Restricted Working Space, Add	14.69	
22 13 16 00-0756	EA 2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	96.59	35.35
	For Work In Restricted Working Space, Add	15.95	
22 13 16 00-0757	EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	81.10	35.35
	For Work In Restricted Working Space, Add	15.95	
22 13 16 00-0758	EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	123.03	44.19
	For Work In Restricted Working Space, Add	19.89	
22 13 16 00-0759	EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	127.74	46.94
	For Work In Restricted Working Space, Add	21.14	
22 13 16 00-0760	EA 4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	280.39	49.68
	For Work In Restricted Working Space, Add	22.40	
22 13 16 00-0761	EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	270.89	52.55
	For Work In Restricted Working Space, Add	23.65	
22 13 16 00-0762	EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	310.60	56.85
	For Work In Restricted Working Space, Add	25.62	
22 13 16 00-0763	EA 6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	972.57	71.55
	For Work In Restricted Working Space, Add	32.25	
22 13 16 00-0764 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0730)			
22 13 16 00-0765	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	118.64	39.77
	For Work In Restricted Working Space, Add	17.92	
22 13 16 00-0766	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	162.41	50.88
	For Work In Restricted Working Space, Add	22.93	
22 13 16 00-0767	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	344.22	68.44
	For Work In Restricted Working Space, Add	30.82	
22 13 16 00-0768	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	506.49	79.55
	For Work In Restricted Working Space, Add	35.83	
22 13 16 00-0769 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0730)			
22 13 16 00-0770	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	134.91	45.39
	For Work In Restricted Working Space, Add	20.42	
22 13 16 00-0771	EA 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	204.30	54.10
	For Work In Restricted Working Space, Add	24.37	
22 13 16 00-0772	EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	235.22	59.72
	For Work In Restricted Working Space, Add	26.88	
22 13 16 00-0773	EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	412.43	61.05
	For Work In Restricted Working Space, Add	27.51	
22 13 16 00-0774	EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	433.59	69.22
	For Work In Restricted Working Space, Add	31.20	
22 13 16 00-0775 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-0730)			
22 13 16 00-0776	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	83.84	29.87
	For Work In Restricted Working Space, Add	13.44	
22 13 16 00-0777	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	97.43	38.22
	For Work In Restricted Working Space, Add	17.20	
22 13 16 00-0778	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	165.78	51.36
	For Work In Restricted Working Space, Add	23.11	
22 13 16 00-0779	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	254.92	59.72
	For Work In Restricted Working Space, Add	26.88	
22 13 16 00-0780	EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	723.12	77.52
	For Work In Restricted Working Space, Add	34.94	
22 13 16 00-0781 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-0730)			
22 13 16 00-0782	EA 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	118.65	32.60
	For Work In Restricted Working Space, Add	14.69	
22 13 16 00-0783	EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	122.12	35.35
	For Work In Restricted Working Space, Add	15.95	
22 13 16 00-0784	EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	139.44	46.94
	For Work In Restricted Working Space, Add	21.14	
22 13 16 00-0785	EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	211.68	52.55
	For Work In Restricted Working Space, Add	23.65	
22 13 16 00-0786	EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	240.60	56.85
	For Work In Restricted Working Space, Add	25.62	
22 13 16 00-0787	EA 6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	608.72	71.55
	For Work In Restricted Working Space, Add	32.25	

		Plumbing	22	22
		Plumbing Piping	22 10	
		Facility Sanitary Sewerage	22 13	
MINOR	TOTAL DIRECT	DEMOLITION		
CSI UOM DESCRIPTION	UNIT COST	UNIT COST		

22 13 16 00-0788 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-0730)				
22 13 16 00-0789	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	142.78	39.77	
	<i>For Work In Restricted Working Space, Add</i>	17.92		
22 13 16 00-0790	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	183.27	50.88	
	<i>For Work In Restricted Working Space, Add</i>	22.93		
22 13 16 00-0791	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	378.91	68.44	
	<i>For Work In Restricted Working Space, Add</i>	30.82		
22 13 16 00-0792	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	678.93	79.55	
	<i>For Work In Restricted Working Space, Add</i>	35.83		
22 13 16 00-0793 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes (22 13 16 00-0730)				
22 13 16 00-0794	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	165.65	45.39	
	<i>For Work In Restricted Working Space, Add</i>	20.42		
22 13 16 00-0795	EA 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	276.04	54.10	
	<i>For Work In Restricted Working Space, Add</i>	24.37		
22 13 16 00-0796	EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	294.64	59.72	
	<i>For Work In Restricted Working Space, Add</i>	26.88		
22 13 16 00-0797	EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	433.39	65.22	
	<i>For Work In Restricted Working Space, Add</i>	29.38		
22 13 16 00-0798	EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	554.17	73.93	
	<i>For Work In Restricted Working Space, Add</i>	33.32		
22 13 16 00-0799 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend (22 13 16 00-0730)				
22 13 16 00-0800	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	107.17	29.87	
	<i>For Work In Restricted Working Space, Add</i>	13.44		
22 13 16 00-0801	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	138.40	38.22	
	<i>For Work In Restricted Working Space, Add</i>	17.20		
22 13 16 00-0802	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	210.61	51.36	
	<i>For Work In Restricted Working Space, Add</i>	23.11		
22 13 16 00-0803	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	346.08	55.91	
	<i>For Work In Restricted Working Space, Add</i>	25.16		
22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend (22 13 16 00-0730)				
22 13 16 00-0805	EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	118.80	35.35	
	<i>For Work In Restricted Working Space, Add</i>	15.95		
22 13 16 00-0806	EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	221.75	44.19	
	<i>For Work In Restricted Working Space, Add</i>	19.89		
22 13 16 00-0807	EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	167.62	46.94	
	<i>For Work In Restricted Working Space, Add</i>	21.14		
22 13 16 00-0808	EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	295.23	52.55	
	<i>For Work In Restricted Working Space, Add</i>	23.65		
22 13 16 00-0809	EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	319.72	56.85	
	<i>For Work In Restricted Working Space, Add</i>	25.62		
22 13 16 00-0810 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend (22 13 16 00-0730)				
22 13 16 00-0811	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	223.20	50.88	
	<i>For Work In Restricted Working Space, Add</i>	22.93		
22 13 16 00-0812	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	441.22	68.44	
	<i>For Work In Restricted Working Space, Add</i>	30.82		
22 13 16 00-0813 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend (22 13 16 00-0730)				
22 13 16 00-0814	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	186.19	45.39	
	<i>For Work In Restricted Working Space, Add</i>	20.42		
22 13 16 00-0815	EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	422.32	59.72	
	<i>For Work In Restricted Working Space, Add</i>	26.88		
22 13 16 00-0816 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug (22 13 16 00-0730)				
22 13 16 00-0817	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	118.16	29.87	
	<i>For Work In Restricted Working Space, Add</i>	13.44		
22 13 16 00-0818	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	149.39	38.22	
	<i>For Work In Restricted Working Space, Add</i>	17.20		
22 13 16 00-0819	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	235.17	51.36	
	<i>For Work In Restricted Working Space, Add</i>	23.11		
22 13 16 00-0820	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	385.18	59.72	
	<i>For Work In Restricted Working Space, Add</i>	26.88		
22 13 16 00-0821 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug (22 13 16 00-0730)				
22 13 16 00-0822	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	55.02	19.95	
	<i>For Work In Restricted Working Space, Add</i>	8.96		

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 16 00-0823	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	78.81		25.44
		<i>For Work In Restricted Working Space, Add</i>	11.47		
22 13 16 00-0824	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	113.74		34.16
		<i>For Work In Restricted Working Space, Add</i>	15.41		
22 13 16 00-0825	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	206.58		39.77
		<i>For Work In Restricted Working Space, Add</i>	17.92		
22 13 16 00-0826	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	480.82		51.72
		<i>For Work In Restricted Working Space, Add</i>	23.29		
22 13 16 00-0827		Acrylonitrile Butadiene Styrene (ABS) DWV Couplings (22 13 16 00-0730)			
22 13 16 00-0828	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	38.54		19.95
		<i>For Work In Restricted Working Space, Add</i>	8.96		
22 13 16 00-0829	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	47.36		25.44
		<i>For Work In Restricted Working Space, Add</i>	11.47		
22 13 16 00-0830	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	76.23		34.16
		<i>For Work In Restricted Working Space, Add</i>	15.41		
22 13 16 00-0831	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	100.72		39.77
		<i>For Work In Restricted Working Space, Add</i>	17.92		
22 13 16 00-0832	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	280.27		51.72
		<i>For Work In Restricted Working Space, Add</i>	23.29		
22 13 16 00-0833		Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0730)			
22 13 16 00-0834	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	56.02		22.70
		<i>For Work In Restricted Working Space, Add</i>	10.21		
22 13 16 00-0835	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	110.29		27.00
		<i>For Work In Restricted Working Space, Add</i>	12.18		
22 13 16 00-0836	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	103.22		29.87
		<i>For Work In Restricted Working Space, Add</i>	13.44		
22 13 16 00-0837	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	164.21		32.60
		<i>For Work In Restricted Working Space, Add</i>	14.69		
22 13 16 00-0838	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	176.11		37.02
		<i>For Work In Restricted Working Space, Add</i>	16.66		
22 13 16 00-0839		Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0730)			
22 13 16 00-0840	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	87.40		29.87
		<i>For Work In Restricted Working Space, Add</i>	13.44		
22 13 16 00-0841	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	126.30		38.22
		<i>For Work In Restricted Working Space, Add</i>	17.20		
22 13 16 00-0842	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	392.93		51.36
		<i>For Work In Restricted Working Space, Add</i>	23.11		
22 13 16 00-0843	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	736.76		59.72
		<i>For Work In Restricted Working Space, Add</i>	26.88		
22 13 16 00-0844		Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0730)			
22 13 16 00-0845	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....	119.21		39.77
		<i>For Work In Restricted Working Space, Add</i>	17.92		
22 13 16 00-0846	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....	111.34		37.02
		<i>For Work In Restricted Working Space, Add</i>	16.66		
22 13 16 00-0847		Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0730)			
22 13 16 00-0848	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	25.99		9.91
		<i>For Work In Restricted Working Space, Add</i>	4.48		
22 13 16 00-0849	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	38.72		12.78
		<i>For Work In Restricted Working Space, Add</i>	5.73		
22 13 16 00-0850	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	82.80		17.08
		<i>For Work In Restricted Working Space, Add</i>	7.70		
22 13 16 00-0851	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	156.24		19.95
		<i>For Work In Restricted Working Space, Add</i>	8.96		
22 13 16 00-0852		Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0730)			
22 13 16 00-0853	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	43.18		22.70
		<i>For Work In Restricted Working Space, Add</i>	10.21		
22 13 16 00-0854	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	89.92		27.00
		<i>For Work In Restricted Working Space, Add</i>	12.18		
22 13 16 00-0855	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	76.12		29.87
		<i>For Work In Restricted Working Space, Add</i>	13.44		
22 13 16 00-0856	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	162.63		32.60
		<i>For Work In Restricted Working Space, Add</i>	14.69		
22 13 16 00-0857	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	121.40		37.02
		<i>For Work In Restricted Working Space, Add</i>	16.66		
22 13 16 00-0858	EA	6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	322.56		42.82
		<i>For Work In Restricted Working Space, Add</i>	19.29		
22 13 16 00-0859		Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-0730)			
22 13 16 00-0860	EA	1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	154.96		19.95
		<i>For Work In Restricted Working Space, Add</i>	8.96		
22 13 16 00-0861	EA	2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	171.65		25.44
		<i>For Work In Restricted Working Space, Add</i>	11.47		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0862	EA	3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	193.13 15.41	34.16
22 13 16 00-0863	EA	4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	209.83 17.92	39.77
22 13 16 00-0864 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe				
(22 13 16 00-0717) Note: In place piping.				
22 13 16 00-0865	EA	1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.75	
22 13 16 00-0866	EA	2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.63	
22 13 16 00-0867	EA	3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	12.25	
22 13 16 00-0868	EA	4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	16.54	
22 13 16 00-0869	EA	6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	23.63	
22 13 16 00-0870 Elastomeric Flexible Pipe Couplings (22 13 16)				
22 13 16 00-0871 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings				
(22 13 16 00-0870) Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.				
22 13 16 00-0872	EA	1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	15.40	5.19
		<i>For Work In Restricted Working Space, Add</i>	3.11	
22 13 16 00-0873	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	16.60	5.51
		<i>For Work In Restricted Working Space, Add</i>	3.31	
22 13 16 00-0874	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	17.45	5.84
		<i>For Work In Restricted Working Space, Add</i>	3.50	
22 13 16 00-0875	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	20.14	6.16
		<i>For Work In Restricted Working Space, Add</i>	3.70	
22 13 16 00-0876	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	22.75	6.49
		<i>For Work In Restricted Working Space, Add</i>	3.89	
22 13 16 00-0877	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	28.95	6.81
		<i>For Work In Restricted Working Space, Add</i>	4.09	
22 13 16 00-0878	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	35.19	7.13
		<i>For Work In Restricted Working Space, Add</i>	4.28	
22 13 16 00-0879	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	47.74	7.79
		<i>For Work In Restricted Working Space, Add</i>	4.67	
22 13 16 00-0880	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	62.89	9.08
		<i>For Work In Restricted Working Space, Add</i>	5.45	
22 13 16 00-0881 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings (22 13 16 00-0870)				
Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.				
22 13 16 00-0882	EA	1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	16.40	5.51
		<i>For Work In Restricted Working Space, Add</i>	3.31	
22 13 16 00-0883	EA	2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	17.78	5.84
		<i>For Work In Restricted Working Space, Add</i>	3.50	
22 13 16 00-0884	EA	3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	21.76	6.16
		<i>For Work In Restricted Working Space, Add</i>	3.70	
22 13 16 00-0885	EA	3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	19.55	6.16
		<i>For Work In Restricted Working Space, Add</i>	3.70	
22 13 16 00-0886	EA	4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	26.72	6.49
		<i>For Work In Restricted Working Space, Add</i>	3.89	
22 13 16 00-0887	EA	4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	25.59	6.49
		<i>For Work In Restricted Working Space, Add</i>	3.89	
22 13 16 00-0888	EA	4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	23.50	6.49
		<i>For Work In Restricted Working Space, Add</i>	3.89	
22 13 16 00-0889	EA	5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	33.86	6.81
		<i>For Work In Restricted Working Space, Add</i>	4.09	
22 13 16 00-0890	EA	5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	30.66	6.81
		<i>For Work In Restricted Working Space, Add</i>	4.09	
22 13 16 00-0891	EA	6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	41.79	7.13
		<i>For Work In Restricted Working Space, Add</i>	4.28	
22 13 16 00-0892	EA	6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	37.01	7.13
		<i>For Work In Restricted Working Space, Add</i>	4.28	
22 13 16 00-0893	EA	6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	38.34	7.13
		<i>For Work In Restricted Working Space, Add</i>	4.28	
22 13 16 00-0894	EA	8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	75.19	12.97
		<i>For Work In Restricted Working Space, Add</i>	7.79	
22 13 16 00-0895	EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	61.92	12.97
		<i>For Work In Restricted Working Space, Add</i>	7.79	
22 13 16 00-0896	EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	78.18	14.59
		<i>For Work In Restricted Working Space, Add</i>	8.76	
22 13 16 00-0897 Elastomeric Flexible Expansion Joint Couplings (Fernco XJ) (22 13 16)				
Note: Includes stainless steel clamps.				
22 13 16 00-0898	EA	1-1/2" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-150)	30.07	5.51
22 13 16 00-0899	EA	2" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-2)	33.33	5.84
22 13 16 00-0900	EA	3" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-3)	35.76	6.16
22 13 16 00-0901	EA	4" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-4)	42.44	6.49

22 Plumbing
22 10 Plumbing Piping
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TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 16 00-0902 Elastomeric Flexible Pipe Caps (Fernco QC) (22 13 16)			
Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.			
22 13 16 00-0903	EA 1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101).....	57.22	35.02
22 13 16 00-0904	EA 2" Elastomeric Flexible Pipe Cap (Fernco QC-102).....	61.38	37.23
22 13 16 00-0905	EA 3" Elastomeric Flexible Pipe Cap (Fernco QC-103).....	71.08	42.68
22 13 16 00-0906	EA 4" Elastomeric Flexible Pipe Cap (Fernco QC-104).....	93.78	56.42
22 13 16 00-0907	EA 5" Elastomeric Flexible Pipe Cap (Fernco QC-105).....	112.41	67.45
22 13 16 00-0908	EA 6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....	129.60	77.84
22 13 16 00-0909	EA 8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....	173.85	98.58
22 13 16 00-0910	EA 10" Elastomeric Flexible Pipe Cap (Fernco QC-110).....	213.73	110.26
22 13 16 00-0911	EA 12" Elastomeric Flexible Pipe Cap (Fernco QC-112).....	270.48	122.59

22 13 16 00-0912 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) (22 13 16)			
22 13 16 00-0913	EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	105.95	26.88
22 13 16 00-0914	EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	111.92	29.87
22 13 16 00-0915	EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	167.12	38.81
22 13 16 00-0916	EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	195.85	44.79
22 13 16 00-0917	EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	228.28	50.76
22 13 16 00-0918	EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	381.90	56.73

22 13 16 00-0919 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) (22 13 16)			
22 13 16 00-0920	EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	216.66	26.88
22 13 16 00-0921	EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	222.63	29.87
22 13 16 00-0922	EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	264.91	38.81
22 13 16 00-0923	EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	331.15	44.79
22 13 16 00-0924	EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	451.70	50.76
22 13 16 00-0925	EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	463.65	56.73

22 13 16 00-0926 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) (22 13 16)			
Note: Includes counterflashing collar, deep protective hood and recessed securing screws.			
22 13 16 00-0927	EA 1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	411.39	26.88
22 13 16 00-0928	EA 2" Cast Iron Vandal Proof Hooded Vent Cap.....	417.36	29.87
22 13 16 00-0929	EA 3" Cast Iron Vandal Proof Hooded Vent Cap.....	479.99	38.81
22 13 16 00-0930	EA 4" Cast Iron Vandal Proof Hooded Vent Cap.....	540.36	44.79
22 13 16 00-0931	EA 5" Cast Iron Vandal Proof Hooded Vent Cap.....	630.54	50.76
22 13 16 00-0932	EA 6" Cast Iron Vandal Proof Hooded Vent Cap.....	689.06	56.73

22 13 19 Sanitary Waste Piping Specialties (22 13)

22 13 19 13 Sanitary Drains (22 13 19)

22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)			
22 13 19 13-0002	EA Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet.....	857.54	128.40
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0003	EA Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....	942.31	143.93
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0004	EA Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	919.30	159.21
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0005	EA Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	952.09	175.70
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0006	EA Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet.....	860.91	143.93
	For Ductile Iron Grate, Add	48.00	
	For Cast Iron Dome Grate, Add	17.00	
	For Nikaloy Dome Grate, Add	178.50	
	For Bronze Dome Grate, Add	143.00	
	For Cast Iron Extension Collar, Each 3", Add	57.50	
	For Galvanized Extension Collar, Each 3", Add	117.50	
	For Galvanized Cast Iron Parts, Add	87.50	
	For Vandal Proof Screws, Add	30.50	
22 13 19 13-0007	EA Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet.....	891.61	159.21
	For Ductile Iron Grate, Add	48.00	
	For Cast Iron Dome Grate, Add	17.00	
	For Nikaloy Dome Grate, Add	178.50	
	For Bronze Dome Grate, Add	143.00	
	For Cast Iron Extension Collar, Each 3", Add	57.50	
	For Galvanized Extension Collar, Each 3", Add	117.50	
	For Galvanized Cast Iron Parts, Add	87.50	
	For Vandal Proof Screws, Add	30.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0008	EA		Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	924.40	175.70
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0009	EA		Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,431.24	143.93
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0010	EA		Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,461.94	159.21
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0011	EA		Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,494.73	175.70
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0012	EA		Bronze Top, 9" Round Top Floor Drain With 2" Outlet	1,348.18	143.93
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0013	EA		Bronze Top, 9" Round Top Floor Drain With 3" Outlet	1,378.71	159.21
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0014	EA		Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,411.67	175.70
			For Ductile Iron Grate, Add	48.00	
			For Cast Iron Dome Grate, Add	17.00	
			For Nikaloy Dome Grate, Add	178.50	
			For Bronze Dome Grate, Add	143.00	
			For Cast Iron Extension Collar, Each 3", Add	57.50	
			For Galvanized Extension Collar, Each 3", Add	117.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0015	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,480.94	143.81
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0016	EA		Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,511.61	159.21
			For Ductile Iron Grate, Add	53.00	
			For Cast Iron Dome Grate, Add	28.00	
			For Nikaloy Dome Grate, Add	255.00	
			For Cast Iron Extension Collar, Each 2", Add	51.00	
			For Galvanized Extension Collar, Each 2", Add	102.50	
			For Galvanized Cast Iron Parts, Add	132.00	
			For Primer Tap, Add	33.50	
			For Chained Grate, Add	48.50	
			For Vandal Proof Screws, Add	30.50	

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 TOTAL DIRECT DEMOLITION
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22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,544.57	175.70
		For Ductile Iron Grate, Add	53.00	
		For Cast Iron Dome Grate, Add	28.00	
		For Nikaloy Dome Grate, Add	255.00	
		For Cast Iron Extension Collar, Each 2", Add	51.00	
		For Galvanized Extension Collar, Each 2", Add	102.50	
		For Galvanized Cast Iron Parts, Add	132.00	
		For Primer Tap, Add	33.50	
		For Chained Grate, Add	48.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,333.67	143.81
		For Ductile Iron Grate, Add	53.00	
		For Cast Iron Dome Grate, Add	28.00	
		For Nikaloy Dome Grate, Add	255.00	
		For Cast Iron Extension Collar, Each 2", Add	51.00	
		For Galvanized Extension Collar, Each 2", Add	102.50	
		For Galvanized Cast Iron Parts, Add	132.00	
		For Primer Tap, Add	33.50	
		For Chained Grate, Add	48.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0019	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,364.34	159.21
		For Ductile Iron Grate, Add	53.00	
		For Cast Iron Dome Grate, Add	28.00	
		For Nikaloy Dome Grate, Add	255.00	
		For Cast Iron Extension Collar, Each 2", Add	51.00	
		For Galvanized Extension Collar, Each 2", Add	102.50	
		For Galvanized Cast Iron Parts, Add	132.00	
		For Primer Tap, Add	33.50	
		For Chained Grate, Add	48.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0020	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,397.30	175.70
		For Ductile Iron Grate, Add	53.00	
		For Cast Iron Dome Grate, Add	28.00	
		For Nikaloy Dome Grate, Add	255.00	
		For Cast Iron Extension Collar, Each 2", Add	51.00	
		For Galvanized Extension Collar, Each 2", Add	102.50	
		For Galvanized Cast Iron Parts, Add	132.00	
		For Primer Tap, Add	33.50	
		For Chained Grate, Add	48.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0021	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,220.15	143.81
		For Ductile Iron Grate, Add	53.00	
		For Cast Iron Dome Grate, Add	28.00	
		For Nikaloy Dome Grate, Add	255.00	
		For Cast Iron Extension Collar, Each 2", Add	51.00	
		For Galvanized Extension Collar, Each 2", Add	102.50	
		For Galvanized Cast Iron Parts, Add	132.00	
		For Primer Tap, Add	33.50	
		For Chained Grate, Add	48.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0022	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,250.82	159.21
		For Ductile Iron Grate, Add	53.00	
		For Cast Iron Dome Grate, Add	28.00	
		For Nikaloy Dome Grate, Add	255.00	
		For Cast Iron Extension Collar, Each 2", Add	51.00	
		For Galvanized Extension Collar, Each 2", Add	102.50	
		For Galvanized Cast Iron Parts, Add	132.00	
		For Primer Tap, Add	33.50	
		For Chained Grate, Add	48.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,283.78	175.70
		For Ductile Iron Grate, Add	53.00	
		For Cast Iron Dome Grate, Add	28.00	
		For Nikaloy Dome Grate, Add	255.00	
		For Cast Iron Extension Collar, Each 2", Add	51.00	
		For Galvanized Extension Collar, Each 2", Add	102.50	
		For Galvanized Cast Iron Parts, Add	132.00	
		For Primer Tap, Add	33.50	
		For Chained Grate, Add	48.50	
		For Vandal Proof Screws, Add	30.50	

22 13 19 13-0024 Square Or Rectangular Top Drains (22 13 19 13)

22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,018.58	143.81
		For Sediment Bucket, Add	22.50	
		For Galvanized Cast Iron Parts, Add	105.00	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,049.59	159.33
		For Sediment Bucket, Add	22.50	
		For Galvanized Cast Iron Parts, Add	105.00	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,082.21	175.70
		For Sediment Bucket, Add	22.50	
		For Galvanized Cast Iron Parts, Add	105.00	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,101.64	143.81
		For Sediment Bucket, Add	22.50	
		For Galvanized Cast Iron Parts, Add	105.00	
		For Vandal Proof Screws, Add	11.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	.....	1,132.65	159.33
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	.....	1,165.27	175.70
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	.....	1,467.09	143.81
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	.....	1,498.10	159.33
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	.....	1,530.72	175.70
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	.....	957.67	143.81
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	.....	988.68	159.33
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	.....	1,021.30	175.70
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	.....	1,062.88	143.81
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	.....	1,093.89	159.33
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	.....	1,126.51	175.70
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	.....	1,359.12	143.81
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	.....	1,390.13	159.33
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	.....	1,422.75	175.70
		For Sediment Bucket, Add	.....	22.50	
		For Galvanized Cast Iron Parts, Add	.....	105.00	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	.....	3,527.49	159.33
		For Galvanized Cast Iron Parts, Add	.....	318.00	
		For No-Hub Side Outlet, Add	.....	76.00	
		For Chained Grate, Add	.....	48.50	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	.....	3,560.11	175.70
		For Galvanized Cast Iron Parts, Add	.....	318.00	
		For No-Hub Side Outlet, Add	.....	76.00	
		For Chained Grate, Add	.....	48.50	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	.....	4,430.05	159.33
		For Galvanized Cast Iron Parts, Add	.....	318.00	
		For No-Hub Side Outlet, Add	.....	76.00	
		For Chained Grate, Add	.....	48.50	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	.....	4,462.67	175.70
		For Galvanized Cast Iron Parts, Add	.....	318.00	
		For No-Hub Side Outlet, Add	.....	76.00	
		For Chained Grate, Add	.....	48.50	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	.....	4,322.08	159.33
		For Galvanized Cast Iron Parts, Add	.....	318.00	
		For No-Hub Side Outlet, Add	.....	76.00	
		For Chained Grate, Add	.....	48.50	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	.....	4,354.70	175.70
		For Galvanized Cast Iron Parts, Add	.....	318.00	
		For No-Hub Side Outlet, Add	.....	76.00	
		For Chained Grate, Add	.....	48.50	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	.....	1,489.24	143.81
		For Rough Bronze Body, Add	.....	120.94	
		For Sediment Bucket, Add	.....	22.50	
		For Vandal Proof Screws, Add	.....	11.00	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	.....	1,520.25	159.33
		For Rough Bronze Body, Add		120.94	
		For Sediment Bucket, Add		22.50	
		For Vandal Proof Screws, Add		11.00	

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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,552.87	175.70
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,918.38	143.81
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,949.39	159.33
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,982.01	175.70
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	2,018.05	143.81
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,049.06	159.33
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,081.68	175.70
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	2,790.48	143.81
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	2,821.49	159.33
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	2,854.11	175.70
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,400.65	143.81
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,431.66	159.33
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,464.28	175.70
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,766.10	143.81
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,797.11	159.33
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,829.73	175.70
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top.....	1,865.77	143.81
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	1,896.78	159.33
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top.....	1,929.40	175.70
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top.....	2,494.24	143.81
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top.....	2,525.25	159.33
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top.....	2,557.87	175.70
		For Rough Bronze Body, Add	120.94	
		For Sediment Bucket, Add	22.50	
		For Vandal Proof Screws, Add	11.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0073			Funnel Type Floor Drains (22 13 19 13)		
22 13 19 13-0074	EA		7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top.....	1,405.83	128.40
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0075	EA		7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top.....	1,436.64	143.81
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0076	EA		7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top.....	1,467.31	159.21
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0077	EA		7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top.....	1,500.27	175.70
			For Vandal Proof Screws, Add	11.00	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0078	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top.....	2,059.57	143.81
			For Vandal Proof Screws, Add	11.00	
			For Primer Tap, Add	15.10	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0079	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top.....	2,090.24	159.21
			For Vandal Proof Screws, Add	11.00	
			For Primer Tap, Add	15.10	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0080	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top.....	2,123.20	175.70
			For Vandal Proof Screws, Add	11.00	
			For Primer Tap, Add	15.10	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0081	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top.....	1,951.60	143.81
			For Vandal Proof Screws, Add	11.00	
			For Primer Tap, Add	15.10	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top.....	1,982.27	159.21
			For Vandal Proof Screws, Add	11.00	
			For Primer Tap, Add	15.10	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top.....	2,015.23	175.70
			For Vandal Proof Screws, Add	11.00	
			For Primer Tap, Add	15.10	
			For Galvanized Cast Iron Parts, Add	105.00	
			For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0084			Floor Drain With Sediment Bucket Bottom Outlet (22 13 19 13)		
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,989.36	128.40
			For Galvanized Cast Iron Parts, Add	247.00	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,020.28	143.81
			For Galvanized Cast Iron Parts, Add	247.00	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,050.95	159.21
			For Galvanized Cast Iron Parts, Add	247.00	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,083.91	175.70
			For Galvanized Cast Iron Parts, Add	247.00	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	3,117.91	192.66
			For Galvanized Cast Iron Parts, Add	247.00	
			For Primer Tap, Add	33.50	
			For Vandal Proof Screws, Add	30.50	
22 13 19 13-0090	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate.....	3,230.69	143.81
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate.....	3,261.70	159.33
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate.....	3,294.32	175.70
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	273.75	

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate.....	3,328.32	192.66
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	31.00	
		For Aluminum Bucket, Add	77.50	
		For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate.....	1,982.05	143.81
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	31.00	
		For Aluminum Bucket, Add	77.50	
		For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate.....	2,013.06	159.33
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	31.00	
		For Aluminum Bucket, Add	77.50	
		For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate.....	2,045.68	175.70
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	31.00	
		For Aluminum Bucket, Add	77.50	
		For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate.....	2,079.68	192.66
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	31.00	
		For Aluminum Bucket, Add	77.50	
		For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate.....	3,014.74	143.81
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	31.00	
		For Aluminum Bucket, Add	77.50	
		For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate.....	3,045.75	159.33
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	31.00	
		For Aluminum Bucket, Add	77.50	
		For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate.....	3,078.37	175.70
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	31.00	
		For Aluminum Bucket, Add	77.50	
		For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate.....	3,112.37	192.66
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	31.00	
		For Aluminum Bucket, Add	77.50	
		For Galvanized Cast Iron Parts, Add	273.75	

22 13 19 13-0102 Other Drains (22 13 19 13)

22 13 19 13-0103 Shower Drains (22 13 19 13-0102)

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer.....	54.51	12.97
		Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer.....	60.64	12.97
		Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA	4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe.....	125.61	25.95
		Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	160.82	25.95
		Note: For 2" pipe. Kohler K-9132.		

22 13 19 13-0108 Acid Resistant Floor Drains (22 13 19 13-0102)

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,416.79	128.40
		For Galvanized Cast Iron Parts, Add	87.50	
		For Primer Tap, Add	33.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,447.71	143.81
		For Galvanized Cast Iron Parts, Add	87.50	
		For Primer Tap, Add	33.50	
		For Vandal Proof Screws, Add	30.50	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,478.38	159.21
		For Galvanized Cast Iron Parts, Add	87.50	
		For Primer Tap, Add	33.50	
		For Vandal Proof Screws, Add	30.50	

22 13 19 13-0112 Rotary And Lever Drains (22 13 19 13-0102)

22 13 19 13-0113	EA	1-1/2" Drain, 3" Sink Opening Lever Drain.....	288.48	86.60
22 13 19 13-0114	EA	2" Drain, 3" Sink Opening Lever Drain.....	306.39	95.55
22 13 19 13-0115	EA	1-1/2" Drain, 3-1/2" Sink Opening Lever Drain.....	288.48	86.60
22 13 19 13-0116	EA	2" Drain, 3-1/2" Sink Opening Lever Drain.....	306.39	95.55
22 13 19 13-0117	EA	1-1/2" Drain, 3" Sink Opening Twist Drain.....	288.48	86.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0118	EA		2" Drain, 3" Sink Opening Twist Drain	306.39	95.55
22 13 19 13-0119	EA		1-1/2" Drain, 3-1/2" Sink Opening Twist Drain	288.48	86.60
22 13 19 13-0120	EA		2" Drain, 3-1/2" Sink Opening Twist Drain	306.39	95.55
22 13 19 13-0121	EA		1-1/2" To 2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100).....	395.34	95.55
22 13 19 13-0122 Floor Receptor (22 13 19 13)					
22 13 19 13-0123 9" Diameter Round Shallow Receptor (22 13 19 13-0122)					
Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.					
22 13 19 13-0124	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,738.61	143.93
			For Flange With Seepage Holes, Add	58.50	
			For Flange With Seepage Holes And Clamp Collar, Add	97.00	
			For Trap Primer Connection, Add	38.00	
			For Full Grate With 2" Square Center Opening, Add	36.00	
			For Vandal Proof Secured Grate, Add	33.50	
			For White Acid Resistant Bucket, Add	47.00	
			For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0125	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,769.76	159.45
			For Flange With Seepage Holes, Add	58.50	
			For Flange With Seepage Holes And Clamp Collar, Add	97.00	
			For Trap Primer Connection, Add	38.00	
			For Full Grate With 2" Square Center Opening, Add	36.00	
			For Vandal Proof Secured Grate, Add	33.50	
			For White Acid Resistant Bucket, Add	47.00	
			For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0126	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,802.05	175.70
			For Flange With Seepage Holes, Add	58.50	
			For Flange With Seepage Holes And Clamp Collar, Add	97.00	
			For Trap Primer Connection, Add	38.00	
			For Full Grate With 2" Square Center Opening, Add	36.00	
			For Vandal Proof Secured Grate, Add	33.50	
			For White Acid Resistant Bucket, Add	47.00	
			For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0127 Square Top Floor Receptors (22 13 19 13-0122)					
Note: With acid resistant coating.					
22 13 19 13-0128	EA		8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	2,050.91	128.40
			For Flange With Seepage Holes, Add	37.50	
			For Flange With Seepage Holes And Clamp Collar, Add	69.00	
			For Trap Primer Connection, Add	39.50	
			For Full Grate With 2" Square Center Opening, Add	36.00	
			For Vandal Proof Secured Grate, Add	15.50	
			For White Acid Resistant Bucket, Add	88.00	
			For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0129	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	2,081.86	143.93
			For Flange With Seepage Holes, Add	37.50	
			For Flange With Seepage Holes And Clamp Collar, Add	69.00	
			For Trap Primer Connection, Add	39.50	
			For Full Grate With 2" Square Center Opening, Add	36.00	
			For Vandal Proof Secured Grate, Add	15.50	
			For White Acid Resistant Bucket, Add	88.00	
			For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0130	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	2,112.39	159.21
			For Flange With Seepage Holes, Add	37.50	
			For Flange With Seepage Holes And Clamp Collar, Add	69.00	
			For Trap Primer Connection, Add	39.50	
			For Full Grate With 2" Square Center Opening, Add	36.00	
			For Vandal Proof Secured Grate, Add	15.50	
			For White Acid Resistant Bucket, Add	88.00	
			For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0131	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	2,145.35	175.70
			For Flange With Seepage Holes, Add	37.50	
			For Flange With Seepage Holes And Clamp Collar, Add	69.00	
			For Trap Primer Connection, Add	39.50	
			For Full Grate With 2" Square Center Opening, Add	36.00	
			For Vandal Proof Secured Grate, Add	15.50	
			For White Acid Resistant Bucket, Add	88.00	
			For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0132 Floor Drain Accessories (22 13 19 13)					
22 13 19 13-0133	EA		3" Trap Guard Floor Drain Insert (ProVent TG3H).....	116.85	14.93
Note: Prevents emission of sewer gases.					
22 13 19 13-0134	EA		2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)	95.10	14.93
Note: Prevents emission of sewer gases.					
22 13 19 13-0135	EA		3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33)	103.80	14.93
Note: Prevents emission of sewer gases.					
22 13 19 13-0136	EA		3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	125.54	14.93
Note: Prevents emission of sewer gases.					
22 13 19 13-0137	EA		3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	112.50	14.93
Note: Prevents emission of sewer gases.					
22 13 19 13-0138	EA		2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)	160.57	14.93
Note: Prevents emission of sewer gases.					
22 13 19 13-0139	EA		3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)	178.07	14.93
Note: Prevents emission of sewer gases.					
22 13 19 13-0140	EA		4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)	221.49	14.93
Note: Prevents emission of sewer gases.					

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 19 26 Grease Removal Devices (22 13 19)

22 13 19 26-0001	Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)		
	Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002	Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)		
	Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA 7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	1,359.01	89.59
	Note: Josam 60102H.		
	For Steel Enclosure Cabinet With Non-Skid Cover, Add		
		1,337.56	
22 13 19 26-0004	EA 10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	1,584.96	201.56
	Note: Josam 60103H.		
	For Flange And Clamp Device, Add		
		394.54	
	For Steel Enclosure Cabinet With Non-Skid Cover, Add		
		1,415.00	
22 13 19 26-0005	EA 15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	2,247.38	223.95
	Note: Josam 60104H.		
	For Flange And Clamp Device, Add		
		409.46	
	For Steel Enclosure Cabinet With Non-Skid Cover, Add		
		1,545.87	
22 13 19 26-0006	EA 20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	2,713.73	246.35
	Note: Josam 60105H.		
	For Flange And Clamp Device, Add		
		424.40	
	For Steel Enclosure Cabinet With Non-Skid Cover, Add		
		1,671.31	
22 13 19 26-0007	EA 25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	3,038.08	268.75
	Note: Josam 60106H.		
	For Flange And Clamp Device, Add		
		469.72	
	For Steel Enclosure Cabinet With Non-Skid Cover, Add		
		1,742.02	
22 13 19 26-0008	EA 35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	3,730.36	313.53
	Note: Josam 60107H.		
	For Flange And Clamp Device, Add		
		510.78	
	For Steel Enclosure Cabinet With Non-Skid Cover, Add		
		1,919.29	
22 13 19 26-0009	EA 50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	4,864.39	358.32
	Note: Josam 60108H.		
	For Flange And Clamp Device, Add		
		581.60	
	For Steel Enclosure Cabinet With Non-Skid Cover, Add		
		2,049.52	
22 13 19 26-0010	EA 75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	9,552.65	403.11
	Note: Josam 60109H.		
	For Flange And Clamp Device, Add		
		812.74	
22 13 19 26-0011	EA 100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	10,807.56	499.12
	Note: Josam 60110H.		
	For Flange And Clamp Device, Add		
		940.75	
22 13 19 26-0012	EA 150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	13,339.70	798.60
	Note: Josam 60213A.		
	For Flange And Clamp Device, Add		
		1,300.40	
22 13 19 26-0013	EA 200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	19,138.20	998.24
	Note: Josam 60214A.		
	For Flange And Clamp Device, Add		
		1,562.78	
22 13 19 26-0014	EA 250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	22,326.08	1,197.90
	Note: Josam 60215A.		
	For Flange And Clamp Device, Add		
		2,008.84	
22 13 19 26-0015	EA 350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	29,005.06	1,397.54
	Note: Josam 60216A.		
	For Flange And Clamp Device, Add		
		2,379.70	
22 13 19 26-0016	EA 500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	37,519.38	1,597.20
	Note: Josam 60217A.		
	For Flange And Clamp Device, Add		
		2,786.08	
22 13 19 26-0017	Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)		
	Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA 20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	3,903.74	246.35
	Note: Josam 60115A.		
22 13 19 26-0019	EA 35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	5,021.79	313.53
	Note: Josam 60117A.		
22 13 19 26-0020	EA 50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor.....	8,278.13	358.32
	Note: Smith 8150.		
22 13 19 26-0021	Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)		
	Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022	Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021)		
	Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA 7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor.....	3,429.50	89.59
	Note: Josam 60102-SA.		
	For Steel Enclosure Cabinet With Non-Skid Cover, Add		
		1,337.56	
22 13 19 26-0024	EA 10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor.....	4,032.58	201.56
	Note: Josam 60103-SA.		
	For Steel Enclosure Cabinet With Non-Skid Cover, Add		
		1,415.00	
22 13 19 26-0025	EA 15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor.....	4,308.85	223.95
	Note: Josam 60104-SA.		
	For Steel Enclosure Cabinet With Non-Skid Cover, Add		
		1,545.87	
22 13 19 26-0026	EA 20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor.....	5,257.51	246.35
	Note: Josam 60105-SA.		
	For Steel Enclosure Cabinet With Non-Skid Cover, Add		
		1,671.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0027	EA		25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA. For Steel Enclosure Cabinet With Non-Skid Cover, Add	6,336.88 1,742.02	268.75
22 13 19 26-0028	EA		35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA. For Steel Enclosure Cabinet With Non-Skid Cover, Add	6,553.61 1,919.29	313.53
22 13 19 26-0029	EA		50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA. For Steel Enclosure Cabinet With Non-Skid Cover, Add	7,481.04 2,049.52	358.32
22 13 19 26-0030			Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0021) Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA		35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A-SA.	8,801.40	313.53
22 13 19 26-0032			Automatic Cleaning Stainless Steel Grease Interceptor (22 13 19 26)		
22 13 19 26-0033	EA		20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	7,506.11	246.35
22 13 19 26-0034	EA		25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	8,728.17	268.75
22 13 19 26-0035	EA		35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,483.08	313.53
22 13 19 26-0036			Precast Concrete Grease Interceptor (22 13 19 26) Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA		1,000 Gallon Pre-Cast Grease Interceptor	5,664.60	448.12
22 13 19 26-0038	EA		1,250 Gallon Pre-Cast Grease Interceptor	6,475.92	448.12
22 13 19 26-0039	EA		1,500 Gallon Pre-Cast Grease Interceptor	7,350.33	512.31
22 13 19 26-0040	EA		2,000 Gallon Pre-Cast Grease Interceptor	8,375.67	723.50
22 13 19 26-0041	EA		2,500 Gallon Pre-Cast Grease Interceptor	9,443.07	973.42
22 13 19 26-0042	EA		4,000 Gallon Pre-Cast Grease Interceptor	14,149.32	1,280.70
22 13 19 26-0043	EA		5,000 Gallon Pre-Cast Grease Interceptor	18,201.67	2,100.15
22 13 19 26-0044			Coated Steel Manual Oil Interceptor (22 13 19 26) Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA		10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	6,281.05	341.16
22 13 19 26-0046	EA		15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	8,492.27	405.38
22 13 19 26-0047	EA		20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	10,279.68	498.77
22 13 19 26-0048	EA		25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	11,163.92	540.28
22 13 19 26-0049	EA		35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	13,436.42	589.57
22 13 19 26-0050	EA		50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	17,785.23	648.59
22 13 19 26-0051	EA		75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	30,049.04	746.51
22 13 19 26-0052	EA		100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	32,795.64	918.50
22 13 19 26-0053	EA		150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	40,340.50	995.54
22 13 19 26-0054	EA		200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	56,571.14	1,194.40
22 13 19 26-0055	EA		250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	65,312.25	1,283.99
22 13 19 26-0056	EA		350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	82,341.97	1,531.24
22 13 19 26-0057	EA		400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	99,763.77	1,254.73
22 13 19 26-0058	EA		500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	118,177.40	1,493.02
22 13 19 33			Backwater Valves (22 13 19)		
22 13 19 33-0001			Cast Iron Body Terminal Backwater Valves (22 13 19 33)		
22 13 19 33-0002	EA		2" Cast Iron Body Terminal Backwater Valve	772.47	34.28
22 13 19 33-0003	EA		3" Cast Iron Body Terminal Backwater Valve	785.61	43.12
22 13 19 33-0004	EA		4" Cast Iron Body Terminal Backwater Valve	1,137.16	57.33
22 13 19 33-0005	EA		6" Cast Iron Body Terminal Backwater Valve	3,121.24	78.16
22 13 19 33-0006	EA		8" Cast Iron Body Terminal Backwater Valve	3,810.37	102.87
22 13 19 33-0007	EA		10" Cast Iron Body Terminal Backwater Valve	11,179.08	126.91
22 13 19 33-0008	EA		12" Cast Iron Body Terminal Backwater Valve	12,645.25	164.60
22 13 19 33-0009			Cast Iron Backwater Sewer Line Valve (22 13 19 33) Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA		2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,892.00	81.72
22 13 19 33-0011	EA		3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,909.30	99.14
22 13 19 33-0012	EA		4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,592.99	127.81
22 13 19 33-0013	EA		6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	5,077.15	142.01
22 13 19 33-0014	EA		8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	7,071.72	168.28
22 13 19 33-0015			Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33) Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA		3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,274.93	129.36
22 13 19 33-0017	EA		4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,338.94	171.99
22 13 19 33-0018	EA		5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,797.56	210.33
22 13 19 33-0019	EA		6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,834.12	234.48

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 13 19 33-0020	Polyvinyl Chloride (PVC) Backwater Sewer Line Valve (22 13 19 33)			
	Note: Oatey.			
22 13 19 33-0021	EA	3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	149.67	43.12
22 13 19 33-0022	EA	4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	179.76	57.33
22 13 19 33-0023	EA	6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	517.02	78.16
22 13 19 33-0024	Polyvinyl Chloride (PVC) Extendable Backwater Valves (22 13 19 33)			
22 13 19 33-0025	EA	3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	351.61	86.23
	Note: Includes valve body, flapper assembly and collar.			
22 13 19 33-0026	EA	4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	468.20	114.66
	Note: Includes valve body, flapper assembly and collar.			
22 13 19 33-0027	EA	6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check).....	801.59	156.32
	Note: Includes valve body, flapper assembly and collar.			
22 13 19 36	Air-Admittance Valves (22 13 19)			
22 13 19 36-0001	Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC)			
	Automatic Drain Vent (22 13 19 36)			
22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	172.69	16.72
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	204.89	16.72
22 13 23	Sanitary Waste Interceptors (22 13)			
22 13 23 00-0001	Sediment Bucket Solids Interceptors (22 13 23)			
22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180).....	1,334.89	169.13
	Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.			
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184).....	1,336.55	169.13
	Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.			
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO).....	1,875.42	169.13
	Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.			
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO).....	1,875.42	169.13
	Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.			
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030).....	1,997.41	169.13
	Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.			
22 13 23 00-0007	Drum Trap, Solids Interceptors (22 13 23)			
22 13 23 00-0008	Extra Heavy-Duty Cast Iron Drum Trap (22 13 23 00-0007)			
22 13 23 00-0009	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Extra Heavy Cast Iron.....	1,523.44	167.21
	For Acid Coating Inside Or Outside, Add		725.91	
	For Acid Coating Inside And Outside, Add		873.78	
22 13 23 00-0010	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Extra Heavy Cast Iron.....	1,553.31	191.11
	For Acid Coating Inside Or Outside, Add		725.91	
	For Acid Coating Inside And Outside, Add		873.78	
22 13 23 00-0011	Aluminum, Solid Interceptor, Drum Trap (22 13 23 00-0007)			
22 13 23 00-0012	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Aluminum.....	2,068.70	167.21
22 13 23 00-0013	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Aluminum.....	2,098.57	191.11
22 13 23 00-0014	Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)			
22 13 23 00-0015	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	338.26	57.85
	For Stainless Steel Bucket, Add		175.00	
22 13 23 00-0016	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	345.66	61.62
	For Stainless Steel Bucket, Add		175.00	
22 13 23 00-0017	Sediment Strainers (22 13 23)			
22 13 23 00-0018	EA	2" Strainer, Pump Suction Side.....	206.10	78.88
22 13 29	Sanitary Sewerage Pumps (22 13)			
	Note: Includes extra set of gaskets, bearings and seals.			
22 13 29 13	Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)			

		Plumbing	22	22
		Plumbing Piping	22 10	
		Facility Sanitary Sewerage	22 13	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

22 13 29 13-0001	Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deeming Series 4500) (22 13 29 13) Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.			
22 13 29 13-0002	1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)			
22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,025.42	1,432.81
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,342.57	1,432.81
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,659.72	1,432.81
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,962.23	1,432.81
22 13 29 13-0007	2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)			
22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	8,903.68	1,432.81
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,025.66	1,432.81
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,111.05	1,432.81
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	9,696.55	1,432.81
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	10,269.86	1,432.81
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	11,148.11	1,432.81
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	12,026.37	1,432.81
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM	13,852.52	1,906.75
22 13 29 13-0016	3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)			
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,514.88	1,432.81
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,514.88	1,432.81
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	9,726.21	1,432.81
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	11,366.01	1,432.81
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	11,653.66	1,432.81
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	13,953.71	1,906.75
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM	14,685.59	1,906.75
22 13 29 13-0024	Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)			
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84	
22 13 29 13-0030	Float Switches (22 13 29 13-0001)			
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034	Square Or Round Steel Sump Covers (22 13 29 13-0001)			
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round.....	857.23	47.77
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round.....	949.03	53.75
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round.....	1,316.86	71.67
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round.....	1,910.73	83.61
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round.....	2,048.39	86.60
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round.....	2,190.28	89.59
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round.....	2,790.01	107.49
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round.....	3,779.03	119.44
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round.....	4,792.29	149.31
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round.....	6,091.51	164.23
22 13 29 13-0045	Sludge Pumps (22 13 29 13)			
22 13 29 13-0046	Vortex Type Sludge Pumps (22 13 29 13-0045)			
22 13 29 13-0047	EA	15HP Vortex Type Sludge Pump, 4" Flange Connections (Wemco C).....	47,809.78	1,771.96
		For Explosion Proof Motor, Add	375.00	
22 13 29 13-0048	EA	30HP Vortex Type Sludge Pump, 6" Flange Connections (Wemco C).....	67,036.28	2,278.23
		For Explosion Proof Motor, Add	750.00	
22 13 29 13-0049	EA	75HP Vortex Type Sludge Pump, 8" Flange Connections (Wemco C).....	86,182.57	3,480.63
		For Explosion Proof Motor, Add	1,125.00	
22 13 29 13-0050	EA	20 HP Vortex Type Sludge Pump, 8" Intake And 6" Discharge Flange Connections (Wemco E).....	36,439.60	2,025.10
		For Explosion Proof Motor, Add	500.00	
22 13 29 13-0051	EA	50HP Vortex Type Sludge Pump, 6" Intake And 11" Discharge Flange Connections (Wemco E).....	58,128.03	2,784.50
		For Explosion Proof Motor, Add	1,250.00	
22 13 29 13-0052	Polymer Feed Sludge Pumps (22 13 29 13-0045)			
		Note: 230/460 volt		
22 13 29 13-0053	EA	115 GPM/100 RPM At 0 PSI, Polymer Feed Sludge Pump, 25 HP, 400 RPM Motor, 8" Flange connections (Moyno 1H115G1CDQAAA).....	38,580.06	2,076.82
		Note: Single stage, cast iron casing, alloy steel rotor, and nitrile stator.		
		For 75 HP Motor, Add	17,750.00	

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
22 13 29 13-0054	EA	22 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 5 HP, 500 RPM Motor, 6" Flange Connections (Moyno 1E022G1SSFCAA).....	28,365.86	716.05	
Note: Single stage, 316 stainless steel casing and rotor, and fluoro-elastomer stator.					
For 7-1/2 HP Motor, Add				2,676.00	
22 13 29 13-0055	EA	12 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 2E012G1SSFCAA).....	26,290.37	716.05	
Note: Two stage, 316 stainless steel casing and rotor, and fluoro-elastomer stator.					
22 13 29 13-0056	EA	8 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 1E008G1CSFDA).....	16,984.43	716.05	
Note: Single stage, cast iron body, 316 stainless steel rotor, and fluoro-elastomer stator.					
For 7-1/2 HP Motor, Add				2,676.00	
22 13 29 13-0057 Centrifuge Pilot Pumps (22 13 29 13-0045)					
22 13 29 13-0058	EA	Centrifuge Pilot Pump, 325 GPM/100 RPM At 0 PSI, Two Stage, 10" Flange Connections (Moyno 2K345G1CDQAAA).....	88,784.49	2,088.38	
Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.					
For 75 HP Motor, Add				15,864.00	
22 13 29 13-0059	EA	620 GPM/100 RPM At 0 PSI Centrifuge Pilot Pump, Single Stage, 10" Flange Connections (Moyno 1K620G1CDQAAA).....	93,755.33	2,088.38	
Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.					
For 75 HP Motor, Add				15,864.00	
22 13 29 16 Submersible Sewerage Pumps (22 13 29)					
22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)					
22 13 29 16-0002 Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)					
Note: Includes 25' cord.					
22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,601.11	86.91	
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,706.92	86.91	
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,674.36	86.91	
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,830.37	86.91	
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,830.37	86.91	
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,935.94	108.64	
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,074.31	108.64	
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,091.95	108.64	
22 13 29 16-0011 Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)					
Note: Includes 20' cord.					
22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,630.95	86.91	
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,782.89	86.91	
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,710.99	86.91	
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,857.50	86.91	
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,989.09	86.91	
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,851.83	108.64	
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,009.20	108.64	
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,007.84	108.64	
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,300.10	175.12	
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,433.04	175.12	
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,456.10	175.12	
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,461.01	214.04	
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,612.95	214.04	
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,617.02	214.04	
22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)					
Note: Includes 20' cord.					
22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	1,934.83	86.91	
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,192.59	86.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0029	EA		1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller.....	2,140.79	108.64
22 13 29 16-0030	EA		1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller.....	2,296.80	108.64
22 13 29 16-0031	EA		1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,610.76	175.12
22 13 29 16-0032	EA		1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,766.77	175.12
22 13 29 16-0033	EA		2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,773.03	214.04
22 13 29 16-0034	EA		2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller.....	2,929.03	214.04
22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16)					
Note: Includes 25' of cord with pump.					
22 13 29 16-0036	EA		1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	4,878.74	108.64
22 13 29 16-0037	EA		1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,197.26	175.23
22 13 29 16-0038	EA		2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,561.53	214.17
22 13 29 16-0039	EA		3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	5,812.39	259.61
22 13 29 16-0040	EA		5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	6,520.74	305.04
22 13 29 16-0041	EA		7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller.....	7,282.60	350.47
22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof (22 13 29 16)					
Note: Includes 25' of cord with pump.					
22 13 29 16-0043	EA		1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,694.92	389.30
22 13 29 16-0044	EA		1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,098.26	389.30
22 13 29 16-0045	EA		1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,098.26	389.30
22 13 29 16-0046	EA		1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,068.81	519.06
22 13 29 16-0047	EA		1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,472.15	519.06
22 13 29 16-0048	EA		1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,472.15	519.06
22 13 29 16-0049	EA		2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,565.76	648.82
22 13 29 16-0050	EA		2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,969.10	648.82
22 13 29 16-0051	EA		2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	7,969.10	648.82
22 13 29 16-0052	EA		3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,947.11	778.59
22 13 29 16-0053	EA		3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,350.45	778.59
22 13 29 16-0054	EA		3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,350.45	778.59
22 13 29 16-0055	EA		5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,884.10	908.36
22 13 29 16-0056	EA		5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,287.44	908.36
22 13 29 16-0057	EA		5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,287.44	908.36
22 13 29 16-0058	EA		7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	10,238.11	1,038.12
22 13 29 16-0059	EA		7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	10,238.11	1,038.12
22 13 29 16-0060 Submersible Sewage Pump Accessories (22 13 29 16)					
22 13 29 16-0061	EA		Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	781.63	97.24
Note: Includes alarm horn, warning light and alarm float switch.					
22 13 29 16-0062	EA		Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	807.55	97.24
Note: Includes alarm horn, warning light, and alarm float switch.					
22 13 29 16-0063	EA		Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	1,596.93	129.66
Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.					
22 13 29 16-0064	EA		Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump.....	2,260.56	129.66
Note: Includes alarm horn and warning light. Control float switches not included.					
22 13 29 16-0065	EA		Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	4,820.90	129.66
Note: Includes alarm horn and warning light. Control float switches not included.					
22 13 29 16-0066	EA		Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors.....	5,043.82	129.66
Note: Includes alarm horn and warning light. Control float switches not included.					

22 Plumbing
22 10 Plumbing Piping
22 13 Facility Sanitary Sewerage

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	8,061.55	162.07
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	6,793.39	162.07
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,769.34	162.07
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,950.79	162.07
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,871.73	162.07
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	2,035.26	162.07
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn and warning light. Float switches not included.	3,495.93	162.07
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure Note: Includes alarm horn, warning light and 15' tethered float.	649.42	64.82
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord Note: Not for use with Intrinsically Safe Control Systems.	121.85	32.42
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only	139.80	32.42
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord Note: Not for use with Intrinsically Safe Control Systems.	156.69	32.42
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	156.81	32.42
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats Note: Not for use with Intrinsically Safe Control Systems.	473.39	32.42
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	498.51	32.42
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	527.33	32.42
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	567.69	32.42
22 13 29 16-0083	EA	Float Switch Tree Note: Tree only.	251.11	32.42
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	66.59	16.20
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	1,332.22	97.24
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	2,090.49	129.66
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	2,731.09	162.07
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Sparking, For 3" Horizontal Discharge	2,759.52	97.24
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Sparking, For 4" Horizontal Discharge	3,898.72	97.24
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	380.47	64.82
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	673.13	81.04
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	673.18	97.24
22 13 29 16-0093	EA	12" Stainless Steel Lifting Cable.....	187.53	32.42
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge..... Note: Used for shallow systems where guide rails are not necessary.	373.62	32.42

22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)

22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)

22 13 29 33-0002 High-Density Polyethylene (HDPE) Basin (22 13 29 33-0001)

22 13 29 33-0003	EA	18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	165.35	
22 13 29 33-0004	EA	18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	214.43	
22 13 29 33-0005	EA	24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	491.96	
22 13 29 33-0006	EA	24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	691.91	
22 13 29 33-0007	EA	30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	891.85	
22 13 29 33-0008	EA	36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	1,037.92	

22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)

22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	402.38	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	818.21	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	1,469.33	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,977.86	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,279.02	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,406.97	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,827.67	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	3,283.63	

22 14 Facility Storm Drainage (22 10)

22 14 13 Facility Storm Drainage Piping (22 14)
See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains (22 14)

22 14 26 13 Roof Drains (22 14 26)

22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)

			Plumbing	22	22
			Plumbing Piping	22 10	
			Facility Storm Drainage	22 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)					
Note: Dome free area is 124 square inches.					
22 14 26 13-0003	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,037.01	199.11
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Bronze Dome, Add	448.80	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0004	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,136.55	238.88
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Bronze Dome, Add	448.80	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0005	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,236.08	298.60
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Bronze Dome, Add	448.80	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0006	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,659.82	358.32
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Bronze Dome, Add	448.80	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0007	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,709.58	398.10
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Bronze Dome, Add	448.80	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0008	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,021.72	418.04
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Bronze Dome, Add	448.80	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0009	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,736.54	432.97
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Bronze Dome, Add	448.80	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint (22 14 26 13-0001)					
Note: With polypropylene dome. Dome free area is 124 square inches.					
22 14 26 13-0011	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,606.21	199.11
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0012	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,745.51	238.88
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0013	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,922.47	298.60
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0014	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,658.01	358.32
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0015	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,852.16	398.10
			For Galvanized Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top (22 14 26 13-0001)					
22 14 26 13-0017	EA		14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	2,222.55	199.11
			For Galvanized Iron Parts, Add	480.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0018	EA		14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	2,322.09	238.88
			For Galvanized Iron Parts, Add	480.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	

22 Plumbing
22 10 Plumbing Piping
22 14 Facility Storm Drainage

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 14 26 13-0019	EA 14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	2,421.62		298.60
	For Galvanized Iron Parts, Add	480.00		
	For Deck Clamp Assembly, Add	130.00		
	For Drain Receiver, Add	147.00		
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00		
22 14 26 13-0020	EA 14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,827.80		358.32
	For Galvanized Iron Parts, Add	480.00		
	For Deck Clamp Assembly, Add	130.00		
	For Drain Receiver, Add	147.00		
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00		
22 14 26 13-0021	EA 14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,877.56		398.10
	For Galvanized Iron Parts, Add	480.00		
	For Deck Clamp Assembly, Add	130.00		
	For Drain Receiver, Add	147.00		
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00		
22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate (22 14 26 13-0001)				
22 14 26 13-0023	EA Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,437.00		79.67
	For Galvanized Cast Iron Parts, Add	128.00		
	For Vandal Proof Grate, Add	33.00		
22 14 26 13-0024	EA Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,476.82		99.49
	For Galvanized Cast Iron Parts, Add	128.00		
	For Vandal Proof Grate, Add	33.00		
22 14 26 13-0025	EA Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,494.92		108.57
	For Galvanized Cast Iron Parts, Add	128.00		
	For Vandal Proof Grate, Add	33.00		
22 14 26 13-0026	EA Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	2,103.45		143.93
	For Galvanized Iron Parts, Add	258.00		
	For Vandal Proof Grate, Add	33.00		
22 14 26 13-0027	EA Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,166.94		175.70
	For Galvanized Iron Parts, Add	258.00		
	For Vandal Proof Grate, Add	33.00		
22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate (22 14 26 13-0001)				
22 14 26 13-0029	EA 9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	1,138.00		199.11
	For Galvanized Cast Iron Parts, Add	144.00		
	For Deck Clamp Assembly, Add	80.40		
	For 4" Fixed Extension Collar, Cast Iron, Add	93.60		
22 14 26 13-0030	EA 9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,237.54		238.88
	For Galvanized Cast Iron Parts, Add	144.00		
	For Deck Clamp Assembly, Add	80.40		
	For 4" Fixed Extension Collar, Cast Iron, Add	93.60		
22 14 26 13-0031	EA 9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,337.07		298.60
	For Galvanized Cast Iron Parts, Add	144.00		
	For Deck Clamp Assembly, Add	80.40		
	For 4" Fixed Extension Collar, Cast Iron, Add	93.60		
22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome (22 14 26 13-0001)				
22 14 26 13-0033	EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,225.81		199.11
	For Galvanized Iron Parts, Add	518.00		
	For Deck Clamp Assembly, Add	130.00		
	For Drain Receiver, Add	147.00		
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00		
22 14 26 13-0034	EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,325.35		238.88
	For Galvanized Iron Parts, Add	518.00		
	For Deck Clamp Assembly, Add	130.00		
	For Drain Receiver, Add	147.00		
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00		
22 14 26 13-0035	EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,424.88		298.60
	For Galvanized Iron Parts, Add	518.00		
	For Deck Clamp Assembly, Add	130.00		
	For Drain Receiver, Add	147.00		
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00		
22 14 26 13-0036	EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,848.63		358.32
	For Galvanized Iron Parts, Add	518.00		
	For Deck Clamp Assembly, Add	130.00		
	For Drain Receiver, Add	147.00		
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00		
22 14 26 13-0037	EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,898.39		398.10
	For Galvanized Iron Parts, Add	518.00		
	For Deck Clamp Assembly, Add	130.00		
	For Drain Receiver, Add	147.00		
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00		
22 14 26 13-0038	EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,210.53		418.04
	For Galvanized Iron Parts, Add	518.00		
	For Deck Clamp Assembly, Add	130.00		
	For Drain Receiver, Add	147.00		
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00		
22 14 26 13-0039	EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,925.35		432.97
	For Galvanized Iron Parts, Add	518.00		
	For Deck Clamp Assembly, Add	130.00		
	For Drain Receiver, Add	147.00		
	For 4" Fixed Extension Collar, Cast Iron, Add	357.00		
22 14 26 13-0040 Aluminum Roof Drains (22 14 26 13)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0041 Aluminum Dome Roof Drains (22 14 26 13-0040)					
22 14 26 13-0042	EA		15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....	1,258.75	199.11
			For Galvanized Cast Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0043	EA		15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....	1,358.29	238.88
			For Galvanized Cast Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0044	EA		15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....	1,457.82	298.60
			For Galvanized Cast Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0045	EA		15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....	1,931.32	397.74
			For Galvanized Cast Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0046	EA		15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....	2,243.71	418.04
			For Galvanized Cast Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0047	EA		15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,958.28	432.97
			For Galvanized Cast Iron Parts, Add	518.00	
			For Deck Clamp Assembly, Add	130.00	
			For Drain Receiver, Add	147.00	
			For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0048 Retrofit Roof Drains (22 14 26 13)					
22 14 26 13-0049 Retrofit Copolymer Roof Drains With Copolymer Strainer Dome (22 14 26 13-0048)					
22 14 26 13-0050	EA		Copolymer Retrofit 3" Roof Drains, With Copolymer Dome.....	900.63	238.88
22 14 26 13-0051	EA		Copolymer Retrofit 4" Roof Drains, With Copolymer Dome.....	1,015.66	298.60
22 14 26 13-0052	EA		Copolymer Retrofit 5" Roof Drains, With Copolymer Dome.....	1,226.96	358.32
22 14 26 13-0053	EA		Copolymer Retrofit 6" Roof Drains, With Copolymer Dome.....	1,338.72	397.74
22 14 26 13-0054 Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)					
22 14 26 13-0055	EA		Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	1,040.12	238.88
22 14 26 13-0056	EA		Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,148.95	298.60
22 14 26 13-0057	EA		Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,369.55	358.32
22 14 26 13-0058	EA		Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,437.91	397.74
22 14 26 13-0059 Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome (22 14 26 13-0048)					
22 14 26 13-0060	EA		Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	906.83	238.88
			For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0061	EA		Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	1,021.86	298.60
			For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0062	EA		Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,233.16	358.32
			For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0063	EA		Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,295.32	397.74
			For Copolymer Strainer Dome, Deduct	-24.00	
22 14 26 13-0064 Bronze Downspout Nozzles (22 14 26 13)					
22 14 26 13-0065	EA		2" Outlet, Bronze Roof Drain Downspout Nozzle.....	542.10	119.44
22 14 26 13-0066	EA		3" Outlet, Bronze Roof Drain Downspout Nozzle.....	542.10	119.44
22 14 26 13-0067	EA		4" Outlet, Bronze Roof Drain Downspout Nozzle.....	542.10	119.44
22 14 26 13-0068	EA		5" Outlet, Bronze Roof Drain Downspout Nozzle.....	844.53	149.31
22 14 26 13-0069	EA		6" Outlet, Bronze Roof Drain Downspout Nozzle.....	844.53	149.31
22 14 26 13-0070	EA		8" Outlet, Bronze Roof Drain Downspout Nozzle.....	1,098.70	149.31
22 14 26 16 Facility Area Drains (22 14 26)					
22 14 26 16-0001 Area Drain (22 14 26 16)					
22 14 26 16-0002	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,230.69	143.81
			For Ductile Iron Grate, Add	123.50	
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0003	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,261.70	159.33
			For Ductile Iron Grate, Add	123.50	
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	152.25	

22 Plumbing
22 10 Plumbing Piping
22 14 Facility Storm Drainage

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,294.32	175.70
		For Ductile Iron Grate, Add	123.50	
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,328.32	192.66
		For Ductile Iron Grate, Add	123.50	
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,982.05	143.81
		For Ductile Iron Grate, Add	123.50	
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,013.06	159.33
		For Ductile Iron Grate, Add	123.50	
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,045.68	175.70
		For Ductile Iron Grate, Add	123.50	
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,079.68	192.66
		For Ductile Iron Grate, Add	123.50	
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,014.74	143.81
		For Ductile Iron Grate, Add	123.50	
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,045.75	159.33
		For Ductile Iron Grate, Add	123.50	
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,078.37	175.70
		For Ductile Iron Grate, Add	123.50	
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,112.37	192.66
		For Ductile Iron Grate, Add	123.50	
		For Vandal Proof Screws, Add	29.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	152.25	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,530.86	143.81
		For Ductile Iron Grate, Add	123.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,561.87	159.33
		For Ductile Iron Grate, Add	123.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,594.49	175.70
		For Ductile Iron Grate, Add	123.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,628.49	192.66
		For Ductile Iron Grate, Add	123.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,180.86	143.81
		For Ductile Iron Grate, Add	123.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,211.87	159.33
		For Ductile Iron Grate, Add	123.50	
		For Primer Tap, Add	36.00	
		For Galvanized Cast Iron Parts, Add	258.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0020	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,244.49	175.70
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0021	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,278.49	192.66
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0022	EA		16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,190.33	143.81
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0023	EA		16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,221.34	159.33
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0024	EA		16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,253.96	175.70
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,287.96	192.66
			For Ductile Iron Grate, Add	123.50	
			For Primer Tap, Add	36.00	
			For Galvanized Cast Iron Parts, Add	258.50	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,431.10	143.81
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,462.11	159.33
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,494.73	175.70
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	860.77	143.81
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0030	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	891.78	159.33
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0031	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	924.40	175.70
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0032	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,348.04	143.81
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0033	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,379.05	159.33
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0034	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	1,411.67	175.70
			For Vandal Proof Grate, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
22 14 26 16-0035	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,346.44	143.81
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0036	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,377.45	159.33
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0037	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	4,410.07	175.70
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0038	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,820.94	143.81
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0039	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,851.95	159.33
			For Vandal Proof Screws, Add	30.50	
			For Ductile Iron Grate, Add	126.00	
			For Galvanized Cast Iron Parts, Add	307.50	

22 Plumbing
22 10 Plumbing Piping
22 14 Facility Storm Drainage

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,884.57	175.70
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,080.65	143.81
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,111.66	159.33
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,144.28	175.70
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	126.00	
		For Galvanized Cast Iron Parts, Add	307.50	

22 14 26 19 Facility Trench Drains (22 14 26)

22 14 26 19-0001 Trench Drain (22 14 26 19)

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,177.35	143.81
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,208.36	159.33
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,240.98	175.70
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	717.87	143.81
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	748.88	159.33
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	781.50	175.70
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,114.74	143.81
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,145.75	159.33
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,178.37	175.70
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,032.92	71.67
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	573.44	71.67
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	970.31	71.67
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	66.00	
		For Galvanized Cast Iron Parts, Add	98.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0014	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,865.06	143.81
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0015	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,896.07	159.33
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0016	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,928.69	175.70
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0017	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,296.51	143.81
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0018	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,327.52	159.33
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0019	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,360.14	175.70
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0020	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,787.30	143.81
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0021	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,818.31	159.33
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0022	EA		12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,850.93	175.70
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0023	EA		12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,562.10	143.81
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0024	EA		12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,593.11	159.33
			For Vandal Proof Screws, Add	48.50	
			For Ductile Iron Grate, Add	181.50	
			For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
			For Sediment Bucket, Add	116.00	
			For Galvanized Sediment Bucket, Add	188.50	
			For Galvanized Cast Iron Parts, Add	131.50	

22 Plumbing
22 10 Plumbing Piping
22 14 Facility Storm Drainage

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,625.73	175.70
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	181.50	
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
		For Sediment Bucket, Add	116.00	
		For Galvanized Sediment Bucket, Add	188.50	
		For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,720.61	71.67
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	181.50	
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,152.06	71.67
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	181.50	
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots.....	1,642.85	71.67
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	181.50	
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,417.65	71.67
		For Vandal Proof Screws, Add	48.50	
		For Ductile Iron Grate, Add	181.50	
		For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	

22 14 29 Sump Pumps (22 14)

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)

22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	6,720.61	346.55
		For Explosion Proof Motor, Add	326.86	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	7,102.66	419.44
		For Explosion Proof Motor, Add	363.37	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	8,113.12	498.31
		For Explosion Proof Motor, Add	469.42	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	8,650.58	613.03
		For Explosion Proof Motor, Add	532.01	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	9,134.09	664.41
		For Explosion Proof Motor, Add	777.15	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	10,831.06	797.05
		For Explosion Proof Motor, Add	881.47	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	12,677.35	825.49
		For Explosion Proof Motor, Add	1,444.78	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	15,272.04	993.94
		For Explosion Proof Motor, Add	1,917.68	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	16,479.06	1,159.19
		For Explosion Proof Motor, Add	2,486.20	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	22,147.13	1,391.52
		For Explosion Proof Motor, Add	3,239.01	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	30,739.88	1,545.59
		For Explosion Proof Motor, Add	5,134.09	

22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,058.66	
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,158.42	
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,267.58	
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,521.99	
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,701.17	
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,732.14	
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,944.51	
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	2,127.75	

22 14 29 13-0022 Support Plate (22 14 29 13)

22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square.....	857.23	47.77
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square.....	949.03	53.75
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square.....	1,316.86	71.67
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square.....	1,910.73	83.61
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square.....	2,048.39	86.60
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square.....	2,190.16	89.59
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square.....	2,790.01	107.49
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square.....	3,779.03	119.44
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square.....	5,045.45	149.31
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square.....	6,091.51	164.23

22 14 29 16 Submersible Sump Pumps (22 14 29)

22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller (22 14 29 16)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0002		Submersible Sump Pump With Cast Iron Vortex Impeller (22 14 29 16-0001)		
22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	547.95	77.84
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	607.07	77.84
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	953.98	82.37
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,047.53	82.37
22 14 29 16-0007		Submersible Sump Pump With Bronze Vortex Impeller (22 14 29 16-0001)		
		Note: Includes 20' of cord with pump.		
22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,606.27	82.37
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,747.25	82.37
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,835.56	90.80
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,986.29	90.80
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,044.69	103.77
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,192.82	103.77
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,196.63	123.23
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,325.27	123.23
22 14 29 16-0016		Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)		
		Note: Includes 20' of cord with pump.		
22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,207.78	77.84
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,246.30	77.84
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,551.76	82.37
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,578.82	82.37
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,890.52	86.91
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,890.52	86.91
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,999.26	90.80
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,999.26	90.80
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,281.74	103.77
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,281.74	103.77
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,654.23	123.23
22 14 29 16-0028	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,607.39	123.23
22 14 29 19		Sump-Pump Basins and Pits (22 14 29)		
		See CSI section 22 13 29 33-0000 for basins and pits.		
22 15		General Service Compressed-Air Systems (22 10)		
22 15 13		General Service Compressed-Air Piping (22 15)		
		See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.		
22 15 13 00-0001		Aluminum Pipe And Fittings For Compressed Air (22 15 13)		
22 15 13 00-0002		Aluminum (6063) Pipe (FastPipe) (22 15 13 00-0001)		
		Note: For compressed air system		
22 15 13 00-0003	LF	3/4" Blue Rigid Aluminum Pipe	8.88	2.60
		Note: For compressed air system		
22 15 13 00-0004	LF	1" Blue Rigid Aluminum Pipe	10.84	2.86
		Note: For compressed air system		
22 15 13 00-0005	LF	1-1/2" Blue Rigid Aluminum Pipe	14.52	3.63
		Note: For compressed air system		
22 15 13 00-0006	LF	2" Blue Rigid Aluminum Pipe	17.52	4.16
		Note: For compressed air system		
22 15 13 00-0007	LF	3" Blue Rigid Aluminum Pipe	28.60	5.70
		Note: For compressed air system		
22 15 13 00-0008		Compression Fittings (FastPipe) (22 15 13 00-0001)		
		Note: For compressed air system		
22 15 13 00-0009		Compression Union (22 15 13 00-0008)		
22 15 13 00-0010	EA	3/4" FastPipe Compression Union	24.50	3.63
		Note: For compressed air system		

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
22 15 13 00-0011	EA	1" FastPipe Compression Union Note: For compressed air system	36.83		5.19	
22 15 13 00-0012	EA	1-1/2" FastPipe Compression Union Note: For compressed air system	57.38		7.26	
22 15 13 00-0013	EA	2" FastPipe Compression Union Note: For compressed air system	71.87		9.34	
22 15 13 00-0014	EA	3" FastPipe Compression Union Note: For compressed air system	136.71		14.53	
22 15 13 00-0015		Compression 90 Degree Elbow (22 15 13 00-0008)				
22 15 13 00-0016	EA	3/4" FastPipe Compression 90 Degree Elbow Note: For compressed air system	25.91		3.63	
22 15 13 00-0017	EA	1" FastPipe Compression 90 Degree Elbow Note: For compressed air system	38.30		5.19	
22 15 13 00-0018	EA	1-1/2" FastPipe Compression 90 Degree Elbow Note: For compressed air system	58.94		7.26	
22 15 13 00-0019	EA	2" FastPipe Compression 90 Degree Elbow Note: For compressed air system	80.70		9.34	
22 15 13 00-0020	EA	3" FastPipe Compression 90 Degree Elbow Note: For compressed air system	155.48		14.53	
22 15 13 00-0021		Compression 45 Degree Elbow (22 15 13 00-0008)				
22 15 13 00-0022	EA	1" FastPipe Compression 45 Degree Elbow Note: For compressed air system	38.62		5.19	
22 15 13 00-0023	EA	1-1/2" FastPipe Compression 45 Degree Elbow Note: For compressed air system	65.72		7.26	
22 15 13 00-0024	EA	2" FastPipe Compression 45 Degree Elbow Note: For compressed air system	87.08		9.34	
22 15 13 00-0025		Compression Tee (22 15 13 00-0008)				
22 15 13 00-0026	EA	3/4" FastPipe Compression Tee Note: For compressed air system	34.96		5.44	
22 15 13 00-0027	EA	1" FastPipe Compression Tee Note: For compressed air system	49.52		7.79	
22 15 13 00-0028	EA	1-1/2" FastPipe Compression Tee Note: For compressed air system	91.21		10.90	
22 15 13 00-0029	EA	2" FastPipe Compression Tee Note: For compressed air system	113.63		14.01	
22 15 13 00-0030	EA	3" FastPipe Compression Tee Note: For compressed air system	215.57		21.79	
22 15 13 00-0031		Compression Reducing Tee (22 15 13 00-0008)				
22 15 13 00-0032	EA	1" x 3/4" FastPipe Compression Reducing Tee Note: For compressed air system	47.47		7.00	
22 15 13 00-0033	EA	1-1/2" x 3/4" FastPipe Compression Reducing Tee Note: For compressed air system	81.71		9.08	
22 15 13 00-0034	EA	1-1/2" x 1" FastPipe Compression Reducing Tee Note: For compressed air system	85.28		9.86	
22 15 13 00-0035	EA	2" x 3/4" FastPipe Compression Reducing Tee Note: For compressed air system	103.28		11.16	
22 15 13 00-0036	EA	2" x 1" FastPipe Compression Reducing Tee Note: For compressed air system	106.49		11.93	
22 15 13 00-0037		Compression Reducing Union (22 15 13 00-0008)				
22 15 13 00-0038	EA	1" x 3/4" FastPipe Compression Reducing Union Note: For compressed air system	35.52		4.41	
22 15 13 00-0039	EA	1-1/2" x 3/4" FastPipe Compression Reducing Union Note: For compressed air system	51.96		5.44	
22 15 13 00-0040	EA	1-1/2" x 1" FastPipe Compression Reducing Union Note: For compressed air system	53.05		6.23	
22 15 13 00-0041	EA	2" x 3/4" FastPipe Compression Reducing Union Note: For compressed air system	65.87		6.49	
22 15 13 00-0042	EA	2" x 1" FastPipe Compression Reducing Union Note: For compressed air system	68.32		7.26	
22 15 13 00-0043	EA	2" x 1-1/2" FastPipe Compression Reducing Union Note: For compressed air system	72.57		8.30	
22 15 13 00-0044		Compression x NPT 90 Degree Reducing Elbow (22 15 13 00-0008)				
22 15 13 00-0045	EA	3/4" x 1/4" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compressed air system	52.43		7.53	
22 15 13 00-0046	EA	3/4" x 1/2" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compressed air system	55.89		8.56	
22 15 13 00-0047	EA	1" x 1/4" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compressed air system	61.66		8.30	
22 15 13 00-0048	EA	1" x 1/2" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compressed air system	63.73		9.34	
22 15 13 00-0049	EA	1" x 3/4" NPT FastPipe Compression 90 Degree Reducing Elbow Note: For compressed air system	66.33		10.37	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0050		Compression x NPT Reducing Tee (22 15 13 00-0008)		
22 15 13 00-0051	EA	3/4" x 1/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	60.72	9.34
22 15 13 00-0052	EA	3/4" x 1/2" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	63.19	10.37
22 15 13 00-0053	EA	1" x 1/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	72.11	10.90
22 15 13 00-0054	EA	1" x 1/2" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	74.35	11.93
22 15 13 00-0055	EA	1" x 3/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	77.17	12.97
22 15 13 00-0056	EA	1-1/2" x 1/2" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	103.12	14.01
22 15 13 00-0057	EA	1-1/2" x 3/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	105.72	15.05
22 15 13 00-0058	EA	2" x 1/2" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	115.22	16.09
22 15 13 00-0059	EA	2" x 3/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	117.81	17.12
22 15 13 00-0060		Compression Inline Valve (22 15 13 00-0008)		
22 15 13 00-0061	EA	3/4" FastPipe Compression Inline Valve..... Note: For compressed air system	77.89	3.63
22 15 13 00-0062	EA	1" FastPipe Compression Inline Valve..... Note: For compressed air system	100.08	5.19
22 15 13 00-0063	EA	1-1/2" FastPipe Compression Inline Valve..... Note: For compressed air system	206.86	7.26
22 15 13 00-0064	EA	2" FastPipe Compression Inline Valve..... Note: For compressed air system	298.84	9.34
22 15 13 00-0065	EA	3" FastPipe Compression Inline Valve..... Note: For compressed air system	482.12	14.53
22 15 13 00-0066		Compression Single Port Wall Outlet (22 15 13 00-0008)		
22 15 13 00-0067	EA	3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet..... Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compressed air system	69.37	8.56
22 15 13 00-0068	EA	1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet..... Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compressed air system	71.87	9.34
22 15 13 00-0069		NPT Push To Connect Coupler (22 15 13 00-0008)		
22 15 13 00-0070	EA	1/2" Male NPT Push To Connect Coupler Note: For compressed air system	27.86	6.74
22 15 13 00-0071		Quick Disconnect, Air-Service (22 15 13)		
22 15 13 00-0072		Combination Steel And Brass (22 15 13 00-0071)		
22 15 13 00-0073	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	61.62	18.16
22 15 13 00-0074	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	68.64	22.05
22 15 13 00-0075		Refrigerated Air Dryers With Ambient Air Filters (22 15 13) Note: 120 Voltage, 1 Phase		
22 15 13 00-0076	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	877.78	103.47
22 15 13 00-0077	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,005.08	106.35
22 15 13 00-0078	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,185.81	109.22
22 15 13 00-0079	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,335.62	114.97
22 15 13 00-0080	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,742.06	129.34
22 15 13 00-0081	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,969.61	147.16
22 15 13 00-0082	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,209.39	166.71
22 15 13 00-0083	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,597.89	186.83
22 15 13 00-0084	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,011.26	218.45
22 15 13 00-0085	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,394.76	233.39
22 15 13 00-0086	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,991.05	258.68
22 15 13 00-0087	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,592.16	287.42
		For 230 Voltage, Add	1,205.19	
22 15 13 00-0088	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,962.92	316.18
		For 230 Voltage, Add	1,299.17	
22 15 13 00-0089	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,343.69	350.66
		For 230 Voltage, Add	1,393.16	
22 15 13 00-0090	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,778.15	373.66
		For 230 Voltage, Add	1,509.25	
22 15 13 00-0091	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,110.96	388.03
		For 230 Voltage, Add	1,600.47	
22 15 13 00-0092	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	10,617.70	402.40
		For 230 Voltage, Add	2,943.87	
22 15 13 00-0093	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	11,411.21	416.77
		For 230 Voltage, Add	3,173.30	
22 15 13 00-0094	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	12,182.61	431.14
		For 230 Voltage, Add	3,396.10	
22 15 13 00-0095	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	14,479.09	459.89
		For 230 Voltage, Add	4,067.80	

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
22 15 13 00-0096	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	16,417.31	574.86	
		For 230 Voltage, Add	4,580.28		
22 15 13 00-0097	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	23,364.25	689.83	
		For 230 Voltage, Add	6,595.38		
22 15 13 00-0098	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	31,739.38	804.79	
		For 230 Voltage, Add	9,038.93		
22 15 13 00-0099	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	35,535.14	919.77	
		For 230 Voltage, Add	10,108.68		
22 15 13 00-0100		Oil And Water Separator For Air Compressor (22 15 13)			
22 15 13 00-0101	EA	0-60 SCFM Oil/Water Separator	790.58	41.53	
22 15 13 00-0102	EA	85 SCFM Oil/Water Separator	1,059.26	48.66	
22 15 13 00-0103	EA	190 SCFM Oil/Water Separator	1,238.09	55.15	
22 15 13 00-0104	EA	245 SCFM Oil/Water Separator	1,554.25	64.88	
22 15 13 00-0105	EA	320 SCFM Oil/Water Separator	1,847.41	77.86	
22 15 13 00-0106	EA	700 SCFM Oil/Water Separator	3,724.39	162.21	
22 15 13 00-0107		Heavy-Duty Industrial Pressure Regulator (22 15 13)			
22 15 13 00-0108	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	137.16	34.49	
22 15 13 00-0109	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	191.49	45.99	
22 15 13 00-0110	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	326.52	57.48	
22 15 13 00-0111	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	409.80	86.23	
22 15 13 00-0112	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	572.23	100.60	
22 15 13 00-0113	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	600.97	114.97	
22 15 13 00-0114		Combination Air System; Filter Regulator Lubricator (22 15 13)			
22 15 13 00-0115	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	520.21	103.47	
22 15 13 00-0116	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	644.47	137.97	
22 15 13 00-0117		Heatless Desiccant Air Dryers (22 15 13)			
22 15 13 00-0118	EA	5 SCFM Heatless Desiccant Air Dryer	3,049.84	103.47	
22 15 13 00-0119	EA	10 SCFM Heatless Desiccant Air Dryer	3,666.76	114.97	
22 15 13 00-0120	EA	15 SCFM Heatless Desiccant Air Dryer	3,702.66	126.47	
22 15 13 00-0121	EA	20 SCFM Heatless Desiccant Air Dryer	4,229.24	143.71	
22 15 13 00-0122	EA	30 SCFM Heatless Desiccant Air Dryer	5,825.41	172.45	
22 15 13 00-0123	EA	50 SCFM Heatless Desiccant Air Dryer	5,754.25	229.94	
22 15 13 00-0124	EA	85 SCFM Heatless Desiccant Air Dryer	7,728.61	287.42	
22 15 13 00-0125	EA	100 SCFM Heatless Desiccant Air Dryer	8,202.56	344.92	
22 15 13 00-0126	EA	125 SCFM Heatless Desiccant Air Dryer	9,390.76	402.40	
22 15 13 00-0127	EA	175 SCFM Heatless Desiccant Air Dryer	10,783.36	459.89	
22 15 13 00-0128	EA	200 SCFM Heatless Desiccant Air Dryer	11,588.46	517.37	
22 15 13 00-0129	EA	300 SCFM Heatless Desiccant Air Dryer	14,169.09	574.86	
22 15 13 00-0130	EA	400 SCFM Heatless Desiccant Air Dryer	15,740.59	689.83	
22 15 13 00-0131	EA	500 SCFM Heatless Desiccant Air Dryer	18,192.96	804.79	
22 15 13 00-0132	EA	600 SCFM Heatless Desiccant Air Dryer	20,991.76	919.77	
22 15 13 00-0133		Air-Cooled Aftercoolers (22 15 13)			
22 15 13 00-0134	EA	20 SCFM Air-Cooled Aftercooler	770.29	71.86	
22 15 13 00-0135	EA	35 SCFM Air-Cooled Aftercooler	1,040.42	86.23	
22 15 13 00-0136	EA	43 SCFM Air-Cooled Aftercooler	1,142.87	100.60	
22 15 13 00-0137	EA	70 SCFM Air-Cooled Aftercooler	1,396.43	114.97	
22 15 13 00-0138	EA	125 SCFM Air-Cooled Aftercooler	1,944.83	129.34	
22 15 13 00-0139	EA	185 SCFM Air-Cooled Aftercooler	2,183.66	143.71	
22 15 13 00-0140	EA	260 SCFM Air-Cooled Aftercooler	4,226.59	172.45	
22 15 13 00-0141	EA	365 SCFM Air-Cooled Aftercooler	4,418.97	201.20	
22 15 13 00-0142	EA	560 SCFM Air-Cooled Aftercooler	4,609.88	229.94	
22 15 13 00-0143	EA	650 SCFM Air-Cooled Aftercooler	5,405.95	258.68	
22 15 13 00-0144	EA	750 SCFM Air-Cooled Aftercooler	5,910.13	287.42	
22 15 13 00-0145	EA	900 SCFM Air-Cooled Aftercooler	6,776.97	316.18	
22 15 13 00-0146	EA	1,100 SCFM Air-Cooled Aftercooler	8,699.38	344.92	
22 15 13 00-0147	EA	1,460 SCFM Air-Cooled Aftercooler	9,950.25	373.66	
22 15 13 00-0148	EA	1,800 SCFM Air-Cooled Aftercooler	10,274.94	402.40	
22 15 13 00-0149	EA	2,500 SCFM Air-Cooled Aftercooler	11,017.96	431.14	
22 15 13 00-0150		Compressed Air Coalescing Filters (22 15 13)			
22 15 13 00-0151		1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0150)			
22 15 13 00-0152	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	268.63	42.17	
22 15 13 00-0153	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	320.23	42.17	
22 15 13 00-0154	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	349.78	48.66	
22 15 13 00-0155	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	402.76	55.80	
22 15 13 00-0156	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	469.73	61.64	
22 15 13 00-0157	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	532.52	74.61	
22 15 13 00-0158	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	556.11	81.10	
22 15 13 00-0159	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	695.89	97.32	
22 15 13 00-0160	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	893.45	129.77	
22 15 13 00-0161	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	1,021.72	145.98	

22 15 13 00-0162	0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0150)			
22 15 13 00-0163	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating.....	327.61	42.17
22 15 13 00-0164	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	355.30	48.66
22 15 13 00-0165	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating.....	407.92	55.80
22 15 13 00-0166	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating.....	480.05	55.15
22 15 13 00-0167	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	544.32	74.61
22 15 13 00-0168	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating.....	617.38	81.10
22 15 13 00-0169	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating.....	709.16	97.32
22 15 13 00-0170	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	915.57	129.77
22 15 13 00-0171	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	1,051.20	145.98

22 15 13 00-0172	Compressed Air Storage Tanks (22 15 13)			
22 15 13 00-0173	Horizontal Compressed Air Storage Tanks (22 15 13 00-0172)			
22 15 13 00-0174	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME.....	441.94	91.98
22 15 13 00-0175	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME.....	983.98	100.60
22 15 13 00-0176	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,043.25	105.77
22 15 13 00-0177	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,194.23	114.97
22 15 13 00-0178	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,554.56	155.21
22 15 13 00-0179	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,889.44	172.45
22 15 13 00-0180	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME.....	2,883.34	201.20
22 15 13 00-0181	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME.....	4,359.62	229.94
22 15 13 00-0182	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME.....	4,870.77	244.31
22 15 13 00-0183	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME.....	7,122.10	258.68
22 15 13 00-0184	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME.....	9,416.74	301.80
22 15 13 00-0185	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME.....	13,610.04	359.29

22 15 13 00-0186	Vertical Compressed Air Storage Tanks (22 15 13 00-0172)			
22 15 13 00-0187	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME.....	917.81	91.98
22 15 13 00-0188	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME.....	959.52	100.60
22 15 13 00-0189	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,043.25	105.77
22 15 13 00-0190	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,242.67	114.97
22 15 13 00-0191	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,699.86	155.21
22 15 13 00-0192	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,959.41	172.45
22 15 13 00-0193	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME.....	2,731.18	201.20
22 15 13 00-0194	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME.....	4,046.02	229.94
22 15 13 00-0195	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME.....	4,471.04	244.31
22 15 13 00-0196	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME.....	6,143.63	258.68
22 15 13 00-0197	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME.....	7,898.17	301.80
22 15 13 00-0198	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME.....	10,352.92	330.55
22 15 13 00-0199	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME.....	17,357.01	373.66

22 15 19 General Service Packaged Air Compressors and Receivers (22 19)
 Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)

22 15 19 13-0001	Single Stage Compressor (22 15 19 13)				
Note: Includes receiver, reciprocating air-cooled, 140 PSIG working pressure, splash lubricated, tank mounted.					
22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,239.85		407.92
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,385.94		470.81
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,864.25		556.01
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,402.00		613.49
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,382.53		647.98
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	5,750.58		670.97
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,457.88		766.86
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,926.52		812.85
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	8,309.45		920.23

22 15 19 13-0011	Two Stage Compressor (22 15 19 13)			
Note: With receiver, reciprocating air-cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.				
22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure.....	6,193.46	716.96
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure.....	6,650.42	843.54
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure.....	6,952.21	920.23
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure.....	7,941.77	1,226.97
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure.....	8,560.00	1,226.97
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure.....	9,194.87	1,533.72
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure.....	9,755.59	1,533.72
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure.....	12,507.20	1,897.02
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure.....	13,421.46	1,954.51
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure.....	14,498.22	2,284.24
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure.....	21,839.93	2,585.71
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure.....	23,463.34	2,921.76
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure.....	26,152.06	3,229.19
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure.....	28,450.88	3,539.04

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors (22 15 19)

22 Plumbing**22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 15 19 19-0001	Rotary Screw Air Compressor, Base Mounted Without Receiver (22 15 19 19)		
	Note: Oil flooded.		
22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	10,580.49
			1,035.52
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	11,804.06
			1,380.70
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,135.36
			1,731.07
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,504.10
			2,206.01
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	20,027.35
			2,595.30
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	24,304.70
			2,919.72
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	26,635.31
			3,244.13
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	32,039.87
			3,633.42
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	35,221.25
			3,892.95
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	39,540.19
			4,195.31
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	51,430.31
			4,541.79
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	57,070.23
			4,801.31
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	91,658.61
			5,190.61
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	114,373.81
			5,612.34
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	132,871.04
			6,040.57
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	172,917.97
			6,488.26
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	196,472.08
			6,903.51
22 15 19 19-0019	Rotary Screw Air Compressor, Base Mounted With Receiver (22 15 19 19)		
	Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.		
22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	13,204.42
			1,380.70
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	14,032.57
			1,380.70
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	15,793.84
			1,731.07
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	16,699.63
			1,731.07
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	17,866.41
			2,206.01
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	18,823.95
			2,206.01
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	20,326.40
			2,595.30
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	21,361.58
			2,595.30
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	35,208.59
			2,919.72
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	37,927.40
			3,244.13
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	40,387.44
			3,633.42

22 30 Plumbing Equipment (22)**22 31 Domestic Water Softeners** (22 30)**22 31 16 Commercial Domestic Water Softeners** (22 31)

22 31 16 00-0001	Commercial Water Softeners (Watts Pure Water) (22 31 16)		
22 31 16 00-0002	Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0003	1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)		
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	5,332.78
			328.47
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	5,574.15
			343.39
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	6,020.19
			358.32
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	6,941.57
			373.25
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	7,401.25
			388.19
22 31 16 00-0009	1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)		
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	8,028.35
			358.32
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	8,444.85
			373.25

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0012	EA		120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11).....	8,906.80	388.19
22 31 16 00-0013	EA		150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11).....	10,601.42	403.11
22 31 16 00-0014	EA		210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11).....	11,793.42	418.04
22 31 16 00-0015	EA		300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11).....	14,381.82	432.97
22 31 16 00-0016			2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA		90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11).....	12,242.84	373.25
22 31 16 00-0018	EA		120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11).....	12,688.88	388.19
22 31 16 00-0019	EA		150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11).....	14,388.05	403.11
22 31 16 00-0020	EA		210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11).....	15,580.04	418.04
22 31 16 00-0021	EA		300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11).....	18,309.45	432.97
22 31 16 00-0022	EA		450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11).....	24,186.39	447.91
22 31 16 00-0023	EA		600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11).....	28,312.19	462.83
22 31 16 00-0024			3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA		300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11).....	29,735.28	432.97
22 31 16 00-0026	EA		450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11).....	34,368.21	447.91
22 31 16 00-0027	EA		600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11).....	38,439.42	462.83
22 31 16 00-0028	EA		900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11).....	48,428.21	477.76
22 31 16 00-0029	EA		1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11).....	53,634.28	492.69
22 31 16 00-0030			Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		
22 31 16 00-0031			2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA		90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21).....	20,109.75	559.88
22 31 16 00-0033	EA		120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21).....	21,002.83	582.27
22 31 16 00-0034	EA		150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21).....	23,933.65	604.67
22 31 16 00-0035	EA		210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21).....	26,177.64	627.07
22 31 16 00-0036	EA		300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21).....	31,989.92	649.46
22 31 16 00-0037	EA		450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21).....	42,437.13	671.86
22 31 16 00-0038	EA		600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21).....	49,977.85	694.25
22 31 16 00-0039			3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA		300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21).....	54,650.55	649.46
22 31 16 00-0041	EA		450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21).....	62,805.32	671.86
22 31 16 00-0042	EA		600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21).....	70,598.48	694.25
22 31 16 00-0043	EA		900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21).....	89,881.15	716.64
22 31 16 00-0044	EA		1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21).....	100,371.57	739.04
22 31 16 00-0045			Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)		

22 Plumbing
22 30 Plumbing Equipment
22 31 Domestic Water Softeners

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 31 16 00-0046	1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)		
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	6,993.96	492.69
22 31 16 00-0048	EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,461.76	515.09
22 31 16 00-0049	EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,145.60	537.48
22 31 16 00-0050	EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,800.57	559.88
22 31 16 00-0051	EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	10,850.58	582.27
22 31 16 00-0052	1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)		
	Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	13,815.31	537.48
22 31 16 00-0054	EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,569.67	559.88
22 31 16 00-0055	EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	15,687.91	582.27
22 31 16 00-0056	EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	17,975.11	604.67
22 31 16 00-0057	EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	20,296.43	627.07
22 31 16 00-0058	EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	25,451.46	649.46

22 32 Domestic Water Filtration Equipment (22 30)

22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)

22 32 16 00-0001	Commercial Water Filters Housings (22 32 16)		
22 32 16 00-0002	Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0003	Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)		
22 32 16 00-0004	EA 25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,752.85	210.87
22 32 16 00-0005	EA 30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,805.75	227.09
22 32 16 00-0006	EA 60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	2,986.02	243.31
22 32 16 00-0007	EA 90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,307.29	259.53
22 32 16 00-0008	EA 120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,405.68	275.75
22 32 16 00-0009	EA 150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	4,134.04	291.97
22 32 16 00-0010	EA 250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,685.15	308.19
22 32 16 00-0011	EA 300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,598.40	324.42
22 32 16 00-0012	EA 500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	17,274.19	340.63
22 32 16 00-0013	EA 600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	19,164.70	356.86

22 32 16 00-0014 Commercial Water Filter Cartridges (22 32 16 00-0002)

22 32 16 00-0015	(Depth) Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0016	EA 50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	13.72	2.60
22 32 16 00-0017	EA 20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	13.72	2.60
22 32 16 00-0018	EA 10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	13.72	2.60
22 32 16 00-0019	EA 5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	11.44	2.60
22 32 16 00-0020	EA 1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	14.29	2.60
22 32 16 00-0021	EA 50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	14.29	2.60
22 32 16 00-0022	EA 20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	15.42	2.60
22 32 16 00-0023	EA 5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	19.40	2.60
22 32 16 00-0024	EA 1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	15.42	2.60
22 32 16 00-0025	EA 50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	18.27	2.60
22 32 16 00-0026	EA 20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	18.27	2.60
22 32 16 00-0027	EA 5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	18.27	2.60
22 32 16 00-0028	EA 1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	19.97	2.60
22 32 16 00-0029	EA 50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	26.23	2.60
22 32 16 00-0030	EA 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	23.95	2.60
22 32 16 00-0031	EA 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	23.95	2.60
22 32 16 00-0032	EA 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	26.23	2.60

22 32 16 00-0033	Pleated Water Filter Cartridges (22 32 16 00-0014)				
22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	24.52		2.60
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	24.52		2.60
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	25.09		2.60
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	26.80		2.60
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	40.44		2.60
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	38.74		2.60
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	38.74		2.60
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	38.74		2.60
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	51.24		2.60
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	72.85		2.60
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	60.91		2.60
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	84.79		2.60
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	88.20		2.60
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	99.57		2.60

22 32 16 00-0048	Commercial Non-Metallic Water Filter Housings (22 32 16 00-0001)				
22 32 16 00-0049	Commercial Non-Metallic Water Filter Housings (22 32 16 00-0048)				
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	2,164.35		194.65

22 32 16 00-0051	Commercial Water Filter Cartridges (22 32 16 00-0048)				
22 32 16 00-0052	Carbon Water Filter Cartridges (22 32 16 00-0051)				
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	713.62		2.60

22 32 16 00-0054	(Depth) Water Filter Cartridges (22 32 16 00-0051)				
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	147.90		2.60
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	146.76		2.60
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	146.76		2.60
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	168.37		2.60

22 32 16 00-0059	Pleated Water Filter Cartridges (22 32 16 00-0051)				
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	391.81		2.60
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	367.93		2.60
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	400.91		2.60
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	420.24		2.60
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	447.53		2.60
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	485.06		2.60

22 33 Electric Domestic Water Heaters (22 30)

22 33 13 Instantaneous Electric Domestic Water Heaters (22 33)

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)

22 33 13 13-0001	Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 13)				
22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	589.97		64.86
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	640.54		64.86

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters (22 33 13)

22 33 13 16-0001	Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters (22 33 13 16)				
	Note: Temperature rise decreases with increased flow rate.				
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	782.40		97.28
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	813.22		129.72
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	1,377.25		227.01
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	2,088.36		259.43
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus).....	1,591.65		129.72
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus).....	2,173.16		194.58
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus).....	2,390.15		259.43
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus).....	2,482.56		259.43
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus).....	2,569.83		259.43
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus).....	2,698.18		259.43

22 Plumbing**22 30 Plumbing Equipment****22 33 Electric Domestic Water Heaters**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
22 33 30 Residential, Electric Domestic Water Heaters (22 33)**22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters (22 33 30)****22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30)**

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,086.14	204.31
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,337.96	217.28
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,583.30	227.01

22 33 30 16 Residential, Storage Electric Domestic Water Heaters (22 33 30)**22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)**

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater.....	1,693.71	227.01
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater.....	1,590.64	233.50
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater.....	1,564.08	239.98
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater.....	1,749.15	243.23
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater.....	2,554.85	249.70
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater.....	2,602.55	259.43
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater.....	3,471.18	275.65

22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) (22 33 30 16)

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,820.49	227.01
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,731.82	233.50
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,835.14	239.98

22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16)

Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,879.91	233.50
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater.....	2,055.38	239.98
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater.....	2,534.95	249.70
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater.....	2,757.70	259.43

22 33 30 16-0018 Water Heater Accessories (22 33 30 16)

22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters.....	144.68	12.97
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	171.17	12.97
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	334.82	12.97
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters.....	450.00	12.97
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	79.02	9.73
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	86.19	9.73
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	90.98	9.73
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	107.72	9.73
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	43.02	9.73
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	46.85	9.73
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	52.23	9.73
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	59.15	9.73

22 33 30 23 Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters (22 33 30)**22 33 30 23-0001 Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) (22 33 30 23)**

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater.....	4,297.36	259.43
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater.....	5,155.30	275.65

22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)**22 33 33 00-0001 Heavy-Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)**

Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-5-3).....	11,016.15	227.01
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-3).....	11,460.88	227.01
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-6).....	11,942.67	227.01
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-3).....	12,007.54	259.43
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-6).....	12,563.45	259.43
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-9).....	13,452.91	259.43
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-12).....	14,045.89	259.43
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-15).....	14,527.68	259.43
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-18).....	15,046.53	259.43
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-6).....	13,119.37	259.43
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-9).....	13,638.22	259.43
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-12).....	14,231.19	259.43
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-15).....	14,712.98	259.43
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-18).....	15,231.83	259.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-24)	19,049.09	259.43
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-9)	14,249.72	324.30
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-12)	14,731.51	324.30
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-15)	15,324.48	324.30
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-18)	15,843.33	324.30
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-24)	19,697.66	324.30
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-30)	21,476.57	324.30
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-36)	23,218.43	324.30
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-9)	16,454.84	389.16
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-12)	16,936.63	389.16
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-15)	17,418.42	389.16
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-18)	17,937.28	389.16
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-24)	21,902.78	389.16
22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-30)	23,681.70	389.16
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-36)	25,423.56	389.16
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-45)	28,573.72	389.16
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-54)	29,982.04	389.16
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-60)	34,874.06	389.16
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-75)	41,174.40	389.16
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-90)	51,773.79	389.16
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-9)	18,419.08	518.88
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-12)	18,974.99	518.88
22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-15)	19,493.84	518.88
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-18)	19,938.57	518.88
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-24)	23,867.02	518.88
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-30)	25,645.94	518.88
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-36)	27,350.73	518.88
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-45)	30,575.02	518.88
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-54)	31,946.27	518.88
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-60)	36,875.36	518.88
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-75)	43,212.76	518.88
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-90)	53,775.08	518.88
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-12)	20,587.14	583.73
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-15)	21,106.00	583.73
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-18)	21,550.72	583.73
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-24)	25,516.23	583.73
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-30)	27,109.84	583.73
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-36)	28,962.88	583.73
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-45)	32,187.17	583.73
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-54)	33,595.48	583.73
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-60)	38,228.08	583.73
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-75)	44,824.91	583.73
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-90)	55,387.24	583.73
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-15)	23,162.87	648.59
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-18)	23,755.84	648.59
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-24)	27,610.16	648.59
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-30)	29,389.08	648.59
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-36)	31,130.94	648.59
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-45)	34,281.11	648.59
22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-54)	35,726.48	648.59
22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-60)	40,581.44	648.59
22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-75)	46,881.78	648.59
22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-90)	57,518.23	648.59
22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-15)	24,756.51	778.31
22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-18)	25,275.36	778.31
22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-24)	29,129.68	778.31
22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-30)	30,834.48	778.31
22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-36)	32,650.46	778.31
22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-45)	35,800.62	778.31
22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-54)	37,134.81	778.31
22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-60)	42,138.02	778.31
22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-75)	48,475.42	778.31
22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-90)	59,000.68	778.31

22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN)^(22 33 33)

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,751.59	227.01
22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	2,985.08	227.01
22 33 33 00-0082	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	3,224.13	259.43
22 33 33 00-0083	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	5,892.51	259.43
22 33 33 00-0084	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	6,763.44	324.30
22 33 33 00-0085	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	7,449.07	389.16
22 33 33 00-0086	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	8,720.28	583.73

22 33 33 00-0087 Water Heater Accessories^(22 33 33)

22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap	51.70	
22 33 33 00-0089	EA	Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts >80 To 120 Gallon Water Heater Strap	75.49	
		Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts		

22 Plumbing**22 30 Plumbing Equipment****22 33 Electric Domestic Water Heaters**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**22 33 33 00-0090 Removal And Reinstallation Of Water Heater (22 33 33)**

Note: Includes storage and cleaning.

22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	432.39	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,297.18	

22 33 36 Commercial Domestic Water Electric Booster Heaters (22 33)**22 33 36 16 Commercial Storage Electric Domestic Water Heaters (22 33 36)****22 33 36 16-0001 Commercial Storage Electric Domestic Water Heaters (22 33 36 16)**

22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	41,359.50	851.84
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	43,393.93	851.84
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	45,428.38	851.84
22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	47,462.81	851.84
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	51,531.67	851.84
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	55,600.55	851.84
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	58,855.65	851.84
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	44,067.67	1,000.91
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	46,117.75	1,000.91
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	48,167.84	1,000.91
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	50,217.92	1,000.91
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	54,318.09	1,000.91
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	58,418.26	1,000.91
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	61,698.40	1,000.91
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	66,618.59	1,000.91
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	45,768.62	1,139.34
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	47,789.14	1,139.34
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	49,809.67	1,139.34
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	51,830.19	1,139.34
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	55,871.24	1,139.34
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	59,912.29	1,139.34
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	63,953.34	1,139.34
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	68,002.60	1,139.34
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	73,651.85	1,139.34
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	50,491.22	1,309.70
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	52,524.68	1,309.70
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	54,558.13	1,309.70
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	58,625.05	1,309.70
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	62,691.96	1,309.70
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	65,945.49	1,309.70
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	72,181.43	1,309.70
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	77,061.72	1,309.70
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	79,501.87	1,309.70
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	81,942.02	1,309.70
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	84,382.17	1,309.70
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	56,053.64	1,543.95
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	57,959.20	1,543.95
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	59,864.77	1,543.95
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	63,675.89	1,543.95
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	67,487.01	1,543.95
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	70,535.91	1,543.95
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	75,109.26	1,543.95
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	79,682.60	1,543.95
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	81,969.28	1,543.95
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	84,255.95	1,543.95
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	86,542.62	1,543.95
22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater	89,972.64	1,543.95
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	61,466.99	1,703.67
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	63,821.36	1,703.67
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	66,175.73	1,703.67
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	70,884.46	1,703.67
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	75,593.19	1,703.67
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	79,360.18	1,703.67
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	85,010.66	1,703.67
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	90,661.14	1,703.67
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	93,486.37	1,703.67
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	96,311.61	1,703.67
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	99,136.86	1,703.67
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	104,787.33	1,703.67
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	107,612.57	1,703.67
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	71,752.09	1,916.63
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	74,261.19	1,916.63
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	76,770.28	1,916.63
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	81,788.48	1,916.63
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	86,806.68	1,916.63
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	90,821.23	1,916.63
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	96,843.07	1,916.63
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	102,864.91	1,916.63
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	105,875.82	1,916.63
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	108,886.74	1,916.63
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	111,897.66	1,916.63
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	117,919.50	1,916.63
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	120,930.42	1,916.63
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	126,952.25	1,916.63

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	132,974.08	1,916.63
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	84,228.12	2,129.59
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	87,145.39	2,129.59
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	90,062.67	2,129.59
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	95,897.20	2,129.59
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	101,731.75	2,129.59
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	106,399.38	2,129.59
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	112,421.22	2,129.59
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	119,422.67	2,129.59
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	122,923.40	2,129.59
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	126,424.12	2,129.59
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	129,924.84	2,129.59
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	137,905.91	2,129.59
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	144,907.36	2,129.59
22 33 36 16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	148,408.09	2,129.59
22 33 36 16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	155,409.53	2,129.59
22 33 36 16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	97,157.34	2,843.01
22 33 36 16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	103,102.24	2,843.01
22 33 36 16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	109,047.14	2,843.01
22 33 36 16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	113,803.06	2,843.01
22 33 36 16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	120,936.95	2,843.01
22 33 36 16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	128,070.82	2,843.01
22 33 36 16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	131,637.77	2,843.01
22 33 36 16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	135,204.71	2,843.01
22 33 36 16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	138,771.64	2,843.01
22 33 36 16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	145,905.53	2,843.01
22 33 36 16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	153,039.42	2,843.01
22 33 36 16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	156,606.35	2,843.01
22 33 36 16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	163,740.24	2,843.01
22 33 36 16-0105	EA	1,000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	113,783.70	3,652.25
22 33 36 16-0106	EA	1,000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	118,873.60	3,652.25
22 33 36 16-0107	EA	1,000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	123,963.50	3,652.25
22 33 36 16-0108	EA	1,000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	128,035.43	3,652.25
22 33 36 16-0109	EA	1,000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	134,143.32	3,652.25
22 33 36 16-0110	EA	1,000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	140,251.21	3,652.25
22 33 36 16-0111	EA	1,000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	143,305.14	3,652.25
22 33 36 16-0112	EA	1,000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	146,359.09	3,652.25
22 33 36 16-0113	EA	1,000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	149,413.03	3,652.25
22 33 36 16-0114	EA	1,000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	155,520.91	3,652.25
22 33 36 16-0115	EA	1,000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	161,628.80	3,652.25
22 33 36 16-0116	EA	1,000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	164,682.74	3,652.25
22 33 36 16-0117	EA	1,000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	170,790.62	3,652.25
22 33 36 16-0118	EA	1,250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	126,269.89	4,259.18
22 33 36 16-0119	EA	1,250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	130,946.99	4,259.18
22 33 36 16-0120	EA	1,250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	135,624.09	4,259.18
22 33 36 16-0121	EA	1,250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	139,365.77	4,259.18
22 33 36 16-0122	EA	1,250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	144,978.30	4,259.18
22 33 36 16-0123	EA	1,250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	150,590.82	4,259.18
22 33 36 16-0124	EA	1,250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	153,397.08	4,259.18
22 33 36 16-0125	EA	1,250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	156,203.34	4,259.18
22 33 36 16-0126	EA	1,250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	159,009.61	4,259.18
22 33 36 16-0127	EA	1,250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	164,622.12	4,259.18
22 33 36 16-0128	EA	1,250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	170,234.64	4,259.18
22 33 36 16-0129	EA	1,250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	173,040.90	4,259.18
22 33 36 16-0130	EA	1,250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	178,653.43	4,259.18
22 33 36 16-0131	EA	1,250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater.....	184,265.95	4,259.18
22 33 36 16-0132	EA	1,500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	138,583.15	5,111.02
22 33 36 16-0133	EA	1,500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	143,101.94	5,111.02
22 33 36 16-0134	EA	1,500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	147,620.74	5,111.02
22 33 36 16-0135	EA	1,500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	151,235.77	5,111.02
22 33 36 16-0136	EA	1,500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	156,658.32	5,111.02
22 33 36 16-0137	EA	1,500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	162,080.88	5,111.02
22 33 36 16-0138	EA	1,500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	164,792.15	5,111.02
22 33 36 16-0139	EA	1,500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	167,503.43	5,111.02
22 33 36 16-0140	EA	1,500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	170,214.70	5,111.02
22 33 36 16-0141	EA	1,500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	175,637.26	5,111.02
22 33 36 16-0142	EA	1,500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	181,059.81	5,111.02
22 33 36 16-0143	EA	1,500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	183,771.08	5,111.02
22 33 36 16-0144	EA	1,500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	189,193.63	5,111.02
22 33 36 16-0145	EA	1,500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater.....	194,616.19	5,111.02

22 34 Fuel-Fired Domestic Water Heaters (22 30)

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN).....	2,386.68	259.43
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN).....	2,588.84	262.68
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN).....	2,850.85	269.16
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN).....	3,343.84	275.65

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	4,073.86	291.86
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	4,162.80	291.86

22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34

22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	2,582.36	259.43
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	4,073.86	291.86

22 34 30 Residential Gas Domestic Water Heaters (22 34)**22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)****22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)**

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,769.89	249.70
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,734.86	256.19
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	2,332.32	262.68
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65)	2,528.96	269.16
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	2,767.69	275.65
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	4,130.16	291.86

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)**22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)**

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	3,300.97	256.19
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	3,772.35	262.68
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	4,929.58	269.16

22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)**22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)**

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	2,991.36	256.19
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	3,117.27	262.68

22 34 36 Commercial Gas Domestic Water Heaters (22 34)**22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters (22 34 36)****22 34 36 13-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36 13)**

Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	7,163.73	389.16
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	7,647.34	454.01
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	9,461.82	518.88
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	8,184.78	518.88
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	9,409.65	518.88
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	12,547.73	570.77
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	9,113.04	583.73
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	13,515.99	642.11
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	9,254.57	583.73
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	12,892.60	642.11
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	10,255.32	713.46
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	14,104.65	784.80
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	11,535.80	713.46
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	14,188.89	784.80
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	11,160.14	778.31
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	15,662.60	856.14
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	14,175.92	778.31
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	18,560.51	856.14
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	18,484.01	843.17
22 34 36 13-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	9,231.02	454.01
22 34 36 13-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	11,074.03	499.42
22 34 36 13-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	9,596.60	518.88
22 34 36 13-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	11,503.14	570.77
22 34 36 13-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	2,333.34	324.30
22 34 36 13-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	2,552.36	324.30

		Plumbing		22	22
		Plumbing Equipment		22 30	
		Fuel-Fired Domestic Water Heaters		22 34	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION	
		UNIT COST		UNIT COST	

22 34 36 13-0027	Removal And Reinstallation Of Water Heater (22 34 36 13)			
	Note: Includes storage and cleaning.			
22 34 36 13-0028	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	589.63	
22 34 36 13-0029	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,559.12	

22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)

22 34 36 19-0001	Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36 19)			
	Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 36 19-0002	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	5,832.72	389.16
22 34 36 19-0003	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	8,343.11	389.16
22 34 36 19-0004	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154) ...	10,174.52	454.01
22 34 36 19-0005	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180) ...	10,590.65	518.88
22 34 36 19-0006	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199) ...	10,641.20	518.88
22 34 36 19-0007	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	10,877.07	518.88
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	12,766.76	570.77
22 34 36 19-0009	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	12,000.84	583.73
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	14,762.77	642.11
22 34 36 19-0011	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	12,580.39	713.46
22 34 36 19-0012	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	15,418.82	784.80
22 34 36 19-0013	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310) ...	12,849.96	713.46
22 34 36 19-0014	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	15,587.30	784.80
22 34 36 19-0015	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366) ...	14,411.80	778.31
22 34 36 19-0016	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	16,943.07	856.14
22 34 36 19-0017	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400) ...	17,461.34	778.31
22 34 36 19-0018	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	20,144.25	856.14

22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36 19)

	Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 36 19-0020	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	4,518.55	389.16
22 34 36 19-0021	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	6,068.59	389.16
22 34 36 19-0022	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	7,349.06	389.16
22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	10,594.37	428.07
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	10,848.45	454.01
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	13,685.52	499.42
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	11,011.86	518.88
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	14,097.78	570.77
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	12,725.32	583.73
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	15,487.24	642.11
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	20,271.13	784.80
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	21,306.78	856.14
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	24,515.86	927.48

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters (22 34 36)

22 34 36 23-0001	Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) (22 34 36 23)			
	Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.			
22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	98,143.25	1,703.67
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	118,742.26	1,810.16
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	144,366.32	1,916.63
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	172,667.06	2,023.12
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	180,980.71	2,129.59

22 Plumbing**22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 34 36 23-0007	Gas Fired Volume Water Heater (Laars Mighty Therm) (22 34 36 23)		
22 34 36 23-0008	EA 200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	12,175.16	955.99
22 34 36 23-0009	EA 300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	13,205.64	1,075.49
22 34 36 23-0010	EA 400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	15,283.99	1,314.49
22 34 36 23-0011	EA 500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	22,320.16	1,433.99
22 34 36 23-0012	EA 750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	24,539.86	1,672.99
22 34 36 23-0013	EA 1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	28,070.70	1,911.99
22 34 36 23-0014	EA 1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	31,005.78	2,150.99
22 34 36 23-0015	EA 1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	37,087.21	2,389.99
22 34 36 23-0016	EA 1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	38,480.81	2,509.48
22 34 36 23-0017	EA 2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	41,287.78	2,628.98

22 34 36 23-0018	Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm) (22 34 36 23)		
Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.			
22 34 36 23-0019	EA 150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	20,503.09	716.87
	For Skid Mounting, Add	950.00	
22 34 36 23-0020	EA 199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	23,803.91	955.99
	For Skid Mounting, Add	950.00	
22 34 36 23-0021	EA 285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	31,179.82	1,075.49
	For Skid Mounting, Add	950.00	
22 34 36 23-0022	EA 399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	39,158.78	1,314.49
	For Skid Mounting, Add	950.00	
22 34 36 23-0023	EA 500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	46,280.20	1,433.99
	For Skid Mounting, Add	950.00	
22 34 36 23-0024	EA 600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	52,342.79	1,553.49
	For Skid Mounting, Add	950.00	
22 34 36 23-0025	EA 750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	62,856.41	1,672.99
	For Skid Mounting, Add	950.00	
22 34 36 23-0026	EA 850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	69,669.00	1,792.49
	For Skid Mounting, Add	950.00	
22 34 36 23-0027	EA 1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	91,679.30	1,911.99
	For Skid Mounting, Add	950.00	
22 34 36 23-0028	EA 1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	123,248.10	2,509.48
	For Skid Mounting, Add	950.00	

22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)

22 34 36 26-0001	Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)		
22 34 36 26-0002	EA 1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	36,990.96	1,816.39
22 34 36 26-0003	EA 1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	52,182.63	2,007.58
22 34 36 26-0004	EA 2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	56,614.17	2,103.18
22 34 36 26-0005	EA 2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	61,321.31	2,294.38

22 34 36 26-0006	Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)		
22 34 36 26-0007	EA 1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,828.66	1,816.39
22 34 36 26-0008	EA 1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	36,267.22	2,007.58
22 34 36 26-0009	EA 2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	39,637.10	2,103.18
22 34 36 26-0010	EA 2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	43,066.10	2,294.38

22 34 36 26-0011	Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)		
22 34 36 26-0012	EA 200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,478.00	860.39
22 34 36 26-0013	EA 300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,328.21	955.99
22 34 36 26-0014	EA 400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,958.59	1,147.19
22 34 36 26-0015	EA 500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,402.74	1,194.99
22 34 36 26-0016	EA 750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,983.90	1,433.99
22 34 36 26-0017	EA 1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,940.01	1,720.79
22 34 36 26-0018	EA 1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,786.21	1,816.39
22 34 36 26-0019	EA 1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	26,358.77	1,959.79
22 34 36 26-0020	EA 1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	28,762.48	2,055.39
22 34 36 26-0021	EA 2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,857.28	2,103.18

22 34 36 26-0022	Patterson Kelley Thermifc Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)		
22 34 36 26-0023	EA 700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermifc)	23,965.73	1,433.99
22 34 36 26-0024	EA 1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermifc)	26,452.39	1,720.79
22 34 36 26-0025	EA 1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermifc)	31,648.39	1,959.79
22 34 36 26-0026	EA 1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermifc)	32,629.91	2,055.39
22 34 36 26-0027	EA 2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermifc)	34,123.45	2,103.18

			Plumbing	22	22
			Plumbing Equipment	22 30	
			Fuel-Fired Domestic Water Heaters	22 34	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)

22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	28,823.06	1,720.79
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	34,794.14	1,959.79
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	36,937.89	2,103.18

22 34 46 Oil-Fired Domestic Water Heaters (22 34)

22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters (22 34 46)

22 34 46 11-0001 Oil-Fired Domestic Water Heaters (22 34 46 11)

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E).....	3,853.11	199.77
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E).....	3,806.79	199.77
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES).....	3,955.62	199.77
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E).....	4,145.96	204.95
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES).....	5,155.86	210.14
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E).....	4,419.88	210.14

22 34 46 11-0008 Oil-Fired Commercial Water Heaters (22 34 46 11)

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Domestic Water Heater (Bock 71E).....	5,869.67	311.32
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 72E).....	6,838.64	311.32
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 73E).....	6,875.92	311.32
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Domestic Water Heater (Bock 120E).....	9,603.60	415.09
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Domestic Water Heater (Bock 361E).....	13,505.02	518.88
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Domestic Water Heater (Bock 541E).....	16,784.82	570.77

22 35 Domestic Water Heat Exchangers (22 30)

22 35 23 Circulating, Domestic Water Heat Exchangers (22 35)

22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers (22 35 23)

22 35 23 13-0001 Steam Driven Water Heaters (22 35 23 13)

22 35 23 13-0002 Constant Flow (22 35 23 13-0001)

22 35 23 13-0003	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Constant Flow.....	6,621.54	648.59
22 35 23 13-0004	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Constant Flow.....	8,266.72	794.78
22 35 23 13-0005	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Constant Flow.....	10,597.79	1,039.44
22 35 23 13-0006	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Constant Flow.....	14,350.06	1,447.79
22 35 23 13-0007	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Constant Flow.....	21,231.39	2,384.49
22 35 23 13-0008	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Constant Flow.....	23,162.40	2,702.43
22 35 23 13-0009	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Constant Flow.....	30,296.80	3,118.17
22 35 23 13-0010	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Constant Flow.....	36,438.49	3,685.17

22 35 23 13-0011 Variable Flow (22 35 23 13-0001)

22 35 23 13-0012	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Variable Flow.....	10,041.28	1,264.75
22 35 23 13-0013	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Variable Flow.....	11,406.05	1,544.30
22 35 23 13-0014	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Variable Flow.....	14,556.17	1,996.88
22 35 23 13-0015	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Variable Flow.....	19,127.63	2,786.09
22 35 23 13-0016	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Variable Flow.....	28,659.23	4,659.49
22 35 23 13-0017	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Variable Flow.....	34,754.59	5,131.28
22 35 23 13-0018	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Variable Flow.....	40,273.25	6,005.45
22 35 23 13-0019	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Variable Flow.....	50,900.40	7,174.73

22 40 Plumbing Fixtures (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures (22 40)

22 41 39 Residential Faucets, Supplies, and Trim (22 41)

22 41 39 00-0001 Residential Kitchen Faucets (22 41 39)

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF).....	215.30	59.72
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF).....	247.75	59.72
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF).....	247.75	59.72
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215).....	238.79	59.72
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215).....	256.22	59.72

22 41 39 00-0007 Residential Lavatory Faucets (22 41 39)

22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST).....	195.47	43.00
For Faucet With Brass Pop-Up, Add			11.00	

22 Plumbing

22 40 Plumbing Fixtures

22 41 Residential Plumbing Fixtures

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF).....	195.47		43.00
		<i>For Faucet With Brass Pop-Up, Add</i>	11.00		
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	142.10		43.00
		<i>For Faucet With Brass Pop-Up, Add</i>	16.50		
		<i>For Faucet With Plastic Pop-Up, Add</i>	14.00		
22 41 39 00-0011		Residential Bath And Shower Faucets (22 41 39)			
22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501).....	254.04		51.84
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00		
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	298.43		51.84
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00		
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275).....	234.70		51.84
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00		
		<i>For Faucet With Lever Handles, Add</i>	8.10		
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375).....	258.60		51.84
		<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00		
		<i>For Faucet With Lever Handles, Add</i>	8.10		
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....	286.79		32.43
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	239.25		32.43
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	268.09		32.43
22 41 39 00-0019		Residential Laundry Faucets (22 41 39)			
22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	168.85		38.13
22 41 39 00-0021		Residential Laundry/Wash Basin Faucets (22 41 39)			
22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	170.19		38.13
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	241.85		42.03
22 41 39 00-0024		Other Residential Faucets (22 41 39)			
22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	46.56		9.73

22 42 Commercial Plumbing Fixtures (22 40)

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets (22 42)

22 42 13 13 Commercial Water Closets (22 42 13)

22 42 13 13-0001		Vitreous China Water Closets (22 42 13 13)			
		Note: With a 2" ball pass.			
22 42 13 13-0002		Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)			
		Note: Includes wax seal and toilet seat. Excludes flush valve.			
22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	705.61		124.22
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™)	815.08		124.22
22 42 13 13-0005	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	1,014.52		124.22
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®)	922.04		124.22
22 42 13 13-0007	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®)	869.82		124.22
22 42 13 13-0008	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®)	873.41		124.22
22 42 13 13-0009	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcome™)	697.59		124.22
22 42 13 13-0010	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	737.90		124.22
22 42 13 13-0011		Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)			
		Note: Includes wax seal and toilet seat. Excludes flush valve.			
22 42 13 13-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall®)	819.53		152.89
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall® ADA Retrofit)	978.99		152.89
22 42 13 13-0014	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,195.42		152.89
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	822.38		152.89
22 42 13 13-0016	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	1,165.98		152.89
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	892.60		152.89
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	783.29		152.89
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	814.97		152.89

		Plumbing	22	22
		Plumbing Fixtures	22 40	
		Commercial Plumbing Fixtures	22 42	
MINOR	TOTAL DIRECT	DEMOLITION		
CSI UOM DESCRIPTION	UNIT COST	UNIT COST		

22 42 13 13-0020		Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	713.57	124.22
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	727.41	124.22
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	788.44	124.22
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	863.93	124.22
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	860.79	124.22
22 42 13 13-0026	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,101.76	124.22
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	950.76	124.22
22 42 13 13-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	775.73	124.22
22 42 13 13-0029	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650)	883.16	124.22
22 42 13 13-0030	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519)	969.72	124.22
22 42 13 13-0031	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436)	786.47	124.22
22 42 13 13-0032	EA	2 Piece Tank Type, High Efficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™)	769.50	124.22
22 42 13 13-0033	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL)	743.97	124.22
22 42 13 13-0034		Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets (22 42 13 13-0001)		
		Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0035	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	783.53	124.22
22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	720.48	124.22
22 42 13 13-0037	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	818.64	124.22
22 42 13 13-0038		Floor Mounted Round Bowl Vitreous China Water Closets (22 42 13 13-0001)		
22 42 13 13-0039	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)	743.96	124.22
22 42 13 13-0040	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412)	775.28	124.22
22 42 13 13-0041		Stainless Steel Water Closets (22 42 13 13)		
22 42 13 13-0042	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	2,634.19	268.75
22 42 13 13-0043	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,764.14	268.75
22 42 13 13-0044		Water Closet Carriers (22 42 13 13)		
22 42 13 13-0045		Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0044)		
		Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0046	EA	Pipe Grip Adaptor Type, Water Closet Carrier	753.50	63.06
22 42 13 13-0047		No-Hub, Water Closet Carriers (22 42 13 13-0044)		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0048	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	1,192.17	63.06
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.63	
		For Positioning Frame, Add	67.41	
		For Supply Pipe Support, Add	69.02	
		For Vandal Proof Trim, Add	91.60	
		For Auxiliary Inlet, Add	293.72	
		For Special Duty 500 Lb. Carrier, Add	510.97	
22 42 13 13-0049	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	1,192.17	63.06
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.63	
		For Positioning Frame, Add	67.41	
		For Supply Pipe Support, Add	69.02	
		For Vandal Proof Trim, Add	91.60	
		For Auxiliary Inlet, Add	293.72	
		For Special Duty 500 Lb. Carrier, Add	510.97	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 42 13 13-0050	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	1,306.25	63.06
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.63	
		For Positioning Frame, Add	67.41	
		For Supply Pipe Support, Add	69.02	
		For Vandal Proof Trim, Add	91.60	
		For Auxiliary Inlet, Add	293.72	
		For Horizontal No Hub Cast Long Barrel, Add	306.73	
		For Carrier For Wide Chase Installations, Add	396.38	
		For Special Duty 1,000 Lb. Carrier, Add	510.98	
22 42 13 13-0051	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	1,452.47	63.06
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.63	
		For Positioning Frame, Add	67.41	
		For Supply Pipe Support, Add	69.02	
		For Vandal Proof Trim, Add	91.60	
		For 4" Branch, Add	234.43	
		For Auxiliary Inlet, Add	293.72	
		For Carrier For Wide Chase Installations, Add	396.38	
		For Double 4" Branches, Add	470.45	
		For Special Duty 1,000 Lb. Carrier, Add	510.98	
22 42 13 13-0052	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,993.55	92.56
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-215.28	
		For Positioning Frame, Add	143.76	
		For Supply Pipe Support, Add	146.99	
		For Vandal Proof Trim, Add	183.20	
		For Auxiliary Inlet, Add	311.64	
		For Special Duty 500 Lb. Carrier, Add	1,021.93	
22 42 13 13-0053	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,051.41	92.56
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-215.28	
		For Positioning Frame, Add	143.76	
		For Supply Pipe Support, Add	146.99	
		For Vandal Proof Trim, Add	183.20	
		For Auxiliary Inlet, Add	311.64	
		For Special Duty 500 Lb. Carrier, Add	1,021.93	
22 42 13 13-0054	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,512.56	92.56
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-215.28	
		For Positioning Frame, Add	143.76	
		For Supply Pipe Support, Add	146.99	
		For Vandal Proof Trim, Add	183.20	
		For 4" Branch, Add	243.39	
		For Auxiliary Inlet, Add	311.64	
		For Double 4" Branches, Add	488.37	
		For Carrier For Wide Chase Installations, Add	846.51	
		For Special Duty 1,000 Lb. Carrier, Add	1,021.96	
22 42 13 13-0055	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	2,361.52	92.56
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-215.28	
		For Positioning Frame, Add	143.76	
		For Supply Pipe Support, Add	146.99	
		For Vandal Proof Trim, Add	183.20	
		For Horizontal No Hub Cast Long Barrel, Add	315.69	
		For Carrier For Wide Chase Installations, Add	846.51	
		For Special Duty 1,000 Lb. Carrier, Add	1,021.96	

22 42 13 13-0056 Hub And Spigot, Water Closet Carriers (22 42 13 13-0044)

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0057	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	1,091.66	63.06
		For Positioning Frame, Add	67.41	
		For Supply Pipe Support, Add	69.02	
		For Vandal Proof Trim, Add	91.60	
		For Hanger Type Closet Adapter, Add	229.78	
		For Auxiliary Inlet, Add	293.72	
22 42 13 13-0058	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	1,192.17	63.06
		For Positioning Frame, Add	67.41	
		For Supply Pipe Support, Add	69.02	
		For Vandal Proof Trim, Add	91.60	
		For Auxiliary Inlet, Add	293.72	
		For Special Duty 500 Lb. Carrier, Add	510.97	
22 42 13 13-0059	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,507.10	63.06
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-107.63	
		For Positioning Frame, Add	67.41	
		For Supply Pipe Support, Add	69.02	
		For Vandal Proof Trim, Add	91.60	
		For 4" Branch, Add	234.43	
		For Auxiliary Inlet, Add	293.72	
		For Carrier For Wide Chase Installations, Add	396.38	
		For Double 4" Branches, Add	470.45	
		For Special Duty 1,000 Lb. Carrier, Add	510.98	
22 42 13 13-0060	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,821.57	92.56
		For Positioning Frame, Add	143.76	
		For Supply Pipe Support, Add	146.99	
		For Vandal Proof Trim, Add	183.20	
		For Auxiliary Inlet, Add	311.64	
		For Hanger Type Closet Adapter, Add	459.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0061	EA		Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Double 4" Branches, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 Lb. Carrier, Add</i>	2,567.20 -215.28 143.76 146.99 183.20 243.39 311.64 488.37 846.51 1,021.96	92.56
22 42 13 13-0062			Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0063	EA		Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	910.97 67.41 69.02 91.60 229.78	63.06
22 42 13 13-0064			Institutional Water Closet Carriers (22 42 13 13-0044) Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0065	EA		Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i>	3,312.78 -215.28 143.76 146.99 183.20 311.64	92.56
22 42 13 13-0066			Removal And Reinstallation Of Fixtures And Trim (22 42 13 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0067	EA		Removal And Reinstallation Of Wall Hung Water Closet With Tank.....	545.67	
22 42 13 13-0068	EA		Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	545.67	
22 42 13 13-0069	EA		Removal And Reinstallation Of Floor Mount Water Closet With Tank	419.59	
22 42 13 13-0070	EA		Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	419.59	
22 42 13 16			Commercial Urinals (22 42 13)		
22 42 13 16-0001			Vitreous China Urinals (22 42 13 16) Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002			Wall Hung Urinals (22 42 13 16-0001)		
22 42 13 16-0003	EA		Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™).....	643.50	127.81
22 42 13 16-0004	EA		Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®).....	769.19	127.81
22 42 13 16-0005	EA		Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®).....	795.47	127.81
22 42 13 16-0006	EA		Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™).....	834.08	127.81
22 42 13 16-0007	EA		Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™).....	767.14	127.81
22 42 13 16-0008	EA		Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™).....	661.09	127.81
22 42 13 16-0009	EA		Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV).....	785.60	127.81
22 42 13 16-0010	EA		Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV).....	684.03	127.81
22 42 13 16-0011	EA		Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798)	733.39	127.81
22 42 13 16-0012	EA		Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A).....	676.77	127.81
22 42 13 16-0013	EA		Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A).....	674.62	127.81
22 42 13 16-0014			Floor Mounted Urinals (22 42 13 16-0001)		
22 42 13 16-0015	EA		Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™).....	1,040.87	161.24
22 42 13 16-0016	EA		Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,150.26	161.24
22 42 13 16-0017	EA		Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	317.53	29.87
22 42 13 16-0018	EA		Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	359.50	29.87
22 42 13 16-0019			Waterfree Urinals (22 42 13 16-0001)		
22 42 13 16-0020	EA		Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free).....	676.33	89.59
22 42 13 16-0021	EA		Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)..... <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	1,275.17 66.90 -111.33	89.59
22 42 13 16-0022	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)..... <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	1,101.73 66.90 -91.56	89.59
22 42 13 16-0023	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)..... <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	850.81 66.90 -62.95	89.59
22 42 13 16-0024	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)..... <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	850.81 66.90 -62.95	89.59
22 42 13 16-0025	EA		Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)..... <i>For Colored Fixtures, Add</i> <i>For >1, Deduct</i>	1,048.15 66.90 -85.45	89.59
22 42 13 16-0026	EA		Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)..... <i>For >1, Deduct</i>	1,575.34 -145.55	89.59

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 42 13 16-0027		Stainless Steel Urinals (22 42 13 16)		
22 42 13 16-0028	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1).....	2,707.29	268.75
22 42 13 16-0029	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C).....	3,494.15	328.47
22 42 13 16-0030		Urinal Carriers (22 42 13 16)		
22 42 13 16-0031		Floor Mounted, Urinal Carriers (22 42 13 16-0030)		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier.....	611.23	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	33.74	
22 42 13 16-0033	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	725.05	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	33.74	
22 42 13 16-0034		Wall Mounted, Urinal Carriers (22 42 13 16-0030)		
		Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	283.17	45.39
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	33.74	
22 42 13 16-0036		Removal And Reinstallation Of Fixtures And Trim (22 42 13 16)		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	544.12	
22 42 16		Commercial Lavatories and Sinks (22 42)		
22 42 16 13		Commercial Lavatories (22 42 16)		
22 42 16 13-0001		Lavatories (22 42 16 13)		
		Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 13-0002		Wall Hung Lavatories (22 42 16 13-0001)		
22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	596.47	80.02
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	623.28	80.02
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	773.42	80.02
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	547.60	80.02
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	472.70	80.02
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	596.03	80.02
22 42 16 13-0009	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users).....	701.33	80.02
22 42 16 13-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™).....	560.21	80.02
22 42 16 13-0011	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™).....	494.78	80.02
22 42 16 13-0012		Countertop Lavatories (22 42 16 13-0001)		
22 42 16 13-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	572.03	96.74
22 42 16 13-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	584.30	96.74
22 42 16 13-0015	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™).....	618.48	96.74
22 42 16 13-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....	654.89	96.74
22 42 16 13-0017	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	858.10	104.51
22 42 16 13-0018		Undermount Lavatories (22 42 16 13-0001)		
22 42 16 13-0019	EA	15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	526.49	96.74
22 42 16 13-0020	EA	17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	501.39	96.74
22 42 16 13-0021	EA	19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	501.39	96.74
22 42 16 13-0022	EA	21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	532.00	96.74
22 42 16 13-0023	EA	15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	516.66	96.74
22 42 16 13-0024	EA	17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	512.03	96.74
22 42 16 13-0025	EA	19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®).....	516.74	96.74
22 42 16 13-0026	EA	18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	620.67	96.74
22 42 16 13-0027	EA	21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	620.67	96.74
22 42 16 13-0028		Pedestal Lavatories (22 42 16 13-0001)		
22 42 16 13-0029	EA	19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™).....	699.47	229.92
22 42 16 13-0030		Cultured Marble Vanity Tops (22 42 16 13-0001)		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0031	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	374.00	89.59
22 42 16 13-0032	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	423.85	95.55
22 42 16 13-0033	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	512.12	101.52
22 42 16 13-0034	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	702.69	107.49
22 42 16 13-0035	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	401.93	89.59
22 42 16 13-0036	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	431.71	95.55
22 42 16 13-0037	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	558.58	101.52
22 42 16 13-0038	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	609.28	104.51
22 42 16 13-0039	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	683.04	107.49
22 42 16 13-0040		Quartz Vanity Tops (22 42 16 13-0001)		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0041	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	811.83	89.59

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0042	EA		31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	848.28	95.55
22 42 16 13-0043	EA		37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	976.84	101.52
22 42 16 13-0044	EA		43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	984.48	104.51
22 42 16 13-0045	EA		49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink.....	1,075.17	107.49
22 42 16 13-0046	EA		61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks.....	1,441.70	113.47
22 42 16 13-0047	EA		73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks.....	1,703.27	119.42
22 42 16 13-0048	EA		22" End Splash For Quartz Vanity Tops.....	47.27	
22 42 16 13-0049 Solid Surface Vanity Tops (22 42 16 13-0001)					
Note: Includes predrilled holes for faucet.					
22 42 16 13-0050	EA		25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	679.76	89.59
22 42 16 13-0051	EA		31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	765.07	95.55
22 42 16 13-0052	EA		37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	861.71	101.52
22 42 16 13-0053	EA		43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	949.53	104.51
22 42 16 13-0054	EA		49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,029.87	107.49
22 42 16 13-0055	EA		55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,135.60	110.48
22 42 16 13-0056	EA		61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink.....	1,265.21	113.47
22 42 16 13-0057	EA		61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks.....	1,297.28	113.47
22 42 16 13-0058	EA		73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks.....	1,401.43	119.42
22 42 16 13-0059	EA		22" End Splash For Solid Surface Vanity Tops.....	69.78	
22 42 16 13-0060 Stainless Steel Lavatories (22 42 16 13-0001)					
22 42 16 13-0061	EA		18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1).....	1,442.21	209.03
22 42 16 13-0062 Solid Surface Multi-Station Lavatory Systems (22 42 16 13-0001)					
Note: ADA compliant. Includes integral faucets.					
22 42 16 13-0063	EA		2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2).....	7,018.61	164.75
For Integral Liquid Soap Dispenser, Add				171.00	
For Integral Photovoltaic Power Panels, Add				563.00	
22 42 16 13-0064	EA		3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3).....	10,301.97	164.75
For Integral Liquid Soap Dispenser, Add				171.00	
For Integral Photovoltaic Power Panels, Add				657.00	
22 42 16 13-0065	EA		12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12).....	471.61	54.92
22 42 16 13-0066	EA		18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18).....	585.99	54.92
22 42 16 13-0067	EA		36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36).....	1,168.56	54.92
22 42 16 13-0068 Lavatory Carriers (22 42 16 13)					
22 42 16 13-0069 Floor Mounted, Lavatory Carriers (22 42 16 13-0068)					
22 42 16 13-0070 Floor Mounted Plate Type, Lavatory Carriers (22 42 16 13-0069)					
Note: Includes adjustable supporting rods, structural uprights and welded feet.					
22 42 16 13-0071	EA		Floor Mounted Hanger Plate Type, Single Lavatory Carrier.....	611.23	45.39
For Up To 4" Extension Sleeves And Hardware, Add				33.74	
For Valve Plate For Attaching To Upright, Add				116.69	
For Corner Carrier, Add				226.96	
22 42 16 13-0072	EA		Floor Mounted Bearing Plate Type, Single Lavatory Carrier.....	725.05	45.39
For Up To 4" Extension Sleeves And Hardware, Add				33.74	
For Valve Plate For Attaching To Upright, Add				116.69	
22 42 16 13-0073	EA		Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier.....	832.71	45.39
For Up To 4" Extension Sleeves And Hardware, Add				67.48	
For Valve Plate For Attaching To Upright, Add				233.37	
22 42 16 13-0074	EA		Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier.....	956.44	45.39
For Up To 4" Extension Sleeves And Hardware, Add				67.48	
For Valve Plate For Attaching To Upright, Add				233.37	
22 42 16 13-0075 Floor Mounted, Lavatory Carriers With Arms (22 42 16 13-0069)					
Note: Includes leveling and securing screws, structural uprights and welded feet.					
22 42 16 13-0076	EA		Floor Mounted, Single Lavatory Carrier With Concealed Arms.....	786.89	53.75
For Up To 6-1/2" Extension Sleeves And Hardware, Add				33.74	
For Concealed Arm Carrier For Wheelchair Lavatory, Add				46.60	
For Valve Plate For Attaching To Upright, Add				119.07	
For 2" Chrome Plated Escutcheons, Add				114.08	
For 4" Or 6" Chrome Plated Escutcheons, Add				207.28	
22 42 16 13-0077	EA		Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms.....	1,152.25	53.75
For Up To 4-1/2" Extension Sleeves And Hardware, Add				33.74	
For Vandal Proof Trim, Add				91.60	
For Valve Plate For Attaching To Upright, Add				119.07	
For Heavy-Duty Carrier, Add				117.29	
22 42 16 13-0078	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms.....	1,051.41	53.75
For Up To 6-1/2" Extension Sleeves And Hardware, Add				67.48	
For Concealed Arm Carrier For Wheelchair Lavatory, Add				93.21	
For Valve Plate For Attaching To Upright, Add				238.15	
For 2" Chrome Plated Escutcheons, Add				228.16	
For 4" Or 6" Chrome Plated Escutcheons, Add				414.56	
22 42 16 13-0079	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms.....	1,716.25	53.75
For Up To 4-1/2" Extension Sleeves And Hardware, Add				67.48	
For Vandal Proof Trim, Add				183.20	
For Valve Plate For Attaching To Upright, Add				238.15	
For Heavy-Duty Carrier, Add				234.59	

22 Plumbing
22 40 Plumbing Fixtures
22 42 Commercial Plumbing Fixtures

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 42 16 13-0080	Wall Mounted, Lavatory Carriers (22 42 16 13-0080)			
22 42 16 13-0081	Wall Mounted Plate Type, Lavatory Carriers (22 42 16 13-0080) Note: Includes wall plate and adjustable supporting rods.			
22 42 16 13-0082	EA Wall Mounted Hanger Plate Type, Single Lavatory Carrier.....	283.17		45.39
	For Double Plate Carrier, Add	88.26		
22 42 16 13-0083	Wall Mounted Plate Type, Lavatory Carriers With Arms (22 42 16 13-0080) Note: Includes wall plate and leveling and securing screws.			
22 42 16 13-0084	EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms.....	482.20		53.75
	For Up To 4" Extension Sleeves And Hardware, Add	33.74		
	For 2" Chrome Plated Escutcheons, Add	114.08		
22 42 16 13-0085	EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms.....	572.19		53.75
	For Movable Mounting Brackets, Deduct	-86.76		
	For Up To 4" Extension Sleeves And Hardware, Add	33.74		
	For 2" Chrome Plated Escutcheons, Add	114.08		
	For 4" Or 6" Chrome Plated Escutcheons, Add	207.28		
22 42 16 13-0086	EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms.....	850.17		53.75
	For Up To 4-1/2" Extension Sleeves And Hardware, Add	33.74		
	For Vandal Proof Trim, Add	91.60		
22 42 16 13-0087	Removal And Reinstallation Of Lavatory And Trim (22 42 16 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.			
22 42 16 13-0088	EA Removal And Reinstallation Of Wall Hung Lavatory With Faucet.....	351.30		
22 42 16 16	Commercial Sinks (22 42 16)			
22 42 16 16-0001	Sinks (22 42 16 16) Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.			
22 42 16 16-0002	Kitchen Sinks (22 42 16 16-0001)			
22 42 16 16-0003	EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	746.54		112.27
22 42 16 16-0004	EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	962.87		127.81
22 42 16 16-0005	EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517).....	939.36		109.89
	For 18 Gauge, Add	245.73		
22 42 16 16-0006	EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722).....	963.19		109.89
	For 18 Gauge, Add	257.64		
22 42 16 16-0007	EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222).....	1,016.78		109.89
	For 18 Gauge, Add	284.44		
22 42 16 16-0008	EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	1,066.84		112.27
	For 18 Gauge, Add	302.31		
22 42 16 16-0009	EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	1,346.68		127.81
	For 18 Gauge, Add	419.43		
22 42 16 16-0010	EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	1,375.47		127.81
	For 18 Gauge, Add	433.61		
22 42 16 16-0011	EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,325.47		109.89
22 42 16 16-0012	EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,352.27		109.89
22 42 16 16-0013	EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,419.77		109.89
22 42 16 16-0014	EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,512.50		112.27
22 42 16 16-0015	EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,832.05		127.81
22 42 16 16-0016	EA 33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	1,755.62		127.81
22 42 16 16-0017	Undermount Kitchen Sinks (22 42 16 16-0001)			
22 42 16 16-0018	EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	1,182.46		109.89
22 42 16 16-0019	EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	1,179.57		109.89
22 42 16 16-0020	EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	1,192.39		109.89
22 42 16 16-0021	EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	1,259.88		109.89
22 42 16 16-0022	EA 21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99).....	1,217.20		109.89
	Note: Available in 4-1/2", 5, or 5-1/2" depths.			
22 42 16 16-0023	EA 25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99).....	1,390.19		109.89
22 42 16 16-0024	EA 32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99).....	1,648.83		109.89
22 42 16 16-0025	EA 21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A).....	967.39		109.89
22 42 16 16-0026	EA 32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A).....	1,257.79		109.89
22 42 16 16-0027	Multi-Station Wash Sink, Wall Mounted (22 42 16 16-0001) Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.			
22 42 16 16-0028	EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	1,988.25		194.09
	Note: Excludes faucets.			
22 42 16 16-0029	EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,618.95		209.03
	Note: Excludes faucets.			
22 42 16 16-0030	EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,998.70		223.95
	Note: Excludes faucets.			
22 42 16 16-0031	EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,447.81		149.31
	Note: Excludes faucets.			

				Plumbing		22	22
				Plumbing Fixtures		22 40	
				Commercial Plumbing Fixtures		22 42	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT		DEMOLITION	
				UNIT COST		UNIT COST	
22 42 16 16-0032	EA		62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,719.96		164.23	
22 42 16 16-0033	EA		80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,986.79		179.16	
22 42 16 16-0034	EA		102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,318.15		201.56	
22 42 16 16-0035	EA		27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain Note: Includes sensor operated spray heads.	3,212.26		328.47	
22 42 16 16-0036			Utility Or Laundry Sinks (22 42 16 16-0001)				
22 42 16 16-0037	EA		23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	693.29		127.81	
22 42 16 16-0038	EA		40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	790.96		127.81	
22 42 16 16-0039	EA		22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	691.29		127.81	
22 42 16 16-0040	EA		24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	1,036.50		127.81	
22 42 16 16-0041	EA		48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,457.27		143.33	
22 42 16 16-0042			Refinish Sink/Lavatory (22 42 16 16-0001)				
22 42 16 16-0043	EA		Refinish Sink/Lavatory.....	271.63			
22 42 16 16-0044			Service Sinks (22 42 16 16-0001)				
22 42 16 16-0045	EA		22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	1,127.48		192.30	
22 42 16 16-0046	EA		24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	1,180.76		192.30	
22 42 16 16-0047	EA		28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,408.52		254.41	
22 42 16 16-0048	EA		12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	584.99		179.16	
22 42 16 16-0049	EA		24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	670.05		179.16	
22 42 16 16-0050	EA		36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	746.50		214.99	
22 42 16 16-0051	EA		24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	648.79		179.16	
22 42 16 16-0052	EA		36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	740.56		214.99	
22 42 16 16-0053	EA		24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24).....	1,039.34		179.16	
22 42 16 16-0054	EA		36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624).....	1,282.53		214.99	
22 42 16 16-0055	EA		33" x 33" x 10", Type 304 Stainless Steel, ADA Mop Sink (IMC Teddy FS-ADA).....	2,129.96		79.67	
22 42 16 16-0056			Stainless Steel Sink And Drainboard (22 42 16 16-0001)				
22 42 16 16-0057	EA		Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drain Board, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	4,458.06		298.60	
22 42 16 16-0058			Soapstone Sinks (22 42 16 16-0001)				
22 42 16 16-0059	EA		26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	1,134.50		109.89	
22 42 16 16-0060	SF		Soapstone Sink Backsplash	176.15			
22 42 16 16-0061	EA		30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,438.00		127.81	
22 42 16 16-0062	EA		36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,672.36		127.81	
22 42 16 16-0063			Classroom Sinks (22 42 16 16-0001)				
22 42 16 16-0064	EA		Note: Includes drain, trap and supply valves. 25" x 17" x 6-1/2", 20 Gauge Stainless Steel, Top Mounting Type, 15-34" x 14" x 6-3/8" Deep Single Bowl, Drop-In Classroom ADA Sink (Elkay CDKAD2517654)..... Note: Includes single manual handle faucet, gooseneck faucet and basket strainer (LKD208513LC, LK1141A, LK35)	932.80		109.89	
22 42 16 16-0065			Sink Carriers (22 42 16 16)				
22 42 16 16-0066			Floor Mounted, Sink Carriers (22 42 16 16-0065)				
22 42 16 16-0067	EA		Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	893.10		45.39	
			For Vandal Proof Trim, Add	91.60			
			For Valve Plate For Attaching To Upright, Add	116.69			
22 42 16 16-0068	EA		Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	1,528.46		45.39	
			For Vandal Proof Trim, Add	91.60			
			For Auxiliary Vent, Add	269.36			
22 42 16 16-0069	EA		Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms.....	1,920.55		45.39	
			For Up To 4" Extension Sleeves And Hardware, Add	69.09			
			For Vandal Proof Trim, Add	91.60			
22 42 16 16-0070			Removal And Reinstallation Of Sink And Trim (22 42 16 16)				
22 42 16 16-0071	EA		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture. Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	481.62			
22 42 19			Commercial Bathtubs (22 42)				

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 42 19 00-0001		Recessed Alcove Bathtubs (22 42 19)		
22 42 19 00-0002		Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,553.67	332.05
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,343.87	332.05
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,558.94	332.05
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	1,980.89	332.05
22 42 19 00-0007		Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	737.77	332.05
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	752.79	332.05
22 42 19 00-0010		Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	1,048.56	332.05
22 42 19 00-0012		Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)		
22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	1,104.06	332.05
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,258.61	332.05
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,282.07	332.05
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,267.65	332.05
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,319.52	332.05
22 42 19 00-0018		Bathtub Refinishing (22 42 19 00-0001)		
22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	689.10	
22 42 19 00-0020		Tub And Shower Combinations (22 42 19)		
22 42 19 00-0021		Acrylic Tub And Shower Combination (22 42 19 00-0020)		
22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	1,342.13	118.62
		For 2 Piece Enclosure, Deduct	-292.22	
22 42 19 00-0023		Fiberglass Tub And Shower Combination (22 42 19 00-0020)		
22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	889.29	118.62
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	697.60	79.08
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	1,403.89	179.03
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872).....	3,646.89	403.69
		For 2 Piece Enclosure, Deduct	-759.96	
22 42 23		Commercial Showers (22 42)		
22 42 23 00-0001		Shower Enclosures (22 42 23)		
		Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		Powder Coated Or Baked Enamel Steel Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,813.42	192.65
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,813.42	192.65
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	2,727.42	192.65
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	2,998.76	192.65
22 42 23 00-0007		Solid Plastic Core High-Density Polymer (HDP) Shower Enclosure (22 42 23 00-0001)		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,970.20	192.65
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,970.20	192.65
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	4,255.51	192.65
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	4,755.35	192.65
22 42 23 00-0012		Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down (22 42 23 00-0001)		
22 42 23 00-0013	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS).....	1,522.24	192.65
22 42 23 00-0014	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS).....	1,564.42	192.65
22 42 23 00-0015	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS).....	1,606.61	192.65
22 42 23 00-0016	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL).....	1,690.98	192.65
22 42 23 00-0017	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS).....	1,802.78	192.65
22 42 23 00-0018		1 Piece Shower Units (22 42 23)		
22 42 23 00-0019	EA	1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	1,293.77	118.62
22 42 23 00-0020	EA	1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	1,448.67	118.62
22 42 23 00-0021		Personnel Type Shower Receptors (22 42 23)		
22 42 23 00-0022		Acrylic Shower Receptors (22 42 23 00-0021)		
22 42 23 00-0023	EA	36" x 36" Acrylic Shower Receptor.....	478.79	48.65
22 42 23 00-0024	EA	42" x 42" Acrylic Shower Receptor.....	505.20	48.65
22 42 23 00-0025	EA	48" x 48" Acrylic Shower Receptor.....	557.93	48.65
22 42 23 00-0026	EA	60" x 60" Acrylic Shower Receptor.....	678.28	58.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 23 00-0027	EA		48" x 32" Acrylic Shower Receptor	480.03	48.65
22 42 23 00-0028	EA		48" x 36" Acrylic Shower Receptor	514.76	48.65
22 42 23 00-0029	EA		48" x 42" Acrylic Shower Receptor	579.37	48.65
22 42 23 00-0030	EA		60" x 30" Acrylic Shower Receptor	936.02	128.45
22 42 23 00-0031	EA		60" x 32" Acrylic Shower Receptor	645.41	58.38
22 42 23 00-0032	EA		60" x 36" Acrylic Shower Receptor	649.88	58.38
22 42 23 00-0033	EA		60" x 42" Acrylic Shower Receptor	653.98	58.38
22 42 23 00-0034	EA		60" x 48" Acrylic Shower Receptor	718.18	58.38
22 42 23 00-0035	EA		36" x 36" Acrylic Corner Shower Receptor	690.46	48.65
22 42 23 00-0036	EA		42" x 42" Acrylic Corner Shower Receptor	790.13	48.65
22 42 23 00-0037	EA		47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,276.42	122.03

22 42 23 00-0038 Molded Stone Shower Receptors (22 42 23 00-0021)

22 42 23 00-0039	EA		32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	325.23	48.65
22 42 23 00-0040	EA		34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	340.13	48.65
22 42 23 00-0041	EA		36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	341.79	48.65
22 42 23 00-0042	EA		42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	415.46	48.65
22 42 23 00-0043	EA		42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	370.76	48.65
22 42 23 00-0044	EA		48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	391.46	48.65
22 42 23 00-0045	EA		48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	393.94	48.65
22 42 23 00-0046	EA		54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	457.00	58.38
22 42 23 00-0047	EA		60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	472.73	58.38
22 42 23 00-0048	EA		36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	374.90	48.65
22 42 23 00-0049	EA		38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	384.01	48.65

22 42 23 00-0050 Precast Terrazzo Shower Receptors (22 42 23 00-0021)

22 42 23 00-0051	EA		30" x 30" Precast Terrazzo Shower Receptor	595.10	48.65
22 42 23 00-0052	EA		32" x 32" Precast Terrazzo Shower Receptor	617.45	48.65
22 42 23 00-0053	EA		34" x 34" Precast Terrazzo Shower Receptor	638.15	48.65
22 42 23 00-0054	EA		36" x 36" Precast Terrazzo Shower Receptor	640.63	48.65
22 42 23 00-0055	EA		40" x 40" Precast Terrazzo Shower Receptor	699.41	48.65
22 42 23 00-0056	EA		42" x 42" Precast Terrazzo Shower Receptor	729.21	48.65
22 42 23 00-0057	EA		48" x 48" Precast Terrazzo Shower Receptor	1,017.29	48.65
22 42 23 00-0058	EA		36" x 32" Precast Terrazzo Shower Receptor	633.18	48.65
22 42 23 00-0059	EA		42" x 32" Precast Terrazzo Shower Receptor	645.05	48.65
22 42 23 00-0060	EA		42" x 34" Precast Terrazzo Shower Receptor	666.29	48.65
22 42 23 00-0061	EA		42" x 36" Precast Terrazzo Shower Receptor	692.78	48.65
22 42 23 00-0062	EA		32" x 48" Precast Terrazzo Shower Receptor	695.27	48.65
22 42 23 00-0063	EA		48" x 34" Precast Terrazzo Shower Receptor	729.21	48.65
22 42 23 00-0064	EA		54" x 32" Precast Terrazzo Shower Receptor	763.15	48.65
22 42 23 00-0065	EA		60" x 30" Precast Terrazzo Shower Receptor	1,028.72	58.38
22 42 23 00-0066	EA		60" x 32" Precast Terrazzo Shower Receptor	1,122.65	58.38
22 42 23 00-0067	EA		60" x 34" Precast Terrazzo Shower Receptor	1,127.26	58.38
22 42 23 00-0068	EA		60" x 36" Precast Terrazzo Shower Receptor	1,131.84	58.38
22 42 23 00-0069	EA		32" x 32" Precast Terrazzo Corner Shower Receptor	643.94	48.65
22 42 23 00-0070	EA		34" x 34" Precast Terrazzo Corner Shower Receptor	645.05	48.65
22 42 23 00-0071	EA		36" x 36" Precast Terrazzo Corner Shower Receptor	647.25	48.65
22 42 23 00-0072	EA		40" x 40" Precast Terrazzo Corner Shower Receptor	772.25	48.65
22 42 23 00-0073	EA		36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,388.98	48.65
22 42 23 00-0074	EA		60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,548.07	58.38
22 42 23 00-0075	EA		60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,612.64	58.38

22 42 23 00-0076 Shower Receptors Accessories (22 42 23 00-0021)

22 42 23 00-0077	SF		Polyvinyl Chloride (PVC) Shower Pan Liner	4.19	
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22 42 23 00-0078 Removal And Reinstallation Of Fixtures And Trim (22 42 23)

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.					
22 42 23 00-0079	EA		Removal And Reinstallation Of Shower Head	58.38	

22 42 33 Wash Fountains (22 42)

22 42 33 00-0001 Circular Wash Fountain, Deep Bowl (22 42 33)

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.					
22 42 33 00-0002	EA		36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	9,738.11	192.21
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0003	EA		36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	5,039.57	192.21
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0004	EA		36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	8,669.01	192.21
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0005	EA		54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	12,411.48	219.66
			For Metal Soap Dispenser, Add	100.00	
			For Stainless Steel Pedestal Panels, Add	100.00	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,813.60	219.66
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	10,381.88	219.66
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl (22 42 33)

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	8,496.41	164.75
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,595.82	164.75
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,582.17	164.75
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	10,425.54	192.21
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,542.36	192.21
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,828.18	192.21
		For Metal Soap Dispenser, Add	100.00	
		For Stainless Steel Pedestal Panels, Add	100.00	

22 42 39 Commercial Faucets, Supplies, and Trim (22 42)**22 42 39 00-0001 Other Trim (22 42 39)**

22 42 39 00-0002	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330).....	21.43	6.49
22 42 39 00-0003	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	143.59	19.46
22 42 39 00-0004	EA	Deck Mount, Single Inlet Spout (Chicago Faucet 626-E3).....	264.10	75.24
22 42 39 00-0005	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 786 ABCP).....	663.52	75.24
22 42 39 00-0006	EA	Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102).....	67.98	17.92
22 42 39 00-0007	EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus).....	70.85	17.92
22 42 39 00-0008	EA	Lavatory Protective Enclosure (IPS Truebro Lav Shield).....	170.68	17.92
22 42 39 00-0009	EA	36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	207.60	17.92
22 42 39 00-0010	EA	42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	234.42	17.92
22 42 39 00-0011	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036).....	42.64	12.54
22 42 39 00-0012	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037).....	42.64	12.54
22 42 39 00-0013	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558).....	58.64	12.54
22 42 39 00-0014	PR	Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line.....	40.56	13.78
22 42 39 00-0015	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	25.22	8.11
22 42 39 00-0016	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	25.94	8.11

22 42 39 00-0017 Kitchen Faucets (22 42 39)

22 42 39 00-0018	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	231.87	59.72
22 42 39 00-0019	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	261.61	59.72
22 42 39 00-0020	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	222.15	59.72
22 42 39 00-0021	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST).....	249.94	59.72
22 42 39 00-0022	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	216.15	59.72
22 42 39 00-0023	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	237.11	59.72
22 42 39 00-0024	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	307.72	59.72
22 42 39 00-0025	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	219.11	59.72
22 42 39 00-0026	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	211.18	59.72
22 42 39 00-0027	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	249.95	59.72
22 42 39 00-0028	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	429.56	59.72
22 42 39 00-0029	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	471.20	59.72
22 42 39 00-0030	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	443.96	64.86
22 42 39 00-0031	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	441.93	64.86
22 42 39 00-0032	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	329.89	64.86
22 42 39 00-0033	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	761.88	59.72
22 42 39 00-0034	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	963.95	59.72
22 42 39 00-0035	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	1,031.31	59.72
22 42 39 00-0036	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	761.88	59.72
22 42 39 00-0037	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	963.95	59.72
22 42 39 00-0038	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	1,031.31	59.72

22 42 39 00-0039 Lavatory Faucets (22 42 39)					
22 42 39 00-0040	EA		Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	281.50	43.00
22 42 39 00-0041	EA		4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	195.47	43.00
22 42 39 00-0042	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	242.53	43.00
22 42 39 00-0043	EA		4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	266.00	43.00
22 42 39 00-0044	EA		Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	326.61	43.00
22 42 39 00-0045	EA		Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	380.44	43.00
22 42 39 00-0046	EA		Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	232.41	43.00
22 42 39 00-0047	EA		Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	353.58	43.00
22 42 39 00-0048	EA		Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	254.92	43.00
22 42 39 00-0049	EA		3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	260.82	43.00
22 42 39 00-0050	EA		3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	314.88	43.00
22 42 39 00-0051	EA		4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	308.49	43.00
22 42 39 00-0052	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104).....	252.10	43.00
22 42 39 00-0053	EA		8" Widespread, Chrome, Two Wrist Blade Handle Bar/Pantry Gooseneck Lavatory Faucet (Moen 8248).....	435.41	43.00
22 42 39 00-0054	EA		4", Chrome, Two Wrist Blade Handle Bar Gooseneck Lavatory Faucet (Moen 8938).....	257.71	43.00
22 42 39 00-0055	EA		Two Hole, Chrome, Single Handle Lavatory Faucet (Moen 8420).....	306.77	43.00
22 42 39 00-0056	EA		Single Hole, Chrome, Single Handle Lavatory Faucet (Moen 8417).....	408.82	43.00
22 42 39 00-0057	EA		8" Widespread, Chrome, Two Wrist Blade Handle Lavatory Gooseneck Lavatory Faucet With Drain Assembly (Moen 8246).....	524.45	43.00
22 42 39 00-0058 Bath And Shower Faucets (22 42 39)					
22 42 39 00-0059 Bath And Shower Faucets With Valve Body (22 42 39 00-0058)					
22 42 39 00-0060	EA		Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480.500).....	260.87	51.84
22 42 39 00-0061	EA		Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	305.26	51.84
22 42 39 00-0062	EA		Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	333.71	51.84
22 42 39 00-0063	EA		Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	241.53	51.84
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0064	EA		Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501).....	252.91	51.84
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0065	EA		Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502).....	285.91	51.84
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0066	EA		Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	323.47	51.84
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0067 Shower Valves And Trim (22 42 39)					
See CSI section 22 41 39 00-0011 for residential shower valves and heads.					
22 42 39 00-0068	EA		Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	423.81	80.63
22 42 39 00-0069	EA		Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	944.71	80.63
22 42 39 00-0070	EA		Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCIP).....	657.76	80.63
22 42 39 00-0071	EA		Senior Institutional Shower Head (Symmons® 4-150).....	253.76	51.84
22 42 39 00-0072	EA		Universal Institutional Shower Head (Symmons® 4-151).....	423.22	51.84
22 42 39 00-0073	EA		Fre-Flo Institutional Shower Head (Symmons® 4-295).....	298.37	51.84
22 42 39 00-0074	EA		Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	225.31	51.84
22 42 39 00-0075	EA		Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	944.94	77.64
22 42 39 00-0076	EA		Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	776.35	89.59
22 42 39 00-0077	EA		Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	1,023.66	89.59
22 42 39 00-0078	EA		Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	1,440.06	95.55
22 42 39 00-0079	EA		Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	1,308.47	80.63
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0080	EA		Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	1,555.43	80.63
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0081	EA		Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	1,059.51	80.63
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0082	EA		Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	1,598.85	80.63
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0083	EA		Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	1,715.11	80.63
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0084	EA		Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	3,163.16	80.63
			<i>For Recessed Soap Dish, Add</i>	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i>	227.79	

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
22 42 39 00-0085	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	2,763.29		80.63
		<i>For Recessed Soap Dish, Add</i>	83.94		
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63		
22 42 39 00-0086	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	1,387.66		80.63
22 42 39 00-0087	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	2,129.49		80.63
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07		
		<i>For Pressure Balance And Metering Combination, Add</i>	291.63		
22 42 39 00-0088	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	1,385.80		80.63
22 42 39 00-0089	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	1,381.70		80.63
		<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07		
22 42 39 00-0090	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	1,019.62		71.67
22 42 39 00-0091	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	787.87		51.84
22 42 39 00-0092 Service Sink Faucets (22 42 39)					
22 42 39 00-0093	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	561.76		99.43
22 42 39 00-0094	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235).....	403.11		99.43
22 42 39 00-0095	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243).....	433.83		99.43
22 42 39 00-0096	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	449.77		99.43
22 42 39 00-0097	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	588.02		139.39
22 42 39 00-0098	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110).....	658.84		158.86
22 42 39 00-0099	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	758.99		158.86
22 42 39 00-0100	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF).....	446.41		99.43
22 42 39 00-0101	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB).....	910.13		158.86
22 42 39 00-0102	EA	Wall Mounted Mixing Faucet With Integral Stop, Vacuum Breaker, And Wall Brass (Fiat 830-AA).....	399.69		99.43
22 42 39 00-0103	EA	30" Long, 5/8" Rubber Hose And Stainless Steel Hose Bracket (Fiat 832-AA).....	61.89		8.96
22 42 39 00-0104	EA	Stainless Steel Mop Hanger (Fiat 889-CC).....	136.18		11.95
22 42 39 00-0105	EA	1/2" Thermostatic Mixing Valve (Watts 1170-US/UT).....	437.95		158.86
22 42 39 00-0106 Laboratory Faucets And Fittings (22 42 39)					
22 42 39 00-0107	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	228.10		42.29
22 42 39 00-0108	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	372.88		59.72
22 42 39 00-0109	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	482.40		59.72
22 42 39 00-0110	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	297.59		55.77
22 42 39 00-0111	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	404.59		79.55
22 42 39 00-0112	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	547.38		79.55
22 42 39 00-0113	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946).....	437.70		59.72
22 42 39 00-0114	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942).....	430.54		79.55
22 42 39 00-0115	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	281.69		45.92
22 42 39 00-0116	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	396.86		64.86
22 42 39 00-0117	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802).....	306.37		64.86
22 42 39 00-0118	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP).....	373.53		64.86
22 42 39 00-0119	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP).....	98.42		39.89
22 42 39 00-0120	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	605.60		71.67
22 42 39 00-0121	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	778.11		71.67
22 42 39 00-0122	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP).....	935.28		71.67
22 42 39 00-0123	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	827.35		71.67
22 42 39 00-0124	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	984.73		71.67
22 42 39 00-0125	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA).....	168.01		39.42
22 42 39 00-0126	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA).....	235.18		47.30
22 42 39 00-0127	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA).....	235.18		47.30
22 42 39 00-0128	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA).....	302.35		55.18
22 42 39 00-0129	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA).....	369.52		63.06
22 42 39 00-0130 Laboratory Countertop Faucets (22 42 39)					
Note: Includes final connection. Excludes rough-in.					
22 42 39 00-0131	EA	6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L391).....	234.21		32.43
22 42 39 00-0132	EA	6" Gooseneck Deck Mount Hot And Cold Valve Faucet (Fisher Hamilton 32L406).....	317.85		32.43
22 42 39 00-0133	EA	Deionozed Water 6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L512).....	321.20		32.43
22 42 39 00-0134	EA	Turret Deck Mount Air Or Gas Valve (Fisher Hamilton 30L535).....	107.40		19.46

		Plumbing	22	22
		Plumbing Fixtures	22 40	
		Commercial Plumbing Fixtures	22 42	
MINOR	TOTAL DIRECT	DEMOLITION		
CSI UOM DESCRIPTION	UNIT COST	UNIT COST		

22 42 39 00-0135		Gooseneck Faucets With Independent Eyewash (22 42 39)		
22 42 39 00-0136	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	940.92	44.79
22 42 39 00-0137	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL).....	1,019.85	41.80
22 42 39 00-0138	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8).....	1,316.33	44.79
22 42 39 00-0139	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	1,390.23	44.79
22 42 39 00-0140	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,688.20	29.87
22 42 39 00-0141	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP).....	2,035.77	74.65
22 42 39 00-0142	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW).....	2,841.95	74.65
22 42 39 00-0143	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	2,936.00	74.65
22 42 39 00-0144	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101).....	369.93	45.40
22 42 39 00-0145	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200).....	408.40	45.40
22 42 39 00-0146	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201).....	442.01	45.40
22 42 39 00-0147	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600).....	1,996.42	29.87
22 42 39 00-0148		Bubblers And Glass Fillers (22 42 39)		
22 42 39 00-0149	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	401.09	42.29
22 42 39 00-0150	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	358.18	55.77
22 42 39 00-0151	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP).....	395.64	42.29
22 42 39 00-0152	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP).....	245.83	60.58
22 42 39 00-0153	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	469.36	45.92
22 42 39 00-0154	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF).....	475.62	45.92
22 42 39 00-0155	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427).....	396.52	45.92
22 42 39 00-0156		Automatic Electronic Sensor Faucets (22 42 39)		
22 42 39 00-0157	EA	Electronic Lavatory Faucet (American Standard 6055.205.002).....	734.29	99.61
		For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0158	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002).....	741.12	99.61
		For Faucet With Temperature Control, Add	40.00	
22 42 39 00-0159	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1).....	992.52	108.18
22 42 39 00-0160	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1).....	1,033.88	99.61
22 42 39 00-0161	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	1,533.27	108.18
22 42 39 00-0162	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT).....	1,918.06	108.18
22 42 39 00-0163	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,791.88	108.18
22 42 39 00-0164	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	1,251.99	99.61
22 42 39 00-0165	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100).....	1,082.36	99.61
22 42 39 00-0166	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101).....	1,143.21	99.61
22 42 39 00-0167	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102).....	991.08	99.61
22 42 39 00-0168	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100).....	1,143.21	99.61
22 42 39 00-0169	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102).....	999.55	99.61
22 42 39 00-0170	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100).....	999.55	99.61
22 42 39 00-0171	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101).....	1,124.66	99.61
22 42 39 00-0172	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102).....	954.74	99.61
22 42 39 00-0173	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103).....	916.35	99.61
22 42 39 00-0174	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60).....	1,497.95	99.61
22 42 39 00-0175	EA	Single Hole, Chrome, Sensor Operated, Battery Or A/C Powered Lavatory Faucet (Moen 8554AC).....	1,055.43	99.14
22 42 39 00-0176	EA	Single Hole, Chrome, Sensor Operated, Battery Powered Gooseneck Faucet (Moen CA8303).....	1,035.34	99.14
22 42 39 00-0177	EA	4", Chrome, Sensor Operated, Battery Powered Lavatory Faucet (Moen CA8301).....	963.51	99.14
22 42 39 00-0178	EA	Single Hole, Chrome, Sensor Operated, Battery Powered Lavatory Faucet (Moen CA8302).....	952.78	99.14
22 42 39 00-0179		Removal And Reinstallation Of Fixtures And Trim (22 42 39)		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0180	EA	Removal And Reinstallation Of Faucet.....	103.77	
22 42 43		Flushometers (22 42)		
22 42 43 00-0001		Water Closet Flush Valves (22 42 43)		
22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL).....	339.61	40.73
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	328.89	40.73
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	382.71	40.73
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140).....	528.26	40.73
22 42 43 00-0006	EA	Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142).....	588.74	40.73
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	1,085.31	40.73
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	1,084.33	40.73
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	1,145.34	40.73
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	1,063.43	40.73
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan UpperCut WES-115).....	466.56	40.73
		Note: "Green", 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110).....	846.30	40.73
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A).....	461.57	40.73
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X).....	459.35	40.73
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A).....	465.87	35.83
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	506.98	35.83

22 Plumbing**22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 42 43 00-0017	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan Royal Optima 110 Smooth).....	723.57	40.73
22 42 43 00-0018	EA	Automatic Water Closet And Urinal Cleaning System	464.34	59.72
22 42 43 00-0019	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN).....	1,101.08	40.73
22 42 43 00-0020	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	1,207.40	40.73
22 42 43 00-0021	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,536.23	40.73
22 42 43 00-0022	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,536.23	40.73
22 42 43 00-0023	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	995.02	40.73
22 42 43 00-0024	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	986.65	40.73
22 42 43 00-0025	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	488.95	35.83
22 42 43 00-0026	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	151.11	6.49
22 42 43 00-0027	EA	Exposed Battery Powered Water Closet Flush Valve (Moen 8310DF16).....	905.24	40.61
22 42 43 00-0028	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	570.70	40.73
22 42 43 00-0029	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET).....	365.77	40.73
22 42 43 00-0030	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET).....	1,011.36	40.73

22 42 43 00-0031 Urinal Flush Valves (22 42 43)

22 42 43 00-0032	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL)	288.07	40.73
		Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0033	EA	1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180).....	310.63	40.73
		Note: 1.0, 1.5 or 3.5 GPF.		
22 42 43 00-0034	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195).....	418.39	40.73
		Note: 1.0 or 1.5 GPF.		
22 42 43 00-0035	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197).....	507.16	40.73
		Note: 1.0 or 1.5 GPF.		
22 42 43 00-0036	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S)	799.78	40.73
		Note: 1.0 or 1.5 GPF.		
22 42 43 00-0037	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S).....	1,076.01	40.73
		Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0038	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S).....	1,207.58	40.73
		Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0039	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1).....	786.58	40.73
		Note: 1.0 GPF.		
22 42 43 00-0040	EA	Foot Operated Flush Valve	889.04	40.73
		Note: Can be used for water closets.		
22 42 43 00-0041	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....	1,200.55	40.73
		Note: 0.5 GPF.		
22 42 43 00-0042	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13)	510.98	40.73
		Note: 0.13 GPF.		
22 42 43 00-0043	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF).....	330.41	40.73
		Note: 0.125 GPF.		
22 42 43 00-0044	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF)	848.59	40.73
		Note: 0.125 GPF.		
22 42 43 00-0045	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS).....	854.48	40.73
		Note: 0.125 GPF.		

22 42 43 00-0046 Removal And Reinstallation Of Fixtures And Trim (22 42 43)

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 43 00-0047	EA	Removal And Reinstallation Of Flush Valve	162.15	
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22 42 43 00-0048 Plumbing Control Transformers (22 42 43)

22 42 43 00-0049	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6).....	69.14	
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22 42 46 Chemical Toilets (22 42)

Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.

22 42 46 00-0001 Standard Chemical Toilets (22 42 46)**22 42 46 00-0002 Small Tank Chemical Toilets** (22 42 46 00-0001)

22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year.....	4,942.46	1,194.40
		For Extra Urinal, Add	159.81	

22 42 46 00-0004 Medium Tank Chemical Toilets (22 42 46 00-0001)

22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year.....	5,874.47	1,422.55
		For Extra Urinal, Add	189.31	

22 42 46 00-0006 Large Tank Chemical Toilets (22 42 46 00-0001)

22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	7,042.65	1,613.64
		For Extra Urinal, Add	252.81	

22 43 Healthcare Plumbing Fixtures (22 40)**22 43 13 Healthcare Water Closets** (22 43)**22 43 13 00-0001 Healthcare Water Closets** (22 43 13)

22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA).....	874.00	124.22
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	726.78	124.22
22 43 13 00-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Huron).....	870.93	124.22

			Plumbing	22	22
			Plumbing Fixtures	22 40	
			Healthcare Plumbing Fixtures	22 43	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 43 13 00-0005	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard AFWall ADA).....	1,292.82	152.89
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22 43 16 Healthcare Sinks (22 43)

22 43 16 00-0001 Healthcare Sinks (22 43 16)

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,231.66	80.02
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	1,342.91	229.92
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard).....	1,183.85	80.02
For Painted Bracket Supports, Add			31.85	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	1,040.41	80.02

22 43 16 00-0006 Surgical Scrub Sinks (22 43 16)

22 43 16 00-0007	EA	25" Wide x 20" Deep x 43" High Single Surgical Scrub Sink (FHCSS25-IR).....	5,450.06	179.16
Note: Features infra red sensor operated water, under counter mixing valve, swivel gooseneck spout with aerator. Unit will be supported by a z-bracket and main support bracket supplied with the sink.				
22 43 16 00-0008	EA	32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32)	8,353.14	238.88
Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support.				
22 43 16 00-0009	EA	32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32-IR).....	8,353.14	238.88
Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support.				
22 43 16 00-0010	EA	64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64)	11,024.25	298.60
Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support.				
22 43 16 00-0011	EA	64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64-IR)	11,024.25	298.60
Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support.				
22 43 16 00-0012	EA	96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96)	14,391.27	358.32
Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support.				
22 43 16 00-0013	EA	96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96-IR).....	14,391.27	358.32
Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support.				
22 43 16 00-0014	EA	Single Chair Carrier (FHC P-617106-846).....	585.11	89.59
22 43 16 00-0015	EA	Double Chair Carrier (FHC P-617106-851)	620.25	95.55
22 43 16 00-0016	EA	Triple Chair Carrier (FHC P-617106-852)	678.59	101.52
22 43 16 00-0017	EA	60" Wide x 23" Deep x 38-1/4" High, 2.2 GPM, Laminar Flow Spray Head, Chrome Color Finish, Wall Mounted, Stainless Steel Scrub Sink (Sloan ESS-2100-C).....	13,246.90	119.44

22 43 23 Healthcare Showers (22 43)

22 43 23 00-0001 Gel-Coated Fiberglass Showers (22 43 23)

22 43 23 00-0002	EA	62" x 34" x 80" ADA/Special Needs, Gel Coat Fiberglass Barrier Free Shower Enclosure (Florestone 35-62H)	3,220.69	238.88
Note: Includes stainless steel curtain rod, Symmons® pressure balance mixing valve with concealed check stops, Moen® hand-held shower head with hose and stainless steel slide bar/grab bar, stainless steel corner grab bar, stainless steel recessed soap dish, white naugahyde folding wheelchair transfer seat, and 2" brass drain.				
22 43 23 00-0003	EA	Three Piece 62" x 34" x 80" ADA/Special Needs, Gel Coat Fiberglass Barrier Free Shower Enclosure (Florestone 35-62H)	3,344.46	214.99
Note: Includes stainless steel curtain rod, Symmons® pressure balance mixing valve with concealed check stops, Moen® hand-held shower head with hose and stainless steel slide bar/grab bar, stainless steel corner grab bar, stainless steel recessed soap dish, white naugahyde folding wheelchair transfer seat, and 2" brass drain.				

22 43 39 Healthcare Faucets (22 43)

22 43 39 00-0001 Medical Faucet Spouts (22 43 39)

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	105.08	17.92
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22 43 39 00-0003 Centerset Medical Faucets (22 43 39)

22 43 39 00-0004	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	625.76	87.67
22 43 39 00-0005	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	632.87	87.67
22 43 39 00-0006	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	632.15	87.67
22 43 39 00-0007	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	564.59	87.67
22 43 39 00-0008	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	540.40	87.67

22 Plumbing**22 40 Plumbing Fixtures****22 43 Healthcare Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 43 39 00-0009		Electronic Proximity Medical Faucets (22 43 39)			
22 43 39 00-0010	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU).....	590.69	87.67	
22 43 39 00-0011		Bedpan Washers (22 43 39)			
22 43 39 00-0012	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	1,484.75	159.33	
22 43 39 00-0013	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	1,410.28	159.33	
22 43 39 00-0014	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	1,388.22	159.33	
22 43 39 00-0015	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	1,366.77	159.33	
22 43 39 00-0016		Foot And Knee Faucet Controls (22 43 39)			
22 43 39 00-0017	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628).....	462.67	159.33	
22 43 39 00-0018	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625).....	541.20	159.33	
22 43 39 00-0019	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,146.49	159.33	

22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)

22 43 43 00-0001		Healthcare Plumbing Fixture Flushometers (22 43 43)			
22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	240.53	40.73	
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	519.55	40.73	

22 43 46 Healthcare Patient Care Units (22 43)

22 43 46 00-0001		Patient Care Units (22 43 46)			
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	20,454.92	238.88	
		For SDB Single Temperature Dialysis Box, Add	1,493.89		
		For DDB Dual Temperature Dialysis Box, Add	1,586.67		
		For BWSEV Bedpan Washer With Elevated Valve, Add	1,162.35		
		For LOCK Flush Valve Lockout Device, Add	842.05		
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	16,118.26	209.03	
		For SDB Single Temperature Dialysis Box, Add	1,493.89		
		For DDB Dual Temperature Dialysis Box, Add	1,586.67		
		For BWSEV Bedpan Washer With Elevated Valve, Add	1,162.35		
		For LOCK Flush Valve Lockout Device, Add	842.05		

22 43 46 00-0004 Patient Care Plumbing Accessories (22 43 46)

22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920).....	1,949.43	32.43	
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919).....	2,147.53	32.43	

22 45 Emergency Plumbing Fixtures (22 40)**22 45 13 Emergency Showers** (22 45)

22 45 13 00-0001		Emergency Drench Showers (22 45 13)			
22 45 13 00-0002		Emergency Drench Showers (Haws) (22 45 13 00-0001)			
		Note: Includes one pull rod.			
22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	778.11	209.03	
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	889.86	209.03	
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	951.94	209.03	
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	1,138.18	209.03	
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H).....	1,523.09	209.03	
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	1,210.32	238.88	
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP).....	1,325.91	268.75	
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169).....	1,207.96	268.75	
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	1,232.79	268.75	
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,698.40	268.75	
22 45 13 00-0013		Emergency Drench Showers (Speakman) (22 45 13 00-0001)			
		Note: Includes one pull rod.			
22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220).....	677.09	209.03	
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227).....	696.44	209.03	
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	1,080.78	238.88	

22 45 13 00-0017	Emergency Drench Showers (WaterSaver) (22 45 13 00-0001) Note: Includes one pull rod.				
22 45 13 00-0018	EA		Emergency Shower, Vertically Mounted (WaterSaver ES635).....	979.02	209.03
22 45 13 00-0019	EA		Emergency Shower, Horizontally Mounted (WaterSaver ES643).....	1,003.55	209.03
22 45 13 00-0020	EA		All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691).....	2,204.92	209.03
22 45 13 00-0021	EA		Emergency Shower, Recess Mounted (WaterSaver ES629).....	1,568.94	268.75
22 45 13 00-0022	EA		Emergency Shower, Semi-Concealed (WaterSaver ES658).....	2,124.00	268.75

22 45 13 00-0023	Emergency Drench Showers (Guardian) (22 45 13 00-0001)				
22 45 13 00-0024	EA		11-3/4" Bowl Diameter, 20 GPM, 2 Spray Heads, Height Impact Plastic, Flip Top Dust Covers, Pull Handle Activator, Emergency Wash Station Drench Shower (Guardian G1902P).....	1,272.79	238.88

22 45 13 00-0025	Emergency Drench Showers (Hughes) (22 45 13 00-0001)				
22 45 13 00-0026	EA		41-5/16" Length x 40-13/16" Width x 94-13/16" Height, Covered ABS Eye/Face Wash, Emergency Cubicle Shower (Hughes SD32K45G).....	10,321.62	238.88
22 45 13 00-0027	EA		30-13/16" Length x 19-13/16" Width x 103" Height, Floor Mounted, Closed ABS Bowl, Galvanized Pipe, Top Inlet, Floor Mounted, Emergency Shower Station (Hughes 18G45GT).....	1,714.27	238.88

22 45 16 Eyewash Equipment (22 45)

22 45 16 00-0001	Emergency Eyewash Equipment (22 45 16)				
22 45 16 00-0002	Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)				
22 45 16 00-0003	EA		Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	334.77	5.97
22 45 16 00-0004	EA		Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,599.07	268.75

22 45 16 00-0005	Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)				
22 45 16 00-0006	EA		Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805).....	1,003.40	59.72
22 45 16 00-0007	EA		Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH).....	1,003.40	59.72
22 45 16 00-0008	EA		Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806).....	1,021.99	59.72
22 45 16 00-0009	EA		Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH).....	1,021.99	59.72
22 45 16 00-0010	EA		Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822).....	1,363.22	59.72
22 45 16 00-0011	EA		Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848).....	1,555.46	59.72
22 45 16 00-0012	EA		Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849).....	1,555.46	59.72
22 45 16 00-0013	EA		Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893).....	2,896.19	59.72
22 45 16 00-0014	EA		Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH).....	2,896.19	59.72
22 45 16 00-0015	EA		Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895).....	3,031.45	59.72
22 45 16 00-0016	EA		Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH).....	3,031.45	59.72
22 45 16 00-0017	EA		Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898).....	3,743.24	59.72
22 45 16 00-0018	EA		Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899).....	3,743.24	59.72
22 45 16 00-0019	EA		Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808).....	1,820.62	209.03
22 45 16 00-0020	EA		Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810).....	1,794.39	209.03
22 45 16 00-0021	EA		Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814).....	1,277.27	209.03
22 45 16 00-0022	EA		Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC).....	1,822.61	209.03
22 45 16 00-0023	EA		Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P).....	1,082.57	209.03

22 45 16 00-0024	Emergency Eyewash Equipment (Fendall) (22 45 16 00-0001)				
22 45 16 00-0025	EA		7 Gallon Capacity, 15-minute Constant Flow, Plastic, Mounted Eyewash Station (Fendall H-3838).....	700.99	64.86
Note: Includes emergency sign, installation DVD, mounting bracket and tamper seal					

22 45 16 00-0026	Emergency Eyewash Equipment (Porta Stream) (22 45 16 00-0001)				
22 45 16 00-0027	EA		26" Height x 20" Width x 20" Depth, 16 Gallon Capacity, Eyewash Station (Porta Stream II H-1142).....	519.30	43.19

22 45 16 00-0028	Emergency Eyewash Equipment (Pure Flow) (22 45 16 00-0001)				
22 45 16 00-0029	EA		30" Height x 29" Width x 23" Depth, 0.4 GPM Constant Flow, 7 Gallon Capacity, Eyewash Station (Pure Flow 1000 H-1297).....	673.78	64.86

22 45 16 00-0030	Emergency Eyewash Equipment (U-Line) (22 45 16 00-0001)				
22 45 16 00-0031	EA		11-1/2" Bowl Diameter, Twin Spray Heads, Flip-top Dust Covers, Plastic, Mounted Eyewash Station (U-Line H-5457).....	777.31	259.43
Note: Includes emergency sign and inspection tag					
22 45 16 00-0032	EA		11-1/2" Bowl Diameter, Twin Spray Heads, Flip-top Dust Covers, Stainless Steel, Mounted Eyewash Station (U-Line H-5795).....	871.29	259.43
Note: Includes emergency sign and inspection tag					
22 45 16 00-0033	EA		20" Height x 11" Width x 14" Depth, 3-minute Constant Flow, 1 Gallon Capacity, Pull Strap Activation, Wall Mounted Or Tabletop Use Flash Flood Eyewash Station (U-Line H-7917).....	270.76	43.19
22 45 16 00-0034	EA		1" Head Diameter, Single Faucet With Easy Pull-knob, Faucet Mounted Eyewash Station (U-Line H-5100).....	152.00	21.66

22 45 23 Personal Eyewash Equipment (22 45)

22 45 23 00-0001	Portable Eyewash Equipment (22 45 23)				
22 45 23 00-0002	Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)				
22 45 23 00-0003	EA		Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921).....	344.70	17.92

22 Plumbing**22 40 Plumbing Fixtures****22 45 Emergency Plumbing Fixtures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 45 23 00-0004	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H)	1,808.80	17.92
22 45 23 00-0005	EA	5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671)	825.25	
22 45 23 00-0006	EA	5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672)	984.45	

22 45 26 Eye/Face Wash Equipment (22 45)**22 45 26 00-0001 Emergency Eye/Face Wash Equipment (22 45 26)****22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)**

22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460)	838.71	149.31
Note: Excludes p-trap and tailpiece.				
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	846.40	209.03
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B)	827.78	209.03
Note: Excludes p-trap and tailpiece.				
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT)	901.03	209.03
Note: Excludes p-trap and tailpiece.				
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B)	908.48	209.03
Note: Excludes p-trap and tailpiece.				
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT)	996.64	209.03
Note: Excludes p-trap and tailpiece.				
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	1,349.26	209.03
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	2,528.80	209.03
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	1,036.49	238.88
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	1,179.28	238.88
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,619.56	238.88
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	696.80	59.72
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	671.96	59.72
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	703.00	59.72
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	883.04	59.72
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	2,161.65	298.60
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	2,607.15	238.88
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	2,683.13	298.60
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	3,141.05	238.88

22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)

22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	757.71	209.03
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	926.00	238.88

22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) (22 45 26 00-0001)

22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	1,619.49	209.03
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	2,164.83	209.03
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	2,095.50	209.03
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,930.07	209.03
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	1,057.52	59.72
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	1,057.52	59.72
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	1,025.25	59.72
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	1,025.25	59.72
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,579.71	59.72
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	1,579.71	59.72

22 45 26 00-0036 Emergency Eye/Face Wash Equipment (Guardian) (22 45 26 00-0001)

Note: Includes one pull rod.

22 45 26 00-0037	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	5,763.46	209.03
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22 45 29 Hand-Held Emergency Drench Hoses (22 45)**22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)****22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)**

22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	745.29	74.65
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		Plumbing	22	22
		Plumbing Fixtures	22 40	
		Emergency Plumbing Fixtures	22 45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 45 29 00-0004	EA		Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	857.04	74.65
22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) (22 45 29 00-0001)					
22 45 29 00-0006	EA		Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	799.67	74.65
22 45 29 00-0007	EA		Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....	734.91	74.65
22 45 29 00-0008	EA		Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	1,115.97	74.65
22 45 29 00-0009	EA		Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	1,043.90	74.65
22 45 29 00-0010	EA		Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	1,069.71	74.65
22 45 29 00-0011	EA		Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	1,409.52	74.65
22 45 29 00-0012	EA		Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	1,635.53	74.65
22 45 29 00-0013	EA		Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,558.89	74.65
22 45 33 Combination Emergency Fixture Units (22 45)					
22 45 33 00-0001			Emergency Shower With Eye/Face Wash (22 45 33)		
22 45 33 00-0002			Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)		
22 45 33 00-0003	EA		Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	4,408.11	388.19
22 45 33 00-0004	EA		Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP)	2,992.66	388.19
			Note: Includes freeze protection bury valve.		
22 45 33 00-0005	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	2,092.48	388.19
22 45 33 00-0006	EA		Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	3,315.48	388.19
22 45 33 00-0007	EA		Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,440.14	388.19
22 45 33 00-0008	EA		Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,297.35	388.19
22 45 33 00-0009	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,968.32	388.19
22 45 33 00-0010	EA		Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	3,203.74	388.19
22 45 33 00-0011	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	3,507.94	388.19
22 45 33 00-0012	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....	3,576.22	388.19
22 45 33 00-0013	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	3,992.17	388.19
22 45 33 00-0014	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD).....	4,234.29	388.19
22 45 33 00-0015	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW).....	4,166.00	388.19
22 45 33 00-0016	EA		Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	6,214.68	388.19
22 45 33 00-0017	EA		Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	6,549.92	388.19
22 45 33 00-0018	EA		Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	13,813.42	388.19
22 45 33 00-0019	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,968.32	388.19
22 45 33 00-0020	EA		Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	2,222.85	388.19
22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)					
22 45 33 00-0022	EA		Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,822.12	388.19
22 45 33 00-0023	EA		3.18 GPM, 1-1/4" IPS Galvanized Steel Piping, Durajade Powder-Coat, Yellow Bowl Color, ADA compliant, Push-handle Activated, Pull-rod Shower, Brass Fittings, Floor Mounted, Combination Emergency Station (Speakman SE-697)	1,213.48	238.88
22 45 33 00-0024 Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)					
22 45 33 00-0025	EA		All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	7,402.18	324.30
22 45 33 00-0026	EA		Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC).....	7,566.54	324.30
22 45 33 00-0027	EA		Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	2,934.68	324.30
22 45 33 00-0028	EA		Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	2,678.99	324.30
22 45 33 00-0029	EA		Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC).....	3,480.02	324.30
22 45 33 00-0030			Emergency Shower With Eye/Face Wash (Guardian) (22 45 33 00-0001)		

22 Plumbing
22 40 Plumbing Fixtures
22 45 Emergency Plumbing Fixtures

MINOR			TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION			UNIT COST		UNIT COST	
22 45 33 00-0031	EA	Emergency Eye Wash Station With Plastic Bowl And Shower Head (Guardian H-5101)	1,415.35		259.43	
22 45 33 00-0032	EA	Emergency Eye Wash Station With Stainless Steel Bowl And Shower Head (Guardian H-6618)	2,806.42		259.43	
22 45 33 00-0033	EA	Emergency Eye Wash Station With Plastic Bowl And Shower Head (U-Line H-6697)	1,198.96		259.43	
22 45 33 00-0034		Emergency Shower With Eye/Face Wash (Hughes) (22 45 33 00-0001)				
22 45 33 00-0035	EA	120 Volt, 35-13/64" Length x 14-45/64" Width x 104-1/2" Height, Freeze Protected, ABS Bowl, Floor Mounted, Emergency Shower Station (Hughes H5G45G-1H)	3,787.90		238.88	
22 45 33 00-0036	EA	29-1/2" Length x 12-13/32" Width x 103" Height, Open ABS Bowl, Galvanized Pipe, Floor Mounted, Emergency Combination Shower (Hughes 18G75G)	1,458.31		238.88	
22 45 36		Emergency Fixture Water-Tempering Equipment (22 45)				
22 45 36 00-0001		Emergency Fixture Water-Tempering Equipment (22 45 36)				
22 45 36 00-0002		Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)				
22 45 36 00-0003	EA	10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EV)	788.75		74.65	
22 45 36 00-0004	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	1,155.03		74.65	
22 45 36 00-0005	EA	31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,695.13		74.65	
22 45 36 00-0006	EA	78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,999.33		74.65	
22 45 36 00-0007	EA	31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,831.22		74.65	
22 45 36 00-0008	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,986.42		74.65	
22 45 36 00-0009	EA	74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	5,016.48		74.65	
22 45 36 00-0010	EA	78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	6,028.40		74.65	
22 45 36 00-0011	EA	1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	881.87		74.65	
22 45 39		Emergency Plumbing Fixture Accessories (22 45)				
22 45 39 00-0001		Emergency Plumbing Fixture Accessories (22 45 39)				
22 45 39 00-0002		Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)				
22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	202.97		23.89	
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	283.68		23.89	
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	296.09		23.89	
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	328.33		8.96	
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	334.77		5.97	
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	365.34		11.95	
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	644.77		89.59	
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTXP)	661.47		38.96	
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	984.30		38.96	
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	1,155.03		89.59	
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTXP)	2,194.88		38.96	
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	2,432.55		129.86	
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	2,482.22		129.86	
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	4,605.40		129.86	
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	8,764.84		129.86	
22 45 39 00-0018		Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)				
22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers	1,157.57		89.59	
		Note: Curtain includes stainless steel curtain rod and mounting accessories.				
22 45 39 00-0020		Emergency Plumbing Fixture Accessories (WaterSaver) (22 45 39 00-0001)				
22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	211.97		19.46	
22 45 39 00-0022		Emergency Plumbing Fixture Accessories (U-Liner) (22 45 39 00-0001)				
22 45 39 00-0023	EA	58" Height x 29" Width x 20" Depth, Portable Eyewash Stand (U-Line H-5193)	179.57		16.22	
		Note: Includes eyewash station bolts to stand				
22 45 39 00-0024	EA	12" Height x 18" Width, Aluminum, Corrosion Resistant With Engineer-grade Reflective Surface, Eyewash Sign (U-Line S-17343A)	69.53		16.22	
22 45 39 00-0025	EA	7" Height x 10" Width, 0.055" Thick HDPE, Plastic, Eyewash Sign (U-Line S-17343P)	41.78		10.37	
		Note: Includes pre-drilled mounting holes and 4 strips of double-sided mounting tape				
22 45 39 00-0026	EA	7" Height x 10" Width, Vinyl, Eyewash Sign (U-Line S-17343V)	33.13		10.37	
		Note: Includes 4 mil flexible vinyl with adhesive backing				
22 47		Drinking Fountains and Water Coolers (22 40)				
22 47 13		Drinking Fountains (22 47)				
22 47 13 00-0001		Indoor Drinking Fountains (22 47 13)				

			Plumbing	22	22
			Plumbing Fixtures	22 40	
			Drinking Fountains and Water Coolers	22 47	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 47 13 00-0002			Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0003	EA		Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S).....	2,521.50	194.09
22 47 13 00-0004	EA		Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP).....	3,709.03	209.03
22 47 13 00-0005	EA		Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E).....	3,353.66	194.09
22 47 13 00-0006	EA		Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP).....	4,008.73	209.03
22 47 13 00-0007	EA		Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS).....	1,657.91	194.09
22 47 13 00-0008	EA		Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP).....	1,993.98	209.03
22 47 13 00-0009	EA		Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE).....	1,888.13	194.09
22 47 13 00-0010	EA		Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP).....	2,305.16	209.03
22 47 13 00-0011			Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0012	EA		Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	1,702.20	209.03
22 47 13 00-0013	EA		Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	2,666.52	209.03
22 47 13 00-0014	EA		Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF).....	3,378.07	268.75
22 47 13 00-0015	EA		Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK).....	3,618.31	268.75
22 47 13 00-0016	EA		Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK).....	3,116.59	268.75
22 47 13 00-0017	EA		Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP).....	2,840.09	268.75
22 47 13 00-0018	EA		Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK).....	3,188.28	209.03
22 47 13 00-0019	EA		Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK).....	3,080.77	209.03
22 47 13 00-0020	EA		Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK).....	2,949.37	209.03
22 47 13 00-0021	EA		Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK).....	2,829.91	209.03
22 47 13 00-0022	EA		Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK).....	2,579.04	209.03
22 47 13 00-0023	EA		Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK).....	2,471.53	209.03
22 47 13 00-0024	EA		Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK).....	2,352.07	209.03
22 47 13 00-0025	EA		Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK).....	2,352.07	209.03
22 47 13 00-0026	EA		Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK).....	2,244.56	209.03
22 47 13 00-0027	EA		Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK).....	2,244.56	209.03
22 47 13 00-0028	EA		Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMA8F8WSSK).....	2,196.78	209.03
22 47 13 00-0029	EA		Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WVRSK).....	2,196.78	209.03
22 47 13 00-0030	EA		Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK).....	2,089.26	209.03
22 47 13 00-0031	EA		Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK).....	2,029.54	209.03
22 47 13 00-0032	EA		Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP).....	1,945.91	209.03
22 47 13 00-0033	EA		Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK).....	1,910.08	209.03
22 47 13 00-0034	EA		Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK).....	1,790.62	209.03
22 47 13 00-0035	EA		Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK).....	2,029.54	209.03
22 47 13 00-0036	EA		Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK).....	1,790.62	209.03
22 47 13 00-0037	EA		Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK).....	1,895.91	209.03
22 47 13 00-0038	EA		Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP).....	1,898.13	209.03
22 47 13 00-0039	EA		Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM).....	1,563.67	149.31
22 47 13 00-0040	EA		Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF).....	1,181.40	149.31
22 47 13 00-0041			Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0042	EA		Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801).....	2,314.76	223.95
22 47 13 00-0043	EA		Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C).....	5,093.37	223.95
22 47 13 00-0044			Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)		
22 47 13 00-0045	EA		Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	2,476.24	238.88
22 47 13 00-0046	EA		Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	4,607.95	238.88

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 47 13 00-0047		Countertop Indoor Drinking Fountain (22 47 13 00-0001)			
22 47 13 00-0048	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	1,003.28	149.31	
22 47 13 00-0049	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	963.15	149.31	
22 47 13 00-0050	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	1,183.07	149.31	
22 47 13 00-0051		Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)			
22 47 13 00-0052	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	836.34	149.31	
22 47 13 00-0053	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	1,022.76	149.31	
22 47 13 00-0054		Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)			
22 47 13 00-0055	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	4,792.54	238.88	
22 47 13 00-0056	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	6,057.38	238.88	
22 47 13 00-0057	EA	Two Station, Marble, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	4,566.04	238.88	
22 47 13 00-0058	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	3,832.63	238.88	
22 47 13 00-0059	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	4,856.75	238.88	
22 47 13 00-0060	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	4,182.55	304.72	
22 47 13 00-0061	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	5,612.32	238.88	
22 47 13 00-0062	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	5,513.39	238.88	
22 47 13 00-0063		Outdoor Drinking Fountains (22 47 13)			
22 47 13 00-0064		Face Mounted Outdoor Drinking Fountains (22 47 13 00-0063)			
22 47 13 00-0065	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	2,146.91	238.88	
22 47 13 00-0066	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	2,364.88	238.88	
22 47 13 00-0067	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	2,270.24	238.88	
22 47 13 00-0068	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	3,385.87	238.88	
22 47 13 00-0069		Free Standing Outdoor Drinking Fountains (22 47 13 00-0063)			
22 47 13 00-0070	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	4,190.57	223.95	
22 47 13 00-0071	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	5,929.99	223.95	
22 47 13 00-0072	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	4,184.79	223.95	
22 47 13 00-0073	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	5,818.89	223.95	
22 47 13 00-0074	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	6,273.91	238.88	
22 47 13 00-0075	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	6,390.06	238.88	
22 47 13 00-0076	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	2,309.19	223.95	
22 47 13 00-0077	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	4,064.38	223.95	
22 47 13 00-0078	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	5,803.80	223.95	
22 47 13 00-0079	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	6,843.20	238.88	
22 47 13 00-0080	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	9,650.94	238.88	
22 47 16		Pressure Water Coolers (22 47)			
22 47 16 00-0001		Indoor Water Coolers (22 47 16)			
22 47 16 00-0002		Face Mounted Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	4,815.55	238.88	
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	5,149.67	238.88	
22 47 16 00-0005		Wall Mounted Indoor Water Coolers (22 47 16 00-0001)			
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	2,227.22	238.88	
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	2,313.26	238.88	
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	2,582.84	238.88	
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,686.09	238.88	
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,957.63	238.88	
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	2,287.44	238.88	
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,772.64	238.88	
22 47 16 00-0013	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	2,993.80	358.32	
22 47 16 00-0014	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	2,729.58	238.88	

22 47 16 00-0015 Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)					
22 47 16 00-0016	EA		Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	2,680.10	238.88
22 47 16 00-0017 Fully Recessed Indoor Water Coolers (22 47 16 00-0001)					
22 47 16 00-0018	EA		Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	5,308.29	268.75
22 47 16 00-0019	EA		Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	6,515.21	268.75
22 47 16 00-0020	EA		Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	7,650.09	268.75
22 47 16 00-0021 Free Standing Indoor Water Coolers (22 47 16 00-0001)					
22 47 16 00-0022	EA		Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	2,157.45	209.03
22 47 16 00-0023	EA		Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	2,325.22	209.03
22 47 16 00-0024	EA		Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	2,653.61	209.03
22 47 16 00-0025	EA		Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	2,964.78	209.03
22 47 16 00-0026 Bottled Water Coolers (22 47 16 00-0001)					
22 47 16 00-0027	EA		Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	722.58	119.44
22 47 16 00-0028	EA		Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....	876.68	119.44
22 47 16 00-0029 Multi-Station Indoor Water Coolers (22 47 16 00-0001)					
22 47 16 00-0030	EA		Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	6,336.80	358.32
22 47 16 00-0031	EA		Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semicircular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	7,302.89	358.32
22 47 16 00-0032	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	3,261.96	358.32
22 47 16 00-0033 Outdoor Water Coolers (22 47 16)					
22 47 16 00-0034 Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)					
22 47 16 00-0035	EA		Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	2,361.29	149.31
22 47 16 00-0036	EA		Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	4,118.73	149.31
22 47 16 00-0037 Free Standing Outdoor Water Coolers (22 47 16 00-0033)					
22 47 16 00-0038	EA		Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....	3,908.08	223.95
22 47 16 00-0039	EA		Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	4,711.11	223.95
22 47 16 00-0040 Removal And Reinstallation Of Fixtures And Trim (22 47 16)					
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.					
22 47 16 00-0041	EA		Removal And Reinstallation Of Wall Hung Water Cooler	579.91	
22 47 16 00-0042	EA		Removal And Reinstallation Of Floor Mount Water Cooler	129.72	
22 47 19 Water-Station Water Coolers (22 47)					
22 47 19 00-0001 Bottle Filler (22 47 19)					
22 47 19 00-0002	EA		Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF).....	4,132.00	238.88
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0003	EA		Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK).....	7,251.36	238.88
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0004	EA		Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	9,330.39	268.75
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0005	EA		Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	10,094.31	268.75
			For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0006	EA		Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	10,858.23	268.75
			For Stainless Steel Carrier, Add	205.00	
22 47 23 Remote Water Coolers (22 47)					
22 47 23 00-0001 Remote Chillers (22 47 23)					
22 47 23 00-0002	EA		1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....	1,362.92	80.63
22 47 23 00-0003	EA		5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....	2,089.22	89.59
22 47 23 00-0004	EA		8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....	1,780.66	104.51
22 47 23 00-0005	EA		10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....	2,299.51	119.44
22 47 23 00-0006	EA		19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....	3,606.31	179.16
22 47 23 00-0007	EA		30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	3,910.01	194.09
22 47 26 Fixture Carriers (22 47)					

22 Plumbing**22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 47 26 00-0001		Water Cooler Carriers (22 47 26)		
22 47 26 00-0002		Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	611.23	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	33.74	
		For Bi-Level Carrier, Add	375.80	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	725.05	45.39
		For Up To 4" Extension Sleeves And Hardware, Add	33.74	
		For Bi-Level Carrier, Add	375.80	

22 50 Pool and Fountain Plumbing Systems (22)**22 51 Swimming Pool Plumbing Systems (22 50)****22 51 13 Swimming Pool Piping (22 51)**

22 51 13 00-0001		Swimming Pool Gutters (22 51 13)		
22 51 13 00-0002	LF	Swimming Pool Gutters, Stainless	292.13	26.88

22 51 19 Swimming Pool Water Treatment Equipment (22 51)

22 51 19 00-0001		Swimming Pool Heaters (22 51 19)		
		Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0002		Electric Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0003	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,417.01	238.88
22 51 19 00-0004	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	4,933.53	256.80
22 51 19 00-0005	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,484.96	298.60
22 51 19 00-0006	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,817.46	358.32
22 51 19 00-0007	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,428.68	501.65
22 51 19 00-0008	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,406.27	716.64

22 51 19 00-0009		Gas Fired Pool Heaters (22 51 19 00-0001)		
22 51 19 00-0010	EA	120 MBH Output Gas Fired Pool Heater	6,361.56	1,120.86
22 51 19 00-0011	EA	180 MBH Output Gas Fired Pool Heater	7,226.28	1,280.98
22 51 19 00-0012	EA	240 MBH Output Gas Fired Pool Heater	8,165.05	1,441.10
22 51 19 00-0013	EA	300 MBH Output Gas Fired Pool Heater	9,400.87	1,761.35
22 51 19 00-0014	EA	360 MBH Output Gas Fired Pool Heater	9,681.32	1,857.78
22 51 19 00-0015	EA	400 MBH Output Gas Fired Pool Heater	11,317.77	2,261.22
22 51 19 00-0016	EA	500 MBH Output Gas Fired Pool Heater	17,780.34	2,609.10
22 51 19 00-0017	EA	600 MBH Output Gas Fired Pool Heater	20,613.65	2,870.01
22 51 19 00-0018	EA	750 MBH Output Gas Fired Pool Heater	23,242.71	3,130.92
22 51 19 00-0019	EA	1,000 MBH Output Gas Fired Pool Heater	29,793.81	3,696.23

22 51 19 00-0020		Surge Tanks (22 51 19)		
		Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0021	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	20,593.76	915.57
22 51 19 00-0022	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	23,087.23	915.57
22 51 19 00-0023	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	27,840.86	1,161.85
22 51 19 00-0024	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	36,878.99	1,875.11

22 51 19 00-0025		Diatomite Type Filter System (22 51 19)		
22 51 19 00-0026	EA	35,000 Gallon Filter System, Diatomite	15,965.85	3,327.49
22 51 19 00-0027	EA	45,000 Gallon Filter System, Diatomite	19,044.86	3,992.99

22 51 19 00-0028		Silver Recovery System, X-Ray Film Processing (22 51 19)		
22 51 19 00-0029	EA	20 Gallon/Day Capacity, Silver Recovery System	2,091.61	405.38
22 51 19 00-0030	EA	40 Gallon/Day Capacity, Silver Recovery System	3,060.52	540.54

22 51 19 00-0031		Inline Water Filter (22 51 19)		
		Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0032	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	282.56	119.44
22 51 19 00-0033	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	501.42	179.16

22 51 19 00-0034		Ultra-Violet Pool Treatment Lights (22 51 19)		
22 51 19 00-0035		Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0034)		
		Note: Delta ELP Amalgam Series		
22 51 19 00-0036	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,196.03	372.43
22 51 19 00-0037	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,123.50	372.43
22 51 19 00-0038	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,918.48	372.43
22 51 19 00-0039	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,484.98	394.35
22 51 19 00-0040	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,878.94	394.35
22 51 19 00-0041	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	22,456.27	394.35
22 51 19 00-0042	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	26,508.79	708.22
22 51 19 00-0043	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	39,309.02	708.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 51 19 00-0044	EA		6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	43,154.59	708.22
22 51 19 00-0045	EA		8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	46,278.00	849.64
22 51 19 00-0046	EA		8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	49,703.44	849.64
22 51 19 00-0047	EA		8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	52,094.81	849.64
22 51 19 00-0048	EA		8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	54,680.06	849.64
22 51 19 00-0049	EA		10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	58,732.67	965.76
22 51 19 00-0050	EA		10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	63,256.88	965.76
22 51 19 00-0051	EA		10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	67,781.06	965.76
22 51 19 00-0052	EA		10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	73,274.72	965.76

22 51 19 00-0053 HDPE Ultra-Violet Pool Treatment Lights (22 51 19 00-0034)

Note: Delta EL Series

22 51 19 00-0054	EA		3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,068.69	372.43
22 51 19 00-0055	EA		3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,973.49	372.43
22 51 19 00-0056	EA		4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,911.37	394.35

22 51 19 00-0057 In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights (22 51 19 00-0034)

Note: Delta EM Series

22 51 19 00-0058	EA		3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	31,335.93	372.43
22 51 19 00-0059	EA		3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	31,659.06	372.43
22 51 19 00-0060	EA		6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	33,795.99	708.22
22 51 19 00-0061	EA		6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	42,805.57	708.22
22 51 19 00-0062	EA		8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	59,721.30	849.64
22 51 19 00-0063	EA		10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing...	67,393.28	965.76
22 51 19 00-0064	EA		12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing...	79,458.05	1,249.74
22 51 19 00-0065	EA		12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing...	89,152.72	1,249.74

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities (22)

22 62 Vacuum Systems for Laboratory and Healthcare Facilities (22 60)

22 62 19 Vacuum Equipment for Laboratory and Healthcare Facilities (22 62)

22 62 19 74 Dental Vacuum and Evacuation Equipment (22 62 19)

22 62 19 74-0001 Dental Oral Vacuum Pumps (22 62 19 74)

22 62 19 74-0002	EA		165 SCFM, Duplex Vacuum Pump, Dental Oral, With 30" X 66", 77 Gallon Separator	9,511.44	1,070.27
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22 63 Gas Systems for Laboratory and Healthcare Facilities (22 60)

22 63 13 Gas Piping for Laboratory and Healthcare Facilities (22 63)

22 63 13 53 Laboratory Gas Piping (22 63 13)

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2279 for PVC piping.

22 63 13 70 Healthcare Gas Piping (22 63 13)

22 63 13 70-0001 Zone Valve Assemblies (22 63 13 70)

22 63 13 70-0002 Single Zone Valve Assemblies (22 63 13 70-0001)

22 63 13 70-0003	EA		1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-05).....	499.02	94.84
22 63 13 70-0004	EA		3/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-07).....	533.27	102.84
22 63 13 70-0005	EA		1" Single Zone Valve Assembly With Gauge (Amico VBU-M-10).....	567.34	109.40
22 63 13 70-0006	EA		1-1/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-12).....	637.53	119.44
22 63 13 70-0007	EA		1-1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-15).....	728.58	126.73
22 63 13 70-0008	EA		2" Single Zone Valve Assembly With Gauge (Amico VBU-M-20).....	900.72	136.76

22 63 13 70-0009 Double Zone Valve Assemblies (22 63 13 70-0001)

22 63 13 70-0010	EA		1/2" x 1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0505).....	713.60	135.93
22 63 13 70-0011	EA		1/2" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0507).....	747.85	143.93
22 63 13 70-0012	EA		1/2" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0510).....	788.88	150.37
22 63 13 70-0013	EA		1/2" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0512).....	870.67	160.53
22 63 13 70-0014	EA		1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0515).....	973.32	167.82
22 63 13 70-0015	EA		3/4" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0707).....	779.78	151.93
22 63 13 70-0016	EA		3/4" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0710).....	820.82	158.50
22 63 13 70-0017	EA		3/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0712).....	904.93	168.53
22 63 13 70-0018	EA		3/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0715).....	963.50	175.82
22 63 13 70-0019	EA		1" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-1010).....	852.57	164.95
22 63 13 70-0020	EA		1" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1012).....	904.20	175.10
22 63 13 70-0021	EA		1" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1015).....	999.89	182.38
22 63 13 70-0022	EA		1-1/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1212).....	1,039.35	185.13
22 63 13 70-0023	EA		1-1/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1215).....	1,079.36	192.54
22 63 13 70-0024	EA		1-1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1515).....	1,182.02	199.83

22 63 13 70-0025 Triple Zone Valve Assemblies (22 63 13 70-0001)

22 63 13 70-0026	EA		1/2" x 1/2" x 1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050505).....	969.93	176.90
22 63 13 70-0027	EA		1/2" x 1/2" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050507).....	1,004.18	185.01
22 63 13 70-0028	EA		1/2" x 1/2" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050510).....	1,045.22	191.46

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 63 Gas Systems for Laboratory and Healthcare Facilities**
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22 63 13 70-0029	EA	1/2" x 1/2" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050512)	1,129.33	201.62
22 63 13 70-0030	EA	1/2" x 1/2" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050515)	1,234.31	208.91
22 63 13 70-0031	EA	1/2" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050707)	1,040.76	193.02
22 63 13 70-0032	EA	1/2" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050710)	1,081.78	199.46
22 63 13 70-0033	EA	1/2" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050712)	1,163.57	209.62
22 63 13 70-0034	EA	1/2" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050715)	1,268.54	216.91
22 63 13 70-0035	EA	1/2" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051010)	1,122.81	206.04
22 63 13 70-0036	EA	1/2" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051012)	1,204.60	216.19
22 63 13 70-0037	EA	1/2" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051015)	1,309.57	223.47
22 63 13 70-0038	EA	3/4" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070707)	1,075.01	201.02
22 63 13 70-0039	EA	3/4" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070710)	1,116.04	207.59
22 63 13 70-0040	EA	3/4" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070712)	1,197.83	217.62
22 63 13 70-0041	EA	3/4" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070715)	1,302.81	224.91
22 63 13 70-0042	EA	3/4" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071010)	1,157.07	214.04
22 63 13 70-0043	EA	3/4" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071012)	1,238.86	224.19
22 63 13 70-0044	EA	3/4" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071015)	1,341.51	231.47
22 63 13 70-0045	EA	1" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-1010110)	1,137.78	220.61
22 63 13 70-0046	EA	1" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101012)	1,217.25	230.64
22 63 13 70-0047	EA	1" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101015)	1,384.85	238.05

22 63 13 70-0048 Medical Gas Copper Pipe And Fittings (22 63 13 70)**22 63 13 70-0049 Medical Gas Copper Pipe, ASTM B819 (22 63 13 70-0048)**

22 63 13 70-0050	LF	1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/4")	9.24	4.16
22 63 13 70-0051	LF	3/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/8")	11.31	4.16
22 63 13 70-0052	LF	1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/2")	12.10	4.16
22 63 13 70-0053	LF	5/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 5/8")	13.56	4.16
22 63 13 70-0054	LF	3/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/4")	18.33	4.16
22 63 13 70-0055	LF	1" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1")	21.39	4.16
22 63 13 70-0056	LF	1-1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/4")	25.65	4.16
22 63 13 70-0057	LF	1-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/2")	31.86	4.16
22 63 13 70-0058	LF	2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2")	44.77	4.16
22 63 13 70-0059	LF	2-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2-1/2")	62.72	6.87
22 63 13 70-0060	LF	3" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3")	76.13	6.87
22 63 13 70-0061	LF	3-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3-1/2")	97.50	10.37
22 63 13 70-0062	LF	4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 4")	134.15	10.37

22 63 13 70-0063 Medical Gas Copper Fittings (22 63 13 70-0048)**22 63 13 70-0064 Medical Gas Copper 90 Degree Elbows (22 63 13 70-0063)**

22 63 13 70-0065	EA	1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P049)	50.50	31.52
22 63 13 70-0066	EA	3/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P050)	52.34	32.95
22 63 13 70-0067	EA	1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P079)	55.34	34.63
22 63 13 70-0068	EA	5/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P080)	60.98	36.45
22 63 13 70-0069	EA	3/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P081)	60.28	36.45
22 63 13 70-0070	EA	1" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P082)	73.09	43.32
22 63 13 70-0071	EA	1-1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P055)	77.92	46.18
22 63 13 70-0072	EA	1-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P056)	93.96	53.18
22 63 13 70-0073	EA	2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P057)	115.35	62.91
22 63 13 70-0074	EA	2-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P058)	207.07	106.50
22 63 13 70-0075	EA	3" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMA3)	252.66	125.83
22 63 13 70-0076	EA	4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMA4)	378.10	153.85

22 63 13 70-0077 Medical Gas Copper Tees (22 63 13 70-0063)

22 63 13 70-0078	EA	1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P095)	76.29	46.18
22 63 13 70-0079	EA	3/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P096)	79.55	49.42
22 63 13 70-0080	EA	1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P098)	81.45	53.18
22 63 13 70-0081	EA	5/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R568)	100.59	57.72
22 63 13 70-0082	EA	3/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P103)	90.44	57.72
22 63 13 70-0083	EA	1" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P109)	116.13	69.27
22 63 13 70-0084	EA	1-1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P113)	133.60	76.92
22 63 13 70-0085	EA	1-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P117)	154.69	86.52
22 63 13 70-0086	EA	2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R499)	191.37	98.84
22 63 13 70-0087	EA	2-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMD9)	332.03	173.05
22 63 13 70-0088	EA	3" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VME5)	416.78	197.82
22 63 13 70-0089	EA	4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG2)	660.10	276.82

22 63 13 70-0090 Medical Gas Copper Couplings (22 63 13 70-0063)

22 63 13 70-0091	EA	1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R491)	42.42	27.63
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 63 13 70-0092	EA		3/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R495)	44.44	28.80
22 63 13 70-0093	EA		1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R489)	45.95	30.09
22 63 13 70-0094	EA		5/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R493)	50.16	31.52
22 63 13 70-0095	EA		3/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R490)	51.04	32.95
22 63 13 70-0096	EA		1" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R492)	61.21	38.39
22 63 13 70-0097	EA		1-1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R501)	67.91	40.73
22 63 13 70-0098	EA		1-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R509)	77.74	46.18
22 63 13 70-0099	EA		2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R516)	93.28	53.18
22 63 13 70-0100	EA		2-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R615)	169.89	92.23
22 63 13 70-0101	EA		3" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R690)	207.08	106.50
22 63 13 70-0102	EA		4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R692)	273.43	129.72

22 63 13 70-0103 Medical Gas Copper Caps (22 63 13 70-0063)

22 63 13 70-0104	EA		1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R498)	27.14	17.26
22 63 13 70-0105	EA		3/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R521)	27.81	17.26
22 63 13 70-0106	EA		1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P121)	26.63	17.26
22 63 13 70-0107	EA		5/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 39R511)	29.62	18.16
22 63 13 70-0108	EA		3/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P122)	28.48	18.16
22 63 13 70-0109	EA		1" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P123)	35.78	21.66
22 63 13 70-0110	EA		1-1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P124)	40.56	23.87
22 63 13 70-0111	EA		1-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P125)	46.77	26.59
22 63 13 70-0112	EA		2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 5P126)	59.77	31.52
22 63 13 70-0113	EA		2-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG6)	90.62	34.63
22 63 13 70-0114	EA		3" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG7)	109.49	38.39
22 63 13 70-0115	EA		4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (Nibco 1VMG8)	156.74	43.32

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities (22 60)

22 66 53 Laboratory Chemical-Waste and Vent Piping (22 66)

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings (22 66 53 00-0001)

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe (22 66 53 00-0002)

22 66 53 00-0004	LF		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	15.18	6.80
			For Schedule 80, Add	2.56	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.19	
			For Work In Restricted Working Space, Add	3.08	
22 66 53 00-0005	LF		2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	18.19	7.64
			For Schedule 80, Add	3.46	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.96	
			For Work In Restricted Working Space, Add	3.46	
22 66 53 00-0006	LF		3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	28.72	11.11
			For Schedule 80, Add	6.25	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	5.34	
			For Work In Restricted Working Space, Add	5.01	
22 66 53 00-0007	LF		4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	38.76	14.45
			For Schedule 80, Add	8.87	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	7.59	
			For Work In Restricted Working Space, Add	6.51	
22 66 53 00-0008	LF		6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	62.58	21.26
			For Schedule 80, Add	15.98	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	13.67	
			For Work In Restricted Working Space, Add	9.56	

22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends (22 66 53 00-0002)

22 66 53 00-0010	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	58.37	25.68
			For Work In Restricted Working Space, Add	11.56	
22 66 53 00-0011	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	75.46	33.92
			For Work In Restricted Working Space, Add	15.25	
22 66 53 00-0012	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	100.09	38.81
			For Work In Restricted Working Space, Add	17.48	
22 66 53 00-0013	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	143.64	51.36
			For Work In Restricted Working Space, Add	23.12	
22 66 53 00-0014	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	277.39	75.85
			For Work In Restricted Working Space, Add	34.13	

22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends (22 66 53 00-0002)

22 66 53 00-0016	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	58.03	25.68
			For Work In Restricted Working Space, Add	11.56	
22 66 53 00-0017	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	74.56	33.92
			For Work In Restricted Working Space, Add	15.25	
22 66 53 00-0018	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	101.80	38.81
			For Work In Restricted Working Space, Add	17.48	
22 66 53 00-0019	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	126.44	51.36
			For Work In Restricted Working Space, Add	23.12	
22 66 53 00-0020	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	250.72	75.85
			For Work In Restricted Working Space, Add	34.13	

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees (22 66 53 00-0002)			
22 66 53 00-0022	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	107.01	54.94
	<i>For Work In Restricted Working Space, Add</i>	24.71	
22 66 53 00-0023	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	133.38	69.27
	<i>For Work In Restricted Working Space, Add</i>	31.16	
22 66 53 00-0024	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	172.81	75.85
	<i>For Work In Restricted Working Space, Add</i>	34.13	
22 66 53 00-0025	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	237.74	99.61
	<i>For Work In Restricted Working Space, Add</i>	44.79	
22 66 53 00-0026	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	414.75	159.33
	<i>For Work In Restricted Working Space, Add</i>	71.66	
22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees (22 66 53 00-0002)			
22 66 53 00-0028	EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	133.34	69.27
	<i>For Work In Restricted Working Space, Add</i>	31.16	
22 66 53 00-0029	EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	168.68	75.85
	<i>For Work In Restricted Working Space, Add</i>	34.13	
22 66 53 00-0030	EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	165.02	75.85
	<i>For Work In Restricted Working Space, Add</i>	34.13	
22 66 53 00-0031	EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	228.34	99.61
	<i>For Work In Restricted Working Space, Add</i>	44.79	
22 66 53 00-0032	EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	231.89	99.61
	<i>For Work In Restricted Working Space, Add</i>	44.79	
22 66 53 00-0033	EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	388.58	159.33
	<i>For Work In Restricted Working Space, Add</i>	71.66	
22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug (22 66 53 00-0002)			
22 66 53 00-0035	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	119.04	54.94
	<i>For Work In Restricted Working Space, Add</i>	24.71	
22 66 53 00-0036	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	136.29	69.27
	<i>For Work In Restricted Working Space, Add</i>	31.16	
22 66 53 00-0037	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	181.71	75.85
	<i>For Work In Restricted Working Space, Add</i>	34.13	
22 66 53 00-0038	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	241.85	99.61
	<i>For Work In Restricted Working Space, Add</i>	44.79	
22 66 53 00-0039	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug.....	364.00	159.33
	<i>For Work In Restricted Working Space, Add</i>	71.66	
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes (22 66 53 00-0002)			
22 66 53 00-0041	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	113.76	54.94
	<i>For Work In Restricted Working Space, Add</i>	24.71	
22 66 53 00-0042	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	139.63	69.27
	<i>For Work In Restricted Working Space, Add</i>	31.16	
22 66 53 00-0043	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	176.53	75.85
	<i>For Work In Restricted Working Space, Add</i>	34.13	
22 66 53 00-0044	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	240.83	99.61
	<i>For Work In Restricted Working Space, Add</i>	44.79	
22 66 53 00-0045	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	471.22	159.33
	<i>For Work In Restricted Working Space, Add</i>	71.66	
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes (22 66 53 00-0002)			
22 66 53 00-0047	EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	147.90	69.27
	<i>For Work In Restricted Working Space, Add</i>	31.16	
22 66 53 00-0048	EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	172.29	75.85
	<i>For Work In Restricted Working Space, Add</i>	34.13	
22 66 53 00-0049	EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	172.29	75.85
	<i>For Work In Restricted Working Space, Add</i>	34.13	
22 66 53 00-0050	EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	237.17	99.61
	<i>For Work In Restricted Working Space, Add</i>	44.79	
22 66 53 00-0051	EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	237.17	99.61
	<i>For Work In Restricted Working Space, Add</i>	44.79	
22 66 53 00-0052	EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	422.58	159.33
	<i>For Work In Restricted Working Space, Add</i>	71.66	
22 66 53 00-0053	EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	425.43	159.33
	<i>For Work In Restricted Working Space, Add</i>	71.66	
22 66 53 00-0054	EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	389.78	159.33
	<i>For Work In Restricted Working Space, Add</i>	71.66	
22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses (22 66 53 00-0002)			
22 66 53 00-0056	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	141.58	68.68
	<i>For Work In Restricted Working Space, Add</i>	30.89	
22 66 53 00-0057	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	176.10	86.60
	<i>For Work In Restricted Working Space, Add</i>	38.95	
22 66 53 00-0058	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	234.77	94.84
	<i>For Work In Restricted Working Space, Add</i>	42.66	
22 66 53 00-0059	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross.....	325.26	124.45
	<i>For Work In Restricted Working Space, Add</i>	55.99	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	574.30 89.58	199.11
22 66 53 00-0061		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	104.80 24.71	54.94
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	136.64 31.16	69.27
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	155.70 34.13	75.85
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	214.54 44.79	99.61
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	126.88 31.16	69.27
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	151.77 34.13	75.85
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	153.35 34.13	75.85
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	208.70 44.79	99.61
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	209.70 44.79	99.61
22 66 53 00-0071		Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)		
22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	123.69 28.67	63.78
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	164.45 37.72	83.85
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	246.79 51.19	113.82
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	345.16 65.15	144.89
22 66 53 00-0076		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)		
22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	57.43 11.56	25.68
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	70.52 15.25	33.92
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	82.64 17.48	38.81
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	112.19 23.12	51.36
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	166.37 34.13	75.85
22 66 53 00-0082		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)		
22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	55.06 11.56	25.68
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	72.31 15.25	33.92
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	85.93 17.48	38.81
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	115.42 23.12	51.36
22 66 53 00-0087		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)		
22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	52.11 11.56	25.68
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	67.01 15.25	33.92
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	77.92 17.48	38.81
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	103.05 23.12	51.36
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling..... <i>For Work In Restricted Working Space, Add</i>	151.53 34.13	75.85
22 66 53 00-0093		Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0094		Glass Acid Resistant DWV Pipe (22 66 53 00-0093)		
22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.87 3.94	6.57
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.84 4.30	7.17
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	55.16 6.04	10.04
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe..... <i>For Work In Restricted Working Space, Add</i>	89.76 7.82	13.02

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
22 66 53 00-0099	LF 6" Glass Acid Resistant DWV Pipe <i>For Work In Restricted Working Space, Add</i>	149.77	17.80	10.67	
22 66 53 00-0100	Glass Acid Resistant DWV 90 Or 60 Degree Sweeps (22 66 53 00-0093)				
22 66 53 00-0101	EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	98.26	29.26	17.52	
22 66 53 00-0102	EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	112.28	31.05	18.59	
22 66 53 00-0103	EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	153.33	35.23	21.14	
22 66 53 00-0104	EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	225.46	46.58	27.95	
22 66 53 00-0105	EA 6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	532.19	64.50	38.70	
22 66 53 00-0106	Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps (22 66 53 00-0093)				
22 66 53 00-0107	EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	98.50	29.38	17.60	
22 66 53 00-0108	EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	111.80	30.70	18.45	
22 66 53 00-0109	EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	153.09	35.12	21.07	
22 66 53 00-0110	EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	225.46	46.58	27.95	
22 66 53 00-0111	EA 6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep <i>For Work In Restricted Working Space, Add</i>	532.16	64.50	38.69	
22 66 53 00-0112	Glass Acid Resistant DWV 90 Or 60 Degree Bends (22 66 53 00-0093)				
22 66 53 00-0113	EA 1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	99.59	29.38	17.60	
22 66 53 00-0114	EA 2" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	113.11	30.70	18.45	
22 66 53 00-0115	EA 3" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	155.37	35.12	21.07	
22 66 53 00-0116	EA 4" Glass Acid Resistant DWV 90 Or 60 Degree Bend <i>For Work In Restricted Working Space, Add</i>	225.46	46.58	27.95	
22 66 53 00-0117	Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends (22 66 53 00-0093)				
22 66 53 00-0118	EA 1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	99.59	29.38	17.60	
22 66 53 00-0119	EA 2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	113.11	30.70	18.45	
22 66 53 00-0120	EA 3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	155.37	35.12	21.07	
22 66 53 00-0121	EA 4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend <i>For Work In Restricted Working Space, Add</i>	225.46	46.58	27.95	
22 66 53 00-0122	Glass Acid Resistant DWV 90 Degree Bends With Long Leg (22 66 53 00-0093)				
22 66 53 00-0123	EA 1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg <i>For Work In Restricted Working Space, Add</i>	115.12	29.38	17.60	
22 66 53 00-0124	EA 2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg <i>For Work In Restricted Working Space, Add</i>	135.43	30.70	18.45	
22 66 53 00-0125	Glass Acid Resistant DWV Double Quarter Bends (22 66 53 00-0093)				
22 66 53 00-0126	EA 1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	159.18	43.96	26.39	
22 66 53 00-0127	EA 2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	198.79	45.51	27.30	
22 66 53 00-0128	EA 2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	185.69	46.10	27.68	
22 66 53 00-0129	EA 3" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	250.18	52.67	31.61	
22 66 53 00-0130	EA 4" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	410.51	69.88	41.92	
22 66 53 00-0131	EA 6" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	628.17	96.74	58.06	
22 66 53 00-0132	Glass Acid Resistant DWV Sanitary Tees (22 66 53 00-0093)				
22 66 53 00-0133	EA 1-1/2" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	152.63	44.19	26.52	
22 66 53 00-0134	EA 2" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	156.21	45.98	27.59	
22 66 53 00-0135	EA 3" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	200.92	52.55	31.53	
22 66 53 00-0136	EA 4" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	311.66	69.88	41.92	
22 66 53 00-0137	EA 6" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	654.05	96.74	58.05	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0138 Glass Acid Resistant DWV Reducing Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0139 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	155.01	45.39
For Work In Restricted Working Space, Add	27.23	
22 66 53 00-0140 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	183.85	49.56
For Work In Restricted Working Space, Add	29.74	
22 66 53 00-0141 EA 3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	195.05	50.76
For Work In Restricted Working Space, Add	30.46	
22 66 53 00-0142 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	251.17	61.51
For Work In Restricted Working Space, Add	36.91	
22 66 53 00-0143 EA 4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	262.93	62.11
For Work In Restricted Working Space, Add	37.27	
22 66 53 00-0144 EA 4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee.....	276.00	63.90
For Work In Restricted Working Space, Add	38.34	
22 66 53 00-0145 EA 6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee.....	483.32	80.02
For Work In Restricted Working Space, Add	48.02	
22 66 53 00-0146 EA 6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee.....	520.66	81.81
For Work In Restricted Working Space, Add	49.09	
22 66 53 00-0147 EA 6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee.....	534.45	87.79
For Work In Restricted Working Space, Add	52.67	
22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0149 EA 1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	215.60	58.52
For Work In Restricted Working Space, Add	35.12	
22 66 53 00-0150 EA 2" Glass Acid Resistant DWV Double Sanitary Tee	221.55	61.51
For Work In Restricted Working Space, Add	36.90	
22 66 53 00-0151 EA 3" Glass Acid Resistant DWV Double Sanitary Tee	285.75	70.47
For Work In Restricted Working Space, Add	42.28	
22 66 53 00-0152 EA 4" Glass Acid Resistant DWV Double Sanitary Tee	463.83	93.17
For Work In Restricted Working Space, Add	55.89	
22 66 53 00-0153 EA 6" Glass Acid Resistant DWV Double Sanitary Tee	823.98	128.99
For Work In Restricted Working Space, Add	77.41	
22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees (22 66 53 00-0093)		
22 66 53 00-0155 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	219.16	60.31
For Work In Restricted Working Space, Add	36.19	
22 66 53 00-0156 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	252.57	64.50
For Work In Restricted Working Space, Add	38.70	
22 66 53 00-0157 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	266.62	65.69
For Work In Restricted Working Space, Add	39.42	
22 66 53 00-0158 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	386.12	75.85
For Work In Restricted Working Space, Add	45.51	
22 66 53 00-0159 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	382.71	77.64
For Work In Restricted Working Space, Add	46.58	
22 66 53 00-0160 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	410.60	81.81
For Work In Restricted Working Space, Add	49.10	
22 66 53 00-0161 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	543.08	95.55
For Work In Restricted Working Space, Add	57.32	
22 66 53 00-0162 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	590.14	99.73
For Work In Restricted Working Space, Add	59.83	
22 66 53 00-0163 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee	668.20	111.08
For Work In Restricted Working Space, Add	66.64	
22 66 53 00-0164 Glass Acid Resistant DWV Tees (22 66 53 00-0093)		
22 66 53 00-0165 EA 1-1/2" Glass Acid Resistant DWV Tee.....	167.88	44.19
For Work In Restricted Working Space, Add	26.52	
22 66 53 00-0166 EA 2" Glass Acid Resistant DWV Tee.....	171.44	45.98
For Work In Restricted Working Space, Add	27.59	
22 66 53 00-0167 EA 3" Glass Acid Resistant DWV Tee.....	219.87	52.55
For Work In Restricted Working Space, Add	31.53	
22 66 53 00-0168 EA 4" Glass Acid Resistant DWV Tee.....	341.37	69.88
For Work In Restricted Working Space, Add	41.92	
22 66 53 00-0169 EA 6" Glass Acid Resistant DWV Tee.....	689.68	96.74
For Work In Restricted Working Space, Add	58.06	
22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees (22 66 53 00-0093)		
22 66 53 00-0171 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	170.24	45.39
For Work In Restricted Working Space, Add	27.23	
22 66 53 00-0172 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	199.74	49.56
For Work In Restricted Working Space, Add	29.74	
22 66 53 00-0173 EA 3" x 2" Glass Acid Resistant DWV Reducing Tee.....	204.42	50.76
For Work In Restricted Working Space, Add	30.46	
22 66 53 00-0174 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee.....	254.67	61.51
For Work In Restricted Working Space, Add	36.91	
22 66 53 00-0175 EA 4" x 2" Glass Acid Resistant DWV Reducing Tee.....	261.29	62.11
For Work In Restricted Working Space, Add	37.26	
22 66 53 00-0176 EA 4" x 3" Glass Acid Resistant DWV Reducing Tee.....	311.73	63.90
For Work In Restricted Working Space, Add	38.35	
22 66 53 00-0177 EA 6" x 3" Glass Acid Resistant DWV Reducing Tee.....	585.96	81.81
For Work In Restricted Working Space, Add	49.09	
22 66 53 00-0178 EA 6" x 4" Glass Acid Resistant DWV Reducing Tee.....	610.85	87.79
For Work In Restricted Working Space, Add	52.67	

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout (22 66 53 00-0093)			
22 66 53 00-0180	EA	1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	194.01
		For Work In Restricted Working Space, Add	26.52
22 66 53 00-0181	EA	2" Glass Acid Resistant DWV Test Tee With Cleanout.....	215.76
		For Work In Restricted Working Space, Add	27.59
22 66 53 00-0182	EA	3" Glass Acid Resistant DWV Test Tee With Cleanout.....	275.72
		For Work In Restricted Working Space, Add	31.53
22 66 53 00-0183	EA	4" Glass Acid Resistant DWV Test Tee With Cleanout.....	468.66
		For Work In Restricted Working Space, Add	41.92
22 66 53 00-0184	EA	6" Glass Acid Resistant DWV Test Tee With Cleanout.....	689.68
		For Work In Restricted Working Space, Add	58.06
22 66 53 00-0185 Glass Acid Resistant DWV Wyes (22 66 53 00-0093)			
22 66 53 00-0186	EA	1-1/2" Glass Acid Resistant DWV Wye.....	155.91
		For Work In Restricted Working Space, Add	26.52
22 66 53 00-0187	EA	2" Glass Acid Resistant DWV Wye	159.47
		For Work In Restricted Working Space, Add	27.59
22 66 53 00-0188	EA	3" Glass Acid Resistant DWV Wye	213.99
		For Work In Restricted Working Space, Add	31.53
22 66 53 00-0189	EA	4" Glass Acid Resistant DWV Wye.....	326.24
		For Work In Restricted Working Space, Add	41.92
22 66 53 00-0190	EA	6" Glass Acid Resistant DWV Wye.....	644.06
		For Work In Restricted Working Space, Add	58.06
22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes (22 66 53 00-0093)			
22 66 53 00-0192	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye.....	158.27
		For Work In Restricted Working Space, Add	27.23
22 66 53 00-0193	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye.....	190.60
		For Work In Restricted Working Space, Add	29.74
22 66 53 00-0194	EA	3" x 2" Glass Acid Resistant DWV Reducing Wye.....	195.82
		For Work In Restricted Working Space, Add	30.46
22 66 53 00-0195	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye.....	264.25
		For Work In Restricted Working Space, Add	36.91
22 66 53 00-0196	EA	4" x 2" Glass Acid Resistant DWV Reducing Wye.....	266.73
		For Work In Restricted Working Space, Add	37.26
22 66 53 00-0197	EA	4" x 3" Glass Acid Resistant DWV Reducing Wye.....	288.86
		For Work In Restricted Working Space, Add	38.35
22 66 53 00-0198	EA	6" x 2" Glass Acid Resistant DWV Reducing Wye.....	469.14
		For Work In Restricted Working Space, Add	48.01
22 66 53 00-0199	EA	6" x 3" Glass Acid Resistant DWV Reducing Wye.....	540.67
		For Work In Restricted Working Space, Add	49.09
22 66 53 00-0200	EA	6" x 4" Glass Acid Resistant DWV Reducing Wye.....	587.33
		For Work In Restricted Working Space, Add	52.67
22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes (22 66 53 00-0093)			
22 66 53 00-0202	EA	1-1/2" Glass Acid Resistant DWV Double Wye.....	248.47
		For Work In Restricted Working Space, Add	35.12
22 66 53 00-0203	EA	2" Glass Acid Resistant DWV Double Wye.....	254.45
		For Work In Restricted Working Space, Add	36.91
22 66 53 00-0204	EA	3" Glass Acid Resistant DWV Double Wye.....	336.79
		For Work In Restricted Working Space, Add	42.28
22 66 53 00-0205	EA	4" Glass Acid Resistant DWV Double Wye.....	515.97
		For Work In Restricted Working Space, Add	55.88
22 66 53 00-0206	EA	6" Glass Acid Resistant DWV Double Wye.....	852.18
		For Work In Restricted Working Space, Add	77.43
22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes (22 66 53 00-0093)			
22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	252.02
		For Work In Restricted Working Space, Add	36.18
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	260.40
		For Work In Restricted Working Space, Add	38.69
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	298.50
		For Work In Restricted Working Space, Add	39.41
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	365.68
		For Work In Restricted Working Space, Add	45.52
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	385.33
		For Work In Restricted Working Space, Add	46.58
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye.....	450.52
		For Work In Restricted Working Space, Add	49.09
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	688.01
		For Work In Restricted Working Space, Add	57.32
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye.....	721.97
		For Work In Restricted Working Space, Add	59.84
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye.....	773.10
		For Work In Restricted Working Space, Add	66.65
22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0093)			
22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	173.14
		For Work In Restricted Working Space, Add	26.52
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	177.43
		For Work In Restricted Working Space, Add	27.59

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0220 EA 3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	224.66 31.53	52.55
22 66 53 00-0221 EA 4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	331.79 41.92	69.88
22 66 53 00-0222 EA 6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	628.49 58.06	96.74
22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0224 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	176.23 27.23	45.39
22 66 53 00-0225 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	193.32 29.74	49.56
22 66 53 00-0226 EA 3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	206.71 30.46	50.76
22 66 53 00-0227 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	257.71 36.91	61.51
22 66 53 00-0228 EA 4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	268.15 37.26	62.11
22 66 53 00-0229 EA 4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	290.50 38.35	63.90
22 66 53 00-0230 EA 6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	470.12 48.01	80.02
22 66 53 00-0231 EA 6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	531.20 49.09	81.81
22 66 53 00-0232 EA 6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	543.78 52.67	87.79
22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0234 EA 1-1/2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	232.14 35.12	58.52
22 66 53 00-0235 EA 2" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	268.17 36.91	61.51
22 66 53 00-0236 EA 3" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	357.48 42.28	70.47
22 66 53 00-0237 EA 4" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	564.09 55.88	93.17
22 66 53 00-0238 EA 6" Double Glass Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	928.99 77.43	128.99
22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0093)		
22 66 53 00-0240 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	238.19 36.18	60.31
22 66 53 00-0241 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	298.94 38.69	64.50
22 66 53 00-0242 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	295.02 39.41	65.69
22 66 53 00-0243 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	392.46 45.52	75.85
22 66 53 00-0244 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	389.58 46.58	77.64
22 66 53 00-0245 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	435.38 49.09	81.81
22 66 53 00-0246 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	617.86 57.32	95.55
22 66 53 00-0247 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	657.73 59.84	99.73
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	765.48 66.65	111.08
22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact) (22 66 53 00-0093)		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	259.97 36.18	60.31
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	262.40 36.91	61.51
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) <i>For Work In Restricted Working Space, Add</i>	279.06 35.83	59.72
22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch) (22 66 53 00-0093)		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	251.07 26.52	44.19
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	275.86 27.59	45.98
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	317.32 31.53	52.55
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	463.54 41.92	69.88
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) <i>For Work In Restricted Working Space, Add</i>	860.63 58.06	96.74

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22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) (22 66 53 00-0093)			
22 66 53 00-0260	EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	252.77	45.39
	For Work In Restricted Working Space, Add	27.23	
22 66 53 00-0261	EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	287.94	49.56
	For Work In Restricted Working Space, Add	29.74	
22 66 53 00-0262	EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch).....	306.11	50.76
	For Work In Restricted Working Space, Add	30.46	
22 66 53 00-0263	EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	355.71	61.51
	For Work In Restricted Working Space, Add	36.91	
22 66 53 00-0264	EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch).....	375.72	62.11
	For Work In Restricted Working Space, Add	37.26	
22 66 53 00-0265	EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch).....	411.57	63.90
	For Work In Restricted Working Space, Add	38.35	
22 66 53 00-0266	EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch).....	590.43	81.81
	For Work In Restricted Working Space, Add	49.09	
22 66 53 00-0267	EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch).....	671.17	87.79
	For Work In Restricted Working Space, Add	52.67	
22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increases (22 66 53 00-0093)			
22 66 53 00-0269	EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	94.56	29.87
	For Eccentric Reducers Or Increases, Add	2.79	
	For Work In Restricted Working Space, Add	17.92	
22 66 53 00-0270	EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	116.22	32.25
	For Eccentric Reducers Or Increases, Add	4.14	
	For Work In Restricted Working Space, Add	19.35	
22 66 53 00-0271	EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaser.....	123.61	32.84
	For Eccentric Reducers Or Increases, Add	4.63	
	For Work In Restricted Working Space, Add	19.71	
22 66 53 00-0272	EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	157.34	38.22
	For Eccentric Reducers Or Increases, Add	6.47	
	For Work In Restricted Working Space, Add	22.93	
22 66 53 00-0273	EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaser.....	163.55	38.81
	For Eccentric Reducers Or Increases, Add	6.87	
	For Work In Restricted Working Space, Add	23.29	
22 66 53 00-0274	EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaser.....	174.09	40.61
	For Eccentric Reducers Or Increases, Add	7.43	
	For Work In Restricted Working Space, Add	24.37	
22 66 53 00-0275	EA 6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	329.54	47.18
	For Eccentric Reducers Or Increases, Add	18.81	
	For Work In Restricted Working Space, Add	28.31	
22 66 53 00-0276	EA 6" x 2" Glass Acid Resistant DWV Reducer Or Increaser.....	345.65	47.77
	For Eccentric Reducers Or Increases, Add	20.01	
	For Work In Restricted Working Space, Add	28.67	
22 66 53 00-0277	EA 6" x 3" Glass Acid Resistant DWV Reducer Or Increaser.....	366.33	49.56
	For Eccentric Reducers Or Increases, Add	21.38	
	For Work In Restricted Working Space, Add	29.74	
22 66 53 00-0278	EA 6" x 4" Glass Acid Resistant DWV Reducer Or Increaser.....	386.00	55.54
	For Eccentric Reducers Or Increases, Add	21.99	
	For Work In Restricted Working Space, Add	33.32	
22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)			
22 66 53 00-0280	EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	210.99	44.19
	For Work In Restricted Working Space, Add	26.52	
22 66 53 00-0281	EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	225.02	45.39
	For Work In Restricted Working Space, Add	27.23	
22 66 53 00-0282	EA 2" Glass Acid Resistant DWV Swivel P-Trap.....	250.72	45.98
	For Work In Restricted Working Space, Add	27.59	
22 66 53 00-0283	EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	226.89	44.19
	For Work In Restricted Working Space, Add	26.52	
22 66 53 00-0284	EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	245.27	45.39
	For Work In Restricted Working Space, Add	27.23	
22 66 53 00-0285	EA 2" Glass Acid Resistant DWV Swivel P-Trap.....	273.58	45.98
	For Work In Restricted Working Space, Add	27.59	
22 66 53 00-0286	EA 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	231.24	44.19
	For Work In Restricted Working Space, Add	26.52	
22 66 53 00-0287	EA 2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	245.27	45.39
	For Work In Restricted Working Space, Add	27.23	
22 66 53 00-0288	EA 2" Glass Acid Resistant DWV Swivel P-Trap.....	273.58	45.98
	For Work In Restricted Working Space, Add	27.59	
22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)			
22 66 53 00-0290	EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	280.67	44.19
	For Work In Restricted Working Space, Add	26.52	
22 66 53 00-0291	EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	348.81	45.39
	For Work In Restricted Working Space, Add	27.23	
22 66 53 00-0292	EA 2" Glass Acid Resistant DWV Drum P-Trap.....	358.73	45.98
	For Work In Restricted Working Space, Add	27.59	
22 66 53 00-0293	EA 1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	307.13	44.19
	For Work In Restricted Working Space, Add	26.52	
22 66 53 00-0294	EA 2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	324.97	45.39
	For Work In Restricted Working Space, Add	27.23	
22 66 53 00-0295	EA 2" Glass Acid Resistant DWV Drum P-Trap.....	363.84	45.98
	For Work In Restricted Working Space, Add	27.59	

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22 66 53 00-0296		Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)		
22 66 53 00-0297	EA	1-1/2" Glass Acid Resistant DWV Cleanout Plug <i>For Work In Restricted Working Space, Add</i>	46.09 8.96	14.93
22 66 53 00-0298	EA	2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	51.52 9.32	15.53
22 66 53 00-0299	EA	3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	63.93 10.39	17.32
22 66 53 00-0300	EA	4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	99.28 13.97	23.29
22 66 53 00-0301	EA	6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	141.48 19.35	32.25
22 66 53 00-0302		Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)		
22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap <i>For Work In Restricted Working Space, Add</i>	582.08 35.12	58.52
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	60.03 8.96	14.93
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly <i>For Work In Restricted Working Space, Add</i>	65.80 8.96	14.93
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	95.43 17.92	29.87
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	181.33 18.63	31.05
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	183.51 18.63	31.05
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	205.29 18.63	31.05
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings <i>For Work In Restricted Working Space, Add</i>	169.57 18.63	31.05
22 66 53 00-0311		Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters (22 66 53 00-0093) Note: Includes teflon spacer.		
22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	168.93 26.44	44.08
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	176.39 27.73	46.22
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	239.29 31.61	52.67
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	339.22 41.96	70.00
22 66 53 00-0316		Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093) Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	27.33	
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	34.48	
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	46.09	
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	77.67	
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	180.92	
22 66 53 00-0322		Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings (22 66 53 00-0093) Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	35.24	
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	44.10	
22 66 53 00-0325	EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	74.87	
22 66 53 00-0326	EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	111.60	
22 66 53 00-0327	EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	272.12	
22 66 53 00-0328		Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53) Note: Acid resistant. ASTM A518.		
22 66 53 00-0329		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0328)		
22 66 53 00-0330	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	114.20	10.63
22 66 53 00-0331	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	160.64	13.26
22 66 53 00-0332	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	218.42	15.29
22 66 53 00-0333	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	357.97	21.25
22 66 53 00-0334	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	631.29	28.48
22 66 53 00-0335	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,115.80	35.92
22 66 53 00-0336	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,988.97	48.38
22 66 53 00-0337	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	3,541.28	55.47
22 66 53 00-0338		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0328)		

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22 66 53 00-0339		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps ^(22 66 53 00-0338)	
22 66 53 00-0340	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	459.21 90.53
22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	599.21 99.61
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	970.78 119.20
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,441.13 140.33
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	3,307.64 228.86
22 66 53 00-0345		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends ^(22 66 53 00-0338)	
22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	269.58 90.53
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	350.09 99.61
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	439.08 119.20
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,147.39 140.33
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,800.07 228.86
22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,946.27 285.13
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	5,792.13 342.89
22 66 53 00-0353		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends ^(22 66 53 00-0338)	
22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	269.58 90.53
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	350.09 99.61
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	439.08 119.20
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	842.50 140.33
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,205.94 228.86
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,221.78 285.13
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	4,565.69 342.89
22 66 53 00-0361		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends ^(22 66 53 00-0338)	
22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	269.58 90.53
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	350.09 99.61
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	438.79 119.08
22 66 53 00-0365		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps ^(22 66 53 00-0338)	
22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	366.26 90.53
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	643.83 99.61
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	721.66 119.20
22 66 53 00-0369		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees ^(22 66 53 00-0338)	
22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	381.60 135.45
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	477.94 150.14
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	662.95 179.28
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,097.00 210.88
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,344.68 343.58
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	4,746.10 429.02
22 66 53 00-0376		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees ^(22 66 53 00-0338)	
22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	358.29 129.83
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	417.24 139.39
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	465.43 144.28
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	532.62 159.33
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	569.97 164.35
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	625.48 169.25
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	776.19 182.49
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	860.71 187.19
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	962.83 195.79
22 66 53 00-0386		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees ^(22 66 53 00-0338)	
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	433.59 135.45
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	521.97 149.78
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	711.23 179.28
22 66 53 00-0390		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees ^(22 66 53 00-0338)	
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	410.30 129.83
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	511.06 145.00
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	615.29 164.83
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	659.69 169.73
22 66 53 00-0395		Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes ^(22 66 53 00-0338)	
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	378.13 135.69
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	518.84 150.14
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	662.73 179.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0399	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	1,103.22	210.11
22 66 53 00-0400	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	4,184.46	343.24
22 66 53 00-0401 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0338)					
22 66 53 00-0402	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	388.00	129.83
22 66 53 00-0403	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	417.18	139.39
22 66 53 00-0404	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	440.66	145.12
22 66 53 00-0405	EA		4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	491.72	159.33
22 66 53 00-0406	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	510.77	164.59
22 66 53 00-0407	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	611.36	169.73
22 66 53 00-0408	EA		6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	816.80	182.71
22 66 53 00-0409	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	968.53	187.19
22 66 53 00-0410	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,011.17	195.79
22 66 53 00-0411	EA		8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,463.90	276.89
22 66 53 00-0412	EA		8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,659.79	286.05
22 66 53 00-0413	EA		8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,250.53	300.69
22 66 53 00-0414 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0338)					
22 66 53 00-0415	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	448.40	135.45
22 66 53 00-0416	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	533.13	149.78
22 66 53 00-0417	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	785.60	179.28
22 66 53 00-0418	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	1,200.29	210.33
22 66 53 00-0419 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0338)					
22 66 53 00-0420	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	373.12	129.83
22 66 53 00-0421	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	432.05	139.39
22 66 53 00-0422	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	477.59	145.00
22 66 53 00-0423	EA		4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	517.74	159.33
22 66 53 00-0424	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	596.70	164.83
22 66 53 00-0425	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	674.49	169.61
22 66 53 00-0426	EA		6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	865.06	182.71
22 66 53 00-0427	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	1,076.44	187.30
22 66 53 00-0428	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	1,178.97	196.12
22 66 53 00-0429 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers (22 66 53 00-0338)					
22 66 53 00-0430	EA		2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	231.94	85.28
22 66 53 00-0431	EA		3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	253.95	90.06
22 66 53 00-0432	EA		3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	283.44	94.84
22 66 53 00-0433	EA		4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	451.40	105.11
22 66 53 00-0434	EA		4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	473.45	110.01
22 66 53 00-0435	EA		6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	510.22	117.07
22 66 53 00-0436	EA		6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	661.18	126.02
22 66 53 00-0437	EA		8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	960.05	171.68
22 66 53 00-0438	EA		8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,022.77	186.20
22 66 53 00-0439 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers (22 66 53 00-0338)					
22 66 53 00-0440	EA		2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	618.36	199.11
22 66 53 00-0441	EA		2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	811.71	199.11
22 66 53 00-0442	EA		3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	829.06	199.11
22 66 53 00-0443	EA		4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	930.50	261.09
22 66 53 00-0444 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0338)					
22 66 53 00-0445	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	678.58	90.53
22 66 53 00-0446	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	818.58	99.61
22 66 53 00-0447	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	996.81	119.20
22 66 53 00-0448	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	2,920.97	140.33
22 66 53 00-0449 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs (22 66 53 00-0338)					
22 66 53 00-0450	EA		2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	340.23	90.53
22 66 53 00-0451	EA		3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	428.17	99.61
22 66 53 00-0452	EA		4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	587.81	119.20
22 66 53 00-0453	EA		6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	752.64	140.33
22 66 53 00-0454	EA		8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	1,461.11	195.79
22 66 53 00-0455 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0328)					
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.					
22 66 53 00-0456	LB		Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	6.73	

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22 66 53 00-0457	LB	Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	68.17	
22 66 53 00-0458		Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
		Note: ASTM A518.		
22 66 53 00-0459		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0458)		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	90.59	8.00
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	103.06	8.84
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	142.09	11.11
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	179.15	12.90
22 66 53 00-0464		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0458)		
22 66 53 00-0465		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0464)		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	336.80	63.42
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	364.05	71.67
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	497.75	79.07
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	600.67	95.55
22 66 53 00-0470		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0464)		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	191.79	63.42
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	229.09	70.94
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	293.66	79.31
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	383.94	94.84
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	223.17	67.01
22 66 53 00-0476		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	191.79	63.42
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	229.09	70.94
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	293.66	79.31
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	383.94	94.84
22 66 53 00-0481		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends (22 66 53 00-0464)		
22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	225.26	63.42
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	281.14	70.94
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	431.24	79.31
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	484.33	94.84
22 66 53 00-0486		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends (22 66 53 00-0464)		
22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	217.82	63.42
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	258.84	70.94
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	397.77	79.31
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	450.87	94.84
22 66 53 00-0491		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends (22 66 53 00-0464)		
22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	329.00	95.43
22 66 53 00-0493		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees (22 66 53 00-0464)		
22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	269.51	95.43
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	332.20	107.49
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	436.17	119.80
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	657.45	143.45
22 66 53 00-0498		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees (22 66 53 00-0464)		
22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	311.26	103.44
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	379.13	111.56
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	403.63	115.49
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	432.69	127.44
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	475.34	131.03
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	514.77	134.97
22 66 53 00-0505		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes (22 66 53 00-0464)		
22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	269.98	95.80
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	317.32	107.49
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	421.29	119.80

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	657.45	143.45
22 66 53 00-0510		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes (22 66 53 00-0464)		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	300.91	104.03
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	367.94	111.44
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	385.56	115.86
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	433.26	127.81
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	476.43	131.74
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	504.11	135.32
22 66 53 00-0517		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes (22 66 53 00-0464)		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	403.19	127.56
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	512.63	143.57
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	654.56	158.86
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	851.51	190.99
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	444.27	135.08
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	497.09	143.10
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	590.82	150.98
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	652.19	167.21
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	783.89	175.70
22 66 53 00-0527		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses (22 66 53 00-0464)		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	447.74	127.56
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	527.21	143.33
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	752.58	159.69
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,048.88	191.23
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	481.38	135.08
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	627.19	143.10
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	661.38	150.98
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	707.91	167.10
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	898.22	174.98
22 66 53 00-0537		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	298.77	95.07
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	347.07	107.49
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	421.29	119.80
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	698.35	143.45
22 66 53 00-0542		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	329.94	103.56
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	368.42	111.80
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	400.43	115.86
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	541.09	127.81
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	554.52	131.74
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	619.38	135.32
22 66 53 00-0549		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	473.49	127.32
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	594.03	143.21
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	852.12	159.21
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	1,023.46	191.58
22 66 53 00-0554		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0464)		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	514.85	135.08
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	615.99	142.97
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	642.79	150.98
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	715.34	167.10
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	898.22	174.98

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
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22 66 53 00-0560	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers (22 66 53 00-0464)		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	224.17 67.72
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	252.45 71.67
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	296.39 83.61
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	349.62 79.43
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	370.44 83.36
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	391.27 87.31
22 66 53 00-0567	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees (22 66 53 00-0464)		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	206.31 55.77
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	239.57 63.06
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	281.77 71.43
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	509.66 86.95
22 66 53 00-0572	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs (22 66 53 00-0464)		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	92.18 31.77
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	108.96 35.47
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	118.94 39.66
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	152.93 47.42
22 66 53 00-0577	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0464)		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	373.42 63.06
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	385.25 70.94
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	475.86 79.31
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	607.03 94.84
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	518.06 67.84
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	712.21 75.72
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	861.51 83.61
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,071.39 99.61
22 66 53 00-0586	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps (22 66 53 00-0464)		
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	691.69 72.02
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	1,089.90 79.67
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	721.00 71.67
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	1,089.90 79.67
22 66 53 00-0591	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps (22 66 53 00-0464)		
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	642.92 71.67
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	755.26 79.67
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	743.31 71.67
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	1,629.03 79.67
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	970.91 79.67
22 66 53 00-0597	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends (22 66 53 00-0464)		
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	270.30 63.78
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	352.89 71.67
22 66 53 00-0600	Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters (22 66 53 00-0464)		
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	138.60 47.77
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	252.39 51.84
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	186.26 59.72
22 66 53 00-0604	Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter (22 66 53 00-0464)		
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	258.12 67.96
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	282.19 71.67
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	314.19 75.60
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	336.98 83.36
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	314.25 75.72
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	331.32 79.67
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	357.81 87.31
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	404.27 83.61
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	498.82 99.61
22 66 53 00-0614	Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0464)		

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	89.24		
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	104.11		
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	111.55		
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	122.70		
22 66 53 00-0619		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 66 53 00-0464)			
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	661.27		31.89
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	250.70		15.88
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	466.35		15.88
22 66 53 00-0623		Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates (22 66 53 00-0464)			
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	2,373.12		159.33
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	2,927.91		167.33
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	1,964.77		15.88
22 66 53 00-0627		Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618) (22 66 53)			
22 66 53 00-0628		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe (22 66 53 00-0627)			
		Note: Excludes fittings or hangers.			
22 66 53 00-0629	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	13.42		5.01
22 66 53 00-0630	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	16.99		5.97
22 66 53 00-0631	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	27.35		8.60
22 66 53 00-0632	LF	4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	34.51		9.32
22 66 53 00-0633	LF	6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	53.91		11.18
22 66 53 00-0634	LF	8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	116.85		14.87
22 66 53 00-0635		Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings (22 66 53 00-0627)			
22 66 53 00-0636		Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends (22 66 53 00-0635)			
22 66 53 00-0637	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	52.63		19.95
		Note: 0.125			
		For Work In Restricted Working Space, Add	8.96		
22 66 53 00-0638	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	66.50		25.44
		Note: 0.16			
		For Work In Restricted Working Space, Add	11.47		
22 66 53 00-0639	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	99.39		34.16
		Note: 0.215			
		For Work In Restricted Working Space, Add	15.41		
22 66 53 00-0640	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	136.13		39.77
		Note: 0.25			
		For Work In Restricted Working Space, Add	17.92		
22 66 53 00-0641	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	275.37		51.72
		Note: 0.325			
		For Work In Restricted Working Space, Add	23.29		
22 66 53 00-0642	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	380.12		69.64
		Note: 0.438			
		For Work In Restricted Working Space, Add	31.35		
22 66 53 00-0643		Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends (22 66 53 00-0635)			
22 66 53 00-0644	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	53.42		19.95
		For Work In Restricted Working Space, Add	8.96		
22 66 53 00-0645	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	70.33		25.44
		For Work In Restricted Working Space, Add	11.47		
22 66 53 00-0646	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	106.29		34.16
		For Work In Restricted Working Space, Add	15.41		
22 66 53 00-0647	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	138.66		39.77
		For Work In Restricted Working Space, Add	17.92		
22 66 53 00-0648		Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends (22 66 53 00-0635)			
22 66 53 00-0649	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	52.24		19.95
		For Work In Restricted Working Space, Add	8.96		
22 66 53 00-0650	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	65.46		25.44
		For Work In Restricted Working Space, Add	11.47		
22 66 53 00-0651	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	101.37		34.16
		For Work In Restricted Working Space, Add	15.41		
22 66 53 00-0652	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	116.39		39.77
		For Work In Restricted Working Space, Add	17.92		
22 66 53 00-0653	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	243.17		51.72
		For Work In Restricted Working Space, Add	23.29		
22 66 53 00-0654	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	343.18		69.64
		For Work In Restricted Working Space, Add	31.35		
22 66 53 00-0655		Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends (22 66 53 00-0635)			
22 66 53 00-0656	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends.....	52.69		19.95
		For Work In Restricted Working Space, Add	8.96		

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
22 66 53 00-0657	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... For Work In Restricted Working Space, Add	65.43 11.47		25.44	
22 66 53 00-0658	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... For Work In Restricted Working Space, Add	100.55 15.41		34.16	
22 66 53 00-0659	EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... For Work In Restricted Working Space, Add	122.82 17.92		39.77	
22 66 53 00-0660	EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... For Work In Restricted Working Space, Add	203.81 23.29		51.72	
22 66 53 00-0661	EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... For Work In Restricted Working Space, Add	234.61 31.35		69.64	
22 66 53 00-0662	Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends (22 66 53 00-0635)				
22 66 53 00-0663	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends..... For Work In Restricted Working Space, Add	263.68 23.11		51.36	
22 66 53 00-0664	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends..... For Work In Restricted Working Space, Add	203.32 17.20		38.22	
22 66 53 00-0665	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends..... For Work In Restricted Working Space, Add	128.32 13.44		29.87	
22 66 53 00-0666	Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees (22 66 53 00-0635)				
22 66 53 00-0667	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... For Work In Restricted Working Space, Add	73.07 13.44		29.87	
22 66 53 00-0668	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... For Work In Restricted Working Space, Add	91.21 17.20		38.22	
22 66 53 00-0669	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... For Work In Restricted Working Space, Add	144.83 23.11		51.36	
22 66 53 00-0670	EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... For Work In Restricted Working Space, Add	191.13 26.88		59.72	
22 66 53 00-0671	EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... For Work In Restricted Working Space, Add	454.92 34.94		77.52	
22 66 53 00-0672	EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... For Work In Restricted Working Space, Add	628.41 47.03		104.39	
22 66 53 00-0673	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees (22 66 53 00-0635)				
22 66 53 00-0674	EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	82.78 14.69		32.60	
22 66 53 00-0675	EA 2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	88.49 15.95		35.35	
22 66 53 00-0676	EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	86.96 15.95		35.35	
22 66 53 00-0677	EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	125.13 19.89		44.19	
22 66 53 00-0678	EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	133.73 21.14		46.94	
22 66 53 00-0679	EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	169.57 23.65		52.55	
22 66 53 00-0680	EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	180.19 25.62		56.85	
22 66 53 00-0681	EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	344.50 32.25		71.55	
22 66 53 00-0682	EA 8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... For Work In Restricted Working Space, Add	752.44 40.31		89.46	
22 66 53 00-0683	Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees (22 66 53 00-0635)				
22 66 53 00-0684	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees..... For Work In Restricted Working Space, Add	102.33 17.92		39.77	
22 66 53 00-0685	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees..... For Work In Restricted Working Space, Add	126.69 22.93		50.88	
22 66 53 00-0686	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees..... For Work In Restricted Working Space, Add	169.91 30.82		68.44	
22 66 53 00-0687	EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees..... For Work In Restricted Working Space, Add	209.12 35.83		79.55	
22 66 53 00-0688	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees (22 66 53 00-0635)				
22 66 53 00-0689	EA 2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee..... For Work In Restricted Working Space, Add	124.20 20.42		45.39	
22 66 53 00-0690	EA 3" x 3" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee..... For Work In Restricted Working Space, Add	148.30 24.37		54.10	
22 66 53 00-0691	EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee..... For Work In Restricted Working Space, Add	184.03 26.88		59.72	
22 66 53 00-0692	EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee..... For Work In Restricted Working Space, Add	170.82 29.38		65.22	
22 66 53 00-0693	EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee..... For Work In Restricted Working Space, Add	191.54 33.32		73.93	
22 66 53 00-0694	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers (22 66 53 00-0635)				
22 66 53 00-0695	EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... For Work In Restricted Working Space, Add	68.84 10.21		22.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0696	EA	3" x 1-1/2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	77.35 12.18	27.00
22 66 53 00-0697	EA	3" x 2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	118.28 13.44	29.87
22 66 53 00-0698	EA	4" x 2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	129.72 14.69	32.60
22 66 53 00-0699	EA	4" x 3"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	143.65 16.66	37.02
22 66 53 00-0700	EA	6" x 3"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	190.85 19.35	43.00
22 66 53 00-0701	EA	6" x 4"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	217.68 20.60	45.75
22 66 53 00-0702 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings (22 66 53 00-0635)					
22 66 53 00-0703	EA	2" x 1-1/2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	53.00 10.21	22.70
22 66 53 00-0704	EA	3" x 1-1/2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	60.65 12.18	27.00
22 66 53 00-0705	EA	3" x 2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	66.64 13.44	29.87
22 66 53 00-0706	EA	4" x 2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	97.46 14.69	32.60
22 66 53 00-0707	EA	4" x 3"	Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	105.16 16.66	37.02
22 66 53 00-0708	EA	6" x 3"	Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	155.52 19.35	43.00
22 66 53 00-0709	EA	6" x 4"	Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	155.49 20.60	45.75
22 66 53 00-0710	EA	8" x 4"	Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	397.69 24.65	54.71
22 66 53 00-0711	EA	8" x 6"	Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	420.30 27.34	60.68
22 66 53 00-0712 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps (22 66 53 00-0635)					
22 66 53 00-0713	EA	1-1/2"	Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	89.18 13.44	29.87
22 66 53 00-0714	EA	2"	Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	119.27 17.20	38.22
22 66 53 00-0715	EA	3"	Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	189.48 23.11	51.36
22 66 53 00-0716	EA	4"	Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	289.45 26.88	59.72
22 66 53 00-0717 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes (22 66 53 00-0635)					
22 66 53 00-0718	EA	1-1/2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	73.62 13.44	29.87
22 66 53 00-0719	EA	2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	97.77 17.20	38.22
22 66 53 00-0720	EA	3"	Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	149.12 23.11	51.36
22 66 53 00-0721	EA	4"	Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	194.65 26.88	59.72
22 66 53 00-0722	EA	6"	Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	383.16 34.94	77.52
22 66 53 00-0723	EA	8"	Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	447.06 47.03	104.39
22 66 53 00-0724 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes (22 66 53 00-0635)					
22 66 53 00-0725	EA	2" x 1-1/2" x 1-1/2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	80.48 14.69	32.60
22 66 53 00-0726	EA	2" x 2" x 1-1/2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	93.59 15.95	35.35
22 66 53 00-0727	EA	3" x 3" x 1-1/2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	128.35 19.89	44.19
22 66 53 00-0728	EA	3" x 3" x 2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	137.65 21.14	46.94
22 66 53 00-0729	EA	4" x 4" x 1-1/2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	141.34 22.40	49.68
22 66 53 00-0730	EA	4" x 4" x 2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	175.54 23.65	52.55
22 66 53 00-0731	EA	4" x 4" x 3"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	186.25 25.62	56.85
22 66 53 00-0732	EA	6" x 6" x 4"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	280.68 32.25	71.55
22 66 53 00-0733	EA	8" x 8" x 4"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	336.12 40.31	89.46
22 66 53 00-0734	EA	8" x 8" x 6"	Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	367.86 43.00	95.43
22 66 53 00-0735 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes (22 66 53 00-0635)					
22 66 53 00-0736	EA	1-1/2"	Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	113.81 17.92	39.77

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
22 66 53 00-0737	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	133.62	50.88	
		<i>For Work In Restricted Working Space, Add</i>	22.93		
22 66 53 00-0738	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	206.09	68.44	
		<i>For Work In Restricted Working Space, Add</i>	30.82		
22 66 53 00-0739	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	355.26	79.55	
		<i>For Work In Restricted Working Space, Add</i>	35.83		
22 66 53 00-0740	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	565.36	103.44	
		<i>For Work In Restricted Working Space, Add</i>	46.58		
22 66 53 00-0741 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes (22 66 53 00-0635)					
22 66 53 00-0742	EA	2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	153.89	45.39	
		<i>For Work In Restricted Working Space, Add</i>	20.42		
22 66 53 00-0743	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	195.17	59.72	
		<i>For Work In Restricted Working Space, Add</i>	26.88		
22 66 53 00-0744	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	319.98	73.93	
		<i>For Work In Restricted Working Space, Add</i>	33.32		
22 66 53 00-0745	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	463.80	91.49	
		<i>For Work In Restricted Working Space, Add</i>	41.21		
22 66 53 00-0746 Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends (22 66 53 00-0635)					
22 66 53 00-0747	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	82.43	29.87	
		<i>For Work In Restricted Working Space, Add</i>	13.44		
22 66 53 00-0748	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	107.55	38.22	
		<i>For Work In Restricted Working Space, Add</i>	17.20		
22 66 53 00-0749	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	157.22	51.36	
		<i>For Work In Restricted Working Space, Add</i>	23.11		
22 66 53 00-0750	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	203.46	59.72	
		<i>For Work In Restricted Working Space, Add</i>	26.88		
22 66 53 00-0751	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	424.24	77.52	
		<i>For Work In Restricted Working Space, Add</i>	34.94		
22 66 53 00-0752	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	723.08	104.39	
		<i>For Work In Restricted Working Space, Add</i>	47.03		
22 66 53 00-0753 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0635)					
22 66 53 00-0754	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	80.28	32.60	
		<i>For Work In Restricted Working Space, Add</i>	14.69		
22 66 53 00-0755	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	98.37	35.35	
		<i>For Work In Restricted Working Space, Add</i>	15.95		
22 66 53 00-0756	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	132.98	44.19	
		<i>For Work In Restricted Working Space, Add</i>	19.89		
22 66 53 00-0757	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	142.71	46.94	
		<i>For Work In Restricted Working Space, Add</i>	21.14		
22 66 53 00-0758	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	178.88	52.55	
		<i>For Work In Restricted Working Space, Add</i>	23.65		
22 66 53 00-0759	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	190.36	56.85	
		<i>For Work In Restricted Working Space, Add</i>	25.62		
22 66 53 00-0760	EA	6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	336.29	68.80	
		<i>For Work In Restricted Working Space, Add</i>	31.00		
22 66 53 00-0761	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	349.43	71.55	
		<i>For Work In Restricted Working Space, Add</i>	32.25		
22 66 53 00-0762 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0635)					
22 66 53 00-0763	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	120.83	39.77	
		<i>For Work In Restricted Working Space, Add</i>	17.92		
22 66 53 00-0764	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	175.72	50.88	
		<i>For Work In Restricted Working Space, Add</i>	22.93		
22 66 53 00-0765	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	273.35	68.44	
		<i>For Work In Restricted Working Space, Add</i>	30.82		
22 66 53 00-0766	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	442.79	79.55	
		<i>For Work In Restricted Working Space, Add</i>	35.83		
22 66 53 00-0767	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	605.83	103.44	
		<i>For Work In Restricted Working Space, Add</i>	46.58		
22 66 53 00-0768 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0635)					
22 66 53 00-0769	EA	2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	153.90	45.39	
		<i>For Work In Restricted Working Space, Add</i>	20.42		
22 66 53 00-0770	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	232.64	59.72	
		<i>For Work In Restricted Working Space, Add</i>	26.88		
22 66 53 00-0771	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	277.08	65.22	
		<i>For Work In Restricted Working Space, Add</i>	29.38		
22 66 53 00-0772	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	290.22	73.93	
		<i>For Work In Restricted Working Space, Add</i>	33.32		
22 66 53 00-0773	EA	6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	362.95	85.88	
		<i>For Work In Restricted Working Space, Add</i>	38.70		
22 66 53 00-0774	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	404.35	91.49	
		<i>For Work In Restricted Working Space, Add</i>	41.21		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 66 53 00-0775 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug (22 66 53 00-0635)					
22 66 53 00-0776	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees.....	78.47	29.87
			<i>For Work In Restricted Working Space, Add</i>	13.44	
22 66 53 00-0777	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees.....	94.53	38.22
			<i>For Work In Restricted Working Space, Add</i>	17.20	
22 66 53 00-0778	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees.....	155.05	51.36
			<i>For Work In Restricted Working Space, Add</i>	23.11	
22 66 53 00-0779	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees.....	195.83	59.72
			<i>For Work In Restricted Working Space, Add</i>	26.88	
22 66 53 00-0780	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees.....	403.36	77.52
			<i>For Work In Restricted Working Space, Add</i>	34.94	
22 66 53 00-0781	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug.....	20.02	9.91
			<i>For Work In Restricted Working Space, Add</i>	4.48	
22 66 53 00-0782	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug.....	24.68	12.66
			<i>For Work In Restricted Working Space, Add</i>	5.73	
22 66 53 00-0783	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug.....	35.41	17.08
			<i>For Work In Restricted Working Space, Add</i>	7.70	
22 66 53 00-0784	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug.....	40.78	19.83
			<i>For Work In Restricted Working Space, Add</i>	8.96	
22 66 53 00-0785	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug.....	64.26	25.80
			<i>For Work In Restricted Working Space, Add</i>	11.64	

22 66 53 00-0786 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug (22 66 53 00-0635)					
22 66 53 00-0787	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug.....	44.60	19.95
			<i>For Work In Restricted Working Space, Add</i>	8.96	
22 66 53 00-0788	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug.....	55.58	25.44
			<i>For Work In Restricted Working Space, Add</i>	11.47	
22 66 53 00-0789	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug.....	83.40	34.16
			<i>For Work In Restricted Working Space, Add</i>	15.41	
22 66 53 00-0790	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug.....	114.83	39.77
			<i>For Work In Restricted Working Space, Add</i>	17.92	
22 66 53 00-0791	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug.....	172.97	51.72
			<i>For Work In Restricted Working Space, Add</i>	23.29	
22 66 53 00-0792	EA		8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug.....	294.34	69.64
			<i>For Work In Restricted Working Space, Add</i>	31.39	

22 66 53 00-0793 Chlorinated Polyvinyl Chloride (CPVC) Couplings (22 66 53 00-0635)					
22 66 53 00-0794	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	47.65	19.95
			<i>For Work In Restricted Working Space, Add</i>	8.96	
22 66 53 00-0795	EA		2" Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	60.42	25.44
			<i>For Work In Restricted Working Space, Add</i>	11.47	
22 66 53 00-0796	EA		3" Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	79.76	34.16
			<i>For Work In Restricted Working Space, Add</i>	15.41	
22 66 53 00-0797	EA		4" Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	100.13	39.77
			<i>For Work In Restricted Working Space, Add</i>	17.92	
22 66 53 00-0798	EA		6" Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	141.70	51.72
			<i>For Work In Restricted Working Space, Add</i>	23.29	
22 66 53 00-0799	EA		8" Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	277.38	69.64
			<i>For Work In Restricted Working Space, Add</i>	31.39	

22 66 53 00-0800 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters (22 66 53 00-0635)					
22 66 53 00-0801	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	28.92	9.91
22 66 53 00-0802	EA		2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	38.17	12.78
22 66 53 00-0803	EA		3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	57.13	17.08
22 66 53 00-0804	EA		4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	90.32	19.95
22 66 53 00-0805	EA		6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	140.07	25.80

22 66 53 00-0806 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters (22 66 53 00-0635)					
22 66 53 00-0807	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	31.68	9.91
22 66 53 00-0808	EA		2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	44.25	12.78
22 66 53 00-0809	EA		3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	53.21	17.08
22 66 53 00-0810	EA		4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	87.27	19.95
22 66 53 00-0811	EA		6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	116.29	25.80

22 66 53 00-0812 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 66 53 00-0635)					
22 66 53 00-0813	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	28.76	9.91
22 66 53 00-0814	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	35.66	12.78
22 66 53 00-0815	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	54.28	17.08
22 66 53 00-0816	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	88.17	19.95
22 66 53 00-0817	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	112.69	25.80
22 66 53 00-0818	EA		8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	174.15	34.88

22 66 70 Healthcare Chemical-Waste and Vent Piping (22 66)

22 66 70 00-0001 Hemo-Dyalysis Supply And Waste Box (22 66 70)					
22 66 70 00-0002	EA		Stainless Steel Recessed Dialysis Supply And Waste Box With One Valve.....	1,681.85	64.86
22 66 70 00-0003	EA		Stainless Steel Recessed Dialysis Supply And Waste Box With Two Valves.....	1,901.15	64.86

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
22 66 83 Chemical-Waste Tanks (22 66)**22 66 83 16 Chemical-Waste Neutralization Tanks (22 66 83)****22 66 83 16-0001 Acid Neutralization Tank (22 66 83 16)****22 66 83 16-0002 Polyethylene Acid Neutralization Tank (22 66 83 16-0001)**

22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	609.56	243.23
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	1,107.71	337.27
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,375.99	486.44
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,765.91	648.59
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	2,269.08	778.31
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	3,106.15	972.89
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	3,582.59	1,216.12
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	4,655.66	1,459.33
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	5,282.53	1,751.20

22 66 83 16-0012 Polypropylene Acid Neutralization Tank (22 66 83 16-0001)

22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	1,008.91	243.23
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,740.01	337.27
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,768.87	486.44
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,649.12	648.59
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,617.91	778.31
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,259.78	972.89
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,726.72	1,216.12
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,399.58	1,459.33
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	9,076.36	1,751.20

22 66 83 16-0022 Chemical Dilution Trap (22 66 83 16)

22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	546.02	81.08
Note: 1-1/2" top inlet and side outlet with anti siphon.				
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	563.50	81.08
Note: 1-1/2" top inlet and side outlet with anti siphon.				
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	580.97	81.08
Note: 1-1/2" top inlet and side outlet with anti siphon.				
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap	636.52	97.28
Note: 1-1/2" top inlet and side outlet with anti siphon.				

22 67 Processed Water Systems for Laboratory and Healthcare Facilities (22 60)
22 67 13 Processed Water Piping for Laboratory and Healthcare Facilities (22 67)**22 67 13 53 Laboratory Water Piping (22 67 13)****22 67 13 53-0001 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe And Fittings (22 67 13 53)****22 67 13 53-0002 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe (22 67 13 53-0001)**

22 67 13 53-0003	LF	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	13.13	3.46
For Work In Restricted Working Space, Add			1.54	
22 67 13 53-0004	LF	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	16.53	4.30
For Work In Restricted Working Space, Add			1.92	
22 67 13 53-0005	LF	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	21.45	4.54
For Work In Restricted Working Space, Add			2.05	
22 67 13 53-0006	LF	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	34.43	5.01
For Work In Restricted Working Space, Add			2.24	
22 67 13 53-0007	LF	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	46.37	5.97
For Work In Restricted Working Space, Add			2.69	

22 67 13 53-0008 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbows (22 67 13 53-0001)

22 67 13 53-0009	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	49.50	12.78
For Work In Restricted Working Space, Add			5.78	
22 67 13 53-0010	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	60.82	17.08
For Work In Restricted Working Space, Add			7.71	
22 67 13 53-0011	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	72.70	21.26
For Work In Restricted Working Space, Add			9.56	
22 67 13 53-0012	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	115.37	33.92
For Work In Restricted Working Space, Add			15.25	
22 67 13 53-0013	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	142.18	43.12
For Work In Restricted Working Space, Add			19.37	

22 67 13 53-0014 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbows (22 67 13 53-0001)

22 67 13 53-0015	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	49.50	12.90
For Work In Restricted Working Space, Add			5.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0016	EA	3/4"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	60.82 7.71	17.08
22 67 13 53-0017	EA	1"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	72.70 9.56	21.26
22 67 13 53-0018	EA	1-1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	116.10 15.25	33.92
22 67 13 53-0019	EA	2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	142.18 19.37	43.12
22 67 13 53-0020 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tees (22 67 13 53-0001)					
22 67 13 53-0021	EA	1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee..... <i>For Work In Restricted Working Space, Add</i>	66.98 9.56	21.26
22 67 13 53-0022	EA	3/4"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee..... <i>For Work In Restricted Working Space, Add</i>	79.38 11.56	25.68
22 67 13 53-0023	EA	1"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee..... <i>For Work In Restricted Working Space, Add</i>	97.80 15.25	33.92
22 67 13 53-0024	EA	1-1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee..... <i>For Work In Restricted Working Space, Add</i>	162.85 23.12	51.36
22 67 13 53-0025	EA	2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee..... <i>For Work In Restricted Working Space, Add</i>	211.57 28.67	63.78
22 67 13 53-0026 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tees (22 67 13 53-0001)					
22 67 13 53-0027	EA	3/4" x 1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	153.49 10.75	23.89
22 67 13 53-0028	EA	1" x 1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	180.69 12.54	27.83
22 67 13 53-0029	EA	1" x 3/4"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	190.01 13.62	30.22
22 67 13 53-0030	EA	1-1/2" x 1"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	238.53 19.35	43.00
22 67 13 53-0031	EA	2" x 1-1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	287.82 25.80	57.33
22 67 13 53-0032 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Inserts (22 67 13 53-0001)					
22 67 13 53-0033	EA	3/4" x 1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	67.22 6.81	15.17
22 67 13 53-0034	EA	1" x 1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	80.20 7.88	17.55
22 67 13 53-0035	EA	1" x 3/4"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	91.14 8.96	19.95
22 67 13 53-0036	EA	1-1/2" x 1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	124.07 10.75	23.89
22 67 13 53-0037	EA	1-1/2" x 3/4"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	131.75 11.83	26.28
22 67 13 53-0038	EA	1-1/2" x 1"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	136.58 12.54	27.83
22 67 13 53-0039	EA	2" x 1-1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	205.60 17.56	39.06
22 67 13 53-0040 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapters (22 67 13 53-0001)					
22 67 13 53-0041	EA	1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	58.08 5.78	12.90
22 67 13 53-0042	EA	3/4"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	72.67 7.71	17.08
22 67 13 53-0043	EA	1"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	85.78 9.56	21.26
22 67 13 53-0044	EA	1-1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter <i>For Work In Restricted Working Space, Add</i>	124.36 15.25	33.92
22 67 13 53-0045	EA	2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter..... <i>For Work In Restricted Working Space, Add</i>	164.18 19.35	43.00
22 67 13 53-0046 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapters (22 67 13 53-0001)					
22 67 13 53-0047	EA	1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	58.08 5.78	12.90
22 67 13 53-0048	EA	3/4"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	72.67 7.71	17.08
22 67 13 53-0049	EA	1"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	85.78 9.56	21.26
22 67 13 53-0050	EA	1-1/2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	124.36 15.25	33.92
22 67 13 53-0051	EA	2"	Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	162.61 19.37	43.12
22 67 13 53-0052 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Couplings (22 67 13 53-0001)					

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 67 Processed Water Systems for Laboratory and Healthcare Facilities**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
22 67 13 53-0053	EA 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling <i>For Work In Restricted Working Space, Add</i>	38.06 5.78		12.90	
22 67 13 53-0054	EA 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling <i>For Work In Restricted Working Space, Add</i>	51.43 7.71		17.08	
22 67 13 53-0055	EA 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling <i>For Work In Restricted Working Space, Add</i>	65.35 9.56		21.26	
22 67 13 53-0056	EA 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling <i>For Work In Restricted Working Space, Add</i>	102.30 15.25		33.92	
22 67 13 53-0057	EA 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling <i>For Work In Restricted Working Space, Add</i>	136.46 19.37		43.12	
22 67 13 53-0058 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Unions					
(22 67 13 53-0001)					
22 67 13 53-0059	EA 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union <i>For Work In Restricted Working Space, Add</i>	160.54 9.56		21.26	
22 67 13 53-0060	EA 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union <i>For Work In Restricted Working Space, Add</i>	175.39 11.56		25.68	
22 67 13 53-0061	EA 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union <i>For Work In Restricted Working Space, Add</i>	203.61 15.25		33.92	
22 67 13 53-0062	EA 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union <i>For Work In Restricted Working Space, Add</i>	354.04 23.12		51.36	
22 67 13 53-0063	EA 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union <i>For Work In Restricted Working Space, Add</i>	492.64 28.67		63.78	
22 67 13 53-0064 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Caps (22					
67 13 53-0001)					
22 67 13 53-0065	EA 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	45.67 5.86		13.07	
22 67 13 53-0066	EA 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	55.92 7.71		17.08	
22 67 13 53-0067	EA 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	65.35 9.56		21.26	
22 67 13 53-0068	EA 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	103.11 15.25		33.92	
22 67 13 53-0069	EA 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap <i>For Work In Restricted Working Space, Add</i>	136.46 19.37		43.12	
22 67 13 53-0070 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb.					
Flanges (22 67 13 53-0001)					
22 67 13 53-0071	EA 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	80.87 9.56		21.50	
22 67 13 53-0072	EA 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	93.68 11.56		25.44	
22 67 13 53-0073	EA 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	115.20 15.25		34.28	
22 67 13 53-0074	EA 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	174.29 23.12		51.84	
22 67 13 53-0075	EA 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange <i>For Work In Restricted Working Space, Add</i>	208.31 28.67		63.78	
22 67 13 53-0076 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe					
And Fittings (22 67 13 53)					
22 67 13 53-0077 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe (22 67					
13 53-0076)					
22 67 13 53-0078	LF 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	14.79 1.54		3.46	
22 67 13 53-0079	LF 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	18.88 1.92		4.30	
22 67 13 53-0080	LF 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	24.37 2.05		4.54	
22 67 13 53-0081	LF 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	30.68 2.24		5.01	
22 67 13 53-0082	LF 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe <i>For Work In Restricted Working Space, Add</i>	41.87 2.69		5.97	
22 67 13 53-0083 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90					
Degree Elbows (22 67 13 53-0076)					
22 67 13 53-0084	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	51.51 5.78		12.78	
22 67 13 53-0085	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	66.18 7.71		17.08	
22 67 13 53-0086	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	82.46 9.56		21.26	
22 67 13 53-0087	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	119.43 15.25		33.92	
22 67 13 53-0088	EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	157.53 19.37		43.12	
22 67 13 53-0089 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45					
Degree Elbows (22 67 13 53-0076)					

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0090 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	51.14 5.78	12.90
22 67 13 53-0091 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	66.37 7.71	17.08
22 67 13 53-0092 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	82.65 9.56	21.26
22 67 13 53-0093 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	122.05 15.25	33.92
22 67 13 53-0094 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	157.53 19.37	43.12
22 67 13 53-0095 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tees ^(22 67 13 53-0076)		
22 67 13 53-0096 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	70.28 9.56	21.26
22 67 13 53-0097 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	83.89 11.56	25.68
22 67 13 53-0098 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	104.24 15.25	33.92
22 67 13 53-0099 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	157.29 23.12	51.36
22 67 13 53-0100 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee <i>For Work In Restricted Working Space, Add</i>	202.02 28.67	63.78
22 67 13 53-0101 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tees ^(22 67 13 53-0076)		
22 67 13 53-0102 EA 3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	83.07 10.75	23.89
22 67 13 53-0103 EA 1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	102.52 12.54	27.83
22 67 13 53-0104 EA 1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	106.12 13.62	30.22
22 67 13 53-0105 EA 1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	151.85 19.35	43.00
22 67 13 53-0106 EA 2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee <i>For Work In Restricted Working Space, Add</i>	195.66 25.80	57.33
22 67 13 53-0107 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Inserts ^(22 67 13 53-0076)		
22 67 13 53-0108 EA 3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	59.24 6.81	15.17
22 67 13 53-0109 EA 1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	67.13 7.88	17.55
22 67 13 53-0110 EA 1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	70.72 8.96	19.95
22 67 13 53-0111 EA 1-1/2" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	92.44 10.75	23.89
22 67 13 53-0112 EA 1-1/2" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	96.03 11.83	26.28
22 67 13 53-0113 EA 1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	98.41 12.54	27.83
22 67 13 53-0114 EA 2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert <i>For Work In Restricted Working Space, Add</i>	137.26 17.56	39.06
22 67 13 53-0115 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapters ^(22 67 13 53-0076)		
22 67 13 53-0116 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter <i>For Work In Restricted Working Space, Add</i>	51.51 5.78	12.90
22 67 13 53-0117 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter <i>For Work In Restricted Working Space, Add</i>	65.05 7.71	17.08
22 67 13 53-0118 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter <i>For Work In Restricted Working Space, Add</i>	76.65 9.56	21.26
22 67 13 53-0119 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter <i>For Work In Restricted Working Space, Add</i>	105.18 15.25	33.92
22 67 13 53-0120 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter <i>For Work In Restricted Working Space, Add</i>	149.23 19.35	43.00
22 67 13 53-0121 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapters ^(22 67 13 53-0076)		
22 67 13 53-0122 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	51.51 5.78	12.90
22 67 13 53-0123 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	65.05 7.71	17.08
22 67 13 53-0124 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	76.65 9.56	21.26
22 67 13 53-0125 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	105.18 15.25	33.92
22 67 13 53-0126 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter <i>For Work In Restricted Working Space, Add</i>	149.29 19.37	43.12

22 Plumbing**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 67 Processed Water Systems for Laboratory and Healthcare Facilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
22 67 13 53-0127 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion**Couplings** (22 67 13 53-0076)

22 67 13 53-0128	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	48.32	12.90
	<i>For Work In Restricted Working Space, Add</i>	5.78	
22 67 13 53-0129	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	61.31	17.08
	<i>For Work In Restricted Working Space, Add</i>	7.71	
22 67 13 53-0130	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	72.53	21.26
	<i>For Work In Restricted Working Space, Add</i>	9.56	
22 67 13 53-0131	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	104.43	33.92
	<i>For Work In Restricted Working Space, Add</i>	15.25	
22 67 13 53-0132	EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	134.67	43.12
	<i>For Work In Restricted Working Space, Add</i>	19.37	

22 67 13 53-0133 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Unions

(22 67 13 53-0076)

22 67 13 53-0134	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	161.19	
	<i>For Work In Restricted Working Space, Add</i>	9.56	
22 67 13 53-0135	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	186.61	25.68
	<i>For Work In Restricted Working Space, Add</i>	11.56	
22 67 13 53-0136	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	225.90	33.92
	<i>For Work In Restricted Working Space, Add</i>	15.25	
22 67 13 53-0137	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	371.35	51.36
	<i>For Work In Restricted Working Space, Add</i>	23.12	
22 67 13 53-0138	EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	483.57	63.78
	<i>For Work In Restricted Working Space, Add</i>	28.67	

22 67 13 53-0139 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Caps (22

67 13 53-0076)

22 67 13 53-0140	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	48.57	13.07
	<i>For Work In Restricted Working Space, Add</i>	5.86	
22 67 13 53-0141	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	61.31	17.08
	<i>For Work In Restricted Working Space, Add</i>	7.71	
22 67 13 53-0142	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	72.34	21.26
	<i>For Work In Restricted Working Space, Add</i>	9.56	
22 67 13 53-0143	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	104.80	33.92
	<i>For Work In Restricted Working Space, Add</i>	15.25	
22 67 13 53-0144	EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	134.67	43.12
	<i>For Work In Restricted Working Space, Add</i>	19.37	

22 67 13 53-0145 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb.**Flanges** (22 67 13 53-0076)

22 67 13 53-0146	EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	94.08	21.50
	<i>For Work In Restricted Working Space, Add</i>	9.56	
22 67 13 53-0147	EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	108.26	25.44
	<i>For Work In Restricted Working Space, Add</i>	11.56	
22 67 13 53-0148	EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	130.67	34.28
	<i>For Work In Restricted Working Space, Add</i>	15.25	
22 67 13 53-0149	EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	188.03	51.84
	<i>For Work In Restricted Working Space, Add</i>	23.12	
22 67 13 53-0150	EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	234.26	63.78
	<i>For Work In Restricted Working Space, Add</i>	28.67	

END OF SECTION 22

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems (23)

23 01 10 Operation and Maintenance of Facility Fuel Systems (23 01)

23 01 10 91 Facility Fuel Systems Restoration (23 01 10)

23 01 10 91-0001 Professional Certification For Hospital (23 01 10 91)

23 01 10 91-0002 HR Hospital/Lab Certification - Oxygen, Air, Water Lines, Medical Gases, Nitrogen And Vacuum 207.29

23 01 10 91-0003 Purge Gas Systems (23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0004 EA Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems..... 599.22
23 01 10 91-0005 EA >100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems..... 855.94
23 01 10 91-0006 EA >250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems..... 898.91
23 01 10 91-0007 EA >500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems..... 991.63
23 01 10 91-0008 EA >1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems..... 1,796.07
23 01 10 91-0009 EA Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems..... 805.77
23 01 10 91-0010 EA >100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems..... 1,158.13
23 01 10 91-0011 EA >250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems..... 1,226.65
23 01 10 91-0012 EA >500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems..... 1,612.60
23 01 10 91-0013 EA >1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems..... 2,497.63
23 01 10 91-0014 EA Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems..... 956.15
23 01 10 91-0015 EA >100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems..... 1,409.22
23 01 10 91-0016 EA >250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems..... 3,246.33
23 01 10 91-0017 EA >500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems..... 5,074.76
23 01 10 91-0018 EA >1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems..... 9,539.20

23 01 20 Operation and Maintenance of HVAC Piping and Pumps (23 01)

23 01 20 91 HVAC Piping and Pumps Restoration (23 01 20)

See CSI section 22 01 10 61-0001 for pipe repair clamps, 22 01 10 61-0074 for repair and tape HVAC pipe insulation seam.

23 01 20 91-0001 Lock Out/Tag Out System (23 01 20 91)

23 01 20 91-0002 EA Up To 1", Lock Out/Tag Out Valve..... 32.43
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).
23 01 20 91-0003 EA >1" To 3", Lock Out/Tag Out Valve..... 38.92
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).
23 01 20 91-0004 EA >3" To 6", Lock Out/Tag Out Valve..... 45.41
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).
23 01 20 91-0005 EA >6" To 10", Lock Out/Tag Out Valve..... 51.89
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).
23 01 20 91-0006 EA >10" To 14", Lock Out/Tag Out Valve..... 64.86
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).
23 01 20 91-0007 EA Lock Out Padlock..... 12.97
23 01 20 91-0008 EA Lock Out Tags 5.33

23 01 20 91-0009 Freeze Pipe Using CO2 Kit (23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010 EA Up To 2" Freeze Pipe Using CO2 Kit..... 389.25

23 01 20 91-0011 Pipe Freezing (23 01 20 91)

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012 EA Up To 1" Pipe Freezing, First Location 706.72
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0013 EA Up To 1" Pipe Freezing, Each Additional Location After First 388.08
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0014 EA >1" To 1-1/2" Pipe Freezing, First Location 853.35
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0015 EA >1" To 1-1/2" Pipe Freezing, Each Additional Location After First 448.03
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0016 EA >1-1/2" To 2" Pipe Freezing, First Location 1,165.24
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0017 EA >1-1/2" To 2" Pipe Freezing, Each Additional Location After First 508.15
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0018 EA >2" To 3" Pipe Freezing, First Location 1,328.37
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0019 EA >2" To 3" Pipe Freezing, Each Additional Location After First 596.15
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0020 EA >3" To 4" Pipe Freezing, First Location 1,930.18
Note: Includes freezing on each side of valve or fitting.
23 01 20 91-0021 EA >3" To 4" Pipe Freezing, Each Additional Location After First 688.63
Note: Includes freezing on each side of valve or fitting.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	3,922.97
23 01 20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	896.69
23 01 20 91-0024	EA	>6" To 8" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,219.02
23 01 20 91-0025	EA	>6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,310.28
23 01 20 91-0026	EA	>8" To 10" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	7,188.93
23 01 20 91-0027	EA	>8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,777.78
23 01 20 91-0028	EA	>10" To 12" Pipe Freezing, First Location..... Note: Includes freezing on each side of valve or fitting.	9,245.16
23 01 20 91-0029	EA	>10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,298.58

23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing (23 01 20 91)

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2,000, Deduct For >2,000, Deduct	2.06 -0.18 -0.38 -0.59
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2,000, Deduct For >2,000, Deduct	2.80 -0.24 -0.51 -0.79
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2,000, Deduct For >2,000, Deduct	4.22 -0.36 -0.77 -1.17
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2,000, Deduct For >2,000, Deduct	5.71 -0.49 -1.03 -1.57
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2,000, Deduct For >2,000, Deduct	6.93 -0.58 -1.23 -1.88
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2,000, Deduct For >2,000, Deduct	8.70 -0.73 -1.54 -2.35
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2,000, Deduct For >2,000, Deduct	11.54 -0.97 -2.05 -3.13
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing For >250 To 500, Deduct For >500 To 2,000, Deduct For >2,000, Deduct	13.84 -1.17 -2.46 -3.76

23 01 20 91-0039 Shut Down Existing Piping System (23 01 20 91)

23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	269.79
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23 01 20 91-0041 Purge Liquid Systems (23 01 20 91)

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System 23 01 20 91-0043 EA >50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System 23 01 20 91-0044 EA >100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System 23 01 20 91-0045 EA >250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System 23 01 20 91-0046 EA >500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System 23 01 20 91-0047 EA >1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System 23 01 20 91-0048 LF >2,000', Up To 3/4" Diameter Pipe, Purge Liquid System 23 01 20 91-0049 EA Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System 23 01 20 91-0050 EA >100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System 23 01 20 91-0051 EA >250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System 23 01 20 91-0052 EA >500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System 23 01 20 91-0053 EA >1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System 23 01 20 91-0054 LF >2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System 23 01 20 91-0055 EA Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System 23 01 20 91-0056 EA >100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System 23 01 20 91-0057 EA >250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System 23 01 20 91-0058 EA >500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System 23 01 20 91-0059 EA >1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System 23 01 20 91-0060 LF >2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System 23 01 20 91-0061 EA Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System 23 01 20 91-0062 EA >100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System 23 01 20 91-0063 EA >250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System 23 01 20 91-0064 EA >500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System 23 01 20 91-0065 EA >1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System 23 01 20 91-0066 LF >2,000', >3" To 6" Diameter Pipe, Purge Liquid System 23 01 20 91-0067 EA Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	205.03 256.29 365.80 438.34 547.93 712.32 0.35 426.97 609.80 730.66 913.32 1,187.32 0.59 597.76 853.73 1,022.92 1,278.65 1,662.25 0.84 821.92 1,173.87 1,246.17 1,557.71 2,025.03 1.01 1,109.59
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0068	EA	>100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	1,584.72	
23 01 20 91-0069	EA	>250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	1,682.33	
23 01 20 91-0070	EA	>500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,102.90	
23 01 20 91-0071	EA	>1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,733.78	
23 01 20 91-0072	LF	>2,000', >6" To 10" Diameter Pipe, Purge Liquid System.....	1.37	
23 01 20 91-0073 Special Cleaning Of Piping Systems (23 01 20 91)				
23 01 20 91-0074 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing (23 01 20 91-0073)				
23 01 20 91-0075	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing.....	2.45	
		For >250 To 500, Deduct	-0.21	
		For >500 To 2,000, Deduct	-0.44	
		For >2,000, Deduct	-0.67	
23 01 20 91-0076	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	3.99	
		For >250 To 500, Deduct	-0.33	
		For >500 To 2,000, Deduct	-0.71	
		For >2,000, Deduct	-1.08	
23 01 20 91-0077	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	5.56	
		For >250 To 500, Deduct	-0.46	
		For >500 To 2,000, Deduct	-0.98	
		For >2,000, Deduct	-1.49	
23 01 20 91-0078	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	7.16	
		For >250 To 500, Deduct	-0.60	
		For >500 To 2,000, Deduct	-1.26	
		For >2,000, Deduct	-1.92	
23 01 20 91-0079	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing	10.00	
		For >250 To 500, Deduct	-0.83	
		For >500 To 2,000, Deduct	-1.76	
		For >2,000, Deduct	-2.69	
23 01 20 91-0080 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)				
23 01 20 91-0081	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing.....	2.52	
		For >250 To 500, Deduct	-0.21	
		For >500 To 2,000, Deduct	-0.44	
		For >2,000, Deduct	-0.67	
23 01 20 91-0082	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	4.08	
		For >250 To 500, Deduct	-0.33	
		For >500 To 2,000, Deduct	-0.71	
		For >2,000, Deduct	-1.08	
23 01 20 91-0083	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	5.69	
		For >250 To 500, Deduct	-0.46	
		For >500 To 2,000, Deduct	-0.98	
		For >2,000, Deduct	-1.49	
23 01 20 91-0084	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	7.36	
		For >250 To 500, Deduct	-0.60	
		For >500 To 2,000, Deduct	-1.26	
		For >2,000, Deduct	-1.92	
23 01 20 91-0085	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing	10.25	
		For >250 To 500, Deduct	-0.83	
		For >500 To 2,000, Deduct	-1.76	
		For >2,000, Deduct	-2.69	
23 01 20 91-0086 Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing (23 01 20 91-0073)				
23 01 20 91-0087	LF	Up To 1", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing.....	2.54	
		For >250 To 500, Deduct	-0.21	
		For >500 To 2,000, Deduct	-0.44	
		For >2,000, Deduct	-0.67	
23 01 20 91-0088	LF	>1" To 2", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	4.12	
		For >250 To 500, Deduct	-0.33	
		For >500 To 2,000, Deduct	-0.71	
		For >2,000, Deduct	-1.08	
23 01 20 91-0089	LF	>2" To 3", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	5.74	
		For >250 To 500, Deduct	-0.46	
		For >500 To 2,000, Deduct	-0.98	
		For >2,000, Deduct	-1.49	
23 01 20 91-0090	LF	>3" To 4", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	7.43	
		For >250 To 500, Deduct	-0.60	
		For >500 To 2,000, Deduct	-1.26	
		For >2,000, Deduct	-1.92	
23 01 20 91-0091	LF	>4" To 6", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing	10.35	
		For >250 To 500, Deduct	-0.83	
		For >500 To 2,000, Deduct	-1.76	
		For >2,000, Deduct	-2.69	
23 01 20 91-0092 Add-A-Valve Emergency Shut Off Device (23 01 20 91)				
23 01 20 91-0093	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	407.12	
23 01 20 91-0094	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	512.69	
23 01 20 91-0095	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	710.77	
23 01 20 91-0096	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,088.16	
23 01 20 91-0097	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,343.73	
23 01 20 91-0098	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	2,030.20	

23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 30 Operation and Maintenance of HVAC Air Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)**23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment (23 01 30 51)**

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Interior Supply/Return Ductwork	4.30
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.08
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Interior Supply/Return Ductwork	5.39
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.35
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Interior Supply/Return Ductwork	7.23
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	1.81
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Interior Supply/Return Ductwork	10.25
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
		<i>For Exhaust Ductwork, Add</i>	2.56
23 01 30 51-0006	SF	Clean Exposed Exterior Of Metal Supply/Return Ductwork	0.63
		Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	
23 01 30 51-0007	LF	Clean Supply/Return Shafts	12.73
23 01 30 51-0008	EA	Clean Floor Transition	10.25
23 01 30 51-0009	SF	Clean Duct Dampers	14.47
23 01 30 51-0010	SF	Clean Duct Fire Dampers	28.95
23 01 30 51-0011	SF	Clean Louver	11.58
23 01 30 51-0012	EA	Clean Turning Vane Set	34.74
23 01 30 51-0013	EA	Clean Grille/Diffuser/Register	34.74
		Note: Includes removal and reinstallation.	
23 01 30 51-0014	LF	Clean Linear Diffuser	8.69
		Note: Includes removal and reinstallation.	
23 01 30 51-0015	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	116.99
		<i>For Stainless Steel, Add</i>	77.90
23 01 30 51-0016	EA	Clean Variable Air Volume (VAV) Unit	104.22
23 01 30 51-0017	EA	Clean Fan Powered Induction Unit (PIU) Unit	138.97
23 01 30 51-0018	EA	Clean Fan Coil Unit (FCU)	138.97
23 01 30 51-0019	EA	Clean Packaged Terminal Air Conditioning Unit	138.97
23 01 30 51-0020	EA	Clean Supply Or Return Fan	277.93
23 01 30 51-0021	EA	Clean Exhaust Fan	243.20
23 01 30 51-0022	EA	Clean Duct Coil	208.46
23 01 30 51-0023	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum	6.95
		Note: Excluding fan and coils.	
23 01 30 51-0024	EA	Clean Air Handling Unit Fan	277.93
23 01 30 51-0025	EA	Clean Air Handling Unit Coil	416.91
23 01 30 51-0026	SF	Clean Equipment Surfaces, Rust Reform And Prime	3.72
23 01 30 51-0027	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	4.41
23 01 30 51-0028	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.70
23 01 30 51-0029	EA	Cleaning Of Ductwork Minimum Set-up Charge	967.65
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
23 01 30 51-0030	SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.62

23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)**23 01 30 61-0001 Repair And Seal Ductwork (23 01 30 61)**

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

23 01 30 61-0002	SF	Repair, Taping And Sealing Of Ductwork	2.27
		Note: Clean, apply sealant and tape	

23 01 30 61-0003 Rework Sheet Metal Ductwork (23 01 30 61)

Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.

23 01 30 61-0004	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	35.38
23 01 30 61-0005	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	68.98
23 01 30 61-0006	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	91.14
23 01 30 61-0007	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	114.14
23 01 30 61-0008	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	159.19
23 01 30 61-0009	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	185.72
23 01 30 61-0010	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	212.25
23 01 30 61-0011	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	238.78

23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)**23 01 50 61 Central Heating Equipment Repair (23 01 50)****23 01 50 61-0001 Boiler Repairs (23 01 50 61)****23 01 50 61-0002 Setup And Maintenance (23 01 50 61-0001)**

23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance	2,769.36
		Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance	3,013.49
		Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	
		<i>For Burner Seals, Add</i>	676.94
		Note: Used when burner must be removed from door for maintenance.	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0005 EA Setup Charge For Boiler Water Side Maintenance.....	3,692.49	
Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.		
23 01 50 61-0006 EA Up To 100 HP, Hydrostatic Test - Boiler Maintenance	1,846.24	
Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0007 EA >100 HP, Hydrostatic Test - Boiler Maintenance	3,692.49	
Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0008 EA Removal And Replacement Of Handhole	115.39	
23 01 50 61-0009 EA Removal And Replacement Of Manhole.....	346.17	
23 01 50 61-0010 SF Sheet Metal Jacket Patch	13.42	
23 01 50 61-0011 Boiler Tube Replacement (23 01 50 61-0001)		
23 01 50 61-0012 EA Removal Of Up To 2" Boiler Tube	276.94	
23 01 50 61-0013 EA Removal Of >2" To 3" Boiler Tube.....	346.18	
23 01 50 61-0014 EA Removal Of >3" To 4" Boiler Tube.....	484.63	
23 01 50 61-0015 LF Place 1-1/2" Boiler Tube Into Position For Termination	12.52	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0016 LF Place 2" Boiler Tube Into Position For Termination	14.64	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0017 LF Place 2-1/2" Boiler Tube Into Position For Termination	16.79	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0018 LF Place 3" Boiler Tube Into Position For Termination	24.55	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0019 LF Place 3-1/2" Boiler Tube Into Position For Termination	28.91	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0020 LF Place 4" Boiler Tube Into Position For Termination	37.33	
Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0021 EA 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	34.62	
23 01 50 61-0022 EA 2" Rolled Boiler Tube Termination (2 Per New Tube).....	51.92	
23 01 50 61-0023 EA 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	69.23	
23 01 50 61-0024 EA 3" Rolled Boiler Tube Termination (2 Per New Tube).....	86.54	
23 01 50 61-0025 EA 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	103.85	
23 01 50 61-0026 EA 4" Rolled Boiler Tube Termination (2 Per New Tube).....	121.16	
23 01 50 61-0027 EA 1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	103.85	
23 01 50 61-0028 EA 2" Welded Boiler Tube Termination (2 Per New Tube).....	138.47	
23 01 50 61-0029 EA 2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	173.08	
23 01 50 61-0030 EA 3" Welded Boiler Tube Termination (2 Per New Tube).....	207.70	
23 01 50 61-0031 EA 3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	242.31	
23 01 50 61-0032 EA 4" Welded Boiler Tube Termination (2 Per New Tube).....	276.94	
23 01 50 61-0033 EA Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	409.01	
23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)		
23 01 50 61-0035 EA Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,983.15	
23 01 50 61-0036 EA Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	2,029.31	
23 01 50 61-0037 EA Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,595.99	
23 01 50 61-0038 EA Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	5,448.79	
23 01 50 61-0039 EA Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	3,973.46	
23 01 50 61-0040 EA Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	4,708.26	
23 01 50 61-0041 EA Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	8,783.41	
23 01 50 61-0042 EA Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	6,764.93	
23 01 50 61-0043 EA Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	7,376.40	
23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)		
23 01 50 61-0045 SF Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold	152.97	
Note: Includes support, linkages and removal of existing.		
23 01 50 61-0046 EA Prepare Cast Iron Boiler Grate Mold.....	2,233.41	
Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.		
23 01 50 61-0047 EA Removal And Replacement Of Stay Bolt.....	58.93	
23 01 50 61-0048 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001)		
Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0049 EA 700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	11,146.06	1,273.26
23 01 50 61-0050 EA 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	16,079.70	1,576.39
23 01 50 61-0051 EA 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	18,993.61	1,909.75
23 01 50 61-0052 EA 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	22,402.44	2,055.14
23 01 50 61-0053 Boiler And Chiller Water Treatment (23 01 50 61)		
Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0054 LB Boil Out Boiler And System With Caustic Soda	1.74	
Note: Includes disposal after treatment.		
23 01 50 61-0055 LB Boil Out Boiler And System With Trisodium Phosphate.....	2.62	
Note: Includes disposal after treatment.		
23 01 50 61-0056 GAL Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	163.43	

23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)

23 01 60 61 Central Cooling Equipment Repair (23 01 60)

23 01 60 61-0001 Cooling Tower Repairs (23 01 60 61)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 01 Operation and Maintenance of HVAC Systems****23 01 60 Operation and Maintenance of Central Cooling Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade.....	3,627.28
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade.....	4,276.51
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade.....	4,920.98
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade.....	5,814.27
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade.....	6,409.00
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade.....	4,004.54
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade.....	4,459.45
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade.....	5,241.37
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade.....	5,975.89
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade.....	6,584.85
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	995.66
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	1,033.68
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	1,104.88
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	1,287.43
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	1,595.54
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	2,157.21
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	2,268.68
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	2,435.89
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread).....	44.26
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill.....	26.84

23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)**23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)**

See CSI section 23 01 60 71-0005 for flushing pipe with nitrogen and vacuum removal of inert gases.

23 01 60 71-0002	LB	Recovery Of Refrigerant.....	13.72
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant.....	25.74
Note: Includes cleaning refrigerant gas prior to recharging.			
23 01 60 71-0004	LB	Recharging Of Refrigerant.....	11.56
Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units. See CSI section 23 23 23 00-0000 for refrigerants.			

23 01 60 71-0005 Flush And Cleaning Of Refrigerant Piping Systems With Nitrogen (23 01 60 71)

Note: Includes vacuum of nitrogen from pipe.

23 01 60 71-0006	EA	Up To 100', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	140.21
23 01 60 71-0007	EA	>100 To 250', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	179.36
23 01 60 71-0008	EA	>250 To 500', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	225.63
23 01 60 71-0009	EA	>500 To 1,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	289.71
23 01 60 71-0010	EA	>1,000 To 2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	383.54
23 01 60 71-0011	LF	>2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	0.22
23 01 60 71-0012	EA	Up To 100', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	191.97
23 01 60 71-0013	EA	>100 To 250', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	245.75
23 01 60 71-0014	EA	>250 To 500', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	309.13
23 01 60 71-0015	EA	>500 To 1,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	397.45
23 01 60 71-0016	EA	>1,000 To 2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	526.87
23 01 60 71-0017	LF	>2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	0.29
23 01 60 71-0018	EA	Up To 100', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	243.99
23 01 60 71-0019	EA	>100 To 250', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	312.59
23 01 60 71-0020	EA	>250 To 500', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	393.65
23 01 60 71-0021	EA	>500 To 1,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	506.74
23 01 60 71-0022	EA	>1,000 To 2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	674.20
23 01 60 71-0023	LF	>2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	0.38
23 01 60 71-0024	EA	Up To 100', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	279.74
23 01 60 71-0025	EA	>100 To 250', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	361.82
23 01 60 71-0026	EA	>250 To 500', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	458.75
23 01 60 71-0027	EA	>500 To 1,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	595.19
23 01 60 71-0028	EA	>1,000 To 2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	807.15
23 01 60 71-0029	LF	>2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	0.44
23 01 60 71-0030	EA	Up To 100', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	332.43
23 01 60 71-0031	EA	>100 To 250', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	430.38
23 01 60 71-0032	EA	>250 To 500', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	596.51
23 01 60 71-0033	EA	>500 To 1,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	708.96
23 01 60 71-0034	EA	>1,000 To 2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	963.32
23 01 60 71-0035	LF	>2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	0.52
23 01 60 71-0036	EA	Up To 100', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	379.14
23 01 60 71-0037	EA	>100 To 250', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	491.15
23 01 60 71-0038	EA	>250 To 500', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	623.64
23 01 60 71-0039	EA	>500 To 1,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	810.67
23 01 60 71-0040	EA	>1,000 To 2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	1,103.78
23 01 60 71-0041	LF	>2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen.....	0.61

23 05 Common Work Results for HVAC (23)**23 05 13 Common Motor Requirements for HVAC Equipment (23 05)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001	Premium Efficient, Motors (23 05 13)
Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation. See CSI section 23 05 13 00-0216 for installation.	
23 05 13 00-0002	Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)
Note: NEMA premium efficiency, open drip proof, three phase AC motors.	
23 05 13 00-0003	Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	801.49	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	907.55	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,064.02	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	893.64	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	949.28	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,244.84	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,050.11	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,017.08	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,272.66	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,064.02	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,097.06	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,620.38	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,161.38	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,201.37	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,122.83	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,842.92	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,766.42	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,545.31	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,107.18	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,138.48	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,312.03	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,993.87	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,028.64	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,466.46	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,517.19	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,802.32	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,436.60	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,223.06	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,635.11	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,566.69	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,982.83	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,068.02	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,850.08	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,420.65	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,611.90	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,992.65	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,296.90	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,847.74	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,186.76	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,606.89	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,276.56	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,406.65	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,119.48	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	15,570.90	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,094.22	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	19,208.05	
23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)				
23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,758.76	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	11,813.79	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,998.90	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	16,699.25	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,380.48	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	19,849.60	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,878.02	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,377.22	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	21,767.27	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	22,341.01	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	30,729.76	
23 05 13 00-0062 Premium Efficient, TEFC Motors (23 05 13 00-0001)				
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.				
23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)				
23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	937.11	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,032.73	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,229.19	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,062.28	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,072.72	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,163.12	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,112.70	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,290.04	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,229.19	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,973.31	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,430.87	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,345.68	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,228.89	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,143.69	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,940.28	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,173.25	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,190.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 13 Common Motor Requirements for HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 13 00-0081		Cast Iron Frame, Premium Efficient, TEFC Motors (23 05 13 00-0062)	
23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,336.98
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,496.93
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,411.74
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,385.66
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,782.06
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,484.76
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,451.73
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,809.88
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,602.99
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,648.19
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,254.96
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,973.31
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,649.93
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,616.59
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,284.52
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,201.07
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,731.04
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,677.44
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,468.81
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,259.57
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,689.31
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,376.36
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,681.74
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,049.20
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,094.40
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,564.65
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,283.61
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,354.89
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,559.13
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,278.08
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,352.84
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,887.42
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,606.07
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,307.03
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,321.46
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,414.52
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,078.97
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	14,889.37
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,225.53
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,063.84
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	18,072.75
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,386.61
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,275.34
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	21,045.75
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	18,969.86
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	23,485.01
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	27,014.37
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	33,951.38

23 05 13 00-0130
Premium Efficient, Severe Duty Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,389.14
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,526.49
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,686.44
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,369.71
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,580.39
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,556.05
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,973.31
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,948.67
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,653.41
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,623.85
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,999.39
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,718.87
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,955.92
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,055.03
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,886.08
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,033.55
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,406.22
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,091.54
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,924.33
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,420.65
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,139.91
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,633.98
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,184.81
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,342.11
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,343.33
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,153.82
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,436.60
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,564.34
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,276.96
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,017.90
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,232.88
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,433.03

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,989.78	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,309.99	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,468.72	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	13,034.28	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,996.43	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,640.02	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,849.47	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,310.81	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,697.09	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,408.69	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,043.89	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,762.54	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,220.01	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,525.48	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,285.56	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	15,146.68	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	15,275.34	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	13,785.36	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,689.34	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,076.53	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	16,108.13	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	25,180.14	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	21,464.76	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	21,144.85	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	27,695.90	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	25,221.87	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	24,997.59	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	31,287.85	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	29,568.37	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	29,284.98	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	35,276.19	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	35,013.67	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	35,229.25	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	46,208.51	

23 05 13 00-0197
Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,853.35	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,919.41	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,093.27	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,587.04	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,868.69	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,953.58	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,035.29	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	5,462.68	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	6,227.67	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	8,181.85	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	9,183.29	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	12,008.51	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	13,524.57	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	18,919.45	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	22,210.62	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	27,056.09	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	35,363.12	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	40,349.43	

23 05 13 00-0216
Motor Mounting (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting.....	203.86	103.72
23 05 13 00-0218	EA	3/4 HP Motor Mounting.....	234.89	129.66
23 05 13 00-0219	EA	1 HP Motor Mounting.....	251.27	129.66
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting.....	270.12	129.66
23 05 13 00-0221	EA	2 HP Motor Mounting.....	292.02	155.59
23 05 13 00-0222	EA	3 HP Motor Mounting.....	337.65	155.59
23 05 13 00-0223	EA	5 HP Motor Mounting.....	400.18	259.32
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting.....	514.51	259.32
23 05 13 00-0225	EA	10 HP Motor Mounting.....	675.30	453.80
23 05 13 00-0226	EA	15 HP Motor Mounting.....	831.13	453.80
23 05 13 00-0227	EA	20 HP Motor Mounting.....	982.25	648.28
23 05 13 00-0228	EA	25 HP Motor Mounting.....	1,113.89	648.28
23 05 13 00-0229	EA	30 HP Motor Mounting.....	1,350.59	648.28
23 05 13 00-0230	EA	40 HP Motor Mounting.....	1,521.79	972.42
23 05 13 00-0231	EA	50 HP Motor Mounting.....	1,688.24	972.42
23 05 13 00-0232	EA	75 HP Motor Mounting.....	2,038.62	1,426.22
23 05 13 00-0233	EA	100 HP Motor Mounting.....	2,455.61	1,426.22
23 05 13 00-0234	EA	125 HP Motor Mounting.....	3,001.31	1,944.85
23 05 13 00-0235	EA	150 HP Motor Mounting.....	3,485.39	1,944.85
23 05 13 00-0236	EA	200 HP Motor Mounting.....	4,001.75	2,333.81

23 05 16 Expansion Fittings and Loops for HVAC Piping (23 05)
23 05 16 00-0001
Stainless Steel Bellows Type Expansion Joints (23 05 16)

Note: Includes internal sleeves and external covers.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 16 00-0002		Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)	
		Note: Carbon steel ends. Includes internal sleeves and external covers.	
23 05 16 00-0003	EA 1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	248.96	104.59
	For 300 Lb. Rating, Add	9.92	
23 05 16 00-0004	EA 3/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	279.21	117.95
	For 300 Lb. Rating, Add	10.86	
23 05 16 00-0005	EA 1" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	327.00	135.21
	For 300 Lb. Rating, Add	14.16	
23 05 16 00-0006	EA 1-1/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	369.49	150.92
	For 300 Lb. Rating, Add	17.00	
23 05 16 00-0007	EA 1-1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	399.92	162.21
	For 300 Lb. Rating, Add	18.88	
23 05 16 00-0008	EA 2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	460.95	190.88
	For 300 Lb. Rating, Add	19.82	

23 05 16 00-0009		Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)	
		Note: Carbon steel ends. Includes internal sleeves and external covers.	
23 05 16 00-0010	EA 1-1/4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	591.62	104.56
	For 300 Lb. Rating, Add	115.43	
23 05 16 00-0011	EA 1-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	649.15	125.47
	For 300 Lb. Rating, Add	122.98	
23 05 16 00-0012	EA 2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	691.18	159.29
	For 300 Lb. Rating, Add	123.00	
23 05 16 00-0013	EA 2-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	745.73	173.28
	For 300 Lb. Rating, Add	132.12	
23 05 16 00-0014	EA 3" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	825.31	203.15
	For 300 Lb. Rating, Add	142.77	
23 05 16 00-0015	EA 4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,042.77	340.57
	For 300 Lb. Rating, Add	154.00	
23 05 16 00-0016	EA 5" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,383.34	372.51
	For 300 Lb. Rating, Add	229.61	
23 05 16 00-0017	EA 6" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,305.77	413.90
	For 300 Lb. Rating, Add	196.64	
23 05 16 00-0018	EA 8" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,676.50	528.87
	For 300 Lb. Rating, Add	254.88	
23 05 16 00-0019	EA 10" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,123.59	643.84
	For 300 Lb. Rating, Add	329.70	
23 05 16 00-0020	EA 12" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,765.50	487.71
	For 300 Lb. Rating, Add	447.20	
23 05 16 00-0021	EA 14" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,493.89	919.77
	For 300 Lb. Rating, Add	586.05	
23 05 16 00-0022	EA 16" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,451.30	1,011.74
	For 300 Lb. Rating, Add	796.66	
23 05 16 00-0023	EA 18" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	8,238.95	1,122.12
	For 300 Lb. Rating, Add	1,709.08	
23 05 16 00-0024	EA 20" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	9,460.59	1,264.68
	For 300 Lb. Rating, Add	1,969.93	
23 05 16 00-0025	EA 24" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	11,043.21	1,552.11
	For 300 Lb. Rating, Add	2,275.77	
23 05 16 00-0026	EA 30" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	14,315.67	2,529.36
	For 300 Lb. Rating, Add	2,788.49	
23 05 16 00-0027	EA 36" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	18,319.97	3,372.49
	For 300 Lb. Rating, Add	3,526.09	

23 05 16 00-0028		Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)	
		Note: Carbon steel ends. Includes internal sleeves and external covers.	
23 05 16 00-0029	EA 1-1/4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	657.56	143.40
	For 300 Lb. Rating, Add	92.72	
23 05 16 00-0030	EA 1-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	684.31	144.59
	For 300 Lb. Rating, Add	98.78	
23 05 16 00-0031	EA 2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	694.23	149.38
	For 300 Lb. Rating, Add	98.80	
23 05 16 00-0032	EA 2-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	750.60	162.87
	For 300 Lb. Rating, Add	106.12	
23 05 16 00-0033	EA 3" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	843.11	191.55
	For 300 Lb. Rating, Add	114.90	
23 05 16 00-0034	EA 4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,256.86	381.44
	For 300 Lb. Rating, Add	123.69	
23 05 16 00-0035	EA 5" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,514.49	389.41
	For 300 Lb. Rating, Add	184.42	
23 05 16 00-0036	EA 6" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,493.42	431.14
	For 300 Lb. Rating, Add	157.94	
23 05 16 00-0037	EA 8" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,802.73	492.65
	For 300 Lb. Rating, Add	204.72	
23 05 16 00-0038	EA 10" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,264.04	603.60
	For 300 Lb. Rating, Add	264.81	
23 05 16 00-0039	EA 12" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,900.03	731.67
	For 300 Lb. Rating, Add	359.19	
23 05 16 00-0040	EA 14" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,446.09	745.02
	For 300 Lb. Rating, Add	488.93	
23 05 16 00-0041	EA 16" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,521.53	931.26
	For 300 Lb. Rating, Add	664.64	

23 05 16 00-0042 Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
Joints (23 05 16)			
23 05 16 00-0043	Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints (23 05 16 00-0042)		
23 05 16 00-0044	EA 2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	844.94	159.29
23 05 16 00-0045	EA 2-1/2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	910.88	173.28
23 05 16 00-0046	EA 3" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,003.77	203.15
23 05 16 00-0047	EA 4" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,235.27	340.57
23 05 16 00-0048	EA 5" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,670.35	372.51
23 05 16 00-0049	EA 6" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,551.58	413.90
23 05 16 00-0050	EA 8" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,995.11	528.87
23 05 16 00-0051	EA 10" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	2,535.73	643.84
23 05 16 00-0052	EA 12" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	3,324.53	488.29
23 05 16 00-0053	EA 14" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	4,226.47	919.77
23 05 16 00-0054	EA 16" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	5,447.15	1,011.74
23 05 16 00-0055	EA 18" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	7,099.51	1,122.12
23 05 16 00-0056	EA 20" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	8,266.85	1,264.68
23 05 16 00-0057	EA 24" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	9,525.97	1,552.11
23 05 16 00-0058	EA 30" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	12,456.59	2,529.36
23 05 16 00-0059	EA 36" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	15,969.14	3,372.49
23 05 16 00-0060	Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joints (23 05 16 00-0060)		
23 05 16 00-0061	Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joints (23 05 16 00-0060)		
23 05 16 00-0062	EA 2" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	986.68	159.29
23 05 16 00-0063	EA 2-1/2" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,063.12	173.28
23 05 16 00-0064	EA 3" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,168.29	203.15
23 05 16 00-0065	EA 4" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,412.73	340.57
23 05 16 00-0066	EA 5" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,934.93	372.51
23 05 16 00-0067	EA 6" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,778.17	413.90
23 05 16 00-0068	EA 8" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	2,288.82	528.87
23 05 16 00-0069	EA 10" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	2,915.66	643.84
23 05 16 00-0070	EA 12" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	3,839.86	488.29
23 05 16 00-0071	EA 14" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	4,901.79	919.77
23 05 16 00-0072	EA 16" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	6,365.17	1,011.74
23 05 16 00-0073	EA 18" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	8,349.93	1,122.12
23 05 16 00-0074	EA 20" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	9,734.36	1,264.68
23 05 16 00-0075	EA 24" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	11,190.99	1,552.11
23 05 16 00-0076	EA 30" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	14,496.74	2,529.36
23 05 16 00-0077	EA 36" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	18,548.94	3,372.49
23 05 16 00-0078	Neoprene Bellows Type Expansion Joints (23 05 16)		
23 05 16 00-0079	Flanged, 150 Lb., Neoprene Bellows Type Expansion Joints (23 05 16 00-0078)		
	Note: Cast iron ends.		
23 05 16 00-0080	EA 2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,303.88	159.29
23 05 16 00-0081	EA 2-1/2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,383.35	173.28
23 05 16 00-0082	EA 3" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,435.68	203.15
23 05 16 00-0083	EA 4" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	1,746.31	340.57
23 05 16 00-0084	EA 5" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	2,075.96	372.51
23 05 16 00-0085	EA 6" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	2,155.83	413.90
23 05 16 00-0086	EA 8" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	2,600.45	528.87
23 05 16 00-0087	EA 10" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	2,901.69	643.84
23 05 16 00-0088	EA 12" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	3,227.03	488.05
23 05 16 00-0089	EA 14" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	4,141.63	919.77
23 05 16 00-0090	EA 16" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	5,330.63	1,011.74
23 05 16 00-0091	EA 18" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	6,926.20	1,122.12
23 05 16 00-0092	EA 20" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	8,101.72	1,264.68
23 05 16 00-0093	EA 24" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	9,330.45	1,552.11
23 05 16 00-0094	EA 30" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	12,188.63	2,529.36
23 05 16 00-0095	EA 36" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint.....	15,646.29	3,372.49
23 05 16 00-0096	Tube And Cover Expansion Joints (23 05 16)		
	Note: Carbon steel split backup rings.		
23 05 16 00-0097	Flanged, 150 Lb., Tube And Cover Expansion Joints (23 05 16 00-0096)		
23 05 16 00-0098	Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joints (23 05 16 00-0097)		
23 05 16 00-0099	EA 1" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	479.07	89.63
23 05 16 00-0100	EA 1-1/4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	453.70	104.56
23 05 16 00-0101	EA 1-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	541.00	125.47
23 05 16 00-0102	EA 2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	630.91	159.29
23 05 16 00-0103	EA 2-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	708.97	173.28
23 05 16 00-0104	EA 3" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	803.77	220.61

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 16 00-0105	EA 4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,075.08		369.83	
23 05 16 00-0106	EA 5" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,196.34		420.44	
23 05 16 00-0107	EA 6" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,322.74		413.90	
23 05 16 00-0108	EA 8" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,703.43		470.48	
23 05 16 00-0109	EA 10" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	2,519.76		643.84	
23 05 16 00-0110	EA 12" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,182.19		781.81	
23 05 16 00-0111	EA 14" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,572.26		919.77	
23 05 16 00-0112	EA 16" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,987.05		1,011.74	
23 05 16 00-0113	EA 18" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	4,340.89		1,122.12	
23 05 16 00-0114	EA 20" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	5,202.69		1,264.68	
23 05 16 00-0115	EA 24" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	6,317.51		1,552.11	
23 05 16 00-0116	EA 30" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	9,086.15		2,529.36	
23 05 16 00-0117	EA 36" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	10,955.56		3,372.49	
23 05 16 00-0118 Flanged, 150 Lb., Rubber Tube And Cover Expansion Joints (23 05 16 00-0097)					
23 05 16 00-0119	EA 1" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	455.08		89.63	
23 05 16 00-0120	EA 1-1/4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	429.71		104.56	
23 05 16 00-0121	EA 1-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	517.01		125.47	
23 05 16 00-0122	EA 2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	606.93		159.29	
23 05 16 00-0123	EA 2-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	684.99		173.28	
23 05 16 00-0124	EA 3" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	779.79		220.61	
23 05 16 00-0125	EA 4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,039.10		369.83	
23 05 16 00-0126	EA 5" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,160.36		420.44	
23 05 16 00-0127	EA 6" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,286.76		413.90	
23 05 16 00-0128	EA 8" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,712.35		528.87	
23 05 16 00-0129	EA 10" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	2,387.84		643.84	
23 05 16 00-0130	EA 12" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,062.26		781.81	
23 05 16 00-0131	EA 14" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,440.33		919.77	
23 05 16 00-0132	EA 16" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,855.12		1,011.74	
23 05 16 00-0133	EA 18" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	4,196.97		1,122.12	
23 05 16 00-0134	EA 20" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	5,034.79		1,264.68	
23 05 16 00-0135	EA 24" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	6,113.63		1,552.11	
23 05 16 00-0136	EA 30" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	8,498.51		2,529.36	
23 05 16 00-0137	EA 36" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	10,619.77		3,372.49	
23 05 16 00-0138 Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joints (23 05 16 00-0097)					
23 05 16 00-0139	EA 2" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	618.92		159.29	
23 05 16 00-0140	EA 3" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	770.79		220.61	
23 05 16 00-0141	EA 4" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,027.11		369.83	
23 05 16 00-0142	EA 6" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,184.82		413.90	
23 05 16 00-0143	EA 8" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,472.49		528.87	
23 05 16 00-0144	EA 10" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,824.18		643.84	
23 05 16 00-0145	EA 12" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	2,180.79		781.81	
23 05 16 00-0146 Flanged, Tube And Cover Expansion Joints (Mercer 501) (23 05 16 00-0096)					
23 05 16 00-0147 Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joints (501EE) (23 05 16 00-0146)					
23 05 16 00-0148	EA 1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	900.78		125.47	
23 05 16 00-0149	EA 2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,002.69		159.29	
23 05 16 00-0150	EA 2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,044.77		173.28	
23 05 16 00-0151	EA 3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,187.54		220.61	
23 05 16 00-0152	EA 4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,518.82		369.83	
23 05 16 00-0153	EA 5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,676.05		420.44	
23 05 16 00-0154	EA 6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,778.46		413.90	
23 05 16 00-0155	EA 8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,371.95		528.87	
23 05 16 00-0156	EA 10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,927.52		643.84	
23 05 16 00-0157	EA 12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,386.06		781.81	
23 05 16 00-0158	EA 14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,884.07		919.77	
23 05 16 00-0159	EA 16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,238.89		1,011.74	
23 05 16 00-0160	EA 18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,640.71		1,122.12	
23 05 16 00-0161	EA 20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	5,442.54		1,264.68	
23 05 16 00-0162	EA 24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	6,677.30		1,552.11	
23 05 16 00-0163	EA 30" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	9,673.80		2,529.36	
23 05 16 00-0164	EA 36" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	12,034.92		3,372.49	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0165	EA	42" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	15,821.72	5,058.73
23 05 16 00-0166	EA	48" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	18,805.73	6,323.42
23 05 16 00-0167	EA	60" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	25,161.88	9,105.71
23 05 16 00-0168 Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 501RR) (23 05 16 00-0146)				
23 05 16 00-0169	EA	1-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	852.81	125.47
23 05 16 00-0170	EA	2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	942.72	159.29
23 05 16 00-0171	EA	2-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	984.81	173.28
23 05 16 00-0172	EA	3" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,115.59	220.61
23 05 16 00-0173	EA	4" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,434.87	369.83
23 05 16 00-0174	EA	5" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,592.10	420.44
23 05 16 00-0175	EA	6" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,682.52	413.90
23 05 16 00-0176	EA	8" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,240.03	528.87
23 05 16 00-0177	EA	10" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,771.61	643.84
23 05 16 00-0178	EA	12" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,206.17	781.81
23 05 16 00-0179	EA	14" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,680.19	919.77
23 05 16 00-0180	EA	16" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,023.02	1,011.74
23 05 16 00-0181	EA	18" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,388.86	1,122.12
23 05 16 00-0182	EA	20" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	5,154.71	1,264.68
23 05 16 00-0183	EA	24" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	6,329.50	1,552.11
23 05 16 00-0184	EA	30" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	9,182.10	2,529.36
23 05 16 00-0185	EA	36" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	11,447.27	3,372.49
23 05 16 00-0186 Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) (23 05 16 00-0146)				
Note: 501BB, 501NN or 501NNi.				
23 05 16 00-0187	EA	1-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	900.78	125.47
23 05 16 00-0188	EA	2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,014.68	159.29
23 05 16 00-0189	EA	2-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,044.77	173.28
23 05 16 00-0190	EA	3" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,187.54	220.61
23 05 16 00-0191	EA	4" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,518.82	369.83
23 05 16 00-0192	EA	5" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,676.05	420.44
23 05 16 00-0193	EA	6" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,790.46	413.90
23 05 16 00-0194	EA	8" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,371.95	528.87
23 05 16 00-0195	EA	10" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,927.52	643.84
23 05 16 00-0196	EA	12" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,386.06	781.81
23 05 16 00-0197	EA	14" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,884.07	919.77
23 05 16 00-0198	EA	16" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,238.89	1,011.74
23 05 16 00-0199	EA	18" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,640.71	1,122.12
23 05 16 00-0200	EA	20" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	5,442.54	1,264.68
23 05 16 00-0201	EA	24" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	6,677.30	1,552.11
23 05 16 00-0202	EA	30" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	9,673.80	2,529.36
23 05 16 00-0203	EA	36" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	12,034.92	3,372.49
23 05 16 00-0204 Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joints (Mercer 501NNFA) (23 05 16 00-0146)				
23 05 16 00-0205	EA	1-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	936.76	125.47
23 05 16 00-0206	EA	2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,038.67	159.29
23 05 16 00-0207	EA	2-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,080.75	173.28
23 05 16 00-0208	EA	3" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,235.51	220.61
23 05 16 00-0209	EA	4" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,578.78	369.83
23 05 16 00-0210	EA	5" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,736.01	420.44
23 05 16 00-0211	EA	6" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,850.42	413.90
23 05 16 00-0212	EA	8" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	2,455.90	528.87
23 05 16 00-0213	EA	10" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,035.45	643.84
23 05 16 00-0214	EA	12" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,517.98	781.81
23 05 16 00-0215	EA	14" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,015.99	919.77
23 05 16 00-0216	EA	16" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,394.80	1,011.74
23 05 16 00-0217	EA	18" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,796.61	1,122.12
23 05 16 00-0218	EA	20" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	5,634.43	1,264.68
23 05 16 00-0219	EA	24" x 10" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	6,929.14	1,552.11
23 05 16 00-0220 Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) (23 05 16 00-0146)				
Note: Kevlar reinforcement for high temperature.				
23 05 16 00-0221	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,164.63	125.47
23 05 16 00-0222	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,230.55	159.29
23 05 16 00-0223	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,332.60	173.28
23 05 16 00-0224	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,439.39	220.61
23 05 16 00-0225	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,986.54	369.83

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 05 16 00-0226	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	2,167.75		420.44
23 05 16 00-0227	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	2,234.19		413.90
23 05 16 00-0228	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	2,647.78		528.87
23 05 16 00-0229	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	3,143.39		643.84
23 05 16 00-0230	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	3,805.81		781.81
23 05 16 00-0231	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	4,495.70		919.77
23 05 16 00-0232	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	5,234.30		1,011.74
23 05 16 00-0233	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	5,816.00		1,122.12
23 05 16 00-0234	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	6,857.69		1,264.68
23 05 16 00-0235	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	8,931.94		1,552.11
23 05 16 00-0236		Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 800) (23 05 16 00-0096)			
23 05 16 00-0237		2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) (23 05 16 00-0236)			
23 05 16 00-0238	EA	1" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	551.03		89.63
23 05 16 00-0239	EA	1-1/2" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	624.13		96.20
23 05 16 00-0240	EA	2" x 1-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	834.79		99.54
23 05 16 00-0241	EA	2-1/2" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	1,068.97		108.74
23 05 16 00-0242	EA	3" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	1,463.18		215.93
23 05 16 00-0243	EA	4" x 2-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	1,968.48		276.66
23 05 16 00-0244	EA	5" x 3-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	2,390.38		301.70
23 05 16 00-0245	EA	6" x 2-3/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	2,649.61		287.42
23 05 16 00-0246	EA	8" x 4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	3,643.19		328.47
23 05 16 00-0247	EA	10" x 5-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	4,714.99		390.68
23 05 16 00-0248	EA	12" x 6" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	6,531.03		489.20
23 05 16 00-0249		3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) (23 05 16 00-0236)			
23 05 16 00-0250	EA	1" x 1-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	610.99		89.63
23 05 16 00-0251	EA	1-1/2" x 2" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	684.07		96.20
23 05 16 00-0252	EA	2" x 2-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	930.73		99.54
23 05 16 00-0253	EA	2-1/2" x 3-1/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	1,200.89		108.74
23 05 16 00-0254	EA	3" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	1,607.09		215.93
23 05 16 00-0255	EA	4" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	2,184.35		276.66
23 05 16 00-0256	EA	5" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	2,654.22		301.70
23 05 16 00-0257	EA	6" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	2,973.42		287.42
23 05 16 00-0258	EA	8" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	4,086.92		328.47
23 05 16 00-0259	EA	10" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	5,302.64		390.68
23 05 16 00-0260	EA	12" x 7" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	7,358.53		489.20
23 05 16 00-0261		5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) (23 05 16 00-0236)			
23 05 16 00-0262	EA	1" x 3" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	670.95		89.63
23 05 16 00-0263	EA	1-1/2" x 3-1/2" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	851.99		96.20
23 05 16 00-0264	EA	2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	1,086.64		99.54
23 05 16 00-0265	EA	2-1/2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	1,440.75		108.74
23 05 16 00-0266	EA	3" x 5" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	1,942.89		215.93
23 05 16 00-0267	EA	4" x 5-1/4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	2,508.16		276.66
23 05 16 00-0268	EA	5" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	3,289.84		301.70
23 05 16 00-0269	EA	6" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	3,513.10		287.42
23 05 16 00-0270	EA	8" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	5,298.19		328.47
23 05 16 00-0271	EA	10" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	7,041.59		390.68
23 05 16 00-0272	EA	12" x 9" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	8,809.66		489.20
23 05 16 00-0273		Mercer Rubber, Series 450 (23 05 16 00-0096)			
23 05 16 00-0274		Expansion Joints, 2 Arch (452) (23 05 16 00-0273)			
23 05 16 00-0275	EA	1-1/2" x 12" Expansion Joints, 2 Arch.....	675.10		96.20
23 05 16 00-0276	EA	2" x 12" Expansion Joints, 2 Arch.....	753.84		99.54
23 05 16 00-0277	EA	2-1/2" x 12" Expansion Joints, 2 Arch.....	835.11		108.74
23 05 16 00-0278	EA	3" x 12" Expansion Joints, 2 Arch.....	1,130.38		215.93
23 05 16 00-0279	EA	4" x 12" Expansion Joints, 2 Arch.....	1,299.88		276.66
23 05 16 00-0280	EA	6" x 12" Expansion Joints, 2 Arch.....	1,444.34		287.42
23 05 16 00-0281	EA	8" x 12" Expansion Joints, 2 Arch.....	1,622.40		328.47
23 05 16 00-0282	EA	10" x 14" Expansion Joints, 2 Arch.....	2,178.51		390.68
23 05 16 00-0283	EA	12" x 14" Expansion Joints, 2 Arch.....	2,568.12		489.55
23 05 16 00-0284	EA	14" x 14" Expansion Joints, 2 Arch.....	2,986.65		496.45
23 05 16 00-0285	EA	16" x 14" Expansion Joints, 2 Arch.....	3,606.73		619.12
23 05 16 00-0286	EA	18" x 14" Expansion Joints, 2 Arch.....	4,028.45		702.47
23 05 16 00-0287	EA	20" x 14" Expansion Joints, 2 Arch.....	4,564.35		790.54

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0288	EA	24" x 16" Expansion Joints, 2 Arch	5,464.02	970.59
23 05 16 00-0289		Mercer Rubber, Series 502 And 701 (23 05 16 00-0096)		
23 05 16 00-0290		2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) (23 05 16 00-0289)		
		Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0291	EA	1-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,068.68	125.79
23 05 16 00-0292	EA	2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,134.61	159.34
23 05 16 00-0293	EA	2-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,212.67	173.82
23 05 16 00-0294	EA	3" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,295.48	220.88
23 05 16 00-0295	EA	4" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,662.73	370.76
23 05 16 00-0296	EA	5" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,963.88	419.79
23 05 16 00-0297	EA	6" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,030.31	415.38
23 05 16 00-0298	EA	8" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,419.92	528.87
23 05 16 00-0299	EA	10" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,843.57	643.84
23 05 16 00-0300	EA	12" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	3,316.96	489.20
23 05 16 00-0301	EA	14" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,087.95	919.77
23 05 16 00-0302	EA	16" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,754.58	1,011.74
23 05 16 00-0303	EA	18" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	5,264.33	1,122.12
23 05 16 00-0304	EA	20" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	5,970.22	1,264.68
23 05 16 00-0305	EA	24" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	7,121.03	1,552.11
23 05 16 00-0306	EA	30" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	10,525.29	2,529.36
23 05 16 00-0307	EA	36" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	13,210.21	3,372.49
23 05 16 00-0308	EA	42" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	17,668.61	5,058.73
23 05 16 00-0309	EA	48" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	20,904.47	6,323.42
23 05 16 00-0310	EA	60" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	28,411.93	9,105.71
23 05 16 00-0311		2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) (23 05 16 00-0289)		
		Note: Butyl 502B, Neoprene 502N. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0312	EA	1-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,164.63	125.79
23 05 16 00-0313	EA	2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,230.55	159.34
23 05 16 00-0314	EA	2-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,320.61	173.82
23 05 16 00-0315	EA	3" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,403.41	220.88
23 05 16 00-0316	EA	4" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,758.67	370.76
23 05 16 00-0317	EA	5" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,107.79	419.79
23 05 16 00-0318	EA	6" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,150.24	415.38
23 05 16 00-0319	EA	8" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,599.81	528.87
23 05 16 00-0320	EA	10" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,035.45	643.84
23 05 16 00-0321	EA	12" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,520.83	489.20
23 05 16 00-0322	EA	14" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	4,363.78	919.77
23 05 16 00-0323	EA	16" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,078.39	1,011.74
23 05 16 00-0324	EA	18" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,624.12	1,122.12
23 05 16 00-0325	EA	20" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	6,377.98	1,264.68
23 05 16 00-0326	EA	24" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	7,600.74	1,552.11
23 05 16 00-0327	EA	30" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	11,232.86	2,529.36
23 05 16 00-0328	EA	36" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	14,049.71	3,372.49
23 05 16 00-0329	EA	42" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	18,747.96	5,058.73
23 05 16 00-0330	EA	48" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	22,151.72	6,323.42
23 05 16 00-0331	EA	60" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	30,114.90	9,105.71
23 05 16 00-0332		2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joints (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) (23 05 16 00-0289)		
		Note: Nitrile 502Ni, Nitrile/Neoprene 502NiN, Ethylene Propylene Diene Monomer (EPDM) 502E, Neoprene/Natural 502NR or Natural/Neoprene 502RN. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0333	EA	1-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,200.60	125.79
23 05 16 00-0334	EA	2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,302.51	159.34
23 05 16 00-0335	EA	2-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,380.57	173.82
23 05 16 00-0336	EA	3" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,475.37	220.88
23 05 16 00-0337	EA	4" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,854.61	370.76
23 05 16 00-0338	EA	5" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,179.75	419.79
23 05 16 00-0339	EA	6" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,270.17	415.38
23 05 16 00-0340	EA	8" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,695.76	528.87

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**

MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
23 05 16 00-0341	EA	10" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,155.38		643.84	
23 05 16 00-0342	EA	12" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,664.75		489.20	
23 05 16 00-0343	EA	14" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	4,507.69		919.77	
23 05 16 00-0344	EA	16" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,270.28		1,011.74	
23 05 16 00-0345	EA	18" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,839.99		1,122.12	
23 05 16 00-0346	EA	20" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	6,665.81		1,264.68	
23 05 16 00-0347	EA	24" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	7,864.58		1,552.11	
23 05 16 00-0348	EA	30" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	11,268.84		2,529.36	
23 05 16 00-0349	EA	36" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	14,529.42		3,372.49	
23 05 16 00-0350	EA	42" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	19,419.56		5,058.73	
23 05 16 00-0351	EA	48" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	22,895.27		6,323.42	
23 05 16 00-0352	EA	60" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	31,122.30		9,105.71	
23 05 16 00-0353 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joints (Mercer 502H, 502HN Or 502NH) (23 05 16 00-0289)						
Note: Hypalon 502H, Hypalon/Neoprene 502HN Or Neoprene/Hypalon 502NH. Baked enamel, coated ductile iron backup rings.						
23 05 16 00-0354	EA	1-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,260.57		125.79	
23 05 16 00-0355	EA	2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,326.49		159.34	
23 05 16 00-0356	EA	2-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,416.55		173.82	
23 05 16 00-0357	EA	3" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,535.33		220.88	
23 05 16 00-0358	EA	4" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,902.59		370.76	
23 05 16 00-0359	EA	5" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,275.69		419.79	
23 05 16 00-0360	EA	6" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,366.11		415.38	
23 05 16 00-0361	EA	8" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,791.70		528.87	
23 05 16 00-0362	EA	10" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,275.31		643.84	
23 05 16 00-0363	EA	12" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,832.65		489.20	
23 05 16 00-0364	EA	14" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	4,675.59		919.77	
23 05 16 00-0365	EA	16" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	5,486.15		1,011.74	
23 05 16 00-0366	EA	18" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,079.84		1,122.12	
23 05 16 00-0367	EA	20" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,929.65		1,264.68	
23 05 16 00-0368	EA	24" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	8,140.42		1,552.11	
23 05 16 00-0369	EA	30" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	12,060.37		2,529.36	
23 05 16 00-0370	EA	36" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	15,105.07		3,372.49	
23 05 16 00-0371	EA	42" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	20,091.15		5,058.73	
23 05 16 00-0372	EA	48" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	23,470.92		6,323.42	
23 05 16 00-0373	EA	60" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	31,889.84		9,105.71	
23 05 16 00-0374 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) (23 05 16 00-0289)						
Note: Baked enamel, coated ductile iron backup rings.						
23 05 16 00-0375	EA	1-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,572.38		125.79	
23 05 16 00-0376	EA	2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,710.26		159.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0377	EA		2-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	1,824.31	173.82
23 05 16 00-0378	EA		3" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	2,422.80	220.88
23 05 16 00-0379	EA		4" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	3,173.82	370.76
23 05 16 00-0380	EA		5" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	3,882.72	419.79
23 05 16 00-0381	EA		6" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	4,213.00	415.38
23 05 16 00-0382	EA		8" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	5,430.11	528.87
23 05 16 00-0383	EA		10" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	7,184.96	643.84
23 05 16 00-0384	EA		12" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	8,222.01	489.20
23 05 16 00-0385	EA		14" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	9,460.72	919.77
23 05 16 00-0386	EA		16" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	11,578.49	1,011.74
23 05 16 00-0387	EA		18" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	12,843.78	1,122.12
23 05 16 00-0388	EA		20" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	15,084.75	1,264.68
23 05 16 00-0389	EA		24" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	19,785.43	1,552.11
23 05 16 00-0390	EA		30" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	33,143.71	2,529.36
23 05 16 00-0391	EA		36" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	41,633.15	3,372.49
23 05 16 00-0392	EA		42" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	54,534.48	5,058.73
23 05 16 00-0393	EA		48" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	63,790.72	6,323.42
23 05 16 00-0394	EA		60" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V).....	84,538.23	9,105.71
23 05 16 00-0395 Teflon Lined Expansion Joints (Mercer 701) (23 05 16 00-0289)					
Note: Natural rubber, neoprene, butyl, ethylene propylene diene monomer (EPDM) Or nitrile. Includes baked enamel coated ductile iron backer rings. Series 701.					
23 05 16 00-0396	EA		1-1/2" Teflon Lined Expansion Joint (Mercer 701).....	1,049.86	96.20
			For Hypalon Tube And Cover, Add	17.15	
			For Viton Tube And Cover, Add	857.49	
23 05 16 00-0397	EA		2" Teflon Lined Expansion Joint (Mercer 701).....	1,224.55	99.54
			For Hypalon Tube And Cover, Add	20.51	
			For Viton Tube And Cover, Add	1,025.38	
23 05 16 00-0398	EA		2-1/2" Teflon Lined Expansion Joint (Mercer 701).....	1,395.72	108.74
			For Hypalon Tube And Cover, Add	23.57	
			For Viton Tube And Cover, Add	1,178.29	
23 05 16 00-0399	EA		3" Teflon Lined Expansion Joint (Mercer 701).....	1,739.19	215.93
			For Hypalon Tube And Cover, Add	26.14	
			For Viton Tube And Cover, Add	1,307.22	
23 05 16 00-0400	EA		4" Teflon Lined Expansion Joint (Mercer 701).....	2,136.66	276.79
			For Hypalon Tube And Cover, Add	31.66	
			For Viton Tube And Cover, Add	1,583.05	
23 05 16 00-0401	EA		5" Teflon Lined Expansion Joint (Mercer 701).....	2,536.84	301.45
			For Hypalon Tube And Cover, Add	38.68	
			For Viton Tube And Cover, Add	1,933.84	
23 05 16 00-0402	EA		6" Teflon Lined Expansion Joint (Mercer 701).....	2,667.60	287.42
			For Hypalon Tube And Cover, Add	41.85	
			For Viton Tube And Cover, Add	2,092.74	
23 05 16 00-0403	EA		8" Teflon Lined Expansion Joint (Mercer 701).....	3,198.92	328.24
			For Hypalon Tube And Cover, Add	50.85	
			For Viton Tube And Cover, Add	2,542.47	
23 05 16 00-0404	EA		10" Teflon Lined Expansion Joint (Mercer 701).....	4,028.40	390.68
			For Hypalon Tube And Cover, Add	64.94	
			For Viton Tube And Cover, Add	3,247.05	
23 05 16 00-0405	EA		12" Teflon Lined Expansion Joint (Mercer 701).....	5,149.57	489.55
			For Hypalon Tube And Cover, Add	83.41	
			For Viton Tube And Cover, Add	4,170.50	
23 05 16 00-0406	EA		14" Teflon Lined Expansion Joint (Mercer 701).....	5,778.71	496.79
			For Hypalon Tube And Cover, Add	95.70	
			For Viton Tube And Cover, Add	4,785.13	
23 05 16 00-0407	EA		16" Teflon Lined Expansion Joint (Mercer 701).....	7,174.59	619.12
			For Hypalon Tube And Cover, Add	118.73	
			For Viton Tube And Cover, Add	5,936.44	
23 05 16 00-0408	EA		18" Teflon Lined Expansion Joint (Mercer 701).....	7,994.04	703.51
			For Hypalon Tube And Cover, Add	131.74	
			For Viton Tube And Cover, Add	6,587.05	
23 05 16 00-0409	EA		20" Teflon Lined Expansion Joint (Mercer 701).....	9,352.37	789.04
			For Hypalon Tube And Cover, Add	155.49	
			For Viton Tube And Cover, Add	7,774.33	
23 05 16 00-0410	EA		24" Teflon Lined Expansion Joint (Mercer 701).....	12,215.78	971.97
			For Hypalon Tube And Cover, Add	205.44	
			For Viton Tube And Cover, Add	10,271.83	
23 05 16 00-0411 Accessories For Mercer Rubber, Series 451 And 501 (23 05 16 00-0096)					
23 05 16 00-0412 Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints (23 05 16 00-0411)					
23 05 16 00-0413	EA		1-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	45.57	
23 05 16 00-0414	EA		2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	57.57	
23 05 16 00-0415	EA		2-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	64.76	
23 05 16 00-0416	EA		3" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	69.56	
23 05 16 00-0417	EA		4" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	103.14	
23 05 16 00-0418	EA		5" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	127.12	
23 05 16 00-0419	EA		6" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	139.12	
23 05 16 00-0420	EA		8" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	153.51	
23 05 16 00-0421	EA		10" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	196.68	
23 05 16 00-0422	EA		12" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	232.66	
23 05 16 00-0423	EA		14" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	311.81	
23 05 16 00-0424	EA		16" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	335.80	
23 05 16 00-0425	EA		18" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	359.78	
23 05 16 00-0426	EA		20" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	395.76	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 16 Expansion Fittings and Loops for HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 16 00-0427	EA	24" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	491.70	
23 05 16 00-0428	EA	30" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	611.63	
23 05 16 00-0429	EA	36" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	743.55	
23 05 16 00-0430	EA	42" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	1,055.37	
23 05 16 00-0431	EA	48" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints	1,259.24	

23 05 16 00-0432 Control Rods For Mercer 451 And 501 Expansion Joints (23 05 16 00-0411)

23 05 16 00-0433	SET	1-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	142.99	
23 05 16 00-0434	SET	2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	180.84	
23 05 16 00-0435	SET	2-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	210.28	
23 05 16 00-0436	SET	3" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	252.34	
23 05 16 00-0437	SET	4" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	252.34	
23 05 16 00-0438	SET	5" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	273.36	
23 05 16 00-0439	SET	6" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	315.42	
23 05 16 00-0440	SET	8" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	462.62	
23 05 16 00-0441	SET	10" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	904.20	
23 05 16 00-0442	SET	12" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	1,240.65	
23 05 16 00-0443	SET	14" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	1,850.46	
23 05 16 00-0444	SET	16" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	2,081.77	
23 05 16 00-0445	SET	18" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	2,775.70	
23 05 16 00-0446	SET	20" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	2,964.95	
23 05 16 00-0447	SET	24" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	3,343.45	
23 05 16 00-0448	SET	30" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	4,899.52	
23 05 16 00-0449	SET	36" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	7,212.60	
23 05 16 00-0450	SET	42" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	4,878.50	
23 05 16 00-0451	SET	48" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	6,413.54	
23 05 16 00-0452	SET	60" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	10,009.33	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)**23 05 17 00-0001 Wall Seals And Sleeves (23 05 17)**
Note: Up to 12" walls. Excludes drilling hole.**23 05 17 00-0002 Ductile Iron Wall Sleeve (23 05 17 00-0001)**
Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	185.78	56.85
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	242.29	66.41
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	301.34	79.67
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	406.08	119.44
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	502.95	159.21
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	610.64	199.11

23 05 17 00-0009 Steel Pipe Sleeves (23 05 17 00-0001)
Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	162.79	57.62
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	202.57	62.46
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	240.28	67.31
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	298.01	80.74
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	435.07	100.83
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	850.25	121.04
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,008.95	151.31
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,359.00	186.17
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,882.70	242.09
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,724.76	302.61

23 05 19 Meters and Gages for HVAC Piping (23 05)

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers (23 05 19)**23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers (23 05 19 00-0001)**
Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	121.32	41.53
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	140.56	41.53
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	140.56	41.53

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001)
Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	159.80	41.53
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	159.80	41.53
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	200.02	41.53
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	165.05	41.53
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	173.79	41.53
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	205.27	41.53

23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001)
Note: Various ranges. Socket connection for thermowell.

23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	159.80	41.53
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	159.80	41.53

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	200.02	41.53
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	182.53	41.53
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	200.02	41.53
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	204.48	41.53
23 05 19 00-0020		1" NPT, 304 Stainless Steel Thermowells (23 05 19 00-0001)		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell.....	204.36	77.86
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell.....	204.27	77.86
23 05 19 00-0023		Pressure Gauges (23 05 19)		
23 05 19 00-0024		Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	43.63	16.22
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	53.95	16.22
23 05 19 00-0027		Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	313.16	16.22
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	313.16	16.22
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	408.50	16.22
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	969.94	16.22
23 05 19 00-0032		Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)		
		Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	153.43	16.22
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	346.91	16.22
23 05 19 00-0035		Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge.....	345.49	16.22
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge.....	345.49	16.22
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge.....	345.49	16.22
23 05 19 00-0039		Polypropylene Case, Stainless Steel Internals And Stem, Pressure Gauges (23 05 19 00-0023)		
23 05 19 00-0040		Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauges (23 05 19 00-0039)		
23 05 19 00-0041	EA	4-1/2" Diameter Dry Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge.....	251.79	16.22
23 05 19 00-0042	EA	4-1/2" Diameter Liquid Filled Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge.....	332.67	16.22
23 05 19 00-0043	EA	6" Diameter Dry Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge.....	399.69	16.22
23 05 19 00-0044		Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauges (23 05 19 00-0039)		
23 05 19 00-0045	EA	2-1/2" Diameter Dry Dial, Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauge.....	148.83	16.22
23 05 19 00-0046	EA	2-1/2" Diameter Liquid Filled, Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauge.....	114.92	16.22
23 05 19 00-0047		Gauge Accessories (23 05 19 00-0023)		
23 05 19 00-0048	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer).....	100.83	12.97
23 05 19 00-0049	EA	1/4" Snubber Valve.....	62.11	12.97
23 05 19 00-0050	EA	1/4" Female Pipe Thread, Brass Gauge Cock.....	39.08	19.47
23 05 19 00-0051	EA	1/4" Male Pipe Thread, Brass Gauge Cock.....	33.68	19.47
23 05 19 00-0052	EA	1/4" Pressure Pigtail Steam Siphon.....	40.67	19.47
23 05 19 00-0053	EA	1/4" x 3" Long Black Steel Nipple.....	8.24	6.49
23 05 19 00-0054	EA	1/4" Steel Thread-O-Let.....	73.72	32.44
23 05 19 00-0055	EA	1/4", 300 Lb., Black Steel Union.....	67.23	12.97
23 05 19 00-0056	EA	1/4" Black Steel Coupling.....	27.49	12.97
23 05 19 00-0057	EA	1/4", 300 Lb., Black Steel Plug.....	15.92	7.79
23 05 19 00-0058	EA	1/4", 150 Lb., Black Steel Cap.....	16.43	7.79
23 05 19 00-0059	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	10.29	4.28
23 05 19 00-0060	LF	1/4" Schedule 80, Plain End, Black Steel Pipe.....	9.51	4.28
23 05 19 00-0061	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	9.72	
23 05 19 00-0062	EA	1/4" Threaded, 800 Lb., Forged Steel, Ball Valve.....	123.50	
23 05 19 00-0063		Valve Lock Covers (23 05 19)		
23 05 19 00-0064	EA	Valve Lock Cover.....	93.16	19.86
23 05 19 00-0065		Venturi Flowmeters (23 05 19)		
23 05 19 00-0066		Threaded, Brass, Venturi Flowmeters (23 05 19 00-0065)		
23 05 19 00-0067	EA	3/4" Threaded, Brass, Venturi Flowmeter.....	334.86	88.24
		For Portable Venturi Flow Meter, Add	995.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 19 00-0068	EA 1" Threaded, Brass, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i>	370.02 995.00		105.88	
23 05 19 00-0069	EA 1-1/4" Threaded, Brass, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i>	408.12 995.00		117.70	
23 05 19 00-0070	EA 1-1/2" Threaded, Brass, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i>	459.99 995.00		132.36	
23 05 19 00-0071	EA 2" Threaded, Brass, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i>	547.45 995.00		151.31	
23 05 19 00-0072	EA 2-1/2" Threaded, Brass, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i>	740.63 995.00		202.52	
23 05 19 00-0073 Butt Weld, Carbon Steel, Venturi Flowmeters (23 05 19 00-0065)					
23 05 19 00-0074	EA 3" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	1,631.04 995.00 443.77		181.57	
23 05 19 00-0075	EA 4" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	2,253.10 995.00 636.07		217.88	
23 05 19 00-0076	EA 5" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	2,953.73 995.00 843.16		272.36	
23 05 19 00-0077	EA 6" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	3,515.67 995.00 976.29		363.13	
23 05 19 00-0078	EA 8" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	5,140.15 995.00 1,494.02		435.76	
23 05 19 00-0079	EA 10" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	8,401.02 995.00 2,559.07		544.70	
23 05 19 00-0080	EA 12" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	12,574.38 995.00 3,875.58		750.65	
23 05 19 00-0081	EA 14" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	17,635.92 995.00 5,384.39		1,125.98	
23 05 19 00-0082	EA 16" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add</i> <i>For Flanged Ends, Add</i>	26,381.14 995.00 8,357.64		1,251.08	
23 05 19 00-0083 Turbine Flowmeter (23 05 19)					
23 05 19 00-0084	EA Saddle Mount Turbine Flowmeter.....	1,153.08		97.32	
23 05 19 00-0085 Sight Flow Indicator (23 05 19)					
23 05 19 00-0086 Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0085)					
23 05 19 00-0087	EA 1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	180.45		18.89	
23 05 19 00-0088	EA 3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	188.49		19.88	
23 05 19 00-0089	EA 1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	203.88		20.89	
23 05 19 00-0090	EA 3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	228.10		28.15	
23 05 19 00-0091	EA 1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	272.63		34.12	
23 05 19 00-0092	EA 1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	308.96		43.19	
23 05 19 00-0093	EA 1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	438.34		49.94	
23 05 19 00-0094	EA 2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....	485.51		59.02	
23 05 19 00-0095 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0085)					
23 05 19 00-0096	EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	234.86		18.89	
23 05 19 00-0097	EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	241.69		19.88	
23 05 19 00-0098	EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	260.71		20.89	
23 05 19 00-0099	EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	276.47		28.15	
23 05 19 00-0100	EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	293.18		34.12	
23 05 19 00-0101	EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	317.43		43.19	
23 05 19 00-0102	EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	602.79		49.94	
23 05 19 00-0103	EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....	645.12		59.02	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
23 05 19 00-0104 Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (23 05 19 00-0085)					
23 05 19 00-0105	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	340.06		18.89
23 05 19 00-0106	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	358.98		19.88
23 05 19 00-0107	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	390.09		20.89
23 05 19 00-0108	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	423.98		28.15
23 05 19 00-0109	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	486.65		34.12
23 05 19 00-0110	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	514.52		43.19
23 05 19 00-0111	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,038.08		49.94
23 05 19 00-0112	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,092.50		59.02
23 05 19 00-0113 Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators (23 05 19 00-0085)					
23 05 19 00-0114	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	231.23		18.89
23 05 19 00-0115	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	240.48		19.88
23 05 19 00-0116	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	254.66		20.89
23 05 19 00-0117	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	275.26		28.15
23 05 19 00-0118	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	291.97		34.12
23 05 19 00-0119	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	317.43		43.19
23 05 19 00-0120	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	595.53		49.94
23 05 19 00-0121	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	635.45		59.02
23 05 19 00-0122 Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0085)					
23 05 19 00-0123	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	337.64		18.89
23 05 19 00-0124	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	363.81		19.88
23 05 19 00-0125	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	397.34		20.89
23 05 19 00-0126	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	423.98		28.15
23 05 19 00-0127	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	486.65		34.12
23 05 19 00-0128	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	519.36		43.19
23 05 19 00-0129	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,038.08		49.94
23 05 19 00-0130	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,092.50		59.02
23 05 19 00-0131 Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators (23 05 19 00-0085)					
23 05 19 00-0132	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	496.32		34.12
23 05 19 00-0133	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	558.05		43.19
23 05 19 00-0134	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	634.22		49.94
23 05 19 00-0135	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	712.83		59.02
23 05 19 00-0136 Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators (23 05 19 00-0085)					
23 05 19 00-0137	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,092.66		136.20
23 05 19 00-0138	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,220.40		172.92
23 05 19 00-0139	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,797.61		203.05
23 05 19 00-0140	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,712.48		340.40
23 05 19 00-0141	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,379.71		402.55
23 05 19 00-0142 Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators (23 05 19 00-0085)					
23 05 19 00-0143	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	838.20		97.28
23 05 19 00-0144	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	989.82		113.50
23 05 19 00-0145	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,067.87		136.20
23 05 19 00-0146	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,338.29		172.92
23 05 19 00-0147	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,942.10		203.05
23 05 19 00-0148	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,869.06		340.40
23 05 19 00-0149 Flowmeters (23 05 19)					
23 05 19 00-0150 Polyvinyl Chloride (PVC) Turbine Flowmeters (23 05 19 00-0149)					
23 05 19 00-0151	EA	2", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,893.34		223.06
23 05 19 00-0152	EA	3", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,227.78		237.86
23 05 19 00-0153	EA	4", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,552.29		247.85
23 05 19 00-0154	EA	6", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	3,175.84		254.86
23 05 19 00-0155	EA	2", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,815.90		172.98
23 05 19 00-0156	EA	3", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,256.57		220.61
23 05 19 00-0157	EA	4", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,824.80		369.83
23 05 19 00-0158	EA	6", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	3,709.11		467.16

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 19 00-0159	EA	2", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101).....	3,066.39	223.06
		<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0160	EA	3", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101).....	3,400.83	237.86
		<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0161	EA	4", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101).....	3,725.34	247.85
		<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0162	EA	6", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101).....	4,348.89	254.86
		<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0163	EA	2", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101).....	2,988.96	172.98
		<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0164	EA	3", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101).....	3,429.63	220.61
		<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0165	EA	4", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101).....	3,997.85	369.83
		<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0166	EA	6", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101).....	4,882.17	467.16
		<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0167	EA	2", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102).....	2,761.70	223.06
23 05 19 00-0168	EA	3", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102).....	3,096.14	237.86
23 05 19 00-0169	EA	4", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102).....	3,420.65	247.85
23 05 19 00-0170	EA	6", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102).....	4,044.20	254.86
23 05 19 00-0171	EA	2", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102).....	2,914.05	223.19
23 05 19 00-0172	EA	3", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102).....	3,324.66	238.12
23 05 19 00-0173	EA	4", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102).....	3,725.34	247.85
23 05 19 00-0174	EA	6", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102).....	4,501.24	254.99
23 05 19 00-0175	EA	2", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104).....	3,340.62	223.06
23 05 19 00-0176	EA	3", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104).....	3,675.05	237.86
23 05 19 00-0177	EA	4", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104).....	3,999.57	247.85
23 05 19 00-0178	EA	6", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104).....	4,623.12	254.86
23 05 19 00-0179	EA	2", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104).....	3,263.18	172.98
23 05 19 00-0180	EA	3", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104).....	3,703.85	220.61
23 05 19 00-0181	EA	4", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104).....	4,272.07	369.83
23 05 19 00-0182	EA	6", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104).....	5,156.39	467.16

23 05 19 00-0183 Flanged, Main Line Flowmeters (23 05 19 00-0149)
 Note: Six digit totalizer with rate indicator. AWWA Standard #C704-70.

23 05 19 00-0184 150 Lb., Flanged, Main Line Flow Meters (23 05 19 00-0183)

23 05 19 00-0185	EA	2" x 14" Long, 150 Lb., Flanged, Main Line Flow Meter.....	4,674.22	172.98
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0186	EA	2-1/2" x 16" Long, 150 Lb., Flanged, Main Line Flow Meter.....	4,693.87	188.75
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0187	EA	3" x 16" Long, 150 Lb., Flanged, Main Line Flow Meter.....	4,734.03	220.88
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0188	EA	4" x 20" Long, 150 Lb., Flanged, Main Line Flow Meter.....	5,751.99	370.76
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0189	EA	6" x 22" Long, 150 Lb., Flanged, Main Line Flow Meter.....	6,715.70	467.16
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0190	EA	8" x 24" Long, 150 Lb., Flanged, Main Line Flow Meter.....	8,069.77	596.92
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0191	EA	10" x 26" Long, 150 Lb., Flanged, Main Line Flow Meter.....	10,017.39	708.79
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0192	EA	12" x 28" Long, 150 Lb., Flanged, Main Line Flow Meter.....	11,524.84	860.67
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0193	EA	14" x 42" Long, 150 Lb., Flanged, Main Line Flow Meter.....	14,082.26	1,012.54
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0194	EA	16" x 48" Long, 150 Lb., Flanged, Main Line Flow Meter.....	15,943.63	1,113.80
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0195	EA	18" x 54" Long, 150 Lb., Flanged, Main Line Flow Meter.....	17,846.09	1,235.31
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0196	EA	20" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter.....	20,544.61	1,392.25
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0197	EA	24" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter.....	27,348.41	1,708.67
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0198	EA	30" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter.....	34,854.41	2,784.50
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0199	EA	36" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter.....	42,280.96	3,712.68
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	

23 05 19 00-0200 300 Lb., Flanged, Main Line Flow Meters (23 05 19 00-0183)

23 05 19 00-0201	EA	2" x 20" Long, 300 Lb., Flanged, Main Line Flow Meter.....	5,294.54	173.03
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0202	EA	2-1/2" x 20" Long, 300 Lb., Flanged, Main Line Flow Meter.....	5,314.19	188.75
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0203	EA	3" x 20" Long, 300 Lb., Flanged, Main Line Flow Meter.....	5,354.35	220.88
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0204	EA	4" x 24" Long, 300 Lb., Flanged, Main Line Flow Meter.....	6,230.38	369.83
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0205	EA	6" x 26" Long, 300 Lb., Flanged, Main Line Flow Meter.....	7,535.79	467.16
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0206	EA	8" x 28" Long, 300 Lb., Flanged, Main Line Flow Meter.....	9,399.79	596.92
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0207	EA	10" x 30" Long, 300 Lb., Flanged, Main Line Flow Meter.....	12,624.86	708.79
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	
23 05 19 00-0208	EA	12" x 32" Long, 300 Lb., Flanged, Main Line Flow Meter.....	15,972.26	860.67
		<i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	165.00	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0209	EA	14" x 42" Long, 300 Lb., Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	19,118.46 165.00		1,012.54
23 05 19 00-0210	EA	16" x 48" Long, 300 Lb., Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	21,989.18 165.00		1,113.80
23 05 19 00-0211 Adjustable, Insertion Turbine Flowmeters (23 05 19 00-0149)					
23 05 19 00-0212	EA	For 1-1/2" To 3" Pipe, Probe Assembly With Display, Adjustable, Insertion Turbine Flowmeter	3,965.71		129.77
23 05 19 00-0213	EA	For 1-1/2" To 10" Pipe, Probe Assembly With Display, Adjustable, Insertion Turbine Flowmeter	4,070.85		129.77
23 05 19 00-0214	EA	For 1-1/2" To 3" Pipe, Probe Assembly With 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	3,310.25		259.53
23 05 19 00-0215	EA	For 1-1/2" To 10" Pipe, Probe Assembly With 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	3,545.15		129.77
23 05 19 00-0216	EA	For 1-1/2" To 3" Pipe, Probe Assembly With Display And 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter.....	4,701.69		129.77
23 05 19 00-0217	EA	For 1-1/2" To 10" Pipe, Probe Assembly With Display And 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter.....	4,806.83		129.77
23 05 19 00-0218 Epoxy Coated Cast Iron High-Volume Turbine Meters (23 05 19 00-0149)					
Note: AWWA C-701, Class II.					
23 05 19 00-0219 Meters With Mechanical Display (23 05 19 00-0218)					
23 05 19 00-0220	EA	2", 4.4 To 175 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	3,537.18		223.19
23 05 19 00-0221	EA	3", 6 To 330 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	4,360.73		238.12
23 05 19 00-0222	EA	4", 9 To 440 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	5,526.58		247.85
23 05 19 00-0223	EA	6", 35 To 1,150 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	7,869.60		254.99
23 05 19 00-0224	EA	8", 37 To 2,000 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	11,107.35		275.75
23 05 19 00-0225 Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meters (23 05 19 00-0218)					
23 05 19 00-0226	EA	2", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	3,926.19		223.19
23 05 19 00-0227	EA	3", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	4,760.27		238.12
23 05 19 00-0228	EA	4", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	5,978.68		247.85
23 05 19 00-0229	EA	6", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	8,279.65		254.99
23 05 19 00-0230	EA	8", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	11,491.11		275.75
23 05 19 00-0231 Bronze High-Volume Turbine Meters (23 05 19 00-0149)					
Note: AWWA C-701, Class II.					
23 05 19 00-0232 Mechanical Display, Bronze High-Volume Turbine Meters (23 05 19 00-0231)					
23 05 19 00-0233	EA	1-1/2", 3 To 160 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter).....	2,702.24		194.65
23 05 19 00-0234	EA	2", 4 To 350 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter).....	3,116.62		223.19
23 05 19 00-0235	EA	3", 5 To 530 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter).....	4,712.95		238.12
23 05 19 00-0236	EA	4", 9 To 1,350 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter).....	6,972.25		247.85
23 05 19 00-0237	EA	6", 25 To 2,700 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter).....	12,600.90		254.99
23 05 19 00-0238 Electrical Output, Bronze High-Volume Turbine Meters (23 05 19 00-0231)					
23 05 19 00-0239	EA	1-1/2", 3 To 160 GPM Electrical Output, Bronze High-Volume Turbine Meter.....	3,101.77		194.65
23 05 19 00-0240	EA	2", 4 To 350 GPM Electrical Output, Bronze High-Volume Turbine Meter.....	3,521.40		223.19
23 05 19 00-0241	EA	3", 5 To 530 GPM Electrical Output, Bronze High-Volume Turbine Meter.....	5,112.48		238.12
23 05 19 00-0242	EA	4", 9 To 1,350 GPM Electrical Output, Bronze High-Volume Turbine Meter.....	7,371.79		247.85
23 05 19 00-0243	EA	6", 25 To 2,700 GPM Electrical Output, Bronze High-Volume Turbine Meter.....	13,326.37		254.99
23 05 19 00-0244 Multi-Jet Meters (23 05 19 00-0149)					
23 05 19 00-0245 Hostile Environment Multi-Jet Meters (23 05 19 00-0244)					
Note: Wetted materials are Viton, PP, 316 stainless steel and electroless-nickel plated bronze. AWWA C-708, Class II.					
23 05 19 00-0246	EA	1/2", 1 To 20 GPM Hostile Environment Multi-Jet Meter (Master Meter)	1,700.26		40.87
23 05 19 00-0247	EA	3/4", 1 To 30 GPM Hostile Environment Multi-Jet Meter (Master Meter)	1,984.89		53.85
23 05 19 00-0248	EA	1", 1 To 50 GPM Hostile Environment Multi-Jet Meter (Master Meter)	2,436.62		61.64
23 05 19 00-0249	EA	1-1/2", 5 To 100 GPM Hostile Environment Multi-Jet Meter (Master Meter)	4,083.93		81.10
23 05 19 00-0250	EA	2", 8 To 160 GPM Hostile Environment Multi-Jet Meter (Master Meter)	5,826.14		92.78
23 05 19 00-0251 High-Pressure Multi-Jet Meters (23 05 19 00-0244)					
Note: Wetted materials are bronze, glass-filled Noryl, PP and nylon. AWWA C-708, Class II.					
23 05 19 00-0252	EA	3/4", 1 To 30 GPM High-Pressure Multi-Jet Meter (Master Meter)	5,076.00		53.85
23 05 19 00-0253	EA	1", 1 To 50 GPM High-Pressure Multi-Jet Meter (Master Meter)	7,262.55		61.64
23 05 19 00-0254	EA	1-1/2", 5 To 100 GPM High-Pressure Multi-Jet Meter (Master Meter)	13,236.37		81.10
23 05 19 00-0255	EA	2", 8 To 160 GPM High-Pressure Multi-Jet Meter (Master Meter)	16,776.47		92.78
23 05 19 00-0256 Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meters (23 05 19 00-0149)					
23 05 19 00-0257	EA	3", 45 To 250 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter.....	6,065.24		435.76
23 05 19 00-0258	EA	4", 55 To 500 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter.....	6,509.00		369.83
23 05 19 00-0259	EA	6", 120 To 1,200 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter.....	7,157.29		467.16
23 05 19 00-0260	EA	8", 150 To 1,500 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter.....	8,889.86		596.92
23 05 19 00-0261 In-Line Flowmeters (23 05 19 00-0149)					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 19 00-0262	Standard Flowmeter, Polyvinyl Chloride (PVC), Brass, 316 Stainless Steel, Viton (23 05 19 00-0261)				
23 05 19 00-0263	EA	3/4" In Line Flowmeter	647.45	53.85	
23 05 19 00-0264	EA	1" In Line Flowmeter	663.02	61.64	
23 05 19 00-0265	EA	1-1/2" In Line Flowmeter	981.57	81.10	
23 05 19 00-0266	EA	3/4" In Line Flowmeter With SPDP Switch	888.37	53.85	
23 05 19 00-0267	EA	1" In Line Flowmeter With SPDP Switch	903.94	61.64	
23 05 19 00-0268	EA	1-1/2" In Line Flowmeter With SPDP Switch	1,333.47	81.10	
23 05 19 00-0269	Water Flow Switches (23 05 19)				
23 05 19 00-0270	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	309.42	38.24	
23 05 19 00-0271	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	320.48	38.24	
23 05 19 00-0272	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	413.87	38.24	
23 05 19 00-0273	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	428.01	38.24	
23 05 19 00-0274	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	334.62	38.24	
23 05 19 00-0275	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	347.51	38.24	
23 05 19 00-0276	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	439.07	38.24	
23 05 19 00-0277	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	451.97	38.24	
23 05 19 00-0278	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	867.28	38.24	
23 05 19 00-0279	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	879.77	38.24	
23 05 19 00-0280	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	998.49	38.24	
23 05 19 00-0281	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	1,015.68	38.24	
23 05 19 00-0282	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	896.96	38.24	
23 05 19 00-0283	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	914.14	38.24	
23 05 19 00-0284	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	1,028.17	38.24	
23 05 19 00-0285	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,046.92	38.24	

23 05 23 General Duty Valves For HVAC Piping (23 05)

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additional valves, 23 21 13 23-0713 for bolt and gasket sets.

23 05 23 00-0001		Triple Duty Valves (23 05 23)			
Note: Valves function as a shut-off, check valve and calibrated balancing valve.					
23 05 23 00-0002		Straight Pattern, Triple Duty Valves (23 05 23 00-0001)			
Note: Bell & Gossett 3DX and 3DS-S Series.					
23 05 23 00-0003	EA	1" Threaded, Straight Pattern, Triple Duty Valve	325.80		13.62
23 05 23 00-0004	EA	1-1/4" Threaded, Straight Pattern, Triple Duty Valve	377.97		17.26
23 05 23 00-0005	EA	1-1/2" Threaded, Straight Pattern, Triple Duty Valve	410.77		19.97
23 05 23 00-0006	EA	2" Flanged, Straight Pattern, Triple Duty Valve	1,061.78		172.92
23 05 23 00-0007	EA	2-1/2" Flanged, Straight Pattern, Triple Duty Valve	1,193.96		173.19
23 05 23 00-0008	EA	3" Flanged, Straight Pattern, Triple Duty Valve	1,308.67		203.05
23 05 23 00-0009	EA	4" Flanged, Straight Pattern, Triple Duty Valve	2,671.73		340.40
23 05 23 00-0010	EA	5" Flanged, Straight Pattern Triple Duty Valve	3,100.67		362.29
23 05 23 00-0011	EA	6" Flanged, Straight Pattern, Triple Duty Valve	4,120.56		402.55
23 05 23 00-0012	EA	8" Flanged, Straight Pattern, Triple Duty Valve	5,547.20		514.37
23 05 23 00-0013	EA	10" Flanged, Straight Pattern, Triple Duty Valve	8,888.60		626.18
23 05 23 00-0014		Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0001)			
Note: Bell & Gossett 3D-S Series.					
23 05 23 00-0015	EA	2" Flanged, Angle Pattern, Triple Duty Valve	1,037.48		172.92
23 05 23 00-0016	EA	2-1/2" Flanged, Angle Pattern, Triple Duty Valve	1,164.80		173.19
23 05 23 00-0017	EA	3" Flanged, Angle Pattern, Triple Duty Valve	1,284.37		203.05
23 05 23 00-0018	EA	4" Flanged, Angle Pattern, Triple Duty Valve	2,608.56		340.40
23 05 23 00-0019	EA	5" Flanged, Angle Pattern, Triple Duty Valve	3,022.92		362.29
23 05 23 00-0020	EA	6" Flanged, Angle Pattern, Triple Duty Valve	3,391.62		402.55
23 05 23 00-0021	EA	8" Flanged, Angle Pattern, Triple Duty Valve	5,202.16		514.37
23 05 23 00-0022	EA	10" Flanged, Angle Pattern, Triple Duty Valve	6,949.60		626.18
23 05 23 00-0023		Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0001)			
Note: Bell & Gossett 3DS-B Series.					
23 05 23 00-0024	EA	3" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,201.76		203.05
23 05 23 00-0025	EA	4" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,389.87		340.40
23 05 23 00-0026	EA	5" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,775.08		362.29
23 05 23 00-0027	EA	6" Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,678.33		402.55
23 05 23 00-0028	EA	8" Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,944.60		514.37
23 05 23 00-0029	EA	10" Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,882.65		626.18
23 05 23 00-0030	EA	12" Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,854.00		760.36
23 05 23 00-0031	EA	14" Flanged, Balanced, Straight Pattern, Triple Duty Valve	14,406.26		894.54
23 05 23 00-0032	EA	16" Flanged, Balanced, Straight Pattern, Triple Duty Valve	18,040.47		984.00
23 05 23 00-0033		Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0001)			
Note: Bell & Gossett 3DS-G Series.					
23 05 23 00-0034	EA	2" Grooved, Straight Pattern, Triple Duty Valve	1,116.47		32.04
23 05 23 00-0035	EA	2-1/2" Grooved, Straight Pattern, Triple Duty Valve	1,330.92		38.22
23 05 23 00-0036	EA	3" Grooved, Straight Pattern, Triple Duty Valve	1,549.16		41.45
23 05 23 00-0037	EA	4" Grooved, Straight Pattern, Triple Duty Valve	2,570.19		44.67
23 05 23 00-0038	EA	5" Grooved, Straight Pattern, Triple Duty Valve	2,976.47		57.03
23 05 23 00-0039	EA	6" Grooved, Straight Pattern Triple Duty Valve	3,968.13		73.13
23 05 23 00-0040	EA	8" Grooved, Straight Pattern Triple Duty Valve	5,396.78		92.81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0041 EA 10" Grooved, Straight Pattern Triple Duty Valve.....	8,515.13	103.99
23 05 23 00-0042 EA 12" Grooved, Straight Pattern Triple Duty Valve.....	13,518.67	126.80
23 05 23 00-0043 Plug Valves (23 05 23)		
23 05 23 00-0044 Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0043)		
Note: Includes wrench.		
23 05 23 00-0045 EA 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	312.18	12.97
23 05 23 00-0046 EA 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	326.73	14.27
23 05 23 00-0047 EA 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	413.08	16.22
23 05 23 00-0048 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	494.73	17.26
23 05 23 00-0049 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	543.89	19.97
23 05 23 00-0050 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	642.03	23.60
23 05 23 00-0051 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	961.95	31.89
23 05 23 00-0052 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,176.78	37.02
23 05 23 00-0053 Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0043)		
Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0054 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	772.39	172.92
23 05 23 00-0055 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	949.81	173.19
23 05 23 00-0056 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,174.72	203.05
23 05 23 00-0057 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,673.22	340.40
23 05 23 00-0058 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,830.63	402.55
23 05 23 00-0059 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,630.48	514.37
23 05 23 00-0060 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	10,767.31	626.18
23 05 23 00-0061 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	16,104.01	760.36
23 05 23 00-0062 Plug Valves, Forged Steel, Screwed (23 05 23 00-0043)		
23 05 23 00-0063 EA 1/2" Plug Valve, 1,500 Lb., Forged Steel, Screwed	1,198.13	12.97
23 05 23 00-0064 EA 3/4" Plug Valve, 1,500 Lb., Forged Steel, Screwed	1,415.85	14.27
23 05 23 00-0065 EA 1" Plug Valve, 1,500 Lb., Forged Steel, Screwed	1,600.79	16.22
23 05 23 00-0066 EA 1-1/4" Plug Valve, 1,500 Lb., Forged Steel, Screwed	1,920.81	17.26
23 05 23 00-0067 EA 1-1/2" Plug Valve, 1,500 Lb., Forged Steel, Screwed	2,236.77	19.97
23 05 23 00-0068 EA 2" Plug Valve, 1,500 Lb., Forged Steel, Screwed	2,942.17	23.60
23 05 23 00-0069 Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0043)		
23 05 23 00-0070 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,238.58	340.40
23 05 23 00-0071 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,897.36	402.55
23 05 23 00-0072 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,579.78	514.37
23 05 23 00-0073 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,655.34	626.18
23 05 23 00-0074 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,718.56	760.36
23 05 23 00-0075 Foot Valves (23 05 23)		
23 05 23 00-0076 Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0075)		
23 05 23 00-0077 EA 1" Single Poppet Foot Valve, Metal To Metal Seat Construction	104.88	32.44
23 05 23 00-0078 EA 1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction	119.22	36.33
23 05 23 00-0079 EA 1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	152.42	41.53
23 05 23 00-0080 EA 2" Single Poppet Foot Valve, Metal To Metal Seat Construction	200.03	46.71
23 05 23 00-0081 EA 2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	453.93	76.56
23 05 23 00-0082 EA 3" Single Poppet Foot Valve, Metal To Metal Seat Construction	580.01	93.43
23 05 23 00-0083 Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0075)		
23 05 23 00-0084 EA 1" Double Poppet Foot Valve, Metal To Metal Seat Construction	104.88	32.44
23 05 23 00-0085 EA 1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction	222.00	36.33
23 05 23 00-0086 EA 1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction	211.71	41.53
23 05 23 00-0087 EA 2" Double Poppet Foot Valve, Metal To Metal Seat Construction	286.95	46.71
23 05 23 00-0088 EA 3" Double Poppet Foot Valve, Metal To Metal Seat Construction	561.70	76.56
23 05 23 00-0089 EA 4" Double Poppet Foot Valve, Metal To Metal Seat Construction	762.88	92.14
23 05 23 00-0090 Foot Valves, Buna-N-Ring And Stainless Steel Screen, SSI Model (23 05 23 00-0075)		
23 05 23 00-0091 Flanged Cast Iron Foot Valves, ASTM A126 Grade B (SSI 125FVIB) (23 05 23 00-0090)		
23 05 23 00-0092 EA 2" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	1,247.21	79.63
23 05 23 00-0093 EA 2-1/2" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	1,486.40	86.87
23 05 23 00-0094 EA 3" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	1,833.22	101.65
23 05 23 00-0095 EA 4" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	2,287.68	170.63
23 05 23 00-0096 EA 6" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	3,559.28	215.76
23 05 23 00-0097 EA 8" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	4,922.74	273.00
23 05 23 00-0098 EA 10" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	7,432.95	334.44
23 05 23 00-0099 EA 12" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	11,848.41	405.38
23 05 23 00-0100 Flanged Cast Steel Foot Valve, ASTM A216 WBC (SSI 150FVFS) (23 05 23 00-0090)		
23 05 23 00-0101 EA 2" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	1,502.73	79.63
23 05 23 00-0102 EA 4" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	2,199.51	170.63
23 05 23 00-0103 EA 6" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	3,348.16	215.76
23 05 23 00-0104 EA 8" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	5,005.59	273.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 05 23 00-0105	EA	10" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	6,909.24	334.44	
23 05 23 00-0106	EA	12" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	10,154.12	405.38	
23 05 23 00-0107		Flanged Cast Stainless Steel Foot Valve, ASTM A351 Grade CF8M (SSI 150FVFSS) (23 05 23 00-0090)			
23 05 23 00-0108	EA	2" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS.....	970.77	79.63	
23 05 23 00-0109	EA	4" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS.....	1,659.09	170.63	
23 05 23 00-0110	EA	6" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS.....	2,579.82	129.07	
23 05 23 00-0111	EA	8" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS.....	3,834.93	273.00	
23 05 23 00-0112	EA	10" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS.....	5,564.30	334.44	
23 05 23 00-0113	EA	12" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS.....	9,434.87	405.38	
23 05 23 00-0114		Float Valves (23 05 23)			
23 05 23 00-0115		Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0114)			
23 05 23 00-0116		Single Seat, Bronze Construction (23 05 23 00-0115)			
Note: For storage tanks, reservoirs, cooling towers and filtration plants.					
23 05 23 00-0117	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	240.30	27.24	
23 05 23 00-0118	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	275.54	32.43	
23 05 23 00-0119	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	356.95	35.02	
23 05 23 00-0120	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve.....	594.59	44.11	
23 05 23 00-0121	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve.....	607.56	50.59	
23 05 23 00-0122		Double Seat, Bronze Construction (23 05 23 00-0115)			
Note: For hot or cold water or oil to open tanks.					
23 05 23 00-0123	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	1,280.64	27.24	
23 05 23 00-0124	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	1,291.02	32.43	
23 05 23 00-0125	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	1,489.98	35.02	
23 05 23 00-0126	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve.....	1,647.47	44.11	
23 05 23 00-0127	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve.....	1,883.38	50.59	
23 05 23 00-0128	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	2,470.04	59.67	
23 05 23 00-0129	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve.....	2,873.13	80.02	
23 05 23 00-0130	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	3,455.54	91.97	
23 05 23 00-0131		Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0114)			
Note: Includes arm, ball and bracket.					
23 05 23 00-0132		Brass Body Threaded Ends (23 05 23 00-0131)			
23 05 23 00-0133	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	255.66	35.15	
23 05 23 00-0134	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	288.94	39.05	
23 05 23 00-0135	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	357.12	43.19	
23 05 23 00-0136	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	570.93	69.79	
23 05 23 00-0137	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	598.94	79.52	
23 05 23 00-0138	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	675.71	98.58	
23 05 23 00-0139		Cast Iron Body Flanged (23 05 23 00-0131)			
23 05 23 00-0140	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	8,052.85	173.19	
23 05 23 00-0141	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	9,736.80	203.05	
23 05 23 00-0142		Float Operated Valves (23 05 23 00-0114)			
23 05 23 00-0143		For Condensate Receivers Tanks And Vessels (23 05 23 00-0142)			
Note: Cast iron body, self-contained, float in-line mount.					
23 05 23 00-0144	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	902.15	60.97	
23 05 23 00-0145		For Condensate Receivers Tanks And Vessels (23 05 23 00-0142)			
Note: Cast iron body, external float tank mount, flanged.					
23 05 23 00-0146	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	1,138.77	113.47	
23 05 23 00-0147		Needle Valves (23 05 23)			
23 05 23 00-0148		Bronze Needle Valve (23 05 23 00-0147)			
Note: For heating and cooling applications.					
23 05 23 00-0149	EA	1/4" Needle Valve, Bronze.....	125.61	12.97	
23 05 23 00-0150	EA	3/8" Needle Valve, Bronze.....	139.97	12.97	
23 05 23 00-0151	EA	1/2" Needle Valve, Bronze.....	153.04	12.97	
23 05 23 00-0152	EA	3/4" Needle Valve, Bronze.....	232.02	14.27	
23 05 23 00-0153	EA	1" Needle Valve, Bronze.....	354.75	16.22	
23 05 23 00-0154		Eccentric Valves With Taps (23 05 23)			
23 05 23 00-0155		Screwed Eccentric Valves With Taps (23 05 23 00-0154)			
23 05 23 00-0156	EA	1/2" Diameter Eccentric Valves With Taps, Screwed.....	315.21	12.97	
23 05 23 00-0157	EA	3/4" Diameter Eccentric Valves With Taps, Screwed.....	333.97	14.27	
23 05 23 00-0158	EA	1" Diameter Eccentric Valves With Taps, Screwed.....	421.55	16.22	
23 05 23 00-0159	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	511.25	17.26	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0160	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed	558.19	19.97
23 05 23 00-0161	EA	2" Diameter Eccentric Valves With Taps, Screwed	656.25	23.60
23 05 23 00-0162	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed	991.96	31.89
23 05 23 00-0163	EA	3" Diameter Eccentric Valves With Taps, Screwed	1,205.71	37.02
23 05 23 00-0164 Flanged Eccentric Valves With Taps (23 05 23 00-0154)				
23 05 23 00-0165	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged	1,205.49	173.19
23 05 23 00-0166	EA	3" Diameter Eccentric Valves With Taps, Flanged	1,431.70	203.05
23 05 23 00-0167	EA	4" Diameter Eccentric Valves With Taps, Flanged	1,919.57	340.40
23 05 23 00-0168	EA	5" Diameter Eccentric Valves With Taps, Flanged	2,554.97	362.29
23 05 23 00-0169	EA	6" Diameter Eccentric Valves With Taps, Flanged	3,238.63	402.55
23 05 23 00-0170	EA	8" Diameter Eccentric Valves With Taps, Flanged	5,580.54	514.37
23 05 23 00-0171	EA	10" Diameter Eccentric Valves With Taps, Flanged	7,827.10	626.18
23 05 23 00-0172	EA	12" Diameter Eccentric Valves With Taps, Flanged	13,460.42	760.36
23 05 23 00-0173 Earthquake-Sensitive Gas Shut-Off Valves (23 05 23)				
23 05 23 00-0174 0.5 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0173)				
23 05 23 00-0175	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	189.61	14.27
23 05 23 00-0176	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	214.93	16.22
23 05 23 00-0177 7 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0173)				
23 05 23 00-0178	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	251.46	17.26
23 05 23 00-0179	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	338.09	19.97
23 05 23 00-0180 60 PSI Threaded Earthquake Gas Shutoff Valves (23 05 23 00-0173)				
23 05 23 00-0181	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	233.60	14.27
23 05 23 00-0182	EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	245.48	16.22
23 05 23 00-0183	EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	275.91	17.26
23 05 23 00-0184	EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	374.75	19.97
23 05 23 00-0185	EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	851.19	23.60
23 05 23 00-0186	EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,014.18	31.78
23 05 23 00-0187	EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,314.19	37.02
23 05 23 00-0188	EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,522.80	41.80
23 05 23 00-0189 60 PSI Flanged Earthquake Gas Shutoff Valves (23 05 23 00-0173)				
23 05 23 00-0190	EA	2" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,193.88	172.92
23 05 23 00-0191	EA	3" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,470.12	203.05
23 05 23 00-0192	EA	4" Flanged, 60 PSI Earthquake Gas Shutoff Valve	2,076.42	340.40
23 05 23 00-0193	EA	6" Flanged, 60 PSI Earthquake Gas Shutoff Valve	3,376.93	402.55
23 05 23 00-0194	EA	8" Flanged, 60 PSI Earthquake Gas Shutoff Valve	9,071.45	514.37
23 05 23 00-0195 Emergency Shut-Off Valve With Fusible Link (23 05 23)				
23 05 23 00-0196 Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) (23 05 23 00-0195)				
Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.				
23 05 23 00-0197	EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	95.94	20.89
For Work In Restricted Working Space, Add			11.33	
23 05 23 00-0198	EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	97.98	22.05
For Work In Restricted Working Space, Add			11.94	
23 05 23 00-0199	EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	161.56	20.89
For Work In Restricted Working Space, Add			12.56	
23 05 23 00-0200	EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	322.21	28.15
For Work In Restricted Working Space, Add			16.92	
23 05 23 00-0201	EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	821.86	34.12
For Work In Restricted Working Space, Add			20.48	
23 05 23 00-0202 Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) (23 05 23 00-0195)				
Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.				
23 05 23 00-0203	EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	620.30	19.97
23 05 23 00-0204	EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	667.80	23.60
23 05 23 00-0205	EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,123.54	37.02
23 05 23 00-0206 Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) (23 05 23 00-0195)				
Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.				
23 05 23 00-0207	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	774.46	172.92
23 05 23 00-0208	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,254.62	203.05
23 05 23 00-0209	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,859.10	340.40
23 05 23 00-0210 Synthetic Sleeve Check Valve (23 05 23)				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0211		Synthetic Sleeve Fall-Out Flap/Duckbill Check Valve (23 05 23 00-0210)	
		Note: Model red valve series TF1, TF2 Or 35. For 35 series valves, select the valve and flange.	
23 05 23 00-0212	EA	4" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	1,431.62 254.41
23 05 23 00-0213	EA	8" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	3,060.92 319.24
23 05 23 00-0214	EA	12" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	4,950.92 473.99
23 05 23 00-0215	EA	20" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	13,477.12 768.86
23 05 23 00-0216	EA	24" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	14,466.27 946.20
23 05 23 00-0217	EA	30" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	24,822.06 1,509.88
23 05 23 00-0218	EA	36" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	30,177.79 3,019.76
23 05 23 00-0219	EA	48" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	53,319.20 4,018.07
23 05 23 00-0220	EA	54" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps	71,227.47 4,467.58
23 05 23 00-0221	EA	4" Rounded Bottom, 316 Stainless Steel Flange, Addition	561.30
23 05 23 00-0222	EA	8" Rounded Bottom, 316 Stainless Steel Flange, Addition	988.26
23 05 23 00-0223	EA	12" Rounded Bottom, 316 Stainless Steel Flange, Addition	1,539.97
23 05 23 00-0224	EA	20" Rounded Bottom, 316 Stainless Steel Flange, Addition	4,586.31
23 05 23 00-0225	EA	24" Rounded Bottom, 316 Stainless Steel Flange, Addition	6,315.78
23 05 23 00-0226	EA	30" Rounded Bottom, 316 Stainless Steel Flange, Addition	8,546.57
23 05 23 00-0227	EA	36" Rounded Bottom, 316 Stainless Steel Flange, Addition	9,566.02
23 05 23 00-0228	EA	48" Rounded Bottom, 316 Stainless Steel Flange, Addition	11,345.85
23 05 23 00-0229	EA	54" Rounded Bottom, 316 Stainless Steel Flange, Addition	18,911.24

23 05 23 00-0230		Synthetic Sleeve In-Line Flap/Duckbill Check Valve (23 05 23 00-0210)	
		Note: Cast iron body. Model red valve Series 39.	
23 05 23 00-0231	EA	4" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges	3,602.62 340.40
23 05 23 00-0232	EA	8" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges	9,982.97 514.37
23 05 23 00-0233	EA	12" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges	15,862.35 760.36
23 05 23 00-0234	EA	18" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges	21,324.39 1,303.07
23 05 23 00-0235	EA	20" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges	35,355.56 1,468.62
23 05 23 00-0236	EA	24" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges	40,350.17 1,802.40
23 05 23 00-0237	EA	4" Viton Sleeve Material, Addition	4,766.62
23 05 23 00-0238	EA	8" Viton Sleeve Material, Addition	5,763.93
23 05 23 00-0239	EA	12" Viton Sleeve Material, Addition	6,628.26
23 05 23 00-0240	EA	18" Viton Sleeve Material, Addition	7,400.54
23 05 23 00-0241	EA	20" Viton Sleeve Material, Addition	8,275.10
23 05 23 00-0242	EA	24" Viton Sleeve Material, Addition	9,369.58

23 05 23 00-0243		Synthetic Sleeve In-Line Flap/Duckbill Check Valve (23 05 23 00-0210)	
		Note: 316 Stainless steel body. Model red valve Series 2633.	
23 05 23 00-0244	EA	1/2" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End	376.38 12.97
23 05 23 00-0245	EA	3/4" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End	416.89 14.27
23 05 23 00-0246	EA	1" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End	515.28 16.22
23 05 23 00-0247	EA	1-1/2" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End	656.37 19.97
23 05 23 00-0248	EA	2" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End	737.97 23.60
23 05 23 00-0249	EA	3" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End	950.87 37.02
23 05 23 00-0250	EA	1/2" Viton Sleeve Material, Addition	202.28
23 05 23 00-0251	EA	3/4" Viton Sleeve Material, Addition	239.06
23 05 23 00-0252	EA	1" Viton Sleeve Material, Addition	297.91
23 05 23 00-0253	EA	1-1/2" Viton Sleeve Material, Addition	349.40
23 05 23 00-0254	EA	2" Viton Sleeve Material, Addition	478.13
23 05 23 00-0255	EA	3" Viton Sleeve Material, Addition	374.08

23 05 23 00-0256		Solenoid Valves (23 05 23)	
23 05 23 00-0257		Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23 00-0256)	
23 05 23 00-0258	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Water	144.53 12.97
23 05 23 00-0259	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Water	167.73 12.97
23 05 23 00-0260	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Water	214.71 14.27
23 05 23 00-0261	EA	1" Solenoid Valve, Bronze, 150 PSI, Water	316.23 16.22
23 05 23 00-0262	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	557.53 19.97
23 05 23 00-0263	EA	2" Solenoid Valve, Bronze, 150 PSI, Water	872.64 23.60
23 05 23 00-0264	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	1,188.54 31.89
23 05 23 00-0265	EA	3" Solenoid Valve, Bronze, 150 PSI, Water	1,723.72 37.02

23 05 23 00-0266		Polyvinyl Chloride (PVC) Body Solenoid Valves (23 05 23 00-0256)	
23 05 23 00-0267	EA	1/2" Polyvinyl Chloride (PVC) Solenoid Valve, Viton Seals	222.53 12.97
23 05 23 00-0268	EA	3/4" Polyvinyl Chloride (PVC) Solenoid Valve, Viton Seals	302.12 14.27
23 05 23 00-0269	EA	1" Polyvinyl Chloride (PVC) Solenoid Valve, Viton Seals	336.71 16.22
23 05 23 00-0270	EA	1/2" Polyvinyl Chloride (PVC) Solenoid Valve, Ethylene Propylene Diene Monomer (EPDM) Seals	218.40 12.97
23 05 23 00-0271	EA	3/4" Polyvinyl Chloride (PVC) Solenoid Valve, Ethylene Propylene Diene Monomer (EPDM) Seals	295.93 14.27
23 05 23 00-0272	EA	1" Polyvinyl Chloride (PVC) Solenoid Valve, Ethylene Propylene Diene Monomer (EPDM) Seals	329.49 16.22

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 05 23 00-0273	Gate Valves (23 05 23)			
23 05 23 00-0274	Class 125 Threaded, Bronze Gate Valves (23 05 23 00-0273)			
	Note: 125 psi steam, basic rating. 200 psi cold working pressure.			
23 05 23 00-0275	EA 1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	71.28		12.97
	For 150 Lb. Rating, Add	3.35		
	For 200 Lb. Rating, Add	5.03		
	For 250 Lb. Rating, Add	8.38		
	For 300 Lb. Rating, Add	11.73		
	For Work In Restricted Working Space, Add	11.33		
23 05 23 00-0276	EA 3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	73.27		12.97
	For 150 Lb. Rating, Add	3.35		
	For 200 Lb. Rating, Add	5.03		
	For 250 Lb. Rating, Add	8.38		
	For 300 Lb. Rating, Add	11.73		
	For Work In Restricted Working Space, Add	11.93		
23 05 23 00-0277	EA 1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	75.36		12.97
	For 150 Lb. Rating, Add	3.35		
	For 200 Lb. Rating, Add	5.03		
	For 250 Lb. Rating, Add	8.38		
	For 300 Lb. Rating, Add	11.73		
	For Work In Restricted Working Space, Add	12.56		
23 05 23 00-0278	EA 3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	96.38		14.27
	For 150 Lb. Rating, Add	4.00		
	For 200 Lb. Rating, Add	6.00		
	For 250 Lb. Rating, Add	10.00		
	For 300 Lb. Rating, Add	13.99		
	For Work In Restricted Working Space, Add	16.92		
23 05 23 00-0279	EA 1" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	128.67		16.22
	For 150 Lb. Rating, Add	6.04		
	For 200 Lb. Rating, Add	9.06		
	For 250 Lb. Rating, Add	15.10		
	For 300 Lb. Rating, Add	21.14		
	For Work In Restricted Working Space, Add	20.48		
23 05 23 00-0280	EA 1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	167.91		17.26
	For 150 Lb. Rating, Add	8.14		
	For 200 Lb. Rating, Add	12.21		
	For 250 Lb. Rating, Add	20.36		
	For 300 Lb. Rating, Add	28.50		
	For Work In Restricted Working Space, Add	25.94		
23 05 23 00-0281	EA 1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	202.39		19.97
	For 150 Lb. Rating, Add	10.26		
	For 200 Lb. Rating, Add	15.39		
	For 250 Lb. Rating, Add	25.65		
	For 300 Lb. Rating, Add	35.91		
	For Work In Restricted Working Space, Add	29.93		
23 05 23 00-0282	EA 2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	258.13		23.60
	For 150 Lb. Rating, Add	14.02		
	For 200 Lb. Rating, Add	21.03		
	For 250 Lb. Rating, Add	35.05		
	For 300 Lb. Rating, Add	49.07		
	For Work In Restricted Working Space, Add	35.38		
23 05 23 00-0283	EA 2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	559.11		31.89
	For Chain Operated Type, Add	179.94		
	For 150 Lb. Rating, Add	39.99		
	For 200 Lb. Rating, Add	59.98		
	For 250 Lb. Rating, Add	99.97		
	For 300 Lb. Rating, Add	139.95		
	For Work In Restricted Working Space, Add	47.78		
23 05 23 00-0284	EA 3" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	661.73		37.02
	For Chain Operated Type, Add	215.09		
	For 150 Lb. Rating, Add	47.80		
	For 200 Lb. Rating, Add	71.70		
	For 250 Lb. Rating, Add	119.50		
	For 300 Lb. Rating, Add	167.29		
	For Work In Restricted Working Space, Add	55.13		
23 05 23 00-0285	EA 4" Diameter, 125 Lb., Threaded Bronze Gate Valve.....	1,347.70		41.80
	For Chain Operated Type, Add	512.41		
	For 150 Lb. Rating, Add	113.87		
	For 200 Lb. Rating, Add	170.80		
	For 250 Lb. Rating, Add	284.67		
	For 300 Lb. Rating, Add	398.54		
	For Work In Restricted Working Space, Add	62.71		
23 05 23 00-0286	Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0273)			
	Note: 125 psi steam, basic rating. 200 psi cold working pressure.			
23 05 23 00-0287	EA 1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	297.69		19.97
	For 150 Lb. Rating, Add	39.58		
	For 250 Lb. Rating, Add	69.27		
	For Chain Operated Type, Add	69.27		
	For Work In Restricted Working Space, Add	29.93		
23 05 23 00-0288	EA 2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	452.35		23.60
	For 150 Lb. Rating, Add	66.88		
	For 250 Lb. Rating, Add	117.05		
	For Chain Operated Type, Add	117.05		
	For Work In Restricted Working Space, Add	35.38		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0289	EA 2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	662.22	31.89
	For 150 Lb. Rating, Add	100.59	
	For 250 Lb. Rating, Add	176.04	
	For Chain Operated Type, Add	176.04	
	For Work In Restricted Working Space, Add	47.78	
23 05 23 00-0290	EA 3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	843.67	37.02
	For 150 Lb. Rating, Add	131.98	
	For 250 Lb. Rating, Add	230.97	
	For Chain Operated Type, Add	230.97	
	For Work In Restricted Working Space, Add	55.13	
23 05 23 00-0291	EA 4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,985.46	41.80
	For 150 Lb. Rating, Add	355.29	
	For 250 Lb. Rating, Add	621.75	
	For Chain Operated Type, Add	621.75	
	For Work In Restricted Working Space, Add	62.71	

23 05 23 00-0292 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves

(23 05 23 00-0273)

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0293	EA 1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	778.63	136.20
	For 150 Lb. Rating, Add	176.31	
	For 250 Lb. Rating, Add	303.98	
	For 300 Lb. Rating, ASTM A182, Add	693.29	
	For Chain Operated Type, Add	303.98	
	For Work In Restricted Working Space, Add	51.20	
23 05 23 00-0294	EA 2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	852.02	172.92
	For 150 Lb. Rating, Add	184.39	
	For 250 Lb. Rating, Add	317.91	
	For 300 Lb. Rating, ASTM A182, Add	743.92	
	For Chain Operated Type, Add	317.91	
	For Work In Restricted Working Space, Add	64.86	
23 05 23 00-0295	EA 2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	980.03	173.19
	For 150 Lb. Rating, Add	221.23	
	For 250 Lb. Rating, Add	381.43	
	For 300 Lb. Rating, ASTM A182, Add	871.45	
	For Chain Operated Type, Add	381.43	
	For Work In Restricted Working Space, Add	65.15	
23 05 23 00-0296	EA 3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,207.66	203.05
	For 150 Lb. Rating, Add	276.52	
	For 250 Lb. Rating, Add	476.77	
	For 300 Lb. Rating, ASTM A182, Add	1,080.60	
	For Chain Operated Type, Add	476.77	
	For Work In Restricted Working Space, Add	76.24	
23 05 23 00-0297	EA 4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,698.02	340.40
	For 150 Lb. Rating, Add	368.72	
	For 250 Lb. Rating, Add	635.72	
	For 300 Lb. Rating, ASTM A182, Add	1,484.73	
	For Chain Operated Type, Add	635.72	
	For Work In Restricted Working Space, Add	127.97	
23 05 23 00-0298	EA 5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,104.89	362.29
	For 150 Lb. Rating, Add	479.29	
	For 250 Lb. Rating, Add	826.36	
	For 300 Lb. Rating, ASTM A182, Add	1,878.81	
	For Chain Operated Type, Add	826.36	
	For Work In Restricted Working Space, Add	135.65	
23 05 23 00-0299	EA 6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,538.88	402.55
	For 150 Lb. Rating, Add	589.83	
	For 250 Lb. Rating, Add	1,016.95	
	For 300 Lb. Rating, ASTM A182, Add	2,286.39	
	For Chain Operated Type, Add	1,016.95	
	For Work In Restricted Working Space, Add	151.50	
23 05 23 00-0300	EA 8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,008.12	514.37
	For 150 Lb. Rating, Add	977.06	
	For 250 Lb. Rating, Add	1,684.58	
	For 300 Lb. Rating, ASTM A182, Add	3,688.64	
	For Chain Operated Type, Add	1,684.58	
	For Work In Restricted Working Space, Add	191.69	
23 05 23 00-0301	EA 10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	5,232.25	626.18
	For 150 Lb. Rating, Add	1,290.36	
	For 250 Lb. Rating, Add	2,224.77	
	For 300 Lb. Rating, ASTM A182, Add	4,840.89	
	For Chain Operated Type, Add	2,224.77	
	For Work In Restricted Working Space, Add	234.82	
23 05 23 00-0302	EA 12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	7,305.55	760.36
	For 150 Lb. Rating, Add	1,843.47	
	For 250 Lb. Rating, Add	3,178.40	
	For 300 Lb. Rating, ASTM A182, Add	6,831.17	
	For Chain Operated Type, Add	3,178.40	
	For Work In Restricted Working Space, Add	284.63	

23 05 23 00-0303 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves

(23 05 23 00-0273)

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0304	EA 1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	584.91	19.97
	For 175 Lb. Rating, Add	242.57	
	For 250 Lb. Rating, Add	363.85	
	For Work In Restricted Working Space, Add	29.93	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0305	EA	2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	745.08	23.60
		For 175 Lb. Rating, Add	313.58	
		For 250 Lb. Rating, Add	470.36	
		For Work In Restricted Working Space, Add	35.38	
23 05 23 00-0306	EA	2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	866.44	31.89
		For 175 Lb. Rating, Add	353.60	
		For 250 Lb. Rating, Add	530.39	
		For Work In Restricted Working Space, Add	47.78	
23 05 23 00-0307	EA	3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	964.06	37.02
		For 175 Lb. Rating, Add	390.16	
		For 250 Lb. Rating, Add	585.23	
		For Work In Restricted Working Space, Add	55.13	
23 05 23 00-0308	EA	4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,286.52	41.80
		For 175 Lb. Rating, Add	538.75	
		For 250 Lb. Rating, Add	808.13	
		For Work In Restricted Working Space, Add	62.71	
23 05 23 00-0309 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves (23 05 23 00-0273)				
Note: 125 psi steam, basic rating, 200 psi cold working pressure for up to 12". 100 psi steam, basic rating, 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating, 150 psi cold working pressure for >24".				
23 05 23 00-0310	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,047.08	136.20
		For 150 Lb. Rating, Add	131.46	
		For 175 Lb. Rating, Add	271.68	
		For 250 Lb. Rating, Add	569.66	
		For Chain Operated Type, Add	438.20	
		For Work In Restricted Working Space, Add	51.20	
23 05 23 00-0311	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,118.64	172.92
		For 150 Lb. Rating, Add	135.37	
		For 175 Lb. Rating, Add	279.76	
		For 250 Lb. Rating, Add	586.59	
		For Chain Operated Type, Add	451.22	
		For Work In Restricted Working Space, Add	64.86	
23 05 23 00-0312	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,149.06	173.19
		For 150 Lb. Rating, Add	139.78	
		For 175 Lb. Rating, Add	288.89	
		For 250 Lb. Rating, Add	605.73	
		For Chain Operated Type, Add	465.95	
		For Work In Restricted Working Space, Add	65.15	
23 05 23 00-0313	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,279.46	203.05
		For 150 Lb. Rating, Add	153.80	
		For 175 Lb. Rating, Add	317.85	
		For 250 Lb. Rating, Add	666.46	
		For Chain Operated Type, Add	512.67	
		For Work In Restricted Working Space, Add	76.24	
23 05 23 00-0314	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,670.04	340.40
		For 150 Lb. Rating, Add	186.52	
		For 175 Lb. Rating, Add	385.47	
		For 250 Lb. Rating, Add	808.25	
		For Chain Operated Type, Add	621.73	
		For Work In Restricted Working Space, Add	127.97	
23 05 23 00-0315	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,187.07	362.29
		For 150 Lb. Rating, Add	260.24	
		For 175 Lb. Rating, Add	537.82	
		For 250 Lb. Rating, Add	1,127.69	
		For Chain Operated Type, Add	867.45	
		For Work In Restricted Working Space, Add	135.65	
23 05 23 00-0316	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,486.31	402.55
		For 150 Lb. Rating, Add	297.20	
		For 175 Lb. Rating, Add	614.21	
		For 250 Lb. Rating, Add	1,287.86	
		For Chain Operated Type, Add	990.66	
		For Work In Restricted Working Space, Add	151.50	
23 05 23 00-0317	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,989.91	514.37
		For 150 Lb. Rating, Add	502.64	
		For 175 Lb. Rating, Add	1,038.79	
		For 250 Lb. Rating, Add	2,178.12	
		For Chain Operated Type, Add	1,675.48	
		For Work In Restricted Working Space, Add	191.69	
23 05 23 00-0318	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,939.83	626.18
		For 150 Lb. Rating, Add	773.57	
		For 175 Lb. Rating, Add	1,598.70	
		For 250 Lb. Rating, Add	3,352.12	
		For Chain Operated Type, Add	2,578.56	
		For Work In Restricted Working Space, Add	234.82	
23 05 23 00-0319	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,484.96	760.36
		For 150 Lb. Rating, Add	980.43	
		For 175 Lb. Rating, Add	2,026.22	
		For 250 Lb. Rating, Add	4,248.53	
		For Chain Operated Type, Add	3,268.10	
		For Work In Restricted Working Space, Add	284.63	
23 05 23 00-0320	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	15,273.50	1,068.09
		For 150 Lb. Rating, Add	2,090.76	
		For 175 Lb. Rating, Add	4,320.90	
		For 250 Lb. Rating, Add	9,059.95	
		For Work In Restricted Working Space, Add	400.53	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0321	EA		16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	20,008.09	1,174.90
			For 150 Lb. Rating, Add	2,780.92	
			For 175 Lb. Rating, Add	5,747.24	
			For 250 Lb. Rating, Add	12,050.66	
			For Work In Restricted Working Space, Add	440.59	
23 05 23 00-0322	EA		18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	27,584.42	1,303.07
			For 150 Lb. Rating, Add	3,893.34	
			For 175 Lb. Rating, Add	8,046.23	
			For 250 Lb. Rating, Add	16,871.13	
			For Work In Restricted Working Space, Add	488.65	
23 05 23 00-0323	EA		20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	35,202.13	1,468.62
			For 150 Lb. Rating, Add	5,004.95	
			For 175 Lb. Rating, Add	10,343.57	
			For 250 Lb. Rating, Add	21,688.13	
			For Work In Restricted Working Space, Add	550.73	
23 05 23 00-0324	EA		24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	48,282.60	1,802.40
			For 150 Lb. Rating, Add	6,904.44	
			For 175 Lb. Rating, Add	14,269.18	
			For 250 Lb. Rating, Add	29,919.24	
			For Work In Restricted Working Space, Add	675.90	
23 05 23 00-0325	EA		30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	101,484.46	2,937.25
			For 150 Lb. Rating, Add	14,671.94	
			For 175 Lb. Rating, Add	30,322.00	
			For 250 Lb. Rating, Add	63,578.39	
			For Work In Restricted Working Space, Add	1,101.47	
23 05 23 00-0326	EA		36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	129,175.33	3,916.33
			For 150 Lb. Rating, Add	18,641.99	
			For 175 Lb. Rating, Add	38,526.78	
			For 250 Lb. Rating, Add	80,781.95	
			For Work In Restricted Working Space, Add	1,468.62	
23 05 23 00-0327 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves (23 05 23 00-0273)					
Note: 800 PSIG at 850 degrees F.					
23 05 23 00-0328	EA		1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	176.80	12.97
			For Work In Restricted Working Space, Add	11.33	
23 05 23 00-0329	EA		1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	180.88	12.97
			For Work In Restricted Working Space, Add	12.56	
23 05 23 00-0330	EA		3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	214.09	14.27
			For Work In Restricted Working Space, Add	16.92	
23 05 23 00-0331	EA		1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	259.88	16.22
			For Work In Restricted Working Space, Add	20.48	
23 05 23 00-0332	EA		1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	395.61	17.26
			For Work In Restricted Working Space, Add	25.94	
23 05 23 00-0333	EA		1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	467.71	19.97
			For Work In Restricted Working Space, Add	29.93	
23 05 23 00-0334	EA		2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	587.60	23.60
			For Work In Restricted Working Space, Add	35.38	
23 05 23 00-0335 Cast Steel Flanged Gate Valves (23 05 23 00-0273)					
23 05 23 00-0336 Class 150, Cast Steel, Flanged, Gate Valves (23 05 23 00-0335)					
23 05 23 00-0337	EA		2" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	2,303.18	172.92
			For Work In Restricted Working Space, Add	64.86	
23 05 23 00-0338	EA		2-1/2" Diameter, Class 150, Cast Steel, Flanged, Gate Valve.....	3,210.51	173.19
			For Work In Restricted Working Space, Add	65.15	
23 05 23 00-0339	EA		3" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	3,247.47	203.05
			For Work In Restricted Working Space, Add	76.24	
23 05 23 00-0340	EA		4" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	4,213.37	340.40
			For Work In Restricted Working Space, Add	127.97	
23 05 23 00-0341	EA		6" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	6,240.87	402.55
			For Work In Restricted Working Space, Add	151.50	
23 05 23 00-0342	EA		8" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	9,681.65	514.37
			For Work In Restricted Working Space, Add	191.69	
23 05 23 00-0343	EA		10" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	13,980.81	626.18
			For Work In Restricted Working Space, Add	234.82	
23 05 23 00-0344	EA		12" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	17,830.22	760.36
			For Work In Restricted Working Space, Add	284.63	
23 05 23 00-0345 Class 300, Cast Steel, Flanged, Gate Valves (23 05 23 00-0335)					
23 05 23 00-0346	EA		2" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	3,024.47	172.92
			For Work In Restricted Working Space, Add	64.86	
23 05 23 00-0347	EA		2-1/2" Diameter, Class 300, Cast Steel, Flanged, Gate Valve.....	3,932.36	173.19
			For Work In Restricted Working Space, Add	65.15	
23 05 23 00-0348	EA		3" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	3,969.32	203.05
			For Work In Restricted Working Space, Add	76.24	
23 05 23 00-0349	EA		4" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	5,671.87	340.40
			For Work In Restricted Working Space, Add	127.97	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0350	EA	6" Diameter, Class 300, Cast Steel, Flanged, Gate Valve <i>For Work In Restricted Working Space, Add</i>	9,192.34 151.50	402.55
23 05 23 00-0351	EA	8" Diameter, Class 300, Cast Steel, Flanged, Gate Valve <i>For Work In Restricted Working Space, Add</i>	13,786.67 191.69	514.37
23 05 23 00-0352	EA	10" Diameter, Class 300, Cast Steel, Flanged, Gate Valve <i>For Work In Restricted Working Space, Add</i>	17,757.00 234.82	626.18
23 05 23 00-0353	EA	12" Diameter, Class 300, Cast Steel, Flanged, Gate Valve <i>For Work In Restricted Working Space, Add</i>	30,142.56 284.63	760.36
23 05 23 00-0354 Class 600, Cast Steel, Flanged, Gate Valves (23 05 23 00-0355)				
23 05 23 00-0355	EA	2" Diameter, Class 600, Cast Steel, Flanged, Gate Valve <i>For Work In Restricted Working Space, Add</i>	4,453.80 64.86	172.92
23 05 23 00-0356	EA	2-1/2" Diameter, Class 600, Cast Steel, Flanged, Gate Valve <i>For Work In Restricted Working Space, Add</i>	5,658.70 65.15	173.19
23 05 23 00-0357	EA	3" Diameter, Class 600, Cast Steel, Flanged, Gate Valve <i>For Work In Restricted Working Space, Add</i>	5,695.66 76.24	203.05
23 05 23 00-0358	EA	4" Diameter, Class 600, Cast Steel, Flanged, Gate Valve <i>For Work In Restricted Working Space, Add</i>	8,565.00 127.97	340.40
23 05 23 00-0359	EA	6" Diameter, Class 600, Cast Steel, Flanged, Gate Valve <i>For Work In Restricted Working Space, Add</i>	16,691.68 151.50	402.55
23 05 23 00-0360	EA	8" Diameter, Class 600, Cast Steel, Flanged, Gate Valve <i>For Work In Restricted Working Space, Add</i>	35,587.25 191.69	514.37
23 05 23 00-0361	EA	10" Diameter, Class 600, Cast Steel, Flanged, Gate Valve <i>For Work In Restricted Working Space, Add</i>	53,007.59 234.82	626.18
23 05 23 00-0362	EA	12" Diameter, Class 600, Cast Steel, Flanged, Gate Valve <i>For Work In Restricted Working Space, Add</i>	70,726.00 284.63	760.36
23 05 23 00-0363 Ball Valves (23 05 23)				
See CSI section 23 23 13 00-0000 for refrigeration valves.				
23 05 23 00-0364 Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0363)				
Note: 125 Lb. WSP.				
23 05 23 00-0365	EA	1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.88 2.63 6.76 12.56	12.97
23 05 23 00-0366	EA	3/4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.51 2.63 10.40 16.92	14.27
23 05 23 00-0367	EA	1" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.47 2.63 14.04 20.48	16.22
23 05 23 00-0368	EA	1-1/4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.86 2.63 23.57 25.94	17.26
23 05 23 00-0369	EA	1-1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.68 2.63 30.11 29.93	19.97
23 05 23 00-0370	EA	2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.73 2.63 37.71 35.38	23.60
23 05 23 00-0371	EA	2-1/2" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	554.72 2.63 177.96 47.78	31.89
23 05 23 00-0372	EA	3" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	640.04 2.63 205.33 55.13	37.02
23 05 23 00-0373	EA	4" Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	831.11 2.63 279.94 62.71	41.80
23 05 23 00-0374 Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves (23 05 23 00-0363)				
23 05 23 00-0375	EA	1/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	66.53 11.33	12.97
23 05 23 00-0376	EA	1/2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	73.07 12.56	12.97
23 05 23 00-0377	EA	3/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	101.55 16.92	14.27
23 05 23 00-0378	EA	1" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	128.99 20.48	16.22
23 05 23 00-0379	EA	1-1/4" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	190.24 25.94	17.26
23 05 23 00-0380	EA	1-1/2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	231.23 29.93	19.97
23 05 23 00-0381	EA	2" Screwed, 150 Lb., Full Port, Carbon Steel Ball Valve <i>For Work In Restricted Working Space, Add</i>	298.93 35.38	23.60

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0382 Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves (23 05 23 00-0363)			
23 05 23 00-0383	EA 1-1/2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	627.14	136.20
	For 150 Lb. Rating, Add	132.37	
	For 250 Lb. Rating, Add	228.23	
	For 300 Lb. Rating, ASTM A182, Add	541.80	
	For Chain Operated Type, Add	228.23	
	For Work In Restricted Working Space, Add	51.20	
	For Work In Restricted Working Space, Add	51.20	
23 05 23 00-0384	EA 2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	782.48	172.92
	For 150 Lb. Rating, Add	164.22	
	For 250 Lb. Rating, Add	283.14	
	For 300 Lb. Rating, ASTM A182, Add	674.38	
	For Chain Operated Type, Add	283.14	
	For Work In Restricted Working Space, Add	64.86	
	For Work In Restricted Working Space, Add	64.86	
23 05 23 00-0385	EA 2-1/2" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,251.62	173.19
	For 150 Lb. Rating, Add	299.99	
	For 250 Lb. Rating, Add	517.23	
	For 300 Lb. Rating, ASTM A182, Add	1,143.04	
	For Chain Operated Type, Add	517.23	
	For Work In Restricted Working Space, Add	65.15	
	For Work In Restricted Working Space, Add	65.15	
23 05 23 00-0386	EA 3" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,372.58	203.05
	For 150 Lb. Rating, Add	324.35	
	For 250 Lb. Rating, Add	559.23	
	For 300 Lb. Rating, ASTM A182, Add	1,245.52	
	For Chain Operated Type, Add	559.23	
	For Work In Restricted Working Space, Add	76.24	
	For Work In Restricted Working Space, Add	76.24	
23 05 23 00-0387	EA 4" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,997.55	340.40
	For Work In Restricted Working Space, Add	127.97	
23 05 23 00-0388	EA 6" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	4,764.43	402.55
	For Work In Restricted Working Space, Add	151.50	
23 05 23 00-0389	EA 8" Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	8,196.44	514.37
	For Work In Restricted Working Space, Add	191.69	
23 05 23 00-0390 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0363)			
23 05 23 00-0391	EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	48.14	12.97
	For True Union Socket Or Thread Type, Add	4.71	
	For Work In Restricted Working Space, Add	12.56	
23 05 23 00-0392	EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	63.64	14.27
	For True Union Socket Or Thread Type, Add	5.86	
	For Work In Restricted Working Space, Add	16.92	
23 05 23 00-0393	EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	78.37	16.22
	For True Union Socket Or Thread Type, Add	7.62	
	For Work In Restricted Working Space, Add	20.48	
23 05 23 00-0394	EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	99.73	17.26
	For True Union Socket Or Thread Type, Add	9.84	
	For Work In Restricted Working Space, Add	25.94	
23 05 23 00-0395	EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	122.84	19.97
	For True Union Socket Or Thread Type, Add	14.46	
	For Work In Restricted Working Space, Add	29.93	
23 05 23 00-0396	EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	147.31	23.60
	For True Union Socket Or Thread Type, Add	17.94	
	For Work In Restricted Working Space, Add	35.38	
23 05 23 00-0397	EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	222.47	31.89
	For True Union Socket Or Thread Type, Add	33.65	
	For Work In Restricted Working Space, Add	47.78	
23 05 23 00-0398	EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	291.25	37.02
	For True Union Socket Or Thread Type, Add	52.65	
	For Work In Restricted Working Space, Add	55.13	
23 05 23 00-0399	EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	414.56	41.80
	For True Union Socket Or Thread Type, Add	93.19	
	For Work In Restricted Working Space, Add	62.71	
23 05 23 00-0400 Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0363)			
23 05 23 00-0401	EA 1/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	101.86	19.46
	For Full Port, Add	20.34	
	For Work In Restricted Working Space, Add	17.00	
23 05 23 00-0402	EA 3/8" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	104.83	19.46
	For Full Port, Add	20.34	
	For Work In Restricted Working Space, Add	17.89	
23 05 23 00-0403	EA 1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	107.95	19.46
	For Full Port, Add	20.34	
	For Work In Restricted Working Space, Add	18.83	
23 05 23 00-0404	EA 3/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	132.52	21.40
	For Full Port, Add	21.56	
	For Work In Restricted Working Space, Add	25.38	
23 05 23 00-0405	EA 1" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	173.40	24.32
	For Full Port, Add	31.94	
	For Work In Restricted Working Space, Add	30.73	
23 05 23 00-0406	EA 1-1/4" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	226.87	25.88
	For Full Port, Add	43.72	
	For Work In Restricted Working Space, Add	38.92	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0407	EA	1-1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.85 58.13 44.90	29.96
23 05 23 00-0408	EA	2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	387.11 94.60 53.06	35.42
23 05 23 00-0409	EA	2-1/2" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	749.05 229.58 71.66	47.83
23 05 23 00-0410	EA	3" Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,085.76 364.55 82.69	55.54
23 05 23 00-0411 Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valves (23 05 23 00-0363)				
23 05 23 00-0412	EA	1/2" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve <i>For Work In Restricted Working Space, Add</i>	112.77 12.56	12.97
23 05 23 00-0413	EA	3/4" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve <i>For Work In Restricted Working Space, Add</i>	157.95 16.92	14.27
23 05 23 00-0414	EA	1" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve <i>For Work In Restricted Working Space, Add</i>	203.68 20.48	16.22
23 05 23 00-0415	EA	1-1/4" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve <i>For Work In Restricted Working Space, Add</i>	281.52 25.94	17.26
23 05 23 00-0416	EA	1-1/2" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve <i>For Work In Restricted Working Space, Add</i>	360.90 29.93	19.97
23 05 23 00-0417	EA	2" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve <i>For Work In Restricted Working Space, Add</i>	485.44 35.38	23.60
23 05 23 00-0418	EA	2-1/2" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve <i>For Work In Restricted Working Space, Add</i>	957.13 47.78	31.89
23 05 23 00-0419	EA	3" Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,295.94 55.13	37.02
23 05 23 00-0420 Wye Strainer, Union With Two Pressure Ports, Ball Valves (23 05 23 00-0363)				
23 05 23 00-0421	EA	1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	184.04	12.97
23 05 23 00-0422	EA	3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	236.21	16.86
23 05 23 00-0423	EA	1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	304.22	20.76
23 05 23 00-0424	EA	1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	414.84	28.53
23 05 23 00-0425	EA	1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	518.44	33.21
23 05 23 00-0426	EA	2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....	683.55	38.92
23 05 23 00-0427 Plastic Ball Valves (23 05 23 00-0363)				
Note: Threaded or socket.				
23 05 23 00-0428 Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves (23 05 23 00-0427)				
23 05 23 00-0429	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	77.08	12.97
23 05 23 00-0430	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	80.49	12.97
23 05 23 00-0431	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	102.23	14.27
23 05 23 00-0432	EA	1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	132.60	16.22
23 05 23 00-0433	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	158.23	17.26
23 05 23 00-0434	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	191.14	19.97
23 05 23 00-0435	EA	2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346).....	232.47	23.60
23 05 23 00-0436 Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves (23 05 23 00-0427)				
23 05 23 00-0437	EA	3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	113.58	12.97
23 05 23 00-0438	EA	1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	115.33	12.97
23 05 23 00-0439	EA	3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	145.36	14.27
23 05 23 00-0440	EA	1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	179.42	16.22
23 05 23 00-0441	EA	1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	268.95	17.26
23 05 23 00-0442	EA	1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	298.84	19.97
23 05 23 00-0443	EA	2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346).....	358.46	23.60
23 05 23 00-0444 Viton Liner And Seals, Polypropylene (PP) Ball Valves (23 05 23 00-0427)				
23 05 23 00-0445	EA	3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	126.02	12.97
23 05 23 00-0446	EA	1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	136.06	12.97
23 05 23 00-0447	EA	3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	156.97	14.27
23 05 23 00-0448	EA	1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	192.69	16.22
23 05 23 00-0449	EA	1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	242.41	17.26
23 05 23 00-0450	EA	1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	290.54	19.97
23 05 23 00-0451	EA	2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346).....	375.04	23.60
23 05 23 00-0452 Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves (23 05 23 00-0427)				
23 05 23 00-0453	EA	3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	248.77	12.97
23 05 23 00-0454	EA	1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	265.45	12.97

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0455	EA	3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	316.21	14.27
23 05 23 00-0456	EA	1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	370.18	16.22
23 05 23 00-0457	EA	1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	451.42	17.26
23 05 23 00-0458	EA	1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	497.89	19.97
23 05 23 00-0459	EA	2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	574.10	23.60

23 05 23 00-0460 Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves
(23 05 23 00-0427)

23 05 23 00-0461	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	54.20	12.97
23 05 23 00-0462	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	72.62	14.27
23 05 23 00-0463	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	88.19	16.22
23 05 23 00-0464	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	121.65	17.26
23 05 23 00-0465	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	134.95	19.97
23 05 23 00-0466	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	164.29	23.60

23 05 23 00-0467 Plastic, True Union, Ball Valves
(23 05 23 00-0363)
23 05 23 00-0468 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves
(23 05 23 00-0467)

Note: Socket or NPT connectors.

23 05 23 00-0469	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	122.70	12.97
23 05 23 00-0470	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	127.77	12.97
23 05 23 00-0471	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	155.31	14.27
23 05 23 00-0472	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	191.03	16.22
23 05 23 00-0473	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	230.80	17.26
23 05 23 00-0474	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	265.66	19.97
23 05 23 00-0475	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	325.28	23.60

23 05 23 00-0476 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves
(23 05 23 00-0467)

Note: Socket or NPT connectors.

23 05 23 00-0477	EA	3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	124.36	12.97
23 05 23 00-0478	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	144.36	12.97
23 05 23 00-0479	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	156.97	14.27
23 05 23 00-0480	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	191.03	16.22
23 05 23 00-0481	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	227.48	17.26
23 05 23 00-0482	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	264.00	19.97
23 05 23 00-0483	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	325.28	23.60

23 05 23 00-0484 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves
(23 05 23 00-0467)

Note: Socket or NPT connectors.

23 05 23 00-0485	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	69.71	12.97
23 05 23 00-0486	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	89.79	14.27
23 05 23 00-0487	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	108.09	16.22
23 05 23 00-0488	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	142.05	17.26
23 05 23 00-0489	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	166.13	19.97
23 05 23 00-0490	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	225.75	23.60
23 05 23 00-0491	EA	2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	315.18	31.89
23 05 23 00-0492	EA	3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	396.08	37.02
23 05 23 00-0493	EA	4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	557.37	41.80

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0494		Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves (23 05 23 00-0467)		
		Note: Socket or NPT connectors.		
23 05 23 00-0495	EA	1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	81.32	12.97
23 05 23 00-0496	EA	3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	106.37	14.27
23 05 23 00-0497	EA	1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	131.31	16.22
23 05 23 00-0498	EA	1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	182.69	17.26
23 05 23 00-0499	EA	1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	200.97	19.97
23 05 23 00-0500	EA	2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	257.27	23.60
23 05 23 00-0501	EA	2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	441.25	31.89
23 05 23 00-0502	EA	3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	515.51	37.02
23 05 23 00-0503	EA	4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	789.60	41.80
23 05 23 00-0504		Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0467)		
23 05 23 00-0505		Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0504)		
23 05 23 00-0506	EA	1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	67.21	12.97
23 05 23 00-0507	EA	3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	69.20	12.97
23 05 23 00-0508	EA	1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	70.95	12.97
23 05 23 00-0509	EA	3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	90.78	14.27
23 05 23 00-0510	EA	1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	111.22	16.22
23 05 23 00-0511	EA	1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	135.10	17.26
23 05 23 00-0512	EA	1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	162.41	19.97
23 05 23 00-0513	EA	2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	207.51	23.60
23 05 23 00-0514	EA	2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	380.70	31.89
23 05 23 00-0515	EA	3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	424.28	37.02
23 05 23 00-0516	EA	4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	583.08	41.80
23 05 23 00-0517		Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0504)		
23 05 23 00-0518	EA	1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	67.21	12.97
23 05 23 00-0519	EA	3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	69.20	12.97
23 05 23 00-0520	EA	1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	70.95	12.97
23 05 23 00-0521	EA	3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	90.78	14.27
23 05 23 00-0522	EA	1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	111.22	16.22
23 05 23 00-0523	EA	1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	135.10	17.26
23 05 23 00-0524	EA	1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	162.41	19.97
23 05 23 00-0525	EA	2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	207.51	23.60
23 05 23 00-0526	EA	2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	380.70	31.89
23 05 23 00-0527	EA	3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	424.28	37.02
23 05 23 00-0528	EA	4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	583.08	41.80
23 05 23 00-0529		Three Piece Ball Valves (23 05 23 00-0363)		
23 05 23 00-0530		Threaded Or Sweated, Bronze Body, Three Piece Ball Valves (23 05 23 00-0529)		
23 05 23 00-0531	EA	1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	105.84	12.97
		For Work In Restricted Working Space, Add	11.33	
23 05 23 00-0532	EA	3/8" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	107.83	12.97
		For Work In Restricted Working Space, Add	11.93	
23 05 23 00-0533	EA	1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	120.75	12.97
		For Work In Restricted Working Space, Add	12.56	
23 05 23 00-0534	EA	3/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	153.23	14.27
		For Work In Restricted Working Space, Add	16.92	
23 05 23 00-0535	EA	1" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	195.44	16.22
		For Work In Restricted Working Space, Add	20.48	
23 05 23 00-0536	EA	1-1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	269.29	17.26
		For Work In Restricted Working Space, Add	25.95	
23 05 23 00-0537	EA	1-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	336.44	19.97
		For Work In Restricted Working Space, Add	29.93	
23 05 23 00-0538	EA	2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	546.72	23.60
		For Work In Restricted Working Space, Add	35.38	
23 05 23 00-0539	EA	2-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	1,169.90	33.86
		For Work In Restricted Working Space, Add	51.88	
23 05 23 00-0540		Threaded, Carbon Steel Body, Three Piece Ball Valves (23 05 23 00-0529)		
23 05 23 00-0541	EA	1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve	122.27	12.97
		For Work In Restricted Working Space, Add	11.33	
23 05 23 00-0542	EA	3/8" Threaded, Carbon Steel Body, Three Piece Ball Valve	133.78	12.97
		For Work In Restricted Working Space, Add	11.93	
23 05 23 00-0543	EA	1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve	141.94	12.97
		For Work In Restricted Working Space, Add	12.56	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 23 00-0544	EA 3/4" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	225.63 16.92		14.27	
23 05 23 00-0545	EA 1" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	287.96 20.48		16.22	
23 05 23 00-0546	EA 1-1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	434.67 25.95		17.26	
23 05 23 00-0547	EA 1-1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	552.23 29.93		19.97	
23 05 23 00-0548	EA 2" Threaded, Carbon Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	717.19 35.38		23.60	
23 05 23 00-0549 Threaded, Stainless Steel Body, Three Piece Ball Valves (23 05 23 00-0529)					
23 05 23 00-0550	EA 1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	310.99 11.33		12.97	
23 05 23 00-0551	EA 3/8" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	333.33 11.93		12.97	
23 05 23 00-0552	EA 1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	351.35 12.56		12.97	
23 05 23 00-0553	EA 3/4" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	509.42 16.92		14.27	
23 05 23 00-0554	EA 1" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	621.02 20.48		16.22	
23 05 23 00-0555	EA 1-1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	725.76 25.95		17.26	
23 05 23 00-0556	EA 1-1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	970.77 29.93		19.97	
23 05 23 00-0557	EA 2" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	1,262.62 35.38		23.60	
23 05 23 00-0558	EA 3" Threaded, Stainless Steel Body, Three Piece Ball Valve <i>For Work In Restricted Working Space, Add</i>	3,312.25 59.87		40.22	
23 05 23 00-0559 Globe Valves (23 05 23)					
23 05 23 00-0560 Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves (23 05 23 00-0559)					
23 05 23 00-0561	EA 1/8" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.99 11.82 14.49 17.16 20.98 12.56		12.97	
23 05 23 00-0562	EA 1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.91 11.82 14.49 17.16 20.98 11.33		12.97	
23 05 23 00-0563	EA 3/8" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.69 17.65 21.63 25.62 31.31 11.93		12.97	
23 05 23 00-0564	EA 1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.78 17.65 21.63 25.62 31.31 79.36 12.56		12.97	
23 05 23 00-0565	EA 3/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.12 19.13 23.45 27.77 33.95 90.45 16.92		13.62	
23 05 23 00-0566	EA 1" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.69 25.86 31.70 37.53 45.88 119.06 20.48		13.62	
23 05 23 00-0567	EA 1-1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.54 44.66 54.74 64.83 79.23 193.06 25.94		17.26	
23 05 23 00-0568	EA 1-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 250 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	305.67 63.83 78.24 92.65 113.24 266.39 29.93		19.97	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0569	EA	2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	359.97	23.60
		For 150 Lb. Rating, Add	75.03	
		For 200 Lb. Rating, Add	91.98	
		For 250 Lb. Rating, Add	108.92	
		For 300 Lb. Rating, Add	133.12	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	313.42	
		For Work In Restricted Working Space, Add	35.38	
23 05 23 00-0570	EA	2-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	403.28	31.89
		For 150 Lb. Rating, Add	75.65	
		For 200 Lb. Rating, Add	92.73	
		For 250 Lb. Rating, Add	109.61	
		For 300 Lb. Rating, Add	134.22	
		For Work In Restricted Working Space, Add	47.78	
23 05 23 00-0571	EA	3" Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	730.47	37.02
		For 150 Lb. Rating, Add	169.48	
		For 200 Lb. Rating, Add	207.75	
		For 250 Lb. Rating, Add	246.02	
		For 300 Lb. Rating, Add	300.70	
		For Work In Restricted Working Space, Add	55.13	
23 05 23 00-0572 Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0559)				
23 05 23 00-0573	EA	2" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	543.18	23.60
		For 150 Lb. Rating, Add	131.83	
		For 200 Lb. Rating, Add	161.60	
		For 250 Lb. Rating, Add	191.36	
		For 300 Lb. Rating, Add	233.89	
		For Chain Operated Type, Add	355.08	
		For Work In Restricted Working Space, Add	35.38	
23 05 23 00-0574	EA	2-1/2" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	674.70	31.89
		For 150 Lb. Rating, Add	159.79	
		For 200 Lb. Rating, Add	195.87	
		For 250 Lb. Rating, Add	231.95	
		For 300 Lb. Rating, Add	283.50	
		For Chain Operated Type, Add	430.40	
		For Work In Restricted Working Space, Add	47.78	
23 05 23 00-0575	EA	3" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	802.29	37.02
		For 150 Lb. Rating, Add	191.75	
		For 200 Lb. Rating, Add	235.05	
		For 250 Lb. Rating, Add	278.34	
		For 300 Lb. Rating, Add	340.20	
		For Chain Operated Type, Add	516.48	
		For Work In Restricted Working Space, Add	55.13	
23 05 23 00-0576	EA	4" Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,033.68	41.80
		For 150 Lb. Rating, Add	255.66	
		For 200 Lb. Rating, Add	313.39	
		For 250 Lb. Rating, Add	371.12	
		For 300 Lb. Rating, Add	453.60	
		For Chain Operated Type, Add	688.64	
		For Work In Restricted Working Space, Add	62.69	
23 05 23 00-0577 Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0559)				
23 05 23 00-0578	EA	2" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve.....	737.04	172.92
		For 150 Lb. Rating, Add	161.46	
		For 250 Lb. Rating, Add	234.38	
		For Chain Operated Type, Add	260.42	
		For Work In Restricted Working Space, Add	64.86	
23 05 23 00-0579	EA	2-1/2" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve.....	852.10	173.19
		For 150 Lb. Rating, Add	196.83	
		For 250 Lb. Rating, Add	285.72	
		For Chain Operated Type, Add	317.47	
		For Work In Restricted Working Space, Add	65.15	
23 05 23 00-0580	EA	3" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve.....	1,016.05	203.05
		For 150 Lb. Rating, Add	236.20	
		For 250 Lb. Rating, Add	342.86	
		For Chain Operated Type, Add	380.96	
		For Work In Restricted Working Space, Add	76.24	
23 05 23 00-0581	EA	4" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve.....	1,442.47	340.40
		For 150 Lb. Rating, Add	314.93	
		For 250 Lb. Rating, Add	457.15	
		For Chain Operated Type, Add	507.95	
		For Work In Restricted Working Space, Add	127.97	
23 05 23 00-0582	EA	5" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve.....	1,864.89	362.29
		For 150 Lb. Rating, Add	437.94	
		For 250 Lb. Rating, Add	635.72	
		For Chain Operated Type, Add	706.36	
		For Work In Restricted Working Space, Add	135.65	
23 05 23 00-0583	EA	6" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve.....	2,290.73	402.55
		For 150 Lb. Rating, Add	553.58	
		For 250 Lb. Rating, Add	803.58	
		For Chain Operated Type, Add	892.87	
		For Work In Restricted Working Space, Add	151.50	
23 05 23 00-0584	EA	8" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve.....	3,385.03	514.37
		For 150 Lb. Rating, Add	851.28	
		For 250 Lb. Rating, Add	1,235.73	
		For Chain Operated Type, Add	1,373.04	
		For Work In Restricted Working Space, Add	191.69	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 05 23 00-0585	EA 10" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	4,965.32		626.18
	For 150 Lb. Rating, Add	1,296.61		
	For 250 Lb. Rating, Add	1,882.17		
	For Chain Operated Type, Add	2,091.30		
	For Work In Restricted Working Space, Add	234.82		
23 05 23 00-0586	EA 12" Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	8,863.38		760.36
	For 150 Lb. Rating, Add	2,453.53		
	For 250 Lb. Rating, Add	3,561.58		
	For Chain Operated Type, Add	3,957.31		
	For Work In Restricted Working Space, Add	284.63		
23 05 23 00-0587 Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves (23 05 23 00-0559)				
23 05 23 00-0588	EA 1/8" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	70.74		12.97
	For 150 Lb. Rating, Add	8.96		
	For 200 Lb. Rating, Add	10.98		
	For 300 Lb. Rating, Add	15.89		
	For Work In Restricted Working Space, Add	12.56		
23 05 23 00-0589	EA 1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	66.66		12.97
	For 150 Lb. Rating, Add	8.96		
	For 200 Lb. Rating, Add	10.98		
	For 300 Lb. Rating, Add	15.89		
	For Work In Restricted Working Space, Add	11.33		
23 05 23 00-0590	EA 3/8" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	68.65		12.97
	For 150 Lb. Rating, Add	8.96		
	For 200 Lb. Rating, Add	10.98		
	For 300 Lb. Rating, Add	15.89		
	For Work In Restricted Working Space, Add	11.93		
23 05 23 00-0591	EA 1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	72.67		12.97
	For 150 Lb. Rating, Add	9.55		
	For 200 Lb. Rating, Add	11.71		
	For 300 Lb. Rating, Add	16.95		
	For Work In Restricted Working Space, Add	12.56		
23 05 23 00-0592	EA 3/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	99.14		13.62
	For 150 Lb. Rating, Add	13.25		
	For 200 Lb. Rating, Add	16.24		
	For 300 Lb. Rating, Add	23.51		
	For Work In Restricted Working Space, Add	16.92		
23 05 23 00-0593	EA 1" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	124.36		13.62
	For 150 Lb. Rating, Add	17.38		
	For 200 Lb. Rating, Add	21.31		
	For 300 Lb. Rating, Add	30.84		
	For Work In Restricted Working Space, Add	20.48		
23 05 23 00-0594	EA 1-1/4" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	169.79		17.26
	For 150 Lb. Rating, Add	25.83		
	For 200 Lb. Rating, Add	31.66		
	For 300 Lb. Rating, Add	45.82		
	For Work In Restricted Working Space, Add	25.94		
23 05 23 00-0595	EA 1-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	196.91		19.97
	For 150 Lb. Rating, Add	30.11		
	For 200 Lb. Rating, Add	36.91		
	For 300 Lb. Rating, Add	53.42		
	For Work In Restricted Working Space, Add	29.93		
23 05 23 00-0596	EA 2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	264.22		23.60
	For 150 Lb. Rating, Add	45.35		
	For 200 Lb. Rating, Add	55.59		
	For 300 Lb. Rating, Add	80.46		
	For Work In Restricted Working Space, Add	35.38		
23 05 23 00-0597	EA 2-1/2" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	436.85		34.63
	For 150 Lb. Rating, Add	81.81		
	For 200 Lb. Rating, Add	100.28		
	For 300 Lb. Rating, Add	145.14		
	For Work In Restricted Working Space, Add	51.89		
23 05 23 00-0598	EA 3" Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	646.47		40.22
	For 150 Lb. Rating, Add	138.54		
	For 200 Lb. Rating, Add	169.82		
	For 300 Lb. Rating, Add	245.80		
	For Work In Restricted Working Space, Add	59.87		
23 05 23 00-0599 Flanged, 125 Lb., Iron Body, Angle Globe Valves (23 05 23 00-0559)				
23 05 23 00-0600	EA 2" Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,556.23		172.92
	For 250 Lb. Rating, Add	804.02		
	For Chain Operated Type, Add	522.61		
	For Work In Restricted Working Space, Add	64.86		
23 05 23 00-0601	EA 2-1/2" Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,801.99		173.19
	For 250 Lb. Rating, Add	950.89		
	For Chain Operated Type, Add	618.08		
	For Work In Restricted Working Space, Add	65.15		
23 05 23 00-0602	EA 3" Flanged, 125 Lb., Iron Body, Angle Globe Valve	2,121.72		203.05
	For 250 Lb. Rating, Add	1,120.55		
	For Chain Operated Type, Add	728.36		
	For Work In Restricted Working Space, Add	76.24		
23 05 23 00-0603	EA 4" Flanged, 125 Lb., Iron Body, Angle Globe Valve	3,094.03		340.40
	For 250 Lb. Rating, Add	1,600.47		
	For Chain Operated Type, Add	1,040.31		
	For Work In Restricted Working Space, Add	127.97		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0604	EA	5" Flanged, 125 Lb., Iron Body, Angle Globe Valve..... <i>For 250 Lb. Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,232.75 2,868.35 1,864.43 135.65	362.29
23 05 23 00-0605	EA	6" Flanged, 125 Lb., Iron Body, Angle Globe Valve..... <i>For 250 Lb. Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,285.57 2,868.35 1,864.43 151.50	402.55
23 05 23 00-0606	EA	8" Flanged, 125 Lb., Iron Body, Angle Globe Valve..... <i>For 250 Lb. Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,995.50 5,613.92 3,649.05 191.69	514.37
23 05 23 00-0607		Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0559) Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0608	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	222.58 11.33	21.02
23 05 23 00-0609	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	226.66 12.56	21.02
23 05 23 00-0610	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	266.65 16.92	28.28
23 05 23 00-0611	EA	1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	329.39 20.48	34.12
23 05 23 00-0612	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	534.10 25.94	43.19
23 05 23 00-0613	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	640.66 29.93	49.94
23 05 23 00-0614	EA	2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	814.80 35.38	59.02
23 05 23 00-0615		Polyvinyl Chloride (PVC), Angle Globe Valves (23 05 23 00-0559)		
23 05 23 00-0616	EA	1/4" Polyvinyl Chloride (PVC), Angle Globe Valve.....	66.72	20.76
23 05 23 00-0617	EA	1/2" Polyvinyl Chloride (PVC), Angle Globe Valve.....	85.22	20.76
23 05 23 00-0618	EA	3/4" Polyvinyl Chloride (PVC), Angle Globe Valve.....	108.17	28.53
23 05 23 00-0619	EA	1" Polyvinyl Chloride (PVC), Angle Globe Valve.....	130.04	34.38
23 05 23 00-0620	EA	1-1/2" Polyvinyl Chloride (PVC), Angle Globe Valve.....	186.44	43.46
23 05 23 00-0621	EA	2" Polyvinyl Chloride (PVC), Angle Globe Valve.....	229.27	49.94
23 05 23 00-0622		Flanged, Cast Steel, Globe Valves (23 05 23 00-0559)		
23 05 23 00-0623		Class 150, Flanged, Cast Steel, Globe Valves (23 05 23 00-0622)		
23 05 23 00-0624	EA	2" Class 150, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	2,488.42 64.86	172.92
23 05 23 00-0625	EA	2-1/2" Class 150, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	3,526.72 65.15	173.19
23 05 23 00-0626	EA	3" Class 150, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	3,563.68 76.24	203.05
23 05 23 00-0627	EA	4" Class 150, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	5,034.65 127.97	340.40
23 05 23 00-0628	EA	6" Class 150, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	7,797.40 151.50	402.55
23 05 23 00-0629	EA	8" Class 150, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	12,753.02 191.69	514.37
23 05 23 00-0630	EA	10" Class 150, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	28,857.28 234.82	626.18
23 05 23 00-0631	EA	12" Class 150, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	26,438.89 284.63	760.36
23 05 23 00-0632		Class 300, Flanged, Cast Steel, Globe Valves (23 05 23 00-0622)		
23 05 23 00-0633	EA	2" Class 300, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	3,273.74 64.86	172.92
23 05 23 00-0634	EA	2-1/2" Class 300, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	4,324.83 65.15	173.19
23 05 23 00-0635	EA	3" Class 300, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	4,361.79 76.24	203.05
23 05 23 00-0636	EA	4" Class 300, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	6,809.50 127.97	340.40
23 05 23 00-0637	EA	6" Class 300, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	11,549.81 151.50	402.55
23 05 23 00-0638	EA	8" Class 300, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	18,252.32 191.69	514.37
23 05 23 00-0639	EA	10" Class 300, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	36,889.85 234.82	626.18
23 05 23 00-0640	EA	12" Class 300, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	45,029.90 284.63	760.36
23 05 23 00-0641		Class 600, Flanged, Cast Steel, Globe Valves (23 05 23 00-0622)		
23 05 23 00-0642	EA	2" Class 600, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	4,594.35 64.86	172.92
23 05 23 00-0643	EA	2-1/2" Class 600, Flanged, Cast Steel, Globe Valve..... <i>For Work In Restricted Working Space, Add</i>	6,844.06 65.15	173.19

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 05 23 00-0644	EA 3" Class 600, Flanged, Cast Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	6,881.02 76.24		203.05
23 05 23 00-0645	EA 4" Class 600, Flanged, Cast Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	10,598.95 127.97		340.40
23 05 23 00-0646	EA 6" Class 600, Flanged, Cast Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	21,504.72 151.50		402.55
23 05 23 00-0647	EA 8" Class 600, Flanged, Cast Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	38,247.02 191.69		514.37
23 05 23 00-0648	EA 10" Class 600, Flanged, Cast Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	56,982.23 234.82		626.18
23 05 23 00-0649	EA 12" Class 600, Flanged, Cast Steel, Globe Valve <i>For Work In Restricted Working Space, Add</i>	76,036.46 284.63		760.36
23 05 23 00-0650	Check Valves (23 05 23)			
23 05 23 00-0651	Iron Body Wafer Type Check Valve (23 05 23 00-0650)			
23 05 23 00-0652	Single Disk Type (23 05 23 00-0651)			
23 05 23 00-0653	EA 2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	499.78 59.54 70.88 85.05 170.83		172.98
23 05 23 00-0654	EA 2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	588.71 78.00 92.86 111.43 210.60		173.28
23 05 23 00-0655	EA 3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	723.75 98.60 117.38 140.85 262.13		203.15
23 05 23 00-0656	EA 4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	1,062.69 133.54 158.98 190.77 371.51		340.57
23 05 23 00-0657	EA 6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	1,593.53 209.17 249.01 298.81 567.72		478.00
23 05 23 00-0658	EA 8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	2,213.18 320.99 382.14 458.56 824.77		549.70
23 05 23 00-0659	EA 10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	3,284.00 512.69 610.35 732.41 1,267.15		669.20
23 05 23 00-0660	Twin Disc Type (23 05 23 00-0651)			
23 05 23 00-0661	EA 2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	694.92 100.51 119.66 143.59 258.64		172.98
23 05 23 00-0662	EA 2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	791.70 120.63 143.61 172.33 301.95		173.28
23 05 23 00-0663	EA 3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	924.47 140.75 167.56 201.07 352.45		203.15
23 05 23 00-0664	EA 4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	1,277.92 178.74 212.78 255.34 468.37		340.57
23 05 23 00-0665	EA 6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	1,969.97 288.22 343.12 411.74 737.11		478.00
23 05 23 00-0666	EA 8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb. <i>For 150 Lb. Rating, Add</i> <i>For 200 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Add</i> <i>For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add</i>	2,778.86 440.16 524.00 628.80 1,079.77		549.70

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0667	EA	10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	4,156.27	657.24
		For 150 Lb. Rating, Add	697.08	
		For 200 Lb. Rating, Add	829.86	
		For 300 Lb. Rating, Add	995.83	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	1,661.11	
23 05 23 00-0668	EA	12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	5,460.03	812.59
		For 150 Lb. Rating, Add	933.94	
		For 200 Lb. Rating, Add	1,111.83	
		For 300 Lb. Rating, Add	1,334.20	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	2,203.84	
23 05 23 00-0669	EA	14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	10,309.14	949.27
		For 150 Lb. Rating, Add	1,899.12	
		For 200 Lb. Rating, Add	2,260.86	
		For 300 Lb. Rating, Add	2,713.04	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	4,322.69	
23 05 23 00-0670	EA	16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	14,159.50	1,113.80
		For 150 Lb. Rating, Add	2,681.12	
		For 200 Lb. Rating, Add	3,191.81	
		For 300 Lb. Rating, Add	3,830.18	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	6,023.71	
23 05 23 00-0671	EA	18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	18,881.60	1,240.37
		For 150 Lb. Rating, Add	3,640.28	
		For 200 Lb. Rating, Add	4,333.67	
		For 300 Lb. Rating, Add	5,200.40	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	8,109.99	
23 05 23 00-0672	EA	20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	22,470.43	1,392.25
		For 150 Lb. Rating, Add	4,353.32	
		For 200 Lb. Rating, Add	5,182.53	
		For 300 Lb. Rating, Add	6,219.03	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	9,676.61	
23 05 23 00-0673	EA	24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 Lb.	29,380.57	1,708.67
		For 150 Lb. Rating, Add	5,720.12	
		For 200 Lb. Rating, Add	6,809.66	
		For 300 Lb. Rating, Add	8,171.60	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	12,685.78	
23 05 23 00-0674		Lift Check Valves (23 05 23 00-0650)		
23 05 23 00-0675		Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0674)		
		Note: Watts #600 series.		
23 05 23 00-0676	EA	3/8" Lift Check Valve, Bronze, Threaded	129.29	12.97
23 05 23 00-0677	EA	1/2" Lift Check Valve, Bronze, Threaded	136.80	12.97
23 05 23 00-0678	EA	3/4" Lift Check Valve, Bronze, Threaded	174.65	13.62
23 05 23 00-0679	EA	1" Lift Check Valve, Bronze, Threaded	229.67	13.62
23 05 23 00-0680	EA	1-1/4" Lift Check Valve, Bronze, Threaded	317.81	17.26
23 05 23 00-0681	EA	1-1/2" Lift Check Valve, Bronze, Threaded	386.21	19.97
23 05 23 00-0682	EA	2" Lift Check Valve, Bronze, Threaded	548.60	23.60
23 05 23 00-0683		Bronze Body, Threaded, 300 Lb., Lift Check Valves (23 05 23 00-0674)		
		Note: Crane 366E.		
23 05 23 00-0684	EA	1/2" Lift Check Valve, Bronze, Threaded, 300 Lb.	785.52	12.97
23 05 23 00-0685	EA	3/4" Lift Check Valve, Bronze, Threaded, 300 Lb.	954.58	13.62
23 05 23 00-0686	EA	1" Lift Check Valve, Bronze, Threaded, 300 Lb.	1,710.17	13.62
23 05 23 00-0687	EA	1-1/4" Lift Check Valve, Bronze, Threaded, 300 Lb.	2,278.88	17.26
23 05 23 00-0688	EA	1-1/2" Lift Check Valve, Bronze, Threaded, 300 Lb.	2,475.70	19.97
23 05 23 00-0689	EA	2" Lift Check Valve, Bronze, Threaded, 300 Lb.	3,179.52	23.60
23 05 23 00-0690		Iron Body, Flanged, 125 Lb. Vertical Lift Check Valves (23 05 23 00-0674)		
		Note: Mueller 105MAP.		
23 05 23 00-0691	EA	2" Lift Check Valve, Iron Body, Flanged, 125 Lb.	1,158.92	172.92
23 05 23 00-0692	EA	2-1/2" Lift Check Valve, Iron Body, Flanged, 125 Lb.	2,141.82	173.19
23 05 23 00-0693	EA	3" Lift Check Valve, Iron Body, Flanged, 125 Lb.	2,329.35	203.05
23 05 23 00-0694	EA	4" Lift Check Valve, Iron Body, Flanged, 125 Lb.	3,215.36	340.40
23 05 23 00-0695	EA	5" Lift Check Valve, Iron Body, Flanged, 125 Lb.	4,039.61	362.29
23 05 23 00-0696	EA	6" Lift Check Valve, Iron Body, Flanged, 125 Lb.	4,999.12	402.55
23 05 23 00-0697	EA	8" Lift Check Valve, Iron Body, Flanged, 125 Lb.	8,864.55	514.37
23 05 23 00-0698	EA	10" Lift Check Valve, Iron Body, Flanged, 125 Lb.	11,139.18	626.18
23 05 23 00-0699	EA	12" Lift Check Valve, Iron Body, Flanged, 125 Lb.	18,178.97	760.36
23 05 23 00-0700	EA	14" Lift Check Valve, Iron Body, Flanged, 125 Lb.	24,810.62	1,068.09
23 05 23 00-0701	EA	16" Lift Check Valve, Iron Body, Flanged, 125 Lb.	27,497.23	1,174.90
23 05 23 00-0702		Bronze Body Swing Check Valves (23 05 23 00-0650)		
23 05 23 00-0703		Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves (23 05 23 00-0702)		
23 05 23 00-0704	EA	1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	88.85	12.97
		For 300 Lb. Rating, Add	18.33	
		For Work In Restricted Working Space, Add	12.56	
23 05 23 00-0705	EA	1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	84.77	12.97
		For 300 Lb. Rating, Add	18.33	
		For Work In Restricted Working Space, Add	11.33	
23 05 23 00-0706	EA	3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb.	86.76	12.97
		For 300 Lb. Rating, Add	18.33	
		For Work In Restricted Working Space, Add	11.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 23 00-0707	EA 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb..... For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	90.69 19.05 12.56		12.97	
23 05 23 00-0708	EA 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb..... For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	115.58 23.08 16.92		13.62	
23 05 23 00-0709	EA 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb..... For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	148.64 31.34 20.48		13.62	
23 05 23 00-0710	EA 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	199.28 43.99 25.94		17.26	
23 05 23 00-0711	EA 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	257.75 61.61 29.93		19.97	
23 05 23 00-0712	EA 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb..... For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	321.02 79.21 35.38		23.60	
23 05 23 00-0713	EA 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb. For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	626.12 182.08 47.78		31.89	
23 05 23 00-0714	EA 3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb..... For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	847.76 258.96 55.13		37.02	
23 05 23 00-0715	EA 4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 Lb..... For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	960.42 293.05 62.71		41.80	
23 05 23 00-0716 Bronze Body, Flanged, 125 Lb., Swing Check Valves (23 05 23 00-0702)					
23 05 23 00-0717	EA 2" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add For 250 Lb. Rated Valves, Add	480.61 64.86 116.34 343.73		172.92	
23 05 23 00-0718	EA 2-1/2" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add For 250 Lb. Rated Valves, Add	504.09 65.15 126.24 373.00		173.19	
23 05 23 00-0719	EA 3" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add For 250 Lb. Rated Valves, Add	612.39 76.24 157.63 465.74		203.05	
23 05 23 00-0720	EA 4" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add For 250 Lb. Rated Valves, Add	960.01 127.97 234.71 693.46		340.40	
23 05 23 00-0721	EA 5" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add For 250 Lb. Rated Valves, Add	1,399.87 135.65 416.99 1,232.01		362.29	
23 05 23 00-0722	EA 6" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add For 250 Lb. Rated Valves, Add	1,547.46 151.50 458.69 1,355.21		402.55	
23 05 23 00-0723	EA 8" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add	2,430.28 191.69 788.18		514.37	
23 05 23 00-0724	EA 10" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add	3,484.40 234.82 1,188.74		626.18	
23 05 23 00-0725	EA 12" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add	4,472.58 284.63 1,550.48		760.36	
23 05 23 00-0726	EA 14" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add	13,047.09 400.53 5,153.27		1,068.09	
23 05 23 00-0727	EA 16" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add	16,735.10 440.59 6,717.25		1,174.90	
23 05 23 00-0728	EA 18" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add	21,575.00 488.65 8,776.31		1,303.07	
23 05 23 00-0729	EA 20" Swing Check Valve, Bronze Body, Flanged, 125 Lb. For Work In Restricted Working Space, Add For 150 Lb. Rated Valves, Add	26,809.91 550.73 10,988.62		1,468.62	
23 05 23 00-0730 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves (23 05 23 00-0650)					
23 05 23 00-0731	EA 1" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	671.08 373.12 713.31 36.71		97.28	
23 05 23 00-0732	EA 1-1/4" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	745.51 411.07 785.86 42.30		113.50	
23 05 23 00-0733	EA 1-1/2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	826.33 445.84 852.35 51.20		136.20	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0734	EA	2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	1,030.51 553.73 1,058.60 64.86	172.92
23 05 23 00-0735	EA	2-1/2" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	1,167.53 646.24 1,235.47 65.15	173.19
23 05 23 00-0736	EA	3" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	1,286.88 702.27 1,342.58 76.24	203.05
23 05 23 00-0737	EA	4" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	2,022.63 1,085.31 2,074.87 127.97	340.40
23 05 23 00-0738	EA	5" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	2,795.49 1,593.46 3,046.32 135.65	362.29
23 05 23 00-0739	EA	6" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	3,221.96 1,847.54 3,532.06 151.50	402.55
23 05 23 00-0740	EA	8" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	7,422.24 4,612.63 8,818.26 191.69	514.37
23 05 23 00-0741	EA	10" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	10,016.21 6,278.77 12,003.54 234.82	626.18
23 05 23 00-0742	EA	12" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	15,347.94 9,791.44 18,718.93 284.63	760.36
23 05 23 00-0743	EA	14" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	17,636.95 11,085.25 21,192.39 400.53	1,068.09
23 05 23 00-0744	EA	16" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	25,212.14 16,145.59 30,866.58 440.59	1,174.90
23 05 23 00-0745	EA	18" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	38,946.98 25,376.34 48,513.58 488.65	1,303.07
23 05 23 00-0746	EA	20" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	53,776.37 35,319.60 67,522.77 550.73	1,468.62
23 05 23 00-0747	EA	24" 125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves For 150 Lb. Rating, Add For 250 Lb. Rating, Add For Work In Restricted Working Space, Add	74,966.57 49,445.23 94,527.64 675.90	1,802.40
23 05 23 00-0748		APCO Iron Body, Bronze Trim, Flanged, 250 Lb., Swing Check Valves (23 05 23 00-0650) Note: AWWA C-509, side mounted oil cushion.		
23 05 23 00-0749	EA	6" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Side Mounted Oil Cushion For Asphalt Varnish Interior, Add	28,051.15 104.00	402.55
23 05 23 00-0750	EA	8" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Side Mounted Oil Cushion For Asphalt Varnish Interior, Add	29,566.01 112.00	514.37
23 05 23 00-0751	EA	10" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Side Mounted Oil Cushion For Asphalt Varnish Interior, Add	45,022.28 160.00	626.18
23 05 23 00-0752	EA	12" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Side Mounted Oil Cushion For Asphalt Varnish Interior, Add	52,992.89 168.00	760.36
23 05 23 00-0753		APCO Iron Body, Bronze Trim, Flanged, 250 Lb., Swing Check Valves (23 05 23 00-0650) Note: AWWA C-509, bottom buffer oil cushion.		
23 05 23 00-0754	EA	8" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Bottom Buffer Oil Cushion For Asphalt Varnish Interior, Add	26,824.69 112.00	514.37
23 05 23 00-0755	EA	10" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Bottom Buffer Oil Cushion For Asphalt Varnish Interior, Add	32,875.58 160.00	626.18
23 05 23 00-0756	EA	12" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 Lb., AWWA C-509. Primer Interior, Bottom Buffer Oil Cushion For Asphalt Varnish Interior, Add	37,542.29 168.00	760.36

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-0757		Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves (23 05 23 00-0650)	
		Note: 800 PSIG at 850 Degrees F.	
23 05 23 00-0758	EA	1/2" Class 800, Threaded, Forged Steel Swing Check Valve.....	204.62
		For Work In Restricted Working Space, Add	12.56
23 05 23 00-0759	EA	3/4" 800, Threaded, Forged Steel Swing Check Valve.....	241.21
		For Work In Restricted Working Space, Add	16.92
23 05 23 00-0760	EA	1" Class 800, Threaded, Forged Steel Swing Check Valve.....	285.31
		For Work In Restricted Working Space, Add	20.48
23 05 23 00-0761	EA	1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve.....	441.41
		For Work In Restricted Working Space, Add	25.94
23 05 23 00-0762	EA	1-1/2" 800, Threaded, Forged Steel Swing Check Valve.....	523.67
		For Work In Restricted Working Space, Add	29.93
23 05 23 00-0763	EA	2" Class 800, Threaded, Forged Steel Swing Check Valve.....	707.98
		For Work In Restricted Working Space, Add	35.38
23 05 23 00-0764		Plastic Check Valve (23 05 23 00-0650)	
23 05 23 00-0765		Polyvinyl Chloride (PVC) Check Valve (23 05 23 00-0764)	
23 05 23 00-0766		Polyvinyl Chloride (PVC) "Y" Check Valve (23 05 23 00-0765)	
23 05 23 00-0767	EA	1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	99.87
23 05 23 00-0768	EA	3/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	118.70
23 05 23 00-0769	EA	1" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	136.66
23 05 23 00-0770	EA	1-1/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	193.97
23 05 23 00-0771	EA	1-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	216.23
23 05 23 00-0772	EA	2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	362.48
23 05 23 00-0773	EA	2-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	446.89
23 05 23 00-0774	EA	3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	490.30
23 05 23 00-0775	EA	4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	710.64
23 05 23 00-0776	EA	3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Flanged.....	684.09
23 05 23 00-0777		Polyvinyl Chloride (PVC) True Union Ball Check Valve (23 05 23 00-0765)	
23 05 23 00-0778		Valves (23 05 23 00-0777)	
23 05 23 00-0779	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	76.68
23 05 23 00-0780	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	96.21
23 05 23 00-0781	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	118.04
23 05 23 00-0782	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	152.83
23 05 23 00-0783	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	179.40
23 05 23 00-0784	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	262.25
23 05 23 00-0785	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	426.32
23 05 23 00-0786	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	719.54
23 05 23 00-0787		Foot Valve Screen (23 05 23 00-0777)	
		Note: For use with PVC true union ball check valves above.	
23 05 23 00-0788	EA	1/2" Foot Valve Screen Option.....	61.97
23 05 23 00-0789	EA	3/4" Foot Valve Screen Option.....	74.11
23 05 23 00-0790	EA	1" Foot Valve Screen Option.....	85.88
23 05 23 00-0791	EA	1-1/4" Foot Valve Screen Option.....	129.65
23 05 23 00-0792	EA	1-1/2" Foot Valve Screen Option.....	143.44
23 05 23 00-0793	EA	2" Foot Valve Screen Option.....	155.21
23 05 23 00-0794	EA	2-1/2" Foot Valve Screen Option.....	185.18
23 05 23 00-0795	EA	3" Foot Valve Screen Option.....	215.16
23 05 23 00-0796	EA	4" Foot Valve Screen Option.....	261.13
23 05 23 00-0797		Hayward "True Check" With VITON Seals (23 05 23 00-0777)	
23 05 23 00-0798	EA	1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	69.29
23 05 23 00-0799	EA	3/8" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	71.28
23 05 23 00-0800	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	77.51
23 05 23 00-0801	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	96.13
23 05 23 00-0802	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	119.21
23 05 23 00-0803	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	152.75
23 05 23 00-0804	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	184.38
23 05 23 00-0805	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	230.73
23 05 23 00-0806	EA	2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	421.34
23 05 23 00-0807	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	462.43
23 05 23 00-0808	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	724.08
23 05 23 00-0809		Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals (23 05 23 00-0777)	
23 05 23 00-0810	EA	1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	73.37
23 05 23 00-0811	EA	3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	92.06
23 05 23 00-0812	EA	1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	113.57
23 05 23 00-0813	EA	1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	146.61
23 05 23 00-0814	EA	1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	173.10
23 05 23 00-0815	EA	2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	220.78
23 05 23 00-0816	EA	2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	406.41
23 05 23 00-0817	EA	3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	449.99
23 05 23 00-0818	EA	4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	705.00

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0819		Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged (23 05 23 00-0765)		
23 05 23 00-0820	EA	1" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	355.39	77.84
23 05 23 00-0821	EA	1-1/4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	387.63	90.80
23 05 23 00-0822	EA	1-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	427.03	113.50
23 05 23 00-0823	EA	2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	521.26	142.69
23 05 23 00-0824	EA	2-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	625.20	143.40
23 05 23 00-0825	EA	3" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	851.17	167.29
23 05 23 00-0826	EA	4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,181.12	283.81
23 05 23 00-0827	EA	6" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing	1,942.35	478.00
23 05 23 00-0828		Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End Connections (23 05 23 00-0764)		
23 05 23 00-0829	EA	1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. For Work In Restricted Working Space, Add	67.59 12.56	12.97
23 05 23 00-0830	EA	3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. For Work In Restricted Working Space, Add	82.14 16.92	14.27
23 05 23 00-0831	EA	1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. For Work In Restricted Working Space, Add	95.04 20.48	16.22
23 05 23 00-0832	EA	1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. For Work In Restricted Working Space, Add	114.34 25.94	17.26
23 05 23 00-0833	EA	1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. For Work In Restricted Working Space, Add	129.26 29.93	19.97
23 05 23 00-0834	EA	2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. For Work In Restricted Working Space, Add	163.76 35.38	23.60
23 05 23 00-0835	EA	2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. For Work In Restricted Working Space, Add	224.50 47.78	31.89
23 05 23 00-0836	EA	3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 Lb. For Work In Restricted Working Space, Add	268.42 55.13	37.02
23 05 23 00-0837		Polyvinyl Chloride (PVC) Body, Swing Check Valves (23 05 23 00-0764)		
23 05 23 00-0838		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals (23 05 23 00-0837)		
23 05 23 00-0839	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	676.09	167.21
		For Work In Restricted Working Space, Add	63.98	
23 05 23 00-0840	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	868.85	283.67
		For Work In Restricted Working Space, Add	105.39	
23 05 23 00-0841	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,371.11	335.45
		For Work In Restricted Working Space, Add	138.13	
23 05 23 00-0842	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,823.65	424.90
		For Work In Restricted Working Space, Add	156.55	
23 05 23 00-0843		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals (23 05 23 00-0837)		
23 05 23 00-0844	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	795.52	167.21
		For Work In Restricted Working Space, Add	63.98	
23 05 23 00-0845	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,132.59	283.67
		For Work In Restricted Working Space, Add	105.39	
23 05 23 00-0846	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,620.93	335.45
		For Work In Restricted Working Space, Add	138.13	
23 05 23 00-0847	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	2,122.23	424.90
		For Work In Restricted Working Space, Add	156.55	
23 05 23 00-0848		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights (23 05 23 00-0837)		
23 05 23 00-0849	EA	3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights.....	827.04	167.21
		For Work In Restricted Working Space, Add	63.98	
23 05 23 00-0850	EA	4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights.....	1,135.08	283.67
		For Work In Restricted Working Space, Add	105.39	
23 05 23 00-0851	EA	6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights.....	1,510.45	335.45
		For Work In Restricted Working Space, Add	138.13	
23 05 23 00-0852	EA	8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights.....	1,938.44	424.90
		For Work In Restricted Working Space, Add	156.55	
23 05 23 00-0853		Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights (23 05 23 00-0837)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
23 05 23 00-0854	EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights For Work In Restricted Working Space, Add	926.56 63.98		167.21	
23 05 23 00-0855	EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights For Work In Restricted Working Space, Add	1,280.23 105.39		283.67	
23 05 23 00-0856	EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights For Work In Restricted Working Space, Add	1,717.80 138.13		335.45	
23 05 23 00-0857	EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights For Work In Restricted Working Space, Add	2,187.26 156.55		424.90	
23 05 23 00-0858 Diaphragm Valves (23 05 23)					
23 05 23 00-0859 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0858)					
23 05 23 00-0860	EA 1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	303.54		38.81	
23 05 23 00-0861	EA 3/4" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	389.26		43.00	
23 05 23 00-0862	EA 1" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	421.93		53.15	
23 05 23 00-0863	EA 1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	669.95		79.43	
23 05 23 00-0864	EA 2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,079.47		95.55	
23 05 23 00-0865 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0858)					
23 05 23 00-0866	EA 1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	484.71		62.26	
23 05 23 00-0867	EA 3/4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	568.58		64.86	
23 05 23 00-0868	EA 1" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	664.77		97.28	
23 05 23 00-0869	EA 1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,014.36		136.20	
23 05 23 00-0870	EA 2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,645.34		172.92	
23 05 23 00-0871	EA 2-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	2,134.93		173.19	
23 05 23 00-0872	EA 3" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	2,660.41		203.05	
23 05 23 00-0873	EA 4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,729.84		340.40	
23 05 23 00-0874	EA 6" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	7,905.49		402.55	
23 05 23 00-0875	EA 8" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	12,374.34		514.37	
23 05 23 00-0876 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0858)					
23 05 23 00-0877	EA 1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	185.91		38.81	
23 05 23 00-0878	EA 3/4" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	243.76		43.00	
23 05 23 00-0879	EA 1" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	276.43		53.15	
23 05 23 00-0880	EA 1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	471.82		79.43	
23 05 23 00-0881	EA 2" Diaphragm Valve, Cast Iron, 150 Lb., Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	618.23		95.55	
23 05 23 00-0882 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0858)					
23 05 23 00-0883	EA 1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	314.59		62.26	
23 05 23 00-0884	EA 3/4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	366.31		64.86	
23 05 23 00-0885	EA 1" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	462.46		97.28	
23 05 23 00-0886	EA 1-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	738.89		136.20	
23 05 23 00-0887	EA 2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,003.93		172.92	
23 05 23 00-0888	EA 2-1/2" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,244.20		173.19	
23 05 23 00-0889	EA 3" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,519.70		203.05	
23 05 23 00-0890	EA 4" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,385.20		340.40	
23 05 23 00-0891	EA 6" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	4,893.00		402.55	
23 05 23 00-0892	EA 8" Diaphragm Valve, Cast Iron, 150 Lb., Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	7,596.27		514.37	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0893		125 Lb., Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0893)		
23 05 23 00-0894	EA	1" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve (00-0894)	603.83	97.28
23 05 23 00-0895	EA	1-1/2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	991.98	136.20
23 05 23 00-0896	EA	2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	1,341.93	172.92
23 05 23 00-0897	EA	2-1/2" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	1,973.00	173.19
23 05 23 00-0898	EA	3" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	2,172.79	203.05
23 05 23 00-0899	EA	4" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	3,393.08	340.40
23 05 23 00-0900	EA	6" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	6,947.73	402.55
23 05 23 00-0901	EA	8" Diameter, 125 Lb., Flanged, Cast Iron, Diaphragm Valve	14,671.33	514.37
23 05 23 00-0902		Plastic Diaphragm Valves (23 05 23 00-0895)		
23 05 23 00-0903		Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valves (23 05 23 00-0902)		
23 05 23 00-0904	EA	1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	198.65	38.81
23 05 23 00-0905	EA	3/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	221.92	42.88
23 05 23 00-0906	EA	1" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	280.35	53.15
23 05 23 00-0907	EA	1-1/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	404.42	68.68
23 05 23 00-0908	EA	1-1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	427.90	79.55
23 05 23 00-0909	EA	2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314)	502.90	95.55
23 05 23 00-0910		Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valves (23 05 23 00-0902)		
23 05 23 00-0911	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	274.96	38.81
23 05 23 00-0912	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	299.89	42.88
23 05 23 00-0913	EA	1" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	381.54	53.15
23 05 23 00-0914	EA	1-1/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	493.99	68.68
23 05 23 00-0915	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	553.96	79.55
23 05 23 00-0916	EA	2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315)	605.75	95.55
23 05 23 00-0917		Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0902)		
23 05 23 00-0918		Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0917)		
23 05 23 00-0919	EA	1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	142.07	38.81
23 05 23 00-0920	EA	3/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	158.98	43.00
23 05 23 00-0921	EA	1" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	197.56	53.15
23 05 23 00-0922	EA	1-1/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	276.72	68.68
23 05 23 00-0923	EA	1-1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	298.22	79.43
23 05 23 00-0924	EA	2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	356.27	95.55
23 05 23 00-0925		Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0917)		
23 05 23 00-0926	EA	1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	142.07	38.81
23 05 23 00-0927	EA	3/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	158.98	43.00
23 05 23 00-0928	EA	1" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	197.86	53.15
23 05 23 00-0929	EA	1-1/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	276.72	68.68
23 05 23 00-0930	EA	1-1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	298.22	79.43
23 05 23 00-0931	EA	2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	356.27	95.55
23 05 23 00-0932		Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0902)		
23 05 23 00-0933		Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0932)		
23 05 23 00-0934	EA	1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	129.16	38.81
23 05 23 00-0935	EA	3/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	144.01	43.00
23 05 23 00-0936	EA	1" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	179.28	53.15
23 05 23 00-0937	EA	1-1/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	248.85	68.68
23 05 23 00-0938	EA	1-1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	270.35	79.43
23 05 23 00-0939	EA	2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	323.25	95.55
23 05 23 00-0940		Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0932)		
23 05 23 00-0941	EA	1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	129.16	38.81

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 23 00-0942	EA 3/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	144.01		43.00	
23 05 23 00-0943	EA 1" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	179.28		53.15	
23 05 23 00-0944	EA 1-1/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	248.85		68.68	
23 05 23 00-0945	EA 1-1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	270.35		79.43	
23 05 23 00-0946	EA 2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	323.25		95.55	
23 05 23 00-0947	Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0902)				
23 05 23 00-0948	Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0947)				
23 05 23 00-0949	EA 1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	161.38		38.81	
23 05 23 00-0950	EA 3/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	175.08		43.00	
23 05 23 00-0951	EA 1" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	237.42		53.15	
23 05 23 00-0952	EA 1-1/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	315.97		68.68	
23 05 23 00-0953	EA 1-1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	337.47		79.43	
23 05 23 00-0954	EA 2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	408.94		95.55	
23 05 23 00-0955	Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0947)				
23 05 23 00-0956	EA 1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	161.38		38.81	
23 05 23 00-0957	EA 3/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	175.08		43.00	
23 05 23 00-0958	EA 1" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	237.42		53.15	
23 05 23 00-0959	EA 1-1/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	315.94		68.68	
23 05 23 00-0960	EA 1-1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	337.47		79.43	
23 05 23 00-0961	EA 2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	408.94		95.55	
23 05 23 00-0962	Pinch Valves (23 05 23)				
23 05 23 00-0963	Open Cast Iron Body Pinch Valves, Manually Operated (23 05 23 00-0962)				
23 05 23 00-0964	EA 4" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged	2,973.55		340.40	
	For Viton Sleeve Material, Add	287.00			
	For Epoxy Coated, Add	50.00			
23 05 23 00-0965	EA 8" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged	7,712.18		514.37	
	For Viton Sleeve Material, Add	487.00			
	For Epoxy Coated, Add	138.00			
23 05 23 00-0966	EA 12" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged	12,374.33		760.36	
	For Viton Sleeve Material, Add	673.00			
	For Epoxy Coated, Add	223.00			
23 05 23 00-0967	EA 20" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged	40,094.96		1,229.99	
	For Viton Sleeve Material, Add	1,141.00			
	For Epoxy Coated, Add	753.00			
23 05 23 00-0968	EA 24" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged	46,781.13		1,509.55	
	For Viton Sleeve Material, Add	1,287.00			
	For Epoxy Coated, Add	877.00			
23 05 23 00-0969	Closed Cast Iron Body Pinch Valves, Manually Operated (23 05 23 00-0962)				
23 05 23 00-0970	EA 4" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged.....	3,837.88		340.40	
	For Viton Sleeve Material, Add	287.00			
	For Epoxy Coated, Add	67.00			
23 05 23 00-0971	EA 8" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged.....	8,868.03		514.37	
	For Viton Sleeve Material, Add	487.00			
	For Epoxy Coated, Add	160.00			
23 05 23 00-0972	EA 12" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged.....	16,532.34		760.36	
	For Viton Sleeve Material, Add	673.00			
	For Epoxy Coated, Add	304.00			
23 05 23 00-0973	EA 16" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve.....	33,029.25		984.00	
	For Viton Sleeve Material, Add	849.00			
	For Epoxy Coated, Add	615.00			
23 05 23 00-0974	EA 20" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged.....	56,583.79		1,229.99	
	For Viton Sleeve Material, Add	1,141.00			
	For Epoxy Coated, Add	1,076.00			
23 05 23 00-0975	EA 24" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged.....	70,102.80		1,509.55	
	For Viton Sleeve Material, Add	1,287.00			
	For Epoxy Coated, Add	1,333.00			
23 05 23 00-0976	Closed Aluminum Body Pinch Valves, Manually Operated (23 05 23 00-0962)				
23 05 23 00-0977	EA 4" Pinch Valve, Closed Aluminum Body, Buna-N Sleeve, Flanged.....	4,758.48		340.40	
	For Viton Sleeve Material, Add	287.00			
23 05 23 00-0978	EA 8" Pinch Valve, Closed Aluminum Body, Buna-N Sleeve, Flanged.....	11,859.95		514.37	
	For Viton Sleeve Material, Add	487.00			
23 05 23 00-0979	EA 12" Pinch Valve, Closed Aluminum Body, Buna-N Sleeve, Flanged.....	20,398.82		760.36	
	For Viton Sleeve Material, Add	673.00			
23 05 23 00-0980	Flow Control Valves And Meters (23 05 23)				
23 05 23 00-0981	Conditioned Water Balancing Valves (23 05 23 00-0980)				
	Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0982	EA	1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	186.00	66.18
23 05 23 00-0983	EA	3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	223.19	88.24
23 05 23 00-0984	EA	1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,429.24	100.83
23 05 23 00-0985	EA	1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,539.24	124.58
23 05 23 00-0986	EA	1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,648.08	132.36
23 05 23 00-0987	EA	2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,763.20	151.31
23 05 23 00-0988	EA	2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,131.19	263.38
23 05 23 00-0989	EA	3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,019.98	301.02
23 05 23 00-0990	EA	3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,385.50	203.15
23 05 23 00-0991	EA	4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,687.09	340.57
23 05 23 00-0992	EA	6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	7,331.60	430.20
23 05 23 00-0993	EA	8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	9,899.00	549.70
23 05 23 00-0994	EA	10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	14,160.49	669.20
23 05 23 00-0995 Read Out Meters (23 05 23 00-0980)				
Note: For use with conditioned portable water balancing valves.				
23 05 23 00-0996	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,402.49	
23 05 23 00-0997	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0998	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0999	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-1000 Balancing Valves (23 05 23)				
23 05 23 00-1001 Balancing Valves With Lever (23 05 23 00-1000)				
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.				
23 05 23 00-1002	EA	1/2" Threaded Balancing Valve With Lever	440.13	40.87
23 05 23 00-1003	EA	3/4" Threaded Balancing Valve With Lever	476.38	53.85
23 05 23 00-1004	EA	1" Threaded Balancing Valve With Lever	663.00	61.64
23 05 23 00-1005	EA	1-1/4" Threaded Balancing Valve With Lever	713.19	76.56
23 05 23 00-1006	EA	1-1/2" Threaded Balancing Valve With Lever	748.91	81.10
23 05 23 00-1007	EA	2" Threaded Balancing Valve With Lever	919.99	92.78
23 05 23 00-1008	EA	2-1/2" Flanged Balancing Valve With Lever	1,235.29	173.28
23 05 23 00-1009	EA	3" Flanged Balancing Valve With Lever	1,238.71	203.15
23 05 23 00-1010	EA	4" Flanged Balancing Valve With Lever	1,545.49	340.57
23 05 23 00-1011	EA	5" Flanged Balancing Valve With Lever	4,628.63	387.18
23 05 23 00-1012	EA	6" Flanged Balancing Valve With Lever	2,273.66	430.20
23 05 23 00-1013	EA	8" Flanged Balancing Valve With Lever	3,008.50	549.70
23 05 23 00-1014 Balancing Valves With Nut (23 05 23 00-1000)				
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.				
23 05 23 00-1015	EA	4" Flanged Balancing Valve With Nut	1,545.49	340.57
23 05 23 00-1016	EA	5" Flanged Balancing Valve With Nut	4,628.63	387.18
23 05 23 00-1017	EA	6" Flanged Balancing Valve With Nut	2,273.66	430.20
23 05 23 00-1018	EA	8" Flanged Balancing Valve With Nut	3,008.50	549.70
23 05 23 00-1019 Balancing Valves With Hand Wheel (23 05 23 00-1000)				
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.				
23 05 23 00-1020	EA	4" Flanged Balancing Valve With Hand Wheel	2,111.05	340.57
23 05 23 00-1021	EA	5" Flanged Balancing Valve With Hand Wheel	5,226.52	387.18
23 05 23 00-1022	EA	6" Flanged Balancing Valve With Hand Wheel	2,872.79	430.20
23 05 23 00-1023	EA	8" Flanged Balancing Valve With Hand Wheel	4,071.27	549.70
23 05 23 00-1024	EA	10" Flanged Balancing Valve With Hand Wheel	6,272.13	669.20
23 05 23 00-1025	EA	12" Flanged Balancing Valve With Hand Wheel	8,205.03	537.03
23 05 23 00-1026	EA	14" Flanged Balancing Valve With Hand Wheel	10,734.86	1,012.54
23 05 23 00-1027 Balancing Valves With Chain Wheel (23 05 23 00-1000)				
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.				
23 05 23 00-1028	EA	4" Flanged Balancing Valve With Chain Wheel	2,435.48	340.57
23 05 23 00-1029	EA	5" Flanged Balancing Valve With Chain Wheel	5,545.97	387.18
23 05 23 00-1030	EA	6" Flanged Balancing Valve With Chain Wheel	3,191.00	430.20
23 05 23 00-1031	EA	8" Flanged Balancing Valve With Chain Wheel	4,462.81	549.70
23 05 23 00-1032	EA	10" Flanged Balancing Valve With Chain Wheel	6,652.49	669.20
23 05 23 00-1033	EA	12" Flanged Balancing Valve With Chain Wheel	8,915.11	536.65
23 05 23 00-1034	EA	14" Flanged Balancing Valve With Chain Wheel	11,377.49	1,012.54
23 05 23 00-1035 Calibrated Balancing Valves (23 05 23 00-1000)				
Note: Bell & Gossett CB Series.				
23 05 23 00-1036	EA	1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	152.23	12.97
23 05 23 00-1037	EA	3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	179.18	14.27
23 05 23 00-1038	EA	1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	202.86	16.22
23 05 23 00-1039	EA	1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	283.27	17.26
23 05 23 00-1040	EA	1-1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/2S)	332.43	19.98
23 05 23 00-1041	EA	2" Brazed Or Soldered Calibrated Balancing Valve (CB-2S)	445.32	23.61
23 05 23 00-1042	EA	1" Threaded Calibrated Balancing Valve (CB-1)	232.51	16.22
23 05 23 00-1043	EA	1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	316.49	17.26
23 05 23 00-1044	EA	1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	354.47	19.98

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 23 00-1045	EA	2" Threaded Calibrated Balancing Valve (CB-2).....	476.29	23.61
23 05 23 00-1046	EA	2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	671.18	34.64
23 05 23 00-1047	EA	3" Threaded Calibrated Balancing Valve (CB-3).....	1,164.88	40.23
23 05 23 00-1048	EA	2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F).....	1,101.79	188.16
23 05 23 00-1049	EA	3" Flanged Calibrated Balancing Valve (CB-3F).....	1,907.28	220.61
23 05 23 00-1050	EA	4" Flanged Calibrated Balancing Valve (CB-4F).....	2,865.22	369.83
23 05 23 00-1051	EA	5" Flanged Calibrated Balancing Valve (CB-5F).....	3,947.60	420.44
23 05 23 00-1052	EA	6" Flanged Calibrated Balancing Valve (CB-6F).....	4,996.40	467.16
23 05 23 00-1053	EA	8" Flanged Calibrated Balancing Valve (CB-8F).....	7,900.14	596.92
23 05 23 00-1054	EA	10" Flanged Calibrated Balancing Valve (CB-10F).....	12,949.13	708.79
23 05 23 00-1055	EA	12" Flanged Calibrated Balancing Valve (CB-12F).....	27,309.02	860.67
23 05 23 00-1056	EA	4" Grooved Calibrated Balancing Valve (CB-4G).....	3,263.47	44.67
23 05 23 00-1057	EA	5" Grooved Calibrated Balancing Valve (CB-5G).....	3,785.04	57.03
23 05 23 00-1058	EA	6" Grooved Calibrated Balancing Valve (CB-6G).....	5,009.89	73.13
23 05 23 00-1059	EA	8" Grooved Calibrated Balancing Valve (CB-8G).....	9,394.62	92.81
23 05 23 00-1060	EA	10" Grooved Calibrated Balancing Valve (CB-10G).....	14,992.34	103.99
23 05 23 00-1061	EA	12" Grooved Calibrated Balancing Valve (CB-12G).....	30,905.55	126.80

23 05 23 00-1062 Butterfly Valves (23 05 23)**23 05 23 00-1063 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves** (23 05 23 00-1062)

Note: With on-off handle

23 05 23 00-1064	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	532.88	172.92
		For 200 PSI, Add	152.01	
		For Work In Restricted Working Space, Add	64.86	
23 05 23 00-1065	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	552.27	173.19
		For 200 PSI, Add	160.85	
		For Work In Restricted Working Space, Add	65.15	
23 05 23 00-1066	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	615.00	203.05
		For 200 PSI, Add	173.22	
		For Work In Restricted Working Space, Add	76.24	
23 05 23 00-1067	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	879.51	340.40
		For 200 PSI, Add	217.41	
		For Work In Restricted Working Space, Add	127.97	
23 05 23 00-1068	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,149.40	402.55
		For 200 PSI, Add	309.32	
		For Work In Restricted Working Space, Add	151.50	
23 05 23 00-1069	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,347.12	447.27
		For 200 PSI, Add	378.25	
		For Work In Restricted Working Space, Add	167.73	
23 05 23 00-1070	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,824.68	514.37
		For 200 PSI, Add	569.15	
		For Work In Restricted Working Space, Add	191.69	
23 05 23 00-1071	EA	10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	3,080.52	626.18
		For 200 PSI, Add	1,102.94	
		For Work In Restricted Working Space, Add	234.82	
23 05 23 00-1072	EA	12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	3,876.24	760.36
		For 200 PSI, Add	1,405.19	
		For Work In Restricted Working Space, Add	284.63	

23 05 23 00-1073 Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves (23 05 23 00-1062)

23 05 23 00-1074	EA	2" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve.....	1,085.24	172.92
		For Work In Restricted Working Space, Add	64.86	
23 05 23 00-1075	EA	2-1/2" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve.....	1,093.57	173.19
		For Work In Restricted Working Space, Add	65.15	
23 05 23 00-1076	EA	3" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve.....	1,174.72	203.05
		For Work In Restricted Working Space, Add	76.24	
23 05 23 00-1077	EA	4" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve.....	1,465.01	340.40
		For Work In Restricted Working Space, Add	127.97	
23 05 23 00-1078	EA	5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,797.50	402.55
		For Work In Restricted Working Space, Add	151.50	
23 05 23 00-1079	EA	6" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve.....	1,991.33	447.27
		For Work In Restricted Working Space, Add	167.73	
23 05 23 00-1080	EA	8" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve.....	2,494.87	514.37
		For Work In Restricted Working Space, Add	191.69	
23 05 23 00-1081	EA	10" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve.....	3,179.94	626.18
		For Work In Restricted Working Space, Add	234.82	
23 05 23 00-1082	EA	12" Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valve.....	4,432.28	760.36
		For Work In Restricted Working Space, Add	284.63	

23 05 23 00-1083 Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valves (23 05 23 00-1062)

23 05 23 00-1084	EA	14" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve.....	7,553.60	1,001.33
		For 200 PSI, Add	2,238.66	
		For Work In Restricted Working Space, Add	400.53	
23 05 23 00-1085	EA	16" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve.....	9,823.08	1,174.90
		For 200 PSI, Add	3,007.61	
		For Work In Restricted Working Space, Add	440.59	
23 05 23 00-1086	EA	18" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve.....	14,044.46	1,308.41
		For 200 PSI, Add	4,468.55	
		For Work In Restricted Working Space, Add	489.54	
23 05 23 00-1087	EA	20" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve.....	18,253.00	1,468.62
		For 200 PSI, Add	5,910.20	
		For Work In Restricted Working Space, Add	550.73	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1088	EA	24" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	24,675.84 8,069.91 677.83	1,802.40
23 05 23 00-1089	EA	30" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	51,753.10 17,322.71 1,090.34	2,855.64
23 05 23 00-1090	EA	36" Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valve..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	65,681.03 22,009.67 1,362.92	3,894.05
23 05 23 00-1091		Plastic Butterfly Valves (23 05 23 00-1062)		
23 05 23 00-1092		Polyvinyl Chloride (PVC) Butterfly Valves, With Operator (23 05 23 00-1091)		
23 05 23 00-1093		Polyvinyl Chloride (PVC) Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals (23 05 23 00-1092)		
23 05 23 00-1094	EA	1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	252.43	113.50
23 05 23 00-1095	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	291.59	142.69
23 05 23 00-1096	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	336.06	167.21
23 05 23 00-1097	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	493.68	283.67
23 05 23 00-1098	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	675.04	335.45
23 05 23 00-1099	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	904.61	424.90
23 05 23 00-1100	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,412.69	503.18
23 05 23 00-1101	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,834.10	615.00
23 05 23 00-1102		Polyvinyl Chloride (PVC) Butterfly Valves, Viton Liner And Seals (23 05 23 00-1092)		
23 05 23 00-1103	EA	1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	373.15	113.50
23 05 23 00-1104	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	412.31	142.69
23 05 23 00-1105	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	479.48	167.21
23 05 23 00-1106	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	674.25	283.67
23 05 23 00-1107	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	989.73	335.45
23 05 23 00-1108	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	1,416.37	424.90
23 05 23 00-1109	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,588.91	503.18
23 05 23 00-1110	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,434.38	615.00
23 05 23 00-1111		Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, With Operator (23 05 23 00-1091)		
23 05 23 00-1112		Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals (23 05 23 00-1111)		
23 05 23 00-1113	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	302.11	142.69
23 05 23 00-1114	EA	2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	309.93	143.33
23 05 23 00-1115	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	343.54	167.21
23 05 23 00-1116	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	492.10	283.67
23 05 23 00-1117	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	668.87	335.45
23 05 23 00-1118	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	990.21	424.90
23 05 23 00-1119	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,543.96	503.18
23 05 23 00-1120	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	1,981.30	615.00
23 05 23 00-1121		Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Viton Liner And Seals (23 05 23 00-1111)		
23 05 23 00-1122	EA	2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	359.45	59.02
23 05 23 00-1123	EA	2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	394.79	71.35
23 05 23 00-1124	EA	3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	415.55	79.55
23 05 23 00-1125	EA	4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	485.72	91.85
23 05 23 00-1126	EA	6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	779.77	149.31
23 05 23 00-1127	EA	8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	1,653.73	238.88
23 05 23 00-1128	EA	10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	2,444.25	265.16
23 05 23 00-1129	EA	12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals	3,413.94	298.60
23 05 23 00-1130		Polyvinylidene Fluoride (PVDF) Butterfly Valves, With Operator (23 05 23 00-1091)		
23 05 23 00-1131		Polyvinylidene Fluoride (PVDF) Butterfly Valves, Viton Liner And Seals (23 05 23 00-1130)		
23 05 23 00-1132	EA	2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	969.65	142.69
23 05 23 00-1133	EA	2-1/2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	1,006.33	143.33
23 05 23 00-1134	EA	3" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	1,100.07	167.21
23 05 23 00-1135	EA	4" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	1,555.49	283.67
23 05 23 00-1136	EA	6" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	2,755.16	335.45
23 05 23 00-1137	EA	8" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	5,327.09	424.90
23 05 23 00-1138	EA	10" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	7,906.34	503.18
23 05 23 00-1139	EA	12" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals	9,850.46	615.00

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 05 29 Hangers and Supports for HVAC Piping and Equipment (23 05)

23 05 29 00-0001	Hangers And Supports (23 05 29)		
23 05 29 00-0002	Clevis Hangers (23 05 29 00-0001)		
23 05 29 00-0003	Steel Clevis Hanger (Cooper B-Line B3100) (23 05 29 00-0002)		
	Note: Type 1.		
23 05 29 00-0004	EA 1/2" Steel Clevis Hanger (Cooper B-Line B3100)	23.24	10.75
	For Work In Restricted Working Space, Add	6.45	
23 05 29 00-0005	EA 3/4" Steel Clevis Hanger (Cooper B-Line B3100)	25.63	11.95
	For Work In Restricted Working Space, Add	7.17	
23 05 29 00-0006	EA 1" Steel Clevis Hanger (Cooper B-Line B3100)	26.95	11.95
	For Work In Restricted Working Space, Add	7.54	
23 05 29 00-0007	EA 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)	27.92	12.92
	For Work In Restricted Working Space, Add	7.76	
23 05 29 00-0008	EA 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	28.15	12.92
	For Work In Restricted Working Space, Add	7.76	
23 05 29 00-0009	EA 2" Steel Clevis Hanger (Cooper B-Line B3100)	29.30	13.14
	For Work In Restricted Working Space, Add	7.96	
23 05 29 00-0010	EA 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	31.79	13.62
	For Work In Restricted Working Space, Add	8.20	
23 05 29 00-0011	EA 3" Steel Clevis Hanger (Cooper B-Line B3100)	33.72	14.33
	For Work In Restricted Working Space, Add	8.43	
23 05 29 00-0012	EA 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	35.37	15.74
	For Work In Restricted Working Space, Add	8.99	
23 05 29 00-0013	EA 4" Steel Clevis Hanger (Cooper B-Line B3100)	38.61	16.72
	For Work In Restricted Working Space, Add	9.56	
23 05 29 00-0014	EA 5" Steel Clevis Hanger (Cooper B-Line B3100)	49.37	20.01
	For Work In Restricted Working Space, Add	12.00	
23 05 29 00-0015	EA 6" Steel Clevis Hanger (Cooper B-Line B3100)	59.33	23.89
	For Work In Restricted Working Space, Add	14.33	
23 05 29 00-0016	EA 8" Steel Clevis Hanger (Cooper B-Line B3100)	78.87	29.87
	For Work In Restricted Working Space, Add	17.92	
23 05 29 00-0017	EA 10" Steel Clevis Hanger (Cooper B-Line B3100)	113.75	40.61
	For Work In Restricted Working Space, Add	23.89	
23 05 29 00-0018	EA 12" Steel Clevis Hanger (Cooper B-Line B3100)	132.58	44.79
	For Work In Restricted Working Space, Add	26.88	
23 05 29 00-0019	EA 14" Steel Clevis Hanger (Cooper B-Line B3100)	163.27	50.17
	For Work In Restricted Working Space, Add	30.82	
23 05 29 00-0020	EA 16" Steel Clevis Hanger (Cooper B-Line B3100)	201.63	59.72
	For Work In Restricted Working Space, Add	35.83	
23 05 29 00-0021	EA 18" Steel Clevis Hanger (Cooper B-Line B3100)	251.40	74.65
	For Work In Restricted Working Space, Add	44.79	
23 05 29 00-0022	EA 20" Steel Clevis Hanger (Cooper B-Line B3100)	393.68	89.59
	For Work In Restricted Working Space, Add	53.75	
23 05 29 00-0023	EA 24" Steel Clevis Hanger (Cooper B-Line B3100)	587.97	104.51
	For Work In Restricted Working Space, Add	62.71	
23 05 29 00-0024	Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)		
23 05 29 00-0025	EA 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	27.87	10.75
	For Work In Restricted Working Space, Add	6.45	
23 05 29 00-0026	EA 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	30.26	11.95
	For Work In Restricted Working Space, Add	7.17	
23 05 29 00-0027	EA 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.68	11.95
	For Work In Restricted Working Space, Add	7.54	
23 05 29 00-0028	EA 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	32.75	12.92
	For Work In Restricted Working Space, Add	7.76	
23 05 29 00-0029	EA 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	33.34	12.92
	For Work In Restricted Working Space, Add	7.76	
23 05 29 00-0030	EA 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	34.19	13.14
	For Work In Restricted Working Space, Add	7.96	
23 05 29 00-0031	EA 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	37.76	13.62
	For Work In Restricted Working Space, Add	8.20	
23 05 29 00-0032	EA 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	39.50	14.33
	For Work In Restricted Working Space, Add	8.43	
23 05 29 00-0033	EA 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	44.36	16.72
	For Work In Restricted Working Space, Add	9.56	
23 05 29 00-0034	EA 4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	48.27	16.72
	For Work In Restricted Working Space, Add	9.56	
23 05 29 00-0035	EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	76.59	20.01
	For Work In Restricted Working Space, Add	12.00	
23 05 29 00-0036	EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	94.53	23.89
	For Work In Restricted Working Space, Add	14.33	
23 05 29 00-0037	EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	113.18	29.87
	For Work In Restricted Working Space, Add	17.92	
23 05 29 00-0038	Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)		
23 05 29 00-0039	EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	23.08	10.75
	For Work In Restricted Working Space, Add	6.45	
23 05 29 00-0040	EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	25.50	11.95
	For Work In Restricted Working Space, Add	7.17	
23 05 29 00-0041	EA 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	26.91	11.95
	For Work In Restricted Working Space, Add	7.54	
23 05 29 00-0042	EA 1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	27.66	12.92
	For Work In Restricted Working Space, Add	7.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0043	EA		1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	27.79	12.92
			<i>For Work In Restricted Working Space, Add</i>	7.76	
23 05 29 00-0044	EA		2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	28.58	13.14
			<i>For Work In Restricted Working Space, Add</i>	7.96	
23 05 29 00-0045	EA		2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	30.84	13.62
			<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0046	EA		3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	32.11	14.33
			<i>For Work In Restricted Working Space, Add</i>	8.43	
23 05 29 00-0047	EA		3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	36.22	16.72
			<i>For Work In Restricted Working Space, Add</i>	9.56	
23 05 29 00-0048	EA		4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104).....	37.14	16.72
			<i>For Work In Restricted Working Space, Add</i>	9.56	
23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)					
23 05 29 00-0050	EA		3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	31.28	11.95
			<i>For Work In Restricted Working Space, Add</i>	7.17	
23 05 29 00-0051	EA		1" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	32.60	11.95
			<i>For Work In Restricted Working Space, Add</i>	7.54	
23 05 29 00-0052	EA		1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	33.31	12.92
			<i>For Work In Restricted Working Space, Add</i>	7.76	
23 05 29 00-0053	EA		1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	34.23	12.92
			<i>For Work In Restricted Working Space, Add</i>	7.76	
23 05 29 00-0054	EA		2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	36.46	13.14
			<i>For Work In Restricted Working Space, Add</i>	7.96	
23 05 29 00-0055	EA		2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	38.85	13.62
			<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0056	EA		3" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	40.64	14.33
			<i>For Work In Restricted Working Space, Add</i>	8.43	
23 05 29 00-0057	EA		4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	48.40	16.72
			<i>For Work In Restricted Working Space, Add</i>	9.56	
23 05 29 00-0058	EA		5" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	61.03	20.01
			<i>For Work In Restricted Working Space, Add</i>	12.00	
23 05 29 00-0059	EA		6" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	74.96	23.89
			<i>For Work In Restricted Working Space, Add</i>	14.33	
23 05 29 00-0060	EA		8" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	104.51	29.87
			<i>For Work In Restricted Working Space, Add</i>	17.92	
23 05 29 00-0061	EA		10" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	145.86	40.61
			<i>For Work In Restricted Working Space, Add</i>	23.89	
23 05 29 00-0062	EA		12" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	163.87	44.79
			<i>For Work In Restricted Working Space, Add</i>	26.88	
23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) (23 05 29 00-0002)					
23 05 29 00-0064	EA		2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	37.54	13.14
			<i>For Work In Restricted Working Space, Add</i>	7.96	
23 05 29 00-0065	EA		2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	39.86	13.62
			<i>For Work In Restricted Working Space, Add</i>	8.20	
23 05 29 00-0066	EA		3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	41.80	14.33
			<i>For Work In Restricted Working Space, Add</i>	8.43	
23 05 29 00-0067	EA		3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	46.43	16.72
			<i>For Work In Restricted Working Space, Add</i>	9.56	
23 05 29 00-0068	EA		4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	48.73	16.72
			<i>For Work In Restricted Working Space, Add</i>	9.56	
23 05 29 00-0069	EA		5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	60.60	20.01
			<i>For Work In Restricted Working Space, Add</i>	12.00	
23 05 29 00-0070	EA		6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	70.95	23.89
			<i>For Work In Restricted Working Space, Add</i>	14.33	
23 05 29 00-0071	EA		8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	93.41	29.87
			<i>For Work In Restricted Working Space, Add</i>	17.92	
23 05 29 00-0072 Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) (23 05 29 00-0002)					
23 05 29 00-0073	EA		1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	28.60	11.05
			<i>For Work In Restricted Working Space, Add</i>	6.63	
23 05 29 00-0074	EA		3/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	30.40	11.95
			<i>For Work In Restricted Working Space, Add</i>	7.17	
23 05 29 00-0075	EA		1" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	31.65	11.95
			<i>For Work In Restricted Working Space, Add</i>	7.54	
23 05 29 00-0076	EA		1-1/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	32.83	12.34
			<i>For Work In Restricted Working Space, Add</i>	7.68	
23 05 29 00-0077	EA		1-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	33.54	12.73
			<i>For Work In Restricted Working Space, Add</i>	7.82	
23 05 29 00-0078	EA		2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	35.11	13.14
			<i>For Work In Restricted Working Space, Add</i>	7.96	
23 05 29 00-0079	EA		2-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	39.45	13.74
			<i>For Work In Restricted Working Space, Add</i>	8.15	
23 05 29 00-0080	EA		3" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	45.56	14.33
			<i>For Work In Restricted Working Space, Add</i>	8.43	
23 05 29 00-0081	EA		3-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	49.55	15.53
			<i>For Work In Restricted Working Space, Add</i>	8.96	
23 05 29 00-0082	EA		4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	52.25	16.72
			<i>For Work In Restricted Working Space, Add</i>	9.56	
23 05 29 00-0083	EA		5" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	65.21	20.30
			<i>For Work In Restricted Working Space, Add</i>	11.48	
23 05 29 00-0084	EA		6" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	86.31	23.89
			<i>For Work In Restricted Working Space, Add</i>	14.33	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0085		Fiberglass Clevis Hanger (23 05 29 00-0002)			
23 05 29 00-0086	EA	1-1/2" Fiberglass Clevis Hanger (Cooper BFV3104)	270.27	12.73	
23 05 29 00-0087	EA	2" Fiberglass Clevis Hanger (Cooper BFV3104)	276.49	13.26	
23 05 29 00-0088	EA	2-1/2" Fiberglass Clevis Hanger (Cooper BFV3104)	277.42	13.74	
23 05 29 00-0089	EA	3" Fiberglass Clevis Hanger (Cooper BFV3104)	318.00	14.09	
23 05 29 00-0090	EA	4" Fiberglass Clevis Hanger (Cooper BFV3104)	401.22	15.88	
23 05 29 00-0091	EA	6" Fiberglass Clevis Hanger (Cooper BFV3104)	526.68	23.89	
23 05 29 00-0092	EA	8" Fiberglass Clevis Hanger (Cooper BFP3104)	738.76	29.87	
23 05 29 00-0093	EA	10" Fiberglass Clevis Hanger (Cooper BFP3104)	864.08	39.77	
23 05 29 00-0094	EA	12" Fiberglass Clevis Hanger (Cooper BFP3104)	1,106.70	44.79	
23 05 29 00-0095		Adjustable Hangers (23 05 29 00-0001)			
23 05 29 00-0096		Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) (23 05 29 00-0095)			
		Note: Type 5.			
23 05 29 00-0097	EA	1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	21.08	9.43	
		For Work In Restricted Working Space, Add	5.66		
23 05 29 00-0098	EA	3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	23.14	10.46	
		For Work In Restricted Working Space, Add	6.27		
23 05 29 00-0099	EA	1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	25.45	11.62	
		For Work In Restricted Working Space, Add	6.97		
23 05 29 00-0100	EA	1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	28.12	12.91	
		For Work In Restricted Working Space, Add	7.75		
23 05 29 00-0101	EA	1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	29.54	13.55	
		For Work In Restricted Working Space, Add	8.13		
23 05 29 00-0102	EA	2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	31.52	14.21	
		For Work In Restricted Working Space, Add	8.52		
23 05 29 00-0103	EA	2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	35.68	14.85	
		For Work In Restricted Working Space, Add	8.91		
23 05 29 00-0104	EA	3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	37.25	15.49	
		For Work In Restricted Working Space, Add	9.29		
23 05 29 00-0105	EA	4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	43.99	17.43	
		For Work In Restricted Working Space, Add	10.46		
23 05 29 00-0106		Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0095)			
		Note: Type 10.			
23 05 29 00-0107	EA	1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	24.91	11.95	
		For Work In Restricted Working Space, Add	7.17		
		For 304 Stainless Steel, Add	6.73		
		For 316 Stainless Steel, Add	8.67		
23 05 29 00-0108	EA	3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	26.26	11.95	
		For Work In Restricted Working Space, Add	7.54		
		For 304 Stainless Steel, Add	7.39		
		For 316 Stainless Steel, Add	9.52		
23 05 29 00-0109	EA	1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	27.66	13.14	
		For Work In Restricted Working Space, Add	7.96		
		For 304 Stainless Steel, Add	7.39		
		For 316 Stainless Steel, Add	9.52		
23 05 29 00-0110	EA	1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	29.35	14.33	
		For Work In Restricted Working Space, Add	8.43		
		For 304 Stainless Steel, Add	8.25		
		For 316 Stainless Steel, Add	10.63		
23 05 29 00-0111	EA	1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	33.10	16.72	
		For Work In Restricted Working Space, Add	9.56		
		For 304 Stainless Steel, Add	8.25		
		For 316 Stainless Steel, Add	10.63		
23 05 29 00-0112	EA	2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	35.43	16.72	
		For Work In Restricted Working Space, Add	10.24		
		For 304 Stainless Steel, Add	8.65		
		For 316 Stainless Steel, Add	11.14		
23 05 29 00-0113	EA	2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	38.89	17.92	
		For Work In Restricted Working Space, Add	11.03		
		For 304 Stainless Steel, Add	14.12		
		For 316 Stainless Steel, Add	18.19		
23 05 29 00-0114	EA	3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	42.04	20.30	
		For Work In Restricted Working Space, Add	11.94		
		For 304 Stainless Steel, Add	14.72		
		For 316 Stainless Steel, Add	18.96		
23 05 29 00-0115	EA	3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	46.58	21.80	
		For Work In Restricted Working Space, Add	13.08		
		For 304 Stainless Steel, Add	19.73		
		For 316 Stainless Steel, Add	25.42		
23 05 29 00-0116	EA	4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	50.76	23.89	
		For Work In Restricted Working Space, Add	14.33		
		For 304 Stainless Steel, Add	19.73		
		For 316 Stainless Steel, Add	25.42		
23 05 29 00-0117	EA	5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	59.96	26.88	
		For Work In Restricted Working Space, Add	16.13		
		For 304 Stainless Steel, Add	40.99		
		For 316 Stainless Steel, Add	52.79		
23 05 29 00-0118	EA	6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	66.02	29.87	
		For Work In Restricted Working Space, Add	17.92		
		For 304 Stainless Steel, Add	41.58		
		For 316 Stainless Steel, Add	53.55		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0119	EA	8" Adjustable Swivel Steel Ring (Cooper B-Line B3170) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	79.16 21.50 49.43 63.67	35.83
23 05 29 00-0120 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0095)				
23 05 29 00-0121	EA	1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	27.63 7.17 24.68 31.79	11.95
23 05 29 00-0122	EA	3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	28.88 7.54 24.68 31.79	11.95
23 05 29 00-0123	EA	1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	30.28 7.96 24.68 31.79	13.14
23 05 29 00-0124	EA	1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	31.84 8.43 24.68 31.79	14.33
23 05 29 00-0125	EA	1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	35.90 9.56 26.73 34.43	16.72
23 05 29 00-0126	EA	2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	38.17 10.24 26.73 34.43	16.72
23 05 29 00-0127	EA	2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	47.38 11.03 70.16 90.36	17.92
23 05 29 00-0128	EA	3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	52.98 11.94 86.92 111.95	20.30
23 05 29 00-0129	EA	3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	57.80 13.08 93.79 120.79	21.80
23 05 29 00-0130	EA	4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	65.07 14.33 114.18 147.05	23.89
23 05 29 00-0131	EA	5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	71.29 16.13 115.76 149.09	26.88
23 05 29 00-0132	EA	6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	85.11 17.92 167.57 215.82	29.87
23 05 29 00-0133 Roller Hangers (23 05 29 00-0001)				
23 05 29 00-0134 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0133)				
Note: Excludes rod and nuts. Type 41.				
23 05 29 00-0135	EA	2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	33.60 5.74	9.56
23 05 29 00-0136	EA	2-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	37.07 6.45	10.76
23 05 29 00-0137	EA	3" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	41.52 7.53	12.55
23 05 29 00-0138	EA	3-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	47.73 8.60	14.34
23 05 29 00-0139	EA	4" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	64.35 9.68	16.13
23 05 29 00-0140	EA	5" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	58.97 10.76	17.93
23 05 29 00-0141	EA	6" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	73.03 12.91	21.51
23 05 29 00-0142	EA	8" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	96.75 15.06	25.10
23 05 29 00-0143	EA	10" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	114.75 17.93	29.88

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 05 29 00-0144 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) (23 05 29 00-0133)

Note: Type 43.

23 05 29 00-0145	EA 2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	50.93	16.87
	For Work In Restricted Working Space, Add	9.73	
	For 304 Stainless Steel, Add	122.03	
	For 316 Stainless Steel, Add	157.17	
23 05 29 00-0146	EA 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	53.26	17.39
	For Work In Restricted Working Space, Add	10.43	
	For 304 Stainless Steel, Add	122.03	
	For 316 Stainless Steel, Add	157.17	
23 05 29 00-0147	EA 3" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	57.70	18.17
	For Work In Restricted Working Space, Add	11.12	
	For 304 Stainless Steel, Add	136.09	
	For 316 Stainless Steel, Add	175.27	
23 05 29 00-0148	EA 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	66.38	19.47
	For Work In Restricted Working Space, Add	11.68	
	For 304 Stainless Steel, Add	181.17	
	For 316 Stainless Steel, Add	233.33	
23 05 29 00-0149	EA 4" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	70.71	22.06
	For Work In Restricted Working Space, Add	12.98	
	For 304 Stainless Steel, Add	181.17	
	For 316 Stainless Steel, Add	233.33	
23 05 29 00-0150	EA 5" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	79.55	23.74
	For Work In Restricted Working Space, Add	14.25	
	For 304 Stainless Steel, Add	211.53	
	For 316 Stainless Steel, Add	272.43	
23 05 29 00-0151	EA 6" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	91.71	25.96
	For Work In Restricted Working Space, Add	15.57	
	For 304 Stainless Steel, Add	262.68	
	For 316 Stainless Steel, Add	338.30	
23 05 29 00-0152	EA 8" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	124.45	32.44
	For Work In Restricted Working Space, Add	19.46	
	For 304 Stainless Steel, Add	393.16	
	For 316 Stainless Steel, Add	506.35	
23 05 29 00-0153	EA 10" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	157.47	44.13
	For Work In Restricted Working Space, Add	25.95	
	For 304 Stainless Steel, Add	468.34	
	For 316 Stainless Steel, Add	603.16	
23 05 29 00-0154	EA 12" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	201.64	48.66
	For Work In Restricted Working Space, Add	29.20	
	For 304 Stainless Steel, Add	688.51	
	For 316 Stainless Steel, Add	886.72	
23 05 29 00-0155	EA 14" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	400.69	55.80
	For Work In Restricted Working Space, Add	33.48	
	For 304 Stainless Steel, Add	1,907.99	
	For 316 Stainless Steel, Add	2,457.27	
23 05 29 00-0156	EA 16" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	500.86	64.88
	For Work In Restricted Working Space, Add	38.93	
	For 304 Stainless Steel, Add	2,449.19	
	For 316 Stainless Steel, Add	3,154.27	

23 05 29 00-0157 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0133)

23 05 29 00-0158	EA 2" Steel Roller Chair (Cooper B-Line B3120).....	49.71	16.87
	For Work In Restricted Working Space, Add	9.73	
23 05 29 00-0159	EA 2-1/2" Steel Roller Chair (Cooper B-Line B3120).....	53.52	17.39
	For Work In Restricted Working Space, Add	10.43	
23 05 29 00-0160	EA 3" Steel Roller Chair (Cooper B-Line B3120).....	56.26	18.17
	For Work In Restricted Working Space, Add	11.12	
23 05 29 00-0161	EA 3-1/2" Steel Roller Chair (Cooper B-Line B3120).....	63.36	19.47
	For Work In Restricted Working Space, Add	11.68	
23 05 29 00-0162	EA 4" Steel Roller Chair (Cooper B-Line B3120).....	70.58	22.06
	For Work In Restricted Working Space, Add	12.98	
23 05 29 00-0163	EA 5" Steel Roller Chair (Cooper B-Line B3120).....	77.18	23.74
	For Work In Restricted Working Space, Add	14.25	
23 05 29 00-0164	EA 6" Steel Roller Chair (Cooper B-Line B3120).....	93.25	25.96
	For Work In Restricted Working Space, Add	15.57	
23 05 29 00-0165	EA 8" Steel Roller Chair (Cooper B-Line B3120).....	120.77	32.44
	For Work In Restricted Working Space, Add	19.46	
23 05 29 00-0166	EA 10" Steel Roller Chair (Cooper B-Line B3120).....	156.62	44.13
	For Work In Restricted Working Space, Add	25.95	
23 05 29 00-0167	EA 12" Steel Roller Chair (Cooper B-Line B3120).....	199.41	48.66
	For Work In Restricted Working Space, Add	29.20	
23 05 29 00-0168	EA 14" Steel Roller Chair (Cooper B-Line B3120).....	218.68	55.80
	For Work In Restricted Working Space, Add	33.48	
23 05 29 00-0169	EA 16" Steel Roller Chair (Cooper B-Line B3120).....	262.69	64.88
	For Work In Restricted Working Space, Add	38.93	
23 05 29 00-0170	EA 18" Steel Roller Chair (Cooper B-Line B3120).....	351.48	81.10
	For Work In Restricted Working Space, Add	48.66	
23 05 29 00-0171	EA 20" Steel Roller Chair (Cooper B-Line B3120).....	433.67	97.32
	For Work In Restricted Working Space, Add	58.40	

23 05 29 00-0172 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0133)

23 05 29 00-0173	EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	55.40	16.87
	For Work In Restricted Working Space, Add	9.73	
23 05 29 00-0174	EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	61.93	17.39
	For Work In Restricted Working Space, Add	10.43	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0175	EA	3" Steel Adjustable Roller Support (Cooper B-Line B3122)	65.22	18.17
		<i>For Work In Restricted Working Space, Add</i>	11.12	
23 05 29 00-0176	EA	3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	68.85	19.47
		<i>For Work In Restricted Working Space, Add</i>	11.68	
23 05 29 00-0177	EA	4" Steel Adjustable Roller Support (Cooper B-Line B3122)	82.07	22.06
		<i>For Work In Restricted Working Space, Add</i>	12.98	
23 05 29 00-0178	EA	5" Steel Adjustable Roller Support (Cooper B-Line B3122)	92.75	23.74
		<i>For Work In Restricted Working Space, Add</i>	14.25	
23 05 29 00-0179	EA	6" Steel Adjustable Roller Support (Cooper B-Line B3122)	107.31	25.96
		<i>For Work In Restricted Working Space, Add</i>	15.57	
23 05 29 00-0180	EA	8" Steel Adjustable Roller Support (Cooper B-Line B3122)	149.70	32.44
		<i>For Work In Restricted Working Space, Add</i>	19.46	
23 05 29 00-0181	EA	10" Steel Adjustable Roller Support (Cooper B-Line B3122)	187.81	44.13
		<i>For Work In Restricted Working Space, Add</i>	25.95	
23 05 29 00-0182	EA	12" Steel Adjustable Roller Support (Cooper B-Line B3122)	216.68	48.66
		<i>For Work In Restricted Working Space, Add</i>	29.20	
23 05 29 00-0183	EA	14" Steel Adjustable Roller Support (Cooper B-Line B3122)	301.37	55.80
		<i>For Work In Restricted Working Space, Add</i>	33.48	
23 05 29 00-0184	EA	16" Steel Adjustable Roller Support (Cooper B-Line B3122)	360.48	64.88
		<i>For Work In Restricted Working Space, Add</i>	38.93	
23 05 29 00-0185	EA	18" Steel Adjustable Roller Support (Cooper B-Line B3122)	412.33	81.10
		<i>For Work In Restricted Working Space, Add</i>	48.66	
23 05 29 00-0186 Adjustable Double Roller Support (Cooper B-Line B3122A) (23 05 29 00-0133)				
23 05 29 00-0187	EA	2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	55.72	16.87
		<i>For Work In Restricted Working Space, Add</i>	9.73	
23 05 29 00-0188	EA	2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	62.22	17.39
		<i>For Work In Restricted Working Space, Add</i>	10.43	
23 05 29 00-0189	EA	3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	65.71	18.17
		<i>For Work In Restricted Working Space, Add</i>	11.12	
23 05 29 00-0190	EA	3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	68.42	19.47
		<i>For Work In Restricted Working Space, Add</i>	11.68	
23 05 29 00-0191	EA	4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	85.39	22.06
		<i>For Work In Restricted Working Space, Add</i>	12.98	
23 05 29 00-0192	EA	5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	96.66	23.74
		<i>For Work In Restricted Working Space, Add</i>	14.25	
23 05 29 00-0193	EA	6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	111.97	25.96
		<i>For Work In Restricted Working Space, Add</i>	15.57	
23 05 29 00-0194	EA	8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	156.92	32.44
		<i>For Work In Restricted Working Space, Add</i>	19.46	
23 05 29 00-0195	EA	10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	196.48	44.13
		<i>For Work In Restricted Working Space, Add</i>	25.95	
23 05 29 00-0196	EA	12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	226.83	48.66
		<i>For Work In Restricted Working Space, Add</i>	29.20	
23 05 29 00-0197	EA	14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	317.59	55.80
		<i>For Work In Restricted Working Space, Add</i>	33.48	
23 05 29 00-0198 Pipe And Riser Clamps (23 05 29 00-0001)				
Note: Includes bolts and weldless eye nuts.				
23 05 29 00-0199 Steel Pipe Clamp (Cooper B-Line B3140) (23 05 29 00-0198)				
Note: Type 4.				
23 05 29 00-0200	EA	1/2" Steel Pipe Clamp (Cooper B-Line B3140)	19.79	7.75
		<i>For Work In Restricted Working Space, Add</i>	4.65	
23 05 29 00-0201	EA	3/4" Steel Pipe Clamp (Cooper B-Line B3140)	20.05	7.87
		<i>For Work In Restricted Working Space, Add</i>	4.73	
23 05 29 00-0202	EA	1" Steel Pipe Clamp (Cooper B-Line B3140)	20.34	8.00
		<i>For Work In Restricted Working Space, Add</i>	4.80	
23 05 29 00-0203	EA	1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)	21.91	8.13
		<i>For Work In Restricted Working Space, Add</i>	4.88	
23 05 29 00-0204	EA	1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	22.17	8.26
		<i>For Work In Restricted Working Space, Add</i>	4.96	
23 05 29 00-0205	EA	2" Steel Pipe Clamp (Cooper B-Line B3140)	23.42	8.39
		<i>For Work In Restricted Working Space, Add</i>	5.04	
23 05 29 00-0206	EA	2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	24.33	8.65
		<i>For Work In Restricted Working Space, Add</i>	5.19	
23 05 29 00-0207	EA	3" Steel Pipe Clamp (Cooper B-Line B3140)	25.67	8.90
		<i>For Work In Restricted Working Space, Add</i>	5.35	
23 05 29 00-0208	EA	3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	29.17	9.04
		<i>For Work In Restricted Working Space, Add</i>	5.42	
23 05 29 00-0209	EA	4" Steel Pipe Clamp (Cooper B-Line B3140)	34.34	11.62
		<i>For Work In Restricted Working Space, Add</i>	6.97	
23 05 29 00-0210	EA	5" Steel Pipe Clamp (Cooper B-Line B3140)	48.71	15.49
		<i>For Work In Restricted Working Space, Add</i>	9.29	
23 05 29 00-0211	EA	6" Steel Pipe Clamp (Cooper B-Line B3140)	65.92	19.37
		<i>For Work In Restricted Working Space, Add</i>	11.62	
23 05 29 00-0212	EA	8" Steel Pipe Clamp (Cooper B-Line B3140)	77.50	22.59
		<i>For Work In Restricted Working Space, Add</i>	13.56	
23 05 29 00-0213	EA	10" Steel Pipe Clamp (Cooper B-Line B3140)	109.89	25.82
		<i>For Work In Restricted Working Space, Add</i>	15.49	
23 05 29 00-0214	EA	12" Steel Pipe Clamp (Cooper B-Line B3140)	146.90	28.40
		<i>For Work In Restricted Working Space, Add</i>	17.04	
23 05 29 00-0215	EA	14" Steel Pipe Clamp (Cooper B-Line B3140)	231.08	30.98
		<i>For Work In Restricted Working Space, Add</i>	18.59	
23 05 29 00-0216	EA	16" Steel Pipe Clamp (Cooper B-Line B3140)	250.46	33.57
		<i>For Work In Restricted Working Space, Add</i>	20.14	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 05 29 00-0217	EA	18" Steel Pipe Clamp (Cooper B-Line B3140)	.....	398.89	36.15
		<i>For Work In Restricted Working Space, Add</i>		21.69	
23 05 29 00-0218	EA	20" Steel Pipe Clamp (Cooper B-Line B3140)	.....	459.94	38.73
		<i>For Work In Restricted Working Space, Add</i>		23.24	
23 05 29 00-0219	EA	24" Steel Pipe Clamp (Cooper B-Line B3140)	.....	596.02	42.61
		<i>For Work In Restricted Working Space, Add</i>		25.56	
23 05 29 00-0220 Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) (23 05 29 00-0198)					
23 05 29 00-0221	EA	3" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	.....	37.25	8.36
		<i>For Work In Restricted Working Space, Add</i>		4.98	
23 05 29 00-0222	EA	4" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	.....	47.85	8.36
		<i>For Work In Restricted Working Space, Add</i>		4.98	
23 05 29 00-0223	EA	5" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	.....	52.34	8.66
		<i>For Work In Restricted Working Space, Add</i>		5.19	
23 05 29 00-0224	EA	6" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	.....	81.60	8.96
		<i>For Work In Restricted Working Space, Add</i>		5.41	
23 05 29 00-0225	EA	8" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	.....	88.67	9.55
		<i>For Work In Restricted Working Space, Add</i>		5.73	
23 05 29 00-0226	EA	10" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	.....	149.02	9.55
		<i>For Work In Restricted Working Space, Add</i>		5.72	
23 05 29 00-0227	EA	12" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	.....	239.22	10.75
		<i>For Work In Restricted Working Space, Add</i>		6.44	
23 05 29 00-0228	EA	14" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	.....	302.80	11.95
		<i>For Work In Restricted Working Space, Add</i>		7.17	
23 05 29 00-0229	EA	16" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	.....	329.82	14.33
		<i>For Work In Restricted Working Space, Add</i>		8.60	
23 05 29 00-0230	EA	18" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	.....	1,013.98	16.72
		<i>For Work In Restricted Working Space, Add</i>		10.03	
23 05 29 00-0231	EA	20" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	.....	1,164.99	17.92
		<i>For Work In Restricted Working Space, Add</i>		10.75	
23 05 29 00-0232	EA	24" Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	.....	1,490.62	19.11
		<i>For Work In Restricted Working Space, Add</i>		11.47	
23 05 29 00-0233 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0198)					
Note: Type 8.					
23 05 29 00-0234	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373)	.....	19.72	7.17
		<i>For Work In Restricted Working Space, Add</i>		4.30	
23 05 29 00-0235	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373)	.....	20.46	7.29
		<i>For Work In Restricted Working Space, Add</i>		4.37	
23 05 29 00-0236	EA	1" Steel Riser Clamp (Cooper B-Line B3373)	.....	20.76	7.41
		<i>For Work In Restricted Working Space, Add</i>		4.44	
23 05 29 00-0237	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	.....	22.24	7.53
		<i>For Work In Restricted Working Space, Add</i>		4.52	
23 05 29 00-0238	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	.....	23.04	7.64
		<i>For Work In Restricted Working Space, Add</i>		4.59	
23 05 29 00-0239	EA	2" Steel Riser Clamp (Cooper B-Line B3373)	.....	23.58	7.76
		<i>For Work In Restricted Working Space, Add</i>		4.66	
23 05 29 00-0240	EA	2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	.....	24.54	8.00
		<i>For Work In Restricted Working Space, Add</i>		4.80	
23 05 29 00-0241	EA	3" Steel Riser Clamp (Cooper B-Line B3373)	.....	25.92	8.24
		<i>For Work In Restricted Working Space, Add</i>		4.95	
23 05 29 00-0242	EA	3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	.....	28.18	8.36
		<i>For Work In Restricted Working Space, Add</i>		5.02	
23 05 29 00-0243	EA	4" Steel Riser Clamp (Cooper B-Line B3373)	.....	34.48	10.75
		<i>For Work In Restricted Working Space, Add</i>		6.45	
23 05 29 00-0244	EA	5" Steel Riser Clamp (Cooper B-Line B3373)	.....	44.76	14.33
		<i>For Work In Restricted Working Space, Add</i>		8.60	
23 05 29 00-0245	EA	6" Steel Riser Clamp (Cooper B-Line B3373)	.....	56.65	17.92
		<i>For Work In Restricted Working Space, Add</i>		10.75	
23 05 29 00-0246	EA	8" Steel Riser Clamp (Cooper B-Line B3373)	.....	75.88	20.91
		<i>For Work In Restricted Working Space, Add</i>		12.54	
23 05 29 00-0247	EA	10" Steel Riser Clamp (Cooper B-Line B3373)	.....	98.21	23.89
		<i>For Work In Restricted Working Space, Add</i>		14.33	
23 05 29 00-0248	EA	12" Steel Riser Clamp (Cooper B-Line B3373)	.....	117.70	26.28
		<i>For Work In Restricted Working Space, Add</i>		15.77	
23 05 29 00-0249	EA	14" Steel Riser Clamp (Cooper B-Line B3373)	.....	155.35	28.67
		<i>For Work In Restricted Working Space, Add</i>		17.20	
23 05 29 00-0250	EA	16" Steel Riser Clamp (Cooper B-Line B3373)	.....	285.86	31.05
		<i>For Work In Restricted Working Space, Add</i>		18.63	
23 05 29 00-0251 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0198)					
23 05 29 00-0252	EA	1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	.....	32.52	7.17
		<i>For Work In Restricted Working Space, Add</i>		4.30	
23 05 29 00-0253	EA	3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	.....	33.03	7.29
		<i>For Work In Restricted Working Space, Add</i>		4.37	
23 05 29 00-0254	EA	1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	.....	34.31	7.41
		<i>For Work In Restricted Working Space, Add</i>		4.44	
23 05 29 00-0255	EA	1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	.....	36.53	7.53
		<i>For Work In Restricted Working Space, Add</i>		4.52	
23 05 29 00-0256	EA	1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	.....	40.90	7.64
		<i>For Work In Restricted Working Space, Add</i>		4.59	
23 05 29 00-0257	EA	2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	.....	43.31	7.76
		<i>For Work In Restricted Working Space, Add</i>		4.66	
23 05 29 00-0258	EA	2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	.....	46.70	8.00
		<i>For Work In Restricted Working Space, Add</i>		4.80	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 05 29 00-0259	EA 3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	51.10 4.95		8.24
23 05 29 00-0260	EA 4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) <i>For Work In Restricted Working Space, Add</i>	69.02 6.45		10.75
23 05 29 00-0261 Copper Tubing Riser Clamp (Cooper B-Line B3373CT) (23 05 29 00-0198)				
23 05 29 00-0262	EA 1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	34.09		7.17
23 05 29 00-0263	EA 3/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	34.34		7.29
23 05 29 00-0264	EA 1" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	34.57		7.41
23 05 29 00-0265	EA 1-1/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	35.45		7.53
23 05 29 00-0266	EA 1-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	40.20		7.64
23 05 29 00-0267	EA 2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	41.80		7.76
23 05 29 00-0268	EA 2-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	46.94		8.00
23 05 29 00-0269	EA 3" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	52.28		8.24
23 05 29 00-0270	EA 3-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	64.25		8.36
23 05 29 00-0271	EA 4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	69.51		10.75
23 05 29 00-0272	EA 5" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	92.42		14.33
23 05 29 00-0273	EA 6" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	117.95		17.92
23 05 29 00-0274 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0198)				
Note: Type 42				
23 05 29 00-0275	EA 4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	69.99 4.98		8.36
23 05 29 00-0276	EA 6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	74.38 5.41		8.96
23 05 29 00-0277	EA 8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	81.53 5.73		9.55
23 05 29 00-0278	EA 10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	86.76 5.72		9.55
23 05 29 00-0279	EA 12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	104.64 6.44		10.75
23 05 29 00-0280	EA 14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	316.26 7.17		11.95
23 05 29 00-0281	EA 16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	423.01 8.60		14.33
23 05 29 00-0282	EA 18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	503.89 10.03		16.72
23 05 29 00-0283	EA 20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	731.42 10.75		17.92
23 05 29 00-0284	EA 24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132) <i>For Work In Restricted Working Space, Add</i>	1,005.83 11.47		19.11
23 05 29 00-0285 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0198)				
23 05 29 00-0286	EA 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	64.86 4.98		8.36
23 05 29 00-0287	EA 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	69.98 5.41		8.96
23 05 29 00-0288	EA 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	119.77 5.73		9.55
23 05 29 00-0289	EA 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	132.73 5.72		9.55
23 05 29 00-0290	EA 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	189.41 6.44		10.75
23 05 29 00-0291	EA 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	288.59 7.17		11.95
23 05 29 00-0292	EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	386.43 8.60		14.33
23 05 29 00-0293	EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	459.79 10.03		16.72
23 05 29 00-0294	EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	669.48 10.75		17.92
23 05 29 00-0295	EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)..... <i>For Work In Restricted Working Space, Add</i>	914.14 11.47		19.11
23 05 29 00-0296 Split Pipe Clamps And Rings (23 05 29 00-0001)				
23 05 29 00-0297 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0296)				
Note: Type 6.				
23 05 29 00-0298	EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	32.30 6.59		10.97
23 05 29 00-0299	EA 1" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	34.21 6.97		11.62
23 05 29 00-0300	EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	37.31 7.75		12.91
23 05 29 00-0301	EA 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	40.05 8.13		13.55
23 05 29 00-0302	EA 2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	43.08 8.52		14.21
23 05 29 00-0303	EA 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	52.06 8.91		14.85
23 05 29 00-0304	EA 3" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	56.79 9.29		15.49
23 05 29 00-0305	EA 4" Adjustable Swivel Ring (Cooper B-Line B3171) <i>For Work In Restricted Working Space, Add</i>	74.23 10.46		17.43

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 05 29 00-0306	EA	5" Adjustable Swivel Ring (Cooper B-Line B3171)	.....	94.30	21.95
		<i>For Work In Restricted Working Space, Add</i>		13.17	
23 05 29 00-0307	EA	6" Adjustable Swivel Ring (Cooper B-Line B3171)	.....	124.60	25.82
		<i>For Work In Restricted Working Space, Add</i>		15.49	
23 05 29 00-0308 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0296)					
		Note: Type 11.			
23 05 29 00-0309	EA	1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	.....	21.88	9.08
		<i>For Work In Restricted Working Space, Add</i>		5.56	
23 05 29 00-0310	EA	3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	.....	23.04	9.08
		<i>For Work In Restricted Working Space, Add</i>		5.81	
23 05 29 00-0311	EA	1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	.....	25.43	11.67
		<i>For Work In Restricted Working Space, Add</i>		6.49	
23 05 29 00-0312	EA	1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	.....	27.49	11.67
		<i>For Work In Restricted Working Space, Add</i>		6.83	
23 05 29 00-0313	EA	1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	.....	30.31	11.67
		<i>For Work In Restricted Working Space, Add</i>		7.07	
23 05 29 00-0314	EA	2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	.....	35.11	12.97
		<i>For Work In Restricted Working Space, Add</i>		7.79	
23 05 29 00-0315	EA	2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	.....	45.31	12.97
		<i>For Work In Restricted Working Space, Add</i>		8.11	
23 05 29 00-0316	EA	3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	.....	50.00	14.27
		<i>For Work In Restricted Working Space, Add</i>		8.46	
23 05 29 00-0317	EA	4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	.....	53.42	15.57
		<i>For Work In Restricted Working Space, Add</i>		9.27	
23 05 29 00-0318 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0296)					
		Note: Type 12.			
23 05 29 00-0319	EA	1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	.....	21.88	9.08
		<i>For Work In Restricted Working Space, Add</i>		5.56	
23 05 29 00-0320	EA	3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	.....	23.04	9.73
		<i>For Work In Restricted Working Space, Add</i>		5.81	
23 05 29 00-0321	EA	1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	.....	25.43	11.03
		<i>For Work In Restricted Working Space, Add</i>		6.49	
23 05 29 00-0322	EA	1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	.....	27.49	11.67
		<i>For Work In Restricted Working Space, Add</i>		6.83	
23 05 29 00-0323	EA	1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	.....	30.31	11.67
		<i>For Work In Restricted Working Space, Add</i>		7.07	
23 05 29 00-0324	EA	2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	.....	35.11	12.97
		<i>For Work In Restricted Working Space, Add</i>		7.79	
23 05 29 00-0325	EA	2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	.....	45.31	13.62
		<i>For Work In Restricted Working Space, Add</i>		8.11	
23 05 29 00-0326	EA	3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	.....	50.00	14.27
		<i>For Work In Restricted Working Space, Add</i>		8.46	
23 05 29 00-0327 Pipe Straps (23 05 29 00-0001)					
23 05 29 00-0328 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) (23 05 29 00-0327)					
23 05 29 00-0329	EA	1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	.....	14.95	6.49
		<i>For Work In Restricted Working Space, Add</i>		3.89	
23 05 29 00-0330	EA	3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	.....	15.63	7.79
		<i>For Work In Restricted Working Space, Add</i>		4.10	
23 05 29 00-0331	EA	1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	.....	16.40	7.79
		<i>For Work In Restricted Working Space, Add</i>		4.33	
23 05 29 00-0332	EA	1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	.....	17.34	7.79
		<i>For Work In Restricted Working Space, Add</i>		4.58	
23 05 29 00-0333	EA	1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	.....	18.36	9.08
		<i>For Work In Restricted Working Space, Add</i>		4.87	
23 05 29 00-0334	EA	2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	.....	20.82	9.08
		<i>For Work In Restricted Working Space, Add</i>		5.19	
23 05 29 00-0335	EA	2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	.....	24.90	9.08
		<i>For Work In Restricted Working Space, Add</i>		5.56	
23 05 29 00-0336	EA	3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	.....	31.09	9.08
		<i>For Work In Restricted Working Space, Add</i>		5.99	
23 05 29 00-0337	EA	4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	.....	36.77	11.67
		<i>For Work In Restricted Working Space, Add</i>		7.01	
23 05 29 00-0338	EA	6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	.....	44.45	12.97
		<i>For Work In Restricted Working Space, Add</i>		7.79	
23 05 29 00-0339	EA	8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	.....	54.58	14.27
		<i>For Work In Restricted Working Space, Add</i>		8.56	
23 05 29 00-0340 Two Hole Copper-Clad Pipe Straps (23 05 29 00-0327)					
23 05 29 00-0341	EA	1/2" Two Hole Copper-Clad Pipe Strap	.....	7.16	
		<i>For Work In Restricted Working Space, Add</i>		1.95	
23 05 29 00-0342	EA	3/4" Two Hole Copper-Clad Pipe Strap	.....	7.60	
		<i>For Work In Restricted Working Space, Add</i>		2.04	
23 05 29 00-0343	EA	1" Two Hole Copper-Clad Pipe Strap	.....	8.51	
		<i>For Work In Restricted Working Space, Add</i>		2.14	
23 05 29 00-0344	EA	1-1/4" Two Hole Copper-Clad Pipe Strap	.....	9.45	
		<i>For Work In Restricted Working Space, Add</i>		2.24	
23 05 29 00-0345	EA	1-1/2" Two Hole Copper-Clad Pipe Strap	.....	10.16	
		<i>For Work In Restricted Working Space, Add</i>		2.34	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0346	EA	2" Two Hole Copper-Clad Pipe Strap <i>For Work In Restricted Working Space, Add</i>	11.02 2.53	
23 05 29 00-0347		One Hole Galvanized Steel Pipe Straps (23 05 29 00-0327)		
23 05 29 00-0348	EA	1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D)..... <i>For Work In Restricted Working Space, Add</i>	3.04 0.65	
23 05 29 00-0349	EA	3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D)..... <i>For Work In Restricted Working Space, Add</i>	3.56 0.69	
23 05 29 00-0350	EA	1" One Hole Galvanized Steel Pipe Strap (Anvil 185D)..... <i>For Work In Restricted Working Space, Add</i>	3.84 0.75	
23 05 29 00-0351	EA	1-1/4" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	4.13 0.81	
23 05 29 00-0352	EA	1-1/2" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	4.44 0.89	
23 05 29 00-0353	EA	2" Galvanized Steel Strap, 1 Hole <i>For Work In Restricted Working Space, Add</i>	4.94 0.97	
23 05 29 00-0354		Pipe and Equipment Support Brackets (23 05 29 00-0001)		
23 05 29 00-0355		Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) (23 05 29 00-0354) Note: Up to 750# load.		
23 05 29 00-0356	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.44 17.75 8.60	14.33
23 05 29 00-0357	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.06 18.08 8.60	14.33
23 05 29 00-0358	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.48 19.36 8.60	14.33
23 05 29 00-0359		Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) (23 05 29 00-0354) Note: Up to 1500# load.		
23 05 29 00-0360	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	274.28 49.12 8.60	14.33
23 05 29 00-0361	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	320.45 58.36 8.60	14.33
23 05 29 00-0362	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	414.60 77.19 8.60	14.33
23 05 29 00-0363		Fiberglass Brackets (23 05 29 00-0354)		
23 05 29 00-0364		Polyester Resin (23 05 29 00-0363) Note: (B-Line BFP409 Series), single channel bracket.		
23 05 29 00-0365	EA	6" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	324.49	11.95
23 05 29 00-0366	EA	9" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	342.12	13.14
23 05 29 00-0367	EA	12" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	359.75	14.33
23 05 29 00-0368	EA	18" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	407.07	14.93
23 05 29 00-0369	EA	24" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	451.07	15.53
23 05 29 00-0370		Vinyl Ester Resin (23 05 29 00-0363) Note: (B-Line BFV409 Series), single channel bracket.		
23 05 29 00-0371	EA	6" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	414.67	11.95
23 05 29 00-0372	EA	9" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	437.24	13.14
23 05 29 00-0373	EA	12" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	460.22	14.33
23 05 29 00-0374	EA	18" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	520.31	14.93
23 05 29 00-0375	EA	24" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	583.67	15.53
23 05 29 00-0376		Polyester Resin (23 05 29 00-0363) Note: (B-Line BFP494 Series), braced single channel bracket.		
23 05 29 00-0377	EA	24" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	503.37	15.53
23 05 29 00-0378	EA	30" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	520.18	16.72
23 05 29 00-0379	EA	36" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	555.50	17.92
23 05 29 00-0380		Vinyl Ester Resin (23 05 29 00-0363) Note: (B-Line BFV494 Series), braced single channel bracket.		
23 05 29 00-0381	EA	24" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	645.85	15.53
23 05 29 00-0382	EA	30" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	674.18	16.72
23 05 29 00-0383	EA	36" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	711.98	17.92
23 05 29 00-0384		Pipe Alignment Guide (23 05 29 00-0001)		
23 05 29 00-0385		Pipe Alignment Guide, 1" Insulation (23 05 29 00-0384)		
23 05 29 00-0386	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2).....	458.19	22.70

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0387	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	459.38	23.29
23 05 29 00-0388	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	460.57	23.89
23 05 29 00-0389	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	461.77	24.49
23 05 29 00-0390	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	503.18	25.08
23 05 29 00-0391	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	514.20	27.47
23 05 29 00-0392	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	515.99	28.37
23 05 29 00-0393	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	517.78	29.26
23 05 29 00-0394	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	548.05	31.05
23 05 29 00-0395	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	640.49	39.42
23 05 29 00-0396	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	657.20	47.77
23 05 29 00-0397	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	743.24	59.72
23 05 29 00-0398	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,357.61	71.67
23 05 29 00-0399	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	2,060.37	95.55
23 05 29 00-0400	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	2,536.20	119.44
23 05 29 00-0401	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	3,047.36	133.77
23 05 29 00-0402	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	3,288.98	149.31
23 05 29 00-0403	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	3,500.62	170.80
23 05 29 00-0404	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	4,395.20	179.16

23 05 29 00-0405 Pipe Alignment Guide, 1-1/2" Insulation (23 05 29 00-0384)

23 05 29 00-0406	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	459.38	23.29
23 05 29 00-0407	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	500.78	23.89
23 05 29 00-0408	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	501.98	24.49
23 05 29 00-0409	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	503.18	25.08
23 05 29 00-0410	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	504.37	25.68
23 05 29 00-0411	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	515.40	28.07
23 05 29 00-0412	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	517.19	28.97
23 05 29 00-0413	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	545.66	29.87
23 05 29 00-0414	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	549.24	31.65
23 05 29 00-0415	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	642.28	40.31
23 05 29 00-0416	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	659.59	48.97
23 05 29 00-0417	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	746.23	61.21
23 05 29 00-0418	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,361.19	73.46
23 05 29 00-0419	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	2,065.14	97.94
23 05 29 00-0420	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	2,542.17	122.43
23 05 29 00-0421	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,054.53	137.36
23 05 29 00-0422	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	3,296.15	152.89
23 05 29 00-0423	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	3,508.99	174.98
23 05 29 00-0424	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	4,404.16	183.64

23 05 29 00-0425 Pipe Alignment Guide, 2" Insulation (23 05 29 00-0384)

23 05 29 00-0426	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	500.78	23.89
23 05 29 00-0427	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	508.23	24.49
23 05 29 00-0428	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	509.43	25.08
23 05 29 00-0429	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	510.62	25.68
23 05 29 00-0430	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	511.81	26.28
23 05 29 00-0431	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	543.27	28.67
23 05 29 00-0432	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	545.66	29.87
23 05 29 00-0433	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	547.15	30.61
23 05 29 00-0434	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	626.15	32.25
23 05 29 00-0435	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	644.07	41.21
23 05 29 00-0436	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	724.13	50.17
23 05 29 00-0437	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	818.05	62.71
23 05 29 00-0438	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,364.77	75.25
23 05 29 00-0439	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	2,069.92	100.33
23 05 29 00-0440	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	2,548.15	125.41
23 05 29 00-0441	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	3,061.42	140.81
23 05 29 00-0442	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	3,303.91	156.76
23 05 29 00-0443	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	3,517.34	179.16
23 05 29 00-0444	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	4,413.12	188.12

23 05 29 00-0445 Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0384)

23 05 29 00-0446	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	508.23	24.49
23 05 29 00-0447	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	536.11	25.08
23 05 29 00-0448	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	537.30	25.68
23 05 29 00-0449	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	538.49	26.28
23 05 29 00-0450	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	539.69	26.88
23 05 29 00-0451	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	544.46	29.26
23 05 29 00-0452	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	547.15	30.61
23 05 29 00-0453	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	624.36	31.35
23 05 29 00-0454	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	627.34	32.84
23 05 29 00-0455	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	707.41	41.80
23 05 29 00-0456	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	726.52	51.36
23 05 29 00-0457	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,342.68	64.20
23 05 29 00-0458	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	2,023.34	77.04
23 05 29 00-0459	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	2,502.76	102.72
23 05 29 00-0460	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	2,554.55	128.40
23 05 29 00-0461	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	3,068.86	144.52
23 05 29 00-0462	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	3,311.68	160.65
23 05 29 00-0463	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	3,526.30	183.64
23 05 29 00-0464	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	4,422.67	192.90

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 05 29 00-0465 Pipe Alignment Guide, 3" Insulation (23 05 29 00-0384)				
23 05 29 00-0466	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2).....	536.11	25.08
23 05 29 00-0467	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4).....	537.30	25.68
23 05 29 00-0468	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1).....	538.49	26.28
23 05 29 00-0469	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4).....	539.69	26.88
23 05 29 00-0470	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2).....	540.88	27.47
23 05 29 00-0471	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2).....	621.37	29.87
23 05 29 00-0472	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2).....	624.36	31.35
23 05 29 00-0473	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3).....	626.15	32.25
23 05 29 00-0474	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4).....	691.16	33.68
23 05 29 00-0475	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5).....	709.80	43.00
23 05 29 00-0476	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6).....	797.75	52.55
23 05 29 00-0477	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8).....	1,345.67	65.69
23 05 29 00-0478	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10).....	2,026.92	78.84
23 05 29 00-0479	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12).....	2,507.53	105.11
23 05 29 00-0480	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14).....	2,560.52	131.39
23 05 29 00-0481	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16).....	3,076.03	148.11
23 05 29 00-0482	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18).....	3,318.85	164.23
23 05 29 00-0483	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20).....	3,535.26	188.12
23 05 29 00-0484	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24).....	4,432.23	197.67
23 05 29 00-0485 Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0384)				
23 05 29 00-0486	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2).....	537.30	25.68
23 05 29 00-0487	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4).....	614.20	26.28
23 05 29 00-0488	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1).....	615.40	26.88
23 05 29 00-0489	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4).....	616.59	27.47
23 05 29 00-0490	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2).....	617.79	28.07
23 05 29 00-0491	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2).....	622.86	30.61
23 05 29 00-0492	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2).....	625.91	32.13
23 05 29 00-0493	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3).....	689.91	33.06
23 05 29 00-0494	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4).....	693.07	34.64
23 05 29 00-0495	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5).....	781.03	44.19
23 05 29 00-0496	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6).....	1,321.77	53.75
23 05 29 00-0497	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	2,003.63	67.19
23 05 29 00-0498	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	2,459.36	80.80
23 05 29 00-0499	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	2,994.80	107.49
23 05 29 00-0500	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	3,049.15	134.67
23 05 29 00-0501	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	3,303.69	151.69
23 05 29 00-0502	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	3,495.84	168.41
23 05 29 00-0503	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	4,421.48	192.30
23 05 29 00-0504 Pipe Alignment Guide, 4" Insulation (23 05 29 00-0384)				
23 05 29 00-0505	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2).....	614.20	26.28
23 05 29 00-0506	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4).....	615.40	26.88
23 05 29 00-0507	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1).....	616.59	27.47
23 05 29 00-0508	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4).....	617.79	28.07
23 05 29 00-0509	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2).....	618.98	28.67
23 05 29 00-0510	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	686.51	31.35
23 05 29 00-0511	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	689.49	32.84
23 05 29 00-0512	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	691.52	33.86
23 05 29 00-0513	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	763.70	35.53
23 05 29 00-0514	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	1,305.05	45.39
23 05 29 00-0515	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	1,324.17	54.94
23 05 29 00-0516	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	2,006.62	68.68
23 05 29 00-0517	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	2,463.77	83.01
23 05 29 00-0518	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	3,000.18	110.18
23 05 29 00-0519	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	3,265.10	137.36
23 05 29 00-0520	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	3,469.57	155.27
23 05 29 00-0521	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	4,383.26	173.19
23 05 29 00-0522 Sway Bracing For No Hub Pipe (23 05 29 00-0001)				
23 05 29 00-0523	EA	1-1/2" Sway Bracing	158.24	15.76
		For Work In Restricted Working Space, Add	9.43	
23 05 29 00-0524	EA	2" Sway Bracing	163.00	16.60
		For Work In Restricted Working Space, Add	9.95	
23 05 29 00-0525	EA	3" Sway Bracing	168.80	17.55
		For Work In Restricted Working Space, Add	10.54	
23 05 29 00-0526	EA	4" Sway Bracing	191.60	19.95
		For Work In Restricted Working Space, Add	11.94	
23 05 29 00-0527	EA	6" Sway Bracing	281.07	29.87
		For Work In Restricted Working Space, Add	17.92	
23 05 29 00-0528	EA	8" Sway Bracing	311.03	37.26
		For Work In Restricted Working Space, Add	22.40	
23 05 29 00-0529	EA	10" Sway Bracing	350.05	49.81
		For Work In Restricted Working Space, Add	29.86	
23 05 29 00-0530 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)				
Note: Heights listed is total for base and adjustable saddle				

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23 05 29 00-0531	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	370.19	11.95
		<i>For Work In Restricted Working Space, Add</i>	7.17	
23 05 29 00-0532	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	378.20	13.14
		<i>For Work In Restricted Working Space, Add</i>	7.88	
23 05 29 00-0533	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	737.81	14.93
		<i>For Work In Restricted Working Space, Add</i>	8.96	
23 05 29 00-0534	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	907.82	16.72
		<i>For Work In Restricted Working Space, Add</i>	10.03	
23 05 29 00-0535	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	919.11	18.51
		<i>For Work In Restricted Working Space, Add</i>	11.11	
23 05 29 00-0536	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,008.64	20.91
		<i>For Work In Restricted Working Space, Add</i>	12.54	
23 05 29 00-0537	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,206.32	22.70
		<i>For Work In Restricted Working Space, Add</i>	13.62	
23 05 29 00-0538	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,220.06	24.49
		<i>For Work In Restricted Working Space, Add</i>	14.69	
23 05 29 00-0539	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,237.63	26.88
		<i>For Work In Restricted Working Space, Add</i>	16.13	
23 05 29 00-0540	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,287.55	29.26
		<i>For Work In Restricted Working Space, Add</i>	17.56	
23 05 29 00-0541	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,377.24	32.25
		<i>For Work In Restricted Working Space, Add</i>	19.35	
23 05 29 00-0542	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,417.33	35.83
		<i>For Work In Restricted Working Space, Add</i>	21.50	
23 05 29 00-0543	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,729.00	39.42
		<i>For Work In Restricted Working Space, Add</i>	23.65	
23 05 29 00-0544	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,882.65	44.19
		<i>For Work In Restricted Working Space, Add</i>	26.52	
23 05 29 00-0545	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,667.20	48.97
		<i>For Work In Restricted Working Space, Add</i>	29.38	
23 05 29 00-0546	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,273.63	53.75
		<i>For Work In Restricted Working Space, Add</i>	32.25	
23 05 29 00-0547	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,919.01	58.52
		<i>For Work In Restricted Working Space, Add</i>	35.12	

23 05 29 00-0548 Pipe Isolators Wrap At Hanger (23 05 29 00-0001)
 Note: Superstrut S-176.

23 05 29 00-0549	LF	Pipe Isolator Wrap (Cooper B-LINE B-1999)	8.30	
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23 05 29 00-0550 Channel Mounted Cushion Clamp (23 05 29 00-0001)
 Note: Includes fastening into channel.

23 05 29 00-0551	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050)	14.02	5.38
23 05 29 00-0552	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062)	14.77	5.97
23 05 29 00-0553	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087)	16.28	6.27
23 05 29 00-0554	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112)	17.39	6.57
23 05 29 00-0555	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137)	19.38	7.17
23 05 29 00-0556	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162)	21.52	7.47
23 05 29 00-0557	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212)	26.79	7.76
23 05 29 00-0558	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262)	29.57	8.36
23 05 29 00-0559	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312)	36.18	9.55
23 05 29 00-0560	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412)	53.95	10.75

23 05 29 00-0561 Galvanized Steel Cushion Tube Clamp (KMC) (23 05 29 00-0001)
 Note: Excludes fastening bolt and drilling if necessary.

23 05 29 00-0562	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe	4.70	
		Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0563	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe	4.89	
		Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0564	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe	5.02	
		Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0565	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe	5.34	
		Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0566	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe	4.96	
		Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw		
23 05 29 00-0567	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe	5.53	
		Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw		
23 05 29 00-0568	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe	5.18	
		Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw		

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
23 05 29 00-0569	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe	5.87		
Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw					
23 05 29 00-0570	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe	5.90		
Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw					
23 05 29 00-0571	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe	5.49		
Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw					
23 05 29 00-0572	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe	5.81		
Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw					
23 05 29 00-0573	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe	6.79		
Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw					
23 05 29 00-0574	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe	5.84		
Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw					
23 05 29 00-0575	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe	6.47		
Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw					
23 05 29 00-0576	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe	7.52		
Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw					
23 05 29 00-0577	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe	7.61		
Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw					
23 05 29 00-0578	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe	8.18		
Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw					
23 05 29 00-0579	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe	9.32		
Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw					
23 05 29 00-0580	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe	9.66		
Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw					
23 05 29 00-0581	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe	11.37		
Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw					
23 05 29 00-0582	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe	11.49		
Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw					
23 05 29 00-0583	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe	10.01		
Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw					
23 05 29 00-0584	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe	11.37		
Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw					
23 05 29 00-0585	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe	12.19		
Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw					
23 05 29 00-0586	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe	10.45		
Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw					
23 05 29 00-0587	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe	11.27		
Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw					
23 05 29 00-0588	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe	14.46		
Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw					
23 05 29 00-0589	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe	10.36		
Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw					
23 05 29 00-0590	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe	11.56		
Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw					
23 05 29 00-0591	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe	15.16		
Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw					
23 05 29 00-0592		Rooftop Pipe Supports (23 05 29 00-0001)			
Note: Excludes pipe/conduit clamps and straps.					
23 05 29 00-0593		Rooftop Support Base (23 05 29 00-0592)			
23 05 29 00-0594	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	41.57		9.73
23 05 29 00-0595	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	57.84		12.97
23 05 29 00-0596		Rooftop Support Base With 14 Gauge Galvanized Channel (23 05 29 00-0592)			
23 05 29 00-0597	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	47.07		9.73
23 05 29 00-0598	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	66.79		12.97
23 05 29 00-0599	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	122.37		16.22
23 05 29 00-0600	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	168.78		19.46
23 05 29 00-0601	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	233.21		22.70
23 05 29 00-0602	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	246.19		25.95
23 05 29 00-0603		Rooftop Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0592)			
23 05 29 00-0604	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	81.40		12.97
23 05 29 00-0605	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	128.89		16.22
23 05 29 00-0606	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	171.40		19.46
23 05 29 00-0607	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	233.36		22.70
23 05 29 00-0608	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	261.79		19.46
23 05 29 00-0609		Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (23 05 29 00-0592)			
23 05 29 00-0610	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	136.06		19.46
23 05 29 00-0611	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	155.02		22.70
23 05 29 00-0612	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	161.46		25.95
23 05 29 00-0613	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	176.83		29.19
23 05 29 00-0614	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	225.71		32.43
23 05 29 00-0615		Rooftop Pipe Support Base And Rod (23 05 29 00-0592)			

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23 05 29 00-0616	EA 9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	98.71		12.97	
23 05 29 00-0617	EA 9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	98.71		12.97	
23 05 29 00-0618	EA 9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	99.25		12.97	
23 05 29 00-0619	EA 10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	106.29		16.22	
23 05 29 00-0620	EA 10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	102.29		16.22	
23 05 29 00-0621	EA 10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	107.43		16.22	
23 05 29 00-0622	Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (23 05 29 00-0592)				
23 05 29 00-0623	EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	124.89		12.97	
23 05 29 00-0624	EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	139.25		12.97	
23 05 29 00-0625	EA 8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	182.44		16.22	
23 05 29 00-0626	EA 9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	241.13		16.22	
23 05 29 00-0627	EA 9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	328.30		16.22	
23 05 29 00-0628	Rooftop Support Base And Adjustable Height Roller Assembly (23 05 29 00-0592)				
Note: Includes base, two zinc all threaded rod risers and pipe roller.					
23 05 29 00-0629	EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	155.96		19.46	
23 05 29 00-0630	Rooftop Support Base And Adjustable Height Channel Assembly (23 05 29 00-0592)				
Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.					
23 05 29 00-0631	EA Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	102.56		16.22	
23 05 29 00-0632	EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	139.54		19.46	
23 05 29 00-0633	EA Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	155.69		22.70	
23 05 29 00-0634	Rooftop Support Bases With Channel Support And Risers Assembly (23 05 29 00-0592)				
Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).					
23 05 29 00-0635	EA 23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	373.30		25.95	
23 05 29 00-0636	EA 29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	377.43		25.95	
23 05 29 00-0637	EA 41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	391.92		25.95	
23 05 29 00-0638	EA 53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	425.19		25.95	
23 05 29 00-0639	EA 23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	365.92		25.95	
23 05 29 00-0640	EA 29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	379.79		25.95	
23 05 29 00-0641	EA 41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	394.28		25.95	
23 05 29 00-0642	EA 53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	427.53		25.95	
23 05 29 00-0643	EA 23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	382.40		25.95	
23 05 29 00-0644	EA 29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	387.24		25.95	
23 05 29 00-0645	EA 41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	401.45		25.95	
23 05 29 00-0646	EA 53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	434.85		25.95	
23 05 29 00-0647	EA 23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	399.24		25.95	
23 05 29 00-0648	EA 29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	403.65		25.95	
23 05 29 00-0649	EA 41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	417.87		25.95	
23 05 29 00-0650	EA 53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	451.27		25.95	
23 05 29 00-0651	Threaded Rod, Accessories And Attachments (23 05 29)				
23 05 29 00-0652	Threaded Rod And Rod Accessories (23 05 29 00-0651)				
23 05 29 00-0653	Threaded Rod (23 05 29 00-0652)				
Note: Fully threaded.					
23 05 29 00-0654	LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.83		0.81	
	For Galvanized, Add	0.88			
	For Zinc Plated, Add	0.63			
	For Work In Restricted Working Space, Add	0.49			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0655	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.23	0.87
		For Galvanized, Add	1.40	
		For Zinc Plated, Add	1.00	
		For Work In Restricted Working Space, Add	0.52	
23 05 29 00-0656	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.23	0.90
		For Galvanized, Add	2.18	
		For Zinc Plated, Add	1.55	
		For Work In Restricted Working Space, Add	0.54	
23 05 29 00-0657	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.73	0.93
		For Galvanized, Add	3.96	
		For Zinc Plated, Add	2.82	
		For Work In Restricted Working Space, Add	0.55	
23 05 29 00-0658	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.78	0.96
		For Galvanized, Add	4.35	
		For Zinc Plated, Add	3.10	
		For Work In Restricted Working Space, Add	0.57	
23 05 29 00-0659	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.43	1.08
		For Galvanized, Add	6.11	
		For Zinc Plated, Add	4.35	
		For Work In Restricted Working Space, Add	0.65	
23 05 29 00-0660	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.66	1.20
		For Galvanized, Add	7.70	
		For Zinc Plated, Add	5.49	
		For Work In Restricted Working Space, Add	0.72	
23 05 29 00-0661 Rod Couplings (23 05 29 00-0652)				
23 05 29 00-0662	EA	3/8" Diameter, Threaded Rod Coupling Nut	9.50	
		For Work In Restricted Working Space, Add	2.39	
23 05 29 00-0663	EA	1/2" Diameter, Threaded Rod Coupling Nut	10.77	
		For Work In Restricted Working Space, Add	2.65	
23 05 29 00-0664	EA	5/8" Diameter, Threaded Rod Coupling Nut	13.38	
		For Work In Restricted Working Space, Add	2.99	
23 05 29 00-0665	EA	3/4" Diameter, Threaded Rod Coupling Nut	16.21	
		For Work In Restricted Working Space, Add	3.26	
23 05 29 00-0666	EA	7/8" Diameter, Threaded Rod Coupling Nut	23.44	
		For Work In Restricted Working Space, Add	3.59	
23 05 29 00-0667	EA	1" Diameter, Threaded Rod Coupling Nut	27.79	
		For Work In Restricted Working Space, Add	4.22	
23 05 29 00-0668	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	52.30	
		For Work In Restricted Working Space, Add	4.78	
23 05 29 00-0669 Flat Washers (23 05 29 00-0652)				
		Note: Zinc plated.		
23 05 29 00-0670	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.67	0.26
		For Galvanized, Add	0.03	
		For Work In Restricted Working Space, Add	0.16	
23 05 29 00-0671	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.90	0.26
		For Galvanized, Add	0.07	
		For Work In Restricted Working Space, Add	0.18	
23 05 29 00-0672	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.28	0.39
		For Galvanized, Add	0.14	
		For Work In Restricted Working Space, Add	0.22	
23 05 29 00-0673	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.74	0.39
		For Galvanized, Add	0.20	
		For Work In Restricted Working Space, Add	0.28	
23 05 29 00-0674	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.04	0.52
		For Galvanized, Add	0.24	
		For Work In Restricted Working Space, Add	0.32	
23 05 29 00-0675	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.38	0.52
		For Galvanized, Add	0.30	
		For Work In Restricted Working Space, Add	0.36	
23 05 29 00-0676	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.68	0.64
		For Galvanized, Add	0.33	
		For Work In Restricted Working Space, Add	0.41	
23 05 29 00-0677 Hex Nuts (23 05 29 00-0652)				
		Note: Grade 2 and zinc plated.		
23 05 29 00-0678	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.32
		For Galvanized, Add	0.03	
		For Work In Restricted Working Space, Add	0.22	
23 05 29 00-0679	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.07	0.32
		For Galvanized, Add	0.06	
		For Work In Restricted Working Space, Add	0.25	
23 05 29 00-0680	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.42	0.32
		For Galvanized, Add	0.14	
		For Work In Restricted Working Space, Add	0.26	
23 05 29 00-0681	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.67	0.64
		For Galvanized, Add	0.19	
		For Work In Restricted Working Space, Add	0.27	
23 05 29 00-0682	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.38	0.64
		For Galvanized, Add	0.36	
		For Work In Restricted Working Space, Add	0.29	
23 05 29 00-0683	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.01	0.64
		For Galvanized, Add	0.48	
		For Work In Restricted Working Space, Add	0.32	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0684	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	4.85	0.64
		<i>For Galvanized, Add</i>	0.91	
		<i>For Work In Restricted Working Space, Add</i>	0.36	

23 05 29 00-0685 Turnbuckle (Cooper B-Line B3202) (23 05 29 00-0652)

Note: Type 13.

23 05 29 00-0686	EA	3/8" Turnbuckle (Cooper B-Line B3202).....	27.42	6.49
		<i>For Work In Restricted Working Space, Add</i>	3.89	
23 05 29 00-0687	EA	1/2" Turnbuckle (Cooper B-Line B3202).....	32.38	7.13
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 05 29 00-0688	EA	5/8" Turnbuckle (Cooper B-Line B3202).....	35.00	7.79
		<i>For Work In Restricted Working Space, Add</i>	4.87	
23 05 29 00-0689	EA	3/4" Turnbuckle (Cooper B-Line B3202).....	43.69	9.08
		<i>For Work In Restricted Working Space, Add</i>	5.56	
23 05 29 00-0690	EA	7/8" Turnbuckle (Cooper B-Line B3202).....	56.11	9.73
		<i>For Work In Restricted Working Space, Add</i>	6.49	
23 05 29 00-0691	EA	1" Turnbuckle (Cooper B-Line B3202).....	69.48	10.38
		<i>For Work In Restricted Working Space, Add</i>	7.79	
23 05 29 00-0692	EA	1-1/8" Turnbuckle (Cooper B-Line B3202).....	95.70	11.68
		<i>For Work In Restricted Working Space, Add</i>	9.73	

23 05 29 00-0693 Swivel Turnbuckle (Cooper B-Line B3224) (23 05 29 00-0652)

Note: Type 15.

23 05 29 00-0694	EA	3/8" Swivel Turnbuckle (Cooper B-Line B3224).....	18.29	6.49
		<i>For Work In Restricted Working Space, Add</i>	3.89	
23 05 29 00-0695	EA	1/2" Swivel Turnbuckle (Cooper B-Line B3224).....	21.05	7.26
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 05 29 00-0696	EA	5/8" Swivel Turnbuckle (Cooper B-Line B3224).....	27.35	8.04
		<i>For Work In Restricted Working Space, Add</i>	4.87	
23 05 29 00-0697	EA	3/4" Swivel Turnbuckle (Cooper B-Line B3224).....	32.86	9.21
		<i>For Work In Restricted Working Space, Add</i>	5.56	

23 05 29 00-0698 Forged Steel Clevis (Cooper B-Line B3201) (23 05 29 00-0652)

Note: Type 14.

23 05 29 00-0699	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201).....	87.66	11.95
		<i>For Work In Restricted Working Space, Add</i>	7.17	
23 05 29 00-0700	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201).....	127.36	12.54
		<i>For Work In Restricted Working Space, Add</i>	7.54	
23 05 29 00-0701	EA	5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201).....	137.63	13.14
		<i>For Work In Restricted Working Space, Add</i>	7.96	
23 05 29 00-0702	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201).....	143.41	14.33
		<i>For Work In Restricted Working Space, Add</i>	8.43	
23 05 29 00-0703	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201).....	151.38	16.13
		<i>For Work In Restricted Working Space, Add</i>	9.56	
23 05 29 00-0704	EA	6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201).....	250.08	20.91
		<i>For Work In Restricted Working Space, Add</i>	12.54	
23 05 29 00-0705	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201).....	271.88	23.89
		<i>For Work In Restricted Working Space, Add</i>	14.33	
23 05 29 00-0706	EA	7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201).....	321.18	29.87
		<i>For Work In Restricted Working Space, Add</i>	17.92	

23 05 29 00-0707 Welded Eye Rod (Cooper B-Line B3211) (23 05 29 00-0652)

23 05 29 00-0708	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod.....	27.49	7.00
		<i>For Work In Restricted Working Space, Add</i>	4.22	
23 05 29 00-0709	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod.....	28.34	7.13
		<i>For Work In Restricted Working Space, Add</i>	4.30	
23 05 29 00-0710	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod.....	29.18	7.26
		<i>For Work In Restricted Working Space, Add</i>	4.38	
23 05 29 00-0711	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod.....	29.46	7.40
		<i>For Work In Restricted Working Space, Add</i>	4.46	
23 05 29 00-0712	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod.....	31.16	7.66
		<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0713	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod.....	33.16	8.17
		<i>For Work In Restricted Working Space, Add</i>	4.87	
23 05 29 00-0714	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod.....	34.54	8.56
		<i>For Work In Restricted Working Space, Add</i>	5.11	
23 05 29 00-0715	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod.....	37.11	8.95
		<i>For Work In Restricted Working Space, Add</i>	5.35	
23 05 29 00-0716	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod.....	39.07	9.34
		<i>For Work In Restricted Working Space, Add</i>	5.60	
23 05 29 00-0717	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod.....	41.06	9.73
		<i>For Work In Restricted Working Space, Add</i>	5.84	
23 05 29 00-0718	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod.....	35.98	7.79
		<i>For Work In Restricted Working Space, Add</i>	4.67	
23 05 29 00-0719	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod.....	36.84	7.91
		<i>For Work In Restricted Working Space, Add</i>	4.75	
23 05 29 00-0720	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod.....	37.73	8.04
		<i>For Work In Restricted Working Space, Add</i>	4.84	
23 05 29 00-0721	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod.....	38.60	8.17
		<i>For Work In Restricted Working Space, Add</i>	4.93	
23 05 29 00-0722	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod.....	40.34	8.43
		<i>For Work In Restricted Working Space, Add</i>	5.10	
23 05 29 00-0723	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod.....	43.54	8.96
		<i>For Work In Restricted Working Space, Add</i>	5.36	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0724	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod.....	46.15	9.34
		<i>For Work In Restricted Working Space, Add</i>	5.62	
23 05 29 00-0725	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod.....	49.36	9.73
		<i>For Work In Restricted Working Space, Add</i>	5.88	
23 05 29 00-0726	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod.....	51.95	10.26
		<i>For Work In Restricted Working Space, Add</i>	6.14	
23 05 29 00-0727	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod.....	54.58	10.64
		<i>For Work In Restricted Working Space, Add</i>	6.39	
23 05 29 00-0728	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod.....	47.76	8.70
		<i>For Work In Restricted Working Space, Add</i>	5.22	
23 05 29 00-0729	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod.....	49.21	8.83
		<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0730	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod.....	50.70	8.96
		<i>For Work In Restricted Working Space, Add</i>	5.41	
23 05 29 00-0731	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod.....	51.58	9.21
		<i>For Work In Restricted Working Space, Add</i>	5.49	
23 05 29 00-0732	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod.....	53.92	9.47
		<i>For Work In Restricted Working Space, Add</i>	5.67	
23 05 29 00-0733	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod.....	57.74	9.86
		<i>For Work In Restricted Working Space, Add</i>	5.94	
23 05 29 00-0734	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod.....	61.53	10.38
		<i>For Work In Restricted Working Space, Add</i>	6.21	
23 05 29 00-0735	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod.....	64.77	10.77
		<i>For Work In Restricted Working Space, Add</i>	6.48	
23 05 29 00-0736	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod.....	68.59	11.29
		<i>For Work In Restricted Working Space, Add</i>	6.75	
23 05 29 00-0737	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod.....	72.39	11.68
		<i>For Work In Restricted Working Space, Add</i>	7.01	
23 05 29 00-0738	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod.....	58.29	9.86
		<i>For Work In Restricted Working Space, Add</i>	5.94	
23 05 29 00-0739	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod.....	60.36	9.99
		<i>For Work In Restricted Working Space, Add</i>	6.03	
23 05 29 00-0740	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod.....	61.83	10.26
		<i>For Work In Restricted Working Space, Add</i>	6.12	
23 05 29 00-0741	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod.....	63.89	10.38
		<i>For Work In Restricted Working Space, Add</i>	6.21	
23 05 29 00-0742	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod.....	67.42	10.64
		<i>For Work In Restricted Working Space, Add</i>	6.40	
23 05 29 00-0743	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod.....	72.41	11.16
		<i>For Work In Restricted Working Space, Add</i>	6.67	
23 05 29 00-0744	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod.....	77.41	11.54
		<i>For Work In Restricted Working Space, Add</i>	6.95	
23 05 29 00-0745	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod.....	83.02	12.07
		<i>For Work In Restricted Working Space, Add</i>	7.23	
23 05 29 00-0746	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod.....	88.58	12.46
		<i>For Work In Restricted Working Space, Add</i>	7.50	
23 05 29 00-0747	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod.....	93.60	12.97
		<i>For Work In Restricted Working Space, Add</i>	7.78	
23 05 29 00-0748	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod.....	69.63	11.42
		<i>For Work In Restricted Working Space, Add</i>	6.89	
23 05 29 00-0749	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod.....	72.28	11.68
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 05 29 00-0750	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod.....	74.35	11.81
		<i>For Work In Restricted Working Space, Add</i>	7.08	
23 05 29 00-0751	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod.....	76.41	11.94
		<i>For Work In Restricted Working Space, Add</i>	7.17	
23 05 29 00-0752	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod.....	80.57	12.33
		<i>For Work In Restricted Working Space, Add</i>	7.37	
23 05 29 00-0753	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod.....	87.35	12.71
		<i>For Work In Restricted Working Space, Add</i>	7.65	
23 05 29 00-0754	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod.....	93.56	13.24
		<i>For Work In Restricted Working Space, Add</i>	7.94	
23 05 29 00-0755	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod.....	100.36	13.76
		<i>For Work In Restricted Working Space, Add</i>	8.23	
23 05 29 00-0756	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod.....	106.56	14.14
		<i>For Work In Restricted Working Space, Add</i>	8.52	
23 05 29 00-0757	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod.....	112.77	14.66
		<i>For Work In Restricted Working Space, Add</i>	8.81	
23 05 29 00-0758	EA	1" Diameter x 8" Length Shank, Welded Eye Rod.....	86.91	13.76
		<i>For Work In Restricted Working Space, Add</i>	8.22	
23 05 29 00-0759	EA	1" Diameter x 10" Length Shank, Welded Eye Rod.....	89.60	13.89
		<i>For Work In Restricted Working Space, Add</i>	8.33	
23 05 29 00-0760	EA	1" Diameter x 12" Length Shank, Welded Eye Rod.....	92.30	14.01
		<i>For Work In Restricted Working Space, Add</i>	8.44	
23 05 29 00-0761	EA	1" Diameter x 14" Length Shank, Welded Eye Rod.....	94.99	14.27
		<i>For Work In Restricted Working Space, Add</i>	8.54	
23 05 29 00-0762	EA	1" Diameter x 18" Length Shank, Welded Eye Rod.....	100.36	14.66
		<i>For Work In Restricted Working Space, Add</i>	8.76	
23 05 29 00-0763	EA	1" Diameter x 24" Length Shank, Welded Eye Rod.....	108.45	15.18
		<i>For Work In Restricted Working Space, Add</i>	9.08	
23 05 29 00-0764	EA	1" Diameter x 30" Length Shank, Welded Eye Rod.....	116.55	15.70
		<i>For Work In Restricted Working Space, Add</i>	9.41	
23 05 29 00-0765	EA	1" Diameter x 36" Length Shank, Welded Eye Rod.....	125.18	16.22
		<i>For Work In Restricted Working Space, Add</i>	9.73	
23 05 29 00-0766	EA	1" Diameter x 42" Length Shank, Welded Eye Rod.....	133.27	16.74
		<i>For Work In Restricted Working Space, Add</i>	10.06	
23 05 29 00-0767	EA	1" Diameter x 48" Length Shank, Welded Eye Rod.....	141.36	17.26
		<i>For Work In Restricted Working Space, Add</i>	10.38	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-0768	Welded Linked Eye Rod (Cooper B-Line B3211X)	(23 05 29 00-0652)		
23 05 29 00-0769	EA 3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	55.17	9.47	
	For Work In Restricted Working Space, Add	5.71		
23 05 29 00-0770	EA 3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	56.66	9.73	
	For Work In Restricted Working Space, Add	5.87		
23 05 29 00-0771	EA 3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	58.16	10.12	
	For Work In Restricted Working Space, Add	6.03		
23 05 29 00-0772	EA 3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	58.99	10.50	
	For Work In Restricted Working Space, Add	6.28		
23 05 29 00-0773	EA 3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	61.71	10.90	
	For Work In Restricted Working Space, Add	6.52		
23 05 29 00-0774	EA 3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	65.31	11.67	
	For Work In Restricted Working Space, Add	7.01		
23 05 29 00-0775	EA 3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	67.88	12.46	
	For Work In Restricted Working Space, Add	7.49		
23 05 29 00-0776	EA 3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	72.44	13.36	
	For Work In Restricted Working Space, Add	7.98		
23 05 29 00-0777	EA 1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	70.51	10.51	
	For Work In Restricted Working Space, Add	6.31		
23 05 29 00-0778	EA 1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	72.04	10.77	
	For Work In Restricted Working Space, Add	6.48		
23 05 29 00-0779	EA 1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	73.61	11.03	
	For Work In Restricted Working Space, Add	6.65		
23 05 29 00-0780	EA 1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	75.46	11.54	
	For Work In Restricted Working Space, Add	6.92		
23 05 29 00-0781	EA 1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	78.23	11.94	
	For Work In Restricted Working Space, Add	7.17		
23 05 29 00-0782	EA 1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	83.86	12.84	
	For Work In Restricted Working Space, Add	7.69		
23 05 29 00-0783	EA 1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	88.52	13.63	
	For Work In Restricted Working Space, Add	8.21		
23 05 29 00-0784	EA 1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	94.13	14.53	
	For Work In Restricted Working Space, Add	8.72		
23 05 29 00-0785	EA 5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	93.32	11.68	
	For Work In Restricted Working Space, Add	7.04		
23 05 29 00-0786	EA 5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	95.85	12.07	
	For Work In Restricted Working Space, Add	7.22		
23 05 29 00-0787	EA 5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	98.41	12.33	
	For Work In Restricted Working Space, Add	7.40		
23 05 29 00-0788	EA 5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	100.29	12.84	
	For Work In Restricted Working Space, Add	7.67		
23 05 29 00-0789	EA 5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	104.09	13.24	
	For Work In Restricted Working Space, Add	7.94		
23 05 29 00-0790	EA 5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	110.75	14.14	
	For Work In Restricted Working Space, Add	8.48		
23 05 29 00-0791	EA 5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	117.39	15.06	
	For Work In Restricted Working Space, Add	9.01		
23 05 29 00-0792	EA 5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	123.08	15.96	
	For Work In Restricted Working Space, Add	9.55		
23 05 29 00-0793	EA 3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	117.31	13.24	
	For Work In Restricted Working Space, Add	7.97		
23 05 29 00-0794	EA 3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	120.89	13.63	
	For Work In Restricted Working Space, Add	8.16		
23 05 29 00-0795	EA 3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	123.43	13.89	
	For Work In Restricted Working Space, Add	8.34		
23 05 29 00-0796	EA 3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	127.26	14.40	
	For Work In Restricted Working Space, Add	8.62		
23 05 29 00-0797	EA 3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	133.04	14.80	
	For Work In Restricted Working Space, Add	8.90		
23 05 29 00-0798	EA 3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	141.67	15.70	
	For Work In Restricted Working Space, Add	9.45		
23 05 29 00-0799	EA 3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	150.33	16.61	
	For Work In Restricted Working Space, Add	10.00		
23 05 29 00-0800	EA 3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	159.96	17.64	
	For Work In Restricted Working Space, Add	10.55		
23 05 29 00-0801	EA 7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	140.66	15.31	
	For Work In Restricted Working Space, Add	9.22		
23 05 29 00-0802	EA 7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	145.19	15.70	
	For Work In Restricted Working Space, Add	9.41		
23 05 29 00-0803	EA 7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	148.76	15.96	
	For Work In Restricted Working Space, Add	9.61		
23 05 29 00-0804	EA 7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	152.62	16.48	
	For Work In Restricted Working Space, Add	9.89		
23 05 29 00-0805	EA 7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	159.44	17.00	
	For Work In Restricted Working Space, Add	10.18		
23 05 29 00-0806	EA 7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	171.07	17.91	
	For Work In Restricted Working Space, Add	10.76		
23 05 29 00-0807	EA 7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	181.73	18.94	
	For Work In Restricted Working Space, Add	11.33		
23 05 29 00-0808	EA 7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	193.38	19.86	
	For Work In Restricted Working Space, Add	11.91		
23 05 29 00-0809	EA 1" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	178.61	18.30	
	For Work In Restricted Working Space, Add	10.99		
23 05 29 00-0810	EA 1" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	183.22	18.69	
	For Work In Restricted Working Space, Add	11.20		
23 05 29 00-0811	EA 1" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	187.84	19.07	
	For Work In Restricted Working Space, Add	11.42		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0812	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	192.82 11.75	19.60
23 05 29 00-0813	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	201.64 12.07	20.11
23 05 29 00-0814	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	215.49 12.72	21.16
23 05 29 00-0815	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	229.35 13.37	22.32
23 05 29 00-0816	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	244.08 14.01	23.36
23 05 29 00-0817 Attachments (23 05 29 00-0851)				
23 05 29 00-0818 Welded Beam Attachments (B-Line B-3083) (23 05 29 00-0817)				
Note: Type 22.				
23 05 29 00-0819	EA	3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	59.40 7.26	12.10
23 05 29 00-0820	EA	1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	63.44 7.64	12.71
23 05 29 00-0821	EA	5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	67.59 8.07	13.43
23 05 29 00-0822	EA	3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	87.42 8.54	14.28
23 05 29 00-0823	EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	105.69 9.08	15.13
23 05 29 00-0824	EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	149.72 10.37	17.31
23 05 29 00-0825	EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083) <i>For Work In Restricted Working Space, Add</i>	214.60 10.90	18.16
23 05 29 00-0826 C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0817)				
Note: Type 23. Top or bottom flange mount.				
23 05 29 00-0827	EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) <i>For Work In Restricted Working Space, Add</i>	20.53 4.87	6.62
23 05 29 00-0828	EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) <i>For Work In Restricted Working Space, Add</i>	24.75 5.19	8.43
23 05 29 00-0829	EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) <i>For Work In Restricted Working Space, Add</i>	28.23 5.56	9.08
23 05 29 00-0830	EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) <i>For Work In Restricted Working Space, Add</i>	36.77 5.99	9.73
23 05 29 00-0831	EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034) <i>For Work In Restricted Working Space, Add</i>	54.29 6.49	10.38
23 05 29 00-0832 Bottom Mount I-Beam Clamps (B-Line B-3055) (23 05 29 00-0817)				
Note: Type 21. For attaching threaded rod centered under beam flanges.				
23 05 29 00-0833	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) <i>For Work In Restricted Working Space, Add</i>	59.41 6.49	9.08
23 05 29 00-0834	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) <i>For Work In Restricted Working Space, Add</i>	88.35 7.08	11.68
23 05 29 00-0835	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) <i>For Work In Restricted Working Space, Add</i>	127.22 7.79	12.97
23 05 29 00-0836	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) <i>For Work In Restricted Working Space, Add</i>	152.54 8.65	14.27
23 05 29 00-0837	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055) <i>For Work In Restricted Working Space, Add</i>	374.01 9.73	15.57
23 05 29 00-0838 Steel U-Bolts (B-Line B-3188) (23 05 29 00-0817)				
Note: Type 24. Includes plate and nuts.				
23 05 29 00-0839	EA	1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	16.75 3.89	3.24
23 05 29 00-0840	EA	3/4" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	18.23 4.10	3.89
23 05 29 00-0841	EA	1" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	19.67 4.33	3.89
23 05 29 00-0842	EA	1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	22.49 4.58	3.89
23 05 29 00-0843	EA	1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	23.18 4.87	4.54
23 05 29 00-0844	EA	2" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	24.81 5.19	4.54
23 05 29 00-0845	EA	2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	36.53 5.56	4.54
23 05 29 00-0846	EA	3" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	40.32 5.99	5.19
23 05 29 00-0847	EA	4" Pipe Size, Steel U-Bolt (B-Line B-3188) <i>For Work In Restricted Working Space, Add</i>	49.03 6.49	5.84
23 05 29 00-0848 Copper Standoff Brackets With Flange (23 05 29 00-0817)				
Note: Installed in wood, concrete, concrete block or steel.				
23 05 29 00-0849	EA	Clamp Size 1/2", Copper Standoff Brackets With Flange <i>For Work In Restricted Working Space, Add</i>	38.73 11.12	18.56
23 05 29 00-0850	EA	Clamp Size 3/4", Copper Standoff Brackets With Flange <i>For Work In Restricted Working Space, Add</i>	38.83 11.12	18.56

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 29 00-0851	EA	Clamp Size 1", Copper Standoff Brackets With Flange	38.94	18.56	
		<i>For Work In Restricted Working Space, Add</i>	11.12		
23 05 29 00-0852	EA	Clamp Size 1 1/4", Copper Standoff Brackets With Flange	41.38	19.73	
		<i>For Work In Restricted Working Space, Add</i>	11.80		
23 05 29 00-0853	EA	Clamp Size 1 1/2", Copper Standoff Brackets With Flange	41.58	19.73	
		<i>For Work In Restricted Working Space, Add</i>	11.80		
23 05 29 00-0854 Malleable Iron Eye Sockets (B-Line B-3222) (23 05 29 00-0817)					
Note: Type 16.					
23 05 29 00-0855	EA	3/8" Rod Size, Malleable Iron Eye Socket	13.46	1.94	
		<i>For Work In Restricted Working Space, Add</i>	1.18		
23 05 29 00-0856	EA	1/2" Rod Size, Malleable Iron Eye Socket	17.14	2.60	
		<i>For Work In Restricted Working Space, Add</i>	1.56		
23 05 29 00-0857	EA	5/8" Rod Size, Malleable Iron Eye Socket	29.78	2.60	
		<i>For Work In Restricted Working Space, Add</i>	1.57		
23 05 29 00-0858	EA	3/4" Rod Size, Malleable Iron Eye Socket	42.18	2.60	
		<i>For Work In Restricted Working Space, Add</i>	1.56		
23 05 29 00-0859	EA	7/8" Rod Size, Malleable Iron Eye Socket	45.47	3.24	
		<i>For Work In Restricted Working Space, Add</i>	1.95		
23 05 29 00-0860 Steel Weldless Eye Nuts (B-Line B-3200) (23 05 29 00-0817)					
Note: Type 17.					
23 05 29 00-0861	EA	3/8" Rod Size, Steel Weldless Eye Nut	44.63	1.94	
		<i>For Work In Restricted Working Space, Add</i>	1.18		
23 05 29 00-0862	EA	1/2" Rod Size, Steel Weldless Eye Nut	45.88	2.60	
		<i>For Work In Restricted Working Space, Add</i>	1.56		
23 05 29 00-0863	EA	5/8" Rod Size, Steel Weldless Eye Nut	45.93	2.60	
		<i>For Work In Restricted Working Space, Add</i>	1.57		
23 05 29 00-0864	EA	3/4" Rod Size, Steel Weldless Eye Nut	45.88	2.60	
		<i>For Work In Restricted Working Space, Add</i>	1.56		
23 05 29 00-0865	EA	7/8" Rod Size, Steel Weldless Eye Nut	89.82	2.86	
		<i>For Work In Restricted Working Space, Add</i>	1.75		
23 05 29 00-0866	EA	1" Rod Size, Steel Weldless Eye Nut	90.47	3.24	
		<i>For Work In Restricted Working Space, Add</i>	1.95		
23 05 29 00-0867 Top Mount I-Beam Clamps (B-Line B-3042) (23 05 29 00-0817)					
Note: For attaching threaded rod to either side of an I-beam.					
23 05 29 00-0868	EA	3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	29.38	6.05	
		<i>For Work In Restricted Working Space, Add</i>	3.63		
23 05 29 00-0869	EA	1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	35.46	6.66	
		<i>For Work In Restricted Working Space, Add</i>	4.01		
23 05 29 00-0870	EA	5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	43.10	7.26	
		<i>For Work In Restricted Working Space, Add</i>	4.40		
23 05 29 00-0871	EA	3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	59.67	7.87	
		<i>For Work In Restricted Working Space, Add</i>	4.63		
23 05 29 00-0872	EA	7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	92.12	9.08	
		<i>For Work In Restricted Working Space, Add</i>	5.45		
23 05 29 00-0873	EA	3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	30.98	6.05	
		<i>For Work In Restricted Working Space, Add</i>	3.63		
23 05 29 00-0874	EA	1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	37.73	6.66	
		<i>For Work In Restricted Working Space, Add</i>	4.01		
23 05 29 00-0875	EA	5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	43.10	7.26	
		<i>For Work In Restricted Working Space, Add</i>	4.40		
23 05 29 00-0876	EA	3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	65.64	7.87	
		<i>For Work In Restricted Working Space, Add</i>	4.63		
23 05 29 00-0877	EA	7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	102.30	9.08	
		<i>For Work In Restricted Working Space, Add</i>	5.45		
23 05 29 00-0878	EA	3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	34.71	6.05	
		<i>For Work In Restricted Working Space, Add</i>	3.63		
23 05 29 00-0879	EA	1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	41.92	6.66	
		<i>For Work In Restricted Working Space, Add</i>	4.01		
23 05 29 00-0880	EA	5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	52.93	7.26	
		<i>For Work In Restricted Working Space, Add</i>	4.40		
23 05 29 00-0881	EA	3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	76.79	7.87	
		<i>For Work In Restricted Working Space, Add</i>	4.63		
23 05 29 00-0882	EA	7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	124.11	9.08	
		<i>For Work In Restricted Working Space, Add</i>	5.45		
23 05 29 00-0883 Side Beam Brackets (B-Line B-3062) (23 05 29 00-0817)					
Note: Type 34.					
23 05 29 00-0884	EA	3/8" Rod Size, Side Beam Bracket	23.18	8.43	
		<i>For Work In Restricted Working Space, Add</i>	4.87		
23 05 29 00-0885	EA	1/2" Rod Size, Side Beam Bracket	27.62	8.43	
		<i>For Work In Restricted Working Space, Add</i>	5.19		
23 05 29 00-0886	EA	5/8" Rod Size, Side Beam Bracket	36.15	9.08	
		<i>For Work In Restricted Working Space, Add</i>	5.56		
23 05 29 00-0887	EA	3/4" Rod Size, Side Beam Bracket	65.51	9.73	
		<i>For Work In Restricted Working Space, Add</i>	5.99		
23 05 29 00-0888	EA	7/8" Rod Size, Side Beam Bracket	76.87	11.03	
		<i>For Work In Restricted Working Space, Add</i>	6.49		
23 05 29 00-0889 Hex Lag Bolts (23 05 29 00-0817)					
Note: Also known as coach screws.					

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0890	EA	3/8" x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.46 0.81	
23 05 29 00-0891	EA	3/8" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.52 0.84	
23 05 29 00-0892	EA	3/8" x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	3.94 0.87	
23 05 29 00-0893	EA	3/8" x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.69 0.90	
23 05 29 00-0894	EA	3/8" x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.00 0.94	
23 05 29 00-0895	EA	3/8" x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	6.24 0.97	
23 05 29 00-0896	EA	1/2" x 3-1/2" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.68 0.97	
23 05 29 00-0897	EA	1/2" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	4.76 1.01	
23 05 29 00-0898	EA	1/2" x 6" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	5.50 1.06	
23 05 29 00-0899	EA	1/2" x 8" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	6.35 1.10	
23 05 29 00-0900	EA	1/2" x 10" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	7.44 1.16	
23 05 29 00-0901	EA	1/2" x 12" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	7.97 1.22	
23 05 29 00-0902	EA	5/8" x 4" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	6.39 1.08	
23 05 29 00-0903	EA	3/4" x 5" Long, Hex Lag Bolt..... <i>For Work In Restricted Working Space, Add</i>	7.44 1.10	
23 05 29 00-0904		Fiberglass Beam Clamp (23 05 29 00-0817)		
23 05 29 00-0905	EA	Fiberglass Beam Clamp Assembly 3/8" (B-Line BFV751J)	244.20	12.97
23 05 29 00-0906	EA	Fiberglass Beam Clamp Assembly 1/2" (B-Line BFV751J)	248.31	12.97
23 05 29 00-0907	EA	Fiberglass Beam Clamp Assembly 5/8" (B-Line BFV751J)	266.02	12.97
23 05 29 00-0908		Stainless Steel Threaded Rod And Rod Accessories (23 05 29 00-0651)		
23 05 29 00-0909		304 Stainless Steel Threaded Rod (23 05 29 00-0908)		
23 05 29 00-0910	LF	1/4" Diameter, 304 Stainless Steel Threaded Rod	3.56	0.64
		<i>For Work In Restricted Working Space, Add</i>	0.39	
23 05 29 00-0911	LF	5/16" Diameter, 304 Stainless Steel Threaded Rod	5.27	0.64
		<i>For Work In Restricted Working Space, Add</i>	0.42	
23 05 29 00-0912	LF	3/8" Diameter, 304 Stainless Steel Threaded Rod	6.63	0.77
		<i>For Work In Restricted Working Space, Add</i>	0.44	
23 05 29 00-0913	LF	7/16" Diameter, 304 Stainless Steel Threaded Rod	9.20	0.77
		<i>For Work In Restricted Working Space, Add</i>	0.46	
23 05 29 00-0914	LF	1/2" Diameter, 304 Stainless Steel Threaded Rod	11.06	0.77
		<i>For Work In Restricted Working Space, Add</i>	0.49	
23 05 29 00-0915	LF	5/8" Diameter, 304 Stainless Steel Threaded Rod	16.58	0.91
		<i>For Work In Restricted Working Space, Add</i>	0.51	
23 05 29 00-0916	LF	3/4" Diameter, 304 Stainless Steel Threaded Rod	23.20	0.91
		<i>For Work In Restricted Working Space, Add</i>	0.54	
23 05 29 00-0917	LF	7/8" Diameter, 304 Stainless Steel Threaded Rod	31.90	0.91
		<i>For Work In Restricted Working Space, Add</i>	0.57	
23 05 29 00-0918	LF	1" Diameter, 304 Stainless Steel Threaded Rod	40.88	1.04
		<i>For Work In Restricted Working Space, Add</i>	0.65	
23 05 29 00-0919	LF	1-1/4" Diameter, 304 Stainless Steel Threaded Rod	86.31	1.30
		<i>For Work In Restricted Working Space, Add</i>	0.81	
23 05 29 00-0920		304 Stainless Steel Flat Washers (23 05 29 00-0908)		
23 05 29 00-0921	EA	3/8", 304 Stainless Steel Flat Washer.....	0.81	0.26
		<i>For Work In Restricted Working Space, Add</i>	0.16	
23 05 29 00-0922	EA	1/2", 304 Stainless Steel Flat Washer.....	1.51	0.26
		<i>For Work In Restricted Working Space, Add</i>	0.18	
23 05 29 00-0923		304 Stainless Steel Hex Nuts (23 05 29 00-0908)		
23 05 29 00-0924	EA	3/8-16, 304 Stainless Steel Hex Nut.....	2.85	1.30
		<i>For Work In Restricted Working Space, Add</i>	0.75	
23 05 29 00-0925	EA	1/2-13, 304 Stainless Steel Hex Nut.....	3.62	1.30
		<i>For Work In Restricted Working Space, Add</i>	0.81	
23 05 29 00-0926		316 Stainless Steel U-Bolts (23 05 29 00-0908)		
		Note: Type 24. Includes nuts.		
23 05 29 00-0927	EA	1/2" Pipe Size, 316 Stainless Steel U-Bolt.....	26.56	6.49
		<i>For Work In Restricted Working Space, Add</i>	3.89	
23 05 29 00-0928	EA	3/4" Pipe Size, 316 Stainless Steel U-Bolt.....	27.47	6.87
		<i>For Work In Restricted Working Space, Add</i>	4.10	
23 05 29 00-0929	EA	1" Pipe Size, 316 Stainless Steel U-Bolt.....	28.64	7.26
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 05 29 00-0930	EA	1-1/4" Pipe Size, 316 Stainless Steel U-Bolt.....	29.92	7.66
		<i>For Work In Restricted Working Space, Add</i>	4.58	
23 05 29 00-0931	EA	1-1/2" Pipe Size, 316 Stainless Steel U-Bolt.....	31.32	8.04
		<i>For Work In Restricted Working Space, Add</i>	4.87	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 05 29 00-0932	EA 2" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	38.23 5.19	8.69		
23 05 29 00-0933	EA 2-1/2" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	40.92 5.56	9.21		
23 05 29 00-0934	EA 3" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	43.91 5.99	9.99		
23 05 29 00-0935	EA 3-1/2" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	46.07 6.23	10.37		
23 05 29 00-0936	EA 4" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	48.57 6.49	10.77		
23 05 29 00-0937	EA 5" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	81.61 6.67	11.16		
23 05 29 00-0938	EA 6" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	132.85 6.80	11.29		
23 05 29 00-0939	EA 8" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	196.42 6.95	11.54		
23 05 29 00-0940	EA 10" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	278.34 7.16	11.93		
23 05 29 00-0941	EA 12" Pipe Size, 316 Stainless Steel U-Bolt..... <i>For Work In Restricted Working Space, Add</i>	428.19 7.37	12.33		
23 05 29 00-0942	Hanger Strap (23 05 29 00-0651)				
23 05 29 00-0943	LF 3/4" Wide x 0.025" Thick Galvanized Hanger Strap.....	6.26			
23 05 29 00-0944	Shields And Saddles (23 05 29)				
23 05 29 00-0945	Insulation Protection Shield (23 05 29 00-0944) Note: Type 40.				
23 05 29 00-0946	Insulation Protection Shield (Cooper B-Line B3151) (23 05 29 00-0945)				
23 05 29 00-0947	EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	16.38 3.11	3.11		
23 05 29 00-0948	EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	16.62 3.15	3.15		
23 05 29 00-0949	EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	17.00 3.19	3.19		
23 05 29 00-0950	EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	17.70 3.23	3.23		
23 05 29 00-0951	EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	19.38 3.31	3.31		
23 05 29 00-0952	EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	23.13 3.39	3.38		
23 05 29 00-0953	EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	26.52 3.46	3.46		
23 05 29 00-0954	EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	31.89 3.54	3.54		
23 05 29 00-0955	EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	40.18 3.58	3.58		
23 05 29 00-0956	EA 14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	43.54 3.62	3.62		
23 05 29 00-0957	EA 16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	58.89 3.66	3.66		
23 05 29 00-0958	EA 18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	65.83 3.70	3.69		
23 05 29 00-0959	EA 20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	119.66 3.74	3.73		
23 05 29 00-0960	EA 24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	129.87 3.81	3.81		
23 05 29 00-0961	EA 30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	156.39 3.89	3.90		
23 05 29 00-0962	Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0945)				
23 05 29 00-0963	EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	14.73 3.11	3.11		
23 05 29 00-0964	EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	14.94 3.15	3.15		
23 05 29 00-0965	EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	15.25 3.19	3.19		
23 05 29 00-0966	EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	15.80 3.23	3.23		
23 05 29 00-0967	EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	17.08 3.31	3.31		
23 05 29 00-0968	EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	19.88 3.39	3.38		
23 05 29 00-0969	EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	21.22 3.46	3.46		
23 05 29 00-0970	EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	26.37 3.54	3.54		
23 05 29 00-0971	EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	31.11 3.58	3.58		
23 05 29 00-0972	Pipe Covering Protection Saddle (23 05 29 00-0944) Note: Sizes are pipe sizes.				
23 05 29 00-0973	Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0972)				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0974	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.76	4.28
		<i>For Work In Restricted Working Space, Add</i>	4.28	
23 05 29 00-0975	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.88	4.33
		<i>For Work In Restricted Working Space, Add</i>	4.32	
23 05 29 00-0976	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.01	4.36
		<i>For Work In Restricted Working Space, Add</i>	4.36	
23 05 29 00-0977	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.14	4.43
		<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0978	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.26	4.47
		<i>For Work In Restricted Working Space, Add</i>	4.47	
23 05 29 00-0979	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.07	4.54
		<i>For Work In Restricted Working Space, Add</i>	4.54	
23 05 29 00-0980	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	29.79	4.61
		<i>For Work In Restricted Working Space, Add</i>	4.61	
23 05 29 00-0981	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	33.09	4.68
		<i>For Work In Restricted Working Space, Add</i>	4.69	
23 05 29 00-0982	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	36.88	4.83
		<i>For Work In Restricted Working Space, Add</i>	4.83	
23 05 29 00-0983	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	44.28	5.01
		<i>For Work In Restricted Working Space, Add</i>	5.01	
23 05 29 00-0984	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	49.10	5.08
		<i>For Work In Restricted Working Space, Add</i>	5.08	
23 05 29 00-0985	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	57.61	5.08
		<i>For Work In Restricted Working Space, Add</i>	5.19	
23 05 29 00-0986	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	62.61	5.26
		<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0987 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0972)				
23 05 29 00-0988	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.56	4.28
		<i>For Work In Restricted Working Space, Add</i>	4.28	
23 05 29 00-0989	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.68	4.33
		<i>For Work In Restricted Working Space, Add</i>	4.32	
23 05 29 00-0990	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.81	4.36
		<i>For Work In Restricted Working Space, Add</i>	4.36	
23 05 29 00-0991	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	28.74	4.43
		<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0992	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	30.80	4.47
		<i>For Work In Restricted Working Space, Add</i>	4.47	
23 05 29 00-0993	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	32.98	4.54
		<i>For Work In Restricted Working Space, Add</i>	4.54	
23 05 29 00-0994	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	33.53	4.61
		<i>For Work In Restricted Working Space, Add</i>	4.61	
23 05 29 00-0995	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	37.70	4.61
		<i>For Work In Restricted Working Space, Add</i>	4.69	
23 05 29 00-0996	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	42.10	4.83
		<i>For Work In Restricted Working Space, Add</i>	4.83	
23 05 29 00-0997	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	49.39	5.01
		<i>For Work In Restricted Working Space, Add</i>	5.01	
23 05 29 00-0998	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	55.15	5.08
		<i>For Work In Restricted Working Space, Add</i>	5.08	
23 05 29 00-0999	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	65.07	5.19
		<i>For Work In Restricted Working Space, Add</i>	5.19	
23 05 29 00-1000	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	70.98	5.26
		<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-1001 Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0972)				
23 05 29 00-1002	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	29.43	4.50
		<i>For Work In Restricted Working Space, Add</i>	4.50	
23 05 29 00-1003	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	29.55	4.54
		<i>For Work In Restricted Working Space, Add</i>	4.54	
23 05 29 00-1004	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	30.98	4.58
		<i>For Work In Restricted Working Space, Add</i>	4.58	
23 05 29 00-1005	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.88	4.65
		<i>For Work In Restricted Working Space, Add</i>	4.65	
23 05 29 00-1006	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.66	4.68
		<i>For Work In Restricted Working Space, Add</i>	4.69	
23 05 29 00-1007	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.89	4.77
		<i>For Work In Restricted Working Space, Add</i>	4.76	
23 05 29 00-1008	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	34.64	4.85
		<i>For Work In Restricted Working Space, Add</i>	4.83	
23 05 29 00-1009	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	36.38	4.92
		<i>For Work In Restricted Working Space, Add</i>	4.90	
23 05 29 00-1010	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	45.61	5.07
		<i>For Work In Restricted Working Space, Add</i>	5.08	
23 05 29 00-1011	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	51.40	5.26
		<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-1012	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	53.83	5.34
		<i>For Work In Restricted Working Space, Add</i>	5.34	
23 05 29 00-1013	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	71.51	5.45
		<i>For Work In Restricted Working Space, Add</i>	5.45	
23 05 29 00-1014	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	78.85	5.53
		<i>For Work In Restricted Working Space, Add</i>	5.52	
23 05 29 00-1015	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	86.44	5.66
		<i>For Work In Restricted Working Space, Add</i>	5.66	
23 05 29 00-1016	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	94.04	5.81
		<i>For Work In Restricted Working Space, Add</i>	5.81	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
23 05 29 00-1017	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	102.85		5.96	
		<i>For Work In Restricted Working Space, Add</i>	5.96			
23 05 29 00-1018	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162).....	117.32		6.10	
		<i>For Work In Restricted Working Space, Add</i>	6.10			
23 05 29 00-1019 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0972)						
23 05 29 00-1020	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	32.75		4.68	
		<i>For Work In Restricted Working Space, Add</i>	4.69			
23 05 29 00-1021	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	34.44		4.75	
		<i>For Work In Restricted Working Space, Add</i>	4.76			
23 05 29 00-1022	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.30		4.80	
		<i>For Work In Restricted Working Space, Add</i>	4.79			
23 05 29 00-1023	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	36.28		4.88	
		<i>For Work In Restricted Working Space, Add</i>	4.87			
23 05 29 00-1024	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	36.65		4.97	
		<i>For Work In Restricted Working Space, Add</i>	4.98			
23 05 29 00-1025	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	42.13		5.04	
		<i>For Work In Restricted Working Space, Add</i>	5.05			
23 05 29 00-1026	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	47.88		5.19	
		<i>For Work In Restricted Working Space, Add</i>	5.19			
23 05 29 00-1027	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	55.35		5.39	
		<i>For Work In Restricted Working Space, Add</i>	5.37			
23 05 29 00-1028	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	59.16		5.47	
		<i>For Work In Restricted Working Space, Add</i>	5.48			
23 05 29 00-1029	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	73.35		5.58	
		<i>For Work In Restricted Working Space, Add</i>	5.59			
23 05 29 00-1030	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	86.50		5.66	
		<i>For Work In Restricted Working Space, Add</i>	5.66			
23 05 29 00-1031	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	99.90		5.79	
		<i>For Work In Restricted Working Space, Add</i>	5.81			
23 05 29 00-1032	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	105.99		5.95	
		<i>For Work In Restricted Working Space, Add</i>	5.96			
23 05 29 00-1033	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	112.75		6.10	
		<i>For Work In Restricted Working Space, Add</i>	6.10			
23 05 29 00-1034	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	119.53		6.24	
		<i>For Work In Restricted Working Space, Add</i>	6.25			
23 05 29 00-1035 Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0972)						
23 05 29 00-1036	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	36.48		4.92	
		<i>For Work In Restricted Working Space, Add</i>	4.90			
23 05 29 00-1037	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	39.63		5.00	
		<i>For Work In Restricted Working Space, Add</i>	5.01			
23 05 29 00-1038	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	41.24		5.07	
		<i>For Work In Restricted Working Space, Add</i>	5.08			
23 05 29 00-1039	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	42.88		5.15	
		<i>For Work In Restricted Working Space, Add</i>	5.16			
23 05 29 00-1040	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	48.91		5.31	
		<i>For Work In Restricted Working Space, Add</i>	5.30			
23 05 29 00-1041	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	60.73		5.51	
		<i>For Work In Restricted Working Space, Add</i>	5.52			
23 05 29 00-1042	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	65.60		5.59	
		<i>For Work In Restricted Working Space, Add</i>	5.59			
23 05 29 00-1043	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	84.53		5.71	
		<i>For Work In Restricted Working Space, Add</i>	5.70			
23 05 29 00-1044	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	100.40		5.79	
		<i>For Work In Restricted Working Space, Add</i>	5.81			
23 05 29 00-1045	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	116.27		5.93	
		<i>For Work In Restricted Working Space, Add</i>	5.92			
23 05 29 00-1046	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	118.54		6.09	
		<i>For Work In Restricted Working Space, Add</i>	6.10			
23 05 29 00-1047	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	120.70		6.23	
		<i>For Work In Restricted Working Space, Add</i>	6.25			
23 05 29 00-1048	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	152.40		6.40	
		<i>For Work In Restricted Working Space, Add</i>	6.39			
23 05 29 00-1049 Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0972)						
23 05 29 00-1050	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	40.88		5.02	
		<i>For Work In Restricted Working Space, Add</i>	5.01			
23 05 29 00-1051	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	44.57		5.11	
		<i>For Work In Restricted Working Space, Add</i>	5.12			
23 05 29 00-1052	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	46.47		5.19	
		<i>For Work In Restricted Working Space, Add</i>	5.19			
23 05 29 00-1053	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	48.47		5.26	
		<i>For Work In Restricted Working Space, Add</i>	5.27			
23 05 29 00-1054	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	58.65		5.44	
		<i>For Work In Restricted Working Space, Add</i>	5.45			
23 05 29 00-1055	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	68.83		5.64	
		<i>For Work In Restricted Working Space, Add</i>	5.63			
23 05 29 00-1056	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	71.12		5.72	
		<i>For Work In Restricted Working Space, Add</i>	5.74			
23 05 29 00-1057	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	90.16		5.85	
		<i>For Work In Restricted Working Space, Add</i>	5.84			
23 05 29 00-1058	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	108.87		5.92	
		<i>For Work In Restricted Working Space, Add</i>	5.92			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1059 EA 16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	127.82 6.07	6.08
23 05 29 00-1060 EA 18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	155.73 6.21	6.22
23 05 29 00-1061 EA 20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	183.52 6.39	6.38
23 05 29 00-1062 EA 24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	196.18 6.54	6.54
23 05 29 00-1063 EA 30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	206.38 6.72	6.70
23 05 29 00-1064 EA 36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) <i>For Work In Restricted Working Space, Add</i>	213.94 6.86	6.88
23 05 29 00-1065 Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0944)		
23 05 29 00-1066 EA 2" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	91.35	16.22
23 05 29 00-1067 EA 3" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	97.37	18.81
23 05 29 00-1068 EA 4" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	117.97	21.41
23 05 29 00-1069 EA 5" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	123.32	23.36
23 05 29 00-1070 EA 6" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	136.86	25.96
23 05 29 00-1071 EA 8" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	156.79	32.44
23 05 29 00-1072 EA 10" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	205.38	43.47
23 05 29 00-1073 EA 12" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	258.49	64.88
23 05 29 00-1074 Pipe Stanchion Support (Cooper B-Line B3090) (23 05 29 00-0944)		
23 05 29 00-1075 EA 2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	111.48	16.22
23 05 29 00-1076 EA 3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	116.12	18.81
23 05 29 00-1077 EA 3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	124.52	20.11
23 05 29 00-1078 EA 4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	127.55	21.41
23 05 29 00-1079 EA 5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	134.35	23.36
23 05 29 00-1080 EA 6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	142.93	25.96
23 05 29 00-1081 EA 8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	181.29	32.44
23 05 29 00-1082 EA 10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	244.36	43.47
23 05 29 00-1083 EA 12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	323.02	64.88
23 05 29 00-1084 Pipe Saddle Support (Cooper B-Line B3095) (23 05 29 00-0944)		
23 05 29 00-1085 EA 2-1/2" Pipe Saddle Support (Cooper B-Line B3095)	60.45	16.22
23 05 29 00-1086 EA 3" Pipe Saddle Support (Cooper B-Line B3095)	65.09	18.81
23 05 29 00-1087 EA 3-1/2" Pipe Saddle Support (Cooper B-Line B3095)	94.94	20.11
23 05 29 00-1088 EA 4" Pipe Saddle Support (Cooper B-Line B3095)	97.97	21.41
23 05 29 00-1089 EA 5" Pipe Saddle Support (Cooper B-Line B3095)	107.52	23.36
23 05 29 00-1090 EA 6" Pipe Saddle Support (Cooper B-Line B3095)	119.23	25.96
23 05 29 00-1091 EA 8" Pipe Saddle Support (Cooper B-Line B3095)	137.84	32.44
23 05 29 00-1092 EA 10" Pipe Saddle Support (Cooper B-Line B3095)	163.02	43.47
23 05 29 00-1093 EA 12" Pipe Saddle Support (Cooper B-Line B3095)	210.12	64.88
23 05 29 00-1094 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-0944)		
Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-1095 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1094)		
23 05 29 00-1096 EA 1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.59	8.20
23 05 29 00-1097 EA 3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.94	8.20
23 05 29 00-1098 EA 1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.03	8.20
23 05 29 00-1099 EA 1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.38	8.20
23 05 29 00-1100 EA 1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.72	8.70
23 05 29 00-1101 EA 2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.64	8.96
23 05 29 00-1102 EA 2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.72	9.34
23 05 29 00-1103 EA 3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.91	9.71
23 05 29 00-1104 EA 4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.00	10.09
23 05 29 00-1105 EA 6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.69	8.70
23 05 29 00-1106 EA 8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.72	11.35
23 05 29 00-1107 EA 10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.50	13.37
23 05 29 00-1108 EA 12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.57	15.52
23 05 29 00-1109 EA 14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.84	16.02
23 05 29 00-1110 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1094)		
23 05 29 00-1111 EA 1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.00	6.18
23 05 29 00-1112 EA 3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.72	6.18
23 05 29 00-1113 EA 1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.12	6.31
23 05 29 00-1114 EA 1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.74	6.43
23 05 29 00-1115 EA 1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.33	6.43
23 05 29 00-1116 EA 2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.33	6.69
23 05 29 00-1117 EA 2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.51	6.94
23 05 29 00-1118 EA 3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.12	7.06
23 05 29 00-1119 EA 4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.35	7.70
23 05 29 00-1120 EA 6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.20	13.24
23 05 29 00-1121 EA 8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.86	9.96
23 05 29 00-1122 EA 10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.81	11.73

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-1123	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	45.20	13.50
23 05 29 00-1124	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.35	16.27

23 05 29 00-1125 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate

(23 05 29 00-1094)

23 05 29 00-1126	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.31	7.06
23 05 29 00-1127	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.59	7.06
23 05 29 00-1128	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.36	7.20
23 05 29 00-1129	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.04	7.32
23 05 29 00-1130	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.75	7.45
23 05 29 00-1131	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.70	7.70
23 05 29 00-1132	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.08	7.95
23 05 29 00-1133	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.37	8.20
23 05 29 00-1134	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.25	8.70
23 05 29 00-1135	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.74	9.84
23 05 29 00-1136	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	55.49	16.79
23 05 29 00-1137	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	60.67	19.43
23 05 29 00-1138	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	69.98	22.96
23 05 29 00-1139	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	78.48	25.74
23 05 29 00-1140	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	87.63	29.02
23 05 29 00-1141	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	100.39	34.06
23 05 29 00-1142	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	111.47	37.85
23 05 29 00-1143	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	125.94	42.90

23 05 29 00-1144 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate

(23 05 29 00-1094)

23 05 29 00-1145	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.55	8.20
23 05 29 00-1146	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.86	8.20
23 05 29 00-1147	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.81	8.33
23 05 29 00-1148	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.51	8.45
23 05 29 00-1149	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.23	8.45
23 05 29 00-1150	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.39	8.84
23 05 29 00-1151	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.96	9.09
23 05 29 00-1152	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.43	9.46
23 05 29 00-1153	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.66	9.96
23 05 29 00-1154	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.86	11.35
23 05 29 00-1155	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.59	12.62
23 05 29 00-1156	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.80	14.51
23 05 29 00-1157	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	73.12	18.04
23 05 29 00-1158	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	82.41	19.80
23 05 29 00-1159	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	97.77	25.24
23 05 29 00-1160	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	104.87	26.50
23 05 29 00-1161	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	119.12	30.28
23 05 29 00-1162	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	140.49	36.59

23 05 29 00-1163 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate

(23 05 29 00-1094)

23 05 29 00-1164	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.61	8.45
23 05 29 00-1165	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	61.37	8.84
23 05 29 00-1166	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.78	8.84
23 05 29 00-1167	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.33	9.09
23 05 29 00-1168	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	67.15	9.34
23 05 29 00-1169	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	69.18	9.46
23 05 29 00-1170	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	72.82	9.71
23 05 29 00-1171	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.02	10.34
23 05 29 00-1172	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	83.77	10.73
23 05 29 00-1173	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	95.84	13.12
23 05 29 00-1174	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	123.85	14.38
23 05 29 00-1175	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	147.29	15.15
23 05 29 00-1176	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	169.13	19.55
23 05 29 00-1177	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	190.39	20.82
23 05 29 00-1178	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	228.12	27.75
23 05 29 00-1179	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	245.55	30.28
23 05 29 00-1180	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	278.08	32.81
23 05 29 00-1181	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	326.71	40.37

23 05 29 00-1182 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate

(23 05 29 00-1094)

23 05 29 00-1183	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.55	8.20
23 05 29 00-1184	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.85	9.96
23 05 29 00-1185	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	32.21	9.96
23 05 29 00-1186	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.00	10.09
23 05 29 00-1187	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.97	10.22
23 05 29 00-1188	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.21	10.60
23 05 29 00-1189	EA	2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.12	10.98
23 05 29 00-1190	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.77	11.35
23 05 29 00-1191	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.84	11.99
23 05 29 00-1192	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.01	13.63
23 05 29 00-1193	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	64.27	15.15
23 05 29 00-1194	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.56	17.41

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1195	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	87.73	21.71
23 05 29 00-1196	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	98.91	23.72
23 05 29 00-1197	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	117.33	30.28
23 05 29 00-1198	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	125.86	31.80
23 05 29 00-1199	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	143.00	36.34
23 05 29 00-1200	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	168.59	43.91
23 05 29 00-1201 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1094)				
23 05 29 00-1202	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.44	11.10
23 05 29 00-1203	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.87	11.10
23 05 29 00-1204	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.16	11.23
23 05 29 00-1205	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.20	11.35
23 05 29 00-1206	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.99	11.35
23 05 29 00-1207	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.08	12.12
23 05 29 00-1208	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.74	12.24
23 05 29 00-1209	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.77	12.74
23 05 29 00-1210	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	48.16	13.50
23 05 29 00-1211	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	55.12	15.27
23 05 29 00-1212	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	71.35	16.52
23 05 29 00-1213	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	86.15	19.68
23 05 29 00-1214	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	98.72	24.47
23 05 29 00-1215	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	111.30	26.63
23 05 29 00-1216	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	132.07	34.06
23 05 29 00-1217	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	141.53	35.70
23 05 29 00-1218	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	159.03	40.88
23 05 29 00-1219	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	189.70	49.46
23 05 29 00-1220	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	216.39	58.17
23 05 29 00-1221	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	246.29	68.64
23 05 29 00-1222	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	278.75	81.13
23 05 29 00-1223	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	398.94	125.29
23 05 29 00-1224	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	429.74	137.91
23 05 29 00-1225	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	457.93	148.88
23 05 29 00-1226 Equipment Housekeeping Pads (23 05 29)				
See CSI section 03 31 13 00-0002 for Concrete Equipment Pads.				
23 05 29 00-1227 Molded Plastic Condenser Pad (23 05 29 00-1226)				
23 05 29 00-1228	EA	30" Round Molded Plastic Pad	155.26	16.22
23 05 29 00-1229	EA	30" Octagon Molded Plastic Pad	163.34	16.22
23 05 29 00-1230	EA	30" x 30" Molded Plastic Pad.....	155.26	16.22
23 05 29 00-1231	EA	36" x 36" Molded Plastic Pad.....	203.67	16.22
23 05 29 00-1232	EA	36" x 48" Molded Plastic Pad.....	294.24	16.22
23 05 29 00-1233 Inertia Base (23 05 29 00-1226)				
Note: Includes spring isolators.				
23 05 29 00-1234	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	2,413.38	
23 05 29 00-1235	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	2,916.38	
23 05 29 00-1236	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	3,340.51	
23 05 29 00-1237	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	3,817.23	
23 05 29 00-1238 Hanger Assemblies (23 05 29)				
Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.				
23 05 29 00-1239	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly	56.44	20.17
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			12.98	
23 05 29 00-1240	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly	58.83	21.37
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			13.70	
23 05 29 00-1241	EA	1" Standard Duty Clevis Pipe Hanger Assembly	60.76	22.64
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			14.26	
23 05 29 00-1242	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly	61.74	22.68
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			14.47	
23 05 29 00-1243	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly	61.97	22.68
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			14.47	
23 05 29 00-1244	EA	2" Standard Duty Clevis Pipe Hanger Assembly	63.13	22.85
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			14.68	
23 05 29 00-1245	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly	71.40	23.49
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			14.36	
23 05 29 00-1246	EA	3" Standard Duty Clevis Pipe Hanger Assembly	73.31	24.18
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			14.59	
23 05 29 00-1247	EA	4" Standard Duty Clevis Pipe Hanger Assembly	88.71	27.29
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			16.10	
23 05 29 00-1248	EA	6" Standard Duty Clevis Pipe Hanger Assembly	131.70	35.27
Note: Includes hanger, rod, nuts, washers and clamp.				
For Work In Restricted Working Space, Add			21.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 29 00-1249	EA	8" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	150.57	40.91
		<i>For Work In Restricted Working Space, Add</i>	24.54	
23 05 29 00-1250	EA	10" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	206.80	51.96
		<i>For Work In Restricted Working Space, Add</i>	30.79	
23 05 29 00-1251	EA	12" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp.	225.07	55.92
		<i>For Work In Restricted Working Space, Add</i>	33.61	

23 05 29 00-1252 Steel Shapes For Hanger Devices (23 05 29)**23 05 29 00-1253 Angle Iron For Hanger Devices** (23 05 29 00-1252)

23 05 29 00-1254	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	3.03	1.88
23 05 29 00-1255	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	3.95	2.36
23 05 29 00-1256	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	4.87	2.82
23 05 29 00-1257	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	6.72	3.51
23 05 29 00-1258	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	7.50	3.77
23 05 29 00-1259	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	10.05	4.23
23 05 29 00-1260	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	12.52	5.15
23 05 29 00-1261	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	16.21	6.04
23 05 29 00-1262	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	19.35	7.06

23 05 29 00-1263 Channels For Hanger Devices (23 05 29 00-1252)

23 05 29 00-1264	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	8.50	4.56
23 05 29 00-1265	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	14.41	6.55
23 05 29 00-1266	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	17.96	7.87
23 05 29 00-1267	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	21.49	9.17
23 05 29 00-1268	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	26.01	11.01
23 05 29 00-1269	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	31.02	13.11
23 05 29 00-1270	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	35.12	14.43

23 05 29 00-1271 Structural Bar Tees For Hanger Devices (23 05 29 00-1252)

23 05 29 00-1272	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices.....	9.62	6.40
23 05 29 00-1273	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices.....	11.58	7.58
23 05 29 00-1274	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	16.32	8.74
23 05 29 00-1275	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	21.04	11.65
23 05 29 00-1276	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	28.62	13.98
23 05 29 00-1277	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices.....	35.94	18.05

23 05 29 00-1278 Structural Zees For Hanger Devices (23 05 29 00-1252)

23 05 29 00-1279	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices.....	16.34	8.74
23 05 29 00-1280	LF	2-1/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	19.45	8.74
23 05 29 00-1281	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	28.34	8.74
23 05 29 00-1282	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	35.66	8.74
23 05 29 00-1283	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	43.24	8.74

23 05 29 00-1284 Junior I-beams For Hanger Devices (23 05 29 00-1252)

23 05 29 00-1285	LF	3" I-beam (Junior) For Hanger Devices	20.53	12.82
23 05 29 00-1286	LF	4" I-beam (Junior) For Hanger Devices	23.53	13.98
23 05 29 00-1287	LF	5" I-beam (Junior) For Hanger Devices	27.07	15.14
23 05 29 00-1288	LF	6" I-beam (Junior) For Hanger Devices	29.59	16.89
23 05 29 00-1289	LF	7" I-beam (Junior) For Hanger Devices	34.95	18.05
23 05 29 00-1290	LF	8" I-beam (Junior) For Hanger Devices	37.83	19.22

23 05 33 Heat Tracing for HVAC Piping (23 05)

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC (23 05)**23 05 48 13 Vibration Controls for HVAC** (23 05 48)**23 05 48 13-0001 Unhoused Stable Steel Spring Isolators** (23 05 48 13)

Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.

23 05 48 13-0002	EA	60 Lb. Capacity, Unhoused Steel Spring Isolator	119.18	36.32
23 05 48 13-0003	EA	115 Lb. Capacity, Unhoused Steel Spring Isolator	126.72	36.32
23 05 48 13-0004	EA	1,130 Lb. Capacity, Unhoused Steel Spring Isolator	151.74	36.32

23 05 48 13-0005 Housed Stable Steel Spring Isolators (23 05 48 13)Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only.
Mason Industries, Inc.

23 05 48 13-0006	EA	To 770 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	268.68	36.32
23 05 48 13-0007	EA	To 1,040 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	298.93	36.32
23 05 48 13-0008	EA	To 1,600 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	314.05	36.32
23 05 48 13-0009	EA	To 2,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	374.55	36.32
23 05 48 13-0010	EA	To 3,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	389.67	36.32
23 05 48 13-0011	EA	To 730 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	295.15	36.32
23 05 48 13-0012	EA	To 930 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	321.62	36.32

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
23 05 48 13-0013	EA	To 1,440 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	340.52		36.32
23 05 48 13-0014	EA	To 1,860 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	427.48		36.32
23 05 48 13-0015	EA	To 2,880 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	461.51		36.32
23 05 48 13-0016	EA	To 3,720 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	540.91		36.32
23 05 48 13-0017		Vibration Isolators (23 05 48 13)			
23 05 48 13-0018		Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0017)			
23 05 48 13-0019	EA	50 To 500 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size.....	157.43		23.36
23 05 48 13-0020	EA	600 To 1,000 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size.....	331.06		25.96
23 05 48 13-0021		Rubber-In-Shear Isolator Hanger (23 05 48 13-0017)			
23 05 48 13-0022	EA	45-340 Lb. Rated Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	87.52		19.47
23 05 48 13-0023	EA	130-700 Lb. Rated Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	113.43		23.36
23 05 48 13-0024		Spring Hanger For 1" Deflection (23 05 48 13-0017)			
23 05 48 13-0025	EA	50 To 1,000 Lb. Rated Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size.....	99.27		23.36
23 05 48 13-0026	EA	2" x 5/8" x 3-3/8" Isolation Spring Hanger (SHE Type), 25-350 Lb.	138.68		23.36
23 05 48 13-0027	EA	2" x 5/8" x 3-3/8" Isolation Spring Hanger (SHE Type), 350-600 Lb.	202.29		23.36
23 05 48 13-0028	EA	2" x 3/4" x 4-5/8" Isolation Spring Hanger (SHE Type), 45-900 Lb.	221.74		23.36
23 05 48 13-0029	EA	2" x 3/4" x 4-5/8" Isolation Spring Hanger (SHE Type), 900-1,500 Lb.	241.19		23.36
23 05 48 13-0030		Rubber-In-Shear Vibration Isolator (23 05 48 13-0017)			
23 05 48 13-0031	EA	45 To 340 Lb. Rubber In Shear Vibration Isolation With 0.38" Deflection.....	182.67		44.13
23 05 48 13-0032	EA	130 To 700 Lb. Rubber In Shear Vibration Isolation With 0.43" Deflection.....	249.42		44.13
23 05 48 13-0033	EA	550 To 1,920 Lb. Rubber In Shear Vibration Isolation With 0.48" Deflection.....	478.51		44.13
23 05 48 13-0034		Two-Piece Spring Type Vibration Isolator (23 05 48 13-0017)			
Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.					
23 05 48 13-0035	EA	50 To 1,000 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	154.54		44.13
23 05 48 13-0036	EA	>1,000 To 1,600 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	159.51		44.13
23 05 48 13-0037		Open Double Spring Type Vibration Isolator (23 05 48 13-0017)			
Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.					
23 05 48 13-0038	EA	150 To 450 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	120.23		22.06
23 05 48 13-0039	EA	500 To 1,000 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	120.23		22.06
23 05 48 13-0040	EA	1,100 To 1,600 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	136.81		22.06
23 05 48 13-0041	EA	1,700 To 2,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	136.81		22.06
23 05 48 13-0042	EA	2,500 To 3,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	211.81		22.06
23 05 48 13-0043		Isolation Pads (23 05 48 13-0017)			
23 05 48 13-0044		Laminated Neoprene And Cork Isolation Pad (23 05 48 13-0043)			
23 05 48 13-0045	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	7.82		3.24
23 05 48 13-0046	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	9.95		3.37
23 05 48 13-0047	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	12.42		3.50
23 05 48 13-0048	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	48.39		4.03
23 05 48 13-0049	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	92.37		4.54
23 05 48 13-0050		Neoprene And Steel Plate Isolation Pad (23 05 48 13-0043)			
23 05 48 13-0051	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	118.25		3.24
23 05 48 13-0052	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	130.60		3.24
23 05 48 13-0053		Neoprene Isolation Pad (23 05 48 13-0043)			
23 05 48 13-0054	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	7.31		3.24
23 05 48 13-0055	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	8.30		3.24
23 05 48 13-0056	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	9.90		3.24
23 05 48 13-0057	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad.....	47.61		3.90
23 05 48 13-0058	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	86.82		4.54
23 05 48 13-0059		Ribbed Neoprene Isolation Pad (23 05 48 13-0043)			
23 05 48 13-0060	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	7.18		3.24
23 05 48 13-0061	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	8.05		3.37
23 05 48 13-0062	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	9.46		3.50
23 05 48 13-0063	EA	6" x 6", 3/8" Thick Ribbed Neoprene Isolation Pad.....	12.75		3.76
23 05 48 13-0064	EA	9" x 9", 3/8" Thick Ribbed Neoprene Isolation Pad.....	21.72		4.03
23 05 48 13-0065	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	39.63		4.54
23 05 48 13-0066		Cork And Ribbed Neoprene Isolation Pad (23 05 48 13-0043)			
23 05 48 13-0067	EA	2" x 2", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	7.48		3.24
23 05 48 13-0068	EA	3" x 3", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	9.45		3.37
23 05 48 13-0069	EA	4" x 4", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	11.66		3.50
23 05 48 13-0070	EA	6" x 6", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	16.06		3.76

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 05 48 13-0071	EA	9" x 9", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	28.83	4.03	
23 05 48 13-0072	EA	18" x 18", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	60.85	4.54	
23 05 48 13-0073		Cork, Ribbed Neoprene And Steel Isolation Pad (23 05 48 13-0043)			
23 05 48 13-0074	EA	2" x 2", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	79.04	3.24	
23 05 48 13-0075	EA	3" x 3", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	99.39	3.37	
23 05 48 13-0076	EA	4" x 4", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	132.08	3.50	
23 05 48 13-0077	EA	5" x 5", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	169.15	3.76	
23 05 48 13-0078	EA	6" x 6", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	207.49	4.03	
23 05 48 13-0079	EA	8" x 8", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	252.16	4.54	
23 05 48 13-0080		Rubber Cube Isolation Pad (23 05 48 13-0043)			
23 05 48 13-0081	EA	2" x 2", 3/4" Thick Rubber Cube Isolation Pad	7.58	3.24	
23 05 48 13-0082	EA	4" x 4", 3/4" Thick Rubber Cube Isolation Pad	11.76	3.50	
23 05 48 13-0083	EA	18" x 18", 3/4" Thick Rubber Cube Isolation Pad	72.06	4.54	
23 05 48 13-0084		Vibration Isolators For Equipment (23 05 48 13)			
23 05 48 13-0085		Isolation Mounts For Equipment (23 05 48 13-0084)			
23 05 48 13-0086		Molded Neoprene Mounts (23 05 48 13-0085)			
23 05 48 13-0087	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 25-45 Lb.	85.54	6.49	
23 05 48 13-0088	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 45-110 Lb.	85.54	6.49	
23 05 48 13-0089	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 110-210 Lb.	85.54	6.49	
23 05 48 13-0090	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 210-340 Lb.	85.54	6.49	
23 05 48 13-0091	EA	4-1/4" x 2-1/2" x 2-1/8" Molded Neoprene Mount, 230-380 Lb.	95.51	7.79	
23 05 48 13-0092	EA	4-1/4" x 2-1/2" x 2-1/8" Molded Neoprene Mount, 380-700 Lb.	203.80	7.79	
23 05 48 13-0093	EA	6" x 3-1/2" x 2-3/8" Molded Neoprene Mount, 550-930 Lb.	207.70	9.73	
23 05 48 13-0094		Cup Mounts (23 05 48 13-0085)			
23 05 48 13-0095	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 8-14 Lb.	283.73	6.49	
23 05 48 13-0096	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 14-24 Lb.	283.73	6.49	
23 05 48 13-0097	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 24-38 Lb.	283.73	6.49	
23 05 48 13-0098	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 38-60 Lb.	283.73	6.49	
23 05 48 13-0099	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 15-30 Lb.	411.47	6.49	
23 05 48 13-0100	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 30-50 Lb.	411.47	6.49	
23 05 48 13-0101	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 50-80 Lb.	411.47	6.49	
23 05 48 13-0102	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 80-110 Lb.	411.47	6.49	
23 05 48 13-0103		Free Standing Spring Mounts, 1" Deflection (OML Type) (23 05 48 13-0085)			
23 05 48 13-0104	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 25-50 Lb.	189.10	16.22	
23 05 48 13-0105	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 50-100 Lb.	189.10	16.22	
23 05 48 13-0106	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 100-150 Lb.	189.10	16.22	
23 05 48 13-0107	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 150-250 Lb.	189.10	16.22	
23 05 48 13-0108	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 250-350 Lb.	189.10	16.22	
23 05 48 13-0109	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 350-450 Lb.	206.45	16.22	
23 05 48 13-0110	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 450-300 Lb.	206.45	16.22	
23 05 48 13-0111		Free Standing Spring Mounts, 1" Deflection (OM Type) (23 05 48 13-0085)			
23 05 48 13-0112	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 75-150 Lb.	271.08	17.52	
23 05 48 13-0113	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 150-250 Lb.	271.08	17.52	
23 05 48 13-0114	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 250-350 Lb.	271.08	17.52	
23 05 48 13-0115	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 350-500 Lb.	271.08	17.52	
23 05 48 13-0116	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 500-600 Lb.	271.08	17.52	
23 05 48 13-0117	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 600-750 Lb.	271.08	17.52	
23 05 48 13-0118	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 750-900 Lb.	271.08	17.52	
23 05 48 13-0119	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 900-1,100 Lb.	271.08	17.52	
23 05 48 13-0120		Free Standing Spring Mounts, 2" Deflection (OM Type) (23 05 48 13-0085)			
23 05 48 13-0121	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 75-150 Lb.	724.14	21.41	
23 05 48 13-0122	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 150-275 Lb.	724.14	21.41	
23 05 48 13-0123	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 275-425 Lb.	724.14	21.41	
23 05 48 13-0124	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 425-500 Lb.	724.14	21.41	
23 05 48 13-0125	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 500-650 Lb.	724.14	21.41	
23 05 48 13-0126	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 650-775 Lb.	724.14	21.41	
23 05 48 13-0127	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 775-1,000 Lb.	724.14	21.41	
23 05 48 13-0128	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 1,000-1,150 Lb.	724.14	21.41	
23 05 48 13-0129		Housed Fail Safe Spring Mounts, 1" Deflection (HMLE Type) (23 05 48 13-0085)			
Note: With external adjustment bolt.					
23 05 48 13-0130	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 25-50 Lb.	274.97	19.47	
23 05 48 13-0131	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 50-100 Lb.	274.97	19.47	
23 05 48 13-0132	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 100-150 Lb.	274.97	19.47	
23 05 48 13-0133	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 150-250 Lb.	274.97	19.47	
23 05 48 13-0134	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 250-350 Lb.	286.01	19.47	
23 05 48 13-0135	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 350-450 Lb.	331.74	19.47	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0136	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 450-600 Lb.....	331.74	19.47
23 05 48 13-0137 Housed Fail Safe Spring Mounts, 1" Deflection (HME Type) (23 05 48 13-0085)				
Note: With external adjustment bolt.				
23 05 48 13-0138	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 45-90 Lb.....	392.42	21.41
23 05 48 13-0139	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 90-120 Lb.....	392.42	21.41
23 05 48 13-0140	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 120-175 Lb.....	392.42	21.41
23 05 48 13-0141	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 175-250 Lb.....	392.42	21.41
23 05 48 13-0142	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 250-330 Lb.....	392.42	21.41
23 05 48 13-0143	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 330-450 Lb.....	427.12	21.41
23 05 48 13-0144	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 450-600 Lb.....	427.12	21.41
23 05 48 13-0145	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 600-750 Lb.....	427.12	21.41
23 05 48 13-0146	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 750-900 Lb.....	427.12	21.41
23 05 48 13-0147	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 900-1,100 Lb.....	468.12	21.41
23 05 48 13-0148	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 1,100-1,300 Lb.....	468.12	21.41
23 05 48 13-0149	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 1,300-1,500 Lb.....	468.12	21.41
23 05 48 13-0150 Housed Fail Safe Spring Mount, 2" Deflection (HME Type) (23 05 48 13-0085)				
Note: With external adjustment bolt.				
23 05 48 13-0151	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 48-90 Lb.....	566.95	21.41
23 05 48 13-0152	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 90-120 Lb.....	566.95	21.41
23 05 48 13-0153	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 120-175 Lb.....	566.95	21.41
23 05 48 13-0154	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 175-250 Lb.....	566.95	21.41
23 05 48 13-0155	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 250-330 Lb.....	566.95	21.41
23 05 48 13-0156	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 330-450 Lb.....	566.95	21.41
23 05 48 13-0157	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 450-600 Lb.....	625.31	21.41
23 05 48 13-0158	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 600-750 Lb.....	625.31	21.41
23 05 48 13-0159	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 500-660 Lb.....	992.77	21.41
23 05 48 13-0160	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 660-900 Lb.....	992.77	21.41
23 05 48 13-0161	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 900-1,200 Lb.....	992.77	21.41
23 05 48 13-0162	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 1,200-1,500 Lb.....	992.77	21.41
23 05 48 13-0163 Housed Fail Safe Spring Mount, 1" Deflection (HMLT Type) (23 05 48 13-0085)				
Note: Skid resistant neoprene top and external adjustment bolt.				
23 05 48 13-0164	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 25-50 Lb.....	330.51	16.22
23 05 48 13-0165	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 50-100 Lb.....	330.51	16.22
23 05 48 13-0166	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 100-150 Lb.....	330.51	16.22
23 05 48 13-0167	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 150-250 Lb.....	330.51	16.22
23 05 48 13-0168	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 250-350 Lb.....	330.51	16.22
23 05 48 13-0169	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 350-450 Lb.....	343.13	16.22
23 05 48 13-0170	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 450-600 Lb.....	343.13	16.22
23 05 48 13-0171 Vibration Hangers (23 05 48 13-0085)				
Note: RH type neoprene hanger.				
23 05 48 13-0172	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 60 To 100 Lb.....	214.01	29.20
23 05 48 13-0173	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 100 To 175 Lb.....	214.01	29.20
23 05 48 13-0174	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 175 To 300 Lb.....	291.29	29.20
23 05 48 13-0175	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 300 To 700 Lb.....	291.29	29.20
23 05 48 13-0176	EA	3" x 2" x 7"H Neoprene Vibration Hanger, 700 To 1,100 Lb.....	441.20	35.68
23 05 48 13-0177	EA	3" x 2" x 7"H Neoprene Vibration Hanger, 1,100 To 2,000 Lb.....	441.20	35.68
23 05 48 13-0178 Threaded Flexible Bronze Hose Connectors (23 05 48 13)				
Note: Includes hex threaded nipple ends.				
23 05 48 13-0179	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	84.70	20.76
23 05 48 13-0180	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	99.26	28.54
23 05 48 13-0181	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	121.85	35.04
23 05 48 13-0182	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	141.79	41.53
23 05 48 13-0183	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	162.57	54.50
23 05 48 13-0184	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	183.11	58.00
23 05 48 13-0185	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	245.15	68.77
23 05 48 13-0186	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	338.35	107.18
23 05 48 13-0187 Weld End Flexible Hose Connectors (23 05 48 13)				
23 05 48 13-0188	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends.....	251.25	74.48
23 05 48 13-0189	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends.....	292.17	81.75
23 05 48 13-0190	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends.....	327.66	86.55
23 05 48 13-0191	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends.....	366.92	98.62
23 05 48 13-0192	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends.....	414.62	106.41
23 05 48 13-0193	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends.....	521.91	138.45
23 05 48 13-0194	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends.....	768.94	155.72
23 05 48 13-0195	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends.....	943.93	175.18
23 05 48 13-0196	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends.....	1,311.98	259.53

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 48 13-0197	Flanged Flexible Hose Connectors (23 05 48 13)		
23 05 48 13-0198	Flanged Flexible Molded Rubber Hose Connectors (23 05 48 13-0197)		
	Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0199	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	256.96 97.32
23 05 48 13-0200	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	278.03 108.10
23 05 48 13-0201	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	452.33 215.93
23 05 48 13-0202	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	626.50 321.17
23 05 48 13-0203	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	816.30 414.60
23 05 48 13-0204	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,037.58 431.14
23 05 48 13-0205	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,261.30 492.42
23 05 48 13-0206	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,633.47 586.01
23 05 48 13-0207	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	3,957.59 732.94
23 05 48 13-0208	Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 13-0197)		
	Note: With braided metal wire.		
23 05 48 13-0209	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	200.08 88.50
23 05 48 13-0210	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	194.34 121.72
23 05 48 13-0211	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	373.35 162.21
23 05 48 13-0212	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	484.57 243.31
23 05 48 13-0213	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	521.14 267.71
23 05 48 13-0214	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	605.59 324.16
23 05 48 13-0215	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	775.39 414.99
23 05 48 13-0216	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,069.15 516.33
23 05 48 13-0217	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,747.35 689.83
23 05 48 13-0218	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,056.59 797.67
23 05 48 13-0219	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,646.25 862.29
23 05 48 13-0220	Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0197)		
	Note: 150 PSI.		
23 05 48 13-0221	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,119.79 188.16
23 05 48 13-0222	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,255.95 220.61
23 05 48 13-0223	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,903.45 370.76
23 05 48 13-0224	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,312.79 431.14
23 05 48 13-0225	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	3,040.42 528.87
23 05 48 13-0226	Flexible Hose Connectors Braided Metal Hose Type (23 05 48 13)		
23 05 48 13-0227	Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0226)		
	Note: MPT connection.		
23 05 48 13-0228	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	44.30 2.60
23 05 48 13-0229	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	52.96 2.60
23 05 48 13-0230	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	58.92 3.37
23 05 48 13-0231	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	71.67 3.37
23 05 48 13-0232	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	59.32 3.11
23 05 48 13-0233	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	71.67 3.11
23 05 48 13-0234	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	82.00 4.02
23 05 48 13-0235	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	101.24 4.02
23 05 48 13-0236	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	80.94 3.63
23 05 48 13-0237	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	88.52 3.63
23 05 48 13-0238	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	105.17 4.80
23 05 48 13-0239	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	133.31 4.80
23 05 48 13-0240	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	161.23 4.80
23 05 48 13-0241	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	189.25 4.80
23 05 48 13-0242	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	115.30 4.66
23 05 48 13-0243	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	127.11 4.66
23 05 48 13-0244	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	163.11 4.66
23 05 48 13-0245	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	226.78 6.21
23 05 48 13-0246	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	263.06 6.21
23 05 48 13-0247	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	311.33 6.21
23 05 48 13-0248	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	157.86 5.62
23 05 48 13-0249	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	182.54 5.62
23 05 48 13-0250	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	230.35 5.62
23 05 48 13-0251	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	307.22 7.53
23 05 48 13-0252	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	380.08 7.53
23 05 48 13-0253	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	452.87 7.53
23 05 48 13-0254	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	219.22 7.05
23 05 48 13-0255	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	249.62 6.68
23 05 48 13-0256	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	280.33 6.68
23 05 48 13-0257	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	345.69 8.96
23 05 48 13-0258	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	407.44 8.96
23 05 48 13-0259	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	467.27 8.96
23 05 48 13-0260	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	345.72 8.96
23 05 48 13-0261	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	386.74 8.96
23 05 48 13-0262	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	930.30 8.96
23 05 48 13-0263	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,120.34 11.95
23 05 48 13-0264	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	598.94 11.95
23 05 48 13-0265	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	679.66 11.95

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
23 05 48 13-0266	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	631.87		10.07
23 05 48 13-0267	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	679.80		10.07
23 05 48 13-0268	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	727.73		10.07
23 05 48 13-0269	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	831.79		13.42
23 05 48 13-0270	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	927.28		13.42
23 05 48 13-0271	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	1,024.82		13.42
23 05 48 13-0272 Braided Stainless Steel Flexible Hose Connectors (23 05 48 13-0226)					
Note: Over braided carbon steel connection.					
23 05 48 13-0273	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	188.09		5.69
23 05 48 13-0274	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	227.30		5.69
23 05 48 13-0275	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	265.78		5.69
23 05 48 13-0276	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	347.88		7.63
23 05 48 13-0277	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	425.87		7.63
23 05 48 13-0278	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	503.78		7.63
23 05 48 13-0279	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	213.22		6.68
23 05 48 13-0280	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	254.21		6.68
23 05 48 13-0281	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	295.38		6.68
23 05 48 13-0282	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	382.67		8.96
23 05 48 13-0283	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	464.67		8.96
23 05 48 13-0284	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	545.54		8.96
23 05 48 13-0285	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	226.22		8.96
23 05 48 13-0286	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	273.17		9.20
23 05 48 13-0287	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	320.79		8.96
23 05 48 13-0288	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	424.84		11.95
23 05 48 13-0289	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	519.57		11.95
23 05 48 13-0290	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	616.98		11.95
23 05 48 13-0291	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	456.13		17.43
23 05 48 13-0292	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	673.26		17.56
23 05 48 13-0293	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	902.91		23.12
23 05 48 13-0294	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,120.13		23.12
23 05 48 13-0295	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,337.30		23.12
23 05 48 13-0296	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	789.43		20.39
23 05 48 13-0297	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	953.71		20.39
23 05 48 13-0298	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,293.12		26.51
23 05 48 13-0299	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,619.02		26.51
23 05 48 13-0300	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,944.83		26.51
23 05 48 13-0301	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	845.27		25.50
23 05 48 13-0302	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,255.99		25.50
23 05 48 13-0303	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,682.39		33.20
23 05 48 13-0304	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,094.55		33.20
23 05 48 13-0305	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,504.96		33.20
23 05 48 13-0306	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,679.12		30.82
23 05 48 13-0307	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,191.69		30.82
23 05 48 13-0308	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,741.60		41.47
23 05 48 13-0309	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	3,258.67		41.47
23 05 48 13-0310	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	3,778.15		41.47

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 48 13-0311		Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0226)	
		Note: Flanged end connection (carbon steel ends).	
23 05 48 13-0312	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	414.28 5.62
23 05 48 13-0313	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	774.44 159.21
23 05 48 13-0314	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	948.36 159.21
23 05 48 13-0315	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,122.29 159.21
23 05 48 13-0316	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,296.28 159.21
23 05 48 13-0317	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	709.49 203.05
23 05 48 13-0318	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	892.77 203.05
23 05 48 13-0319	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,076.12 203.05
23 05 48 13-0320	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,259.53 203.05
23 05 48 13-0321	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,439.74 203.05
23 05 48 13-0322	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	987.54 340.40
23 05 48 13-0323	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,201.47 341.26
23 05 48 13-0324	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,418.88 340.40
23 05 48 13-0325	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,661.95 340.40
23 05 48 13-0326	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,847.69 340.40
23 05 48 13-0327	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	1,532.34 435.76
23 05 48 13-0328	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,017.05 435.76
23 05 48 13-0329	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,502.04 437.33
23 05 48 13-0330	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,986.83 435.76
23 05 48 13-0331	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,471.54 435.76
23 05 48 13-0332	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,519.63 521.27
23 05 48 13-0333	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	2,886.33 521.27
23 05 48 13-0334	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	3,613.37 521.27
23 05 48 13-0335	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,340.68 521.27
23 05 48 13-0336	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,067.65 521.27
23 05 48 13-0337	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	4,129.80 634.59
23 05 48 13-0338	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,043.39 634.59
23 05 48 13-0339	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,963.13 634.59
23 05 48 13-0340	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	6,880.89 634.59
23 05 48 13-0341	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	7,622.61 634.59
23 05 48 13-0342	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	5,609.27 770.57
23 05 48 13-0343	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	6,768.60 770.57
23 05 48 13-0344	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	7,927.86 770.57
23 05 48 13-0345	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	9,087.13 770.57
23 05 48 13-0346	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	10,246.46 770.57

23 05 53 Identification for HVAC Piping and Equipment (23 05)**23 05 53 00-0001** Systems Identification (23 05 53)**23 05 53 00-0002** Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker.....	21.86
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker.....	22.19
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker.....	22.36
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker.....	22.70
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker.....	26.31
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker.....	26.89
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker.....	42.44
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker.....	42.91

				TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
MINOR	CSI	UOM	DESCRIPTION		
23 05 53 00-0011	EA		3-1/2" Outside Diameter Snap-On Plastic Marker	43.40	
23 05 53 00-0012	EA		4" Outside Diameter Snap-On Plastic Marker.....	43.67	
23 05 53 00-0013	EA		4-1/2" Outside Diameter Snap-On Plastic Marker	43.94	
23 05 53 00-0014	EA		5" Outside Diameter Snap-On Plastic Marker.....	44.23	
23 05 53 00-0015	EA		6" Outside Diameter Snap-On Plastic Marker.....	46.32	
23 05 53 00-0016	EA		7" Outside Diameter Snap-On Plastic Marker.....	46.64	
23 05 53 00-0017	EA		8" Outside Diameter Snap-On Plastic Marker.....	57.30	
23 05 53 00-0018	EA		10" Outside Diameter Snap-On Plastic Marker.....	59.30	
23 05 53 00-0019	EA		12" Outside Diameter Snap-On Plastic Marker	68.34	
23 05 53 00-0020	EA		14" Outside Diameter Snap-On Plastic Marker	78.37	
23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)					
Note: Outside diameter includes insulation where necessary.					
23 05 53 00-0022	EA		1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.17	
23 05 53 00-0023	EA		3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.82	
23 05 53 00-0024	EA		1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.13	
23 05 53 00-0025	EA		1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.38	
23 05 53 00-0026	EA		1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.60	
23 05 53 00-0027	EA		2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.99	
23 05 53 00-0028	EA		2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.50	
23 05 53 00-0029	EA		3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.01	
23 05 53 00-0030	EA		3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.40	
23 05 53 00-0031	EA		4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.80	
23 05 53 00-0032	EA		4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.61	
23 05 53 00-0033	EA		5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.48	
23 05 53 00-0034	EA		6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	25.25	
23 05 53 00-0035	EA		7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.00	
23 05 53 00-0036	EA		8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	28.78	
23 05 53 00-0037	EA		10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	30.21	
23 05 53 00-0038	EA		12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	35.34	
23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)					
Note: Includes beaded chain and/or "S" hook.					
23 05 53 00-0040	EA		2" Diameter Identification Tag, Brass.....	13.27	
23 05 53 00-0041	EA		1-1/2" Diameter Identification Tag, Plastic	12.50	
23 05 53 00-0042	EA		1-1/2" Diameter Identification Tag, Brass	12.26	
23 05 53 00-0043 Medical Pipe Labels Pressure-Sensitive (23 05 53 00-0001)					
23 05 53 00-0044	LF		3" Wide, Vinyl Medical Gas Pipe Pressure Sensitive Stick-On Label	24.38	
Note: To be wrapped around pipe insulation per location					
23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment (23 05)					
23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)					
23 05 66 00-0002	EA		24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO).....	1,090.40	90.76
Note: Includes tube.					
23 05 66 00-0003	EA		30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO).....	1,093.36	94.65
Note: Includes tube.					
23 05 66 00-0004	EA		36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO).....	1,144.44	99.45
Note: Includes tube.					
23 05 66 00-0005	EA		42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO).....	1,238.54	103.72
Note: Includes tube.					
23 05 66 00-0006	EA		62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO).....	1,165.86	106.97
Note: Includes tube.					
23 05 66 00-0007 Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)					
23 05 66 00-0008	EA		12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO)	877.97	59.90
Note: Includes tube.					
23 05 66 00-0009	EA		16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO)	889.98	64.82
Note: Includes tube.					
23 05 66 00-0010	EA		20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO)	913.04	68.72
Note: Includes tube.					
23 05 66 00-0011	EA		24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO)	924.26	73.90
Note: Includes tube.					
23 05 66 00-0012	EA		30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO)	948.11	77.79
Note: Includes tube.					
23 05 66 00-0013	EA		36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO)	965.64	81.68
Note: Includes tube.					
23 05 66 00-0014	EA		42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO)	988.71	86.87
Note: Includes tube.					
23 05 66 00-0015	EA		12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO)	1,000.25	59.90
Note: Includes tube.					
23 05 66 00-0016	EA		16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO)	1,012.26	64.82
Note: Includes tube.					
23 05 66 00-0017	EA		20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO)	1,035.31	68.72
Note: Includes tube.					
23 05 66 00-0018	EA		24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO)	1,046.54	73.90
Note: Includes tube.					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 05 66 00-0019	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	1,070.39		77.79
23 05 66 00-0020	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	1,087.92		81.68
23 05 66 00-0021	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	1,110.99		86.87
23 05 66 00-0022	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	698.56		64.82
23 05 66 00-0023	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	721.62		68.72
23 05 66 00-0024	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	732.85		73.90
23 05 66 00-0025	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	756.70		77.79
23 05 66 00-0026	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	774.23		81.68
23 05 66 00-0027	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	797.30		86.87
23 05 66 00-0028 Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 05 66)					
23 05 66 00-0029	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	642.42		82.98
23 05 66 00-0030	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	656.51		86.87
23 05 66 00-0031	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	670.58		90.76
23 05 66 00-0032	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	689.58		94.65
23 05 66 00-0033	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	714.21		99.45
23 05 66 00-0034	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	735.88		103.72
23 05 66 00-0035 Ultraviolet HVAC Microbial Control Replacement Parts (23 05 66)					
23 05 66 00-0036	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	169.83		
23 05 66 00-0037	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	178.57		
23 05 66 00-0038	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	203.07		
23 05 66 00-0039	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	234.62		
23 05 66 00-0040	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	266.85		
23 05 66 00-0041	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	270.24		
23 05 66 00-0042	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	128.00		
23 05 66 00-0043	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	134.82		
23 05 66 00-0044	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	152.69		
23 05 66 00-0045	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	158.73		
23 05 66 00-0046	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	177.39		
23 05 66 00-0047	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	189.73		
23 05 66 00-0048	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	207.62		
23 05 66 00-0049	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	498.00		
23 05 66 00-0050 Ultraviolet HVAC Microbial Control Mounting Accessories (23 05 66)					
23 05 66 00-0051	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610)	722.85		
23 05 66 00-0052	EA	Note: Includes 61" emitter, power supply, wires and connectors.			
23 05 66 00-0052	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620)	925.96		
23 05 66 00-0053	EA	Note: Includes 61" emitter, power supply, wires and connectors.			
23 05 66 00-0053	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1)	419.42		
23 05 66 00-0054	EA	Note: Includes power supply, wires and connectors. Excludes emitter.			
23 05 66 00-0054	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2)	444.29		
23 05 66 00-0055	EA	Note: Includes power supply, wires and connectors. Excludes emitter.			
23 05 66 00-0055	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3)	575.16		
23 05 66 00-0056	EA	Note: Includes power supply, wires and connectors. Excludes emitter.			
23 05 66 00-0056	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4)	356.81		
23 05 66 00-0057	EA	Note: Includes power supply, wires and connectors. Excludes emitter.			
23 05 66 00-0057	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5)	387.40		
23 05 66 00-0058	EA	Note: Includes power supply, wires and connectors. Excludes emitter.			
23 05 66 00-0058	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6)	504.00		
23 05 66 00-0059	EA	Note: Includes power supply, wires and connectors. Excludes emitter.			
23 05 66 00-0059	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7)	496.94		
23 05 66 00-0060	LF	Note: Includes power supply, wires and connectors. Excludes emitter.			
23 05 66 00-0060	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	18.69		
23 05 66 00-0061	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	62.90		
23 05 66 00-0062	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	21.48		
23 05 66 00-0063	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	20.25		
23 05 66 00-0064	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	57.86		
23 05 66 00-0065	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	69.55		
23 05 66 00-0066	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	61.70		
23 05 66 00-0067	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	49.94		
23 05 66 00-0068	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	47.14		
23 05 66 00-0069	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	25.18		
23 05 66 00-0070	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	53.08		
23 05 66 00-0071	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	25.29		
23 05 66 00-0072	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	101.33		
23 05 66 00-0073	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	106.59		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0074		Ultraviolet Duct Disinfection Unit (eLEDLights) (23 05 66)		
23 05 66 00-0075	EA	Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1).....	1,480.86	119.93
23 05 66 00-0076	EA	Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1).....	1,656.43	126.41
23 05 66 00-0077	EA	Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1).....	1,718.68	136.14
23 05 66 00-0078	EA	Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1).....	1,798.02	145.86
23 05 66 00-0079	EA	Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1).....	1,851.71	155.59
23 05 66 00-0080	EA	Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1).....	2,232.70	162.07
23 05 66 00-0081	EA	Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1).....	2,236.70	126.41
23 05 66 00-0082	EA	Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1).....	2,324.62	136.14
23 05 66 00-0083	EA	Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1).....	2,686.40	145.86
23 05 66 00-0084	EA	Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1).....	2,791.44	155.59
23 05 66 00-0085		Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) (23 05 66)		
		Note: Includes 2 Year Warranty		
23 05 66 00-0086	EA	Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-218D-HO).....	1,137.17	126.41
23 05 66 00-0087	EA	Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-218Q-HO).....	1,921.26	126.41
23 05 66 00-0088	EA	Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-218H-HO).....	2,706.40	126.41
23 05 66 00-0089	EA	Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-224D-HO).....	1,169.28	136.14
23 05 66 00-0090	EA	Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-224Q-HO).....	1,963.93	136.14
23 05 66 00-0091	EA	Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-224H-HO).....	2,759.62	136.14
23 05 66 00-0092	EA	Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-232D-HO).....	1,199.28	145.86
23 05 66 00-0093	EA	Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-232Q-HO).....	2,006.58	145.86
23 05 66 00-0094	EA	Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-232H-HO).....	2,812.83	145.86
23 05 66 00-0095	EA	Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-246D-HO).....	1,327.73	162.07
23 05 66 00-0096	EA	Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-246Q-HO).....	2,212.07	162.07
23 05 66 00-0097	EA	Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-246H-HO).....	3,096.41	162.07
23 05 66 00-0098	EA	Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-260D-HO).....	1,553.27	178.28
23 05 66 00-0099	EA	Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-260Q-HO).....	2,631.79	178.28
23 05 66 00-0100	EA	Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUV-ADS-260H-HO).....	3,709.25	178.28
23 05 93		Testing, Adjusting, and Balancing for HVAC (23 05)		
		Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.		
23 05 93 00-0001		Heating And Ventilating Equipment (23 05 93)		
23 05 93 00-0002	EA	Balancing Centrifugal Fans.....	555.88	
		For Testing Of Unit Without Balancing, Deduct.....	-277.94	
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units.....	694.57	
		For Testing Of Unit Without Balancing, Deduct.....	-347.29	
23 05 93 00-0004	EA	Balancing In Line Fan.....	625.36	
		For Testing Of Unit Without Balancing, Deduct.....	-312.68	
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan.....	138.97	
		For Testing Of Unit Without Balancing, Deduct.....	-69.49	
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan.....	416.88	
		For Testing Of Unit Without Balancing, Deduct.....	-208.44	
23 05 93 00-0007	EA	Balancing Wall Fan.....	104.20	
		For Testing Of Unit Without Balancing, Deduct.....	-52.10	
23 05 93 00-0008	EA	Balancing Fan Section Exhaust.....	554.99	
		For Testing Of Unit Without Balancing, Deduct.....	-277.50	
23 05 93 00-0009		Air Conditioning Equipment (23 05 93)		
23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit.....	955.99	
		For Testing Of Unit Without Balancing, Deduct.....	-478.00	
23 05 93 00-0011	EA	Balancing Package A/C Unit.....	358.50	
		For Testing Of Unit Without Balancing, Deduct.....	-179.25	
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit.....	478.00	
		For Testing Of Unit Without Balancing, Deduct.....	-239.00	
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit.....	1,672.99	
		For Testing Of Unit Without Balancing, Deduct.....	-836.50	
23 05 93 00-0014		Registers, Diffusers, Terminal Air Units And Dampers (23 05 93)		
23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser.....	104.22	
		For Testing Of Unit Without Balancing, Deduct.....	-52.11	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser.....	173.71	
		For Testing Of Unit Without Balancing, Deduct.....	-86.86	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser.....	90.33	
		For Testing Of Unit Without Balancing, Deduct.....	-45.17	
23 05 93 00-0018	EA	Balance Variable Air Volume Box.....	97.87	
		For Testing Of Unit Without Balancing, Deduct.....	-48.94	
23 05 93 00-0019	EA	Balance Constant Volume Box.....	97.87	
		For Testing Of Unit Without Balancing, Deduct.....	-48.94	
23 05 93 00-0020	EA	Balance Fan Powered Box.....	111.17	
		For Testing Of Unit Without Balancing, Deduct.....	-55.59	
23 05 93 00-0021	EA	Balance Lab Fume Hood.....	451.66	
		For Testing Of Unit Without Balancing, Deduct.....	-225.83	
23 05 93 00-0022	EA	Balance General Hood.....	347.42	
		For Testing Of Unit Without Balancing, Deduct.....	-173.71	
23 05 93 00-0023	EA	Balance Induction Unit.....	208.46	
		For Testing Of Unit Without Balancing, Deduct.....	-104.23	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 05 Common Work Results for HVAC****23 05 93 Testing, Adjusting, and Balancing for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 05 93 00-0024	EA	Balance Moduline - Master	83.36	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-41.68	
23 05 93 00-0025	EA	Balance Moduline - Slave	41.69	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-20.85	
23 05 93 00-0026	EA	Balance Dampers	38.71	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-19.36	
23 05 93 00-0027	EA	Balance Regenerators	554.99	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-277.50	

23 05 93 00-0028 Water Balancing Of Components (23 05 93)

23 05 93 00-0029	EA	Water Balance, Air-Cool Condenser	657.31	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-328.66	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	83.65	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-41.83	
23 05 93 00-0031	EA	Water Balance, Chiller, Air-Cooled	716.94	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-358.47	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	955.99	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-478.00	
23 05 93 00-0033	EA	Water Balance, Cooling Tower	478.00	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-239.00	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	119.57	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-59.79	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	119.50	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-59.75	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	131.45	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-65.73	
23 05 93 00-0037	EA	Water Balance, Pumps	358.52	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-179.26	
23 05 93 00-0038	EA	Water Balance, Unit Heater	83.65	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-41.83	
23 05 93 00-0039	EA	Water Balancing, Converter	358.64	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-179.32	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	59.74	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-29.87	
23 05 93 00-0041	EA	Water Balance, Convactor	71.69	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-35.85	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	89.63	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-44.82	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	776.74	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-388.37	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	1,434.00	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-717.00	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	2,628.99	
		<i>For Testing Of Unit Without Balancing, Deduct</i>	-1,314.50	

23 05 93 00-0046 Non-Destructive Testing (23 05 93)**23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)****23 05 93 00-0048 Minimum Charge For X-Ray Welds (23 05 93 00-0047)**

23 05 93 00-0049	EA	X-Ray Welds Minimum Set-Up Charge	1,091.72	
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

23 05 93 00-0050 Piping, X-Ray Welds, Non-Destructive Testing (23 05 93 00-0047)

23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing	98.60	
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non-Destructive Testing	112.22	
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing	125.84	
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non-Destructive Testing	132.98	
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non-Destructive Testing	140.12	
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non-Destructive Testing	147.89	
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non-Destructive Testing	162.17	
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non-Destructive Testing	176.44	
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non-Destructive Testing	184.21	
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non-Destructive Testing	194.67	

23 05 93 00-0061 Liquid Penetration Of Welds, Non-Destructive Testing (23 05 93 00-0046)**23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non-Destructive Testing (23 05 93 00-0061)**

23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	83.03	
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	89.52	
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	96.01	
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	99.25	
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	104.12	
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	108.99	
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	118.72	
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	128.45	
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	138.19	
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	147.92	

23 05 93 00-0073 Hydrostatic Testing (23 05 93 00-0046)

Note: Includes flushing and restoring of system.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 93 00-0074	Piping, Hydrostatic Testing (23 05 93 00-0073)	
23 05 93 00-0075	EA Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	853.72
23 05 93 00-0076	EA >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,219.60
23 05 93 00-0077	EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,461.31
23 05 93 00-0078	EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,946.48
23 05 93 00-0079	EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	2,949.21
23 05 93 00-0080	EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,135.11
23 05 93 00-0081	EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,622.06
23 05 93 00-0082	EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,931.03
23 05 93 00-0083	EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,530.40
23 05 93 00-0084	EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	3,828.06
23 05 93 00-0085	EA Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,479.32
23 05 93 00-0086	EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	2,108.69
23 05 93 00-0087	EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	2,224.69
23 05 93 00-0088	EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	2,914.52
23 05 93 00-0089	EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	4,409.12
23 05 93 00-0090	EA Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,920.53
23 05 93 00-0091	EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	2,738.04
23 05 93 00-0092	EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	2,892.67
23 05 93 00-0093	EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	3,794.04
23 05 93 00-0094	EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	5,748.56

23 05 93 00-0095	Pneumatic Testing (23 05 93 00-0046)	
Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		

23 05 93 00-0096	Piping, Pneumatic Testing With Inert Gas (23 05 93 00-0095)	
23 05 93 00-0097	EA Up To 100', Up To 1-1/2" Piping, Pneumatic Testing.....	970.08
	Note: Includes soaping joints.	
23 05 93 00-0098	EA >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing	1,384.61
	Note: Includes soaping joints.	
23 05 93 00-0099	EA >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing	1,494.91
	Note: Includes soaping joints.	
23 05 93 00-0100	EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing	1,913.73
	Note: Includes soaping joints.	
23 05 93 00-0101	EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing	2,992.18
	Note: Includes soaping joints.	
23 05 93 00-0102	EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,265.86
	Note: Includes soaping joints.	
23 05 93 00-0103	EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,797.98
	Note: Includes soaping joints.	
23 05 93 00-0104	EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,943.32
	Note: Includes soaping joints.	
23 05 93 00-0105	EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,488.51
	Note: Includes soaping joints.	
23 05 93 00-0106	EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	3,889.58
	Note: Includes soaping joints.	
23 05 93 00-0107	EA Up To 100', >4" To 10" Piping, Pneumatic Testing.....	1,524.39
	Note: Includes soaping joints.	
23 05 93 00-0108	EA >100' To 250', >4" To 10" Piping, Pneumatic Testing.....	2,151.87
	Note: Includes soaping joints.	
23 05 93 00-0109	EA >250' To 500', >4" To 10" Piping, Pneumatic Testing.....	2,433.38
	Note: Includes soaping joints.	
23 05 93 00-0110	EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing.....	3,107.71
	Note: Includes soaping joints.	
23 05 93 00-0111	EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing.....	4,864.54
	Note: Includes soaping joints.	
23 05 93 00-0112	EA Up To 100', >10" To 14" Piping, Pneumatic Testing	1,984.78
	Note: Includes soaping joints.	
23 05 93 00-0113	EA >100' To 250', >10" To 14" Piping, Pneumatic Testing.....	2,797.50
	Note: Includes soaping joints.	
23 05 93 00-0114	EA >250' To 500', >10" To 14" Piping, Pneumatic Testing.....	3,164.15
	Note: Includes soaping joints.	
23 05 93 00-0115	EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing.....	4,040.39
	Note: Includes soaping joints.	
23 05 93 00-0116	EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing.....	6,333.25
	Note: Includes soaping joints.	

23 05 93 00-0117	EPA Testing Of Sludge (23 05 93)	
23 05 93 00-0118	EA Flashpoint And Lead Test For Lead.....	1,065.96
23 05 93 00-0119	EA Air Test/Combustion Gas Level	105.00
23 05 93 00-0120	EA Toxicity Test For Heavy Metals.....	1,636.41
23 05 93 00-0121	EA Aboveground Tank Water Settlement Test Including Water.....	1,241.06

23 07 HVAC Insulation (23)

23 07 13 Duct Insulation (23 07)

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001	FSK Fiber Glass Duct Wrap Insulation (23 07 13)	
Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight. See CSI section 23 33 53 00-0000 for internal duct insulation.		
23 07 13 00-0002	Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 13 Duct Insulation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 07 13 00-0003	SF 1" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4.37 -0.40 1.01		2.53	
23 07 13 00-0004	SF 1-1/2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.10 -0.46 1.18		2.53	
23 07 13 00-0005	SF 2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.77 -0.50 1.35		3.78	
23 07 13 00-0006	SF 3" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.83 -0.62 1.58		4.42	
23 07 13 00-0007	SF 4" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.14 -0.98 1.70		4.79	
23 07 13 00-0008	Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)				
23 07 13 00-0009	SF 1" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5.37 -0.46 1.26		3.78	
23 07 13 00-0010	SF 1-1/2" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.26 -0.56 1.46		4.42	
23 07 13 00-0011	SF 2" Thick, Type 100, 1.0 Lb./CF, Fiber Glass FSK Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.40 -0.66 1.72		5.05	
23 07 13 00-0012	Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)				
23 07 13 00-0013	SF 1" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.03 -0.78 1.52		5.05	
23 07 13 00-0014	SF 1-1/2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.21 -1.37 1.74		5.68	
23 07 13 00-0015	SF 2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.74 -1.61 2.02		6.31	
23 07 13 00-0016	3 Lb./CF, FSK Rigid Fiber Glass Board Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.				
23 07 13 00-0017	SF 1" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 Lb., Add</i> <i>For Work In Restricted Working Space, Add</i>	11.95 27.41 20.35 16.77 3.36		6.82	
23 07 13 00-0018	SF 1-1/2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 Lb., Add</i> <i>For Work In Restricted Working Space, Add</i>	15.38 33.94 25.60 20.99 4.09		8.29	
23 07 13 00-0019	SF 2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 Lb., Add</i> <i>For Work In Restricted Working Space, Add</i>	19.20 41.41 31.54 25.78 4.94		10.01	
23 07 13 00-0020	4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation (23 07 13) Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.				
23 07 13 00-0021	SF 1" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	13.44 3.70		7.50	
23 07 13 00-0022	SF 1-1/2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	17.48 4.50		9.12	
23 07 13 00-0023	SF 2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation <i>For Work In Restricted Working Space, Add</i>	22.44 5.43		11.01	
23 07 13 00-0024	Sheet Flexible Elastomeric Insulation (23 07 13)				
23 07 13 00-0025	SF 3/8" Thick, Sheet Flexible Elastomeric Insulation	9.85		3.41	
23 07 13 00-0026	SF 1/2" Thick, Sheet Flexible Elastomeric Insulation	10.52		3.59	
23 07 13 00-0027	SF 3/4" Thick, Sheet Flexible Elastomeric Insulation	13.75		3.78	
23 07 13 00-0028	SF 1" Thick, Sheet Flexible Elastomeric Insulation	15.81		3.97	
23 07 13 00-0029	SF 1-1/2" Thick, Sheet Flexible Elastomeric Insulation	21.81		4.36	
23 07 13 00-0030	SF 2" Thick, Sheet Flexible Elastomeric Insulation	25.75		4.73	
23 07 13 00-0031	Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13) Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.				
23 07 13 00-0032	SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.47		3.59	
23 07 13 00-0033	SF 3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.92		3.78	
23 07 13 00-0034	SF 1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.71		3.97	
23 07 13 00-0035	SF 1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	27.50		4.36	
23 07 13 00-0036	SF 2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	32.55		4.73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)		
Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038 SF 1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.29	3.59
23 07 13 00-0039 SF 3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.73	3.78
23 07 13 00-0040 SF 1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	21.02	3.97
23 07 13 00-0041 SF 1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	30.77	4.36
23 07 13 00-0042 Fully Foil Encapsulated Pyroscat DuctWrap XL Insulation (23 07 13)		
Note: Fire rated insulation. Includes stainless steel bands.		
23 07 13 00-0043 SF 1-1/2", 6 Lb./CF, Fully Foil Encapsulated Pyroscat DuctWrap XL Insulation	18.95	5.68
For Work In Restricted Working Space, Add	1.74	
23 07 13 00-0044 SF Two Layers, 1-1/2", 6 Lb./CF, Fully Foil Encapsulated Pyroscat DuctWrap XL Insulation	34.81	9.25
For Work In Restricted Working Space, Add	2.78	
23 07 16 HVAC Equipment Insulation (23 07)		
23 07 16 00-0001 Calcium Silicate Block Insulation (23 07 16)		
23 07 16 00-0002 SF 1" Thick, Calcium Silicate Block Insulation	20.34	8.19
For Work In Restricted Working Space, Add	4.91	
23 07 16 00-0003 SF 1-1/2" Thick, Calcium Silicate Block Insulation	24.37	9.22
For Work In Restricted Working Space, Add	5.53	
23 07 16 00-0004 SF 2" Thick, Calcium Silicate Block Insulation	29.26	10.63
For Work In Restricted Working Space, Add	6.40	
23 07 16 00-0005 SF 2-1/2" Thick, Calcium Silicate Block Insulation	34.87	12.48
For Work In Restricted Working Space, Add	7.49	
23 07 16 00-0006 SF 3" Thick, Calcium Silicate Block Insulation	42.60	15.36
For Work In Restricted Working Space, Add	9.21	
23 07 19 HVAC Piping Insulation (23 07)		
See CSI section 22 07 19 00-0000 for pipe insulation.		
23 07 19 00-0001 Calcium Silicate Pipe Insulation (23 07 19)		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0590 for protective jacketing.		
23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0003 LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.04	4.15
For Work In Restricted Working Space, Add	3.11	
23 07 19 00-0004 LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.04	4.15
For Work In Restricted Working Space, Add	3.11	
23 07 19 00-0005 LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.03	4.21
For Work In Restricted Working Space, Add	3.16	
23 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.24	4.27
For Work In Restricted Working Space, Add	3.20	
23 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.42	4.33
For Work In Restricted Working Space, Add	3.25	
23 07 19 00-0008 LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.27	4.45
For Work In Restricted Working Space, Add	3.34	
23 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.95	4.63
For Work In Restricted Working Space, Add	3.47	
23 07 19 00-0010 LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.58	4.75
For Work In Restricted Working Space, Add	3.56	
23 07 19 00-0011 LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	18.67	5.11
For Work In Restricted Working Space, Add	3.83	
23 07 19 00-0012 LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	20.85	5.77
For Work In Restricted Working Space, Add	4.32	
23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)		
23 07 19 00-0014 LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.67	4.32
For Work In Restricted Working Space, Add	3.24	
23 07 19 00-0015 LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.73	4.32
For Work In Restricted Working Space, Add	3.24	
23 07 19 00-0016 LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.74	4.58
For Work In Restricted Working Space, Add	3.43	
23 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.29	4.66
For Work In Restricted Working Space, Add	3.50	
23 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.84	4.75
For Work In Restricted Working Space, Add	3.56	
23 07 19 00-0019 LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.01	5.01
For Work In Restricted Working Space, Add	3.76	
23 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.72	5.10
For Work In Restricted Working Space, Add	3.82	
23 07 19 00-0021 LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.42	5.27
For Work In Restricted Working Space, Add	3.95	
23 07 19 00-0022 LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	21.49	5.70
For Work In Restricted Working Space, Add	4.28	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	24.95	6.65
		<i>For Work In Restricted Working Space, Add</i>	4.99	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	28.58	7.02
		<i>For Work In Restricted Working Space, Add</i>	5.27	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	35.61	8.40
		<i>For Work In Restricted Working Space, Add</i>	6.30	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	41.78	9.78
		<i>For Work In Restricted Working Space, Add</i>	7.34	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	46.38	10.73
		<i>For Work In Restricted Working Space, Add</i>	8.04	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	56.05	13.66
		<i>For Work In Restricted Working Space, Add</i>	10.24	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	60.06	14.33
		<i>For Work In Restricted Working Space, Add</i>	10.75	

23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.98	4.75
		<i>For Work In Restricted Working Space, Add</i>	3.56	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.31	4.75
		<i>For Work In Restricted Working Space, Add</i>	3.56	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.82	4.81
		<i>For Work In Restricted Working Space, Add</i>	3.61	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.46	4.87
		<i>For Work In Restricted Working Space, Add</i>	3.65	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.92	4.93
		<i>For Work In Restricted Working Space, Add</i>	3.70	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.75	5.11
		<i>For Work In Restricted Working Space, Add</i>	3.83	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.81	5.28
		<i>For Work In Restricted Working Space, Add</i>	3.96	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.30	5.46
		<i>For Work In Restricted Working Space, Add</i>	4.10	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	25.56	5.77
		<i>For Work In Restricted Working Space, Add</i>	4.33	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	31.19	6.92
		<i>For Work In Restricted Working Space, Add</i>	5.19	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	34.80	7.31
		<i>For Work In Restricted Working Space, Add</i>	5.48	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	42.65	8.74
		<i>For Work In Restricted Working Space, Add</i>	6.56	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	49.26	10.47
		<i>For Work In Restricted Working Space, Add</i>	7.85	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	61.91	14.60
		<i>For Work In Restricted Working Space, Add</i>	10.95	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	64.50	14.60
		<i>For Work In Restricted Working Space, Add</i>	10.95	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	68.87	15.34
		<i>For Work In Restricted Working Space, Add</i>	11.50	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	81.43	17.53
		<i>For Work In Restricted Working Space, Add</i>	13.15	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	95.50	21.17
		<i>For Work In Restricted Working Space, Add</i>	15.88	

23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.38	5.47
		<i>For Work In Restricted Working Space, Add</i>	4.11	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.73	5.47
		<i>For Work In Restricted Working Space, Add</i>	4.11	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.11	5.56
		<i>For Work In Restricted Working Space, Add</i>	4.17	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.30	5.61
		<i>For Work In Restricted Working Space, Add</i>	4.20	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.79	5.65
		<i>For Work In Restricted Working Space, Add</i>	4.24	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.75	5.88
		<i>For Work In Restricted Working Space, Add</i>	4.41	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.24	6.08
		<i>For Work In Restricted Working Space, Add</i>	4.56	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.77	6.30
		<i>For Work In Restricted Working Space, Add</i>	4.72	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	30.36	6.64
		<i>For Work In Restricted Working Space, Add</i>	4.98	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	37.18	7.55
		<i>For Work In Restricted Working Space, Add</i>	5.66	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	42.26	8.41
		<i>For Work In Restricted Working Space, Add</i>	6.31	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	50.17	9.70
		<i>For Work In Restricted Working Space, Add</i>	7.28	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	59.05	12.06
		<i>For Work In Restricted Working Space, Add</i>	9.04	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	65.17	13.16
		<i>For Work In Restricted Working Space, Add</i>	9.87	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	79.85	16.83
		<i>For Work In Restricted Working Space, Add</i>	12.62	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	84.24	17.66
		<i>For Work In Restricted Working Space, Add</i>	13.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0066	LF		20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	97.46	20.19
			<i>For Work In Restricted Working Space, Add</i>	15.14	
23 07 19 00-0067	LF		24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	115.09	24.39
			<i>For Work In Restricted Working Space, Add</i>	18.29	
23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)					
23 07 19 00-0069	LF		1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.24	6.06
			<i>For Work In Restricted Working Space, Add</i>	4.55	
23 07 19 00-0070	LF		3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.32	6.06
			<i>For Work In Restricted Working Space, Add</i>	4.55	
23 07 19 00-0071	LF		1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.56	6.12
			<i>For Work In Restricted Working Space, Add</i>	4.59	
23 07 19 00-0072	LF		1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.82	6.16
			<i>For Work In Restricted Working Space, Add</i>	4.62	
23 07 19 00-0073	LF		1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.07	6.23
			<i>For Work In Restricted Working Space, Add</i>	4.67	
23 07 19 00-0074	LF		2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	28.01	6.46
			<i>For Work In Restricted Working Space, Add</i>	4.85	
23 07 19 00-0075	LF		2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.66	6.68
			<i>For Work In Restricted Working Space, Add</i>	5.01	
23 07 19 00-0076	LF		3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	31.37	6.92
			<i>For Work In Restricted Working Space, Add</i>	5.19	
23 07 19 00-0077	LF		4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	36.24	7.31
			<i>For Work In Restricted Working Space, Add</i>	5.48	
23 07 19 00-0078	LF		6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	42.66	8.29
			<i>For Work In Restricted Working Space, Add</i>	6.22	
23 07 19 00-0079	LF		8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	49.22	9.25
			<i>For Work In Restricted Working Space, Add</i>	6.94	
23 07 19 00-0080	LF		10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	58.20	10.67
			<i>For Work In Restricted Working Space, Add</i>	8.00	
23 07 19 00-0081	LF		12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	68.03	13.26
			<i>For Work In Restricted Working Space, Add</i>	9.95	
23 07 19 00-0082	LF		14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	75.30	14.48
			<i>For Work In Restricted Working Space, Add</i>	10.86	
23 07 19 00-0083	LF		16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	89.46	18.51
			<i>For Work In Restricted Working Space, Add</i>	13.88	
23 07 19 00-0084	LF		18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	96.01	19.43
			<i>For Work In Restricted Working Space, Add</i>	14.57	
23 07 19 00-0085	LF		20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	111.97	22.22
			<i>For Work In Restricted Working Space, Add</i>	16.66	
23 07 19 00-0086	LF		24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	132.92	26.84
			<i>For Work In Restricted Working Space, Add</i>	20.12	
23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)					
23 07 19 00-0088	LF		1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.50	6.64
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 07 19 00-0089	LF		3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.51	6.64
			<i>For Work In Restricted Working Space, Add</i>	4.98	
23 07 19 00-0090	LF		1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.62	6.68
			<i>For Work In Restricted Working Space, Add</i>	5.01	
23 07 19 00-0091	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.74	6.72
			<i>For Work In Restricted Working Space, Add</i>	5.05	
23 07 19 00-0092	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	34.68	6.81
			<i>For Work In Restricted Working Space, Add</i>	5.11	
23 07 19 00-0093	LF		2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	36.63	7.03
			<i>For Work In Restricted Working Space, Add</i>	5.28	
23 07 19 00-0094	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	39.48	7.29
			<i>For Work In Restricted Working Space, Add</i>	5.47	
23 07 19 00-0095	LF		3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	40.88	7.55
			<i>For Work In Restricted Working Space, Add</i>	5.66	
23 07 19 00-0096	LF		4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	46.03	7.97
			<i>For Work In Restricted Working Space, Add</i>	5.98	
23 07 19 00-0097	LF		6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	51.49	9.06
			<i>For Work In Restricted Working Space, Add</i>	6.79	
23 07 19 00-0098	LF		8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	61.89	10.08
			<i>For Work In Restricted Working Space, Add</i>	7.56	
23 07 19 00-0099	LF		10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	74.68	11.64
			<i>For Work In Restricted Working Space, Add</i>	8.73	
23 07 19 00-0100	LF		12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	90.74	14.47
			<i>For Work In Restricted Working Space, Add</i>	10.85	
23 07 19 00-0101	LF		14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	96.07	15.80
			<i>For Work In Restricted Working Space, Add</i>	11.85	
23 07 19 00-0102	LF		16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	113.55	20.19
			<i>For Work In Restricted Working Space, Add</i>	15.14	
23 07 19 00-0103	LF		18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	128.72	21.19
			<i>For Work In Restricted Working Space, Add</i>	15.90	
23 07 19 00-0104	LF		20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	140.09	24.24
			<i>For Work In Restricted Working Space, Add</i>	18.18	
23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)					
23 07 19 00-0106	LF		1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.80	7.38
			<i>For Work In Restricted Working Space, Add</i>	5.53	
23 07 19 00-0107	LF		3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.83	7.38
			<i>For Work In Restricted Working Space, Add</i>	5.53	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	40.15	7.50
		<i>For Work In Restricted Working Space, Add</i>	5.63	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	41.16	7.59
		<i>For Work In Restricted Working Space, Add</i>	5.69	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	43.40	7.83
		<i>For Work In Restricted Working Space, Add</i>	5.87	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	44.37	8.07
		<i>For Work In Restricted Working Space, Add</i>	6.05	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	47.93	8.19
		<i>For Work In Restricted Working Space, Add</i>	6.15	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	49.36	8.49
		<i>For Work In Restricted Working Space, Add</i>	6.37	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	55.46	8.97
		<i>For Work In Restricted Working Space, Add</i>	6.73	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	63.99	10.17
		<i>For Work In Restricted Working Space, Add</i>	7.63	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	75.57	11.34
		<i>For Work In Restricted Working Space, Add</i>	8.51	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	87.06	13.10
		<i>For Work In Restricted Working Space, Add</i>	9.83	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	100.29	16.27
		<i>For Work In Restricted Working Space, Add</i>	12.21	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	107.08	17.78
		<i>For Work In Restricted Working Space, Add</i>	13.34	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	128.24	22.73
		<i>For Work In Restricted Working Space, Add</i>	17.05	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	136.07	23.82
		<i>For Work In Restricted Working Space, Add</i>	17.87	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	151.37	27.26
		<i>For Work In Restricted Working Space, Add</i>	20.45	

23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)

23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	6.35	
		<i>For Work In Restricted Working Space, Add</i>	1.17	

23 08 Commissioning of HVAC (23)

See CSI section 01 91 13 00-0001 for commissioning, 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC (23)**23 09 23 Direct-Digital Control System for HVAC (23 09)****23 09 23 11 Control Valves (23 09 23)****23 09 23 11-0001 Valves With Actuator (23 09 23 11)**

23 09 23 11-0002	EA	1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	846.17	16.75
23 09 23 11-0003	EA	3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	873.91	22.57
23 09 23 11-0004	EA	1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	955.90	27.32
23 09 23 11-0005	EA	1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,042.03	34.60
23 09 23 11-0006	EA	1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,186.85	39.93
23 09 23 11-0007	EA	2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,340.91	47.18
23 09 23 11-0008	EA	2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,506.42	94.37
23 09 23 11-0009	EA	3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,715.35	110.43
23 09 23 11-0010	EA	4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,662.24	162.21
23 09 23 11-0011	EA	5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,387.83	234.42
23 09 23 11-0012	EA	6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	5,967.84	259.53
23 09 23 11-0013	EA	1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	908.76	25.12
23 09 23 11-0014	EA	3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	934.98	33.85
23 09 23 11-0015	EA	1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	1,011.96	40.98
23 09 23 11-0016	EA	1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,120.39	51.91
23 09 23 11-0017	EA	1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,440.59	59.89
23 09 23 11-0018	EA	2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,597.09	70.78
23 09 23 11-0019	EA	2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,817.26	141.57
23 09 23 11-0020	EA	3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	3,094.48	165.66
23 09 23 11-0021	EA	4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1)	4,502.64	243.31
23 09 23 11-0022	EA	5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1)	6,531.22	351.62
23 09 23 11-0023	EA	6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1)	7,260.97	389.30
23 09 23 11-0024	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	144.23	16.75
23 09 23 11-0025	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	170.27	22.57
23 09 23 11-0026	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	214.47	27.32
23 09 23 11-0027	EA	1-1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	176.66	25.12
23 09 23 11-0028	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	206.71	33.85
23 09 23 11-0029	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	258.46	40.98
23 09 23 11-0030	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	239.46	16.75
23 09 23 11-0031	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	284.01	22.57
23 09 23 11-0032	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	323.15	27.32
23 09 23 11-0033	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	420.39	34.60
23 09 23 11-0034	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	435.05	39.93
23 09 23 11-0035	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	554.06	47.18
23 09 23 11-0036	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	1,189.88	94.37
23 09 23 11-0037	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,397.00	110.43
23 09 23 11-0038	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	290.40	25.12
23 09 23 11-0039	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	336.07	33.85
23 09 23 11-0040	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	433.60	40.98

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0041	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3).....	614.92	51.91
23 09 23 11-0042	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3).....	648.50	59.89
23 09 23 11-0043	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3).....	859.02	70.78
23 09 23 11-0044	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1).....	702.80	86.51
23 09 23 11-0045	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1).....	738.12	94.37
23 09 23 11-0046	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1).....	969.76	110.43
23 09 23 11-0047	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2"GMB24-3X1).....	1,481.46	185.38
23 09 23 11-0048	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24).....	2,976.37	234.42
23 09 23 11-0049	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24).....	3,140.68	259.53
23 09 23 11-0050	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24).....	4,269.76	296.61
23 09 23 11-0051	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24).....	5,238.61	363.35
23 09 23 11-0052	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24).....	6,473.83	440.42
23 09 23 11-0053	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24).....	7,195.10	519.06
23 09 23 11-0054	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110).....	9,510.76	570.97
23 09 23 11-0055	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110).....	11,524.50	634.29
23 09 23 11-0056	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1).....	1,297.46	129.77
23 09 23 11-0057	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1).....	1,527.94	141.57
23 09 23 11-0058	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2"GMB24-3X1).....	1,885.95	165.66
23 09 23 11-0059	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2"GMB24-3X1).....	2,421.82	278.07
23 09 23 11-0060	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24).....	4,952.42	351.62
23 09 23 11-0061	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24).....	5,128.37	389.30
23 09 23 11-0062	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24).....	6,463.33	444.96
23 09 23 11-0063	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24).....	8,553.94	545.01
23 09 23 11-0064	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24).....	10,397.22	660.62
23 09 23 11-0065	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110).....	16,216.86	778.59
23 09 23 11-0066	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110).....	18,082.25	856.45
23 09 23 11-0067	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110).....	27,818.35	951.44
23 09 23 11-0068 Valve Actuators (23 09 23 11)				
23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T).....	499.12	107.21
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3).....	506.58	107.21
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T).....	623.83	107.21
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S).....	568.60	107.21
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR).....	579.50	107.21
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT).....	651.06	107.21
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1).....	788.05	107.21
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95).....	804.81	107.21
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT).....	845.20	107.21
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3).....	606.72	107.21
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR).....	691.47	107.21
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T).....	615.61	107.21
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3).....	626.53	107.21
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14).....	630.61	107.21
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S).....	704.88	107.21
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T).....	736.91	107.21
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	753.93	107.21
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	750.54	107.21
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	761.44	107.21
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	760.75	107.21
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	831.42	107.21
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	1,010.15	107.21
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	668.08	107.21
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	798.93	107.21
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,825.09	107.21
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	2,048.58	107.21
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	2,462.18	107.21
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,791.29	107.21

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23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	3,307.10	107.21
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	3,898.56	107.21
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	5,258.61	107.21
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	6,423.10	107.21

23 09 23 11-0101 Rotork IQ Electric Valve Actuators (23 09 23 11)**23 09 23 11-0102 Rotork IQ2 Electric Valve Actuators (23 09 23 11-0101)**

Note: 3 Phase, A, B1/B4, Z, or Z3 coupling designation. See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.

23 09 23 11-0103 WT Enclosure (23 09 23 11-0102)

23 09 23 11-0104	EA	Rotork IQ10 Electric Valve Actuator, WT Enclosure.....	10,251.84	389.30
23 09 23 11-0105	EA	Rotork IQ12 Electric Valve Actuator, WT Enclosure.....	10,687.81	389.30
23 09 23 11-0106	EA	Rotork IQ18 Electric Valve Actuator, WT Enclosure.....	11,577.97	389.30
23 09 23 11-0107	EA	Rotork IQ20 Electric Valve Actuator, WT Enclosure.....	14,532.33	389.30
23 09 23 11-0108	EA	Rotork IQ25 Electric Valve Actuator, WT Enclosure.....	14,943.94	389.30
23 09 23 11-0109	EA	Rotork IQ35 Electric Valve Actuator, WT Enclosure.....	16,543.95	500.43
23 09 23 11-0110	EA	Rotork IQ40 Electric Valve Actuator, WT Enclosure.....	20,271.08	750.65
23 09 23 11-0111	EA	Rotork IQ70 Electric Valve Actuator, WT Enclosure.....	25,000.26	750.65
23 09 23 11-0112	EA	Rotork IQ90 Electric Valve Actuator, WT Enclosure.....	27,454.47	750.65
23 09 23 11-0113	EA	Rotork IQ91 Electric Valve Actuator, WT Enclosure.....	39,933.58	1,125.98
23 09 23 11-0114	EA	Rotork IQ95 Electric Valve Actuator, WT Enclosure.....	32,402.74	1,125.98

23 09 23 11-0115 FM Enclosure (23 09 23 11-0102)

23 09 23 11-0116	EA	Rotork IQ10 Electric Valve Actuator, FM Enclosure.....	11,075.08	389.30
23 09 23 11-0117	EA	Rotork IQ12 Electric Valve Actuator, FM Enclosure.....	11,542.02	389.30
23 09 23 11-0118	EA	Rotork IQ18 Electric Valve Actuator, FM Enclosure.....	12,475.89	389.30
23 09 23 11-0119	EA	Rotork IQ20 Electric Valve Actuator, FM Enclosure.....	15,680.31	389.30
23 09 23 11-0120	EA	Rotork IQ25 Electric Valve Actuator, FM Enclosure.....	16,116.27	389.30
23 09 23 11-0121	EA	Rotork IQ35 Electric Valve Actuator, FM Enclosure.....	17,911.58	500.43
23 09 23 11-0122	EA	Rotork IQ40 Electric Valve Actuator, FM Enclosure.....	22,052.54	750.65
23 09 23 11-0123	EA	Rotork IQ70 Electric Valve Actuator, FM Enclosure.....	27,111.46	750.65
23 09 23 11-0124	EA	Rotork IQ90 Electric Valve Actuator, FM Enclosure.....	29,705.10	750.65
23 09 23 11-0125	EA	Rotork IQ91 Electric Valve Actuator, FM Enclosure.....	42,983.10	1,125.98
23 09 23 11-0126	EA	Rotork IQ95 Electric Valve Actuator, FM Enclosure.....	34,996.38	1,125.98

23 09 23 11-0127 Rotork IQM And M Range Syncroset Electric Valve Actuators (23 09 23 11-0101)

Note: 3 Phase, A, B4, Z, or Z3 coupling designation. See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.

23 09 23 11-0128 WT Enclosure (23 09 23 11-0127)

23 09 23 11-0129	EA	Rotork IQM10 Electric Valve Actuator, WT Enclosure.....	13,091.12	389.30
23 09 23 11-0130	EA	Rotork IQM12 Electric Valve Actuator, WT Enclosure.....	13,399.27	389.30
23 09 23 11-0131	EA	Rotork IQM20 Electric Valve Actuator, WT Enclosure.....	15,262.61	389.30
23 09 23 11-0132	EA	Rotork IQM25 Electric Valve Actuator, WT Enclosure.....	15,457.36	389.30
23 09 23 11-0133	EA	Rotork IQM35 Electric Valve Actuator, WT Enclosure.....	17,991.25	500.43

23 09 23 11-0134 FM Enclosure (23 09 23 11-0127)

23 09 23 11-0135	EA	Rotork IQM10 Electric Valve Actuator, FM Enclosure.....	14,958.89	389.30
23 09 23 11-0136	EA	Rotork IQM12 Electric Valve Actuator, FM Enclosure.....	15,275.33	389.30
23 09 23 11-0137	EA	Rotork IQM20 Electric Valve Actuator, FM Enclosure.....	17,304.65	389.30
23 09 23 11-0138	EA	Rotork IQM25 Electric Valve Actuator, FM Enclosure.....	17,468.42	389.30
23 09 23 11-0139	EA	Rotork IQM35 Electric Valve Actuator, FM Enclosure.....	20,401.21	500.43

23 09 23 11-0140 Rotork IQT Electric Valve Actuators (23 09 23 11-0101)

Note: 3 Phase, A, B4, Z, or Z3 coupling designation. See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.

23 09 23 11-0141 WT Enclosure (23 09 23 11-0140)

23 09 23 11-0142	EA	Rotork IQT125 Electric Valve Actuator, WT Enclosure.....	9,298.04	389.30
23 09 23 11-0143	EA	Rotork IQT250 Electric Valve Actuator, WT Enclosure.....	9,486.15	389.30
23 09 23 11-0144	EA	Rotork IQT500 Electric Valve Actuator, WT Enclosure.....	9,749.49	389.30
23 09 23 11-0145	EA	Rotork IQT1000 Electric Valve Actuator, WT Enclosure.....	11,229.99	389.30
23 09 23 11-0146	EA	Rotork IQT2000 Electric Valve Actuator, WT Enclosure.....	11,986.84	389.30

23 09 23 11-0147 FM Enclosure (23 09 23 11-0140)

23 09 23 11-0148	EA	Rotork IQT125 Electric Valve Actuator, FM Enclosure.....	10,132.34	389.30
23 09 23 11-0149	EA	Rotork IQT250 Electric Valve Actuator, FM Enclosure.....	9,922.11	389.30
23 09 23 11-0150	EA	Rotork IQT500 Electric Valve Actuator, FM Enclosure.....	10,586.01	389.30
23 09 23 11-0151	EA	Rotork IQT1000 Electric Valve Actuator, FM Enclosure.....	12,064.29	389.30
23 09 23 11-0152	EA	Rotork IQT2000 Electric Valve Actuator, FM Enclosure.....	13,144.23	389.30

23 09 23 11-0153 Rotork Q Range Basic Actuators (23 09 23 11-0101)

See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0154 EA Rotork Q100 Standard Actuator.....	1,803.60	
23 09 23 11-0155 EA Rotork Q300 Standard Actuator.....	2,655.60	
23 09 23 11-0156 Rotork Actuator Mounting Kits (23 09 23 11-0101)		
Note: Mounting of Rotork actuators to valves, dampers or other equipment, including machining of actuator output device.		
23 09 23 11-0157 EA Mounting Kit For Rotork Actuators (Up To IQ 18) Or Exeeco Gearboxes (Up To IW6 Or IB6) To Valves, Dampers And Other Equipment.....	1,073.30	
23 09 23 11-0158 EA Mounting Kit For Rotork Actuators (IQ 20-25) Or Exeeco Gearboxes (Up To IW9 Or IB10) To Valves, Dampers And Other Equipment.....	1,637.62	
23 09 23 11-0159 EA Mounting Kit For Rotork Actuators (IQ 35-40) Or Exeeco Gearboxes (Up To IW12 Or IB14) To Valves, Dampers And Other Equipment.....	2,146.61	
23 09 23 11-0160 EA Mounting Kit For Rotork Actuators (IQ 70-90) Or Exeeco Gearboxes (Up To IS15 Or IS20) To Valves, Dampers And Other Equipment.....	2,717.56	
23 09 23 11-0161 Rotork "Exeeco" Fitted Gearboxes (23 09 23 11-0101)		
See CSI section 23 09 23 11-0204 for mounting.		
23 09 23 11-0162 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB2.....	3,141.47	519.07
23 09 23 11-0163 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB3.....	3,429.17	519.07
23 09 23 11-0164 EA Rotork Exeeco Fitted Gearbox, Bevel, FA10, IB4.....	2,763.05	519.07
23 09 23 11-0165 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB4.....	2,765.27	519.07
23 09 23 11-0166 EA Rotork Exeeco Fitted Gearbox, Bevel, FA10, IB5.....	3,050.74	519.07
23 09 23 11-0167 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB5.....	3,128.20	519.07
23 09 23 11-0168 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB6.....	3,767.75	519.07
23 09 23 11-0169 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB6.....	3,911.60	519.07
23 09 23 11-0170 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB7.....	4,278.96	519.07
23 09 23 11-0171 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB7.....	4,420.59	519.07
23 09 23 11-0172 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB8.....	5,948.04	506.27
23 09 23 11-0173 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB8.....	6,091.88	506.27
23 09 23 11-0174 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB8.....	6,262.28	506.27
23 09 23 11-0175 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB9.....	6,755.78	506.27
23 09 23 11-0176 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB9.....	6,899.63	506.27
23 09 23 11-0177 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB9.....	7,070.03	506.27
23 09 23 11-0178 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB10.....	8,185.81	632.84
23 09 23 11-0179 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB10.....	8,382.77	632.84
23 09 23 11-0180 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB10.....	8,446.94	632.84
23 09 23 11-0181 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB11.....	10,013.75	632.84
23 09 23 11-0182 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB11.....	10,210.70	632.84
23 09 23 11-0183 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB11.....	10,274.88	632.84
23 09 23 11-0184 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB12.....	12,545.42	632.84
23 09 23 11-0185 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB12.....	12,793.28	632.84
23 09 23 11-0186 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB13.....	16,068.52	632.84
23 09 23 11-0187 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB13.....	16,316.37	632.84
23 09 23 11-0188 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB14.....	31,121.83	759.41
23 09 23 11-0189 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB14.....	31,369.69	759.41
23 09 23 11-0190 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW3.....	1,772.44	389.30
23 09 23 11-0191 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW4.....	2,321.27	389.30
23 09 23 11-0192 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW5.....	3,021.97	389.30
23 09 23 11-0193 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW52.....	3,674.81	389.30
23 09 23 11-0194 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW6.....	4,460.42	389.30
23 09 23 11-0195 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW63.....	6,230.04	750.65
23 09 23 11-0196 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW7.....	7,444.97	750.65
23 09 23 11-0197 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW72.....	8,958.67	750.65
23 09 23 11-0198 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW8.....	11,219.91	938.31
23 09 23 11-0199 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW82.....	13,450.61	1,125.98
23 09 23 11-0200 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW9.....	17,055.59	1,125.98
23 09 23 11-0201 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW10.....	22,704.05	1,501.30
23 09 23 11-0202 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW11.....	29,057.58	1,501.30
23 09 23 11-0203 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW12.....	74,047.87	1,501.30
23 09 23 11-0204 Mounting Rotork Actuator To Exeeco Gearbox Mounting (23 09 23 11-0101)		
23 09 23 11-0205 EA Mounting of Rotork Actuators (IQ 10-18) to Exeeco Gearboxes (IW3-IW6 or IB3 to IB6).....	734.72	
23 09 23 11-0206 EA Mounting of Rotork Actuators (IQ 10-18) to Exeeco Gearboxes (IW7-IW12 or IB7 to IB7).....	860.86	
23 09 23 11-0207 EA Mounting of Rotork Actuators (IQ 20-25) to Exeeco Gearboxes (IW6-IW12 or IB6 to IB11).....	1,155.19	
23 09 23 11-0208 EA Mounting of Rotork Actuators (IQ 35-40) to Exeeco Gearboxes (IW6-IW12 or IB6 to IB14).....	1,323.37	
23 09 23 11-0209 EA Mounting of Rotork Actuators (IQ 70-95) to Exeeco Gearboxes (IB10-IB14).....	1,715.08	
23 09 23 11-0210 Electro-Hydraulic Valve Actuators (23 09 23 11)		
Note: Actuators only.		
23 09 23 11-0211 Electro-Hydraulic Rotary Actuators, Model 2000 (23 09 23 11-0210)		
Note: Fail set (fail in last position), 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump, hand pump included. Trident Actuator Company.		
23 09 23 11-0212 EA Valve Torque To 13,000 Lb. (Maximum).....	45,769.38	1,297.65
For 316 Stainless Steel Coupling, Add		1,080.00
23 09 23 11-0213 EA Valve Torque To 45,000 Lb. (Maximum).....	75,200.93	1,622.06
For 316 Stainless Steel Coupling, Add		1,200.00
23 09 23 11-0214 EA Valve Torque To 90,000 Lb. (Maximum).....	147,803.44	1,944.92
For 316 Stainless Steel Coupling, Add		1,440.00

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23 09 23 11-0215		Electro-Hydraulic Linear Actuators, Model 3000 (23 09 23 11-0210)		
		Note: Fail set (fail in last position), NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump. Trident Actuator Company.		
23 09 23 11-0216	EA	Linear Actuator Stroke To 24" (Maximum).....	74,552.10	1,297.65
		For 316 Stainless Steel Coupling, Add	1,440.00	
23 09 23 11-0217	EA	Linear Actuator Stroke To 36" (Maximum).....	96,787.97	1,622.06
		For 316 Stainless Steel Coupling, Add	1,440.00	
23 09 23 11-0218	EA	Linear Actuator Stroke To 48" (Maximum).....	126,216.40	1,944.92
		For 316 Stainless Steel Coupling, Add	1,920.00	
23 09 23 11-0219	EA	Linear Actuator Stroke To 62" (Maximum).....	162,848.56	2,271.80
		For 316 Stainless Steel Coupling, Add	1,920.00	

23 09 23 11-0220		Electro-Hydraulic Valve Actuators, Model 2500 (23 09 23 11-0210)		
		Note: Fail safe, 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump, hand pump included. Trident Actuator Company.		
23 09 23 11-0221	EA	Valve Torque To 13,000 Lb. (Maximum).....	60,160.74	1,297.65
		For 316 Stainless Steel Coupling, Add	1,080.00	
23 09 23 11-0222	EA	Valve Torque To 45,000 Lb. (Maximum).....	98,946.67	1,622.06
		For 316 Stainless Steel Coupling, Add	1,200.00	
23 09 23 11-0223	EA	Valve Torque To 90,000 Lb. (Maximum).....	198,173.20	1,944.92
		For 316 Stainless Steel Coupling, Add	1,440.00	

23 09 23 11-0224		Electro-Hydraulic Linear Actuators, Model 3500 (23 09 23 11-0210)		
		Note: Fail safe, 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump. Trident Actuator Company.		
23 09 23 11-0225	EA	Linear Actuator Stroke To 24" (Maximum).....	99,736.98	1,297.65
		For 316 Stainless Steel Coupling, Add	1,080.00	
23 09 23 11-0226	EA	Linear Actuator Stroke To 36" (Maximum).....	129,168.53	1,622.06
		For 316 Stainless Steel Coupling, Add	1,200.00	
23 09 23 11-0227	EA	Linear Actuator Stroke To 48" (Maximum).....	176,586.16	1,944.92
		For 316 Stainless Steel Coupling, Add	1,200.00	
23 09 23 11-0228	EA	Linear Actuator Stroke To 62" (Maximum).....	213,218.32	2,271.80
		For 316 Stainless Steel Coupling, Add	1,920.00	

23 09 23 11-0229		Electro-Hydraulic Accessories Trident Actuator Company (23 09 23 11-0210)		
23 09 23 11-0230	EA	NEMA 4X Controller, With Push Button (For Model 2000 And 3000).....	36,095.94	778.33
23 09 23 11-0231	EA	NEMA 4X Controller, With Push Button (For Model 2500 And 3500).....	41,289.16	778.33
23 09 23 11-0232	EA	AB 500 Touch Screen (For Model 2000 And 3000).....	11,581.96	162.21
23 09 23 11-0233	EA	AB 500 Touch Screen (For Model 2500 And 3500).....	13,568.58	162.21

23 09 23 12 Control Dampers (23 09 23)

23 09 23 12-0001		Rectangular Galvanized Volume Control Dampers (23 09 23 12)		
		Note: Excludes actuators.		
23 09 23 12-0002	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	225.29	43.08
23 09 23 12-0003	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	253.94	47.25
23 09 23 12-0004	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	283.94	52.12
23 09 23 12-0005	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	328.31	61.15
23 09 23 12-0006	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	371.27	69.49
23 09 23 12-0007	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	375.49	78.17
23 09 23 12-0008	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	460.83	86.86
23 09 23 12-0009	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	550.35	104.22
23 09 23 12-0010	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	706.73	121.59
23 09 23 12-0011	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	1,049.36	138.97
23 09 23 12-0012	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,924.59	156.34
23 09 23 12-0013	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	2,444.77	173.71

23 09 23 12-0014		Round Galvanized Control Dampers (23 09 23 12)		
		Note: Excludes actuators.		
23 09 23 12-0015	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	218.90	48.64
23 09 23 12-0016	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	225.96	52.12
23 09 23 12-0017	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	235.71	52.12
23 09 23 12-0018	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	261.67	59.07
23 09 23 12-0019	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	297.82	59.07
23 09 23 12-0020	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	323.06	69.49
23 09 23 12-0021	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	434.04	73.14
23 09 23 12-0022	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	453.79	75.81
23 09 23 12-0023	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	481.55	81.73
23 09 23 12-0024	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	509.88	87.64

23 09 23 12-0025		Remote Damper Control (23 09 23 12)		
23 09 23 12-0026	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	317.85	
		For Each 10' Flexible Casing And Wire, Add	42.60	
23 09 23 12-0027	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	326.56	
		For Each 10' Flexible Casing And Wire, Add	42.60	

23 09 23 13 Energy Meters (23 09 23)

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 09 23 13-0001 Surge Protectors (23 09 23 13)				
23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	366.20	10.39
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	276.43	10.39
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	430.90	10.39
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	232.60	10.39
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	232.60	10.39
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	232.60	10.39
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	336.99	10.39
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	207.54	10.39
23 09 23 14 Flow Instruments (23 09 23)				
23 09 23 14-0001 Water Flow Meters (23 09 23 14)				
23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500)	5,483.87	114.66
Note: Excludes pipe fittings.				
23 09 23 14-0003 Air Flow Monitoring Stations (23 09 23 14)				
23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116)	4,321.20	133.41
Note: 10' cable, 36" x 24" typical duct size.				
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)	6,195.80	133.41
Note: 10' cable, 48" x 36" typical duct size.				
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116)	7,706.19	133.41
Note: 10' cable, 60" x 48" typical duct size.				
23 09 23 16 Gas Instruments (23 09 23)				
23 09 23 16-0001 Gas Sensors (23 09 23 16)				
23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	2,273.11	62.33
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	1,003.87	41.55
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2)	1,806.34	62.33
Note: Solid state sensor.				
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	980.14	74.80
23 09 23 19 Moisture Instruments (23 09 23)				
23 09 23 19-0001 Relative Humidity Sensors (23 09 23 19)				
23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	610.06	74.80
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	626.74	74.80
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	709.34	103.88
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	552.43	41.55
23 09 23 21 Motion Instruments (23 09 23)				
23 09 23 21-0001 Peco Motion Sensors (23 09 23 21)				
23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	201.74	29.21
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	197.77	29.21
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	264.50	29.21
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	235.05	29.21
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	73.22	29.21
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	67.73	29.21
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	124.16	29.21
23 09 23 23 Pressure Instruments (23 09 23)				
23 09 23 23-0001 Pressure Sensors (23 09 23 23)				
23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	813.78	87.73
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	724.21	87.73
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	290.77	87.73
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	301.17	87.73
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	321.54	87.73
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	298.16	87.73
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA)	2,995.43	87.73
Note: Excludes pipe fittings.				
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA)	2,995.43	87.73
Note: Excludes pipe fittings.				
23 09 23 23-0010	EA	Magnahelic Gauge	785.57	53.63
23 09 23 23-0011 Room Pressure Monitoring (23 09 23 23)				
23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,571.90	69.49
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC)	5,752.42	69.49
Note: Excludes dampers and actuators.				
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	454.54	41.69
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	524.13	41.69

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 09 23 27 Temperature Instruments (23 09 23)**23 09 23 27-0001 Air Temperature Sensors (23 09 23 27)**

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	225.92	74.80
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO).....	315.50	74.80
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG).....	236.23	74.80
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH).....	246.79	74.80
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	250.31	74.80
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	246.84	74.80
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP).....	248.70	74.80
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4).....	266.50	74.80
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	282.05	74.80
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24).....	342.06	103.88
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	354.03	103.88
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	154.48	41.55
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R).....	158.88	41.55
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	147.33	41.55

23 09 23 27-0016 Water Temperature Sensors (23 09 23 27)

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	181.82	80.38
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	413.49	80.38

23 09 23 27-0019 Peco Thermostats (23 09 23 27)

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-1AQ).....	422.80	19.48
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	377.16	19.48

23 09 23 53 Proprietary Control Systems (23 09 23)**23 09 23 53-0001 EMCS General Costs (23 09 23 53)****23 09 23 53-0002 EMCS System Design Services (23 09 23 53-0001)**

Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.

23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities.....	240.23	
23 09 23 53-0004	HR	EMCS Engineering Project Management.....	240.23	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout.....	253.22	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming.....	207.77	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation.....	217.51	
23 09 23 53-0008	HR	EMCS System Controls Training.....	227.25	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician.....	233.74	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet.....	201.27	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel).....	194.78	

23 09 23 53-0012 Field Tests, Checkout And Commissioning (23 09 23 53-0001)

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0013	PNT	EMCS Field Test.....	170.50	
		Note: Priced per point.		
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup.....	170.50	
		Note: Priced per point.		
23 09 23 53-0015	PNT	EMCS Field Commissioning.....	170.50	
		Note: Priced per point.		
23 09 23 53-0016	EA	EMCS Field Balance Support.....	146.08	
		Note: Priced per controller.		

23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout (23 09 23 53-0001)

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0018	PNT	EMCS System Engineering/Submittal Design And Layout.....	56.87	
		Note: Priced per point.		

23 09 23 53-0019 Alerton Controls (23 09 23 53)

23 09 23 53-0020	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL).....	13,057.45	
23 09 23 53-0021	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM).....	17,109.25	
23 09 23 53-0022	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM).....	45,094.77	
23 09 23 53-0023	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE).....	33,535.54	
23 09 23 53-0024	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE).....	88,289.77	
23 09 23 53-0025	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE).....	69,380.09	
23 09 23 53-0026	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE).....	106,541.16	
23 09 23 53-0027	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH).....	2,838.39	
23 09 23 53-0028	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1).....	39,692.34	
23 09 23 53-0029	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG).....	28,723.23	
23 09 23 53-0030	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED).....	17,024.10	
23 09 23 53-0031	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM).....	10,070.29	
23 09 23 53-0032	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS).....	3,754.50	

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 09 23 53-0033	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100).....	7,155.36		311.65
23 09 23 53-0034	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS).....	10,646.10		415.53
23 09 23 53-0035	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS).....	10,497.65		415.53
23 09 23 53-0036	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM).....	3,565.90		311.65
23 09 23 53-0037	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300).....	4,435.89		311.65
23 09 23 53-0038	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS).....	3,298.20		311.65
23 09 23 53-0039	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX).....	4,236.35		311.65
23 09 23 53-0040	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB).....	10,769.13		311.65
23 09 23 53-0041	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	4,456.44		415.53
23 09 23 53-0042	EA	EXP BACnet Controller (Alerton VLX).....	9,941.04		831.07
23 09 23 53-0043	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	11,845.29		831.07
23 09 23 53-0044	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP).....	1,593.05		92.53
23 09 23 53-0045	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD).....	2,805.43		311.65
23 09 23 53-0046	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	3,006.20		311.65
23 09 23 53-0047	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD).....	2,312.65		311.65
23 09 23 53-0048	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	2,592.51		311.65
23 09 23 53-0049	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAVIH-SD).....	2,580.34		311.65
23 09 23 53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188).....	4,186.47		311.65
23 09 23 53-0051	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600).....	3,080.43		311.65
23 09 23 53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160).....	4,718.07		415.53
23 09 23 53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444).....	2,045.11		207.77
23 09 23 53-0054	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550).....	1,964.79		207.77
23 09 23 53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R).....	2,610.75		311.65
23 09 23 53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R).....	2,610.75		311.65
23 09 23 53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853).....	3,259.28		311.65
23 09 23 53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	6,848.61		415.53
23 09 23 53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362).....	2,726.34		311.65
23 09 23 53-0060	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS).....	202.73		11.68
23 09 23 53-0061	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT).....	344.36		11.68
23 09 23 53-0062	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	918.67		11.68
23 09 23 53-0063	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT).....	918.67		11.68
23 09 23 53-0064	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT).....	709.41		11.68
23 09 23 53-0065	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	222.70		11.68
23 09 23 53-0066	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	971.00		11.68
23 09 23 53-0067	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	1,092.69		11.68
23 09 23 53-0068	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	4,174.30		311.65
23 09 23 53-0069	EA	12 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	4,473.60		311.65
23 09 23 53-0070	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	4,215.67		311.65
23 09 23 53-0071	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM).....	11,024.23		
23 09 23 53-0072	EA	Global Controller Base Unit (Alerton ACM).....	6,006.33		311.65
23 09 23 53-0073	EA	External Battery Pack For ACM (Alerton ACM-BATT).....	1,304.90		173.35
23 09 23 53-0074	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032).....	1,071.31		
23 09 23 53-0075	EA	Microset 4 Wall Sensor (Alerton MS4-THC).....	1,227.53		11.68
23 09 23 53-0076 Automated Logic Controls (23 09 23 53)					
23 09 23 53-0077	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	4,778.61		311.65
23 09 23 53-0078	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	10,248.47		934.96
23 09 23 53-0079	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	3,118.89		311.65
23 09 23 53-0080	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	7,032.08		415.53
23 09 23 53-0081	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	6,908.22		415.53
23 09 23 53-0082	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	10,843.79		831.07
23 09 23 53-0083	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	6,103.13		415.53
23 09 23 53-0084	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	6,314.47		311.65
23 09 23 53-0085	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	10,100.63		831.07
23 09 23 53-0086	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	2,012.79		207.77
23 09 23 53-0087	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	2,150.06		207.77
23 09 23 53-0088	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	3,655.38		207.77
23 09 23 53-0089	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	3,516.04		207.77
23 09 23 53-0090	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	2,796.85		311.65
23 09 23 53-0091	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	19,342.17		
23 09 23 53-0092	EA	500 Point, Front End Software For Building Control (Automated Logic WC500).....	11,786.71		
23 09 23 53-0093	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	16,521.34		
23 09 23 53-0094 Cypress Envirosystems Controls (23 09 23 53)					
23 09 23 53-0095 Wireless Pneumatic Thermostat (23 09 23 53-0094)					
Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.					
23 09 23 53-0096	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP).....	569.03		12.99
Note: One for every thermostat to be retrofitted.					
For >50 To 200, Deduct			-29.23		
For >200, Deduct			-58.41		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
23 09 23 53-0097	EA Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP) Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	569.03 -29.23 -58.41		12.99	
23 09 23 53-0098	EA Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP)..... Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	569.03 -29.23 -58.41		12.99	
23 09 23 53-0099	EA Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP) Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	569.03 -29.23 -58.41		12.99	
23 09 23 53-0100	EA Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB) Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	647.33 -33.59 -67.11		12.99	
23 09 23 53-0101	EA Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB) Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	647.33 -33.59 -67.11		12.99	
23 09 23 53-0102	EA Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB) Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	647.33 -33.59 -67.11		12.99	
23 09 23 53-0103	EA Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB)..... Note: One for every thermostat to be retrofitted. For >50 To 200, Deduct For >200, Deduct	647.33 -33.59 -67.11		12.99	
23 09 23 53-0104	EA Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)..... Note: Optional cover. For >50 To 200, Deduct For >200, Deduct	46.56 -1.87 -3.73		12.99	
23 09 23 53-0105	EA Green Box Controller (Cypress Envirosystems GBC-830-COM)..... Note: One unit for up to 100 thermostats. For 2, Deduct For >2, Deduct	5,124.79 -256.06 -511.66		12.99	
23 09 23 53-0106	EA WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) Note: One unit for up to 100 thermostats. For 2, Deduct For >2, Deduct	493.49 -26.72 -53.38		12.99	
23 09 23 53-0107	EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL)..... Note: One unit for up to 15 thermostats. For >5 To 10, Deduct For >10, Deduct	858.62 -44.13 -88.18		12.99	
23 09 23 53-0108	EA 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) Note: One unit for up to 15 thermostats. For >5 To 10, Deduct For >10, Deduct	1,052.83 -51.32 -102.54		12.99	
23 09 23 53-0109	Delta Controls (23 09 23 53)				
23 09 23 53-0110	Software (23 09 23 53-0109) Note: Excludes programming, set-up and commissioning of application.				
23 09 23 53-0111	EA Orca Software Unlimited Points License (Delta Controls DOW333-USB).....	2,581.35			
23 09 23 53-0112	EA Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB).....	4,352.94			
23 09 23 53-0113	EA Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB).....	9,431.37			
23 09 23 53-0114	EA Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	14,914.68			
23 09 23 53-0115	EA Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB).....	7,659.78			
23 09 23 53-0116	EA Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	2,581.35			
23 09 23 53-0117	EA 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01).....	6,208.80			
23 09 23 53-0118	EA 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02).....	7,659.78			
23 09 23 53-0119	EA KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	2,710.39		129.86	
23 09 23 53-0120	EA Delta Controls Touch Screen (Delta Controls DHMI-7-I).....	2,953.91			
23 09 23 53-0121	EMCS Central Equipment And Controllers (23 09 23 53-0109)				
23 09 23 53-0122	EA Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	9,353.49		519.41	
23 09 23 53-0123	EA Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....	7,031.92		519.41	
23 09 23 53-0124	EA Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	5,098.49		519.41	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180).....	5,098.49	519.41
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	5,098.49	519.41
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	4,744.92	519.41
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,680.90	259.71
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,524.92	259.71
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,628.41	259.71
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,524.92	259.71
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,620.12	324.63
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	899.75	129.86
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404).....	965.51	129.86
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	1,136.08	129.86
23 09 23 53-0136		Network, VAV And Special Sensors (23 09 23 53-0109)		
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	299.66	41.55
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	407.07	46.75
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	803.25	19.48
23 09 23 53-0140		Honeywell Controls (23 09 23 53)		
23 09 23 53-0141		EMCS Central Equipment And Controllers (23 09 23 53-0140)		
23 09 23 53-0142		EMCS Network Area Controllers (BACnet Or Lon) (23 09 23 53-0141)		
		Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004).....	12,878.48	633.04
		Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.		
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022).....	8,787.85	633.04
		Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).		
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201).....	6,714.12	633.04
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.		
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ)	8,364.32	633.04
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.		
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN).....	6,657.31	633.04
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.		
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU)	6,657.31	633.04
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.		
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B)	7,228.03	633.04
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU).....	7,827.17	633.04
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N)	7,228.03	633.04
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	7,827.17	633.04
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B)	7,832.33	633.04
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU).....	8,431.47	633.04
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.				
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	7,832.33	633.04
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.				
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	8,431.47	633.04
Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.				
23 09 23 53-0157	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX).....	8,335.91	633.04
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.				
23 09 23 53-0158	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only).....	10,337.33	633.04
Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.				
23 09 23 53-0159	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ).....	10,954.54	633.04
Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.				
23 09 23 53-0160	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ).....	12,955.95	633.04
Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.				
23 09 23 53-0161	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX).....	10,982.95	633.04
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.				
23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ).....	14,797.25	633.04
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACES, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.				

23 09 23 53-0163 EMCS Network Interfaces (23 09 23 53-0141)

Note: Includes installation, start-up and tech labor.

23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001).....	1,859.62	175.30
Note: For desktop computer.				
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009).....	1,582.00	116.87
Note: For laptop computer.				
23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010).....	2,018.61	219.20
23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002).....	3,091.62	316.59
23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008).....	1,596.37	316.59
23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B).....	115.72	38.96

23 09 23 53-0170 DDC Application Specific Controller Assemblies (23 09 23 53-0141)

Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.

23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,965.61	715.86
23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,478.66	423.69
23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	3,170.14	838.58
23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	2,683.18	546.40
23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,503.49	876.60
23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,138.21	656.81
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,722.60	1,008.08
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	3,328.06	771.47
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,625.20	715.76
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,138.25	423.69
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,893.09	876.60
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	2,406.01	584.35
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	3,503.94	727.55
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	3,007.25	594.73
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	3,771.82	1,008.06
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	3,275.01	670.05
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	4,427.04	1,008.06
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	3,983.98	644.08
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	4,962.83	1,008.06
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	4,519.64	754.46

23 09 23 53-0191 DDC Programmable Controller Assemblies (23 09 23 53-0141)

Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.

23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	3,013.31	774.32
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	3,502.97	774.32
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	4,689.86	910.67
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies.....	5,189.52	910.67
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	8,579.49	1,066.50
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	9,145.52	1,066.50
23 09 23 53-0198 EMCS Optional DDC Controller Hardware (23 09 23 53-0141)				
Note: Used to expand the capacity of DDC programmable controller assemblies.				
23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005).....	588.80	
Note: For constant volume single zone and heat pump AHUs.				
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	680.48	
Note: For constant volume single zone and heat pump AHUs.				
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001).....	712.76	
Note: For constant volume single zone and heat pump AHUs.				
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	672.73	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016).....	683.06	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	667.57	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	574.60	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004).....	499.71	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	732.13	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000).....	654.66	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	723.09	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	1,535.28	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	1,909.74	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	954.22	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010).....	940.02	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	460.97	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	524.24	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001).....	968.43	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	1,035.57	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B).....	648.20	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B).....	648.20	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B).....	648.20	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B).....	648.20	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511).....	114.92	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513).....	216.93	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	213.05	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	652.07	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB).....	96.84	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	652.07	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	600.42	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	600.42	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	632.71	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	632.71	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI).....	910.32	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	1,074.31	
Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.				
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005).....	2,282.90	
Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.				
23 09 23 53-0235 EMCS Software (23 09 23 53-0140)				
23 09 23 53-0236 Software Packages And License (23 09 23 53-0235)				
Note: Includes installation on equipment.				
23 09 23 53-0237	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	728.26	
Note: Requires UI services to be installed on NAC.				
23 09 23 53-0238	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	2,769.94	
Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.				
23 09 23 53-0239	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX).....	8,134.78	
Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).				
23 09 23 53-0240	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	4,842.13	
Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.				
23 09 23 53-0241	EA	Upgrade Small Building To Large Building Software.....	5,481.53	
Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.				
23 09 23 53-0242	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W).....	3,835.75	
Note: One copy is included with WEB-S-AX and WEBStation-AX.				
23 09 23 53-0243	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX).....	6,863.70	
Note: Includes license for 10 points of E ² Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E ² Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.				
23 09 23 53-0244	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E ² Profiler Points (Honeywell WES-CP-AX).....	865.91	
Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.				
23 09 23 53-0245	EA	Perpetual License For One Point Of E ² Profiler (Honeywell WES-E2-AX).....	562.47	
Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.				
23 09 23 53-0246	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters.....	37,342.01	
Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.				
23 09 23 53-0247	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	34,059.07	
Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 09 23 53-0248	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	12,971.75	
23 09 23 53-0249	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	9,679.10	
23 09 23 53-0250	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	2,798.11	
23 09 23 53-0251	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,798.11	
23 09 23 53-0252	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL).....	19,368.52	
		Note: Excludes Oracle.		
23 09 23 53-0253	EA	Open System Driver Option (Honeywell WS-SNMP-500).....	2,582.47	
		Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 53-0254	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,798.11	
23 09 23 53-0255	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003).....	7,317.43	
		Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 53-0256	EA	WEBStation Additional Node (Honeywell ZW2000B1002).....	2,798.11	
23 09 23 53-0257	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	46,915.73	
23 09 23 53-0258	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	86,082.76	
23 09 23 53-0259	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	150,644.51	
23 09 23 53-0260	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	7,747.41	
23 09 23 53-0261	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007).....	3,873.70	
23 09 23 53-0262	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	3,040.35	
23 09 23 53-0263	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	3,350.99	
		Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.		

23 09 23 53-0264 Initial Database Generation (23 09 23 53-0235)

23 09 23 53-0265	PNT	Database Generation For Central Plant.....	87.13	
23 09 23 53-0266	PNT	Database Generation For Programmable Controller	87.13	
		Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0267	EA	Database Generation For Application Specific Controller	87.13	
		Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0268	EA	Replication Of Database Generation For Application Specific Controller.....	60.64	
		Note: Price per copy made.		
23 09 23 53-0269	EA	Database Generation For Remote IO Modules, Sensors, Etcetera	60.64	

23 09 23 53-0270 Application Software Programs (23 09 23 53-0235)

23 09 23 53-0271	EA	Optimum Start/Stop Program.....	121.55	
		Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0272	EA	Duty Cycling Program.....	57.40	
23 09 23 53-0273	EA	Demand Limiting Program	106.61	
		Note: Priced per controller requiring optimum start programming.		

23 09 23 53-0274 Color Graphics Generation (23 09 23 53-0235)

		Note: Priced per page.		
23 09 23 53-0275	EA	Single Site Home Page Graphics Page With HTML Navigation Code	2,178.71	
23 09 23 53-0276	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	3,868.22	
23 09 23 53-0277	EA	Color Graphics Page For Central Plant.....	989.88	
23 09 23 53-0278	EA	Color Graphics Page For Building Floor Plan	914.05	
23 09 23 53-0279	EA	Replication Of Color Graphics Page For Central Plant	496.56	
23 09 23 53-0280	EA	Color Graphics Page For Programmable Controller	1,113.63	
		Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0281	EA	Replication Of Color Graphics Page For Programmable Controller	238.15	
		Note: Priced per copy made.		
23 09 23 53-0282	EA	Color Graphics Page For Application Specific Controller.....	1,030.01	
		Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0283	EA	Replication Of Color Graphics Page For Application Specific Cont	102.98	
		Note: Priced per copy made.		

23 09 23 53-0284 Sensors, Actuators And Control Devices (23 09 23 53-0140)

Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.

23 09 23 53-0285 Special Sensors (23 09 23 53-0284)

23 09 23 53-0286	EA	Dewpoint Sensor (Honeywell C7232B1014).....	2,318.33	80.38
23 09 23 53-0287	EA	Enthalpy Sensor -25 To 125 F	2,419.49	80.38
23 09 23 53-0288	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	1,082.81	160.76
23 09 23 53-0289	EA	Freezestat (Honeywell L482A1004).....	742.71	267.89
23 09 23 53-0290	EA	Wall Mounted Occupancy Sensor.....	536.71	80.38
23 09 23 53-0291	EA	Ceiling Mounted Occupancy Sensor.....	425.19	80.38
23 09 23 53-0292	EA	I/P Positioner With Gauge.....	500.99	80.38
23 09 23 53-0293	EA	Non-Communicating Duct Mounted Smoke Detector With Sampling Tube	599.62	80.38
23 09 23 53-0294	EA	EP Transducer	500.99	53.63
23 09 23 53-0295	EA	Electric Heat Sequencer	793.71	107.13

23 09 23 53-0296 Meters (23 09 23 53-0284)

23 09 23 53-0297	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer.....	5,110.96	642.78
23 09 23 53-0298	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	7,409.34	749.91
23 09 23 53-0299	EA	1 To 300 Amperes, Current Transformer For KW Meter.....	1,772.45	267.89
23 09 23 53-0300	EA	300 To 800 Amperes, Current Transformer For KW Meter.....	2,033.08	267.89
23 09 23 53-0301	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	2,532.92	267.89

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0302 Direct Coupled Actuators (23 09 23 53-0284)				
23 09 23 53-0303	EA	44 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	720.76	114.65
23 09 23 53-0304	EA	88 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	794.19	114.65
23 09 23 53-0305	EA	175 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	920.44	114.65
23 09 23 53-0306	EA	44 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	677.79	114.65
23 09 23 53-0307	EA	88 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	756.76	114.65
23 09 23 53-0308	EA	175 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	834.96	114.65
23 09 23 53-0309	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	761.08	114.65
23 09 23 53-0310	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	873.68	114.65
23 09 23 53-0311	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	995.21	114.65
23 09 23 53-0312	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	619.21	114.65
23 09 23 53-0313	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	679.17	114.65
23 09 23 53-0314	EA	175 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	799.62	114.65
23 09 23 53-0315	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	856.32	114.65
23 09 23 53-0316	EA	300 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	855.61	114.65
23 09 23 53-0317	EA	300 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	1,011.09	114.65
23 09 23 53-0318	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	643.78	114.65
23 09 23 53-0319	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	1,125.58	114.65
23 09 23 53-0320	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	485.31	114.65
23 09 23 53-0321	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	738.32	114.65
23 09 23 53-0322 Plastic, Two Way, Pneumatic Activated (23 09 23 53-0284)				
23 09 23 53-0323 Polyvinyl Chloride (PVC) Butterfly Valve With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals (23 09 23 53-0322)				
Note: With NEMA 4X housing.				
23 09 23 53-0324	EA	1-1/2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,671.62	40.87
For Low Pressure Steam, Add			258.99	
23 09 23 53-0325	EA	2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,687.17	48.66
For Low Pressure Steam, Add			258.99	
23 09 23 53-0326	EA	3" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,912.96	129.77
For Low Pressure Steam, Add			265.39	
23 09 23 53-0327	EA	4" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,995.02	194.65
For Low Pressure Steam, Add			260.51	
23 09 23 53-0328	EA	6" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,280.38	259.53
For Low Pressure Steam, Add			276.05	
23 09 23 53-0329	EA	8" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,797.96	291.97
For Low Pressure Steam, Add			321.45	
23 09 23 53-0330 Polyvinyl Chloride (PVC) Butterfly Valve With Viton Liner And Seals (23 09 23 53- 0322)				
Note: With NEMA 4X housing.				
23 09 23 53-0331	EA	1-1/2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,741.70	40.87
For Low Pressure Steam, Add			265.99	
23 09 23 53-0332	EA	2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,757.25	48.66
For Low Pressure Steam, Add			265.99	
23 09 23 53-0333	EA	3" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,979.99	129.77
For Low Pressure Steam, Add			272.09	
23 09 23 53-0334	EA	4" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,311.90	194.65
For Low Pressure Steam, Add			292.20	
23 09 23 53-0335	EA	6" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,358.98	259.53
For Low Pressure Steam, Add			383.91	
23 09 23 53-0336	EA	8" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	5,601.72	291.97
For Low Pressure Steam, Add			501.82	
23 09 23 53-0337 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve (23 09 23 53- 0322)				
Note: With NEMA 4X housing.				
23 09 23 53-0338	EA	1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,515.25	68.77
For Low Pressure Steam, Add			137.72	
23 09 23 53-0339	EA	3/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,597.30	81.10
For Low Pressure Steam, Add			143.51	
23 09 23 53-0340	EA	1" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,678.36	92.78
For Low Pressure Steam, Add			149.30	
23 09 23 53-0341	EA	1-1/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,043.03	98.62
For Low Pressure Steam, Add			184.64	
23 09 23 53-0342	EA	1-1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,062.70	108.35
For Low Pressure Steam, Add			184.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 23 09 23 53-0343 EA 2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve2,470.74 124.58
For Low Pressure Steam, Add 222.12

23 09 23 53-0344 Chlorinated Polyvinyl Chloride (CPVC), Pneumatically Activated Diaphragm Valve (23 09 23 53-0322)

Note: With NEMA 4X housing.

 23 09 23 53-0345 EA 1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve1,685.88 68.77
For Low Pressure Steam, Add 154.78
 23 09 23 53-0346 EA 3/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve1,798.40 81.10
For Low Pressure Steam, Add 163.62
 23 09 23 53-0347 EA 1" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve1,897.74 92.78
For Low Pressure Steam, Add 171.24
 23 09 23 53-0348 EA 1-1/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve2,335.53 98.62
For Low Pressure Steam, Add 213.89
 23 09 23 53-0349 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve2,355.20 108.35
For Low Pressure Steam, Add 213.89
 23 09 23 53-0350 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve2,723.63 124.58
For Low Pressure Steam, Add 247.41

23 09 23 53-0351 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve (23 09 23 53-0322)

Note: With VITON seals.

 23 09 23 53-0352 EA 1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals670.43 68.77
For Low Pressure Steam, Add 53.29
 23 09 23 53-0353 EA 3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals748.19 81.10
For Low Pressure Steam, Add 58.60
 23 09 23 53-0354 EA 1" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals817.07 92.78
For Low Pressure Steam, Add 63.15
 23 09 23 53-0355 EA 1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals1,072.09 97.97
For Low Pressure Steam, Add 87.61
 23 09 23 53-0356 EA 1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals1,078.57 101.21
For Low Pressure Steam, Add 87.61
 23 09 23 53-0357 EA 2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals1,351.84 117.44
For Low Pressure Steam, Add 111.70

23 09 23 53-0358 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve (23 09 23 53-0322)

Note: With PTFE seals.

 23 09 23 53-0359 EA 1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals717.84 68.77
For Low Pressure Steam, Add 58.03
 23 09 23 53-0360 EA 3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals791.82 81.10
For Low Pressure Steam, Add 62.96
 23 09 23 53-0361 EA 1" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals858.78 92.78
For Low Pressure Steam, Add 67.32
 23 09 23 53-0362 EA 1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals1,102.43 97.97
For Low Pressure Steam, Add 90.65
 23 09 23 53-0363 EA 1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals1,108.91 101.21
For Low Pressure Steam, Add 90.65
 23 09 23 53-0364 EA 2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals1,372.71 117.44
For Low Pressure Steam, Add 113.78

23 09 23 53-0365 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve (23 09 23 53-0322)

Note: With ethylene propylene diene monomer (EPDM) seals.

 23 09 23 53-0366 EA 1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals600.29 68.77
For Low Pressure Steam, Add 46.27
 23 09 23 53-0367 EA 3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals660.96 81.10
For Low Pressure Steam, Add 49.88
 23 09 23 53-0368 EA 1" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals720.36 92.78
For Low Pressure Steam, Add 53.48
 23 09 23 53-0369 EA 1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals954.51 97.97
For Low Pressure Steam, Add 75.86
 23 09 23 53-0370 EA 1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals960.99 101.21
For Low Pressure Steam, Add 75.86
 23 09 23 53-0371 EA 2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals1,205.84 117.44
For Low Pressure Steam, Add 97.10

23 09 23 53-0372 Three-Way Modular Polyvinyl Chloride (PVC) Ball Valve (23 09 23 53-0322)

Note: Equipped for actuator.

 23 09 23 53-0373 EA 1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket142.08 23.36
 23 09 23 53-0374 EA 3/4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket165.42 28.54
 23 09 23 53-0375 EA 1" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket178.44 30.50
 23 09 23 53-0376 EA 1-1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket329.80 46.07
 23 09 23 53-0377 EA 2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket506.56 94.08
 23 09 23 53-0378 EA 3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket1,027.35 129.77
 23 09 23 53-0379 EA 4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket1,903.58 194.65
 23 09 23 53-0380 EA 2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged771.64 94.08
 23 09 23 53-0381 EA 3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged1,503.99 220.61
 23 09 23 53-0382 EA 4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged2,721.20 369.83

23 09 23 53-0383 Electric Activated Plastic Control Valves (23 09 23 53-0284)

Note: Includes motor.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0384 Two Way Plastic Electric Control Valves With Electric Actuator (23 09 23 53-0383) Note: With NEMA 4X housing.		
23 09 23 53-0385 Two Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator (23 09 23 53-0384)		
23 09 23 53-0386 EA 1/2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	795.40	21.41
23 09 23 53-0387 EA 3/4" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	819.73	25.96
23 09 23 53-0388 EA 1" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	854.09	27.90
23 09 23 53-0389 EA 1-1/4" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	910.52	40.87
23 09 23 53-0390 EA 1-1/2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	910.52	40.87
23 09 23 53-0391 EA 2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC)	993.10	48.66
23 09 23 53-0392 Two Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator (23 09 23 53-0384)		
23 09 23 53-0393 EA 1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	850.25	21.41
23 09 23 53-0394 EA 3/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	874.57	25.96
23 09 23 53-0395 EA 1" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	930.26	27.90
23 09 23 53-0396 EA 1-1/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	998.88	40.87
23 09 23 53-0397 EA 1-1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	998.88	40.87
23 09 23 53-0398 EA 2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,105.83	48.66
23 09 23 53-0399 Three Way Plastic Electric Control Valves With Electric Actuator (23 09 23 53-0383) Note: With NEMA 4X housing.		
23 09 23 53-0400 Three Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator (23 09 23 53-0399)		
23 09 23 53-0401 EA 1/2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	854.15	23.36
23 09 23 53-0402 EA 3/4" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	879.76	28.54
23 09 23 53-0403 EA 1" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	923.25	30.50
23 09 23 53-0404 EA 1-1/2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	1,097.60	46.07
23 09 23 53-0405 EA 2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC)	1,337.29	94.08
23 09 23 53-0406 Three Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator (23 09 23 53-0399)		
23 09 23 53-0407 EA 1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	899.85	23.36
23 09 23 53-0408 EA 3/4" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	937.65	28.54
23 09 23 53-0409 EA 1" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	987.24	30.50
23 09 23 53-0410 EA 1-1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,192.05	46.07
23 09 23 53-0411 EA 2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,474.40	94.08
23 09 23 53-0412 Two Way Plastic Electric Control Butterfly Valves (23 09 23 53-0383) Note: Includes electric actuator. With NEMA 4X housing.		
23 09 23 53-0413 Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals (23 09 23 53-0412)		
23 09 23 53-0414 EA 1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,769.13	40.87
23 09 23 53-0415 EA 2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,784.68	48.66
23 09 23 53-0416 EA 3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,979.99	129.77
23 09 23 53-0417 EA 4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,619.63	194.65
23 09 23 53-0418 EA 6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	4,017.73	259.53
23 09 23 53-0419 EA 8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	4,535.31	291.97
23 09 23 53-0420 Polyvinyl Chloride (PVC) With Viton Liner And Seals (23 09 23 53-0412)		
23 09 23 53-0421 EA 1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,113.43	40.87
23 09 23 53-0422 EA 2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,128.98	48.66
23 09 23 53-0423 EA 3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,351.71	129.77
23 09 23 53-0424 EA 4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,149.79	194.65
23 09 23 53-0425 EA 6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,913.52	259.53
23 09 23 53-0426 EA 8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	6,034.38	291.97
23 09 23 53-0427 Thermostats (23 09 23 53-0140)		
23 09 23 53-0428 Electric And Electronic Thermostats (23 09 23 53-0427) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0429 EA Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	235.20	19.48
23 09 23 53-0430 EA Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	253.81	19.48
23 09 23 53-0431 EA Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	233.13	19.48
23 09 23 53-0432 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	261.46	19.48
23 09 23 53-0433 EA Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	282.75	19.48

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 09 23 53-0434	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321).....	419.21	19.48	
23 09 23 53-0435	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F).....	613.55	19.48	
23 09 23 53-0436	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	997.80	19.48	
23 09 23 53-0437	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	1,064.56	19.48	
23 09 23 53-0438		Pneumatic Thermostats (23 09 23 53-0427) Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.			
23 09 23 53-0439	EA	Pneumatic Thermostat (Honeywell TP970B2182).....	329.18	19.48	
23 09 23 53-0440		Thermostats Guards (23 09 23 53-0427)			
23 09 23 53-0441	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	79.17	19.48	
23 09 23 53-0442	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511).....	94.68	19.48	
23 09 23 53-0443	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	89.10	19.48	
23 09 23 53-0444		Johnson Controls (23 09 23 53)			
23 09 23 53-0445		Software (23 09 23 53-0444) Note: Excludes programming, set-up and commissioning of application.			
23 09 23 53-0446	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	21,029.25		
23 09 23 53-0447	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	24,872.16		
23 09 23 53-0448	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	1,217.39		
23 09 23 53-0449	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	1,850.71		
23 09 23 53-0450	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0).....	3,287.40		
23 09 23 53-0451	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	1,228.11		
23 09 23 53-0452	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0).....	1,220.89		
23 09 23 53-0453	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6).....	437.54		
23 09 23 53-0454		Supervisory Controllers (23 09 23 53-0444)			
23 09 23 53-0455	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	9,112.81	519.41	
23 09 23 53-0456	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	14,180.94	519.41	
23 09 23 53-0457	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1).....	19,260.31	519.41	
23 09 23 53-0458	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	7,160.59	519.41	
23 09 23 53-0459		Controllers (23 09 23 53-0444)			
23 09 23 53-0460	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	1,057.98	129.86	
23 09 23 53-0461	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0).....	1,395.92	259.71	
23 09 23 53-0462	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,814.40	259.71	
23 09 23 53-0463	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	2,152.33	259.71	
23 09 23 53-0464	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0).....	864.10	129.86	
23 09 23 53-0465	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	950.27	129.86	
23 09 23 53-0466	EA	BACnet MS/TP 12 Point I/O Module With 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0).....	1,079.53	129.86	
23 09 23 53-0467	EA	17 Point I/O Module With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0).....	1,096.76	129.86	
23 09 23 53-0468	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	2,240.25	259.71	
23 09 23 53-0469	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0).....	1,073.65	129.86	
23 09 23 53-0470	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0).....	1,565.08	129.86	
		Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications			
23 09 23 53-0471		Master FX Controllers (23 09 23 53-0444)			
23 09 23 53-0472	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	2,833.01	259.71	
23 09 23 53-0473	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	3,037.21	259.71	
23 09 23 53-0474	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	3,138.68	259.71	
23 09 23 53-0475	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	3,077.01	259.71	
23 09 23 53-0476	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	2,980.64	259.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0477	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	2,996.09	259.71
23 09 23 53-0478	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	2,980.64	259.71
23 09 23 53-0479	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	3,037.43	259.71
23 09 23 53-0480	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	3,213.78	259.71
23 09 23 53-0481	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	3,331.34	259.71
23 09 23 53-0482	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	3,272.56	259.71
23 09 23 53-0483	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	3,152.23	259.71
23 09 23 53-0484	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	3,037.43	259.71
23 09 23 53-0485	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	3,213.78	259.71
23 09 23 53-0486	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	3,331.34	259.71
23 09 23 53-0487	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	3,272.56	259.71
23 09 23 53-0488	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	3,152.23	259.71
23 09 23 53-0489	EA		N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	338.15	64.92
23 09 23 53-0490	EA		LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	482.82	64.92
23 09 23 53-0491	EA		RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	378.76	64.92
23 09 23 53-0492	EA		BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	338.15	64.92
23 09 23 53-0493	EA		Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	936.49	64.92
23 09 23 53-0494	EA		Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	862.07	64.92
23 09 23 53-0495	EA		5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	879.49	64.92
23 09 23 53-0496	EA		5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	879.49	64.92
23 09 23 53-0497	EA		5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	966.53	64.92
23 09 23 53-0498	EA		5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	966.53	64.92
23 09 23 53-0499	EA		6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	1,216.76	64.92
23 09 23 53-0500	EA		6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	1,216.76	64.92
23 09 23 53-0501	EA		6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	1,358.20	64.92
23 09 23 53-0502	EA		6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	1,358.20	64.92
23 09 23 53-0503 VAV, Network And Special Sensors (23 09 23 53-0444)					
23 09 23 53-0504	EA		3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	640.90	41.55
23 09 23 53-0505	EA		3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	213.59	41.55
23 09 23 53-0506	EA		3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	495.73	41.55
23 09 23 53-0507	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	742.14	41.55
23 09 23 53-0508	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	245.59	41.55
23 09 23 53-0509	EA		3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	672.66	41.55
23 09 23 53-0510 Sensors - Hard Wired Type (23 09 23 53-0444)					
23 09 23 53-0511	EA		Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	206.29	74.80
23 09 23 53-0512	EA		Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	177.01	41.55
23 09 23 53-0513	EA		BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	498.57	19.48
Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.					
23 09 23 53-0514	EA		BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	675.42	19.48
Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.					
23 09 23 53-0515	EA		BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2).....	499.54	19.48
Note: For VVT systems.					
23 09 23 53-0516	EA		BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	656.88	41.55
23 09 23 53-0517	EA		BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	809.93	41.55
23 09 23 53-0518 Melink Intelli-Hood IH3 Controls (23 09 23 53)					
23 09 23 53-0519 Kitchen Ventilation Controllers (23 09 23 53-0518)					
23 09 23 53-0520	EA		Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	10,592.18	519.41
Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.					
23 09 23 53-0521	EA		Graphical User Interface (Melink Intelli-Hood 2KPD-3001).....	2,011.33	107.13
Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 09 23 53-0522	EA	Hood Controller (Melink Intelli-Hood 2SEN-3001) Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	3,275.28	432.41
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23 09 23 53-0523 Kitchen Ventilation Sensors (23 09 23 53-0518)

23 09 23 53-0524	EA	Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q) Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	592.67	74.80
23 09 23 53-0525	EA	Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	5,095.03	415.53

23 09 23 53-0526 Siemens Controls (23 09 23 53)

23 09 23 53-0527	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	480.67	19.48
23 09 23 53-0528	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	339.00	19.48
23 09 23 53-0529	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	348.92	87.73
23 09 23 53-0530	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	530.10	87.73
23 09 23 53-0531	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	81.40	12.99
23 09 23 53-0532	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	272.26	129.86
23 09 23 53-0533	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	443.94	22.57
23 09 23 53-0534	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	783.04	40.98
23 09 23 53-0535	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	1,577.46	40.98
23 09 23 53-0536	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	1,333.77	51.91
23 09 23 53-0537	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	349.59	74.80
23 09 23 53-0538	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	294.11	41.55
23 09 23 53-0539	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	641.92	61.29
23 09 23 53-0540	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	116.98	6.49
23 09 23 53-0541	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,038.06	124.66
23 09 23 53-0542	EA	MMI Extension Cable (Siemens 545-712)	255.31	6.49
23 09 23 53-0543	EA	Remote Pressure Transmitter (Siemens 547-003)	1,545.18	41.55
23 09 23 53-0544	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	948.46	31.16
23 09 23 53-0545	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	822.82	83.11
23 09 23 53-0546	EA	Door Lock And Key Assembly (Siemens 567-225).....	45.40	25.97
23 09 23 53-0547	EA	Insight Advanced Software Package (Siemens 571-010-381-USB)	15,676.35	
		Note: Includes one user license and one sentinel key.		
23 09 23 53-0548	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	557.42	
23 09 23 53-0549	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,453.49	
23 09 23 53-0550	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	521.42	13.63
23 09 23 53-0551	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	1,097.63	23.61
23 09 23 53-0552	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	10,293.02	51.95
23 09 23 53-0553	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	12,127.12	51.95
23 09 23 53-0554	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	188.72	19.48
23 09 23 53-0555	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	479.64	55.59
23 09 23 53-0556	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	511.45	55.59
23 09 23 53-0557	EA	License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E-A And PXC36-PE-A (Siemens LSM-36.A)	4,552.69	
23 09 23 53-0558	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	919.31	
23 09 23 53-0559	EA	License To Enable FLN Support On Models PXC36-E-A And PXC36-PE-A (Siemens LSM-FLN36.A)	2,958.71	
23 09 23 53-0560	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	2,118.02	
23 09 23 53-0561	EA	License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E-A And PXC36-PE-A (Siemens LSM-IB36.A)	1,820.76	
23 09 23 53-0562	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,382.98	
23 09 23 53-0563	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	856.49	2.60
23 09 23 53-0564	EA	16-Switch HOA Upgrade Kit (Extended Temp. UL 916) With HMI Cable (Siemens PXA16-MR).....	955.81	10.39
23 09 23 53-0565	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	484.52	2.60
23 09 23 53-0566	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	480.07	72.72
23 09 23 53-0567	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	837.08	72.72
23 09 23 53-0568	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	1,173.98	83.11
23 09 23 53-0569	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	43.18	12.99
23 09 23 53-0570	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	844.71	32.47
23 09 23 53-0571	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	1,355.59	32.47
23 09 23 53-0572	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	1,032.93	32.47
23 09 23 53-0573	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,570.72	32.47
23 09 23 53-0574	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,596.08	64.92
23 09 23 53-0575	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	5,944.71	64.92
23 09 23 53-0576	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	6,772.69	64.92
23 09 23 53-0577	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,863.00	64.92
23 09 23 53-0578	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,227.71	64.92
23 09 23 53-0579	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	1,986.06	64.92
23 09 23 53-0580	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,716.67	64.92

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0581	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	2,968.49	64.92
23 09 23 53-0582	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,906.02	64.92
23 09 23 53-0583	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,131.65	64.92
23 09 23 53-0584	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,900.33	64.92
23 09 23 53-0585	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,130.11	64.92
23 09 23 53-0586	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,034.66	64.92
23 09 23 53-0587	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	8,051.02	64.92
23 09 23 53-0588	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	1,365.84	
23 09 23 53-0589	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	544.24	32.47
23 09 23 53-0590	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	396.76	32.47
23 09 23 53-0591	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3)	903.80	25.97
		Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported		
23 09 23 53-0592	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	306.62	32.47
23 09 23 53-0593	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	299.54	41.55
23 09 23 53-0594	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	149.29	32.47
23 09 23 53-0595	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	111.57	32.47
23 09 23 53-0596	EA	24" Flexible Averaging Probe (Siemens QAM2012.750)	328.39	64.92
23 09 23 53-0597	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	210.13	48.69
23 09 23 53-0598	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	3,677.58	418.39
23 09 23 53-0599	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	39.32	12.99
23 09 23 53-0600	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.89	
23 09 23 53-0601	EA	16 Digital Input Module (Siemens TXM1.16D)	677.27	12.99
23 09 23 53-0602	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	1,025.24	12.99
23 09 23 53-0603	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,646.21	25.97
23 09 23 53-0604	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	503.09	7.79
23 09 23 53-0605 Trane Controls (23 09 23 53)				
23 09 23 53-0606 Software (23 09 23 53-0605)				
		Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0607	EA	Summit + Building Management Package (Trane 40201152)	7,786.58	
23 09 23 53-0608	EA	Summit Current Version Software (Trane 40201111)	4,398.96	
23 09 23 53-0609	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	1,061.83	
23 09 23 53-0610	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	4,372.46	
23 09 23 53-0611	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	12,077.46	
23 09 23 53-0612 EMCS Central Equipment And Controllers (23 09 23 53-0605)				
23 09 23 53-0613	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	6,766.65	519.41
23 09 23 53-0614	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	15,384.29	519.41
23 09 23 53-0615	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	15,384.29	519.41
23 09 23 53-0616	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	13,513.10	519.41
23 09 23 53-0617	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	15,688.72	519.41
23 09 23 53-0618	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	238.18	32.47
23 09 23 53-0619	EA	Summit Comm5 Repeater (Trane 49500457)	1,837.37	259.71
23 09 23 53-0620	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	3,122.74	324.63
23 09 23 53-0621	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	4,006.99	389.57
23 09 23 53-0622	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	3,142.33	389.57
23 09 23 53-0623	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	2,654.50	389.57
23 09 23 53-0624	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	2,651.81	389.57
23 09 23 53-0625	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	1,196.77	129.86
23 09 23 53-0626	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	1,089.29	129.86
23 09 23 53-0627	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,963.74	259.71
23 09 23 53-0628	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,874.60	259.71
23 09 23 53-0629	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	1,049.92	129.86
23 09 23 53-0630	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	920.50	129.86
23 09 23 53-0631	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	1,368.38	129.86
23 09 23 53-0632	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	1,239.67	129.86
23 09 23 53-0633	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500499)	1,061.44	129.86
23 09 23 53-0634	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	1,012.02	129.86
23 09 23 53-0635	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	1,163.78	129.86
23 09 23 53-0636	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	1,061.44	129.86
23 09 23 53-0637	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	1,476.72	259.71
23 09 23 53-0638	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,604.00	259.71
23 09 23 53-0639 Network, VAV And Special Sensors (23 09 23 53-0605)				
23 09 23 53-0640	EA	Digital Display Zone Sensor (Trane X13790464010)	250.53	41.55
23 09 23 53-0641	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	167.16	41.55
23 09 23 53-0642	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	153.10	41.55
23 09 23 53-0643	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	308.72	46.75
23 09 23 53-0644	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	186.38	41.55
23 09 23 53-0645	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	186.38	41.55
23 09 23 53-0646	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	650.04	74.80
23 09 23 53-0647	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	595.06	41.55
23 09 23 53-0648	EA	Transformer 120/24 40 VA (Trane X13550284010)	146.07	41.55
23 09 23 53-0649	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	141.04	41.55
23 09 23 53-0650	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	133.01	41.55
23 09 23 53-0651	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,655.71	259.71
23 09 23 53-0652	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,587.04	259.71

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 09 23 53-0653	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....	1,443.75	259.71
23 09 23 53-0654	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	2,574.29	389.57
23 09 23 53-0655	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,443.75	259.71
23 09 23 53-0656	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,516.43	259.71
23 09 23 53-0657	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,522.10	259.71
23 09 23 53-0658	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898).....	552.14	258.61
23 09 23 53-0659	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	794.05	258.61
23 09 23 53-0660	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	2,878.64	389.57
23 09 23 53-0661	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	2,768.15	389.57
23 09 23 53-0662	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010).....	171.18	51.75
23 09 23 53-0663	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010).....	615.60	51.75
23 09 23 53-0664	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	2,946.94	389.57
23 09 23 53-0665	EA	BACnet Term (2 Pack) (Trane X1365152401).....	272.08	93.10
23 09 23 53-0666	EA	Tracer ES Add License (Trane X40250125010).....	3,538.15	
23 09 23 53-0667	EA	Kit - Tracer TU For Controls (Trane X4509151201).....	5,396.38	519.41
23 09 23 53-0668	EA	Kit - Tracer TU Complete (Trane X4509151301).....	7,079.84	519.41
23 09 23 53-0669	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	697.97	93.10
23 09 23 53-0670	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	401.66	93.10
23 09 23 53-0671	EA	Sensor Wireless Display Sensor (Trane X13790822010).....	453.89	93.10
23 09 23 53-0672	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	406.68	93.10
23 09 23 53-0673	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	551.17	93.10
23 09 23 53-0674	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	600.38	93.10

23 09 23 53-0675 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators
(23 09 23 53)
23 09 23 53-0676 Current Switches And Current Sensors
(23 09 23 53-0675)

23 09 23 53-0677	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203).....	156.11	41.55
23 09 23 53-0678	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205).....	162.14	41.55
23 09 23 53-0679	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	250.53	41.55
23 09 23 53-0680	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	148.08	41.55
23 09 23 53-0681	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA).....	455.44	41.55
23 09 23 53-0682	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	290.45	41.55
23 09 23 53-0683	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	221.58	41.55
23 09 23 53-0684	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	221.58	41.55
23 09 23 53-0685	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	5,946.24	207.77
23 09 23 53-0686	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2).....	1,511.52	41.55
Note: 3 phase networked transducer.				
23 09 23 53-0687	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3).....	2,297.60	41.55
23 09 23 53-0688	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV).....	237.75	41.55
23 09 23 53-0689	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800).....	355.09	110.38
23 09 23 53-0690	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	355.58	110.38
23 09 23 53-0691	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	379.68	110.38
23 09 23 53-0692	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	385.71	110.38
23 09 23 53-0693	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904).....	419.86	110.38
23 09 23 53-0694	EA	Toggle Switch	145.14	51.95
23 09 23 53-0695	EA	Maintained Pushbutton Switch.....	154.98	51.95
23 09 23 53-0696	EA	Manual Time Switch.....	247.76	51.95
23 09 23 53-0697	EA	Emergency Stop Switch.....	413.67	51.95
23 09 23 53-0698	EA	Float Switch	399.44	51.95
23 09 23 53-0699	EA	Break Glass Switch.....	1,306.59	51.95
23 09 23 53-0700	EA	Boiler E-Stop Switch	803.22	51.95

23 09 23 53-0701 Relays
(23 09 23 53-0675)

23 09 23 53-0702	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	128.99	41.55
23 09 23 53-0703	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	141.35	41.55
23 09 23 53-0704	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B).....	199.89	51.95
Note: Box type.				
23 09 23 53-0705	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2).....	252.18	41.55
23 09 23 53-0706	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05).....	120.03	41.55
23 09 23 53-0707	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	118.22	41.55
23 09 23 53-0708	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V).....	128.99	41.55
23 09 23 53-0709	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	134.64	41.55
23 09 23 53-0710	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	136.18	41.55
23 09 23 53-0711	EA	SPDT Pilot Relay, Universal (Kele RIBU1C).....	147.84	51.95
Note: Box type.				
23 09 23 53-0712	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S)	198.26	51.95
Note: Box type.				
23 09 23 53-0713	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	353.77	51.95
23 09 23 53-0714	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	351.54	51.95

23 09 23 53-0715 Transformers
(23 09 23 53-0675)

23 09 23 53-0716	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA).....	154.79	41.55
23 09 23 53-0717	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	168.81	41.55
23 09 23 53-0718	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA).....	168.81	41.55
23 09 23 53-0719	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	181.50	41.55
23 09 23 53-0720	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA).....	189.32	41.55

23 09 23 53-0721 Power Supplies
(23 09 23 53-0675)

23 09 23 53-0722	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	233.68	41.55
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MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0723	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	272.59	41.55
23 09 23 53-0724	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	255.05	41.55
23 09 23 53-0725	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	263.35	41.55
23 09 23 53-0726	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	255.95	41.55
23 09 23 53-0727	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P).....	268.33	41.55
23 09 23 53-0728	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C).....	200.23	41.55
23 09 23 53-0729 Control Damper Actuators (23 09 23 53-0675)				
23 09 23 53-0730	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	585.10	114.81
23 09 23 53-0731	EA	90 IN-Lb., 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	632.10	114.81
23 09 23 53-0732	EA	90 IN-Lb., 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	709.10	114.81
23 09 23 53-0733	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	745.90	114.81
23 09 23 53-0734	EA	90 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	767.73	114.81
23 09 23 53-0735	EA	360 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	853.58	114.81
23 09 43 Pneumatic Control System For HVAC (23 09)				
23 09 43 00-0001		Pneumatic Tubing For HVAC Instrumentation and Control Devices (23 09 43)		
23 09 43 00-0002 Polyurethane Pneumatic Tubing (23 09 43 00-0001)				
23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.72	1.07
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.42	1.11
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.45	1.14
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	5.62	1.17
23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing (23 09 43 00-0001)				
23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.44	1.07
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.61	1.11
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.99	1.14
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.69	1.17
23 09 43 00-0012 Nylon Pneumatic Tubing (23 09 43 00-0001)				
23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.86	1.04
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	3.77	1.07
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	5.65	1.14
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	7.21	1.17
23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing (23 09 43 00-0001)				
23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	2.81	1.07
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.48	1.14
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	5.38	1.17
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	6.54	1.20
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	7.39	1.23
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	10.08	1.27
23 09 43 00-0024 Braided Vinyl Pneumatic Tubing (23 09 43 00-0001)				
23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing.....	3.78	1.20
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing.....	4.38	1.23
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing.....	5.45	1.27
23 09 43 00-0028 Copper Pneumatic Tubing (23 09 43 00-0001)				
23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	6.07	2.31
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	7.43	2.66
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	8.63	3.06
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	10.71	3.53
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	12.17	4.05
23 09 43 00-0034 Brass Couplings (23 09 43 00-0001)				
See CSI section 22 11 16 00-0383 for copper tubing.				
23 09 43 00-0035 Straight Brass Couplings (23 09 43 00-0034)				
Note: Barb x Barb				
23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling.....	12.53	5.84
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling.....	12.67	5.84
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling.....	12.81	5.84
23 09 43 00-0039 Elbow Brass Couplings (23 09 43 00-0034)				
Note: Barb x Barb				
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	13.31	5.84
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	13.78	5.84

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 09 Instrumentation and Control for HVAC****23 09 43 Pneumatic Control System For HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 09 43 00-0042 Tee Brass Couplings (23 09 43 00-0034)

Note: Barb x Barb

23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	20.33	9.08
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	23.33	9.73
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	22.83	9.73

23 10 Facility Fuel Systems (23)**23 11 Facility Fuel Piping (23 10)****23 11 23 Facility Natural-Gas Piping (23 11)**

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)**23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)**

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.67	2.28
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.33	2.46
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.75	2.67
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	10.97	2.82
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.88	2.96
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.40	3.08
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.16	3.28

23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)**23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)**

23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.96	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.96	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.25	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.25	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.94	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.77	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.77	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.50	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	169.52	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	273.27	

23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.00	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.25	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.25	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.94	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.94	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.41	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.41	

23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.51	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.27	

23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.41	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	46.98	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.65	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	83.39	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	154.56	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	299.85	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	496.60	

23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)

23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.76	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.29	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	146.51		
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	250.41		
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	269.14		
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	308.73		
23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.23		
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.57		
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	43.00		
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.34		
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	58.15		
23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.97		
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.16		
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.62		
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.47		
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.47		
23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.37		
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.08		
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	72.37		
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	112.76		
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	117.01		
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	167.02		
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	206.77		
23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	71.00		
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	72.65		
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	79.85		
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	141.35		
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	145.83		
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	199.16		
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	250.30		
23 11 23 00-0076 Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.69		
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.90		
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	65.83		
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	100.37		
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	193.11		
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	306.24		
23 11 23 00-0083 Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)					
Note: Includes mounting plate.					
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.15		
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	38.27		
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.19		
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.30		
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.82		
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.57		
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.18		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 11 23 00-0091		Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010) Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	98.82	23.89
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	111.37	25.08
23 11 23 00-0094		Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	71.44	20.91
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	83.20	24.84
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	102.00	29.87
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	127.96	39.89
23 11 23 00-0099		Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010) Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	87.63	24.84
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	99.68	29.87
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	128.24	24.84
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	103.56	29.87
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	200.03	74.65
23 11 23 00-0105		Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.46	24.84
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.46	24.84
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	128.24	24.84
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	138.19	29.87
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	138.19	29.87
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	158.10	39.89
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	234.34	44.79
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	121.91	24.84
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	300.20	29.87
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	726.06	44.79
23 11 23 00-0116		Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) (23 11 23)		
23 11 23 00-0117		3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	49.78	17.92
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	54.32	19.11
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	58.69	19.11
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	61.50	20.30
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	65.03	20.30
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	72.78	21.50
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	79.83	21.50
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	86.80	22.70
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	49.78	17.92
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	54.32	19.11
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	58.69	19.11
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	61.50	20.30
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	65.03	20.30
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	72.78	21.50
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	79.83	21.50

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	86.80	22.70
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	49.78	17.92
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	54.32	19.11
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	58.69	19.11
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	61.50	20.30
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	65.03	20.30
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	72.78	21.50
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	79.83	21.50
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	86.80	22.70
23 11 23 00-0144		3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	49.78	17.92
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	54.32	19.11
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	69.28	19.11
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	61.50	20.30
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	65.03	20.30
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	72.78	21.50
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	79.83	21.50
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	86.80	22.70
23 11 23 00-0153		3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	53.86	17.92
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	59.39	19.11
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	58.69	19.11
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	67.97	20.30
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	65.03	20.30
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	72.78	21.50
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	79.83	21.50
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	86.80	22.70
23 11 23 00-0162		3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	49.78	17.92
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	64.69	19.11
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	61.50	20.30
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	65.03	20.30
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	72.78	21.50
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	90.63	21.50
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	86.80	22.70
23 11 23 00-0170		3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	49.78	17.92

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	54.32	19.11	
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	58.69	19.11	
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	61.50	20.30	
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	65.03	20.30	
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	72.78	21.50	
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	79.83	21.50	
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	86.80	22.70	
23 11 23 00-0179 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)					
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	49.78	17.92	
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	54.32	19.11	
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	58.69	19.11	
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	61.50	20.30	
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	65.03	20.30	
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	72.78	21.50	
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	79.83	21.50	
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	86.80	22.70	
23 11 23 00-0188 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)					
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	59.39	19.11	
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	58.69	19.11	
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	67.97	20.30	
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	72.19	20.30	
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	81.87	21.50	
23 11 23 00-0194 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)					
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	49.78	17.92	
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	54.32	19.11	
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	54.45	19.11	
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	61.50	20.30	
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	59.96	20.30	
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	74.32	21.50	
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	79.83	21.50	
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	86.80	22.70	
23 11 23 00-0203 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)					
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	49.78	17.92	
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	50.86	19.11	
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	52.11	19.11	
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	61.50	20.30	
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	65.03	20.30	
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	66.16	21.50	
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	79.83	21.50	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	86.80	22.70
23 11 23 00-0212		1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	49.78	17.92
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	54.32	19.11
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	58.69	19.11
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	61.50	20.30
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	56.43	20.30
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	72.78	21.50
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	79.83	21.50
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	86.80	22.70
23 11 23 00-0221		3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	64.32	17.92
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	68.84	19.11
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	73.20	19.11
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	76.00	20.30
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	79.66	20.30
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	86.96	21.50
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	94.60	21.50
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	101.58	22.70
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	76.26	23.89
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	80.79	25.08
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	85.15	25.08
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	87.94	26.28
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	91.60	26.28
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	98.91	27.47
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	106.54	27.47
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	113.53	28.67
23 11 23 00-0239		3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	76.26	23.89
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	80.79	25.08
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	85.15	25.08
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	87.94	26.28
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	91.60	26.28
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	98.91	27.47
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	106.54	27.47
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72).....	113.53	28.67
23 11 23 00-0248		3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	88.09	23.89
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	92.61	25.08
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	96.98	25.08
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	99.76	26.28
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	103.44	26.28
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	110.74	27.47
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	118.37	27.47
23 11 23 00-0256 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)				
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	88.09	23.89
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	92.61	25.08
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	96.98	25.08
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	103.44	26.28
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	110.74	27.47
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	118.37	27.47
23 11 23 00-0263 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)				
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	88.09	23.89
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	92.61	25.08
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	96.98	25.08
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	99.76	26.28
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	103.44	26.28
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	110.74	27.47
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	118.37	27.47
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	125.36	28.67
23 11 23 00-0272 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)				
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	73.14	23.89
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	77.69	25.08
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	82.07	25.08
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	84.83	26.28
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	88.50	26.28
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	95.79	27.47
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	110.38	28.67
23 11 23 00-0280 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)				
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	86.10	25.08
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	91.41	25.08
23 11 23 00-0283 Quarter-Turn, Gas Ball Valve (23 11 23)				
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-102)	46.38	12.71
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	46.91	12.97
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	66.93	14.27
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	46.02	12.71
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	48.61	12.97
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	53.61	12.97
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	58.72	13.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0291	EA		5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	61.27	13.62
23 11 23 00-0292	EA		5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	61.27	13.62
23 11 23 00-0293	EA		3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	47.92	12.71
23 11 23 00-0294	EA		1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	50.51	12.97
23 11 23 00-0295	EA		5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	62.62	13.62
23 11 23 00-0296	EA		1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	50.76	12.97
23 11 23 00-0297	EA		3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	68.37	14.27
23 11 23 00-0298	EA		3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	47.83	12.71
23 11 23 00-0299	EA		3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	45.77	12.71
23 11 23 00-0300	EA		1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	46.90	12.97
23 11 23 00-0301	EA		3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	64.18	14.27
23 11 23 00-0302	EA		1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	86.08	16.22
23 11 23 00-0303	EA		1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	121.67	16.86
23 11 23 00-0304	EA		1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	144.10	19.46
23 11 23 00-0305	EA		2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	177.11	23.35
23 11 23 00-0306	EA		1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	48.00	12.97
23 11 23 00-0307	EA		3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	63.85	14.27
23 11 23 00-0308 Gas Stops (23 11 23)					
23 11 23 00-0309 Brass/Bronze Gas Stops (23 11 23 00-0308)					
Note: Flat or square head					
23 11 23 00-0310	EA		3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	59.50	12.97
23 11 23 00-0311	EA		1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	59.51	12.97
23 11 23 00-0312	EA		3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	78.08	14.27
23 11 23 00-0313	EA		1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	110.04	16.22
23 11 23 00-0314	EA		1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	146.48	17.26
23 11 23 00-0315	EA		1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	184.76	19.97
23 11 23 00-0316	EA		2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	256.73	23.60
23 11 23 00-0317 Iron Body Gas Stops (23 11 23 00-0308)					
23 11 23 00-0318	EA		1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	80.55	12.97
23 11 23 00-0319	EA		3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	98.78	14.27
23 11 23 00-0320	EA		1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	122.52	16.22
23 11 23 00-0321	EA		1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	158.60	17.26
23 11 23 00-0322	EA		1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	199.99	19.97
23 11 23 00-0323	EA		2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	260.19	23.60
23 11 23 00-0324	EA		2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	506.38	31.89
23 11 23 00-0325	EA		3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	680.32	37.02
23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas (23 11 23)					
23 11 23 00-0327	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Gas	207.85	12.97
23 11 23 00-0328	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Gas	242.39	12.97
23 11 23 00-0329	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Gas	308.59	14.27
23 11 23 00-0330	EA		1" Solenoid Valve, Bronze, 150 PSI, Gas	463.27	16.22
23 11 23 00-0331	EA		1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	829.00	19.97
23 11 23 00-0332	EA		2" Solenoid Valve, Bronze, 150 PSI, Gas	1,412.17	23.60
23 11 23 00-0333	EA		2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,749.19	31.89
23 11 23 00-0334	EA		3" Solenoid Valve, Bronze, 150 PSI, Gas	2,637.00	37.02
23 11 26 Facility Liquefied-Petroleum Gas Piping (23 11)					
23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings (23 11 26)					
23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe (23 11 26 00-0001)					
Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).					
23 11 26 00-0003	LF		2" Fiberglass Reinforced Plastic Pipe	24.06	8.60
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-9.63	
23 11 26 00-0004	LF		3" Fiberglass Reinforced Plastic Pipe	28.84	10.27
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-11.56	
23 11 26 00-0005	LF		4" Fiberglass Reinforced Plastic Pipe	38.13	15.17
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-17.03	
23 11 26 00-0006	LF		5" Fiberglass Reinforced Plastic Pipe	44.80	17.43
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-19.17	
23 11 26 00-0007	LF		6" Fiberglass Reinforced Plastic Pipe	52.30	19.47
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-21.94	
23 11 26 00-0008	LF		8" Fiberglass Reinforced Plastic Pipe	70.53	22.48
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-25.25	
23 11 26 00-0009	LF		10" Fiberglass Reinforced Plastic Pipe	93.95	26.72
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-30.11	
23 11 26 00-0010	LF		12" Fiberglass Reinforced Plastic Pipe	213.59	33.65
			For Use As Inner Pipe In Double Wall Pipe System, Deduct	-37.88	
23 11 26 00-0011			Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)		
23 11 26 00-0012			Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 26 00-0011)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	184.24	85.64
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-96.32	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	217.37	102.84
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-115.59	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	260.39	119.44
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-134.28	
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	313.83	132.95
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-146.66	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	378.86	149.16
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-167.73	
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	545.11	186.40
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-209.66	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	701.76	224.53
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-252.50	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	1,580.73	278.42
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-313.10	

23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)

23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	184.66	85.64
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-96.32	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	217.50	102.84
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-115.59	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	260.79	119.56
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-134.38	
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	327.36	142.02
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-156.77	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	378.70	149.16
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-167.73	
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	545.11	186.40
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-209.66	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,197.92	224.53
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-252.50	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,580.73	278.42
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-313.10	

23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)

23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	371.68	128.52
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-144.49	
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	459.83	154.79
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-174.02	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	523.31	179.28
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-201.58	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	664.24	212.96
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-235.25	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	783.20	224.53
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-252.50	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	985.38	278.42
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-313.10	
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	1,581.91	336.79
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-378.74	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	2,116.41	409.48
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-460.43	

23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes (23 11 26 00-0011)

23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	492.87	128.52
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-144.49	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	632.98	154.56
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-173.79	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	743.61	179.28
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-201.56	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	851.83	212.96
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-235.25	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	938.09	224.53
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-252.50	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	1,230.34	278.42
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-313.10	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	1,890.88	336.79
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-378.74	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	2,453.21	409.48
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-460.43	

23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 26 00-0011)

23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	280.13	85.64
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-96.32	
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	363.28	102.84
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-115.59	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	398.20	119.56
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-134.38	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	462.14	142.02
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-156.77	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	510.79	149.16
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-167.73	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	679.80 -209.66	186.40
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	869.47 -252.50	224.53
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,189.35 -313.10	278.42
23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)				
23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	225.98 -96.32	85.64
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	259.84 -115.59	102.84
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	294.87 -134.38	119.56
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	360.92 -156.77	142.02
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	411.75 -167.73	149.16
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	406.91 -209.66	186.40
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	519.68 -252.50	224.53
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	815.42 -313.10	278.42
23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)				
23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	42.34 -11.56	10.27
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	84.60 -23.06	20.54
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	141.34 -17.74	15.76
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	163.00 -23.51	20.91
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	152.03 -16.78	14.87
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	183.15 -25.16	22.37
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	227.43 -27.68	25.05
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	271.69 -30.22	26.83
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	143.91 -35.22	31.31
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	196.30 -50.28	44.73
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	241.33 -35.80	31.87
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	362.22 -53.61	47.64
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	281.72 -36.92	32.88
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	368.78 -55.39	49.20
23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)				
23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	153.17 -96.32	85.64
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	184.24 -115.59	102.84
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	213.08 -134.38	119.56
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	255.90 -156.77	142.02
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	283.48 -167.73	149.16
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	367.31 -209.66	186.40
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	470.31 -252.50	224.53
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	575.05 -313.10	278.42
23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges (23 11 26 00-0011)				
23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	156.26 -96.32	85.64
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	188.33 -115.59	102.84
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	213.71 -125.57	111.71
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	257.73 -146.76	132.95

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	301.44	149.16	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-167.73		
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	373.32	178.46	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-200.70		
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	498.24	224.53	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-252.50		
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	686.76	278.42	
		<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-313.10		
23 11 26 00-0099		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings (23 11 26)			
23 11 26 00-0100		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing (23 11 26 00-0099)			
23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	132.78	36.91	
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	158.23	43.72	
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	203.29	64.50	
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	284.55	83.61	
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	398.87	96.16	
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	542.61	114.06	
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	693.17	143.91	
23 11 26 00-0108		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings (23 11 26 00-0099)			
23 11 26 00-0109		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows (23 11 26 00-0108)			
23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,328.26	456.74	
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,684.61	548.23	
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,350.82	637.09	
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	5,763.27	795.36	
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	9,311.49	994.39	
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	12,545.17	1,196.34	
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	16,742.91	1,481.47	
23 11 26 00-0117		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows (23 11 26 00-0108)			
23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,331.84	456.74	
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,678.34	548.23	
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,345.90	637.09	
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	5,734.30	795.36	
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	9,269.55	994.39	
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	12,488.34	1,196.90	
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	16,670.09	1,484.83	
23 11 26 00-0125		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees (23 11 26 00-0108)			
23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,250.18	685.12	
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,066.58	825.70	
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,594.02	956.13	
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	7,339.73	1,197.46	
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	9,277.85	1,484.83	
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	16,061.46	1,794.11	
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	21,917.45	2,175.31	
23 11 26 00-0133		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes (23 11 26 00-0108)			
23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,754.88	685.12	
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,218.69	824.74	
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,329.73	956.13	
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	9,263.03	1,197.46	
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	12,319.46	1,484.83	
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	19,897.90	1,794.11	
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	26,099.40	2,175.31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0141		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers (23 11 26 00-0108)		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,568.38	456.74
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,418.93	548.23
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,674.83	637.09
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,757.91	795.36
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	6,460.77	994.39
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	8,409.35	1,196.34
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	11,805.39	1,481.47
23 11 26 00-0149		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters (23 11 26 00-0108)		
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,895.90	456.74
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,134.67	548.23
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,391.81	637.09
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,528.15	795.36
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,072.40	994.39
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	4,066.13	1,196.34
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	7,162.49	1,481.47
23 11 26 00-0157		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples (23 11 26 00-0108)		
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	416.58	54.83
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	832.73	109.40
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,587.50	84.09
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,801.89	111.48
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,729.25	79.50
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,036.53	119.31
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,088.09	143.35
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,454.25	167.06
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,962.59	238.51
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,658.36	169.74
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,991.19	254.27
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,149.28	175.11
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,055.92	262.66
23 11 26 00-0171		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges (23 11 26 00-0108)		
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,467.55	595.55
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,158.43	795.36
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,740.04	952.02
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	3,799.89	1,196.34
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	5,564.92	1,481.47
23 12		Facility Fuel Pumps (23 10)		
23 12 13		Facility Fuel-Oil Pumps (23 12)		
23 12 13 00-0001		Cast Iron Internal Gear Rotary Pump (23 12 13) Note: Heavy-duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.		
23 12 13 00-0002		10 GPM 1" Discharge (23 12 13 00-0001)		
23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,561.65	346.55
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,646.35	419.44
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,808.17	498.31
23 12 13 00-0006		25 GPM 1-1/4" Discharge (23 12 13 00-0001)		
23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,703.25	346.55
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,796.88	419.44
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,890.30	498.31
23 12 13 00-0010		Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI (23 12 13)		
23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,182.40	194.18

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 12 Facility Fuel Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,386.60	217.49
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,518.02	243.78
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,659.01	274.85
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,307.01	305.92
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	2,811.16	342.36
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	3,116.71	383.59
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	3,787.42	429.00
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	4,456.38	480.99
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	4,989.86	539.54
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	5,594.42	604.78

23 12 16 Facility Gasoline Dispensing Pumps (23 12)**23 12 16 00-0001 Unloading Hose And Accessories (23 12 16)****23 12 16 00-0002 Hoses With Braided Rayon Cord, Neoprene Cover, And End Couplings (23 12 16 00-0001)****23 12 16 00-0003 Two Braid Hose x 25' (23 12 16 00-0002)**

23 12 16 00-0004	EA	3/4" x 1-3/4", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	321.36	48.39
23 12 16 00-0005	EA	1" x 1-1/2", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	372.86	48.39
23 12 16 00-0006	EA	1-1/4" x 1-3/4", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	516.49	48.39

23 12 16 00-0007 Two Braid Hose x 50' (23 12 16 00-0002)

23 12 16 00-0008	EA	3/4" x 1-3/4", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	640.40	97.99
23 12 16 00-0009	EA	1" x 1-1/2", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	741.14	97.99
23 12 16 00-0010	EA	1-1/4" x 1-3/4", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	1,031.53	97.99

23 12 16 00-0011 Three Braid Hose x 25' (23 12 16 00-0002)

23 12 16 00-0012	EA	1-1/2" x 2-3/32", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	784.16	48.39
23 12 16 00-0013	EA	2" x 2-21/32", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	973.97	65.34
23 12 16 00-0014	EA	2-1/2" x 3-3/16", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	1,367.20	81.06
23 12 16 00-0015	EA	3" x 3-3/4", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	1,716.31	97.99

23 12 16 00-0016 Three Braid Hose x 50' (23 12 16 00-0002)

23 12 16 00-0017	EA	1-1/2" x 2-3/32", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	1,402.94	97.99
23 12 16 00-0018	EA	2" x 2-21/32", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	1,720.51	129.46
23 12 16 00-0019	EA	2-1/2" x 3-3/16", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	2,313.69	163.33
23 12 16 00-0020	EA	3" x 3-3/4", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	2,823.28	194.79

23 12 16 00-0021 Tank Car Unloading Hose Assemblies (23 12 16 00-0001)**23 12 16 00-0022 Flexible Galvanized Hose Assemblies (23 12 16 00-0021)**

Note: Each end includes a female coupling.

23 12 16 00-0023	EA	2" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	743.02	113.73
23 12 16 00-0024	EA	2-1/2" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	899.92	113.73
23 12 16 00-0025	EA	3" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	1,060.64	113.73
23 12 16 00-0026	EA	4" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	1,688.23	113.73

23 12 16 00-0027 Standard Gas Station Pumps (23 12 16)**23 12 16 00-0028 Gasoline Pumps (23 12 16 00-0027)**

Note: With polished stainless steel dial frame, stainless steel nozzle side panel. Four wheel, self-timing meter, cable retractor, 120 mesh cartridge strainer (60 mesh for diesel fuels). Internal gear pump, reverse flow air separator, 1/2" connector. High speed pump, 3/4 H.P. motor, 1" hose and standard nozzle.

23 12 16 00-0029	EA	Standard Gas Station Pump, 3/4 HP Motor 1" Hose And Standard Nozzle	5,799.05	967.89
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23 12 16 00-0030 Gasoline Pumps With Vapor Recovery System (23 12 16 00-0027)

Note: With polished stainless steel dial frame, stainless steel nozzle side panel. Four wheel, self-timing meter, cable retractor, 120 mesh cartridge strainer (60 mesh for diesel fuels). Internal gear pump, reverse flow air separator, 1/2" connector. High speed pump, 3/4 H.P. motor, 1" hose and standard nozzle.

23 12 16 00-0031	EA	Standard Gas Station Pump, 3/4 HP Motor 1" Hose And Standard Nozzle With Vapor Recovery	11,502.55	1,451.84
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23 12 23 Facility Natural-Gas Pumps (23 12)**23 12 23 00-0001 Natural Gas Booster Pump (23 12 23)**

23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	1,272.97	179.25
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	1,509.69	200.16
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,692.48	209.13
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,920.24	218.09
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	2,172.06	224.06

23 13 Facility Fuel-Storage Tanks (23 10)**23 13 13 Facility Underground Fuel-Oil, Storage Tanks (23 13)****23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks (23 13 13)**

MINOR			TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION			UNIT COST		UNIT COST	
23 13 13 13-0001 Coated Underground Double Wall Storage Tanks (23 13 13 13)						
Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.						
23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,586.02		801.49	
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	19,004.07		801.49	
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	27,471.75		1,001.80	
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	37,585.45		1,956.76	
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	59,884.35		2,515.69	
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	66,707.49		2,889.35	
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	71,965.34		3,820.32	
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	74,408.49		4,101.78	
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	90,823.83		4,845.73	
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	105,188.16		5,589.19	
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	134,623.34		6,146.39	
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	159,581.72		7,462.70	
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	164,823.50		7,919.85	
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	202,056.16		12,562.54	
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	248,263.91		16,290.53	
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	292,547.38		18,639.34	
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	376,510.02		20,037.28	
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	510,496.43		20,551.11	
23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks (23 13 13)						
23 13 13 23-0001 Underground Fiberglass Storage Tanks (23 13 13 23)						
23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)						
Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.						
23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,692.06		801.49	
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,894.40		1,001.80	
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,663.63		1,239.52	
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,693.76		1,509.79	
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,720.02		1,770.74	
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,808.54		2,329.92	
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,005.71		3,541.48	
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	15,797.76		4,473.44	
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	18,982.74		5,032.62	
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	21,338.38		5,964.59	
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	27,549.81		7,082.95	
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	33,851.20		8,853.68	
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	42,681.14		11,835.97	
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	64,032.70		14,725.08	
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	78,530.50		17,707.37	
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	112,050.35		25,629.08	
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	159,894.92		32,618.84	
23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)						
Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.						
23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,113.69		801.49	
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,016.75		1,001.80	
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,406.93		1,211.56	
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	18,714.76		1,770.86	
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	20,990.67		2,329.92	
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	24,099.81		3,541.48	
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	26,791.33		4,473.44	
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	32,974.57		5,032.62	
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	35,330.20		5,964.59	
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	42,790.91		7,082.95	
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	58,899.06		8,853.68	
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	72,913.47		11,835.97	
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	112,760.50		17,707.37	
23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)						
23 13 13 23-0035	EA	Secondary Containment Collar	3,288.36			
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	3,288.36			
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	657.67			
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,315.34			
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,644.18			
23 13 13 23-0040 Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining Tanks (23 13 13 23)						
Note: Fiberglass Reinforced Plastic Tanks (Sodium Hypochlorite Storage Tanks).						
23 13 13 23-0041	DAY	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day	1,300.00			
Note: Includes inspection report and repair estimate.						
23 13 13 23-0042	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior Lining Repairs, Inner Surface And Interior Layer Repair	110.93			
Note: 50 SF minimum.						

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 13 13 23-0043	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 24" Diameter Manway.....	9,789.12	
23 13 13 23-0044	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 30" Diameter Manway.....	14,556.26	
23 13 13 23-0045	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Replacement.....	134.92	
		Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.		
23 13 13 23-0046	LF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Seam Repair	287.83	
		Note: Circumference of a tank knuckle (FT) = tank diameter (FT) x 3.14.		
23 13 13 23-0047	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Non-Gusseted Flange Installation	4,323.40	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	142.00	
23 13 13 23-0048	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Non-Gusseted Flange Installation.....	4,356.38	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	153.00	
23 13 13 23-0049	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Non-Gusseted Flange Installation	4,425.34	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	176.00	
23 13 13 23-0050	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Non-Gusseted Flange Installation	4,605.24	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	236.00	
23 13 13 23-0051	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Non-Gusseted Flange Installation	4,671.20	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	318.00	
23 13 13 23-0052	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Non-Gusseted Flange Installation	5,018.99	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	374.00	
23 13 13 23-0053	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Gusseted Flange Installation.....	4,638.22	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	247.00	
		For Blade Gusseted Outlet, Add	695.73	
23 13 13 23-0054	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Gusseted Flange Installation	4,686.19	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	263.00	
		For Blade Gusseted Outlet, Add	702.93	
23 13 13 23-0055	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Flange Installation.....	4,830.10	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	135.00	
		For Blade Gusseted Outlet, Add	724.52	
23 13 13 23-0056	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Gusseted Flange Installation.....	5,129.92	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	175.00	
		For Blade Gusseted Outlet, Add	769.49	
23 13 13 23-0057	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Gusseted Flange Installation.....	5,315.81	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	215.00	
		For Blade Gusseted Outlet, Add	797.37	
23 13 13 23-0058	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Gusseted Flange Installation.....	5,798.52	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	260.00	
		For Blade Gusseted Outlet, Add	869.78	
23 13 13 23-0059	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Full Bottom Drain Flange Installation	8,649.81	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Blade Gusseted Outlet, Add	1,297.47	
23 13 13 23-0060	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/8" Female Threaded Coupling Installation.....	4,182.49	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	100.00	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	200.00	
		Note: (Total Of Three Couplings), Add		
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	300.00	
		Note: (Total Of Four Couplings), Add		
23 13 13 23-0061	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1/2" Female Threaded Coupling Installation.....	4,182.49	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	100.00	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	200.00	
		Note: (Total Of Three Couplings), Add		
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	300.00	
		Note: (Total Of Four Couplings), Add		
23 13 13 23-0062	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/4" Female Threaded Coupling Installation.....	4,182.49	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	100.00	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	200.00	
		Note: (Total Of Three Couplings), Add		
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	300.00	
		Note: (Total Of Four Couplings), Add		
23 13 13 23-0063	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Female Threaded Coupling Installation.....	4,182.49	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	100.00	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	200.00	
		Note: (Total Of Three Couplings), Add		
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	300.00	
		Note: (Total Of Four Couplings), Add		
23 13 13 23-0064	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Female Threaded Coupling Installation	4,182.49	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	100.00	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	200.00	
		Note: (Total Of Three Couplings), Add		
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	300.00	
		Note: (Total Of Four Couplings), Add		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0065	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange For One Additional Coupling Installation During The Same Day (Total Of Two Couplings) For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add Note: (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add Note: (Total Of Four Couplings), Add	4,182.49 100.00 200.00 300.00	
23 13 13 23-0066	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange For One Additional Coupling Installation During The Same Day (Total Of Two Couplings) For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add Note: (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add Note: (Total Of Four Couplings), Add	4,332.40 145.00 270.00 435.00	
23 13 13 23-0067	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange For One Additional Coupling Installation During The Same Day (Total Of Two Couplings) For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add Note: (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add Note: (Total Of Four Couplings), Add	4,332.40 145.00 270.00 435.00	
23 13 13 23-0068	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange For One Additional Coupling Installation During The Same Day (Total Of Two Couplings) For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add Note: (Total Of Three Couplings), Add For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add Note: (Total Of Four Couplings), Add	4,332.40 145.00 270.00 435.00	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)
23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)

23 13 23 13-0001		Vertical Rectangular Double Wall Steel Fuel Day Tank (23 13 23 13) Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.		
23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,207.55	155.72
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,295.96	163.51
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,406.28	175.18
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,612.60	186.86
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,795.31	194.65
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,117.33	233.58
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,840.51	272.51
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,587.70	311.43
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,592.02	350.36
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,118.05	389.30
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,861.55	467.16
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,570.76	545.01
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,300.53	622.88
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,095.72	661.81
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,896.04	700.73
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,804.37	739.66
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,599.56	778.59
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,819.11	934.31
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,749.45	1,012.17
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,005.01	1,167.89
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,265.70	1,323.61
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,457.84	155.72
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,547.96	163.51
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,658.28	175.18
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,862.89	186.86
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,045.60	194.65

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,369.34	233.58	
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,116.52	272.51	
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,863.71	311.43	
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,868.03	350.36	
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,394.06	389.30	
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,137.55	467.16	
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,846.76	545.01	
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,576.54	622.88	
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,371.73	661.81	
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,172.05	700.73	
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,082.09	739.66	
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,877.28	778.59	
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,095.11	934.31	
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,025.45	1,012.17	
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,281.01	1,167.89	
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,541.71	1,323.61	
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,405.86	155.72	
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,485.70	163.51	
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,558.30	175.18	
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,831.48	186.86	
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,935.33	194.65	
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,247.07	233.58	
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,906.82	272.51	
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,924.87	311.43	
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,538.32	350.36	
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,226.67	389.30	
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,172.45	467.16	
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,747.95	545.01	
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,525.72	622.88	
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,284.91	661.81	
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,284.09	700.73	
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,703.84	739.66	
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,080.73	778.59	
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,826.58	934.31	
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,506.07	1,012.17	
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,354.79	1,167.89	
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,232.64	1,323.61	
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTR) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,537.31	155.72	
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTR) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,617.15	163.51	
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTR) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,689.75	175.18	
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTR) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,962.93	186.86	
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTR) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,066.78	194.65	
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTR) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,378.52	233.58	
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTR) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,038.27	272.51	

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,056.32		311.43
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,745.21		350.36
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,963.82		389.30
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,909.61		467.16
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,486.82		545.01
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,262.88		622.88
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,023.78		661.81
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,021.25		700.73
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,440.99		739.66
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,817.89		778.59
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,563.74		934.31
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,244.95		1,012.17
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,091.95		1,167.89
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,969.79		1,323.61
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,169.89		155.72
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,258.30		163.51
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,332.62		175.18
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,614.37		186.86
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,766.22		194.65
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,050.54		233.58
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,736.00		272.51
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,802.05		311.43
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,437.79		350.36
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,191.28		389.30
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,185.06		467.16
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,707.41		545.01
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,588.05		622.88
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,504.95		661.81
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,426.99		700.73
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,896.45		739.66
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,247.63		778.59
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,070.62		934.31
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,830.69		1,012.17
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,759.98		1,167.89

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS).....	21,714.97	1,323.61
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	5,301.35	155.72
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	5,389.76	163.51
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	5,464.07	175.18
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	5,745.82	186.86
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	5,897.67	194.65
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	6,178.56	233.58
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	6,867.45	272.51
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	7,933.50	311.43
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	8,569.24	350.36
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	9,928.43	389.30
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	10,922.22	467.16
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	11,616.00	545.01
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	12,325.20	622.88
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	13,242.11	661.81
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	14,164.15	700.73
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	14,633.61	739.66
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	14,986.51	778.59
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	16,807.78	934.31
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	18,567.85	1,012.17
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	20,497.14	1,167.89
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)	22,452.13	1,323.61
		Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,196.37	155.72
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,295.34	163.51
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,405.32	175.18
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,603.55	186.86
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,121.16	194.65
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,186.04	233.58
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,744.24	272.51
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,390.69	311.43
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,442.19	350.36
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,570.63	389.30
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,687.03	467.16
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,194.70	545.01
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,704.63	622.88
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,455.18	661.81
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,207.98	700.73
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,863.50	739.66
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,525.78	778.59
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,921.28	934.31
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,227.74	1,012.17
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,700.20	1,167.89
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,122.86	1,323.61
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,261.40	163.51
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,371.63	175.18

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,486.63	186.86
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,688.32	194.65
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,285.86	233.58
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,350.74	272.51
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,936.35	311.43
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,615.10	350.36
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,721.42	389.30
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,908.96	428.23
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	7,080.15	506.08
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,608.82	583.94
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	8,139.88	661.81
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,928.51	700.73
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,719.53	739.66
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,407.87	778.59
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	11,168.21	856.46
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,626.82	1,012.17
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	14,128.44	1,167.89
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,668.27	1,323.61
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	17,155.55	1,479.32
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,375.14	155.72
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,496.74	163.51
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,620.29	175.18
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,863.78	186.86
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,478.70	194.65
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,543.58	233.58
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,183.24	272.51
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,936.05	311.43
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,172.49	350.36
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,557.26	389.30
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	7,875.05	467.16
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,452.88	545.01
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,035.22	622.88
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	9,928.33	661.81
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,823.69	700.73
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,585.55	739.66
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,365.52	778.59
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	13,998.63	934.31
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	15,544.95	1,012.17
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	17,255.01	1,167.89
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	18,915.28	1,323.61
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,450.10	163.51
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,584.21	175.18
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,713.55	186.86
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,963.01	194.65
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,663.27	233.58
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,728.15	272.51
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,399.74	311.43
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	4,190.76	350.36
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,492.29	389.30
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,950.39	428.23
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	8,334.18	506.08
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,936.90	583.94
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,544.39	661.81
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	10,483.50	700.73
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	11,425.01	739.66
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	12,225.59	778.59
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	13,110.16	856.46
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	14,819.57	1,012.17
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	16,574.38	1,167.89
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	18,365.02	1,323.61
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	20,103.10	1,479.32

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)
23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,399.85	846.33
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,491.70	1,024.49
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,708.18	1,373.35
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	11,258.97	1,716.69
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	13,489.54	2,290.03
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	20,382.72	2,357.38
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	29,652.80	2,914.57
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	40,745.96	3,339.55
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	48,576.75	3,643.12
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	56,397.28	4,007.46
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	62,431.52	4,452.69
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	77,976.38	5,724.88
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	106,562.29	6,679.09

23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,560.96	1,056.03
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	10,287.35	1,277.93
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	13,633.08	1,716.69
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	17,882.28	2,145.86
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	22,956.54	2,862.51
23 13 23 16-0021	EA	2,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	27,787.55	2,862.51
		<i>For 1/4" Thick Shell, Add</i>	6,669.01	
		<i>For Fireguard® Tanks, Add</i>	4,044.88	
23 13 23 16-0022	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	32,736.02	2,946.63
23 13 23 16-0023	EA	4,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	40,323.58	3,288.35
		<i>For 1/4" Thick Shell, Add</i>	9,677.66	
		<i>For Fireguard® Tanks, Add</i>	6,074.98	
23 13 23 16-0024	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	47,911.03	3,629.95
23 13 23 16-0025	EA	6,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	53,485.01	3,772.60
		<i>For 1/4" Thick Shell, Add</i>	12,836.40	
		<i>For Fireguard® Tanks, Add</i>	8,197.40	
23 13 23 16-0026	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	66,254.09	4,174.47
23 13 23 16-0027	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	79,187.52	4,553.96
23 13 23 16-0028	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	92,067.84	5,009.26
23 13 23 16-0029	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	101,908.87	5,565.96
23 13 23 16-0030	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	127,186.39	7,156.14
23 13 23 16-0031	EA	25,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	150,838.51	7,752.48
		<i>For Fireguard® Tanks, Add</i>	23,803.58	
23 13 23 16-0032	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	174,490.64	8,348.81

23 13 23 16-0033 Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks (23 13 23 16)

Note: Includes solenoid valve. Excludes piping and concrete pad.

23 13 23 16-0034	EA	550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,637.15	1,277.93
23 13 23 16-0035	EA	750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	17,532.05	1,416.26
23 13 23 16-0036	EA	1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	19,700.36	1,716.69
23 13 23 16-0037	EA	1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	23,570.96	2,145.86
23 13 23 16-0038	EA	2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank.....	30,143.26	2,862.51

Note: Includes 2" solenoid valve.

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)**

23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated.....	5,780.62	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated.....	6,984.90	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated.....	15,255.02	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated.....	16,700.04	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated.....	23,731.34	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated.....	26,587.38	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated.....	35,098.21	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated.....	41,188.76	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated.....	46,797.66	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated.....	56,982.96	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated.....	72,949.55	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)**

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	32,091.20	1,733.33
		<i>For Low Profile Tanks, Add</i>	11,869.04	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	40,424.93	1,956.76
		<i>For Low Profile Tanks, Add</i>	15,077.82	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	71,761.69	2,329.92
		<i>For Low Profile Tanks, Add</i>	27,404.26	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	113,650.89	5,124.70
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	129,850.22	5,597.02
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	146,148.72	6,044.36
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	162,421.64	6,558.93
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	178,686.45	6,981.68

23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
23 13 33 00-0001 EPA Requirements (23 13 33)					
23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	788.79		
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,487.84		
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	4,838.85		
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	3,969.05		
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	172.55		
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	492.94		
23 13 33 00-0008	EA	Manhole Spill Containment	1,308.85	302.47	
23 13 33 00-0009	EA	Fill Adapter, 4"	388.62	201.69	
23 13 33 00-0010	EA	Fill Cap, 4"	265.04	75.61	
23 13 33 00-0011	EA	2" Vent Cap	158.60	50.45	
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	549.07	75.61	
23 13 33 00-0013	EA	Float Vent Valve	449.39	151.24	
23 13 33 00-0014	EA	Vapor Hose Adapter	522.17	100.78	
23 13 33 00-0015	EA	Dust Cap	223.78	55.05	
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	501.15	86.38	
23 13 33 00-0017	EA	10' Wood Gage Stick	44.32		
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	194.21		
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	264.40		
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	87.86		
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	117.27		
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	181.80		
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	1,195.95		
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,976.08		
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	2,338.65		
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	2,548.37		
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	2,792.94		
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	4,003.56		
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	4,946.83		
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	5,476.32		
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	6,733.99		
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	7,973.87		
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	8,925.75		
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	10,310.60		
23 13 33 00-0035 Tank Bulkhead Fittings (23 13 33)					
23 13 33 00-0036 Tank Bulkhead Fittings (23 13 33 00-0035)					
23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)					
23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	49.36		
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	55.12		
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	60.57		
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	72.68		
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	75.27		
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	97.70		
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	152.17		
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	262.43		
23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-0036)					
23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	56.86		
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	62.58		
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	68.34		
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	84.75		
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	90.50		
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	111.51		
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	170.58		
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	288.58		
23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection (23 13 33 00-0036)					
23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	58.56		
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	67.49		
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	76.11		
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	97.97		
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	127.02		
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	195.59		
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	304.12		
23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection (23 13 33 00-0036)					
23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	68.07		
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	80.13		
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	98.23		
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	119.24		
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	121.83		
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	172.72		
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	305.95		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 13 33 00-0071 EA 4" Polypropylene Bulkhead Fitting, Thread x Thread.....542.69

23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection (23 13 33 00-

0036)

23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	60.57	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	77.45	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	80.05	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	82.64	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	113.79	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	143.06	

23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection (23 13 33 00-

0036)

23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	247.73	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	283.17	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	347.66	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	400.61	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	461.42	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	580.65	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	753.78	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	832.68	

23 13 33 00-0088 Self-Aligning Bulkhead Fittings (23 13 33 00-0035)

23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	254.66	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	255.33	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	371.52	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	379.51	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	510.60	

23 20 HVAC Piping and Pumps (23)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps (23 20)

23 21 13 Hydronic Piping (23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping (23 21 13)

See CSI section 40 05 23 23-0000 for stainless steel pipe and fittings.

23 21 13 23-0001 Threaded Black Steel Pipe (23 21 13 23)

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	22.44	4.78
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				

For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add 5.44
 For Work In Restricted Working Space, Add 4.94

23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	24.49	5.13
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				

For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add 6.06
 For Work In Restricted Working Space, Add 5.16

23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	27.08	5.62
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				

For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add 6.84
 For Work In Restricted Working Space, Add 5.45

23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	32.20	5.85
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				

For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add 8.46
 For Work In Restricted Working Space, Add 5.87

23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	34.21	6.93
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				

For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add 9.14
 For Work In Restricted Working Space, Add 5.96

23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	40.64	8.36
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				

For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add 11.05
 For Work In Restricted Working Space, Add 6.71

23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	57.69	9.91
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.				

For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add 16.33
 For Work In Restricted Working Space, Add 8.32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0010	LF		3" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	73.20	13.26
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	20.92	
			For Work In Restricted Working Space, Add	10.19	
23 21 13 23-0011	LF		4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	98.47	14.87
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	29.72	
			For Work In Restricted Working Space, Add	10.74	
23 21 13 23-0012	LF		5" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	146.09	19.01
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	45.77	
			For Work In Restricted Working Space, Add	12.80	
23 21 13 23-0013	LF		6" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly.....	176.58	22.48
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	55.83	
			For Work In Restricted Working Space, Add	14.50	
23 21 13 23-0014			Threaded Black Steel Pipe And Fittings (23 21 13 23-0001)		
			Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-0015			Threaded And Coupled, Black Steel Piping (23 21 13 23-0014)		
			Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.		
23 21 13 23-0016	LF		3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	8.36	2.99
			For Schedule 80 Pipe, Add	1.65	
			For Work In Restricted Working Space, Add	1.81	
23 21 13 23-0017	LF		1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	11.13	4.78
			For Schedule 80 Pipe, Add	2.47	
			For Work In Restricted Working Space, Add	2.17	
23 21 13 23-0018	LF		3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	12.75	5.13
			For Schedule 80 Pipe, Add	3.04	
			For Work In Restricted Working Space, Add	2.31	
23 21 13 23-0019	LF		1" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	15.06	5.62
			For Schedule 80 Pipe, Add	3.85	
			For Work In Restricted Working Space, Add	2.51	
23 21 13 23-0020	LF		1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	17.83	5.85
			For Schedule 80 Pipe, Add	4.93	
			For Work In Restricted Working Space, Add	2.66	
23 21 13 23-0021	LF		1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	21.14	6.93
			For Schedule 80 Pipe, Add	5.88	
			For Work In Restricted Working Space, Add	3.12	
23 21 13 23-0022	LF		2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	26.65	8.36
			For Schedule 80 Pipe, Add	7.59	
			For Work In Restricted Working Space, Add	3.77	
23 21 13 23-0023	LF		2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	37.17	9.91
			For Schedule 80 Pipe, Add	11.50	
			For Work In Restricted Working Space, Add	4.48	
23 21 13 23-0024	LF		3" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	49.04	13.26
			For Schedule 80 Pipe, Add	15.10	
			For Work In Restricted Working Space, Add	5.97	
23 21 13 23-0025	LF		4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	65.90	14.87
			For Schedule 80 Pipe, Add	21.83	
			For Work In Restricted Working Space, Add	6.71	
23 21 13 23-0026	LF		5" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	86.30	19.01
			For Schedule 80 Pipe, Add	28.87	
			For Work In Restricted Working Space, Add	8.54	
23 21 13 23-0027	LF		6" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	109.94	22.48
			For Schedule 80 Pipe, Add	37.69	
			For Work In Restricted Working Space, Add	10.10	
23 21 13 23-0028	LF		8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	153.82	27.17
			For Schedule 80 Pipe, Add	54.98	
			For Work In Restricted Working Space, Add	12.20	
23 21 13 23-0029	LF		10" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	209.84	33.10
			For Schedule 80 Pipe, Add	77.04	
			For Work In Restricted Working Space, Add	14.91	
23 21 13 23-0030	LF		12" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	280.56	43.50
			For Schedule 80 Pipe, Add	103.42	
			For Work In Restricted Working Space, Add	19.57	
23 21 13 23-0031			Black Malleable Iron 90 Degree Elbows (23 21 13 23-0014)		
23 21 13 23-0032	EA		3/8", 150 Lb., Black Malleable Iron 90 Degree Elbow	30.90	17.68
			For 300 Lb. Rating, Add	12.06	
			For Standard Weight Cast Iron Fittings, Add	0.07	
			For Work In Restricted Working Space, Add	7.96	
23 21 13 23-0033	EA		1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	34.87	21.26
			For 300 Lb. Rating, Add	9.16	
			For Standard Weight Cast Iron Fittings, Add	0.05	
			For Work In Restricted Working Space, Add	9.56	
23 21 13 23-0034	EA		3/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	39.29	23.77
			For 300 Lb. Rating, Add	10.88	
			For Standard Weight Cast Iron Fittings, Add	0.06	
			For Work In Restricted Working Space, Add	10.70	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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23 21 13 23-0035	EA 1", 150 Lb., Black Malleable Iron 90 Degree Elbow	46.13	26.51
	For 300 Lb. Rating, Add	17.56	
	For Standard Weight Cast Iron Fittings, Add	0.10	
	For Work In Restricted Working Space, Add	11.94	
23 21 13 23-0036	EA 1-1/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	55.50	30.10
	For 300 Lb. Rating, Add	27.74	
	For Standard Weight Cast Iron Fittings, Add	0.17	
	For Work In Restricted Working Space, Add	13.52	
23 21 13 23-0037	EA 1-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	64.54	33.92
	For 300 Lb. Rating, Add	35.98	
	For Standard Weight Cast Iron Fittings, Add	0.22	
	For Work In Restricted Working Space, Add	15.25	
23 21 13 23-0038	EA 2", 150 Lb., Black Malleable Iron 90 Degree Elbow	88.23	43.12
	For 300 Lb. Rating, Add	60.68	
	For Standard Weight Cast Iron Fittings, Add	0.38	
	For Work In Restricted Working Space, Add	19.37	
23 21 13 23-0039	EA 2-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	148.28	63.78
	For 300 Lb. Rating, Add	132.29	
	For Standard Weight Cast Iron Fittings, Add	0.84	
	For Work In Restricted Working Space, Add	28.67	
23 21 13 23-0040	EA 3", 150 Lb., Black Malleable Iron 90 Degree Elbow	202.89	83.85
	For 300 Lb. Rating, Add	192.73	
	For Standard Weight Cast Iron Fittings, Add	1.23	
	For Work In Restricted Working Space, Add	37.72	
23 21 13 23-0041	EA 4", 150 Lb., Black Malleable Iron 90 Degree Elbow	296.18	86.99
	For 300 Lb. Rating, Add	405.58	
	For Standard Weight Cast Iron Fittings, Add	2.65	
	For Work In Restricted Working Space, Add	39.14	
23 21 13 23-0042	EA 5", 150 Lb., Black Malleable Iron 90 Degree Elbow	620.39	90.79
	For 300 Lb. Rating, Add	1,170.42	
	For Standard Weight Cast Iron Fittings, Add	7.75	
	For Work In Restricted Working Space, Add	40.84	
23 21 13 23-0043	EA 6", 150 Lb., Black Malleable Iron 90 Degree Elbow	701.71	94.93
	For 300 Lb. Rating, Add	1,351.10	
	For Standard Weight Cast Iron Fittings, Add	8.95	
	For Work In Restricted Working Space, Add	42.69	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows (23 21 13 23-0014)

23 21 13 23-0045	EA 1/2" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	34.94	19.47
	For 300 Lb. Rating, Add	15.55	
	For Standard Weight Cast Iron Fittings, Add	0.09	
	For Work In Restricted Working Space, Add	8.76	
23 21 13 23-0046	EA 3/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	39.67	22.46
	For 300 Lb. Rating, Add	16.23	
	For Standard Weight Cast Iron Fittings, Add	0.09	
	For Work In Restricted Working Space, Add	10.13	
23 21 13 23-0047	EA 3/4" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	39.37	20.79
	For 300 Lb. Rating, Add	21.71	
	For Standard Weight Cast Iron Fittings, Add	0.13	
	For Work In Restricted Working Space, Add	9.33	
23 21 13 23-0048	EA 1" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	45.33	25.20
	For 300 Lb. Rating, Add	20.50	
	For Standard Weight Cast Iron Fittings, Add	0.12	
	For Work In Restricted Working Space, Add	11.32	
23 21 13 23-0049	EA 1" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	44.03	23.89
	For 300 Lb. Rating, Add	21.83	
	For Standard Weight Cast Iron Fittings, Add	0.13	
	For Work In Restricted Working Space, Add	10.75	
23 21 13 23-0050	EA 1" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	49.33	22.09
	For 300 Lb. Rating, Add	40.75	
	For Standard Weight Cast Iron Fittings, Add	0.26	
	For Work In Restricted Working Space, Add	9.95	
23 21 13 23-0051	EA 1-1/4" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	55.21	28.30
	For 300 Lb. Rating, Add	33.19	
	For Standard Weight Cast Iron Fittings, Add	0.20	
	For Work In Restricted Working Space, Add	12.73	
23 21 13 23-0052	EA 1-1/4" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	54.62	26.88
	For 300 Lb. Rating, Add	36.65	
	For Standard Weight Cast Iron Fittings, Add	0.23	
	For Work In Restricted Working Space, Add	12.11	
23 21 13 23-0053	EA 1-1/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	55.12	25.68
	For 300 Lb. Rating, Add	42.29	
	For Standard Weight Cast Iron Fittings, Add	0.27	
	For Work In Restricted Working Space, Add	11.54	
23 21 13 23-0054	EA 1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	65.96	32.01
	For 300 Lb. Rating, Add	46.12	
	For Standard Weight Cast Iron Fittings, Add	0.29	
	For Work In Restricted Working Space, Add	14.38	
23 21 13 23-0055	EA 1-1/2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	63.34	30.22
	For 300 Lb. Rating, Add	45.97	
	For Standard Weight Cast Iron Fittings, Add	0.29	
	For Work In Restricted Working Space, Add	13.60	
23 21 13 23-0056	EA 1-1/2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	63.87	28.79
	For 300 Lb. Rating, Add	52.11	
	For Standard Weight Cast Iron Fittings, Add	0.33	
	For Work In Restricted Working Space, Add	12.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0057	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	83.80	38.46	
		For 300 Lb. Rating, Add	66.13		
		For Standard Weight Cast Iron Fittings, Add	0.42		
		For Work In Restricted Working Space, Add	17.31		
23 21 13 23-0058	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	84.49	36.55	
		For 300 Lb. Rating, Add	74.52		
		For Standard Weight Cast Iron Fittings, Add	0.47		
		For Work In Restricted Working Space, Add	16.44		
23 21 13 23-0059	EA	2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	81.86	34.76	
		For 300 Lb. Rating, Add	74.36		
		For Standard Weight Cast Iron Fittings, Add	0.47		
		For Work In Restricted Working Space, Add	15.65		
23 21 13 23-0060	EA	2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	81.58	33.44	
		For 300 Lb. Rating, Add	78.53		
		For Standard Weight Cast Iron Fittings, Add	0.50		
		For Work In Restricted Working Space, Add	15.03		
23 21 13 23-0061	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	151.73	53.39	
		For 300 Lb. Rating, Add	176.81		
		For Standard Weight Cast Iron Fittings, Add	1.15		
		For Work In Restricted Working Space, Add	24.02		
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	149.09	48.85	
		For 300 Lb. Rating, Add	186.53		
		For Standard Weight Cast Iron Fittings, Add	1.21		
		For Work In Restricted Working Space, Add	21.96		
23 21 13 23-0063	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	244.77	73.81	
		For 300 Lb. Rating, Add	328.55		
		For Standard Weight Cast Iron Fittings, Add	2.15		
		For Work In Restricted Working Space, Add	33.19		
23 21 13 23-0064	EA	3" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	211.00	63.42	
		For 300 Lb. Rating, Add	283.77		
		For Standard Weight Cast Iron Fittings, Add	1.85		
		For Work In Restricted Working Space, Add	28.54		
23 21 13 23-0065	EA	4" x 3", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow.....	353.31	82.74	
		For 300 Lb. Rating, Add	557.60		
		For Standard Weight Cast Iron Fittings, Add	3.67		
		For Work In Restricted Working Space, Add	37.22		
23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows (23 21 13 23-0014)					
23 21 13 23-0067	EA	3/8", 150 Lb., Black Malleable Iron 45 Degree Elbow.....	33.10	17.68	
		For 300 Lb. Rating, Add	17.34		
		For Standard Weight Cast Iron Fittings, Add	0.10		
		For Work In Restricted Working Space, Add	7.96		
23 21 13 23-0068	EA	1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow.....	36.84	21.26	
		For 300 Lb. Rating, Add	13.89		
		For Standard Weight Cast Iron Fittings, Add	0.08		
		For Work In Restricted Working Space, Add	9.56		
23 21 13 23-0069	EA	3/4", 150 Lb., Black Malleable Iron 45 Degree Elbow.....	41.82	23.77	
		For 300 Lb. Rating, Add	16.95		
		For Standard Weight Cast Iron Fittings, Add	0.10		
		For Work In Restricted Working Space, Add	10.70		
23 21 13 23-0070	EA	1", 150 Lb., Black Malleable Iron 45 Degree Elbow.....	47.57	26.51	
		For 300 Lb. Rating, Add	21.01		
		For Standard Weight Cast Iron Fittings, Add	0.12		
		For Work In Restricted Working Space, Add	11.94		
23 21 13 23-0071	EA	1-1/4", 150 Lb., Black Malleable Iron 45 Degree Elbow.....	58.81	30.10	
		For 300 Lb. Rating, Add	35.68		
		For Standard Weight Cast Iron Fittings, Add	0.22		
		For Work In Restricted Working Space, Add	13.52		
23 21 13 23-0072	EA	1-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow.....	67.81	33.92	
		For 300 Lb. Rating, Add	43.83		
		For Standard Weight Cast Iron Fittings, Add	0.27		
		For Work In Restricted Working Space, Add	15.25		
23 21 13 23-0073	EA	2", 150 Lb., Black Malleable Iron 45 Degree Elbow.....	90.26	43.12	
		For 300 Lb. Rating, Add	65.55		
		For Standard Weight Cast Iron Fittings, Add	0.41		
		For Work In Restricted Working Space, Add	19.37		
23 21 13 23-0074	EA	2-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow.....	169.90	63.78	
		For 300 Lb. Rating, Add	184.17		
		For Standard Weight Cast Iron Fittings, Add	1.19		
		For Work In Restricted Working Space, Add	28.67		
23 21 13 23-0075	EA	3", 150 Lb., Black Malleable Iron 45 Degree Elbow.....	222.30	83.85	
		For 300 Lb. Rating, Add	239.31		
		For Standard Weight Cast Iron Fittings, Add	1.55		
		For Work In Restricted Working Space, Add	37.72		
23 21 13 23-0076	EA	4", 150 Lb., Black Malleable Iron 45 Degree Elbow.....	319.83	86.99	
		For 300 Lb. Rating, Add	462.34		
		For Standard Weight Cast Iron Fittings, Add	3.03		
		For Work In Restricted Working Space, Add	39.14		
23 21 13 23-0077	EA	5", 150 Lb., Black Malleable Iron 45 Degree Elbow.....	884.16	90.79	
		For 300 Lb. Rating, Add	1,803.46		
		For Standard Weight Cast Iron Fittings, Add	11.97		
		For Work In Restricted Working Space, Add	40.84		
23 21 13 23-0078	EA	6", 150 Lb., Black Malleable Iron 45 Degree Elbow.....	907.64	94.93	
		For 300 Lb. Rating, Add	1,845.33		
		For Standard Weight Cast Iron Fittings, Add	12.25		
		For Work In Restricted Working Space, Add	42.69		
23 21 13 23-0079 Black Malleable Iron Tees (23 21 13 23-0014)					

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23 21 13 23-0080	EA 3/8", 150 Lb., Black Malleable Iron Tee	39.50	21.85
	For 300 Lb. Rating, Add	17.16	
	For Standard Weight Cast Iron Fittings, Add	0.10	
	For Work In Restricted Working Space, Add	9.95	
23 21 13 23-0081	EA 1/2", 150 Lb., Black Malleable Iron Tee	43.85	26.51
	For 300 Lb. Rating, Add	12.08	
	For Standard Weight Cast Iron Fittings, Add	0.06	
	For Work In Restricted Working Space, Add	11.94	
23 21 13 23-0082	EA 3/4", 150 Lb., Black Malleable Iron Tee	51.73	30.70
	For 300 Lb. Rating, Add	16.65	
	For Standard Weight Cast Iron Fittings, Add	0.09	
	For Work In Restricted Working Space, Add	13.78	
23 21 13 23-0083	EA 1", 150 Lb., Black Malleable Iron Tee	64.21	36.19
	For 300 Lb. Rating, Add	27.07	
	For Standard Weight Cast Iron Fittings, Add	0.16	
	For Work In Restricted Working Space, Add	16.29	
23 21 13 23-0084	EA 1-1/4", 150 Lb., Black Malleable Iron Tee	80.63	43.12
	For 300 Lb. Rating, Add	42.44	
	For Standard Weight Cast Iron Fittings, Add	0.26	
	For Work In Restricted Working Space, Add	19.37	
23 21 13 23-0085	EA 1-1/2", 150 Lb., Black Malleable Iron Tee	97.04	51.36
	For 300 Lb. Rating, Add	52.58	
	For Standard Weight Cast Iron Fittings, Add	0.32	
	For Work In Restricted Working Space, Add	23.12	
23 21 13 23-0086	EA 2", 150 Lb., Black Malleable Iron Tee	129.61	63.78
	For 300 Lb. Rating, Add	87.48	
	For Standard Weight Cast Iron Fittings, Add	0.54	
	For Work In Restricted Working Space, Add	28.67	
23 21 13 23-0087	EA 2-1/2", 150 Lb., Black Malleable Iron Tee	199.15	83.85
	For 300 Lb. Rating, Add	183.75	
	For Standard Weight Cast Iron Fittings, Add	1.17	
	For Work In Restricted Working Space, Add	37.72	
23 21 13 23-0088	EA 3", 150 Lb., Black Malleable Iron Tee	257.46	99.61
	For 300 Lb. Rating, Add	268.52	
	For Standard Weight Cast Iron Fittings, Add	1.73	
	For Work In Restricted Working Space, Add	44.79	
23 21 13 23-0089	EA 4", 150 Lb., Black Malleable Iron Tee	426.18	109.92
	For 300 Lb. Rating, Add	637.22	
	For Standard Weight Cast Iron Fittings, Add	4.18	
	For Work In Restricted Working Space, Add	49.44	
23 21 13 23-0090	EA 5", 150 Lb., Black Malleable Iron Tee	987.80	130.49
	For 300 Lb. Rating, Add	1,912.83	
	For Standard Weight Cast Iron Fittings, Add	12.67	
	For Work In Restricted Working Space, Add	58.70	
23 21 13 23-0091	EA 6", 150 Lb., Black Malleable Iron Tee	1,073.72	149.16
	For 300 Lb. Rating, Add	2,053.61	
	For Standard Weight Cast Iron Fittings, Add	13.60	
	For Work In Restricted Working Space, Add	67.09	

23 21 13 23-0092 Black Malleable Iron Reducing Tees (23 21 13 23-0014)

23 21 13 23-0093	EA 1/2", 150 Lb., Black Malleable Iron Reducing Tee	46.68	26.51
	For 300 Lb. Rating, Add	18.88	
	For Standard Weight Cast Iron Fittings, Add	0.11	
	For Work In Restricted Working Space, Add	11.94	
23 21 13 23-0094	EA 3/4", 150 Lb., Black Malleable Iron Reducing Tee	54.90	30.70
	For 300 Lb. Rating, Add	24.26	
	For Standard Weight Cast Iron Fittings, Add	0.14	
	For Work In Restricted Working Space, Add	13.78	
23 21 13 23-0095	EA 1", 150 Lb., Black Malleable Iron Reducing Tee	65.59	36.19
	For 300 Lb. Rating, Add	30.38	
	For Standard Weight Cast Iron Fittings, Add	0.18	
	For Work In Restricted Working Space, Add	16.29	
23 21 13 23-0096	EA 1-1/4", 150 Lb., Black Malleable Iron Reducing Tee	86.78	43.12
	For 300 Lb. Rating, Add	57.20	
	For Standard Weight Cast Iron Fittings, Add	0.36	
	For Work In Restricted Working Space, Add	19.37	
23 21 13 23-0097	EA 1-1/2", 150 Lb., Black Malleable Iron Reducing Tee	101.68	51.36
	For 300 Lb. Rating, Add	63.71	
	For Standard Weight Cast Iron Fittings, Add	0.39	
	For Work In Restricted Working Space, Add	23.12	
23 21 13 23-0098	EA 2", 150 Lb., Black Malleable Iron Reducing Tee	131.29	63.78
	For 300 Lb. Rating, Add	91.51	
	For Standard Weight Cast Iron Fittings, Add	0.57	
	For Work In Restricted Working Space, Add	28.67	
23 21 13 23-0099	EA 2-1/2", 150 Lb., Black Malleable Iron Reducing Tee	237.10	83.85
	For 300 Lb. Rating, Add	274.83	
	For Standard Weight Cast Iron Fittings, Add	1.78	
	For Work In Restricted Working Space, Add	37.72	
23 21 13 23-0100	EA 3", 150 Lb., Black Malleable Iron Reducing Tee	276.87	99.61
	For 300 Lb. Rating, Add	315.10	
	For Standard Weight Cast Iron Fittings, Add	2.04	
	For Work In Restricted Working Space, Add	44.79	
23 21 13 23-0101	EA 4", 150 Lb., Black Malleable Iron Reducing Tee	474.16	109.92
	For 300 Lb. Rating, Add	752.38	
	For Standard Weight Cast Iron Fittings, Add	4.95	
	For Work In Restricted Working Space, Add	49.44	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0102	EA	5", 150 Lb., Black Malleable Iron Reducing Tee..... For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	913.25 1,733.91 11.48 58.70	130.49
23 21 13 23-0103	EA	6", 150 Lb., Black Malleable Iron Reducing Tee..... For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	1,037.54 1,966.78 13.02 67.09	149.16
23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)				
23 21 13 23-0105	EA	3/8", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	31.96 14.60 0.09 7.96	17.68
23 21 13 23-0106	EA	1/2", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	36.03 11.94 0.07 9.56	21.26
23 21 13 23-0107	EA	3/4", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	40.54 13.88 0.08 10.70	23.77
23 21 13 23-0108	EA	1", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	47.13 19.96 0.12 11.94	26.51
23 21 13 23-0109	EA	1-1/4", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	54.55 25.46 0.15 13.52	30.10
23 21 13 23-0110	EA	1-1/2", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	63.63 33.79 0.20 15.25	33.92
23 21 13 23-0111	EA	2", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	83.55 49.45 0.30 19.37	43.12
23 21 13 23-0112	EA	2-1/2", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	147.94 131.47 0.84 28.67	63.78
23 21 13 23-0113	EA	3", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	196.56 177.54 1.13 37.72	83.85
23 21 13 23-0114	EA	4", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	273.10 350.19 2.28 39.14	86.99
23 21 13 23-0115	EA	5", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	537.78 972.15 6.43 40.84	90.79
23 21 13 23-0116	EA	6", 150 Lb., Black Malleable Iron Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	599.90 1,106.75 7.32 42.69	94.93
23 21 13 23-0117 Black Malleable Iron Reducing Couplings (23 21 13 23-0014)				
23 21 13 23-0118	EA	1/2", 150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	37.03 14.34 0.08 9.56	21.26
23 21 13 23-0119	EA	3/4", 150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	41.14 15.32 0.09 10.70	23.77
23 21 13 23-0120	EA	1", 150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	48.35 22.88 0.14 11.94	26.51
23 21 13 23-0121	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	56.06 29.08 0.18 13.52	30.10
23 21 13 23-0122	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	64.70 36.36 0.22 15.25	33.92
23 21 13 23-0123	EA	2", 150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	84.68 52.16 0.32 19.37	43.12
23 21 13 23-0124	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Coupling For 300 Lb. Rating, Add For Standard Weight Cast Iron Fittings, Add For Work In Restricted Working Space, Add	155.01 148.44 0.95 28.67	63.78

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-0125	EA	3", 150 Lb., Black Malleable Iron Reducing Coupling	198.01		83.85
		For 300 Lb. Rating, Add	181.02		
		For Standard Weight Cast Iron Fittings, Add	1.16		
		For Work In Restricted Working Space, Add	37.72		
23 21 13 23-0126	EA	4", 150 Lb., Black Malleable Iron Reducing Coupling	275.32		86.99
		For 300 Lb. Rating, Add	355.52		
		For Standard Weight Cast Iron Fittings, Add	2.32		
		For Work In Restricted Working Space, Add	39.14		
23 21 13 23-0127	EA	5", 150 Lb., Black Malleable Iron Reducing Coupling	461.75		90.79
		For 300 Lb. Rating, Add	789.68		
		For Standard Weight Cast Iron Fittings, Add	5.21		
		For Work In Restricted Working Space, Add	40.84		
23 21 13 23-0128	EA	6", 150 Lb., Black Malleable Iron Reducing Coupling	560.55		94.93
		For 300 Lb. Rating, Add	1,012.31		
		For Standard Weight Cast Iron Fittings, Add	6.69		
		For Work In Restricted Working Space, Add	42.69		
23 21 13 23-0129 Black Malleable Iron Caps (23 21 13 23-0014)					
23 21 13 23-0130	EA	1/2", 150 Lb., Black Malleable Iron Cap	17.39		9.43
		For 300 Lb. Rating, Add	8.20		
		For Standard Weight Cast Iron Fittings, Add	0.05		
		For Work In Restricted Working Space, Add	4.30		
23 21 13 23-0131	EA	3/4", 150 Lb., Black Malleable Iron Cap	20.17		10.63
		For 300 Lb. Rating, Add	10.87		
		For Standard Weight Cast Iron Fittings, Add	0.07		
		For Work In Restricted Working Space, Add	4.81		
23 21 13 23-0132	EA	1", 150 Lb., Black Malleable Iron Cap	22.92		11.83
		For 300 Lb. Rating, Add	13.08		
		For Standard Weight Cast Iron Fittings, Add	0.08		
		For Work In Restricted Working Space, Add	5.38		
23 21 13 23-0133	EA	1-1/4", 150 Lb., Black Malleable Iron Cap	26.87		13.38
		For 300 Lb. Rating, Add	17.03		
		For Standard Weight Cast Iron Fittings, Add	0.11		
		For Work In Restricted Working Space, Add	6.08		
23 21 13 23-0134	EA	1-1/2", 150 Lb., Black Malleable Iron Cap	31.92		15.05
		For 300 Lb. Rating, Add	23.09		
		For Standard Weight Cast Iron Fittings, Add	0.14		
		For Work In Restricted Working Space, Add	6.86		
23 21 13 23-0135	EA	2", 150 Lb., Black Malleable Iron Cap	42.27		19.23
		For 300 Lb. Rating, Add	33.47		
		For Standard Weight Cast Iron Fittings, Add	0.21		
		For Work In Restricted Working Space, Add	8.72		
23 21 13 23-0136	EA	2-1/2", 150 Lb., Black Malleable Iron Cap	73.32		28.43
		For 300 Lb. Rating, Add	75.35		
		For Standard Weight Cast Iron Fittings, Add	0.49		
		For Work In Restricted Working Space, Add	12.90		
23 21 13 23-0137	EA	3", 150 Lb., Black Malleable Iron Cap	101.30		37.38
		For 300 Lb. Rating, Add	110.72		
		For Standard Weight Cast Iron Fittings, Add	0.72		
		For Work In Restricted Working Space, Add	16.97		
23 21 13 23-0138	EA	4", 150 Lb., Black Malleable Iron Cap	135.38		38.80
		For 300 Lb. Rating, Add	187.55		
		For Standard Weight Cast Iron Fittings, Add	1.23		
		For Work In Restricted Working Space, Add	17.61		
23 21 13 23-0139	EA	5", 150 Lb., Black Malleable Iron Cap	244.01		40.47
		For 300 Lb. Rating, Add	442.30		
		For Standard Weight Cast Iron Fittings, Add	2.92		
		For Work In Restricted Working Space, Add	18.38		
23 21 13 23-0140	EA	6", 150 Lb., Black Malleable Iron Cap	399.05		42.27
		For 300 Lb. Rating, Add	807.87		
		For Standard Weight Cast Iron Fittings, Add	5.36		
		For Work In Restricted Working Space, Add	19.21		
23 21 13 23-0141 Black Malleable Iron Unions (23 21 13 23-0014)					
23 21 13 23-0142	EA	3/8", 150 Lb., Black Malleable Iron Union	41.18		17.68
		For Work In Restricted Working Space, Add	7.96		
23 21 13 23-0143	EA	1/2", 150 Lb., Black Malleable Iron Union	53.06		26.51
		For Work In Restricted Working Space, Add	11.94		
23 21 13 23-0144	EA	3/4", 150 Lb., Black Malleable Iron Union	61.17		30.70
		For Work In Restricted Working Space, Add	13.78		
23 21 13 23-0145	EA	1", 150 Lb., Black Malleable Iron Union	74.15		36.19
		For Work In Restricted Working Space, Add	16.29		
23 21 13 23-0146	EA	1-1/4", 150 Lb., Black Malleable Iron Union	93.04		43.12
		For Work In Restricted Working Space, Add	19.37		
23 21 13 23-0147	EA	1-1/2", 150 Lb., Black Malleable Iron Union	112.57		51.36
		For Work In Restricted Working Space, Add	23.12		
23 21 13 23-0148	EA	2", 150 Lb., Black Malleable Iron Union	136.84		63.78
		For Work In Restricted Working Space, Add	28.67		
23 21 13 23-0149	EA	2-1/2", 150 Lb., Black Malleable Iron Union	264.05		94.00
		For Work In Restricted Working Space, Add	42.32		
23 21 13 23-0150	EA	3", 150 Lb., Black Malleable Iron Union	333.68		123.62
		For Work In Restricted Working Space, Add	55.68		
23 21 13 23-0151	EA	3/8", 250 Lb., Black Malleable Iron Union	45.89		17.68
		For Work In Restricted Working Space, Add	7.96		
23 21 13 23-0152	EA	1/2", 250 Lb., Black Malleable Iron Union	62.01		26.51
		For Work In Restricted Working Space, Add	11.94		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0153	EA	3/4"	250 Lb., Black Malleable Iron Union.....	67.78	30.70
			<i>For Work In Restricted Working Space, Add</i>	13.78	
23 21 13 23-0154	EA	1"	250 Lb., Black Malleable Iron Union.....	81.07	36.19
			<i>For Work In Restricted Working Space, Add</i>	16.28	
23 21 13 23-0155	EA	1-1/4"	250 Lb., Black Malleable Iron Union.....	109.51	43.12
			<i>For Work In Restricted Working Space, Add</i>	19.37	
23 21 13 23-0156	EA	1-1/2"	250 Lb., Black Malleable Iron Union.....	128.81	51.36
			<i>For Work In Restricted Working Space, Add</i>	23.12	
23 21 13 23-0157	EA	2"	250 Lb., Black Malleable Iron Union.....	161.95	63.78
			<i>For Work In Restricted Working Space, Add</i>	28.67	
23 21 13 23-0158	EA	2-1/2"	250 Lb., Black Malleable Iron Union.....	349.17	94.00
			<i>For Work In Restricted Working Space, Add</i>	42.32	
23 21 13 23-0159	EA	3"	250 Lb., Black Malleable Iron Union.....	429.16	123.62
			<i>For Work In Restricted Working Space, Add</i>	55.68	
23 21 13 23-0160	EA	4"	250 Lb., Black Malleable Iron Union.....	624.30	128.36
			<i>For Work In Restricted Working Space, Add</i>	57.77	
23 21 13 23-0161	EA	3/8"	300 Lb., Black Malleable Iron Union.....	57.94	17.68
			<i>For Work In Restricted Working Space, Add</i>	7.96	
23 21 13 23-0162	EA	1/2"	300 Lb., Black Malleable Iron Union.....	65.21	26.51
			<i>For Work In Restricted Working Space, Add</i>	11.94	
23 21 13 23-0163	EA	3/4"	300 Lb., Black Malleable Iron Union.....	74.07	30.70
			<i>For Work In Restricted Working Space, Add</i>	13.78	
23 21 13 23-0164	EA	1"	300 Lb., Black Malleable Iron Union.....	91.01	36.19
			<i>For Work In Restricted Working Space, Add</i>	16.28	
23 21 13 23-0165	EA	1-1/4"	300 Lb., Black Malleable Iron Union.....	124.46	43.12
			<i>For Work In Restricted Working Space, Add</i>	19.37	
23 21 13 23-0166	EA	1-1/2"	300 Lb., Black Malleable Iron Union.....	139.79	51.36
			<i>For Work In Restricted Working Space, Add</i>	23.12	
23 21 13 23-0167	EA	2"	300 Lb., Black Malleable Iron Union.....	173.25	63.78
			<i>For Work In Restricted Working Space, Add</i>	28.67	
23 21 13 23-0168	EA	2-1/2"	300 Lb., Black Malleable Iron Union.....	391.57	94.00
			<i>For Work In Restricted Working Space, Add</i>	42.32	
23 21 13 23-0169	EA	3"	300 Lb., Black Malleable Iron Union.....	509.68	123.62
			<i>For Work In Restricted Working Space, Add</i>	55.68	
23 21 13 23-0170	EA	4"	300 Lb., Black Malleable Iron Union.....	1,221.17	128.36
			<i>For Work In Restricted Working Space, Add</i>	57.77	
23 21 13 23-0171 Black Steel Nipples (23 21 13 23-0014)					
23 21 13 23-0172	EA	3/8" x Close	Schedule 40 Black Steel Nipple.....	20.49	11.34
			<i>For Schedule 80 Nipples, Add</i>	1.72	
			<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0173	EA	1/2" x Close	Schedule 40 Black Steel Nipple.....	19.96	11.34
			<i>For Schedule 80 Nipples, Add</i>	1.45	
			<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0174	EA	3/4" x Close	Schedule 40 Black Steel Nipple.....	20.38	11.34
			<i>For Schedule 80 Nipples, Add</i>	1.66	
			<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0175	EA	1" x Close	Schedule 40 Black Steel Nipple.....	23.21	12.30
			<i>For Schedule 80 Nipples, Add</i>	2.42	
			<i>For Work In Restricted Working Space, Add</i>	5.51	
23 21 13 23-0176	EA	1-1/4" x Close	Schedule 40 Black Steel Nipple.....	26.02	13.26
			<i>For Schedule 80 Nipples, Add</i>	3.06	
			<i>For Work In Restricted Working Space, Add</i>	5.97	
23 21 13 23-0177	EA	1-1/2" x Close	Schedule 40 Black Steel Nipple.....	27.52	13.26
			<i>For Schedule 80 Nipples, Add</i>	3.81	
			<i>For Work In Restricted Working Space, Add</i>	5.97	
23 21 13 23-0178	EA	2" x Close	Schedule 40 Black Steel Nipple.....	36.06	17.08
			<i>For Schedule 80 Nipples, Add</i>	5.19	
			<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21 13 23-0179	EA	2-1/2" x Close	Schedule 40 Black Steel Nipple.....	64.31	21.26
			<i>For Schedule 80 Nipples, Add</i>	16.23	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
23 21 13 23-0180	EA	3" x Close	Schedule 40 Black Steel Nipple.....	77.10	25.68
			<i>For Schedule 80 Nipples, Add</i>	19.29	
			<i>For Work In Restricted Working Space, Add</i>	11.56	
23 21 13 23-0181	EA	4" x Close	Schedule 40 Black Steel Nipple.....	102.82	29.85
			<i>For Schedule 80 Nipples, Add</i>	29.05	
			<i>For Work In Restricted Working Space, Add</i>	13.42	
23 21 13 23-0182	EA	3/8" x 1-1/2" Long	Schedule 40 Black Steel Nipple.....	20.96	11.34
			<i>For Schedule 80 Nipples, Add</i>	1.95	
			<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long	Schedule 40 Black Steel Nipple.....	19.96	11.34
			<i>For Schedule 80 Nipples, Add</i>	1.45	
			<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long	Schedule 40 Black Steel Nipple.....	20.64	11.34
			<i>For Schedule 80 Nipples, Add</i>	1.79	
			<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0185	EA	3/8" x 2" Long	Schedule 40 Black Steel Nipple.....	20.96	11.34
			<i>For Schedule 80 Nipples, Add</i>	1.95	
			<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0186	EA	1/2" x 2" Long	Schedule 40 Black Steel Nipple.....	19.96	11.34
			<i>For Schedule 80 Nipples, Add</i>	1.45	
			<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0187	EA	3/4" x 2" Long	Schedule 40 Black Steel Nipple.....	20.64	11.34
			<i>For Schedule 80 Nipples, Add</i>	1.79	
			<i>For Work In Restricted Working Space, Add</i>	5.12	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple.....	23.67	12.30
		<i>For Schedule 80 Nipples, Add</i>	2.65	
		<i>For Work In Restricted Working Space, Add</i>	5.51	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	26.85	13.26
		<i>For Schedule 80 Nipples, Add</i>	3.47	
		<i>For Work In Restricted Working Space, Add</i>	5.97	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	28.13	13.26
		<i>For Schedule 80 Nipples, Add</i>	4.11	
		<i>For Work In Restricted Working Space, Add</i>	5.97	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	22.06	11.34
		<i>For Schedule 80 Nipples, Add</i>	2.50	
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	20.49	11.34
		<i>For Schedule 80 Nipples, Add</i>	1.72	
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	21.10	11.34
		<i>For Schedule 80 Nipples, Add</i>	2.02	
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	23.99	12.30
		<i>For Schedule 80 Nipples, Add</i>	2.81	
		<i>For Work In Restricted Working Space, Add</i>	5.51	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	27.27	13.26
		<i>For Schedule 80 Nipples, Add</i>	3.68	
		<i>For Work In Restricted Working Space, Add</i>	5.97	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	29.10	13.26
		<i>For Schedule 80 Nipples, Add</i>	4.60	
		<i>For Work In Restricted Working Space, Add</i>	5.97	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	37.59	17.08
		<i>For Schedule 80 Nipples, Add</i>	5.95	
		<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	22.06	11.34
		<i>For Schedule 80 Nipples, Add</i>	2.50	
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	20.49	11.34
		<i>For Schedule 80 Nipples, Add</i>	1.72	
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple.....	21.10	11.34
		<i>For Schedule 80 Nipples, Add</i>	2.02	
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple.....	23.99	12.30
		<i>For Schedule 80 Nipples, Add</i>	2.81	
		<i>For Work In Restricted Working Space, Add</i>	5.51	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	27.27	13.26
		<i>For Schedule 80 Nipples, Add</i>	3.68	
		<i>For Work In Restricted Working Space, Add</i>	5.97	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	29.10	13.26
		<i>For Schedule 80 Nipples, Add</i>	4.60	
		<i>For Work In Restricted Working Space, Add</i>	5.97	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple.....	37.59	17.08
		<i>For Schedule 80 Nipples, Add</i>	5.95	
		<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	65.17	21.26
		<i>For Schedule 80 Nipples, Add</i>	16.66	
		<i>For Work In Restricted Working Space, Add</i>	9.56	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple.....	80.46	25.68
		<i>For Schedule 80 Nipples, Add</i>	20.97	
		<i>For Work In Restricted Working Space, Add</i>	11.56	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	22.96	11.34
		<i>For Schedule 80 Nipples, Add</i>	2.95	
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	21.17	11.34
		<i>For Schedule 80 Nipples, Add</i>	2.06	
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple.....	22.06	11.34
		<i>For Schedule 80 Nipples, Add</i>	2.50	
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	25.32	12.30
		<i>For Schedule 80 Nipples, Add</i>	3.47	
		<i>For Work In Restricted Working Space, Add</i>	5.51	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	28.63	13.26
		<i>For Schedule 80 Nipples, Add</i>	4.36	
		<i>For Work In Restricted Working Space, Add</i>	5.97	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	30.21	13.26
		<i>For Schedule 80 Nipples, Add</i>	5.15	
		<i>For Work In Restricted Working Space, Add</i>	5.97	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	40.10	17.08
		<i>For Schedule 80 Nipples, Add</i>	7.21	
		<i>For Work In Restricted Working Space, Add</i>	7.71	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	71.03	21.26
		<i>For Schedule 80 Nipples, Add</i>	19.59	
		<i>For Work In Restricted Working Space, Add</i>	9.56	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	88.19	25.68
		<i>For Schedule 80 Nipples, Add</i>	24.83	
		<i>For Work In Restricted Working Space, Add</i>	11.56	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple.....	22.96	11.34
		<i>For Schedule 80 Nipples, Add</i>	2.95	
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple.....	21.17	11.34
		<i>For Schedule 80 Nipples, Add</i>	2.06	
		<i>For Work In Restricted Working Space, Add</i>	5.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple.....	22.06	11.34	
		For Schedule 80 Nipples, Add	2.50		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple.....	25.32	12.30	
		For Schedule 80 Nipples, Add	3.47		
		For Work In Restricted Working Space, Add	5.51		
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	28.63	13.26	
		For Schedule 80 Nipples, Add	4.36		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	30.21	13.26	
		For Schedule 80 Nipples, Add	5.15		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple.....	40.10	17.08	
		For Schedule 80 Nipples, Add	7.21		
		For Work In Restricted Working Space, Add	7.71		
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	71.03	21.26	
		For Schedule 80 Nipples, Add	19.59		
		For Work In Restricted Working Space, Add	9.56		
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple.....	88.19	25.68	
		For Schedule 80 Nipples, Add	24.83		
		For Work In Restricted Working Space, Add	11.56		
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple.....	111.94	29.85	
		For Schedule 80 Nipples, Add	33.61		
		For Work In Restricted Working Space, Add	13.42		
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	25.57	11.34	
		For Schedule 80 Nipples, Add	4.26		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	21.89	11.34	
		For Schedule 80 Nipples, Add	2.42		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	23.35	11.34	
		For Schedule 80 Nipples, Add	3.15		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	26.60	12.30	
		For Schedule 80 Nipples, Add	4.11		
		For Work In Restricted Working Space, Add	5.51		
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	30.35	13.26	
		For Schedule 80 Nipples, Add	5.22		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	32.49	13.26	
		For Schedule 80 Nipples, Add	6.29		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	42.28	17.08	
		For Schedule 80 Nipples, Add	8.30		
		For Work In Restricted Working Space, Add	7.71		
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	74.89	21.26	
		For Schedule 80 Nipples, Add	21.52		
		For Work In Restricted Working Space, Add	9.56		
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	93.30	25.68	
		For Schedule 80 Nipples, Add	27.39		
		For Work In Restricted Working Space, Add	11.56		
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	121.52	29.85	
		For Schedule 80 Nipples, Add	38.40		
		For Work In Restricted Working Space, Add	13.42		
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	25.57	11.34	
		For Schedule 80 Nipples, Add	4.26		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	21.89	11.34	
		For Schedule 80 Nipples, Add	2.42		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	23.35	11.34	
		For Schedule 80 Nipples, Add	3.15		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple.....	26.60	12.30	
		For Schedule 80 Nipples, Add	4.11		
		For Work In Restricted Working Space, Add	5.51		
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	30.35	13.26	
		For Schedule 80 Nipples, Add	5.22		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	32.49	13.26	
		For Schedule 80 Nipples, Add	6.29		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple.....	42.28	17.08	
		For Schedule 80 Nipples, Add	8.30		
		For Work In Restricted Working Space, Add	7.71		
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	74.89	21.26	
		For Schedule 80 Nipples, Add	21.52		
		For Work In Restricted Working Space, Add	9.56		
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple.....	93.30	25.68	
		For Schedule 80 Nipples, Add	27.39		
		For Work In Restricted Working Space, Add	11.56		
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple.....	121.52	29.85	
		For Schedule 80 Nipples, Add	38.40		
		For Work In Restricted Working Space, Add	13.42		
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	26.53	11.34	
		For Schedule 80 Nipples, Add	4.74		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	22.46	11.34	
		For Schedule 80 Nipples, Add	2.70		
		For Work In Restricted Working Space, Add	5.12		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	24.21		11.34
		For Schedule 80 Nipples, Add	3.58		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	28.10		12.30
		For Schedule 80 Nipples, Add	4.86		
		For Work In Restricted Working Space, Add	5.51		
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	32.28		13.26
		For Schedule 80 Nipples, Add	6.19		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	34.35		13.26
		For Schedule 80 Nipples, Add	7.22		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple.....	45.14		17.08
		For Schedule 80 Nipples, Add	9.73		
		For Work In Restricted Working Space, Add	7.71		
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	76.72		21.26
		For Schedule 80 Nipples, Add	22.44		
		For Work In Restricted Working Space, Add	9.56		
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple.....	98.05		25.68
		For Schedule 80 Nipples, Add	29.76		
		For Work In Restricted Working Space, Add	11.56		
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple.....	126.81		29.85
		For Schedule 80 Nipples, Add	41.04		
		For Work In Restricted Working Space, Add	13.42		
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	33.68		11.34
		For Schedule 80 Nipples, Add	8.31		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	26.78		11.34
		For Schedule 80 Nipples, Add	4.86		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	28.96		11.34
		For Schedule 80 Nipples, Add	5.95		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple.....	34.29		12.30
		For Schedule 80 Nipples, Add	7.96		
		For Work In Restricted Working Space, Add	5.51		
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	39.89		13.26
		For Schedule 80 Nipples, Add	9.99		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	42.83		13.26
		For Schedule 80 Nipples, Add	11.46		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple.....	58.29		17.08
		For Schedule 80 Nipples, Add	16.30		
		For Work In Restricted Working Space, Add	7.71		
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	88.94		21.26
		For Schedule 80 Nipples, Add	28.55		
		For Work In Restricted Working Space, Add	9.56		
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple.....	118.82		25.68
		For Schedule 80 Nipples, Add	40.15		
		For Work In Restricted Working Space, Add	11.56		
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple.....	139.47		29.85
		For Schedule 80 Nipples, Add	47.37		
		For Work In Restricted Working Space, Add	13.42		
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple.....	35.72		11.34
		For Schedule 80 Nipples, Add	9.33		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	28.75		11.34
		For Schedule 80 Nipples, Add	5.85		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple.....	30.90		11.34
		For Schedule 80 Nipples, Add	6.92		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple.....	36.97		12.30
		For Schedule 80 Nipples, Add	9.30		
		For Work In Restricted Working Space, Add	5.51		
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	43.86		13.26
		For Schedule 80 Nipples, Add	11.98		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	46.72		13.26
		For Schedule 80 Nipples, Add	13.41		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple.....	64.01		17.08
		For Schedule 80 Nipples, Add	19.16		
		For Work In Restricted Working Space, Add	7.71		
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	95.99		21.26
		For Schedule 80 Nipples, Add	32.07		
		For Work In Restricted Working Space, Add	9.56		
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple.....	128.73		25.68
		For Schedule 80 Nipples, Add	45.10		
		For Work In Restricted Working Space, Add	11.56		
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple.....	152.62		29.85
		For Schedule 80 Nipples, Add	53.95		
		For Work In Restricted Working Space, Add	13.42		
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple.....	38.30		11.34
		For Schedule 80 Nipples, Add	10.62		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	30.93		11.34
		For Schedule 80 Nipples, Add	6.94		
		For Work In Restricted Working Space, Add	5.12		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple.....	32.43	11.34	
		For Schedule 80 Nipples, Add	7.69		
		For Work In Restricted Working Space, Add	5.12		
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple.....	39.72	12.30	
		For Schedule 80 Nipples, Add	10.67		
		For Work In Restricted Working Space, Add	5.51		
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	47.08	13.26	
		For Schedule 80 Nipples, Add	13.59		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	50.80	13.26	
		For Schedule 80 Nipples, Add	15.45		
		For Work In Restricted Working Space, Add	5.97		
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple.....	69.81	17.08	
		For Schedule 80 Nipples, Add	22.06		
		For Work In Restricted Working Space, Add	7.71		
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	103.21	21.26	
		For Schedule 80 Nipples, Add	35.68		
		For Work In Restricted Working Space, Add	9.56		
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple.....	138.63	25.68	
		For Schedule 80 Nipples, Add	50.05		
		For Work In Restricted Working Space, Add	11.56		
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple.....	171.21	29.85	
		For Schedule 80 Nipples, Add	63.24		
		For Work In Restricted Working Space, Add	13.42		
23 21 13 23-0286 Black Malleable Iron Bushing (23 21 13 23-0014)					
23 21 13 23-0287	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	33.83	19.47	
		For Work In Restricted Working Space, Add	8.76		
23 21 13 23-0288	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	38.05	20.91	
		For Work In Restricted Working Space, Add	9.41		
23 21 13 23-0289	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	40.44	22.46	
		For Work In Restricted Working Space, Add	10.13		
23 21 13 23-0290	EA	1" x 3/8", 150 Lb., Black Malleable Iron Bushing	42.66	22.34	
		For Work In Restricted Working Space, Add	10.03		
23 21 13 23-0291	EA	1" x 1/2", 150 Lb., Black Malleable Iron Bushing	42.72	23.89	
		For Work In Restricted Working Space, Add	10.75		
23 21 13 23-0292	EA	1" x 3/4", 150 Lb., Black Malleable Iron Bushing	44.62	25.20	
		For Work In Restricted Working Space, Add	11.32		
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	46.42	24.01	
		For Work In Restricted Working Space, Add	10.82		
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	48.34	25.68	
		For Work In Restricted Working Space, Add	11.54		
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Bushing	49.25	26.88	
		For Work In Restricted Working Space, Add	12.11		
23 21 13 23-0296	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Bushing	51.33	28.30	
		For Work In Restricted Working Space, Add	12.73		
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	52.60	26.04	
		For Work In Restricted Working Space, Add	11.69		
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 Lb., Black Malleable Iron Bushing	52.59	27.59	
		For Work In Restricted Working Space, Add	12.40		
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	54.49	28.79	
		For Work In Restricted Working Space, Add	12.97		
23 21 13 23-0300	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	55.20	30.22	
		For Work In Restricted Working Space, Add	13.60		
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	59.22	32.01	
		For Work In Restricted Working Space, Add	14.38		
23 21 13 23-0302	EA	2" x 3/8", 150 Lb., Black Malleable Iron Bushing	65.09	30.58	
		For Work In Restricted Working Space, Add	13.75		
23 21 13 23-0303	EA	2" x 1/2", 150 Lb., Black Malleable Iron Bushing	65.19	32.13	
		For Work In Restricted Working Space, Add	14.46		
23 21 13 23-0304	EA	2" x 3/4", 150 Lb., Black Malleable Iron Bushing	64.48	33.44	
		For Work In Restricted Working Space, Add	15.03		
23 21 13 23-0305	EA	2" x 1", 150 Lb., Black Malleable Iron Bushing	65.64	34.76	
		For Work In Restricted Working Space, Add	15.65		
23 21 13 23-0306	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	68.27	36.55	
		For Work In Restricted Working Space, Add	16.44		
23 21 13 23-0307	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	72.67	38.46	
		For Work In Restricted Working Space, Add	17.31		
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	90.07	43.72	
		For Work In Restricted Working Space, Add	19.68		
23 21 13 23-0309	EA	2-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	92.14	45.15	
		For Work In Restricted Working Space, Add	20.30		
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	94.78	46.82	
		For Work In Restricted Working Space, Add	21.10		
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	95.99	48.85	
		For Work In Restricted Working Space, Add	21.96		
23 21 13 23-0312	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Bushing	102.67	53.39	
		For Work In Restricted Working Space, Add	24.02		
23 21 13 23-0313	EA	3" x 3/4", 150 Lb., Black Malleable Iron Bushing	114.53	53.75	
		For Work In Restricted Working Space, Add	24.21		
23 21 13 23-0314	EA	3" x 1", 150 Lb., Black Malleable Iron Bushing	116.60	55.18	
		For Work In Restricted Working Space, Add	24.83		
23 21 13 23-0315	EA	3" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	119.23	56.97	
		For Work In Restricted Working Space, Add	25.62		
23 21 13 23-0316	EA	3" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	121.46	58.88	
		For Work In Restricted Working Space, Add	26.48		
23 21 13 23-0317	EA	3" x 2", 150 Lb., Black Malleable Iron Bushing	126.14	63.42	
		For Work In Restricted Working Space, Add	28.54		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0318	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	142.11	73.81
		<i>For Work In Restricted Working Space, Add</i>	33.19	
23 21 13 23-0319	EA	4" x 3/4", 150 Lb., Black Malleable Iron Bushing	146.81	54.57
		<i>For Work In Restricted Working Space, Add</i>	24.58	
23 21 13 23-0320	EA	4" x 1", 150 Lb., Black Malleable Iron Bushing	148.75	55.91
		<i>For Work In Restricted Working Space, Add</i>	25.16	
23 21 13 23-0321	EA	4" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	151.21	57.58
		<i>For Work In Restricted Working Space, Add</i>	25.90	
23 21 13 23-0322	EA	4" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	153.91	59.38
		<i>For Work In Restricted Working Space, Add</i>	26.71	
23 21 13 23-0323	EA	4" x 2", 150 Lb., Black Malleable Iron Bushing	156.86	63.63
		<i>For Work In Restricted Working Space, Add</i>	28.64	
23 21 13 23-0324	EA	4" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	171.36	73.35
		<i>For Work In Restricted Working Space, Add</i>	32.99	
23 21 13 23-0325	EA	4" x 3", 150 Lb., Black Malleable Iron Bushing	185.49	82.74
		<i>For Work In Restricted Working Space, Add</i>	37.22	

23 21 13 23-0326 Black Malleable Iron Square Head Plugs (23 21 13 23-0014)

23 21 13 23-0327	EA	3/8", 150 Lb., Black Malleable Iron Square Head Plug	14.16	7.05
		<i>For Work In Restricted Working Space, Add</i>	3.19	
23 21 13 23-0328	EA	1/2", 150 Lb., Black Malleable Iron Square Head Plug	16.52	8.48
		<i>For Work In Restricted Working Space, Add</i>	3.82	
23 21 13 23-0329	EA	3/4", 150 Lb., Black Malleable Iron Square Head Plug	18.04	9.55
		<i>For Work In Restricted Working Space, Add</i>	4.28	
23 21 13 23-0330	EA	1", 150 Lb., Black Malleable Iron Square Head Plug	20.67	10.63
		<i>For Work In Restricted Working Space, Add</i>	4.78	
23 21 13 23-0331	EA	1-1/4", 150 Lb., Black Malleable Iron Square Head Plug	24.02	12.06
		<i>For Work In Restricted Working Space, Add</i>	5.41	
23 21 13 23-0332	EA	1-1/2", 150 Lb., Black Malleable Iron Square Head Plug	28.68	13.50
		<i>For Work In Restricted Working Space, Add</i>	6.10	
23 21 13 23-0333	EA	2", 150 Lb., Black Malleable Iron Square Head Plug	37.69	17.20
		<i>For Work In Restricted Working Space, Add</i>	7.75	
23 21 13 23-0334	EA	2-1/2", 150 Lb., Black Malleable Iron Square Head Plug	59.82	25.44
		<i>For Work In Restricted Working Space, Add</i>	11.47	
23 21 13 23-0335	EA	3", 150 Lb., Black Malleable Iron Square Head Plug	79.96	33.56
		<i>For Work In Restricted Working Space, Add</i>	15.09	
23 21 13 23-0336	EA	4", 150 Lb., Black Malleable Iron Square Head Plug	114.39	34.77
		<i>For Work In Restricted Working Space, Add</i>	15.65	
23 21 13 23-0337	EA	5", 150 Lb., Black Malleable Iron Square Head Plug	188.08	36.34
		<i>For Work In Restricted Working Space, Add</i>	16.34	
23 21 13 23-0338	EA	6", 150 Lb., Black Malleable Iron Square Head Plug	222.43	37.90
		<i>For Work In Restricted Working Space, Add</i>	17.08	

23 21 13 23-0339 125 Lb., Black Cast Iron Screwed Flanges (23 21 13 23-0014)

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0340	EA	3/4", 125 Lb., Black Cast Iron Flange	139.40	47.77
		<i>For Work In Restricted Working Space, Add</i>	21.50	
23 21 13 23-0341	EA	1", 125 Lb., Black Cast Iron Flange	124.06	53.98
		<i>For Work In Restricted Working Space, Add</i>	24.29	
23 21 13 23-0342	EA	1-1/4", 125 Lb., Black Cast Iron Flange	135.35	55.90
		<i>For Work In Restricted Working Space, Add</i>	25.14	
23 21 13 23-0343	EA	1-1/2", 125 Lb., Black Cast Iron Flange	138.80	60.80
		<i>For Work In Restricted Working Space, Add</i>	27.35	
23 21 13 23-0344	EA	2", 125 Lb., Black Cast Iron Flange	142.69	63.42
		<i>For Work In Restricted Working Space, Add</i>	28.55	
23 21 13 23-0345	EA	2-1/2", 125 Lb., Black Cast Iron Flange	165.66	73.46
		<i>For Work In Restricted Working Space, Add</i>	33.02	
23 21 13 23-0346	EA	3", 125 Lb., Black Cast Iron Flange	211.31	93.17
		<i>For Work In Restricted Working Space, Add</i>	41.91	
23 21 13 23-0347	EA	4", 125 Lb., Black Cast Iron Flange	275.43	119.31
		<i>For Work In Restricted Working Space, Add</i>	53.67	
23 21 13 23-0348	EA	5", 125 Lb., Black Cast Iron Flange	349.34	142.12
		<i>For Work In Restricted Working Space, Add</i>	63.90	
23 21 13 23-0349	EA	6", 125 Lb., Black Cast Iron Flange	398.88	163.15
		<i>For Work In Restricted Working Space, Add</i>	73.38	

23 21 13 23-0350 150 Lb., Black Malleable Iron Flanges (23 21 13 23-0014)

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0351	EA	1/2", 150 Lb., Black Malleable Iron Flange	80.42	43.59
		<i>For Work In Restricted Working Space, Add</i>	19.63	
23 21 13 23-0352	EA	3/4", 150 Lb., Black Malleable Iron Flange	87.82	47.77
		<i>For Work In Restricted Working Space, Add</i>	21.50	
23 21 13 23-0353	EA	1", 150 Lb., Black Malleable Iron Flange	101.95	53.98
		<i>For Work In Restricted Working Space, Add</i>	24.29	
23 21 13 23-0354	EA	1-1/4", 150 Lb., Black Malleable Iron Flange	106.24	55.90
		<i>For Work In Restricted Working Space, Add</i>	25.14	
23 21 13 23-0355	EA	1-1/2", 150 Lb., Black Malleable Iron Flange	115.64	60.80
		<i>For Work In Restricted Working Space, Add</i>	27.35	
23 21 13 23-0356	EA	2", 150 Lb., Black Malleable Iron Flange	127.07	63.42
		<i>For Work In Restricted Working Space, Add</i>	28.55	
23 21 13 23-0357	EA	2-1/2", 150 Lb., Black Malleable Iron Flange	160.10	73.46
		<i>For Work In Restricted Working Space, Add</i>	33.02	
23 21 13 23-0358	EA	3", 150 Lb., Black Malleable Iron Flange	202.90	93.17
		<i>For Work In Restricted Working Space, Add</i>	41.90	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0359	EA	4", 150 Lb., Black Malleable Iron Flange	.....	286.28	119.31
		For Work In Restricted Working Space, Add		53.66	
23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe (23 21 13 23-0014)					
Note: For use when connecting pipe to an existing in-place system.					
23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	.....	38.92	
		For Work In Restricted Working Space, Add		11.68	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	.....	42.81	
		For Work In Restricted Working Space, Add		12.84	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	.....	46.70	
		For Work In Restricted Working Space, Add		14.01	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	.....	50.59	
		For Work In Restricted Working Space, Add		15.18	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	.....	53.18	
		For Work In Restricted Working Space, Add		15.95	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	.....	55.78	
		For Work In Restricted Working Space, Add		16.73	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	.....	58.38	
		For Work In Restricted Working Space, Add		17.51	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	.....	60.96	
		For Work In Restricted Working Space, Add		18.29	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	.....	63.56	
		For Work In Restricted Working Space, Add		19.07	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	.....	68.75	
		For Work In Restricted Working Space, Add		20.63	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	.....	73.93	
		For Work In Restricted Working Space, Add		22.18	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	.....	80.42	
		For Work In Restricted Working Space, Add		24.13	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	.....	85.61	
		For Work In Restricted Working Space, Add		25.68	
23 21 13 23-0374 Welded Black Steel Pipe (23 21 13 23)					
23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies (23 21 13 23-0374)					
Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.					
23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	.....	29.01	9.08
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		6.64	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	.....	32.58	9.68
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		7.43	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	.....	39.51	10.29
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		8.53	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	.....	42.80	10.29
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		8.92	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	.....	49.13	10.29
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		10.32	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	.....	56.87	10.29
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		11.97	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	.....	67.52	10.05
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		12.63	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	.....	89.37	12.24
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		15.19	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	.....	122.80	18.25
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		17.49	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	.....	185.31	22.66
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		25.95	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	.....	246.79	28.33
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		30.94	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly	.....	310.73	34.22
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		For Work In Restricted Working Space, Add		35.75	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	331.10	44.65
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	39.89	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	381.00	56.66
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	44.57	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	483.96	70.15
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	48.91	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	601.89	86.69
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	55.98	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	741.95	98.25
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	61.55	

23 21 13 23-0393 Welded Black Steel Pipe And Fittings (23 21 13 23-0374)

Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.

23 21 13 23-0394 Welded Plain End (A-53) Black Steel Piping (23 21 13 23-0393)

23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	13.17	4.85
		For Schedule 80 Pipe, Add	2.15	
		For Work In Restricted Working Space, Add	2.90	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	16.75	6.05
		For Schedule 80 Pipe, Add	2.74	
		For Work In Restricted Working Space, Add	3.63	
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	21.34	7.26
		For Schedule 80 Pipe, Add	3.54	
		For Work In Restricted Working Space, Add	4.36	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	25.99	8.48
		For Schedule 80 Pipe, Add	4.35	
		For Work In Restricted Working Space, Add	5.08	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	30.93	10.05
		For Schedule 80 Pipe, Add	5.18	
		For Work In Restricted Working Space, Add	6.03	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	35.39	11.37
		For Schedule 80 Pipe, Add	8.40	
		For Work In Restricted Working Space, Add	6.83	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	44.50	12.22
		For Schedule 80 Pipe, Add	11.30	
		For Work In Restricted Working Space, Add	7.34	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	62.41	15.13
		For Schedule 80 Pipe, Add	16.55	
		For Work In Restricted Working Space, Add	9.08	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	91.39	24.51
		For Schedule 80 Pipe, Add	25.42	
		For Work In Restricted Working Space, Add	11.26	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	129.95	24.36
		For Schedule 80 Pipe, Add	36.95	
		For Schedule 30 Pipe, Deduct	-21.12	
		For Work In Restricted Working Space, Add	14.62	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	173.66	29.35
		For Schedule 80 Pipe, Add	50.51	
		For Schedule 30 Pipe, Deduct	-28.86	
		For Work In Restricted Working Space, Add	17.61	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	222.98	35.47
		For Schedule 80 Pipe, Add	65.63	
		For Schedule 30 Pipe, Deduct	-37.50	
		For Work In Restricted Working Space, Add	21.28	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	213.42	37.40
		For Schedule 80 Pipe, Add	61.61	
		For Schedule 30 Pipe, Deduct	-35.21	
		For Schedule 20 Pipe, Deduct	-63.48	
		For Work In Restricted Working Space, Add	22.44	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	235.41	40.23
		For Schedule 80 Pipe, Add	68.31	
		For Schedule 30 Pipe, Deduct	-39.04	
		For Schedule 20 Pipe, Deduct	-70.33	
		For Work In Restricted Working Space, Add	24.14	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	301.80	43.51
		For Schedule 80 Pipe, Add	90.40	
		For Schedule 30 Pipe, Deduct	-51.66	
		For Schedule 20 Pipe, Deduct	-92.58	
		For Work In Restricted Working Space, Add	26.11	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	356.42	52.13
		For Schedule 80 Pipe, Add	106.50	
		For Work In Restricted Working Space, Add	31.28	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	445.65	59.95
		For Schedule 80 Pipe, Add	135.00	
		For Work In Restricted Working Space, Add	35.97	

23 21 13 23-0412 Welded Plain End (A-106) Seamless Carbon Steel Piping (23 21 13 23-0393)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0413	LF	1/4"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	11.95 2.03 2.93	3.39
23 21 13 23-0414	LF	1/2"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	12.14 2.22 2.87	3.75
23 21 13 23-0415	LF	3/4"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	15.35 2.90 3.55	4.85
23 21 13 23-0416	LF	1"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	18.84 3.63 4.31	6.05
23 21 13 23-0417	LF	1-1/4"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	23.76 4.36 5.59	7.26
23 21 13 23-0418	LF	1-1/2"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	27.73 5.08 6.53	8.48
23 21 13 23-0419	LF	2"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	32.96 6.03 7.77	10.05
23 21 13 23-0420	LF	2-1/2"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	43.34 6.83 14.94	11.37
23 21 13 23-0421	LF	3"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	49.64 7.34 17.77	12.22
23 21 13 23-0422	LF	4"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	61.69 9.08 22.14	15.13
23 21 13 23-0423	LF	6"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	96.06 11.26 38.41	24.57
23 21 13 23-0424	LF	8"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	136.83 14.62 56.65	24.36
23 21 13 23-0425	LF	10"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	184.35 17.61 79.17	29.35
23 21 13 23-0426	LF	12"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	224.78 21.28 96.79	35.47
23 21 13 23-0427	LF	14"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	263.99 22.44 117.17	37.40
23 21 13 23-0428	LF	16"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	304.99 24.14 137.81	40.23
23 21 13 23-0429	LF	18"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	370.30 26.11 171.69	43.51
23 21 13 23-0430	LF	20"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	446.26 31.28 207.16	52.13
23 21 13 23-0431	LF	24"	Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... For Work In Restricted Working Space, Add For Schedule 80 (A-106) Carbon Steel Pipe, Add	562.97 35.97 266.11	59.95
23 21 13 23-0432	Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)				
23 21 13 23-0433	EA	3/4"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	125.81 26.44 32.30	71.85
23 21 13 23-0434	EA	1"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	131.46 27.54 33.99	75.59
23 21 13 23-0435	EA	1-1/4"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	147.31 30.63 38.75	86.12
23 21 13 23-0436	EA	1-1/2"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	157.51 32.62 41.81	92.92
23 21 13 23-0437	EA	2"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	199.43 40.79 54.38	120.91
23 21 13 23-0438	EA	2-1/2"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	250.79 51.45 67.98	151.17
23 21 13 23-0439	EA	3"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	274.19 56.50 73.58	163.65
23 21 13 23-0440	EA	4"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	471.76 97.01 127.18	282.76
23 21 13 23-0441	EA	6"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	817.28 171.72 209.90	466.63
23 21 13 23-0442	EA	8"	Standard Weight, Welded Plain End Black Steel 90 Degree Elbow..... For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,138.96 245.01 276.21	614.07

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 21 13 23-0443	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,452.98		701.90
		For Schedule 80 Or Extra Heavy Fittings, Add	325.41		
		For Work In Restricted Working Space, Add	315.68		
23 21 13 23-0444	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,957.84		918.34
		For Schedule 80 Or Extra Heavy Fittings, Add	442.79		
		For Work In Restricted Working Space, Add	413.03		
23 21 13 23-0445	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,413.91		1,085.48
		For Schedule 80 Or Extra Heavy Fittings, Add	553.29		
		For Work In Restricted Working Space, Add	488.23		
23 21 13 23-0446	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,976.87		1,267.58
		For Schedule 80 Or Extra Heavy Fittings, Add	693.52		
		For Work In Restricted Working Space, Add	570.11		
23 21 13 23-0447	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,504.55		1,413.43
		For Schedule 80 Or Extra Heavy Fittings, Add	828.87		
		For Work In Restricted Working Space, Add	635.71		
23 21 13 23-0448	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,412.47		1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	1,074.26		
		For Work In Restricted Working Space, Add	712.81		
23 21 13 23-0449	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,116.66		1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	1,277.20		
		For Work In Restricted Working Space, Add	736.58		
23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)					
23 21 13 23-0451	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	621.47		283.25
		For Schedule 80 Or Extra Heavy Fittings, Add	141.85		
		For Work In Restricted Working Space, Add	127.42		
23 21 13 23-0452	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,076.54		461.30
		For Schedule 80 Or Extra Heavy Fittings, Add	250.33		
		For Work In Restricted Working Space, Add	207.51		
23 21 13 23-0453	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,142.52		461.30
		For Schedule 80 Or Extra Heavy Fittings, Add	270.13		
		For Work In Restricted Working Space, Add	207.51		
23 21 13 23-0454	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,732.53		614.07
		For Schedule 80 Or Extra Heavy Fittings, Add	423.08		
		For Work In Restricted Working Space, Add	276.21		
23 21 13 23-0455	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,889.86		614.07
		For Schedule 80 Or Extra Heavy Fittings, Add	470.28		
		For Work In Restricted Working Space, Add	276.21		
23 21 13 23-0456	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,349.89		701.90
		For Schedule 80 Or Extra Heavy Fittings, Add	594.48		
		For Work In Restricted Working Space, Add	315.68		
23 21 13 23-0457	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,349.89		701.90
		For Schedule 80 Or Extra Heavy Fittings, Add	594.48		
		For Work In Restricted Working Space, Add	315.68		
23 21 13 23-0458	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,812.25		935.79
		For Schedule 80 Or Extra Heavy Fittings, Add	996.36		
		For Work In Restricted Working Space, Add	420.90		
23 21 13 23-0459	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,812.25		935.79
		For Schedule 80 Or Extra Heavy Fittings, Add	996.36		
		For Work In Restricted Working Space, Add	420.90		
23 21 13 23-0460	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,240.20		935.79
		For Schedule 80 Or Extra Heavy Fittings, Add	1,124.75		
		For Work In Restricted Working Space, Add	420.90		
23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)					
23 21 13 23-0462	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	117.30		68.63
		For Schedule 80 Or Extra Heavy Fittings, Add	24.39		
		For Work In Restricted Working Space, Add	30.87		
23 21 13 23-0463	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	120.93		71.05
		For Schedule 80 Or Extra Heavy Fittings, Add	25.09		
		For Work In Restricted Working Space, Add	31.96		
23 21 13 23-0464	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	136.67		81.59
		For Schedule 80 Or Extra Heavy Fittings, Add	28.16		
		For Work In Restricted Working Space, Add	36.68		
23 21 13 23-0465	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	146.35		88.00
		For Schedule 80 Or Extra Heavy Fittings, Add	30.05		
		For Work In Restricted Working Space, Add	39.58		
23 21 13 23-0466	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	185.09		113.78
		For Schedule 80 Or Extra Heavy Fittings, Add	37.61		
		For Work In Restricted Working Space, Add	51.20		
23 21 13 23-0467	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	231.02		142.96
		For Schedule 80 Or Extra Heavy Fittings, Add	46.81		
		For Work In Restricted Working Space, Add	64.28		
23 21 13 23-0468	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	266.35		163.53
		For Schedule 80 Or Extra Heavy Fittings, Add	54.16		
		For Work In Restricted Working Space, Add	73.57		
23 21 13 23-0469	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	458.75		282.64
		For Schedule 80 Or Extra Heavy Fittings, Add	93.12		
		For Work In Restricted Working Space, Add	127.15		
23 21 13 23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	784.74		466.14
		For Schedule 80 Or Extra Heavy Fittings, Add	162.04		
		For Work In Restricted Working Space, Add	209.66		
23 21 13 23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,080.07		614.07
		For Schedule 80 Or Extra Heavy Fittings, Add	227.35		
		For Work In Restricted Working Space, Add	276.21		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0472	EA		10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,344.85 292.97 315.68	701.90
23 21 13 23-0473	EA		12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,798.48 395.25 412.26	916.64
23 21 13 23-0474	EA		14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,203.84 490.05 488.88	1,086.95
23 21 13 23-0475	EA		16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,684.41 605.99 569.52	1,266.22
23 21 13 23-0476	EA		18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,128.23 716.23 634.98	1,411.73
23 21 13 23-0477	EA		20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,862.94 909.40 712.81	1,584.77
23 21 13 23-0478	EA		24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,398.47 1,061.74 736.58	1,637.68
23 21 13 23-0479 Welded Plain End Black Steel Tee (23 21 13 23-0393)					
23 21 13 23-0480	EA		3/4" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	237.19 50.82 58.10	129.15
23 21 13 23-0481	EA		1" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	237.12 50.81 58.08	129.15
23 21 13 23-0482	EA		1-1/4" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	267.82 57.73 64.61	143.68
23 21 13 23-0483	EA		1-1/2" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	294.53 62.94 72.63	161.47
23 21 13 23-0484	EA		2" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	369.59 76.94 96.96	215.58
23 21 13 23-0485	EA		2-1/2" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	420.77 88.10 108.95	242.21
23 21 13 23-0486	EA		3" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	504.39 105.05 132.18	294.13
23 21 13 23-0487	EA		4" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	725.82 150.85 191.12	424.99
23 21 13 23-0488	EA		6" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,214.09 253.77 315.77	702.06
23 21 13 23-0489	EA		8" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,702.07 363.31 420.90	935.79
23 21 13 23-0490	EA		10" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,138.28 469.62 491.05	1,091.72
23 21 13 23-0491	EA		12" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,867.15 639.17 631.35	1,403.68
23 21 13 23-0492	EA		14" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,681.44 846.63 736.58	1,637.68
23 21 13 23-0493	EA		16" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	4,428.68 1,019.24 883.89	1,965.18
23 21 13 23-0494	EA		18" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	5,695.10 1,364.80 982.10	2,183.54
23 21 13 23-0495	EA		20" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	7,421.26 1,839.68 1,104.86	2,456.53
23 21 13 23-0496	EA		24" Standard Weight, Welded Plain End Black Steel Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	8,526.00 2,141.35 1,189.85	2,645.48
23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)					
23 21 13 23-0498	EA		3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	231.13 49.64 56.29	125.16
23 21 13 23-0499	EA		1" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	237.12 50.81 58.08	129.15
23 21 13 23-0500	EA		1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	265.04 56.90 64.61	143.68

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23 21 13 23-0501	EA 1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	291.75	161.47
	For Schedule 80 Or Extra Heavy Fittings, Add	62.11	
	For Work In Restricted Working Space, Add	72.63	
23 21 13 23-0502	EA 2" Standard Weight, Welded Plain End Black Steel Reducing Tee	375.86	215.58
	For Schedule 80 Or Extra Heavy Fittings, Add	78.81	
	For Work In Restricted Working Space, Add	96.99	
23 21 13 23-0503	EA 2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	420.91	242.33
	For Schedule 80 Or Extra Heavy Fittings, Add	88.13	
	For Work In Restricted Working Space, Add	108.98	
23 21 13 23-0504	EA 3" Standard Weight, Welded Plain End Black Steel Reducing Tee	504.68	294.13
	For Schedule 80 Or Extra Heavy Fittings, Add	105.14	
	For Work In Restricted Working Space, Add	132.18	
23 21 13 23-0505	EA 4" Standard Weight, Welded Plain End Black Steel Reducing Tee	726.23	424.99
	For Schedule 80 Or Extra Heavy Fittings, Add	150.98	
	For Work In Restricted Working Space, Add	191.12	
23 21 13 23-0506	EA 6" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,214.80	702.06
	For Schedule 80 Or Extra Heavy Fittings, Add	253.92	
	For Work In Restricted Working Space, Add	315.77	
23 21 13 23-0507	EA 8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,703.42	935.79
	For Schedule 80 Or Extra Heavy Fittings, Add	363.71	
	For Work In Restricted Working Space, Add	420.90	
23 21 13 23-0508	EA 10" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,140.57	1,091.72
	For Schedule 80 Or Extra Heavy Fittings, Add	470.30	
	For Work In Restricted Working Space, Add	491.05	
23 21 13 23-0509	EA 12" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,870.61	1,403.68
	For Schedule 80 Or Extra Heavy Fittings, Add	640.21	
	For Work In Restricted Working Space, Add	631.35	
23 21 13 23-0510	EA 14" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,687.02	1,637.68
	For Schedule 80 Or Extra Heavy Fittings, Add	848.30	
	For Work In Restricted Working Space, Add	736.58	
23 21 13 23-0511	EA 16" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,435.43	1,965.18
	For Schedule 80 Or Extra Heavy Fittings, Add	1,021.27	
	For Work In Restricted Working Space, Add	883.89	
23 21 13 23-0512	EA 18" Standard Weight, Welded Plain End Black Steel Reducing Tee	5,706.13	2,183.54
	For Schedule 80 Or Extra Heavy Fittings, Add	1,368.10	
	For Work In Restricted Working Space, Add	982.10	
23 21 13 23-0513	EA 20" Standard Weight, Welded Plain End Black Steel Reducing Tee	7,528.42	2,456.53
	For Schedule 80 Or Extra Heavy Fittings, Add	1,871.82	
	For Work In Restricted Working Space, Add	1,104.86	
23 21 13 23-0514	EA 24" Standard Weight, Welded Plain End Black Steel Reducing Tee	9,004.65	2,645.48
	For Schedule 80 Or Extra Heavy Fittings, Add	2,284.95	
	For Work In Restricted Working Space, Add	1,189.85	

23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0393)

23 21 13 23-0516	EA 1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	144.60	78.71
	For Schedule 80 Or Extra Heavy Fittings, Add	30.99	
	For Work In Restricted Working Space, Add	35.40	
23 21 13 23-0517	EA 1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	156.09	86.38
	For Schedule 80 Or Extra Heavy Fittings, Add	33.23	
	For Work In Restricted Working Space, Add	38.85	
23 21 13 23-0518	EA 1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	153.08	84.37
	For Schedule 80 Or Extra Heavy Fittings, Add	32.64	
	For Work In Restricted Working Space, Add	37.94	
23 21 13 23-0519	EA 1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	170.02	95.66
	For Schedule 80 Or Extra Heavy Fittings, Add	35.95	
	For Work In Restricted Working Space, Add	43.03	
23 21 13 23-0520	EA 1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	161.54	90.01
	For Schedule 80 Or Extra Heavy Fittings, Add	34.29	
	For Work In Restricted Working Space, Add	40.48	
23 21 13 23-0521	EA 1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	158.53	88.00
	For Schedule 80 Or Extra Heavy Fittings, Add	33.71	
	For Work In Restricted Working Space, Add	39.58	
23 21 13 23-0522	EA 2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	187.36	114.22
	For Schedule 80 Or Extra Heavy Fittings, Add	38.23	
	For Work In Restricted Working Space, Add	51.38	
23 21 13 23-0523	EA 2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	191.90	110.59
	For Schedule 80 Or Extra Heavy Fittings, Add	40.16	
	For Work In Restricted Working Space, Add	49.74	
23 21 13 23-0524	EA 2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	183.42	104.95
	For Schedule 80 Or Extra Heavy Fittings, Add	38.51	
	For Work In Restricted Working Space, Add	47.20	
23 21 13 23-0525	EA 2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	236.53	145.30
	For Schedule 80 Or Extra Heavy Fittings, Add	48.09	
	For Work In Restricted Working Space, Add	65.35	
23 21 13 23-0526	EA 2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	217.36	130.37
	For Schedule 80 Or Extra Heavy Fittings, Add	44.69	
	For Work In Restricted Working Space, Add	58.64	
23 21 13 23-0527	EA 2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	229.63	126.74
	For Schedule 80 Or Extra Heavy Fittings, Add	48.94	
	For Work In Restricted Working Space, Add	57.00	
23 21 13 23-0528	EA 3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	265.00	163.05
	For Schedule 80 Or Extra Heavy Fittings, Add	53.82	
	For Work In Restricted Working Space, Add	73.36	
23 21 13 23-0529	EA 3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	266.45	163.05
	For Schedule 80 Or Extra Heavy Fittings, Add	54.26	
	For Work In Restricted Working Space, Add	73.36	
23 21 13 23-0530	EA 3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	269.51	163.05
	For Schedule 80 Or Extra Heavy Fittings, Add	55.18	
	For Work In Restricted Working Space, Add	73.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0531	EA		4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	451.47 90.84 127.42	283.25
23 21 13 23-0532	EA		4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	452.92 91.28 127.42	283.25
23 21 13 23-0533	EA		4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	457.27 92.58 127.42	283.25
23 21 13 23-0534	EA		6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	746.78 151.41 207.51	461.30
23 21 13 23-0535	EA		6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	778.03 160.78 207.51	461.30
23 21 13 23-0536	EA		8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,122.82 226.33 315.77	702.06
23 21 13 23-0537	EA		8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,180.97 243.77 315.77	702.06
23 21 13 23-0538	EA		10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,302.43 263.63 363.14	807.37
23 21 13 23-0539	EA		10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,372.35 284.61 363.14	807.37
23 21 13 23-0540	EA		10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	1,464.33 312.20 -81.24 363.14	807.37
23 21 13 23-0541	EA		12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,543.86 316.12 420.10	933.98
23 21 13 23-0542	EA		12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,625.53 340.62 420.10	933.98
23 21 13 23-0543	EA		12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	1,763.59 382.04 -116.24 420.10	933.98
23 21 13 23-0544	EA		12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	1,541.54 315.43 -45.19 420.10	933.98
23 21 13 23-0545	EA		14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,888.76 394.76 491.05	1,091.72
23 21 13 23-0546	EA		14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	1,931.77 407.66 491.05	1,091.72
23 21 13 23-0547	EA		14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,360.58 536.31 491.05	1,091.72
23 21 13 23-0548	EA		16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,226.75 474.67 552.43	1,228.26
23 21 13 23-0549	EA		16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,353.37 512.66 552.43	1,228.26
23 21 13 23-0550	EA		16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	2,402.66 527.45 -179.59 552.43	1,228.26
23 21 13 23-0551	EA		16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,957.94 694.03 552.43	1,228.26
23 21 13 23-0552	EA		16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,234.25 776.92 552.43	1,228.26
23 21 13 23-0553	EA		18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,798.62 618.61 631.35	1,403.68
23 21 13 23-0554	EA		18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	2,228.96 447.72 -39.83 631.35	1,403.68
23 21 13 23-0555	EA		18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Concentric Reducers, Deduct For Work In Restricted Working Space, Add	2,865.15 638.57 -243.41 631.35	1,403.68
23 21 13 23-0556	EA		18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	2,963.25 668.00 631.35	1,403.68
23 21 13 23-0557	EA		18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,792.61 916.81 631.35	1,403.68

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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23 21 13 23-0558	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,247.85	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	724.87	
		For Concentric Reducers, Deduct	-278.98	
		For Work In Restricted Working Space, Add	712.81	
23 21 13 23-0559	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,245.60	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	724.20	
		For Concentric Reducers, Deduct	-278.26	
		For Work In Restricted Working Space, Add	712.81	
23 21 13 23-0560	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,342.78	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	1,053.35	
		For Concentric Reducers, Deduct	-629.36	
		For Work In Restricted Working Space, Add	712.81	
23 21 13 23-0561	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,782.86	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	1,185.37	
		For Work In Restricted Working Space, Add	712.81	
23 21 13 23-0562	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,443.01	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	1,383.42	
		For Work In Restricted Working Space, Add	712.81	
23 21 13 23-0563	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,598.34	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	821.70	
		For Concentric Reducers, Deduct	-365.79	
		For Work In Restricted Working Space, Add	736.58	
23 21 13 23-0564	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,731.35	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	861.60	
		For Concentric Reducers, Deduct	-408.35	
		For Work In Restricted Working Space, Add	736.58	
23 21 13 23-0565	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,349.33	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	1,047.00	
		For Concentric Reducers, Deduct	-606.11	
		For Work In Restricted Working Space, Add	736.58	
23 21 13 23-0566	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,499.34	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	1,392.00	
		For Work In Restricted Working Space, Add	736.58	
23 21 13 23-0567	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,361.65	1,637.68
		For Schedule 80 Or Extra Heavy Fittings, Add	1,650.69	
		For Work In Restricted Working Space, Add	736.58	

23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers (23 21 13 23-0393)

23 21 13 23-0569	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	137.63	78.71
		For Schedule 80 Or Extra Heavy Fittings, Add	28.90	
		For Work In Restricted Working Space, Add	35.40	
23 21 13 23-0570	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	149.12	86.38
		For Schedule 80 Or Extra Heavy Fittings, Add	31.14	
		For Work In Restricted Working Space, Add	38.85	
23 21 13 23-0571	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	146.11	84.37
		For Schedule 80 Or Extra Heavy Fittings, Add	30.55	
		For Work In Restricted Working Space, Add	37.94	
23 21 13 23-0572	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	163.05	95.66
		For Schedule 80 Or Extra Heavy Fittings, Add	33.86	
		For Work In Restricted Working Space, Add	43.03	
23 21 13 23-0573	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	154.57	90.01
		For Schedule 80 Or Extra Heavy Fittings, Add	32.20	
		For Work In Restricted Working Space, Add	40.48	
23 21 13 23-0574	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	151.56	88.00
		For Schedule 80 Or Extra Heavy Fittings, Add	31.62	
		For Work In Restricted Working Space, Add	39.58	
23 21 13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	183.81	114.22
		For Schedule 80 Or Extra Heavy Fittings, Add	37.16	
		For Work In Restricted Working Space, Add	51.38	
23 21 13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	178.37	110.59
		For Schedule 80 Or Extra Heavy Fittings, Add	36.10	
		For Work In Restricted Working Space, Add	49.74	
23 21 13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	174.73	104.95
		For Schedule 80 Or Extra Heavy Fittings, Add	35.90	
		For Work In Restricted Working Space, Add	47.20	
23 21 13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	233.95	145.30
		For Schedule 80 Or Extra Heavy Fittings, Add	47.31	
		For Work In Restricted Working Space, Add	65.35	
23 21 13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	215.91	130.37
		For Schedule 80 Or Extra Heavy Fittings, Add	44.25	
		For Work In Restricted Working Space, Add	58.64	
23 21 13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	217.38	126.74
		For Schedule 80 Or Extra Heavy Fittings, Add	45.26	
		For Work In Restricted Working Space, Add	57.00	
23 21 13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	257.59	163.05
		For Schedule 80 Or Extra Heavy Fittings, Add	51.60	
		For Work In Restricted Working Space, Add	73.36	
23 21 13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	258.56	163.05
		For Schedule 80 Or Extra Heavy Fittings, Add	51.89	
		For Work In Restricted Working Space, Add	73.36	
23 21 13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	260.65	163.05
		For Schedule 80 Or Extra Heavy Fittings, Add	52.52	
		For Work In Restricted Working Space, Add	73.36	
23 21 13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	441.48	283.25
		For Schedule 80 Or Extra Heavy Fittings, Add	87.85	
		For Work In Restricted Working Space, Add	127.42	
23 21 13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	445.19	283.25
		For Schedule 80 Or Extra Heavy Fittings, Add	88.96	
		For Work In Restricted Working Space, Add	127.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	445.19	283.25
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	88.96	
		For Work In Restricted Working Space, Add	.....	127.42	
23 21 13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	726.81	461.30
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	145.42	
		For Work In Restricted Working Space, Add	.....	207.51	
23 21 13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	734.22	461.30
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	147.64	
		For Work In Restricted Working Space, Add	.....	207.51	
23 21 13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	1,098.65	702.06
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	219.07	
		For Work In Restricted Working Space, Add	.....	315.77	
23 21 13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	1,111.86	702.06
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	223.04	
		For Work In Restricted Working Space, Add	.....	315.77	
23 21 13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	1,299.86	807.37
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	262.86	
		For Work In Restricted Working Space, Add	.....	363.14	
23 21 13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	1,294.38	807.37
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	261.22	
		For Work In Restricted Working Space, Add	.....	363.14	
23 21 13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	1,363.33	807.37
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	281.90	
		For Work In Restricted Working Space, Add	.....	363.14	
23 21 13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	1,510.84	933.98
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	306.22	
		For Work In Restricted Working Space, Add	.....	420.10	
23 21 13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	1,527.39	933.98
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	311.18	
		For Work In Restricted Working Space, Add	.....	420.10	
23 21 13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	1,533.39	933.98
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	312.98	
		For Work In Restricted Working Space, Add	.....	420.10	
23 21 13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	1,709.14	933.98
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	365.71	
		For Work In Restricted Working Space, Add	.....	420.10	
23 21 13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	1,803.06	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	369.05	
		For Work In Restricted Working Space, Add	.....	491.05	
23 21 13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	1,864.44	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	387.47	
		For Work In Restricted Working Space, Add	.....	491.05	
23 21 13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	1,917.76	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	403.46	
		For Work In Restricted Working Space, Add	.....	491.05	
23 21 13 23-0601	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,123.83	1,091.72
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	465.28	
		For Work In Restricted Working Space, Add	.....	491.05	
23 21 13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,132.35	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	446.35	
		For Work In Restricted Working Space, Add	.....	552.43	
23 21 13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,132.35	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	446.35	
		For Work In Restricted Working Space, Add	.....	552.43	
23 21 13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,162.96	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	455.54	
		For Work In Restricted Working Space, Add	.....	552.43	
23 21 13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,264.61	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	486.03	
		For Work In Restricted Working Space, Add	.....	552.43	
23 21 13 23-0606	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,685.57	1,228.26
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	612.32	
		For Work In Restricted Working Space, Add	.....	552.43	
23 21 13 23-0607	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,422.32	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	505.72	
		For Work In Restricted Working Space, Add	.....	631.35	
23 21 13 23-0608	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,500.77	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	529.26	
		For Work In Restricted Working Space, Add	.....	631.35	
23 21 13 23-0609	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,533.63	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	539.12	
		For Work In Restricted Working Space, Add	.....	631.35	
23 21 13 23-0610	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,623.03	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	565.94	
		For Work In Restricted Working Space, Add	.....	631.35	
23 21 13 23-0611	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	3,650.43	1,403.68
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	874.16	
		For Work In Restricted Working Space, Add	.....	631.35	
23 21 13 23-0612	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,921.48	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	626.96	
		For Work In Restricted Working Space, Add	.....	712.81	
23 21 13 23-0613	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,921.48	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	626.96	
		For Work In Restricted Working Space, Add	.....	712.81	
23 21 13 23-0614	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	2,943.87	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	633.68	
		For Work In Restricted Working Space, Add	.....	712.81	
23 21 13 23-0615	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	.....	3,076.45	1,584.77
		For Schedule 80 Or Extra Heavy Fittings, Add	.....	673.45	
		For Work In Restricted Working Space, Add	.....	712.81	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 21 13 23-0616	EA 20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,307.12 742.65 712.81		1,584.77	
23 21 13 23-0617	EA 24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,072.22 663.86 736.58		1,637.68	
23 21 13 23-0618	EA 24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,086.23 668.07 736.58		1,637.68	
23 21 13 23-0619	EA 24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,113.62 676.28 736.58		1,637.68	
23 21 13 23-0620	EA 24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,747.67 866.50 736.58		1,637.68	
23 21 13 23-0621	EA 24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add	3,872.83 904.05 736.58		1,637.68	
23 21 13 23-0622 Welded Plain End Black Steel Caps (23 21 13 23-0393)					
23 21 13 23-0623	EA 1" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	69.74 13.36 18.16		40.43	
23 21 13 23-0624	EA 1-1/4" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	76.37 14.59 19.97		44.43	
23 21 13 23-0625	EA 1-1/2" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	79.37 15.19 20.70		46.00	
23 21 13 23-0626	EA 2" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	99.27 18.73 26.51		58.95	
23 21 13 23-0627	EA 2-1/2" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	117.94 22.07 31.96		71.05	
23 21 13 23-0628	EA 3" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	137.87 26.00 36.87		81.94	
23 21 13 23-0629	EA 4" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	232.30 43.15 63.71		141.62	
23 21 13 23-0630	EA 6" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	388.71 72.76 105.26		233.98	
23 21 13 23-0631	EA 8" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	548.57 103.10 147.53		328.03	
23 21 13 23-0632	EA 10" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	720.44 138.54 186.22		414.10	
23 21 13 23-0633	EA 12" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	809.83 157.30 205.55		457.02	
23 21 13 23-0634	EA 14" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	1,052.74 213.52 245.53		545.86	
23 21 13 23-0635	EA 16" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	1,222.60 247.98 285.13		633.90	
23 21 13 23-0636	EA 18" Standard Weight, Welded Plain End Black Steel Cap For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add	1,365.29 278.06 315.68		701.90	
23 21 13 23-0637 150 Lb., Welded Plain End Black Steel Neck Flanges (23 21 13 23-0393)					
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.					
23 21 13 23-0638	EA 2", 150 Lb., Welded Plain End Black Steel Neck Flange For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	175.65 41.54 41.05		91.27	
23 21 13 23-0639	EA 2-1/2", 150 Lb., Welded Plain End Black Steel Neck Flange For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	209.55 45.09 51.22		113.90	
23 21 13 23-0640	EA 3", 150 Lb., Welded Plain End Black Steel Neck Flange For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	234.09 47.70 58.57		130.25	
23 21 13 23-0641	EA 4", 150 Lb., Welded Plain End Black Steel Neck Flange For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	307.04 61.69 77.26		171.76	
23 21 13 23-0642	EA 6", 150 Lb., Welded Plain End Black Steel Neck Flange For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	466.63 94.31 117.14		260.49	
23 21 13 23-0643	EA 8", 150 Lb., Welded Plain End Black Steel Neck Flange For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	517.42 125.29 119.45		265.62	
23 21 13 23-0644	EA 10", 150 Lb., Welded Plain End Black Steel Neck Flange For 300 Lb. Rating, Add For Work In Restricted Working Space, Add	673.65 174.42 149.81		333.04	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0645	EA	12" , 150 Lb., Welded Plain End Black Steel Neck Flange	820.70	377.92
		For 300 Lb. Rating, Add	237.37	
		For Work In Restricted Working Space, Add	169.98	
23 21 13 23-0646	EA	14" , 150 Lb., Welded Plain End Black Steel Neck Flange	1,070.93	457.02
		For 300 Lb. Rating, Add	341.97	
		For Work In Restricted Working Space, Add	205.55	
23 21 13 23-0647	EA	16" , 150 Lb., Welded Plain End Black Steel Neck Flange	1,398.98	531.12
		For 300 Lb. Rating, Add	505.49	
		For Work In Restricted Working Space, Add	238.89	
23 21 13 23-0648	EA	18" , 150 Lb., Welded Plain End Black Steel Neck Flange	1,729.52	595.49
		For 300 Lb. Rating, Add	679.44	
		For Work In Restricted Working Space, Add	267.85	
23 21 13 23-0649	EA	20" , 150 Lb., Welded Plain End Black Steel Neck Flange	2,192.91	755.84
		For 300 Lb. Rating, Add	860.79	
		For Work In Restricted Working Space, Add	339.96	
23 21 13 23-0650	EA	24" , 150 Lb., Welded Plain End Black Steel Neck Flange	2,486.01	818.84
		For 300 Lb. Rating, Add	1,009.77	
		For Work In Restricted Working Space, Add	368.29	
23 21 13 23-0651 150 Lb., Welded Black Steel Slip-On Flanges (23 21 13 23-0393)				
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.				
23 21 13 23-0652	EA	2", 150 Lb., Welded Black Steel Slip-On Flanges	128.00	91.27
		For 300 Lb. Rating, Add	28.59	
		For Work In Restricted Working Space, Add	32.68	
23 21 13 23-0653	EA	2-1/2", 150 Lb., Welded Black Steel Slip-On Flange	157.63	113.90
		For 300 Lb. Rating, Add	36.01	
		For Work In Restricted Working Space, Add	39.95	
23 21 13 23-0654	EA	3", 150 Lb., Welded Black Steel Slip-On Flange	186.17	130.25
		For 300 Lb. Rating, Add	42.45	
		For Work In Restricted Working Space, Add	47.21	
23 21 13 23-0655	EA	4", 150 Lb., Welded Black Steel Slip-On Flange	245.07	171.76
		For 300 Lb. Rating, Add	56.98	
		For Work In Restricted Working Space, Add	61.73	
23 21 13 23-0656	EA	6", 150 Lb., Welded Black Steel Slip-On Flange	363.09	260.49
		For 300 Lb. Rating, Add	86.21	
		For Work In Restricted Working Space, Add	90.78	
23 21 13 23-0657	EA	8", 150 Lb., Welded Black Steel Slip-On Flange	454.64	265.62
		For 300 Lb. Rating, Add	120.89	
		For Work In Restricted Working Space, Add	108.79	
23 21 13 23-0658	EA	10", 150 Lb., Welded Black Steel Slip-On Flange	612.14	333.04
		For 300 Lb. Rating, Add	190.57	
		For Work In Restricted Working Space, Add	135.98	
23 21 13 23-0659	EA	12", 150 Lb., Welded Black Steel Slip-On Flange	794.57	377.92
		For 300 Lb. Rating, Add	282.69	
		For Work In Restricted Working Space, Add	163.18	
23 21 13 23-0660	EA	14", 150 Lb., Welded Black Steel Slip-On Flange	1,000.79	457.02
		For 300 Lb. Rating, Add	396.21	
		For Work In Restricted Working Space, Add	190.38	
23 21 13 23-0661	EA	16", 150 Lb., Welded Black Steel Slip-On Flange	1,195.63	531.12
		For 300 Lb. Rating, Add	517.52	
		For Work In Restricted Working Space, Add	210.77	
23 21 13 23-0662	EA	18", 150 Lb., Welded Black Steel Slip-On Flange	1,323.40	595.49
		For 300 Lb. Rating, Add	578.46	
		For Work In Restricted Working Space, Add	231.17	
23 21 13 23-0663	EA	20", 150 Lb., Welded Black Steel Slip-On Flange	1,466.93	755.84
		For 300 Lb. Rating, Add	653.58	
		For Work In Restricted Working Space, Add	251.57	
23 21 13 23-0664	EA	24", 150 Lb., Welded Black Steel Slip-On Flange	1,680.58	818.84
		For 300 Lb. Rating, Add	737.76	
		For Work In Restricted Working Space, Add	292.36	
23 21 13 23-0665 150 Lb., Forged Steel Blind Flanges (23 21 13 23-0393)				
23 21 13 23-0666	EA	2", 150 Lb., Forged Steel Blind Flange	86.78	32.44
		For 300 Lb. Rating, Add	24.33	
		For 600 Lb. Rating, Add	62.29	
		For Work In Restricted Working Space, Add	19.46	
23 21 13 23-0667	EA	2-1/2", 150 Lb., Forged Steel Blind Flange	113.37	38.93
		For 300 Lb. Rating, Add	36.58	
		For 600 Lb. Rating, Add	96.90	
		For Work In Restricted Working Space, Add	23.36	
23 21 13 23-0668	EA	3", 150 Lb., Forged Steel Blind Flange	140.55	51.91
		For 300 Lb. Rating, Add	40.29	
		For 600 Lb. Rating, Add	103.75	
		For Work In Restricted Working Space, Add	31.14	
23 21 13 23-0669	EA	4", 150 Lb., Forged Steel Blind Flange	180.40	64.88
		For 300 Lb. Rating, Add	54.13	
		For 600 Lb. Rating, Add	140.98	
		For Work In Restricted Working Space, Add	38.93	
23 21 13 23-0670	EA	6", 150 Lb., Forged Steel Blind Flange	245.42	84.35
		For 300 Lb. Rating, Add	79.10	
		For 600 Lb. Rating, Add	209.46	
		For Work In Restricted Working Space, Add	50.61	
23 21 13 23-0671	EA	8", 150 Lb., Forged Steel Blind Flange	316.36	97.32
		For 300 Lb. Rating, Add	117.81	
		For 600 Lb. Rating, Add	321.30	
		For Work In Restricted Working Space, Add	58.40	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-0672	EA	10", 150 Lb., Forged Steel Blind Flange	471.25		116.78
		For 300 Lb. Rating, Add	214.66		
		For 600 Lb. Rating, Add	605.45		
		For Work In Restricted Working Space, Add	70.07		
23 21 13 23-0673	EA	12", 150 Lb., Forged Steel Blind Flange	608.90		136.25
		For 300 Lb. Rating, Add	297.73		
		For 600 Lb. Rating, Add	848.21		
		For Work In Restricted Working Space, Add	81.75		
23 21 13 23-0674	EA	14", 150 Lb., Forged Steel Blind Flange	1,004.04		155.72
		For 300 Lb. Rating, Add	586.79		
		For Work In Restricted Working Space, Add	93.43		
23 21 13 23-0675	EA	16", 150 Lb., Forged Steel Blind Flange	1,080.41		175.18
		For 300 Lb. Rating, Add	620.83		
		For Work In Restricted Working Space, Add	105.11		
23 21 13 23-0676	EA	18", 150 Lb., Forged Steel Blind Flange	1,221.16		214.11
		For 300 Lb. Rating, Add	679.31		
		For Work In Restricted Working Space, Add	128.47		
23 21 13 23-0677	EA	20", 150 Lb., Forged Steel Blind Flange	1,552.82		233.58
		For 300 Lb. Rating, Add	917.58		
		For Work In Restricted Working Space, Add	140.15		
23 21 13 23-0678	EA	24", 150 Lb., Forged Steel Blind Flange	2,099.31		272.51
		For 300 Lb. Rating, Add	1,300.67		
		For Work In Restricted Working Space, Add	163.50		
23 21 13 23-0679 3,000 Lb., Forge Steel Thread-O-Lets (23 21 13 23-0393)					
23 21 13 23-0680	EA	1/2", 3,000 Lb., Forge Steel Thread-O-Let	83.17		
		For Work In Restricted Working Space, Add	22.88		
23 21 13 23-0681	EA	3/4", 3,000 Lb., Forge Steel Thread-O-Let	88.00		
		For Work In Restricted Working Space, Add	23.97		
23 21 13 23-0682	EA	1", 3,000 Lb., Forge Steel Thread-O-Let	93.83		
		For Work In Restricted Working Space, Add	25.42		
23 21 13 23-0683	EA	1-1/4", 3,000 Lb., Forge Steel Thread-O-Let	103.69		
		For Work In Restricted Working Space, Add	27.24		
23 21 13 23-0684	EA	1-1/2", 3,000 Lb., Forge Steel Thread-O-Let	116.44		
		For Work In Restricted Working Space, Add	30.87		
23 21 13 23-0685	EA	2", 3,000 Lb., Forge Steel Thread-O-Let	150.62		
		For Work In Restricted Working Space, Add	40.35		
23 21 13 23-0686	EA	2-1/2", 3,000 Lb., Forge Steel Thread-O-Let	231.47		
		For Work In Restricted Working Space, Add	51.88		
23 21 13 23-0687	EA	3", 3,000 Lb., Forge Steel Thread-O-Let	319.54		
		For Work In Restricted Working Space, Add	72.63		
23 21 13 23-0688	EA	4", 3,000 Lb., Forge Steel Thread-O-Let	423.65		
		For Work In Restricted Working Space, Add	90.78		
23 21 13 23-0689 3,000 Lb., Forge Steel Weld-O-Lets (23 21 13 23-0393)					
23 21 13 23-0690	EA	1/2", 3,000 Lb., Forge Steel Weld-O-Let	96.39		
		For Work In Restricted Working Space, Add	26.40		
23 21 13 23-0691	EA	3/4", 3,000 Lb., Forge Steel Weld-O-Let	102.09		
		For Work In Restricted Working Space, Add	27.67		
23 21 13 23-0692	EA	1", 3,000 Lb., Forge Steel Weld-O-Let	107.89		
		For Work In Restricted Working Space, Add	29.05		
23 21 13 23-0693	EA	1-1/4", 3,000 Lb., Forge Steel Weld-O-Let	123.28		
		For Work In Restricted Working Space, Add	32.28		
23 21 13 23-0694	EA	1-1/2", 3,000 Lb., Forge Steel Weld-O-Let	137.49		
		For Work In Restricted Working Space, Add	36.31		
23 21 13 23-0695	EA	2", 3,000 Lb., Forge Steel Weld-O-Let	183.55		
		For Work In Restricted Working Space, Add	48.41		
23 21 13 23-0696	EA	2-1/2", 3,000 Lb., Forge Steel Weld-O-Let	264.79		
		For Work In Restricted Working Space, Add	58.10		
23 21 13 23-0697	EA	3", 3,000 Lb., Forge Steel Weld-O-Let	348.28		
		For Work In Restricted Working Space, Add	76.26		
23 21 13 23-0698	EA	4", 3,000 Lb., Forge Steel Weld-O-Let	469.87		
		For Work In Restricted Working Space, Add	96.85		
23 21 13 23-0699	EA	6", 3,000 Lb., Forge Steel Weld-O-Let	679.21		
		For Work In Restricted Working Space, Add	145.25		
23 21 13 23-0700	EA	8", 3,000 Lb., Forge Steel Weld-O-Let	1,014.56		
		For Work In Restricted Working Space, Add	193.66		
23 21 13 23-0701	EA	10", 3,000 Lb., Forge Steel Weld-O-Let	1,269.58		
		For Work In Restricted Working Space, Add	223.47		
23 21 13 23-0702	EA	12", 3,000 Lb., Forge Steel Weld-O-Let	1,876.92		
		For Work In Restricted Working Space, Add	264.11		
23 21 13 23-0703 3,000 Lb., Forge Steel Sock-O-Lets (23 21 13 23-0393)					
23 21 13 23-0704	EA	1/2", 3,000 Lb., Forge Steel Sock-O-Let	113.76		
		For Work In Restricted Working Space, Add	31.56		
23 21 13 23-0705	EA	3/4", 3,000 Lb., Forge Steel Sock-O-Let	120.33		
		For Work In Restricted Working Space, Add	33.08		
23 21 13 23-0706	EA	1", 3,000 Lb., Forge Steel Sock-O-Let	128.21		
		For Work In Restricted Working Space, Add	35.08		
23 21 13 23-0707	EA	1-1/4", 3,000 Lb., Forge Steel Sock-O-Let	141.28		
		For Work In Restricted Working Space, Add	37.58		
23 21 13 23-0708	EA	1-1/2", 3,000 Lb., Forge Steel Sock-O-Let	158.79		
		For Work In Restricted Working Space, Add	42.60		
23 21 13 23-0709	EA	2", 3,000 Lb., Forge Steel Sock-O-Let	206.55		
		For Work In Restricted Working Space, Add	55.67		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0710	EA		2-1/2", 3,000 Lb., Forge Steel Sock-O-Let.....	311.17	
			For Work In Restricted Working Space, Add	71.57	
23 21 13 23-0711	EA		3", 3,000 Lb., Forge Steel Sock-O-Let.....	430.12	
			For Work In Restricted Working Space, Add	100.22	
23 21 13 23-0712	EA		4", 3,000 Lb., Forge Steel Sock-O-Let.....	567.71	
			For Work In Restricted Working Space, Add	125.28	
23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)					
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.					
23 21 13 23-0714	EA		3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	13.83	
			Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	3.87	
			For Hot Dip Galvanized, Add	5.53	
			For Advanced Fluoropolymer (Blue Coating), Add	9.68	
23 21 13 23-0715	EA		2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	17.51	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	4.90	
			For Hot Dip Galvanized, Add	7.00	
			For Advanced Fluoropolymer (Blue Coating), Add	12.26	
23 21 13 23-0716	EA		2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	17.72	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	4.96	
			For Hot Dip Galvanized, Add	7.09	
			For Advanced Fluoropolymer (Blue Coating), Add	12.40	
23 21 13 23-0717	EA		3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	17.82	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	4.99	
			For Hot Dip Galvanized, Add	7.13	
			For Advanced Fluoropolymer (Blue Coating), Add	12.47	
23 21 13 23-0718	EA		4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	41.23	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	11.54	
			For Hot Dip Galvanized, Add	16.49	
			For Advanced Fluoropolymer (Blue Coating), Add	28.86	
23 21 13 23-0719	EA		5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	56.32	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	15.77	
			For Hot Dip Galvanized, Add	22.53	
			For Advanced Fluoropolymer (Blue Coating), Add	39.42	
23 21 13 23-0720	EA		6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	63.71	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	17.84	
			For Hot Dip Galvanized, Add	25.48	
			For Advanced Fluoropolymer (Blue Coating), Add	44.60	
23 21 13 23-0721	EA		8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	70.64	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	19.78	
			For Hot Dip Galvanized, Add	28.26	
			For Advanced Fluoropolymer (Blue Coating), Add	49.45	
23 21 13 23-0722	EA		10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	153.19	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	42.89	
			For Hot Dip Galvanized, Add	61.28	
			For Advanced Fluoropolymer (Blue Coating), Add	107.23	
23 21 13 23-0723	EA		12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	158.11	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	44.27	
			For Hot Dip Galvanized, Add	63.24	
			For Advanced Fluoropolymer (Blue Coating), Add	110.68	
23 21 13 23-0724	EA		14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	177.56	
			Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	49.72	
			For Hot Dip Galvanized, Add	71.02	
			For Advanced Fluoropolymer (Blue Coating), Add	124.29	
23 21 13 23-0725	EA		16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	290.66	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	81.38	
			For Hot Dip Galvanized, Add	116.26	
			For Advanced Fluoropolymer (Blue Coating), Add	203.46	
23 21 13 23-0726	EA		18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	415.15	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	116.24	
			For Hot Dip Galvanized, Add	166.06	
			For Advanced Fluoropolymer (Blue Coating), Add	290.61	
23 21 13 23-0727	EA		20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	524.93	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	146.98	
			For Hot Dip Galvanized, Add	209.97	
			For Advanced Fluoropolymer (Blue Coating), Add	367.45	
23 21 13 23-0728	EA		24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	744.41	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	208.43	
			For Hot Dip Galvanized, Add	297.76	
			For Advanced Fluoropolymer (Blue Coating), Add	521.09	
23 21 13 23-0729	EA		30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,173.76	
			Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	328.65	
			For Hot Dip Galvanized, Add	469.50	
			For Advanced Fluoropolymer (Blue Coating), Add	821.63	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0730	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,628.17
		Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.	
		For Zinc Plated, Add	455.89
		For Hot Dip Galvanized, Add	651.27
		For Advanced Fluoropolymer (Blue Coating), Add	1,139.72

23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0732	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	22.63
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	
		For Zinc Plated, Add	6.34
		For Hot Dip Galvanized, Add	9.05
		For Advanced Fluoropolymer (Blue Coating), Add	15.84
23 21 13 23-0733	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	40.82
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	
		For Zinc Plated, Add	11.43
		For Hot Dip Galvanized, Add	16.33
		For Advanced Fluoropolymer (Blue Coating), Add	28.57
23 21 13 23-0734	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	63.07
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	
		For Zinc Plated, Add	17.66
		For Hot Dip Galvanized, Add	25.23
		For Advanced Fluoropolymer (Blue Coating), Add	44.15
23 21 13 23-0735	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	68.53
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	
		For Zinc Plated, Add	19.19
		For Hot Dip Galvanized, Add	27.41
		For Advanced Fluoropolymer (Blue Coating), Add	47.97
23 21 13 23-0736	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	75.38
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	
		For Zinc Plated, Add	21.11
		For Hot Dip Galvanized, Add	30.15
		For Advanced Fluoropolymer (Blue Coating), Add	52.77
23 21 13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	86.32
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	
		For Zinc Plated, Add	24.17
		For Hot Dip Galvanized, Add	34.53
		For Advanced Fluoropolymer (Blue Coating), Add	60.42
23 21 13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	118.83
		Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.	
		For Zinc Plated, Add	33.27
		For Hot Dip Galvanized, Add	47.53
		For Advanced Fluoropolymer (Blue Coating), Add	83.18
23 21 13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	182.69
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	
		For Zinc Plated, Add	51.15
		For Hot Dip Galvanized, Add	73.08
		For Advanced Fluoropolymer (Blue Coating), Add	127.88
23 21 13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	324.44
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	
		For Zinc Plated, Add	90.84
		For Hot Dip Galvanized, Add	129.78
		For Advanced Fluoropolymer (Blue Coating), Add	227.11
23 21 13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	462.85
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	
		For Zinc Plated, Add	129.60
		For Hot Dip Galvanized, Add	185.14
		For Advanced Fluoropolymer (Blue Coating), Add	324.00
23 21 13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	629.98
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	
		For Zinc Plated, Add	176.39
		For Hot Dip Galvanized, Add	251.99
		For Advanced Fluoropolymer (Blue Coating), Add	440.99
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	863.14
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	
		For Zinc Plated, Add	241.68
		For Hot Dip Galvanized, Add	345.26
		For Advanced Fluoropolymer (Blue Coating), Add	604.20
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,112.34
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	
		For Zinc Plated, Add	311.46
		For Hot Dip Galvanized, Add	444.94
		For Advanced Fluoropolymer (Blue Coating), Add	778.64
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,184.06
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	
		For Zinc Plated, Add	331.54
		For Hot Dip Galvanized, Add	473.62
		For Advanced Fluoropolymer (Blue Coating), Add	828.84
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,508.77
		Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.	
		For Zinc Plated, Add	422.46
		For Hot Dip Galvanized, Add	603.51
		For Advanced Fluoropolymer (Blue Coating), Add	1,056.14
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,386.48
		Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.	
		For Zinc Plated, Add	668.21
		For Hot Dip Galvanized, Add	954.59
		For Advanced Fluoropolymer (Blue Coating), Add	1,670.54

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	3,420.62		
		Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.			
		For Zinc Plated, Add	957.77		
		For Hot Dip Galvanized, Add	1,368.25		
		For Advanced Fluoropolymer (Blue Coating), Add	2,394.43		
23 21 13 23-0749		Class 150 Flange, Stainless Steel Bolt And Gasket Sets (23 21 13 23-0393)			
		Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.			
23 21 13 23-0750	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	13.83		
		Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.			
23 21 13 23-0751	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	44.77		
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.			
23 21 13 23-0752	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	44.88		
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.			
23 21 13 23-0753	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	44.98		
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.			
23 21 13 23-0754	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	96.38		
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.			
23 21 13 23-0755	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	120.12		
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.			
23 21 13 23-0756	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	138.32		
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.			
23 21 13 23-0757	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	140.27		
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.			
23 21 13 23-0758	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	356.91		
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.			
23 21 13 23-0759	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	360.59		
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.			
23 21 13 23-0760	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	542.26		
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.			
23 21 13 23-0761	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	721.43		
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.			
23 21 13 23-0762	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	1,854.58		
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.			
23 21 13 23-0763	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	2,150.78		
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.			
23 21 13 23-0764	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	2,484.71		
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.			
23 21 13 23-0765		150 Lb., Rubber Flange Gasket Replacement (23 21 13 23-0393)			
		Note: Includes unbolting, removal of old gaskets, new 150 Lb. rubber gasket and rebolting.			
23 21 13 23-0766	EA	1/2", 150 Lb., Rubber Flange Gasket Replacement	36.55		
		For 300 Lb. Rating Gasket Set, Add	0.25		
		For 150 Lb. Rating Teflon Gasket Set, Add	5.41		
		For 300 Lb. Rating Teflon Gasket Set, Add	6.23		
		For Work In Restricted Working Space, Add	10.76		
23 21 13 23-0767	EA	3/4", 150 Lb., Rubber Flange Gasket Replacement	39.18		
		For 300 Lb. Rating Gasket Set, Add	0.33		
		For 150 Lb. Rating Teflon Gasket Set, Add	7.27		
		For 300 Lb. Rating Teflon Gasket Set, Add	8.37		
		For Work In Restricted Working Space, Add	11.47		
23 21 13 23-0768	EA	1", 150 Lb., Rubber Flange Gasket Replacement	43.46		
		For 300 Lb. Rating Gasket Set, Add	0.57		
		For 150 Lb. Rating Teflon Gasket Set, Add	12.68		
		For 300 Lb. Rating Teflon Gasket Set, Add	14.60		
		For Work In Restricted Working Space, Add	12.55		
23 21 13 23-0769	EA	1-1/4", 150 Lb., Rubber Flange Gasket Replacement	47.28		
		For 300 Lb. Rating Gasket Set, Add	0.65		
		For 150 Lb. Rating Teflon Gasket Set, Add	14.46		
		For 300 Lb. Rating Teflon Gasket Set, Add	16.64		
		For Work In Restricted Working Space, Add	13.62		
23 21 13 23-0770	EA	1-1/2", 150 Lb., Rubber Flange Gasket Replacement	52.53		
		For 300 Lb. Rating Gasket Set, Add	0.82		
		For 150 Lb. Rating Teflon Gasket Set, Add	18.09		
		For 300 Lb. Rating Teflon Gasket Set, Add	20.83		
		For Work In Restricted Working Space, Add	15.06		
23 21 13 23-0771	EA	2", 150 Lb., Rubber Flange Gasket Replacement	58.24		
		For 300 Lb. Rating Gasket Set, Add	1.14		
		For 150 Lb. Rating Teflon Gasket Set, Add	25.28		
		For 300 Lb. Rating Teflon Gasket Set, Add	29.10		
		For Work In Restricted Working Space, Add	16.49		
23 21 13 23-0772	EA	2-1/2", 150 Lb., Rubber Flange Gasket Replacement	68.97		
		For 300 Lb. Rating Gasket Set, Add	1.55		
		For 150 Lb. Rating Teflon Gasket Set, Add	34.32		
		For 300 Lb. Rating Teflon Gasket Set, Add	39.52		
		For Work In Restricted Working Space, Add	19.36		
23 21 13 23-0773	EA	3", 150 Lb., Rubber Flange Gasket Replacement	73.27		
		For 300 Lb. Rating Gasket Set, Add	1.80		
		For 150 Lb. Rating Teflon Gasket Set, Add	39.81		
		For 300 Lb. Rating Teflon Gasket Set, Add	45.84		
		For Work In Restricted Working Space, Add	20.44		
23 21 13 23-0774	EA	4", 150 Lb., Rubber Flange Gasket Replacement	98.05		
		For 300 Lb. Rating Gasket Set, Add	2.95		
		For 150 Lb. Rating Teflon Gasket Set, Add	65.09		
		For 300 Lb. Rating Teflon Gasket Set, Add	74.94		
		For Work In Restricted Working Space, Add	26.89		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-0775	EA 5", 150 Lb., Rubber Flange Gasket Replacement.....	113.33	
	For 300 Lb. Rating Gasket Set, Add	3.28	
	For 150 Lb. Rating Teflon Gasket Set, Add	72.35	
	For 300 Lb. Rating Teflon Gasket Set, Add	83.30	
	For Work In Restricted Working Space, Add	31.19	
23 21 13 23-0776	EA 6", 150 Lb., Rubber Flange Gasket Replacement.....	130.47	
	For 300 Lb. Rating Gasket Set, Add	4.26	
	For 150 Lb. Rating Teflon Gasket Set, Add	94.00	
	For 300 Lb. Rating Teflon Gasket Set, Add	108.22	
	For Work In Restricted Working Space, Add	35.49	
23 21 13 23-0777	EA 8", 150 Lb., Rubber Flange Gasket Replacement.....	161.18	
	For 300 Lb. Rating Gasket Set, Add	6.22	
	For 150 Lb. Rating Teflon Gasket Set, Add	137.44	
	For 300 Lb. Rating Teflon Gasket Set, Add	158.24	
	For Work In Restricted Working Space, Add	43.02	
23 21 13 23-0778	EA 10", 150 Lb., Rubber Flange Gasket Replacement.....	178.22	
	For 300 Lb. Rating Gasket Set, Add	8.84	
	For 150 Lb. Rating Teflon Gasket Set, Add	195.26	
	For 300 Lb. Rating Teflon Gasket Set, Add	224.81	
	For Work In Restricted Working Space, Add	45.89	
23 21 13 23-0779	EA 12", 150 Lb., Rubber Flange Gasket Replacement.....	205.56	
	For 300 Lb. Rating Gasket Set, Add	11.30	
	For 150 Lb. Rating Teflon Gasket Set, Add	249.52	
	For 300 Lb. Rating Teflon Gasket Set, Add	287.29	
	For Work In Restricted Working Space, Add	51.98	
23 21 13 23-0780	EA 14", 150 Lb., Rubber Flange Gasket Replacement.....	217.85	
	For 300 Lb. Rating Gasket Set, Add	13.51	
	For 150 Lb. Rating Teflon Gasket Set, Add	298.30	
	For 300 Lb. Rating Teflon Gasket Set, Add	343.45	
	For Work In Restricted Working Space, Add	53.78	
23 21 13 23-0781	EA 16", 150 Lb., Rubber Flange Gasket Replacement.....	282.04	
	For 300 Lb. Rating Gasket Set, Add	15.06	
	For 150 Lb. Rating Teflon Gasket Set, Add	332.70	
	For 300 Lb. Rating Teflon Gasket Set, Add	383.06	
	For Work In Restricted Working Space, Add	71.70	
23 21 13 23-0782	EA 18", 150 Lb., Rubber Flange Gasket Replacement.....	306.61	
	For 300 Lb. Rating Gasket Set, Add	15.72	
	For 150 Lb. Rating Teflon Gasket Set, Add	347.15	
	For 300 Lb. Rating Teflon Gasket Set, Add	399.70	
	For Work In Restricted Working Space, Add	78.51	
23 21 13 23-0783	EA 20", 150 Lb., Rubber Flange Gasket Replacement.....	367.22	
	For 300 Lb. Rating Gasket Set, Add	16.86	
	For 150 Lb. Rating Teflon Gasket Set, Add	372.43	
	For 300 Lb. Rating Teflon Gasket Set, Add	428.80	
	For Work In Restricted Working Space, Add	95.71	

23 21 13 23-0784 150 Lb., Spiral Wound Metal Flange Gasket Replacement^(23 21 13 23-0393)

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.

23 21 13 23-0785	EA 1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	40.61	
	For Work In Restricted Working Space, Add	10.76	
	For 300 Lb., Add	0.36	
23 21 13 23-0786	EA 3/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	43.07	
	For Work In Restricted Working Space, Add	11.47	
	For 300 Lb., Add	0.36	
23 21 13 23-0787	EA 1", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	46.70	
	For Work In Restricted Working Space, Add	12.55	
	For 300 Lb., Add	0.37	
23 21 13 23-0788	EA 1-1/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement.....	51.03	
	For Work In Restricted Working Space, Add	13.62	
	For 300 Lb., Add	0.42	
23 21 13 23-0789	EA 1-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement.....	55.93	
	For Work In Restricted Working Space, Add	15.06	
	For 300 Lb., Add	0.43	
23 21 13 23-0790	EA 2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	60.98	
	For Work In Restricted Working Space, Add	16.49	
	For 300 Lb., Add	0.45	
23 21 13 23-0791	EA 2-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement.....	71.06	
	For Work In Restricted Working Space, Add	19.36	
	For 300 Lb., Add	0.49	
23 21 13 23-0792	EA 3", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	75.18	
	For Work In Restricted Working Space, Add	20.44	
	For 300 Lb., Add	0.53	
23 21 13 23-0793	EA 4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	98.65	
	For Work In Restricted Working Space, Add	26.89	
	For 300 Lb., Add	0.68	
23 21 13 23-0794	EA 5", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	115.10	
	For Work In Restricted Working Space, Add	31.19	
	For 300 Lb., Add	0.84	
23 21 13 23-0795	EA 6", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	130.69	
	For Work In Restricted Working Space, Add	35.50	
	For 300 Lb., Add	0.93	
23 21 13 23-0796	EA 8", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	158.19	
	For Work In Restricted Working Space, Add	43.03	
	For 300 Lb., Add	1.11	
23 21 13 23-0797	EA 10", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	173.33	
	For Work In Restricted Working Space, Add	45.89	
	For 300 Lb., Add	1.53	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0798	EA	12", 150 Lb., Spiral Wound Metal Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i> <i>For 300 Lb., Add</i>	203.96 51.99 2.30	
23 21 13 23-0799		150 Lb., Flexible Graphite Flange Gasket Replacement (23 21 13 23-0393) Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.		
23 21 13 23-0800	EA	1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	36.81 10.76	
23 21 13 23-0801	EA	3/4", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	39.82 11.47	
23 21 13 23-0802	EA	1", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	43.64 12.55	
23 21 13 23-0803	EA	1-1/4", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	47.99 13.62	
23 21 13 23-0804	EA	1-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	52.94 15.06	
23 21 13 23-0805	EA	2", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	58.58 16.49	
23 21 13 23-0806	EA	2-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	69.41 19.36	
23 21 13 23-0807	EA	3", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	73.26 20.44	
23 21 13 23-0808	EA	4", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	97.96 26.89	
23 21 13 23-0809	EA	5", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	113.88 31.19	
23 21 13 23-0810	EA	6", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	129.37 35.50	
23 21 13 23-0811	EA	8", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	162.02 43.03	
23 21 13 23-0812	EA	10", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	179.96 45.89	
23 21 13 23-0813	EA	12", 150 Lb., Flexible Graphite Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	206.67 51.99	
23 21 13 23-0814		150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement (23 21 13 23-0393) Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.		
23 21 13 23-0815	EA	1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	56.77 10.76	
23 21 13 23-0816	EA	3/4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	60.59 11.47	
23 21 13 23-0817	EA	1", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	65.63 12.55	
23 21 13 23-0818	EA	1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	74.24 13.62	
23 21 13 23-0819	EA	1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	79.98 15.06	
23 21 13 23-0820	EA	2", Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	87.24 16.49	
23 21 13 23-0821	EA	2-1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	101.42 19.36	
23 21 13 23-0822	EA	3", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	114.93 20.44	
23 21 13 23-0823	EA	4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	145.36 26.89	
23 21 13 23-0824	EA	5", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	173.38 31.19	
23 21 13 23-0825	EA	6", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	225.91 35.50	
23 21 13 23-0826	EA	8", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	249.69 43.03	
23 21 13 23-0827	EA	10", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	283.68 45.89	
23 21 13 23-0828	EA	12", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement <i>For Work In Restricted Working Space, Add</i>	370.71 51.99	
23 21 13 23-0829		Cut And Prepare For Welding Existing In-Place Black Steel Pipe (23 21 13 23-0393) Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0830	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	25.95 7.79	
23 21 13 23-0831	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	28.02 8.41	
23 21 13 23-0832	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	31.52 9.46	
23 21 13 23-0833	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	33.08 9.92	
23 21 13 23-0834	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	35.02 10.51	
23 21 13 23-0835	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	37.61 11.28	
23 21 13 23-0836	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	40.22 12.07	
23 21 13 23-0837	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe <i>For Work In Restricted Working Space, Add</i>	44.10 13.23	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-0838	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	47.99	
		<i>For Work In Restricted Working Space, Add</i>	14.40	
23 21 13 23-0839	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	51.89	
		<i>For Work In Restricted Working Space, Add</i>	15.57	
23 21 13 23-0840	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	55.78	
		<i>For Work In Restricted Working Space, Add</i>	16.73	
23 21 13 23-0841	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	60.97	
		<i>For Work In Restricted Working Space, Add</i>	18.29	
23 21 13 23-0842	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	66.15	
		<i>For Work In Restricted Working Space, Add</i>	19.85	
23 21 13 23-0843	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	71.35	
		<i>For Work In Restricted Working Space, Add</i>	21.41	
23 21 13 23-0844	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	76.53	
		<i>For Work In Restricted Working Space, Add</i>	22.96	
23 21 13 23-0845	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	80.43	
		<i>For Work In Restricted Working Space, Add</i>	24.13	
23 21 13 23-0846	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	84.31	
		<i>For Work In Restricted Working Space, Add</i>	25.29	
23 21 13 23-0847	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	89.51	
		<i>For Work In Restricted Working Space, Add</i>	26.85	

23 21 13 23-0848 Welded Plain End Electric Resistance Black Steel Pipe (23 21 13 23-0393)

Note: ASTM A-135.

23 21 13 23-0849	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	29.15	13.31
		<i>For Work In Restricted Working Space, Add</i>	6.54	
23 21 13 23-0850	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	33.09	14.53
		<i>For Work In Restricted Working Space, Add</i>	6.54	
23 21 13 23-0851	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	35.29	14.28
		<i>For Work In Restricted Working Space, Add</i>	6.41	
23 21 13 23-0852	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	44.04	18.16
		<i>For Work In Restricted Working Space, Add</i>	8.17	
23 21 13 23-0853	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	72.85	26.87
		<i>For Work In Restricted Working Space, Add</i>	12.08	
23 21 13 23-0854	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	92.46	30.94
		<i>For Work In Restricted Working Space, Add</i>	13.94	
23 21 13 23-0855	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	126.13	38.53
		<i>For Work In Restricted Working Space, Add</i>	17.34	
23 21 13 23-0856	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	153.23	46.46
		<i>For Work In Restricted Working Space, Add</i>	20.89	
23 21 13 23-0857	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	195.30	60.29
		<i>For Work In Restricted Working Space, Add</i>	27.13	

23 21 13 23-0858 Flanged Steel Fittings (23 21 13 23)

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.

23 21 13 23-0859 Flanged Steel Fittings, Standard Weight (23 21 13 23-0858)

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0860 Flanged Steel, 90 Degree Elbows (23 21 13 23-0859)

23 21 13 23-0861	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	324.81	55.77
		<i>For Galvanized Fittings, Add</i>	192.96	
		<i>For Extra Heavy Weight Fittings, Add</i>	289.44	
23 21 13 23-0862	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	362.25	62.11
		<i>For Galvanized Fittings, Add</i>	215.26	
		<i>For Extra Heavy Weight Fittings, Add</i>	322.90	
23 21 13 23-0863	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	364.53	68.56
		<i>For Galvanized Fittings, Add</i>	209.45	
		<i>For Extra Heavy Weight Fittings, Add</i>	314.17	
23 21 13 23-0864	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	457.61	79.67
		<i>For Galvanized Fittings, Add</i>	270.54	
		<i>For Extra Heavy Weight Fittings, Add</i>	405.80	
23 21 13 23-0865	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	624.66	89.22
		<i>For Galvanized Fittings, Add</i>	392.71	
		<i>For Extra Heavy Weight Fittings, Add</i>	589.07	
23 21 13 23-0866	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	666.76	103.56
		<i>For Galvanized Fittings, Add</i>	409.19	
		<i>For Extra Heavy Weight Fittings, Add</i>	613.79	
23 21 13 23-0867	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	834.62	114.66
		<i>For Galvanized Fittings, Add</i>	530.10	
		<i>For Extra Heavy Weight Fittings, Add</i>	795.16	

23 21 13 23-0868 Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0859)

23 21 13 23-0869	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	575.64	59.01
		<i>For Galvanized Fittings, Add</i>	389.80	
		<i>For Extra Heavy Weight Fittings, Add</i>	584.70	
23 21 13 23-0870	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	602.16	65.34
		<i>For Galvanized Fittings, Add</i>	403.38	
		<i>For Extra Heavy Weight Fittings, Add</i>	605.06	
23 21 13 23-0871	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	744.99	74.05
		<i>For Galvanized Fittings, Add</i>	507.13	
		<i>For Extra Heavy Weight Fittings, Add</i>	760.69	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0872	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	913.36	78.84
		For Galvanized Fittings, Add	636.10	
		For Extra Heavy Weight Fittings, Add	954.14	
23 21 13 23-0873	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,041.56	91.61
		For Galvanized Fittings, Add	723.36	
		For Extra Heavy Weight Fittings, Add	1,085.04	
23 21 13 23-0874	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,439.95	109.17
		For Galvanized Fittings, Add	1,021.05	
		For Extra Heavy Weight Fittings, Add	1,531.57	
23 21 13 23-0875 Flanged Steel, 45 Degree Elbows (23 21 13 23-0859)				
23 21 13 23-0876	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	412.08	55.77
		For Galvanized Fittings, Add	262.78	
		For Extra Heavy Weight Fittings, Add	394.16	
23 21 13 23-0877	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	432.55	62.11
		For Galvanized Fittings, Add	271.50	
		For Extra Heavy Weight Fittings, Add	407.26	
23 21 13 23-0878	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	451.80	68.56
		For Galvanized Fittings, Add	279.26	
		For Extra Heavy Weight Fittings, Add	418.90	
23 21 13 23-0879	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	559.42	79.67
		For Galvanized Fittings, Add	351.98	
		For Extra Heavy Weight Fittings, Add	527.98	
23 21 13 23-0880	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	789.50	89.22
		For Galvanized Fittings, Add	524.58	
		For Extra Heavy Weight Fittings, Add	786.88	
23 21 13 23-0881	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	780.70	103.56
		For Galvanized Fittings, Add	500.34	
		For Extra Heavy Weight Fittings, Add	750.52	
23 21 13 23-0882	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	915.76	114.66
		For Galvanized Fittings, Add	595.02	
		For Extra Heavy Weight Fittings, Add	892.52	
23 21 13 23-0883 Flanged Steel, Tees (23 21 13 23-0859)				
23 21 13 23-0884	EA	2" Standard Weight, Flanged Steel, Tee.....	424.79	83.61
		For Galvanized Fittings, Add	239.50	
		For Extra Heavy Weight Fittings, Add	359.26	
23 21 13 23-0885	EA	2-1/2" Standard Weight, Flanged Steel, Tee	538.51	93.17
		For Galvanized Fittings, Add	319.02	
		For Extra Heavy Weight Fittings, Add	478.52	
23 21 13 23-0886	EA	3" Standard Weight, Flanged Steel, Tee.....	503.16	102.72
		For Galvanized Fittings, Add	279.26	
		For Extra Heavy Weight Fittings, Add	418.90	
23 21 13 23-0887	EA	4" Standard Weight, Flanged Steel, Tee.....	700.34	119.56
		For Galvanized Fittings, Add	416.94	
		For Extra Heavy Weight Fittings, Add	625.42	
23 21 13 23-0888	EA	5" Standard Weight, Flanged Steel, Tee.....	1,010.77	133.89
		For Galvanized Fittings, Add	648.09	
		For Extra Heavy Weight Fittings, Add	972.13	
23 21 13 23-0889	EA	6" Standard Weight, Flanged Steel, Tee.....	1,228.17	155.40
		For Galvanized Fittings, Add	796.22	
		For Extra Heavy Weight Fittings, Add	1,194.32	
23 21 13 23-0890	EA	8" Standard Weight, Flanged Steel, Tee.....	1,365.29	180.00
		For Galvanized Fittings, Add	876.29	
		For Extra Heavy Weight Fittings, Add	1,314.43	
23 21 13 23-0891 Flanged Steel, Reducing Tees (23 21 13 23-0859)				
23 21 13 23-0892	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	642.83	90.06
		For Galvanized Fittings, Add	406.29	
		For Extra Heavy Weight Fittings, Add	609.43	
23 21 13 23-0893	EA	3" Standard Weight, Flanged Steel, Reducing Tee	739.59	99.61
		For Galvanized Fittings, Add	472.22	
		For Extra Heavy Weight Fittings, Add	708.34	
23 21 13 23-0894	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,233.71	113.94
		For Galvanized Fittings, Add	850.33	
		For Extra Heavy Weight Fittings, Add	1,275.49	
23 21 13 23-0895	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,337.54	129.11
		For Galvanized Fittings, Add	915.24	
		For Extra Heavy Weight Fittings, Add	1,372.86	
23 21 13 23-0896	EA	6" Standard Weight, Flanged Steel, Reducing Tee	1,671.83	148.23
		For Galvanized Fittings, Add	1,159.74	
		For Extra Heavy Weight Fittings, Add	1,739.60	
23 21 13 23-0897	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,074.99	166.50
		For Galvanized Fittings, Add	1,460.30	
		For Extra Heavy Weight Fittings, Add	2,190.44	
23 21 13 23-0898 Flanged Steel, Concentric Reducers (23 21 13 23-0859)				
23 21 13 23-0899	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	594.89	65.34
		For Galvanized Fittings, Add	397.56	
		For Extra Heavy Weight Fittings, Add	596.34	
23 21 13 23-0900	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	675.90	74.05
		For Galvanized Fittings, Add	451.86	
		For Extra Heavy Weight Fittings, Add	677.78	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-0901	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	985.97		84.44
		For Galvanized Fittings, Add	687.49		
		For Extra Heavy Weight Fittings, Add	1,031.23		
23 21 13 23-0902	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,086.41		91.61
		For Galvanized Fittings, Add	759.24		
		For Extra Heavy Weight Fittings, Add	1,138.86		
23 21 13 23-0903	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,273.89		109.17
		For Galvanized Fittings, Add	888.20		
		For Extra Heavy Weight Fittings, Add	1,332.30		
23 21 13 23-0904		Flanged Steel, Eccentric Reducers (23 21 13 23-0859)			
23 21 13 23-0905	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	645.36		74.05
		For Galvanized Fittings, Add	427.42		
		For Extra Heavy Weight Fittings, Add	641.14		
23 21 13 23-0906	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	866.46		84.44
		For Galvanized Fittings, Add	591.88		
		For Extra Heavy Weight Fittings, Add	887.82		
23 21 13 23-0907		Plain End Couplings And Fittings (23 21 13 23)			
		Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.			
23 21 13 23-0908		Plain End Piping System Couplings (23 21 13 23-0907)			
23 21 13 23-0909		Plainlock Plain End Piping System Couplings (23 21 13 23-0908)			
		Note: Ductile iron body with gasket, bolts and nuts.			
23 21 13 23-0910	EA	1" Plainlock Plain End Piping System Coupling	151.77		7.17
		For Galvanized Fittings, Add	28.20		
23 21 13 23-0911	EA	1-1/2" Plainlock Plain End Piping System Coupling	155.94		9.91
		For Galvanized Fittings, Add	28.20		
23 21 13 23-0912	EA	2" Plainlock Plain End Piping System Coupling	160.79		13.14
		For Galvanized Fittings, Add	28.20		
23 21 13 23-0913	EA	2-1/2" Plainlock Plain End Piping System Coupling	164.91		15.88
		For Galvanized Fittings, Add	28.20		
23 21 13 23-0914	EA	3" Plainlock Plain End Piping System Coupling	195.09		19.11
		For Galvanized Fittings, Add	33.29		
23 21 13 23-0915	EA	4" Plainlock Plain End Piping System Coupling	268.80		25.44
		For Galvanized Fittings, Add	46.12		
23 21 13 23-0916	EA	6" Plainlock Plain End Piping System Coupling	451.47		41.45
		For Galvanized Fittings, Add	77.87		
23 21 13 23-0917		Roust-A-Bout Plain End Piping System Couplings (23 21 13 23-0908)			
		Note: Ductile iron body with gasket, bolts and nuts.			
23 21 13 23-0918	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	183.33		9.91
		For Galvanized Fittings, Add	42.10		
23 21 13 23-0919	EA	2" Roust-A-Bout Plain End Piping System Coupling	188.18		13.14
		For Galvanized Fittings, Add	42.10		
23 21 13 23-0920	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	192.31		16.00
		For Galvanized Fittings, Add	42.10		
23 21 13 23-0921	EA	3" Roust-A-Bout Plain End Piping System Coupling	278.10		19.11
		For Galvanized Fittings, Add	62.36		
23 21 13 23-0922	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	322.16		22.34
		For Galvanized Fittings, Add	72.17		
23 21 13 23-0923	EA	4" Roust-A-Bout Plain End Piping System Coupling	326.89		25.44
		For Galvanized Fittings, Add	72.17		
23 21 13 23-0924	EA	5" Roust-A-Bout Plain End Piping System Coupling	460.24		31.89
		For Galvanized Fittings, Add	103.11		
23 21 13 23-0925	EA	6" Roust-A-Bout Plain End Piping System Coupling	565.85		41.45
		For Galvanized Fittings, Add	125.93		
23 21 13 23-0926	EA	8" Roust-A-Bout Plain End Piping System Coupling	967.31		49.45
		For Galvanized Fittings, Add	223.30		
23 21 13 23-0927	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,249.84		58.52
		For Galvanized Fittings, Add	290.51		
23 21 13 23-0928	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,562.03		69.27
		For Galvanized Fittings, Add	364.53		
23 21 13 23-0929	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,185.37		76.56
		For Galvanized Fittings, Add	517.63		
23 21 13 23-0930	EA	16" Roust-A-Bout Plain End Piping System Coupling	2,965.24		86.60
		For Galvanized Fittings, Add	708.85		
23 21 13 23-0931		Plain End Piping System Fittings (23 21 13 23-0907)			
		Note: Cast ductile iron bodies.			
23 21 13 23-0932		Plain End Piping System, 90 Degree Elbows (23 21 13 23-0931)			
23 21 13 23-0933	EA	1" Plain End Piping System, 90 Degree Elbow	152.64		13.02
		For Galvanized Fittings, Add	26.62		
23 21 13 23-0934	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	162.68		19.71
		For Galvanized Fittings, Add	26.62		
23 21 13 23-0935	EA	2" Plain End Piping System, 90 Degree Elbow	172.16		26.04
		For Galvanized Fittings, Add	26.62		
23 21 13 23-0936	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	180.67		31.77
		For Galvanized Fittings, Add	26.62		
23 21 13 23-0937	EA	3" Plain End Piping System, 90 Degree Elbow	217.54		38.46
		For Galvanized Fittings, Add	31.98		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0938	EA		4" Plain End Piping System, 90 Degree Elbow.....	309.15	50.64
			For Galvanized Fittings, Add.....	46.63	
23 21 13 23-0939	EA		5" Plain End Piping System, 90 Degree Elbow.....	902.18	63.42
			For Galvanized Fittings, Add.....	161.42	
23 21 13 23-0940	EA		6" Plain End Piping System, 90 Degree Elbow.....	766.18	83.01
			For Galvanized Fittings, Add.....	128.35	
23 21 13 23-0941	EA		8" Plain End Piping System, 90 Degree Elbow.....	1,503.30	98.53
			For Galvanized Fittings, Add.....	271.09	
23 21 13 23-0942	EA		10" Plain End Piping System, 90 Degree Elbow.....	1,876.22	115.14
			For Galvanized Fittings, Add.....	340.72	
23 21 13 23-0943	EA		12" Plain End Piping System, 90 Degree Elbow.....	2,376.46	138.31
			For Galvanized Fittings, Add.....	433.82	
23 21 13 23-0944 Plain End Piping System, 45 Degree Elbows (23 21 13 23-0931)					
23 21 13 23-0945	EA		1" Plain End Piping System, 45 Degree Elbow.....	152.64	13.02
			For Galvanized Fittings, Add.....	26.62	
23 21 13 23-0946	EA		1-1/2" Plain End Piping System, 45 Degree Elbow.....	162.68	19.71
			For Galvanized Fittings, Add.....	26.62	
23 21 13 23-0947	EA		2" Plain End Piping System, 45 Degree Elbow.....	172.16	26.04
			For Galvanized Fittings, Add.....	26.62	
23 21 13 23-0948	EA		2-1/2" Plain End Piping System, 45 Degree Elbow.....	180.67	31.77
			For Galvanized Fittings, Add.....	26.62	
23 21 13 23-0949	EA		3" Plain End Piping System, 45 Degree Elbow.....	217.54	38.46
			For Galvanized Fittings, Add.....	31.98	
23 21 13 23-0950	EA		4" Plain End Piping System, 45 Degree Elbow.....	309.15	50.64
			For Galvanized Fittings, Add.....	46.63	
23 21 13 23-0951	EA		5" Plain End Piping System, 45 Degree Elbow.....	902.18	63.42
			For Galvanized Fittings, Add.....	161.42	
23 21 13 23-0952	EA		6" Plain End Piping System, 45 Degree Elbow.....	768.65	83.01
			For Galvanized Fittings, Add.....	128.85	
23 21 13 23-0953	EA		8" Plain End Piping System, 45 Degree Elbow.....	892.61	98.53
			For Galvanized Fittings, Add.....	148.96	
23 21 13 23-0954	EA		10" Plain End Piping System, 45 Degree Elbow.....	1,211.99	115.14
			For Galvanized Fittings, Add.....	207.88	
23 21 13 23-0955	EA		12" Plain End Piping System, 45 Degree Elbow.....	1,550.13	138.31
			For Galvanized Fittings, Add.....	268.55	
23 21 13 23-0956 Plain End Piping System, Tees (23 21 13 23-0931)					
23 21 13 23-0957	EA		1" Plain End Piping System, Tee.....	208.82	19.71
			For Galvanized Fittings, Add.....	35.85	
23 21 13 23-0958	EA		1-1/2" Plain End Piping System, Tee.....	223.63	29.62
			For Galvanized Fittings, Add.....	35.85	
23 21 13 23-0959	EA		2" Plain End Piping System, Tee.....	236.69	38.34
			For Galvanized Fittings, Add.....	35.85	
23 21 13 23-0960	EA		2-1/2" Plain End Piping System, Tee.....	249.68	46.94
			For Galvanized Fittings, Add.....	35.85	
23 21 13 23-0961	EA		3" Plain End Piping System, Tee.....	344.53	57.69
			For Galvanized Fittings, Add.....	51.59	
23 21 13 23-0962	EA		4" Plain End Piping System, Tee.....	470.60	74.65
			For Galvanized Fittings, Add.....	71.75	
23 21 13 23-0963	EA		5" Plain End Piping System, Tee.....	934.47	97.59
			For Galvanized Fittings, Add.....	157.62	
23 21 13 23-0964	EA		6" Plain End Piping System, Tee.....	1,155.84	122.19
			For Galvanized Fittings, Add.....	194.53	
23 21 13 23-0965	EA		8" Plain End Piping System, Tee.....	1,570.53	148.58
			For Galvanized Fittings, Add.....	269.54	
23 21 13 23-0966	EA		10" Plain End Piping System, Tee.....	2,317.72	173.19
			For Galvanized Fittings, Add.....	411.61	
23 21 13 23-0967	EA		12" Plain End Piping System, Tee.....	3,095.13	207.47
			For Galvanized Fittings, Add.....	556.82	
23 21 13 23-0968 Plain End Piping System, Reducing Tees (23 21 13 23-0931)					
23 21 13 23-0969	EA		1-1/2" Plain End Piping System, Reducing Tee.....	401.92	31.77
			For Galvanized Fittings, Add.....	70.86	
23 21 13 23-0970	EA		2" Plain End Piping System, Reducing Tee.....	411.75	38.34
			For Galvanized Fittings, Add.....	70.86	
23 21 13 23-0971	EA		2-1/2" Plain End Piping System, Reducing Tee.....	424.74	46.94
			For Galvanized Fittings, Add.....	70.86	
23 21 13 23-0972	EA		3" Plain End Piping System, Reducing Tee.....	440.88	57.69
			For Galvanized Fittings, Add.....	70.86	
23 21 13 23-0973	EA		4" Plain End Piping System, Reducing Tee.....	634.93	74.65
			For Galvanized Fittings, Add.....	104.62	
23 21 13 23-0974	EA		6" Plain End Piping System, Reducing Tee.....	1,071.45	122.19
			For Galvanized Fittings, Add.....	177.65	
23 21 13 23-0975	EA		8" Plain End Piping System, Reducing Tee.....	1,392.63	148.58
			For Galvanized Fittings, Add.....	233.96	
23 21 13 23-0976	EA		10" Plain End Piping System, Reducing Tee.....	2,063.08	173.19
			For Galvanized Fittings, Add.....	360.68	
23 21 13 23-0977	EA		12" Plain End Piping System, Reducing Tee.....	3,022.27	207.47
			For Galvanized Fittings, Add.....	542.25	
23 21 13 23-0978 Plain End Piping System, Wyes (23 21 13 23-0931)					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-0979	EA	2" Plain End Piping System, Wye	582.49		38.34
		For Galvanized Fittings, Add	105.01		
23 21 13 23-0980	EA	2-1/2" Plain End Piping System, Wye	595.48		46.94
		For Galvanized Fittings, Add	105.01		
23 21 13 23-0981	EA	3" Plain End Piping System, Wye	676.76		57.69
		For Galvanized Fittings, Add	118.04		
23 21 13 23-0982	EA	4" Plain End Piping System, Wye	987.89		74.65
		For Galvanized Fittings, Add	175.21		
23 21 13 23-0983	EA	5" Plain End Piping System, Wye	1,212.42		97.59
		For Galvanized Fittings, Add	213.21		
23 21 13 23-0984	EA	6" Plain End Piping System, Wye	1,651.17		122.19
		For Galvanized Fittings, Add	293.60		
23 21 13 23-0985	EA	8" Plain End Piping System, Wye	2,123.97		148.58
		For Galvanized Fittings, Add	380.23		
23 21 13 23-0986	EA	10" Plain End Piping System, Wye	3,063.12		173.19
		For Galvanized Fittings, Add	560.69		
23 21 13 23-0987	EA	12" Plain End Piping System, Wye	4,632.81		207.47
		For Galvanized Fittings, Add	864.35		
23 21 13 23-0988 Plain End Piping System, Laterals (23 21 13 23-0931)					
23 21 13 23-0989	EA	2" Plain End Piping System, Lateral	619.63		38.34
		For Galvanized Fittings, Add	112.44		
23 21 13 23-0990	EA	2-1/2" Plain End Piping System, Lateral	632.62		46.94
		For Galvanized Fittings, Add	112.44		
23 21 13 23-0991	EA	3" Plain End Piping System, Lateral	713.65		57.69
		For Galvanized Fittings, Add	125.42		
23 21 13 23-0992	EA	4" Plain End Piping System, Lateral	1,058.33		74.65
		For Galvanized Fittings, Add	189.30		
23 21 13 23-0993	EA	5" Plain End Piping System, Lateral	1,380.20		97.59
		For Galvanized Fittings, Add	246.76		
23 21 13 23-0994	EA	6" Plain End Piping System, Lateral	1,759.12		122.19
		For Galvanized Fittings, Add	315.19		
23 21 13 23-0995	EA	8" Plain End Piping System, Lateral	2,520.48		148.58
		For Galvanized Fittings, Add	459.53		
23 21 13 23-0996	EA	10" Plain End Piping System, Lateral	3,503.06		173.19
		For Galvanized Fittings, Add	648.68		
23 21 13 23-0997	EA	12" Plain End Piping System, Lateral	4,698.20		207.47
		For Galvanized Fittings, Add	877.43		
23 21 13 23-0998 Plain End Piping System, Crosses (23 21 13 23-0931)					
23 21 13 23-0999	EA	2" Plain End Piping System, Cross	696.48		57.46
		For Galvanized Fittings, Add	76.30		
23 21 13 23-1000	EA	2-1/2" Plain End Piping System, Cross	715.94		70.35
		For Galvanized Fittings, Add	76.30		
23 21 13 23-1001	EA	3" Plain End Piping System, Cross	837.85		86.60
		For Galvanized Fittings, Add	88.50		
23 21 13 23-1002	EA	4" Plain End Piping System, Cross	1,140.41		111.91
		For Galvanized Fittings, Add	121.58		
23 21 13 23-1003	EA	5" Plain End Piping System, Cross	1,601.06		146.44
		For Galvanized Fittings, Add	172.69		
23 21 13 23-1004	EA	6" Plain End Piping System, Cross	2,098.10		182.74
		For Galvanized Fittings, Add	228.02		
23 21 13 23-1005	EA	8" Plain End Piping System, Cross	2,671.99		221.33
		For Galvanized Fittings, Add	292.53		
23 21 13 23-1006	EA	10" Plain End Piping System, Cross	3,802.30		258.71
		For Galvanized Fittings, Add	426.81		
23 21 13 23-1007	EA	12" Plain End Piping System, Cross	5,390.02		311.26
		For Galvanized Fittings, Add	615.43		
23 21 13 23-1008 Plain End Piping System, Adapter Nipples (23 21 13 23-0931)					
Note: Plain to threaded, plain to beveled or plain to grooved.					
23 21 13 23-1009	EA	1" Plain End Piping System, Adapter Nipple	48.92		7.17
		For Galvanized Fittings, Add	9.54		
23 21 13 23-1010	EA	1-1/2" Plain End Piping System, Adapter Nipple	54.15		9.91
		For Galvanized Fittings, Add	9.81		
23 21 13 23-1011	EA	2" Plain End Piping System, Adapter Nipple	58.87		13.14
		For Galvanized Fittings, Add	9.81		
23 21 13 23-1012	EA	2-1/2" Plain End Piping System, Adapter Nipple	69.84		15.88
		For Galvanized Fittings, Add	11.49		
23 21 13 23-1013	EA	3" Plain End Piping System, Adapter Nipple	85.45		19.11
		For Galvanized Fittings, Add	14.20		
23 21 13 23-1014	EA	4" Plain End Piping System, Adapter Nipple	133.16		25.44
		For Galvanized Fittings, Add	23.74		
23 21 13 23-1015	EA	6" Plain End Piping System, Adapter Nipple	304.52		31.89
		For Galvanized Fittings, Add	64.19		
23 21 13 23-1016 Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0931)					
23 21 13 23-1017	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	153.95		17.08
		For Galvanized Fittings, Add	32.07		
23 21 13 23-1018	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	158.74		20.30
		For Galvanized Fittings, Add	32.07		
23 21 13 23-1019	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	163.57		23.53
		For Galvanized Fittings, Add	32.07		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1020	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	162.39 32.07	22.81
23 21 13 23-1021	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	167.10 32.07	25.92
23 21 13 23-1022	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	171.86 32.07	29.02
23 21 13 23-1023	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	195.56 39.06	26.28
23 21 13 23-1024	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	199.81 39.06	29.02
23 21 13 23-1025	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	168.55 30.04	32.25
23 21 13 23-1026	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	177.80 30.04	38.46
23 21 13 23-1027	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	205.75 35.92	41.45
23 21 13 23-1028	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	268.63 54.92	32.60
23 21 13 23-1029	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	272.81 54.92	35.47
23 21 13 23-1030	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	224.33 41.59	38.70
23 21 13 23-1031	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	228.43 41.59	41.45
23 21 13 23-1032	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	233.30 41.59	44.67
23 21 13 23-1033	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	237.96 41.59	47.77
23 21 13 23-1034	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	679.29 152.93	45.03
23 21 13 23-1035	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	548.53 118.04	50.88
23 21 13 23-1036	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	474.60 97.14	57.46
23 21 13 23-1037	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,238.43 291.40	48.61
23 21 13 23-1038	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,242.56 291.40	51.36
23 21 13 23-1039	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	943.91 215.53	54.59
23 21 13 23-1040	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	948.16 215.53	57.46
23 21 13 23-1041	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	649.48 139.68	60.56
23 21 13 23-1042	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	653.81 139.68	63.42
23 21 13 23-1043	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	523.93 105.93	66.89
23 21 13 23-1044	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	595.62 121.46	73.22
23 21 13 23-1045	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	776.42 168.45	68.44
23 21 13 23-1046	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	786.06 168.45	74.89
23 21 13 23-1047	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	888.43 191.64	81.34
23 21 13 23-1048	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	995.60 214.81	90.89
23 21 13 23-1049		Plain End Piping System, Bull Plugs (23 21 13 23-0931)		
23 21 13 23-1050	EA	1" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	300.18 86.83	7.17
23 21 13 23-1051	EA	1-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	304.36 86.83	9.91
23 21 13 23-1052	EA	2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	309.08 86.83	13.14
23 21 13 23-1053	EA	2-1/2" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	313.32 86.83	15.88
23 21 13 23-1054	EA	3" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	452.93 127.28	19.11
23 21 13 23-1055	EA	4" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	586.23 164.40	25.44
23 21 13 23-1056	EA	5" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	1,016.22 290.54	31.89
23 21 13 23-1057	EA	6" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	1,353.78 387.50	41.45
23 21 13 23-1058	EA	8" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	2,502.46 728.53	49.33
23 21 13 23-1059	EA	10" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	4,494.94 1,322.51	57.69
23 21 13 23-1060	EA	12" Plain End Piping System, Bull Plug <i>For Galvanized Fittings, Add</i>	6,883.19 2,033.79	69.27
23 21 13 23-1061		Carbon Steel Piping Systems (23 21 13 23)		
23 21 13 23-1062		Class 3,000 Lb. Carbon Steel Socket Weld Fittings (23 21 13 23-1061) Note: ASTM A105		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-1063		90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1062)			
23 21 13 23-1064	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	41.68	23.64	
23 21 13 23-1065	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	46.81	26.39	
23 21 13 23-1066	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	57.49	29.50	
23 21 13 23-1067	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	74.78	33.44	
23 21 13 23-1068	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	85.21	37.63	
23 21 13 23-1069	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	113.96	47.89	
23 21 13 23-1070	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	213.28	70.83	
23 21 13 23-1071	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	299.57	93.17	
23 21 13 23-1072	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	484.46	96.73	
23 21 13 23-1073		45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1062)			
23 21 13 23-1074	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	44.45	23.64	
23 21 13 23-1075	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	51.00	26.39	
23 21 13 23-1076	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	58.78	29.50	
23 21 13 23-1077	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	76.41	33.44	
23 21 13 23-1078	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	89.12	37.63	
23 21 13 23-1079	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	113.87	47.89	
23 21 13 23-1080	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	237.21	70.83	
23 21 13 23-1081	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	319.81	93.17	
23 21 13 23-1082	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	475.70	96.73	
23 21 13 23-1083		Straight Tees, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1062)			
23 21 13 23-1084	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	51.38	29.50	
23 21 13 23-1085	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	61.36	34.04	
23 21 13 23-1086	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	78.58	40.25	
23 21 13 23-1087	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	101.51	47.89	
23 21 13 23-1088	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	122.53	57.09	
23 21 13 23-1089	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	159.75	70.83	
23 21 13 23-1090	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	268.67	93.17	
23 21 13 23-1091	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	359.56	110.60	
23 21 13 23-1092	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	638.10	122.11	
23 21 13 23-1093		Reducing Tees, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1062)			
23 21 13 23-1094	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	52.14	29.50	
23 21 13 23-1095	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	62.14	34.04	
23 21 13 23-1096	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	79.51	40.25	
23 21 13 23-1097	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	103.73	47.89	
23 21 13 23-1098	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	125.14	57.09	
23 21 13 23-1099	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	163.75	70.83	
23 21 13 23-1100	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	278.18	93.17	
23 21 13 23-1101	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	373.26	110.60	
23 21 13 23-1102	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	589.36	122.11	
23 21 13 23-1103		Straight Couplings, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1062)			
23 21 13 23-1104	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	38.26	23.64	
23 21 13 23-1105	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	43.02	26.39	
23 21 13 23-1106	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	49.46	29.50	
23 21 13 23-1107	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	56.66	33.44	
23 21 13 23-1108	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	65.31	37.63	
23 21 13 23-1109	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	84.67	47.89	
23 21 13 23-1110	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	138.68	70.83	
23 21 13 23-1111	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	184.52	93.17	
23 21 13 23-1112	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	234.38	96.73	
23 21 13 23-1113		Reducing Couplings, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1062)			
23 21 13 23-1114	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	39.81	23.64	
23 21 13 23-1115	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	44.72	26.39	
23 21 13 23-1116	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	52.17	29.50	
23 21 13 23-1117	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	59.94	33.44	
23 21 13 23-1118	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	70.18	37.63	
23 21 13 23-1119	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	89.87	47.89	
23 21 13 23-1120	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	150.13	70.83	
23 21 13 23-1121	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	207.55	93.17	
23 21 13 23-1122	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	282.25	96.73	
23 21 13 23-1123		Caps, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1062)			
23 21 13 23-1124	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	21.13	11.11	
23 21 13 23-1125	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	23.65	11.83	
23 21 13 23-1126	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	27.61	13.62	
23 21 13 23-1127	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	31.50	14.81	
23 21 13 23-1128	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	34.95	14.81	
23 21 13 23-1129	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	45.29	18.99	
23 21 13 23-1130	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	74.84	23.64	
23 21 13 23-1131	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	104.96	28.55	
23 21 13 23-1132	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	146.60	33.10	

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
23 21 13 23-1133			Black Cast Iron Square Head Plug (23 21 13 23-1062)		
23 21 13 23-1134	EA	1/2" Square Head Plug, Black, Cast Iron	15.09		9.43
23 21 13 23-1135	EA	3/4" Square Head Plug, Black, Cast Iron	16.56		9.43
23 21 13 23-1136	EA	1" Square Head Plug, Black, Cast Iron	24.14		14.33
23 21 13 23-1137	EA	1-1/4" Square Head Plug, Black, Cast Iron	24.44		14.33
23 21 13 23-1138	EA	1-1/2" Square Head Plug, Black, Cast Iron	25.66		14.33
23 21 13 23-1139	EA	2" Square Head Plug, Black, Cast Iron	34.05		18.99
23 21 13 23-1140	EA	2-1/2" Square Head Plug, Black, Cast Iron	43.38		23.64
23 21 13 23-1141	EA	3" Square Head Plug, Black, Cast Iron	55.64		28.55
23 21 13 23-1142	EA	4" Square Head Plug, Black, Cast Iron	64.75		33.10
23 21 13 23-1143			Unions, 3,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1062)		
23 21 13 23-1144	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	60.33		29.50
23 21 13 23-1145	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	67.56		34.04
23 21 13 23-1146	EA	1" Union, Carbon Steel, Socket Weld, 3,000 Lb.	84.46		40.25
23 21 13 23-1147	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	105.06		47.89
23 21 13 23-1148	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	126.28		57.09
23 21 13 23-1149	EA	2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	157.56		70.83
23 21 13 23-1150	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	246.98		76.92
23 21 13 23-1151	EA	3" Union, Carbon Steel, Socket Weld, 3,000 Lb.	326.19		93.17
23 21 13 23-1152			Class 6,000 Lb. Carbon Steel Socket Weld Fittings (23 21 13 23-1061)		
			Note: ASTM A105		
23 21 13 23-1153			90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1152)		
23 21 13 23-1154	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	45.02		23.64
23 21 13 23-1155	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	50.62		26.39
23 21 13 23-1156	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	64.53		29.50
23 21 13 23-1157	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	87.90		33.44
23 21 13 23-1158	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	100.48		37.63
23 21 13 23-1159	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	136.38		47.89
23 21 13 23-1160	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	270.16		70.83
23 21 13 23-1161	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	384.48		93.17
23 21 13 23-1162	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	664.78		96.73
23 21 13 23-1163			45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1152)		
23 21 13 23-1164	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	49.58		23.64
23 21 13 23-1165	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	57.44		26.39
23 21 13 23-1166	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	67.01		29.50
23 21 13 23-1167	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	91.32		33.44
23 21 13 23-1168	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	107.61		37.63
23 21 13 23-1169	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	137.73		47.89
23 21 13 23-1170	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	311.40		70.83
23 21 13 23-1171	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	421.80		93.17
23 21 13 23-1172	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	662.97		96.73
23 21 13 23-1173			Straight Tees, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1152)		
23 21 13 23-1174	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	58.00		29.50
23 21 13 23-1175	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	70.92		34.04
23 21 13 23-1176	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	95.48		40.25
23 21 13 23-1177	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	129.07		47.89
23 21 13 23-1178	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	156.71		57.09
23 21 13 23-1179	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	209.37		70.83
23 21 13 23-1180	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	388.13		93.17
23 21 13 23-1181	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	538.94		110.60
23 21 13 23-1182	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	1,059.53		122.11
23 21 13 23-1183			Reducing Tees, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1152)		
23 21 13 23-1184	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	52.14		29.50
23 21 13 23-1185	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	62.14		34.04
23 21 13 23-1186	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	79.51		40.25
23 21 13 23-1187	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	103.73		47.89
23 21 13 23-1188	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	125.14		57.09
23 21 13 23-1189	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	163.75		70.83
23 21 13 23-1190	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	278.18		93.17
23 21 13 23-1191	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	373.26		110.60
23 21 13 23-1192	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	589.36		122.11
23 21 13 23-1193			Straight Couplings, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1152)		
23 21 13 23-1194	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	39.65		23.64
23 21 13 23-1195	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	44.67		26.39
23 21 13 23-1196	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	51.98		29.50
23 21 13 23-1197	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	59.84		33.44
23 21 13 23-1198	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	69.59		37.63
23 21 13 23-1199	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	90.92		47.89
23 21 13 23-1200	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	154.39		70.83
23 21 13 23-1201	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	206.19		93.17
23 21 13 23-1202	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	277.62		96.73

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1203		Reducing Couplings, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1152)			
23 21 13 23-1204	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	41.93		23.64
23 21 13 23-1205	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	47.17		26.39
23 21 13 23-1206	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	55.98		29.50
23 21 13 23-1207	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	64.67		33.44
23 21 13 23-1208	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	76.76		37.63
23 21 13 23-1209	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	98.57		47.89
23 21 13 23-1210	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	171.22		70.83
23 21 13 23-1211	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	240.12		93.17
23 21 13 23-1212	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.....	348.16		96.73
23 21 13 23-1213		Caps, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1152)			
23 21 13 23-1214	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.....	24.18		11.11
23 21 13 23-1215	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.....	27.64		11.83
23 21 13 23-1216	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 Lb.....	32.45		13.62
23 21 13 23-1217	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.....	37.81		14.81
23 21 13 23-1218	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.....	43.56		14.81
23 21 13 23-1219	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.....	56.53		18.99
23 21 13 23-1220	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.....	101.32		23.64
23 21 13 23-1221	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 Lb.....	146.68		28.55
23 21 13 23-1222	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.....	211.64		33.10
23 21 13 23-1223		Black Cast Iron Square Head Plug (23 21 13 23-1152)			
23 21 13 23-1224	EA	1/2" Square Head Plug, Black Cast Iron.....	15.09		9.43
23 21 13 23-1225	EA	3/4" Square Head Plug, Black Cast Iron.....	16.57		9.43
23 21 13 23-1226	EA	1" Square Head Plug, Black Cast Iron.....	24.16		14.33
23 21 13 23-1227	EA	1-1/4" Square Head Plug, Black Cast Iron.....	24.45		14.33
23 21 13 23-1228	EA	1-1/2" Square Head Plug, Black Cast Iron.....	25.68		14.33
23 21 13 23-1229	EA	2" Square Head Plug, Black Cast Iron.....	34.08		18.99
23 21 13 23-1230	EA	2-1/2" Square Head Plug, Black Cast Iron.....	43.42		23.64
23 21 13 23-1231	EA	3" Square Head Plug, Black Cast Iron.....	55.71		28.55
23 21 13 23-1232	EA	4" Square Head Plug, Black Cast Iron.....	64.83		33.10
23 21 13 23-1233		Unions, 6,000 Lb. Carbon Steel Socket Weld (23 21 13 23-1152)			
23 21 13 23-1234	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.....	70.18		29.50
23 21 13 23-1235	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.....	77.66		34.04
23 21 13 23-1236	EA	1" Union, Carbon Steel, Socket Weld, 6,000 Lb.....	99.22		40.25
23 21 13 23-1237	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.....	125.43		47.89
23 21 13 23-1238	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.....	151.14		57.09
23 21 13 23-1239	EA	2" Union, Carbon Steel, Socket Weld, 6,000 Lb.....	188.98		70.83
23 21 13 23-1240	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.....	327.44		76.92
23 21 13 23-1241	EA	3" Union, Carbon Steel, Socket Weld, 6,000 Lb.....	440.23		93.17
23 21 13 23-1242		Carbon Steel, Seamless Piping System (23 21 13 23-1061)			
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.					
23 21 13 23-1243		Schedule 40, Carbon Steel, Seamless Piping (23 21 13 23-1242)			
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.					
23 21 13 23-1244	LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	11.05		4.42
		For Schedule 80, Add	1.59		
23 21 13 23-1245	LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	11.28		4.78
		For Schedule 80, Add	1.45		
		For Schedule 160, Add	6.06		
23 21 13 23-1246	LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	12.65		5.13
		For Schedule 80, Add	1.78		
		For Schedule 160, Add	7.41		
23 21 13 23-1247	LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	13.45		5.62
		For Schedule 80, Add	1.84		
		For Schedule 160, Add	7.65		
23 21 13 23-1248	LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	18.65		6.93
		For Schedule 80, Add	2.97		
		For Schedule 160, Add	12.39		
23 21 13 23-1249	LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	22.46		8.36
		For Schedule 80, Add	3.56		
		For Schedule 160, Add	14.84		
23 21 13 23-1250		90 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1242)			
23 21 13 23-1251	EA	1/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel.....	31.16		18.16
23 21 13 23-1252	EA	1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel.....	37.29		21.26
23 21 13 23-1253	EA	3/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel.....	41.69		23.77
23 21 13 23-1254	EA	1" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel.....	47.42		26.51
23 21 13 23-1255	EA	1-1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel.....	70.47		33.92
23 21 13 23-1256	EA	2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel.....	89.36		43.12
23 21 13 23-1257	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	32.43		18.16
23 21 13 23-1258	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	37.76		21.26
23 21 13 23-1259	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	43.25		23.77
23 21 13 23-1260	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	50.82		26.51
23 21 13 23-1261	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	78.58		33.92
23 21 13 23-1262	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	98.33		43.12

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1263	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	42.18	21.26
23 21 13 23-1264	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	48.81	23.77
23 21 13 23-1265	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	56.66	26.51
23 21 13 23-1266	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	95.00	33.92
23 21 13 23-1267	EA	2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	141.87	43.12
23 21 13 23-1268 45 Degree Elbows, Screwed Carbon Steel (23 21 13 23-1242)				
23 21 13 23-1269	EA	1/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	33.93	18.16
23 21 13 23-1270	EA	1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	38.31	21.26
23 21 13 23-1271	EA	3/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	43.01	23.77
23 21 13 23-1272	EA	1" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	48.42	26.51
23 21 13 23-1273	EA	1-1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	67.23	33.92
23 21 13 23-1274	EA	2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	94.36	43.12
23 21 13 23-1275	EA	1/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	34.13	18.16
23 21 13 23-1276	EA	1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	39.47	21.26
23 21 13 23-1277	EA	3/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	44.34	23.77
23 21 13 23-1278	EA	1" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	51.89	26.51
23 21 13 23-1279	EA	1-1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	77.33	33.92
23 21 13 23-1280	EA	2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	101.12	43.12
23 21 13 23-1281	EA	1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	45.23	21.26
23 21 13 23-1282	EA	3/4" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	54.31	23.77
23 21 13 23-1283	EA	1" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	58.73	26.51
23 21 13 23-1284	EA	1-1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	106.71	33.92
23 21 13 23-1285	EA	2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	142.64	43.12
23 21 13 23-1286 Straight Tees, Screwed Carbon Steel (23 21 13 23-1242)				
23 21 13 23-1287	EA	1/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	41.41	25.20
23 21 13 23-1288	EA	1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	46.86	26.51
23 21 13 23-1289	EA	3/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	55.55	30.70
23 21 13 23-1290	EA	1" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	67.43	36.19
23 21 13 23-1291	EA	1-1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	104.71	51.36
23 21 13 23-1292	EA	2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	129.82	63.78
23 21 13 23-1293	EA	1/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	42.49	25.20
23 21 13 23-1294	EA	1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	47.56	26.51
23 21 13 23-1295	EA	3/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	57.90	30.70
23 21 13 23-1296	EA	1" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	69.45	36.19
23 21 13 23-1297	EA	1-1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	111.67	51.36
23 21 13 23-1298	EA	2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	141.34	63.78
23 21 13 23-1299	EA	1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	52.86	26.51
23 21 13 23-1300	EA	3/4" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	63.60	30.70
23 21 13 23-1301	EA	1" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	83.52	36.19
23 21 13 23-1302	EA	1-1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	127.66	51.36
23 21 13 23-1303	EA	2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	192.32	63.78
23 21 13 23-1304 Crosses, Screwed Carbon Steel (23 21 13 23-1242)				
23 21 13 23-1305	EA	1/4" Cross, 2,000 Lb., Screwed Carbon Steel	60.06	31.89
23 21 13 23-1306	EA	1/2" Cross, 2,000 Lb., Screwed Carbon Steel	70.12	35.83
23 21 13 23-1307	EA	3/4" Cross, 2,000 Lb., Screwed Carbon Steel	75.16	38.22
23 21 13 23-1308	EA	1" Cross, 2,000 Lb., Screwed Carbon Steel	92.43	46.10
23 21 13 23-1309	EA	1-1/2" Cross, 2,000 Lb., Screwed Carbon Steel	152.78	64.50
23 21 13 23-1310	EA	2" Cross, 2,000 Lb., Screwed Carbon Steel	195.37	79.67
23 21 13 23-1311	EA	1/2" Cross, 3,000 Lb., Screwed Carbon Steel	71.44	35.83
23 21 13 23-1312	EA	3/4" Cross, 3,000 Lb., Screwed Carbon Steel	82.78	38.22
23 21 13 23-1313	EA	1" Cross, 3,000 Lb., Screwed Carbon Steel	99.09	46.10
23 21 13 23-1314	EA	1-1/2" Cross, 3,000 Lb., Screwed Carbon Steel	162.38	64.50
23 21 13 23-1315	EA	2" Cross, 3,000 Lb., Screwed Carbon Steel	212.91	79.67
23 21 13 23-1316	EA	1/2" Cross, 6,000 Lb., Screwed Carbon Steel	96.24	35.83
23 21 13 23-1317	EA	3/4" Cross, 6,000 Lb., Screwed Carbon Steel	150.47	38.22
23 21 13 23-1318	EA	1" Cross, 6,000 Lb., Screwed Carbon Steel	203.39	46.10
23 21 13 23-1319	EA	1-1/2" Cross, 6,000 Lb., Screwed Carbon Steel	317.48	64.50
23 21 13 23-1320	EA	2" Cross, 6,000 Lb., Screwed Carbon Steel	352.38	79.67
23 21 13 23-1321 Straight Couplings, Screwed Carbon Steel (23 21 13 23-1242)				
23 21 13 23-1322	EA	1/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	29.67	18.16
23 21 13 23-1323	EA	1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	34.05	21.26
23 21 13 23-1324	EA	3/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	38.68	23.77
23 21 13 23-1325	EA	1" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	44.37	26.51
23 21 13 23-1326	EA	1-1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	62.29	33.92
23 21 13 23-1327	EA	2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	79.08	43.12
23 21 13 23-1328	EA	1/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	32.85	18.16
23 21 13 23-1329	EA	1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	36.06	21.26
23 21 13 23-1330	EA	3/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	40.22	23.77
23 21 13 23-1331	EA	1" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	46.43	26.51
23 21 13 23-1332	EA	1-1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	65.43	33.92
23 21 13 23-1333	EA	2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	90.57	43.12
23 21 13 23-1334 Reducing Couplings, Screwed Carbon Steel (23 21 13 23-1242)				
23 21 13 23-1335	EA	1/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	30.11	19.35
23 21 13 23-1336	EA	1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	35.09	21.26

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 21 13 23-1337	EA	3/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel.....	40.27	23.77
23 21 13 23-1338	EA	1" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel.....	46.58	26.51
23 21 13 23-1339	EA	1-1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	62.86	33.92
23 21 13 23-1340	EA	2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel.....	82.18	43.12
23 21 13 23-1341	EA	1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel.....	75.80	21.26
23 21 13 23-1342	EA	3/4" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel.....	79.60	23.77
23 21 13 23-1343	EA	1" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel.....	92.41	26.51
23 21 13 23-1344	EA	1-1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	130.66	33.92
23 21 13 23-1345	EA	2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel.....	184.80	43.12

23 21 13 23-1346 Caps, Screwed Carbon Steel (23 21 13 23-1242)

23 21 13 23-1347	EA	1/4" Cap, 3,000 Lb., Screwed Carbon Steel	14.09	8.12
23 21 13 23-1348	EA	1/2" Cap, 3,000 Lb., Screwed Carbon Steel	16.36	9.43
23 21 13 23-1349	EA	3/4" Cap, 3,000 Lb., Screwed Carbon Steel	18.88	10.63
23 21 13 23-1350	EA	1" Cap, 3,000 Lb., Screwed Carbon Steel	22.27	11.83
23 21 13 23-1351	EA	1-1/2" Cap, 3,000 Lb., Screwed Carbon Steel	29.83	15.05
23 21 13 23-1352	EA	2" Cap, 3,000 Lb., Screwed Carbon Steel	39.87	19.23
23 21 13 23-1353	EA	1/4" Cap, 6,000 Lb., Screwed Carbon Steel	17.91	8.12
23 21 13 23-1354	EA	1/2" Cap, 6,000 Lb., Screwed Carbon Steel	18.80	9.43
23 21 13 23-1355	EA	3/4" Cap, 6,000 Lb., Screwed Carbon Steel	22.86	10.63
23 21 13 23-1356	EA	1" Cap, 6,000 Lb., Screwed Carbon Steel	25.18	11.83
23 21 13 23-1357	EA	1-1/2" Cap, 6,000 Lb., Screwed Carbon Steel	41.68	15.05
23 21 13 23-1358	EA	2" Cap, 6,000 Lb., Screwed Carbon Steel	51.41	19.23

23 21 13 23-1359 Nipples, Screwed Carbon Steel (23 21 13 23-1242)

23 21 13 23-1360	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	18.13	10.87
23 21 13 23-1361	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	18.51	11.34
23 21 13 23-1362	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	18.41	11.34
23 21 13 23-1363	EA	1" Nipple, 2" Long, Screwed Carbon Steel	20.31	12.30
23 21 13 23-1364	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	22.82	13.26
23 21 13 23-1365	EA	2" Nipple, 2" Long, Screwed Carbon Steel	27.89	17.08
23 21 13 23-1366	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	18.86	10.87
23 21 13 23-1367	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	19.09	11.34
23 21 13 23-1368	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	19.07	11.34
23 21 13 23-1369	EA	1" Nipple, 4" Long, Screwed Carbon Steel	21.19	12.30
23 21 13 23-1370	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	24.39	13.26
23 21 13 23-1371	EA	2" Nipple, 4" Long, Screwed Carbon Steel	30.18	17.08
23 21 13 23-1372	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	20.60	10.87
23 21 13 23-1373	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	20.00	11.34
23 21 13 23-1374	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	20.09	11.34
23 21 13 23-1375	EA	1" Nipple, 6" Long, Screwed Carbon Steel	22.46	12.30
23 21 13 23-1376	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	26.54	13.26
23 21 13 23-1377	EA	2" Nipple, 6" Long, Screwed Carbon Steel	32.09	17.08

23 21 13 23-1378 Unions, Screwed Carbon Steel (23 21 13 23-1242)

23 21 13 23-1379	EA	1/4" Union, 3,000 Lb., Screwed Carbon Steel.....	38.41	26.39
23 21 13 23-1380	EA	1/2" Union, 3,000 Lb., Screwed Carbon Steel.....	41.06	26.51
23 21 13 23-1381	EA	3/4" Union, 3,000 Lb., Screwed Carbon Steel.....	47.22	30.70
23 21 13 23-1382	EA	1" Union, 3,000 Lb., Screwed Carbon Steel	56.16	36.19
23 21 13 23-1383	EA	1-1/2" Union, 3,000 Lb., Screwed Carbon Steel	80.21	51.36
23 21 13 23-1384	EA	2" Union, 3,000 Lb., Screwed Carbon Steel	99.53	63.78
23 21 13 23-1385	EA	1/4" Union, 6,000 Lb., Screwed Carbon Steel.....	55.29	26.39
23 21 13 23-1386	EA	1/2" Union, 6,000 Lb., Screwed Carbon Steel.....	61.46	26.51
23 21 13 23-1387	EA	3/4" Union, 6,000 Lb., Screwed Carbon Steel.....	71.94	30.70
23 21 13 23-1388	EA	1" Union, 6,000 Lb., Screwed Carbon Steel	86.62	36.19
23 21 13 23-1389	EA	1-1/2" Union, 6,000 Lb., Screwed Carbon Steel	142.49	51.36
23 21 13 23-1390	EA	2" Union, 6,000 Lb., Screwed Carbon Steel	176.19	63.78

23 21 13 23-1391 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1242)

23 21 13 23-1392	EA	1/2" Flange, 150 Lb., Screwed Carbon Steel.....	82.99	49.33
23 21 13 23-1393	EA	3/4" Flange, 150 Lb., Screwed Carbon Steel.....	86.86	51.72
23 21 13 23-1394	EA	1" Flange, 150 Lb., Screwed Carbon Steel.....	90.23	53.98
23 21 13 23-1395	EA	1-1/2" Flange, 150 Lb., Screwed Carbon Steel.....	100.77	60.80
23 21 13 23-1396	EA	2" Flange, 150 Lb., Screwed Carbon Steel.....	104.75	63.42
23 21 13 23-1397	EA	1/2" Flange, 300 Lb., Screwed Carbon Steel.....	83.57	49.33
		For Ring Type Joint, Add	9.55	
		For Blind Flange, Deduct	-31.52	
23 21 13 23-1398	EA	3/4" Flange, 300 Lb., Screwed Carbon Steel.....	87.47	51.72
		For Ring Type Joint, Add	9.87	
		For Blind Flange, Deduct	-33.01	
23 21 13 23-1399	EA	1" Flange, 300 Lb., Screwed Carbon Steel.....	91.15	53.98
		For Ring Type Joint, Add	10.18	
		For Blind Flange, Deduct	-34.42	
23 21 13 23-1400	EA	1-1/2" Flange, 300 Lb., Screwed Carbon Steel.....	102.96	60.80
		For Ring Type Joint, Add	11.78	
		For Blind Flange, Deduct	-38.83	
23 21 13 23-1401	EA	2" Flange, 300 Lb., Screwed Carbon Steel.....	106.94	63.42
		For Ring Type Joint, Add	11.78	
		For Blind Flange, Deduct	-40.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1402	EA		1/2" Flange, 600 Lb., Screwed Carbon Steel.....	87.32	49.33
			For Ring Type Joint, Add	13.30	
			For Blind Flange, Deduct	-32.27	
23 21 13 23-1403	EA		3/4" Flange, 600 Lb., Screwed Carbon Steel.....	90.90	51.72
			For Ring Type Joint, Add	13.30	
			For Blind Flange, Deduct	-33.70	
23 21 13 23-1404	EA		1" Flange, 600 Lb., Screwed Carbon Steel.....	94.88	53.98
			For Ring Type Joint, Add	13.91	
			For Blind Flange, Deduct	-35.17	
23 21 13 23-1405	EA		1-1/2" Flange, 600 Lb., Screwed Carbon Steel.....	107.58	60.80
			For Ring Type Joint, Add	16.40	
			For Blind Flange, Deduct	-39.75	
23 21 13 23-1406	EA		2" Flange, 600 Lb., Screwed Carbon Steel.....	110.42	63.42
			For Ring Type Joint, Add	15.26	
			For Blind Flange, Deduct	-41.12	
23 21 13 23-1407			Square Head Plugs, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1408	EA		1/4" Square Head Plug, Screwed Carbon Steel.....	5.83	3.34
23 21 13 23-1409	EA		1/2" Square Head Plug, Screwed Carbon Steel.....	6.99	3.95
23 21 13 23-1410	EA		3/4" Square Head Plug, Screwed Carbon Steel.....	8.06	4.54
23 21 13 23-1411	EA		1" Square Head Plug, Screwed Carbon Steel.....	11.77	6.68
23 21 13 23-1412	EA		1-1/2" Square Head Plug, Screwed Carbon Steel.....	13.99	6.68
23 21 13 23-1413	EA		2" Square Head Plug, Screwed Carbon Steel.....	19.69	8.72
23 21 13 23-1414			Hex Head Plugs, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1415	EA		1/4" Hex Head Plug, Screwed Carbon Steel.....	5.61	3.34
23 21 13 23-1416	EA		1/2" Hex Head Plug, Screwed Carbon Steel.....	6.78	3.95
23 21 13 23-1417	EA		3/4" Hex Head Plug, Screwed Carbon Steel.....	7.92	4.54
23 21 13 23-1418	EA		1" Hex Head Plug, Screwed Carbon Steel.....	11.65	6.68
23 21 13 23-1419	EA		1-1/2" Hex Head Plug, Screwed Carbon Steel.....	13.50	6.68
23 21 13 23-1420	EA		2" Hex Head Plug, Screwed Carbon Steel.....	20.04	8.72
23 21 13 23-1421			Round Head Plugs, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1422	EA		1/4" Round Head Plug, Screwed Carbon Steel.....	6.33	3.34
23 21 13 23-1423	EA		1/2" Round Head Plug, Screwed Carbon Steel.....	7.02	3.95
23 21 13 23-1424	EA		3/4" Round Head Plug, Screwed Carbon Steel.....	7.96	4.54
23 21 13 23-1425	EA		1" Round Head Plug, Screwed Carbon Steel.....	11.85	6.68
23 21 13 23-1426	EA		1-1/2" Round Head Plug, Screwed Carbon Steel.....	14.60	6.68
23 21 13 23-1427	EA		2" Round Head Plug, Screwed Carbon Steel.....	19.90	8.72
23 21 13 23-1428			Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1429	EA		1/4" Hex Bushing, Screwed Carbon Steel.....	5.77	3.34
23 21 13 23-1430	EA		1/2" Hex Bushing, Screwed Carbon Steel.....	6.77	3.95
23 21 13 23-1431	EA		3/4" Hex Bushing, Screwed Carbon Steel.....	7.87	4.54
23 21 13 23-1432	EA		1" Hex Bushing, Screwed Carbon Steel.....	11.81	6.68
23 21 13 23-1433	EA		1-1/2" Hex Bushing, Screwed Carbon Steel.....	13.46	6.68
23 21 13 23-1434	EA		2" Hex Bushing, Screwed Carbon Steel.....	19.53	8.72
23 21 13 23-1435			90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-1242)		
23 21 13 23-1436	EA		1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	35.20	18.16
23 21 13 23-1437	EA		1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	40.46	21.26
23 21 13 23-1438	EA		3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	46.72	23.77
23 21 13 23-1439	EA		1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	53.97	26.51
23 21 13 23-1440	EA		1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	81.13	33.92
23 21 13 23-1441	EA		2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel.....	107.85	43.12
23 21 13 23-1442	EA		1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel.....	52.00	21.26
23 21 13 23-1443	EA		3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel.....	70.18	23.77
23 21 13 23-1444	EA		1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel.....	93.23	26.51
23 21 13 23-1445	EA		1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel.....	189.11	33.92
23 21 13 23-1446			Screwed Carbon Steel Laterals (23 21 13 23-1242)		
23 21 13 23-1447	EA		1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	119.28	26.51
23 21 13 23-1448	EA		3/4" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	142.69	30.70
23 21 13 23-1449	EA		1" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	173.84	36.19
23 21 13 23-1450	EA		1-1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	226.33	51.36
23 21 13 23-1451	EA		2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel.....	282.14	63.78
23 21 13 23-1452	EA		1/2" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel.....	146.23	26.51
23 21 13 23-1453	EA		3/4" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel.....	182.77	30.70
23 21 13 23-1454	EA		1" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel.....	216.70	36.19
23 21 13 23-1455	EA		1-1/2" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel.....	305.12	51.36
23 21 13 23-1456			Grooved-Joint Pipe (23 21 13 23)		
			Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1457			Schedule 10 Black Grooved Pipe (23 21 13 23-1456)		
23 21 13 23-1458	LF		2" Black Schedule 10 Grooved Pipe.....	32.30	15.17
			For Work In Restricted Working Space, Add	6.81	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1459	LF	2-1/2" Black Schedule 10 Grooved Pipe.....	43.64	20.79
		<i>For Work In Restricted Working Space, Add</i>	9.35	
23 21 13 23-1460	LF	3" Black Schedule 10 Grooved Pipe.....	48.95	23.05
		<i>For Work In Restricted Working Space, Add</i>	10.37	
23 21 13 23-1461	LF	3-1/2" Black Schedule 10 Grooved Pipe.....	54.29	23.89
		<i>For Work In Restricted Working Space, Add</i>	10.76	
23 21 13 23-1462	LF	4" Black Schedule 10 Grooved Pipe.....	57.71	25.92
		<i>For Work In Restricted Working Space, Add</i>	11.64	
23 21 13 23-1463	LF	5" Black Schedule 10 Grooved Pipe.....	80.76	31.77
		<i>For Work In Restricted Working Space, Add</i>	14.27	
23 21 13 23-1464	LF	6" Black Schedule 10 Grooved Pipe.....	104.77	45.15
		<i>For Work In Restricted Working Space, Add</i>	20.29	
23 21 13 23-1465	LF	8" Black Schedule 10 Grooved Pipe.....	141.46	50.64
		<i>For Work In Restricted Working Space, Add</i>	22.76	
23 21 13 23-1466	LF	10" Black Schedule 10 Grooved Pipe.....	176.97	61.04
		<i>For Work In Restricted Working Space, Add</i>	27.45	
23 21 13 23-1467	LF	12" Black Schedule 10 Grooved Pipe.....	203.96	69.15
		<i>For Work In Restricted Working Space, Add</i>	31.10	

23 21 13 23-1468 Schedule 40 Black Grooved Pipe (23 21 13 23-1456)

23 21 13 23-1469	LF	3/4" Black Schedule 40 Grooved Pipe.....	19.38	9.20
		<i>For Work In Restricted Working Space, Add</i>	4.12	
23 21 13 23-1470	LF	1" Black Schedule 40 Grooved Pipe.....	21.89	10.39
		<i>For Work In Restricted Working Space, Add</i>	4.65	
23 21 13 23-1471	LF	1-1/4" Black Schedule 40 Grooved Pipe.....	24.80	11.22
		<i>For Work In Restricted Working Space, Add</i>	5.05	
23 21 13 23-1472	LF	1-1/2" Black Schedule 40 Grooved Pipe.....	28.22	12.78
		<i>For Work In Restricted Working Space, Add</i>	5.74	
23 21 13 23-1473	LF	2" Black Schedule 40 Grooved Pipe.....	35.61	16.25
		<i>For Work In Restricted Working Space, Add</i>	7.32	
23 21 13 23-1474	LF	2-1/2" Black Schedule 40 Grooved Pipe.....	49.53	22.22
		<i>For Work In Restricted Working Space, Add</i>	10.01	
23 21 13 23-1475	LF	3" Black Schedule 40 Grooved Pipe.....	58.31	25.33
		<i>For Work In Restricted Working Space, Add</i>	11.41	
23 21 13 23-1476	LF	4" Black Schedule 40 Grooved Pipe.....	71.10	28.18
		<i>For Work In Restricted Working Space, Add</i>	12.68	
23 21 13 23-1477	LF	5" Black Schedule 40 Grooved Pipe.....	97.18	34.28
		<i>For Work In Restricted Working Space, Add</i>	15.42	
23 21 13 23-1478	LF	6" Black Schedule 40 Grooved Pipe.....	131.23	49.45
		<i>For Work In Restricted Working Space, Add</i>	22.22	
23 21 13 23-1479	LF	8" Black Schedule 40 Grooved Pipe.....	172.77	56.02
		<i>For Work In Restricted Working Space, Add</i>	25.22	
23 21 13 23-1480	LF	10" Black Schedule 40 Grooved Pipe.....	236.56	66.89
		<i>For Work In Restricted Working Space, Add</i>	30.10	
23 21 13 23-1481	LF	12" Black Schedule 40 Grooved Pipe.....	278.34	76.80
		<i>For Work In Restricted Working Space, Add</i>	34.56	
23 21 13 23-1482	LF	14" Black Schedule 40 Grooved Pipe.....	367.77	103.80
		<i>For Work In Restricted Working Space, Add</i>	46.66	
23 21 13 23-1483	LF	16" Black Schedule 40 Grooved Pipe.....	426.89	122.07
		<i>For Work In Restricted Working Space, Add</i>	54.89	
23 21 13 23-1484	LF	18" Black Schedule 40 Grooved Pipe.....	529.45	148.23
		<i>For Work In Restricted Working Space, Add</i>	66.65	
23 21 13 23-1485	LF	20" Black Schedule 40 Grooved Pipe.....	610.83	172.83
		<i>For Work In Restricted Working Space, Add</i>	77.76	
23 21 13 23-1486	LF	24" Black Schedule 40 Grooved Pipe.....	795.71	207.47
		<i>For Work In Restricted Working Space, Add</i>	93.31	

23 21 13 23-1487 Schedule 80 Black Grooved Pipe (23 21 13 23-1456)

23 21 13 23-1488	LF	3/4" Black Schedule 80 Grooved Pipe.....	21.23	10.04
		<i>For Work In Restricted Working Space, Add</i>	4.50	
23 21 13 23-1489	LF	1" Black Schedule 80 Grooved Pipe.....	23.50	10.63
		<i>For Work In Restricted Working Space, Add</i>	4.80	
23 21 13 23-1490	LF	1-1/4" Black Schedule 80 Grooved Pipe.....	27.49	11.83
		<i>For Work In Restricted Working Space, Add</i>	5.33	
23 21 13 23-1491	LF	1-1/2" Black Schedule 80 Grooved Pipe.....	31.26	13.26
		<i>For Work In Restricted Working Space, Add</i>	5.97	
23 21 13 23-1492	LF	2" Black Schedule 80 Grooved Pipe.....	40.44	17.08
		<i>For Work In Restricted Working Space, Add</i>	7.70	
23 21 13 23-1493	LF	2-1/2" Black Schedule 80 Grooved Pipe.....	56.86	23.53
		<i>For Work In Restricted Working Space, Add</i>	10.57	
23 21 13 23-1494	LF	3" Black Schedule 80 Grooved Pipe.....	67.56	26.39
		<i>For Work In Restricted Working Space, Add</i>	11.89	
23 21 13 23-1495	LF	4" Black Schedule 80 Grooved Pipe.....	84.20	28.79
		<i>For Work In Restricted Working Space, Add</i>	12.97	
23 21 13 23-1496	LF	5" Black Schedule 80 Grooved Pipe.....	127.43	36.19
		<i>For Work In Restricted Working Space, Add</i>	16.31	
23 21 13 23-1497	LF	6" Black Schedule 80 Grooved Pipe.....	166.61	51.84
		<i>For Work In Restricted Working Space, Add</i>	23.33	
23 21 13 23-1498	LF	8" Black Schedule 80 Grooved Pipe.....	246.50	59.25
		<i>For Work In Restricted Working Space, Add</i>	26.66	
23 21 13 23-1499	LF	10" Black Schedule 80 Grooved Pipe.....	306.45	71.55
		<i>For Work In Restricted Working Space, Add</i>	32.18	
23 21 13 23-1500	LF	12" Black Schedule 80 Grooved Pipe.....	324.49	86.48
		<i>For Work In Restricted Working Space, Add</i>	38.88	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1501		Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1456)		
23 21 13 23-1502	LF	3/4" Galvanized Schedule 40 Grooved Pipe.....	19.29	9.20
		For Work In Restricted Working Space, Add	4.12	
23 21 13 23-1503	LF	1" Galvanized Schedule 40 Grooved Pipe.....	22.29	10.39
		For Work In Restricted Working Space, Add	4.65	
23 21 13 23-1504	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe.....	24.76	11.22
		For Work In Restricted Working Space, Add	5.05	
23 21 13 23-1505	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe.....	28.18	12.78
		For Work In Restricted Working Space, Add	5.74	
23 21 13 23-1506	LF	2" Galvanized Schedule 40 Grooved Pipe.....	35.69	16.25
		For Work In Restricted Working Space, Add	7.32	
23 21 13 23-1507	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe.....	49.83	22.22
		For Work In Restricted Working Space, Add	10.01	
23 21 13 23-1508	LF	3" Galvanized Schedule 40 Grooved Pipe.....	58.89	25.33
		For Work In Restricted Working Space, Add	11.41	
23 21 13 23-1509	LF	4" Galvanized Schedule 40 Grooved Pipe.....	71.88	28.18
		For Work In Restricted Working Space, Add	12.68	
23 21 13 23-1510	LF	5" Galvanized Schedule 40 Grooved Pipe.....	99.61	34.28
		For Work In Restricted Working Space, Add	15.42	
23 21 13 23-1511	LF	6" Galvanized Schedule 40 Grooved Pipe.....	135.12	49.45
		For Work In Restricted Working Space, Add	22.22	
23 21 13 23-1512	LF	8" Galvanized Schedule 40 Grooved Pipe.....	177.01	56.02
		For Work In Restricted Working Space, Add	25.22	
23 21 13 23-1513	LF	10" Galvanized Schedule 40 Grooved Pipe.....	246.39	66.89
		For Work In Restricted Working Space, Add	30.10	
23 21 13 23-1514	LF	12" Galvanized Schedule 40 Grooved Pipe.....	290.46	76.80
		For Work In Restricted Working Space, Add	34.56	
23 21 13 23-1515		Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1456)		
23 21 13 23-1516	LF	3/4" Galvanized Schedule 80 Grooved Pipe.....	20.76	10.04
		For Work In Restricted Working Space, Add	4.50	
23 21 13 23-1517	LF	1" Galvanized Schedule 80 Grooved Pipe.....	26.44	10.63
		For Work In Restricted Working Space, Add	4.80	
23 21 13 23-1518	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe.....	27.02	11.83
		For Work In Restricted Working Space, Add	5.33	
23 21 13 23-1519	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe.....	34.99	14.09
		For Work In Restricted Working Space, Add	6.37	
23 21 13 23-1520	LF	2" Galvanized Schedule 80 Grooved Pipe.....	39.86	17.08
		For Work In Restricted Working Space, Add	7.70	
23 21 13 23-1521	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe.....	56.23	23.53
		For Work In Restricted Working Space, Add	10.57	
23 21 13 23-1522	LF	3" Galvanized Schedule 80 Grooved Pipe.....	67.15	26.39
		For Work In Restricted Working Space, Add	11.89	
23 21 13 23-1523	LF	4" Galvanized Schedule 80 Grooved Pipe.....	83.38	28.79
		For Work In Restricted Working Space, Add	12.97	
23 21 13 23-1524	LF	5" Galvanized Schedule 80 Grooved Pipe.....	123.70	36.19
		For Work In Restricted Working Space, Add	16.31	
23 21 13 23-1525	LF	6" Galvanized Schedule 80 Grooved Pipe.....	161.60	51.84
		For Work In Restricted Working Space, Add	23.33	
23 21 13 23-1526	LF	8" Galvanized Schedule 80 Grooved Pipe.....	236.88	59.25
		For Work In Restricted Working Space, Add	26.66	
23 21 13 23-1527	LF	10" Galvanized Schedule 80 Grooved Pipe.....	282.18	71.55
		For Work In Restricted Working Space, Add	32.18	
23 21 13 23-1528	LF	12" Galvanized Schedule 80 Grooved Pipe.....	311.76	86.48
		For Work In Restricted Working Space, Add	38.88	
23 21 13 23-1529		Painted Grooved-Joint Pipe Fittings (23 21 13 23)		
		Note: Couplings are not included with fittings.		
23 21 13 23-1530		Grooved Elbows (23 21 13 23-1529)		
23 21 13 23-1531		90 Degree Grooved Elbows (23 21 13 23-1530)		
		Note: Victaulic No. 10		
23 21 13 23-1532	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	79.62	13.02
		For Work In Restricted Working Space, Add	5.86	
		For Galvanized Fittings, Add	19.83	
23 21 13 23-1533	EA	1", Ductile Iron, Grooved 90 Degree Elbow	79.62	13.02
		For Work In Restricted Working Space, Add	5.86	
		For Galvanized Fittings, Add	19.83	
23 21 13 23-1534	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	84.50	16.25
		For Work In Restricted Working Space, Add	7.32	
		For Galvanized Fittings, Add	19.83	
23 21 13 23-1535	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	89.67	19.71
		For Work In Restricted Working Space, Add	8.87	
		For Galvanized Fittings, Add	19.83	
23 21 13 23-1536	EA	2", Ductile Iron, Grooved 90 Degree Elbow	99.14	26.04
		For Work In Restricted Working Space, Add	11.71	
		For Galvanized Fittings, Add	19.83	
23 21 13 23-1537	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	107.65	31.77
		For Work In Restricted Working Space, Add	14.27	
		For Galvanized Fittings, Add	19.83	
23 21 13 23-1538	EA	3", Ductile Iron, Grooved 90 Degree Elbow	164.41	38.46
		For Work In Restricted Working Space, Add	17.29	
		For Galvanized Fittings, Add	35.23	
23 21 13 23-1539	EA	4", Ductile Iron, Grooved 90 Degree Elbow	192.37	50.76
		For Work In Restricted Working Space, Add	22.62	
		For Galvanized Fittings, Add	38.38	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 21 13 23-1540	EA 5", Ductile Iron, Grooved 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	378.16 28.53 93.41		63.42	
23 21 13 23-1541	EA 6", Ductile Iron, Grooved 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	453.39 37.32 108.56		83.01	
23 21 13 23-1542	EA 8", Ductile Iron, Grooved 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	840.50 44.44 228.49		98.78	
23 21 13 23-1543	EA 10", Ductile Iron, Grooved 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	1,251.54 51.84 355.98		115.26	
23 21 13 23-1544	EA 12", Ductile Iron, Grooved 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	1,936.41 62.21 570.58		138.31	
23 21 13 23-1545	EA 14", Steel, Grooved 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	3,829.91 70.23 1,186.61		156.11	
23 21 13 23-1546	EA 16", Steel, Grooved 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	4,964.32 77.75 1,552.70		172.83	
23 21 13 23-1547	EA 18", Steel, Grooved 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	6,250.55 84.92 1,969.27		188.83	
23 21 13 23-1548	EA 20", Steel, Grooved 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	8,136.38 88.34 2,587.83		196.36	
23 21 13 23-1549	EA 24", Steel, Grooved 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	11,632.70 104.41 3,723.94		232.20	
23 21 13 23-1550 45 Degree Grooved Elbows (23 21 13 23-1530)					
Note: Victaulic No. 11					
23 21 13 23-1551	EA 3/4", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	79.58 5.86 14.41		13.02	
23 21 13 23-1552	EA 1", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	79.58 5.86 14.41		13.02	
23 21 13 23-1553	EA 1-1/4", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	84.46 7.32 14.41		16.25	
23 21 13 23-1554	EA 1-1/2", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	89.63 8.87 14.41		19.71	
23 21 13 23-1555	EA 2", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	99.10 11.71 14.41		26.04	
23 21 13 23-1556	EA 2-1/2", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	107.61 14.27 14.41		31.77	
23 21 13 23-1557	EA 3", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	164.37 17.29 25.62		38.46	
23 21 13 23-1558	EA 4", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	192.37 22.82 27.91		50.76	
23 21 13 23-1559	EA 5", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	378.16 28.53 67.94		63.42	
23 21 13 23-1560	EA 6", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	453.39 37.32 78.96		83.01	
23 21 13 23-1561	EA 8", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	840.50 44.44 166.17		98.78	
23 21 13 23-1562	EA 10", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	1,251.54 51.84 258.90		115.26	
23 21 13 23-1563	EA 12", Ductile Iron, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	1,936.41 62.21 414.97		138.31	
23 21 13 23-1564	EA 14", Steel, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	3,829.91 70.23 862.99		156.11	
23 21 13 23-1565	EA 16", Steel, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	4,964.32 77.75 1,129.23		172.83	
23 21 13 23-1566	EA 18", Steel, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	6,250.55 84.92 1,432.20		188.83	
23 21 13 23-1567	EA 20", Steel, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	8,136.38 88.50 1,882.06		196.72	
23 21 13 23-1568	EA 24", Steel, Grooved 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	11,632.70 104.41 2,708.32		232.20	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1569		22-1/2 Degree Grooved Elbows (23 21 13 23-1530) Note: Victaulic No. 12		
23 21 13 23-1570	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow	83.53	13.02
		For Work In Restricted Working Space, Add	5.86	
		For Galvanized Fittings, Add	15.36	
23 21 13 23-1571	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	88.41	16.25
		For Work In Restricted Working Space, Add	7.32	
		For Galvanized Fittings, Add	15.36	
23 21 13 23-1572	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	93.58	19.71
		For Work In Restricted Working Space, Add	8.87	
		For Galvanized Fittings, Add	15.36	
23 21 13 23-1573	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow	103.05	26.04
		For Work In Restricted Working Space, Add	11.71	
		For Galvanized Fittings, Add	15.36	
23 21 13 23-1574	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	111.56	31.77
		For Work In Restricted Working Space, Add	14.27	
		For Galvanized Fittings, Add	15.36	
23 21 13 23-1575	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow	151.27	38.46
		For Work In Restricted Working Space, Add	17.29	
		For Galvanized Fittings, Add	22.47	
23 21 13 23-1576	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow	201.62	50.76
		For Work In Restricted Working Space, Add	22.82	
		For Galvanized Fittings, Add	30.13	
23 21 13 23-1577	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow	484.41	63.42
		For Work In Restricted Working Space, Add	28.53	
		For Galvanized Fittings, Add	93.44	
23 21 13 23-1578	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow	480.06	83.01
		For Work In Restricted Working Space, Add	37.32	
		For Galvanized Fittings, Add	85.36	
23 21 13 23-1579	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow	892.26	98.78
		For Work In Restricted Working Space, Add	44.44	
		For Galvanized Fittings, Add	178.59	
23 21 13 23-1580	EA	10", Steel, Grooved 22-1/2 Degree Elbow	1,194.42	115.26
		For Work In Restricted Working Space, Add	51.84	
		For Galvanized Fittings, Add	245.19	
23 21 13 23-1581	EA	12", Steel, Grooved 22-1/2 Degree Elbow	1,588.51	138.31
		For Work In Restricted Working Space, Add	62.21	
		For Galvanized Fittings, Add	331.47	
23 21 13 23-1582	EA	14", Steel, Grooved 22-1/2 Degree Elbow	1,829.36	156.11
		For Work In Restricted Working Space, Add	70.23	
		For Galvanized Fittings, Add	382.86	
23 21 13 23-1583	EA	16", Steel, Grooved 22-1/2 Degree Elbow	2,172.46	172.83
		For Work In Restricted Working Space, Add	77.75	
		For Galvanized Fittings, Add	459.19	
23 21 13 23-1584	EA	18", Steel, Grooved 22-1/2 Degree Elbow	2,600.19	188.83
		For Work In Restricted Working Space, Add	84.92	
		For Galvanized Fittings, Add	556.11	
23 21 13 23-1585	EA	20", Steel, Grooved 22-1/2 Degree Elbow	3,033.94	196.36
		For Work In Restricted Working Space, Add	88.34	
		For Galvanized Fittings, Add	657.47	
23 21 13 23-1586	EA	24", Steel, Grooved 22-1/2 Degree Elbow	4,029.27	232.20
		For Work In Restricted Working Space, Add	104.41	
		For Galvanized Fittings, Add	883.50	
23 21 13 23-1587		11-1/4 Degree Grooved Elbows (23 21 13 23-1530) Note: Victaulic No. 13		
23 21 13 23-1588	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow	83.53	13.02
		For Work In Restricted Working Space, Add	5.86	
		For Galvanized Fittings, Add	15.36	
23 21 13 23-1589	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow	88.41	16.25
		For Work In Restricted Working Space, Add	7.32	
		For Galvanized Fittings, Add	15.36	
23 21 13 23-1590	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	93.58	19.71
		For Work In Restricted Working Space, Add	8.87	
		For Galvanized Fittings, Add	15.36	
23 21 13 23-1591	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow	103.05	26.04
		For Work In Restricted Working Space, Add	11.71	
		For Galvanized Fittings, Add	15.36	
23 21 13 23-1592	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	111.56	31.77
		For Work In Restricted Working Space, Add	14.27	
		For Galvanized Fittings, Add	15.36	
23 21 13 23-1593	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow	151.26	38.46
		For Work In Restricted Working Space, Add	17.29	
		For Galvanized Fittings, Add	22.47	
23 21 13 23-1594	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow	201.61	50.76
		For Work In Restricted Working Space, Add	22.82	
		For Galvanized Fittings, Add	30.13	
23 21 13 23-1595	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow	484.39	63.42
		For Work In Restricted Working Space, Add	28.53	
		For Galvanized Fittings, Add	93.43	
23 21 13 23-1596	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow	480.05	83.01
		For Work In Restricted Working Space, Add	37.32	
		For Galvanized Fittings, Add	85.35	
23 21 13 23-1597	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow	892.22	98.78
		For Work In Restricted Working Space, Add	44.44	
		For Galvanized Fittings, Add	178.58	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 21 13 23-1598	EA 10", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,194.36 51.84 245.17		115.26
23 21 13 23-1599	EA 12", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,588.43 62.21 331.45		138.31
23 21 13 23-1600	EA 14", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,829.27 70.24 382.84		156.11
23 21 13 23-1601	EA 16", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	2,172.40 77.77 459.16		172.95
23 21 13 23-1602	EA 18", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	2,600.04 84.91 556.08		188.83
23 21 13 23-1603	EA 20", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,033.79 88.34 657.43		196.36
23 21 13 23-1604	EA 24", Steel, Grooved 11-1/4 Degree Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	4,029.07 104.41 883.45		232.20
23 21 13 23-1605 90 Degree Grooved Long Radius Elbows (23 21 13 23-1530)				
Note: Victaulic No. 100				
23 21 13 23-1606	EA 2", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	176.44 11.71 32.98		26.04
23 21 13 23-1607	EA 2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	446.24 14.27 95.69		31.77
23 21 13 23-1608	EA 3", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	195.04 17.29 32.98		38.46
23 21 13 23-1609	EA 4", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	281.91 22.82 49.40		50.76
23 21 13 23-1610	EA 5", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,150.07 28.53 253.20		63.42
23 21 13 23-1611	EA 6", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	726.53 37.32 144.51		83.01
23 21 13 23-1612	EA 8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,592.41 44.44 346.63		98.78
23 21 13 23-1613	EA 10", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,167.41 51.84 718.71		115.26
23 21 13 23-1614	EA 12", Ductile Iron, Grooved 90 Degree Long Radius Elbow For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,778.45 62.21 857.06		138.31
23 21 13 23-1615 Grooved Tees, Wyees And Crosses (23 21 13 23-1529)				
23 21 13 23-1616 Grooved Tees (23 21 13 23-1615)				
Note: Victaulic No. 20				
23 21 13 23-1617	EA 3/4", Ductile Iron, Grooved Tee..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	117.52 7.70 27.55		17.08
23 21 13 23-1618	EA 1", Ductile Iron, Grooved Tee..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	121.41 8.87 27.55		19.71
23 21 13 23-1619	EA 1-1/4", Ductile Iron, Grooved Tee For Work In Restricted Working Space, Add For Galvanized Fittings, Add	127.99 10.85 27.55		24.13
23 21 13 23-1620	EA 1-1/2", Ductile Iron, Grooved Tee For Work In Restricted Working Space, Add For Galvanized Fittings, Add	136.20 13.31 27.55		29.62
23 21 13 23-1621	EA 2", Ductile Iron, Grooved Tee..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	149.25 17.22 27.55		38.34
23 21 13 23-1622	EA 2-1/2", Ductile Iron, Grooved Tee For Work In Restricted Working Space, Add For Galvanized Fittings, Add	162.28 21.13 27.55		46.94
23 21 13 23-1623	EA 3", Ductile Iron, Grooved Tee..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	215.10 25.94 38.60		57.69
23 21 13 23-1624	EA 4", Ductile Iron, Grooved Tee..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	309.22 33.56 59.20		74.65
23 21 13 23-1625	EA 5", Ductile Iron, Grooved Tee..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	609.30 43.89 138.90		97.59
23 21 13 23-1626	EA 6", Ductile Iron, Grooved Tee..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	718.06 54.89 160.53		122.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1627	EA		8", Ductile Iron, Grooved Tee	1,391.02	148.23
			For Work In Restricted Working Space, Add	66.65	
			For Galvanized Fittings, Add	350.66	
23 21 13 23-1628	EA		10", Ductile Iron, Grooved Tee	2,346.43	172.83
			For Work In Restricted Working Space, Add	77.76	
			For Galvanized Fittings, Add	626.17	
23 21 13 23-1629	EA		12", Ductile Iron, Grooved Tee	3,233.16	207.47
			For Work In Restricted Working Space, Add	93.31	
			For Galvanized Fittings, Add	876.64	
23 21 13 23-1630	EA		14", Steel, Grooved Tee	3,533.38	230.52
			For Work In Restricted Working Space, Add	103.68	
			For Galvanized Fittings, Add	956.33	
23 21 13 23-1631	EA		16", Steel, Grooved Tee	4,408.18	231.83
			For Work In Restricted Working Space, Add	104.27	
			For Galvanized Fittings, Add	1,218.18	
23 21 13 23-1632	EA		18", Steel, Grooved Tee	5,468.62	255.72
			For Work In Restricted Working Space, Add	115.01	
			For Galvanized Fittings, Add	1,525.58	
23 21 13 23-1633	EA		20", Steel, Grooved Tee	7,675.74	259.79
			For Work In Restricted Working Space, Add	116.82	
			For Galvanized Fittings, Add	2,185.90	
23 21 13 23-1634	EA		24", Steel, Grooved Tee	11,673.68	319.15
			For Work In Restricted Working Space, Add	143.56	
			For Galvanized Fittings, Add	3,358.55	
23 21 13 23-1635 Grooved Wyes (90 Degree True Wye) (23 21 13 23-1615)					
Note: Victaulic No. 33					
23 21 13 23-1636	EA		1", Steel, Grooved Wye	417.06	19.71
			For Work In Restricted Working Space, Add	8.87	
			For Galvanized Fittings, Add	62.00	
23 21 13 23-1637	EA		1-1/4", Steel, Grooved Wye	423.64	24.13
			For Work In Restricted Working Space, Add	10.85	
			For Galvanized Fittings, Add	62.00	
23 21 13 23-1638	EA		1-1/2", Steel, Grooved Wye	431.85	29.62
			For Work In Restricted Working Space, Add	13.31	
			For Galvanized Fittings, Add	62.00	
23 21 13 23-1639	EA		2", Steel, Grooved Wye	444.90	38.34
			For Work In Restricted Working Space, Add	17.22	
			For Galvanized Fittings, Add	62.00	
23 21 13 23-1640	EA		2-1/2", Steel, Grooved Wye	457.93	46.94
			For Work In Restricted Working Space, Add	21.13	
			For Galvanized Fittings, Add	62.00	
23 21 13 23-1641	EA		3", Steel, Grooved Wye	549.64	57.69
			For Work In Restricted Working Space, Add	25.94	
			For Galvanized Fittings, Add	74.11	
23 21 13 23-1642	EA		4", Steel, Grooved Wye	718.57	74.65
			For Work In Restricted Working Space, Add	33.56	
			For Galvanized Fittings, Add	97.07	
23 21 13 23-1643	EA		5", Steel, Grooved Wye	1,015.91	97.59
			For Work In Restricted Working Space, Add	43.89	
			For Galvanized Fittings, Add	139.14	
23 21 13 23-1644	EA		6", Steel, Grooved Wye	1,258.92	122.07
			For Work In Restricted Working Space, Add	54.89	
			For Galvanized Fittings, Add	172.15	
23 21 13 23-1645	EA		8", Steel, Grooved Wye	1,771.83	148.23
			For Work In Restricted Working Space, Add	66.65	
			For Galvanized Fittings, Add	247.95	
23 21 13 23-1646	EA		10", Steel, Grooved Wye	2,933.89	172.83
			For Work In Restricted Working Space, Add	77.76	
			For Galvanized Fittings, Add	427.95	
23 21 13 23-1647	EA		12", Steel, Grooved Wye	3,265.95	207.47
			For Work In Restricted Working Space, Add	93.31	
			For Galvanized Fittings, Add	472.79	
23 21 13 23-1648	EA		14", Steel, Grooved Wye	3,719.79	230.52
			For Work In Restricted Working Space, Add	103.68	
			For Galvanized Fittings, Add	539.87	
23 21 13 23-1649	EA		16", Steel, Grooved Wye	4,729.84	231.59
			For Work In Restricted Working Space, Add	104.16	
			For Galvanized Fittings, Add	701.22	
23 21 13 23-1650	EA		18", Steel, Grooved Wye	5,397.01	255.96
			For Work In Restricted Working Space, Add	115.14	
			For Galvanized Fittings, Add	802.11	
23 21 13 23-1651	EA		20", Steel, Grooved Wye	7,659.65	259.30
			For Work In Restricted Working Space, Add	116.64	
			For Galvanized Fittings, Add	1,163.34	
23 21 13 23-1652	EA		24", Steel, Grooved Wye	11,782.67	319.15
			For Work In Restricted Working Space, Add	143.56	
			For Galvanized Fittings, Add	1,808.66	
23 21 13 23-1653 Grooved Crosses (23 21 13 23-1615)					
Note: Victaulic No. 35					
23 21 13 23-1654	EA		3/4", Steel, Grooved Cross	289.39	25.68
			For Work In Restricted Working Space, Add	11.56	
			For Galvanized Fittings, Add	37.63	
23 21 13 23-1655	EA		1", Steel, Grooved Cross	295.23	29.62
			For Work In Restricted Working Space, Add	13.31	
			For Galvanized Fittings, Add	37.63	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1656	EA 1-1/4", Steel, Grooved Cross	357.00	36.19
	For Work In Restricted Working Space, Add	16.26	
	For Galvanized Fittings, Add	45.42	
23 21 13 23-1657	EA 1-1/2", Steel, Grooved Cross	392.80	44.43
	For Work In Restricted Working Space, Add	19.96	
	For Galvanized Fittings, Add	48.94	
23 21 13 23-1658	EA 2", Steel, Grooved Cross	270.48	57.46
	For Work In Restricted Working Space, Add	25.83	
	For Galvanized Fittings, Add	27.66	
23 21 13 23-1659	EA 2-1/2", Steel, Grooved Cross	290.04	70.47
	For Work In Restricted Working Space, Add	31.70	
	For Galvanized Fittings, Add	27.66	
23 21 13 23-1660	EA 3", Steel, Grooved Cross	461.01	86.48
	For Work In Restricted Working Space, Add	38.90	
	For Galvanized Fittings, Add	49.70	
23 21 13 23-1661	EA 4", Steel, Grooved Cross	719.36	111.91
	For Work In Restricted Working Space, Add	50.35	
	For Galvanized Fittings, Add	82.73	
23 21 13 23-1662	EA 5", Steel, Grooved Cross	1,346.19	146.32
	For Work In Restricted Working Space, Add	65.83	
	For Galvanized Fittings, Add	169.01	
23 21 13 23-1663	EA 6", Steel, Grooved Cross	1,724.13	183.11
	For Work In Restricted Working Space, Add	82.34	
	For Galvanized Fittings, Add	217.45	
23 21 13 23-1664	EA 8", Steel, Grooved Cross	2,242.48	222.28
	For Work In Restricted Working Space, Add	99.98	
	For Galvanized Fittings, Add	286.38	
23 21 13 23-1665	EA 10", Steel, Grooved Cross	3,645.08	259.30
	For Work In Restricted Working Space, Add	116.64	
	For Galvanized Fittings, Add	488.44	
23 21 13 23-1666	EA 12", Steel, Grooved Cross	5,165.65	311.26
	For Work In Restricted Working Space, Add	139.97	
	For Galvanized Fittings, Add	704.86	
23 21 13 23-1667	EA 14", Steel, Grooved Cross	5,386.89	345.78
	For Work In Restricted Working Space, Add	155.52	
	For Galvanized Fittings, Add	730.27	
23 21 13 23-1668	EA 16", Steel, Grooved Cross	6,890.16	347.81
	For Work In Restricted Working Space, Add	156.42	
	For Galvanized Fittings, Add	955.31	
23 21 13 23-1669	EA 18", Steel, Grooved Cross	8,381.61	383.53
	For Work In Restricted Working Space, Add	172.50	
	For Galvanized Fittings, Add	1,170.99	
23 21 13 23-1670	EA 20", Steel, Grooved Cross	11,643.75	389.50
	For Work In Restricted Working Space, Add	175.20	
	For Galvanized Fittings, Add	1,658.96	
23 21 13 23-1671	EA 24", Steel, Grooved Cross	17,791.59	478.72
	For Work In Restricted Working Space, Add	215.34	
	For Galvanized Fittings, Add	2,561.07	

23 21 13 23-1672 Grooved Reducing Tees (23 21 13 23-1615)

Note: Victaulic No. 25

23 21 13 23-1673	EA 1", Steel, Grooved Reducing Tee	206.77	19.71
	For Work In Restricted Working Space, Add	8.87	
	For Galvanized Fittings, Add	35.44	
23 21 13 23-1674	EA 1-1/4", Steel, Grooved Reducing Tee	218.92	24.13
	For Work In Restricted Working Space, Add	10.85	
	For Galvanized Fittings, Add	36.55	
23 21 13 23-1675	EA 1-1/2", Steel, Grooved Reducing Tee	231.68	29.62
	For Work In Restricted Working Space, Add	13.31	
	For Galvanized Fittings, Add	37.46	
23 21 13 23-1676	EA 2", Steel, Grooved Reducing Tee	276.71	38.34
	For Work In Restricted Working Space, Add	17.22	
	For Galvanized Fittings, Add	43.86	
23 21 13 23-1677	EA 2-1/2", Steel, Grooved Reducing Tee	312.30	46.94
	For Work In Restricted Working Space, Add	21.13	
	For Galvanized Fittings, Add	48.37	
23 21 13 23-1678	EA 3", Steel, Grooved Reducing Tee	351.19	57.69
	For Work In Restricted Working Space, Add	25.94	
	For Galvanized Fittings, Add	52.95	
23 21 13 23-1679	EA 4", Steel, Grooved Reducing Tee	468.91	74.65
	For Work In Restricted Working Space, Add	33.56	
	For Galvanized Fittings, Add	71.41	
23 21 13 23-1680	EA 5", Steel, Grooved Reducing Tee	617.74	97.59
	For Work In Restricted Working Space, Add	43.89	
	For Galvanized Fittings, Add	94.29	
23 21 13 23-1681	EA 6", Steel, Grooved Reducing Tee	846.16	122.07
	For Work In Restricted Working Space, Add	54.89	
	For Galvanized Fittings, Add	132.64	
23 21 13 23-1682	EA 8", Steel, Grooved Reducing Tee	1,316.44	148.23
	For Work In Restricted Working Space, Add	66.65	
	For Galvanized Fittings, Add	218.85	
23 21 13 23-1683	EA 10", Steel, Grooved Reducing Tee	1,872.37	172.83
	For Work In Restricted Working Space, Add	77.76	
	For Galvanized Fittings, Add	322.63	
23 21 13 23-1684	EA 12", Steel, Grooved Reducing Tee	2,690.74	207.47
	For Work In Restricted Working Space, Add	93.31	
	For Galvanized Fittings, Add	475.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1685	EA		14", Steel, Grooved Reducing Tee For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,048.43 103.68 540.56	230.52
23 21 13 23-1686	EA		16", Steel, Grooved Reducing Tee For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,858.51 104.28 702.18	231.83
23 21 13 23-1687	EA		18", Steel, Grooved Reducing Tee For Work In Restricted Working Space, Add For Galvanized Fittings, Add	4,681.54 114.99 859.65	255.72
23 21 13 23-1688	EA		20", Steel, Grooved Reducing Tee For Work In Restricted Working Space, Add For Galvanized Fittings, Add	6,536.55 116.79 1,229.45	259.67
23 21 13 23-1689	EA		24", Steel, Grooved Reducing Tee For Work In Restricted Working Space, Add For Galvanized Fittings, Add	10,380.45 143.56 1,980.38	319.15
23 21 13 23-1690 Grooved 45 Degree Lateral Wyes (23 21 13 23-1615)					
Note: Victaulic No. 30					
23 21 13 23-1691	EA		3/4", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	392.64 7.70 66.05	17.08
23 21 13 23-1692	EA		1", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	396.53 8.87 66.05	19.71
23 21 13 23-1693	EA		1-1/4", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	403.11 10.85 66.05	24.13
23 21 13 23-1694	EA		1-1/2", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	411.32 13.31 66.05	29.62
23 21 13 23-1695	EA		2", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	424.37 17.22 66.05	38.34
23 21 13 23-1696	EA		2-1/2", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	437.40 21.13 66.05	46.94
23 21 13 23-1697	EA		3", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	403.47 25.94 57.06	57.69
23 21 13 23-1698	EA		3-1/2", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	636.77 29.90 96.68	66.52
23 21 13 23-1699	EA		4", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	737.09 33.56 112.54	74.65
23 21 13 23-1700	EA		5", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,060.03 43.89 164.47	97.59
23 21 13 23-1701	EA		6", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,655.12 54.89 264.99	122.07
23 21 13 23-1702	EA		8", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	2,342.61 66.65 381.68	148.23
23 21 13 23-1703	EA		10", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,252.16 77.76 538.73	172.83
23 21 13 23-1704	EA		12", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	3,929.66 93.31 651.35	207.47
23 21 13 23-1705	EA		14", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	5,627.22 103.68 950.69	230.52
23 21 13 23-1706	EA		16", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	6,945.76 104.28 1,187.67	231.83
23 21 13 23-1707	EA		18", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	7,759.25 114.99 1,327.67	255.72
23 21 13 23-1708	EA		20", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	11,577.38 116.79 2,013.85	259.67
23 21 13 23-1709	EA		24", Steel, Grooved, 45 Degree Lateral Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	17,863.95 143.56 3,129.38	319.15
23 21 13 23-1710 Grooved 45 Degree Lateral Reducing Wyes (23 21 13 23-1615)					
Note: Victaulic No. 30R					
23 21 13 23-1711	EA		3", Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	403.47 25.94 41.21	57.69
23 21 13 23-1712	EA		4", Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	737.09 33.56 81.28	74.65
23 21 13 23-1713	EA		5", Steel, Grooved 45 Degree Lateral Reducing Wye..... For Work In Restricted Working Space, Add For Galvanized Fittings, Add	1,060.03 43.89 118.78	97.59

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-1714	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	1,363.49 54.89 153.47		122.07
23 21 13 23-1715	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	1,926.36 66.65 221.54		148.23
23 21 13 23-1716	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	2,346.35 77.76 271.33		172.83
23 21 13 23-1717	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	2,847.44 93.31 329.73		207.47
23 21 13 23-1718	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	3,187.02 103.68 369.38		230.52
23 21 13 23-1719	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	4,020.39 104.28 477.46		231.83
23 21 13 23-1720	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	6,022.87 114.99 733.14		255.72
23 21 13 23-1721	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	8,644.15 116.79 1,073.13		259.67
23 21 13 23-1722	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	13,843.42 143.56 1,737.44		319.15
23 21 13 23-1723 Mechanical-T Outlet (23 21 13 23-1615)					
Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.					
23 21 13 23-1724	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	147.03 25.80 15.14		43.00
23 21 13 23-1725	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	147.03 25.80 15.14		43.00
23 21 13 23-1726	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i> <i>For Galvanized Fittings, Add</i>	156.55 25.80 17.50		43.00
23 21 13 23-1727	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i>	156.55 25.80		43.00
23 21 13 23-1728	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i>	157.77 29.02		48.38
23 21 13 23-1729	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i>	157.77 29.02		48.38
23 21 13 23-1730	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i>	182.92 29.02		48.38
23 21 13 23-1731	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i>	177.76 32.25		53.75
23 21 13 23-1732	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i>	177.76 32.25		53.75
23 21 13 23-1733	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i>	198.01 32.25		53.75
23 21 13 23-1734	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i>	198.01 32.25		53.75
23 21 13 23-1735	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i>	211.88 32.25		53.75
23 21 13 23-1736	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i>	232.93 43.00		71.67
23 21 13 23-1737	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i>	232.93 43.00		71.67
23 21 13 23-1738	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Work In Restricted Working Space, Add</i>	248.74 43.00		71.67
23 21 13 23-1739	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet..... <i>For Work In Restricted Working Space, Add</i>	253.18 43.00		71.67
23 21 13 23-1740	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet..... <i>For Work In Restricted Working Space, Add</i>	253.18 43.00		71.67
23 21 13 23-1741	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet..... <i>For Work In Restricted Working Space, Add</i>	257.62 43.00		71.67
23 21 13 23-1742	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet..... <i>For Work In Restricted Working Space, Add</i>	266.12 43.00		71.67
23 21 13 23-1743	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet..... <i>For Work In Restricted Working Space, Add</i>	331.98 59.12		98.53
23 21 13 23-1744	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet..... <i>For Work In Restricted Working Space, Add</i>	331.98 59.12		98.53
23 21 13 23-1745	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet..... <i>For Work In Restricted Working Space, Add</i>	339.66 59.12		98.53
23 21 13 23-1746	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet..... <i>For Work In Restricted Working Space, Add</i>	349.28 59.12		98.53
23 21 13 23-1747	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet..... <i>For Work In Restricted Working Space, Add</i>	388.88 75.25		125.41
23 21 13 23-1748	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet..... <i>For Work In Restricted Working Space, Add</i>	388.88 75.25		125.41
23 21 13 23-1749	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet..... <i>For Work In Restricted Working Space, Add</i>	400.16 75.25		125.41
23 21 13 23-1750	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet..... <i>For Work In Restricted Working Space, Add</i>	409.68 75.25		125.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1751	EA		6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	426.60	125.41
			For Work In Restricted Working Space, Add	75.25	
23 21 13 23-1752	EA		8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	576.34	166.02
			For Work In Restricted Working Space, Add	99.62	
23 21 13 23-1753	EA		8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	576.34	166.02
			For Work In Restricted Working Space, Add	99.62	
23 21 13 23-1754	EA		8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	589.93	166.02
			For Work In Restricted Working Space, Add	99.62	
23 21 13 23-1755	EA		8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	597.98	166.02
			For Work In Restricted Working Space, Add	99.62	
23 21 13 23-1756 Installation-Ready™ Grooved Fittings (23 21 13 23-1529)					
23 21 13 23-1757 Installation-Ready™ 90 Degree Grooved Elbows (23 21 13 23-1756)					
Note: Victaulic No. 101					
23 21 13 23-1758	EA		1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	272.85	11.83
			For Work In Restricted Working Space, Add	5.38	
			For Galvanized Fittings, Add	84.13	
			For Galvanized Fittings, Add	65.26	
23 21 13 23-1759	EA		1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	283.93	14.19
			For Work In Restricted Working Space, Add	6.45	
			For Galvanized Fittings, Add	86.60	
			For Galvanized Fittings, Add	67.18	
23 21 13 23-1760	EA		2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	292.98	18.92
			For Work In Restricted Working Space, Add	8.60	
			For Galvanized Fittings, Add	87.22	
			For Galvanized Fittings, Add	67.66	
23 21 13 23-1761	EA		2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	354.50	23.64
			For Work In Restricted Working Space, Add	10.75	
			For Galvanized Fittings, Add	105.16	
			For Galvanized Fittings, Add	81.58	
23 21 13 23-1762 Installation-Ready™ 45 Degree Grooved Elbows (23 21 13 23-1756)					
Note: Victaulic No. 103					
23 21 13 23-1763	EA		1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	272.85	11.83
			For Work In Restricted Working Space, Add	5.38	
			For Galvanized Fittings, Add	61.18	
			For Galvanized Fittings, Add	65.26	
23 21 13 23-1764	EA		1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	283.93	14.19
			For Work In Restricted Working Space, Add	6.45	
			For Galvanized Fittings, Add	62.98	
			For Galvanized Fittings, Add	67.18	
23 21 13 23-1765	EA		2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	292.98	18.92
			For Work In Restricted Working Space, Add	8.60	
			For Galvanized Fittings, Add	63.43	
			For Galvanized Fittings, Add	67.66	
23 21 13 23-1766	EA		2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	354.50	23.64
			For Work In Restricted Working Space, Add	10.75	
			For Galvanized Fittings, Add	76.48	
			For Galvanized Fittings, Add	81.58	
23 21 13 23-1767 Installation-Ready™ Grooved Tees (23 21 13 23-1756)					
Note: Victaulic No. 102					
23 21 13 23-1768	EA		1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	417.54	15.76
			For Work In Restricted Working Space, Add	7.17	
			For Galvanized Fittings, Add	118.10	
			For Galvanized Fittings, Add	100.77	
23 21 13 23-1769	EA		1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	435.44	18.92
			For Work In Restricted Working Space, Add	8.60	
			For Galvanized Fittings, Add	122.03	
			For Galvanized Fittings, Add	104.13	
23 21 13 23-1770	EA		2" Ductile Iron, Grooved, Installation-Ready™ Tee	450.61	25.22
			For Work In Restricted Working Space, Add	11.47	
			For Galvanized Fittings, Add	123.72	
			For Galvanized Fittings, Add	105.57	
23 21 13 23-1771	EA		2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	523.90	31.54
			For Work In Restricted Working Space, Add	14.33	
			For Galvanized Fittings, Add	142.84	
			For Galvanized Fittings, Add	121.89	
23 21 13 23-1772 Grooved Fittings (23 21 13 23-1529)					
23 21 13 23-1773 Flanged Adapter Nipple, Grooved (23 21 13 23-1772)					
Note: Victaulic No. 41 and 45					
23 21 13 23-1774	EA		1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	279.75	14.33
			For Work In Restricted Working Space, Add	6.45	
			For Galvanized Fittings, Add	46.49	
			For 300 Lb. Rating, Add	38.74	
23 21 13 23-1775	EA		1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	282.14	15.88
			For Work In Restricted Working Space, Add	7.17	
			For Galvanized Fittings, Add	46.49	
			For 300 Lb. Rating, Add	38.74	
23 21 13 23-1776	EA		1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	288.12	19.95
			For Work In Restricted Working Space, Add	8.96	
			For Galvanized Fittings, Add	46.49	
			For 300 Lb. Rating, Add	38.74	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-1777	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	300.68		28.30
		For Work In Restricted Working Space, Add	12.73		
		For Galvanized Fittings, Add	46.49		
		For 300 Lb. Rating, Add	38.74		
23 21 13 23-1778	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	309.66		34.28
		For Work In Restricted Working Space, Add	15.42		
		For Galvanized Fittings, Add	46.49		
		For 300 Lb. Rating, Add	38.74		
23 21 13 23-1779	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	391.80		40.97
		For Work In Restricted Working Space, Add	18.41		
		For Galvanized Fittings, Add	59.48		
		For 300 Lb. Rating, Add	49.57		
23 21 13 23-1780	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	476.78		55.18
		For Work In Restricted Working Space, Add	24.81		
		For Galvanized Fittings, Add	70.94		
		For 300 Lb. Rating, Add	59.11		
23 21 13 23-1781	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	663.23		66.77
		For Work In Restricted Working Space, Add	30.03		
		For Galvanized Fittings, Add	101.36		
		For 300 Lb. Rating, Add	84.47		
23 21 13 23-1782	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	777.73		90.18
		For Work In Restricted Working Space, Add	40.57		
		For Galvanized Fittings, Add	115.65		
		For 300 Lb. Rating, Add	96.38		
23 21 13 23-1783	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,069.83		122.07
		For Work In Restricted Working Space, Add	54.89		
		For Galvanized Fittings, Add	159.63		
		For 300 Lb. Rating, Add	133.03		
23 21 13 23-1784	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,669.40		148.23
		For Work In Restricted Working Space, Add	66.65		
		For Galvanized Fittings, Add	260.50		
		For 300 Lb. Rating, Add	217.08		
23 21 13 23-1785	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,238.01		172.83
		For Work In Restricted Working Space, Add	77.76		
		For Galvanized Fittings, Add	356.19		
		For 300 Lb. Rating, Add	296.82		
23 21 13 23-1786	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	2,644.60		207.47
		For Work In Restricted Working Space, Add	93.31		
		For Galvanized Fittings, Add	420.04		
		For 300 Lb. Rating, Add	350.03		
23 21 13 23-1787	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	3,939.33		230.52
		For Work In Restricted Working Space, Add	103.68		
		For Galvanized Fittings, Add	646.87		
		For 300 Lb. Rating, Add	539.06		
23 21 13 23-1788	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	4,739.53		345.78
		For Work In Restricted Working Space, Add	155.52		
		For Galvanized Fittings, Add	759.80		
		For 300 Lb. Rating, Add	633.17		
23 21 13 23-1789	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	5,021.86		414.94
		For Work In Restricted Working Space, Add	186.62		
		For Galvanized Fittings, Add	791.96		
		For 300 Lb. Rating, Add	659.97		
23 21 13 23-1790	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	8,281.36		461.04
		For Work In Restricted Working Space, Add	207.36		
		For Galvanized Fittings, Add	1,366.23		
		For 300 Lb. Rating, Add	1,138.52		
23 21 13 23-1791		Grooved Concentric Reducers (23 21 13 23-1772)			
		Note: Victaulic No. 50			
23 21 13 23-1792	EA	1-1/4" x 3/4", Grooved Concentric Reducer.....	296.95		14.33
		For Work In Restricted Working Space, Add	6.45		
		For Galvanized Fittings, Add	12.12		
23 21 13 23-1793	EA	1-1/4" x 1", Grooved Concentric Reducer.....	310.56		15.17
		For Work In Restricted Working Space, Add	6.81		
		For Galvanized Fittings, Add	12.67		
23 21 13 23-1794	EA	1-1/2" x 3/4", Grooved Concentric Reducer.....	349.60		16.37
		For Work In Restricted Working Space, Add	7.35		
		For Galvanized Fittings, Add	39.08		
23 21 13 23-1795	EA	1-1/2" x 1", Grooved Concentric Reducer.....	95.30		17.08
		For Work In Restricted Working Space, Add	7.70		
		For Galvanized Fittings, Add	8.37		
23 21 13 23-1796	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer.....	296.35		17.92
		For Work In Restricted Working Space, Add	8.06		
		For Galvanized Fittings, Add	32.39		
23 21 13 23-1797	EA	2" x 3/4", Grooved Concentric Reducer.....	98.88		19.47
		For Work In Restricted Working Space, Add	8.78		
		For Galvanized Fittings, Add	8.37		
23 21 13 23-1798	EA	2" x 1", Grooved Concentric Reducer.....	100.08		20.30
		For Work In Restricted Working Space, Add	9.14		
		For Galvanized Fittings, Add	8.37		
23 21 13 23-1799	EA	2" x 1-1/4", Grooved Concentric Reducer.....	108.26		21.14
		For Work In Restricted Working Space, Add	9.50		
		For Galvanized Fittings, Add	9.21		
23 21 13 23-1800	EA	2" x 1-1/2", Grooved Concentric Reducer.....	104.92		23.53
		For Work In Restricted Working Space, Add	10.59		
		For Galvanized Fittings, Add	8.37		
23 21 13 23-1801	EA	2-1/2" x 3/4", Grooved Concentric Reducer.....	599.58		21.97
		For Work In Restricted Working Space, Add	9.89		
		For Galvanized Fittings, Add	68.11		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1802	EA	2-1/2" x 1", Grooved Concentric Reducer	.....	478.61	22.81
		For Work In Restricted Working Space, Add	.....	10.24	
		For Galvanized Fittings, Add	.....	53.43	
23 21 13 23-1803	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer	.....	437.67	23.53
		For Work In Restricted Working Space, Add	.....	10.59	
		For Galvanized Fittings, Add	.....	48.36	
23 21 13 23-1804	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer	.....	108.43	25.92
		For Work In Restricted Working Space, Add	.....	11.64	
		For Galvanized Fittings, Add	.....	8.37	
23 21 13 23-1805	EA	2-1/2" x 2", Grooved Concentric Reducer	.....	113.21	29.02
		For Work In Restricted Working Space, Add	.....	13.08	
		For Galvanized Fittings, Add	.....	8.37	
23 21 13 23-1806	EA	3" x 3/4", Grooved Concentric Reducer	.....	608.57	25.56
		For Work In Restricted Working Space, Add	.....	11.48	
		For Galvanized Fittings, Add	.....	86.69	
23 21 13 23-1807	EA	3" x 1", Grooved Concentric Reducer	.....	116.26	26.28
		For Work In Restricted Working Space, Add	.....	11.81	
		For Galvanized Fittings, Add	.....	11.69	
23 21 13 23-1808	EA	3" x 1-1/4", Grooved Concentric Reducer	.....	482.31	27.12
		For Work In Restricted Working Space, Add	.....	12.17	
		For Galvanized Fittings, Add	.....	67.14	
23 21 13 23-1809	EA	3" x 1-1/2", Grooved Concentric Reducer	.....	454.05	29.02
		For Work In Restricted Working Space, Add	.....	13.08	
		For Galvanized Fittings, Add	.....	62.39	
23 21 13 23-1810	EA	3" x 2", Grooved Concentric Reducer	.....	109.45	32.25
		For Work In Restricted Working Space, Add	.....	14.51	
		For Galvanized Fittings, Add	.....	9.28	
23 21 13 23-1811	EA	3" x 2-1/2", Grooved Concentric Reducer	.....	141.79	38.46
		For Work In Restricted Working Space, Add	.....	17.29	
		For Galvanized Fittings, Add	.....	12.79	
23 21 13 23-1812	EA	3-1/2" x 3", Grooved Concentric Reducer	.....	151.78	41.45
		For Work In Restricted Working Space, Add	.....	18.63	
		For Galvanized Fittings, Add	.....	13.63	
23 21 13 23-1813	EA	4" x 1", Grooved Concentric Reducer	.....	141.41	32.60
		For Work In Restricted Working Space, Add	.....	14.69	
		For Galvanized Fittings, Add	.....	15.85	
23 21 13 23-1814	EA	4" x 1-1/4", Grooved Concentric Reducer	.....	780.87	33.44
		For Work In Restricted Working Space, Add	.....	15.05	
		For Galvanized Fittings, Add	.....	125.32	
23 21 13 23-1815	EA	4" x 1-1/2", Grooved Concentric Reducer	.....	611.78	35.47
		For Work In Restricted Working Space, Add	.....	15.95	
		For Galvanized Fittings, Add	.....	95.80	
23 21 13 23-1816	EA	4" x 2", Grooved Concentric Reducer	.....	139.24	38.70
		For Work In Restricted Working Space, Add	.....	17.38	
		For Galvanized Fittings, Add	.....	13.94	
23 21 13 23-1817	EA	4" x 2-1/2", Grooved Concentric Reducer	.....	164.02	41.45
		For Work In Restricted Working Space, Add	.....	18.64	
		For Galvanized Fittings, Add	.....	17.48	
23 21 13 23-1818	EA	4" x 3", Grooved Concentric Reducer	.....	168.79	44.67
		For Work In Restricted Working Space, Add	.....	20.07	
		For Galvanized Fittings, Add	.....	17.48	
23 21 13 23-1819	EA	4" x 3-1/2", Grooved Concentric Reducer	.....	173.58	47.77
		For Work In Restricted Working Space, Add	.....	21.50	
		For Galvanized Fittings, Add	.....	17.48	
23 21 13 23-1820	EA	5" x 2", Grooved Concentric Reducer	.....	1,095.80	45.03
		For Work In Restricted Working Space, Add	.....	20.25	
		For Galvanized Fittings, Add	.....	176.36	
23 21 13 23-1821	EA	5" x 2-1/2", Grooved Concentric Reducer	.....	869.51	47.77
		For Work In Restricted Working Space, Add	.....	21.50	
		For Galvanized Fittings, Add	.....	136.83	
23 21 13 23-1822	EA	5" x 3", Grooved Concentric Reducer	.....	195.73	51.00
		For Work In Restricted Working Space, Add	.....	22.94	
		For Galvanized Fittings, Add	.....	20.46	
23 21 13 23-1823	EA	5" x 4", Grooved Concentric Reducer	.....	228.46	57.33
		For Work In Restricted Working Space, Add	.....	25.80	
		For Galvanized Fittings, Add	.....	24.43	
23 21 13 23-1824	EA	6" x 1", Grooved Concentric Reducer	.....	262.33	48.61
		For Work In Restricted Working Space, Add	.....	21.86	
		For Galvanized Fittings, Add	.....	35.35	
23 21 13 23-1825	EA	6" x 1-1/2", Grooved Concentric Reducer	.....	1,158.23	51.36
		For Work In Restricted Working Space, Add	.....	23.11	
		For Galvanized Fittings, Add	.....	201.75	
23 21 13 23-1826	EA	6" x 2", Grooved Concentric Reducer	.....	271.26	54.59
		For Work In Restricted Working Space, Add	.....	24.54	
		For Galvanized Fittings, Add	.....	35.35	
23 21 13 23-1827	EA	6" x 2-1/2", Grooved Concentric Reducer	.....	1,173.35	57.33
		For Work In Restricted Working Space, Add	.....	25.80	
		For Galvanized Fittings, Add	.....	202.90	
23 21 13 23-1828	EA	6" x 3", Grooved Concentric Reducer	.....	280.24	60.56
		For Work In Restricted Working Space, Add	.....	27.23	
		For Galvanized Fittings, Add	.....	35.35	
23 21 13 23-1829	EA	6" x 4", Grooved Concentric Reducer	.....	265.33	66.89
		For Work In Restricted Working Space, Add	.....	30.10	
		For Galvanized Fittings, Add	.....	30.79	
23 21 13 23-1830	EA	6" x 5", Grooved Concentric Reducer	.....	353.99	73.34
		For Work In Restricted Working Space, Add	.....	32.97	
		For Galvanized Fittings, Add	.....	45.55	
23 21 13 23-1831	EA	8" x 3", Grooved Concentric Reducer	.....	441.26	68.56
		For Work In Restricted Working Space, Add	.....	30.82	
		For Galvanized Fittings, Add	.....	63.17	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1832	EA 8" x 4", Grooved Concentric Reducer	450.79	74.89
	For Work In Restricted Working Space, Add	33.68	
	For Galvanized Fittings, Add	63.17	
23 21 13 23-1833	EA 8" x 5", Grooved Concentric Reducer	460.37	81.22
	For Work In Restricted Working Space, Add	36.55	
	For Galvanized Fittings, Add	63.17	
23 21 13 23-1834	EA 8" x 6", Grooved Concentric Reducer	567.86	90.77
	For Work In Restricted Working Space, Add	40.85	
	For Galvanized Fittings, Add	80.56	
23 21 13 23-1835	EA 10" x 4", Grooved Concentric Reducer	930.86	83.25
	For Work In Restricted Working Space, Add	37.45	
	For Galvanized Fittings, Add	150.40	
23 21 13 23-1836	EA 10" x 5", Grooved Concentric Reducer	1,911.15	89.59
	For Work In Restricted Working Space, Add	40.32	
	For Galvanized Fittings, Add	331.54	
23 21 13 23-1837	EA 10" x 6", Grooved Concentric Reducer	1,030.13	99.14
	For Work In Restricted Working Space, Add	44.61	
	For Galvanized Fittings, Add	164.47	
23 21 13 23-1838	EA 10" x 8", Grooved Concentric Reducer	1,042.06	107.14
	For Work In Restricted Working Space, Add	48.19	
	For Galvanized Fittings, Add	164.47	
23 21 13 23-1839	EA 12" x 4", Grooved Concentric Reducer	2,810.34	94.84
	For Work In Restricted Working Space, Add	42.64	
	For Galvanized Fittings, Add	400.23	
23 21 13 23-1840	EA 12" x 6", Grooved Concentric Reducer	1,217.28	110.72
	For Work In Restricted Working Space, Add	49.79	
	For Galvanized Fittings, Add	157.70	
23 21 13 23-1841	EA 12" x 8", Grooved Concentric Reducer	1,757.16	118.73
	For Work In Restricted Working Space, Add	53.39	
	For Galvanized Fittings, Add	236.88	
23 21 13 23-1842	EA 12" x 10", Grooved Concentric Reducer	1,769.77	127.08
	For Work In Restricted Working Space, Add	57.17	
	For Galvanized Fittings, Add	236.88	
23 21 13 23-1843	EA 14" x 6", Grooved Concentric Reducer	5,537.13	119.32
	For Work In Restricted Working Space, Add	53.67	
	For Galvanized Fittings, Add	164.50	
23 21 13 23-1844	EA 14" x 8", Grooved Concentric Reducer	3,335.99	127.32
	For Work In Restricted Working Space, Add	57.28	
	For Galvanized Fittings, Add	96.55	
23 21 13 23-1845	EA 14" x 10", Grooved Concentric Reducer	2,858.93	135.69
	For Work In Restricted Working Space, Add	61.02	
	For Galvanized Fittings, Add	81.52	
23 21 13 23-1846	EA 14" x 12", Grooved Concentric Reducer	2,876.21	147.15
	For Work In Restricted Working Space, Add	66.21	
	For Galvanized Fittings, Add	81.52	
23 21 13 23-1847	EA 16" x 8", Grooved Concentric Reducer	5,049.45	135.81
	For Work In Restricted Working Space, Add	61.10	
	For Galvanized Fittings, Add	148.77	
23 21 13 23-1848	EA 16" x 10", Grooved Concentric Reducer	4,696.41	144.16
	For Work In Restricted Working Space, Add	64.87	
	For Galvanized Fittings, Add	137.54	
23 21 13 23-1849	EA 16" x 12", Grooved Concentric Reducer	4,355.35	155.75
	For Work In Restricted Working Space, Add	70.04	
	For Galvanized Fittings, Add	126.54	
23 21 13 23-1850	EA 16" x 14", Grooved Concentric Reducer	4,368.25	164.35
	For Work In Restricted Working Space, Add	73.91	
	For Galvanized Fittings, Add	126.54	
23 21 13 23-1851	EA 18" x 10", Grooved Concentric Reducer	6,554.50	152.16
	For Work In Restricted Working Space, Add	68.43	
	For Galvanized Fittings, Add	194.22	
23 21 13 23-1852	EA 18" x 12", Grooved Concentric Reducer	5,949.57	163.63
	For Work In Restricted Working Space, Add	73.61	
	For Galvanized Fittings, Add	175.12	
23 21 13 23-1853	EA 18" x 14", Grooved Concentric Reducer	5,422.30	172.24
	For Work In Restricted Working Space, Add	77.49	
	For Galvanized Fittings, Add	158.53	
23 21 13 23-1854	EA 18" x 16", Grooved Concentric Reducer	5,435.20	180.95
	For Work In Restricted Working Space, Add	81.36	
	For Galvanized Fittings, Add	158.53	
23 21 13 23-1855	EA 20" x 10", Grooved Concentric Reducer	7,207.78	156.11
	For Work In Restricted Working Space, Add	70.21	
	For Galvanized Fittings, Add	214.09	
23 21 13 23-1856	EA 20" x 12", Grooved Concentric Reducer	6,196.98	167.70
	For Work In Restricted Working Space, Add	75.41	
	For Galvanized Fittings, Add	182.53	
23 21 13 23-1857	EA 20" x 14", Grooved Concentric Reducer	6,209.88	176.29
	For Work In Restricted Working Space, Add	79.28	
	For Galvanized Fittings, Add	182.53	
23 21 13 23-1858	EA 20" x 16", Grooved Concentric Reducer	5,551.81	184.78
	For Work In Restricted Working Space, Add	83.10	
	For Galvanized Fittings, Add	161.94	
23 21 13 23-1859	EA 20" x 18", Grooved Concentric Reducer	5,914.00	192.78
	For Work In Restricted Working Space, Add	86.72	
	For Galvanized Fittings, Add	172.69	
23 21 13 23-1860	EA 24" x 10", Grooved Concentric Reducer	15,800.39	173.66
	For Work In Restricted Working Space, Add	78.10	
	For Galvanized Fittings, Add	477.08	
23 21 13 23-1861	EA 24" x 12", Grooved Concentric Reducer	15,442.50	185.25
	For Work In Restricted Working Space, Add	83.33	
	For Galvanized Fittings, Add	465.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1862	EA		24" x 14", Grooved Concentric Reducer	13,475.10	193.74
			For Work In Restricted Working Space, Add	87.14	
			For Galvanized Fittings, Add	404.77	
23 21 13 23-1863	EA		24" x 16", Grooved Concentric Reducer	13,488.08	202.45
			For Work In Restricted Working Space, Add	91.04	
			For Galvanized Fittings, Add	404.77	
23 21 13 23-1864	EA		24" x 18", Grooved Concentric Reducer	11,569.14	210.33
			For Work In Restricted Working Space, Add	94.59	
			For Galvanized Fittings, Add	345.49	
23 21 13 23-1865	EA		24" x 20", Grooved Concentric Reducer	10,578.39	214.40
			For Work In Restricted Working Space, Add	96.43	
			For Galvanized Fittings, Add	314.89	
23 21 13 23-1866 Grooved Eccentric Reducers (23 21 13 23-1772)					
Note: Victaulic No. 51					
23 21 13 23-1867	EA		1-1/2" x 3/4", Grooved Eccentric Reducer	360.82	16.37
			For Work In Restricted Working Space, Add	7.35	
			For Galvanized Fittings, Add	40.43	
23 21 13 23-1868	EA		1-1/2" x 1", Grooved Eccentric Reducer	329.27	17.08
			For Work In Restricted Working Space, Add	7.70	
			For Galvanized Fittings, Add	36.49	
23 21 13 23-1869	EA		1-1/2" x 1-1/4", Grooved Eccentric Reducer	323.85	17.92
			For Work In Restricted Working Space, Add	8.06	
			For Galvanized Fittings, Add	35.70	
23 21 13 23-1870	EA		2" x 3/4", Grooved Eccentric Reducer	682.79	19.47
			For Work In Restricted Working Space, Add	8.78	
			For Galvanized Fittings, Add	78.55	
23 21 13 23-1871	EA		2" x 1", Grooved Eccentric Reducer	365.69	20.30
			For Work In Restricted Working Space, Add	9.14	
			For Galvanized Fittings, Add	40.29	
23 21 13 23-1872	EA		2" x 1-1/4", Grooved Eccentric Reducer	399.16	21.14
			For Work In Restricted Working Space, Add	9.50	
			For Galvanized Fittings, Add	44.17	
23 21 13 23-1873	EA		2" x 1-1/2", Grooved Eccentric Reducer	342.94	23.53
			For Work In Restricted Working Space, Add	10.59	
			For Galvanized Fittings, Add	36.98	
23 21 13 23-1874	EA		2-1/2" x 3/4", Grooved Eccentric Reducer	886.07	21.97
			For Work In Restricted Working Space, Add	9.89	
			For Galvanized Fittings, Add	102.54	
23 21 13 23-1875	EA		2-1/2" x 1", Grooved Eccentric Reducer	828.92	22.81
			For Work In Restricted Working Space, Add	10.24	
			For Galvanized Fittings, Add	95.53	
23 21 13 23-1876	EA		2-1/2" x 1-1/4", Grooved Eccentric Reducer	496.89	23.53
			For Work In Restricted Working Space, Add	10.59	
			For Galvanized Fittings, Add	55.48	
23 21 13 23-1877	EA		2-1/2" x 1-1/2", Grooved Eccentric Reducer	404.57	25.92
			For Work In Restricted Working Space, Add	11.64	
			For Galvanized Fittings, Add	43.96	
23 21 13 23-1878	EA		2-1/2" x 2", Grooved Eccentric Reducer	190.92	29.02
			For Work In Restricted Working Space, Add	13.08	
			For Galvanized Fittings, Add	17.71	
23 21 13 23-1879	EA		3" x 1", Grooved Eccentric Reducer	891.93	26.28
			For Work In Restricted Working Space, Add	11.81	
			For Galvanized Fittings, Add	102.48	
23 21 13 23-1880	EA		3" x 1-1/4", Grooved Eccentric Reducer	812.39	27.12
			For Work In Restricted Working Space, Add	12.17	
			For Galvanized Fittings, Add	92.77	
23 21 13 23-1881	EA		3" x 1-1/2", Grooved Eccentric Reducer	466.65	29.02
			For Work In Restricted Working Space, Add	13.08	
			For Galvanized Fittings, Add	50.85	
23 21 13 23-1882	EA		3" x 2", Grooved Eccentric Reducer	217.70	32.25
			For Work In Restricted Working Space, Add	14.51	
			For Galvanized Fittings, Add	20.35	
23 21 13 23-1883	EA		3" x 2-1/2", Grooved Eccentric Reducer	226.96	38.46
			For Work In Restricted Working Space, Add	17.29	
			For Galvanized Fittings, Add	20.35	
23 21 13 23-1884	EA		3-1/2" x 3", Grooved Eccentric Reducer	998.82	41.45
			For Work In Restricted Working Space, Add	18.63	
			For Galvanized Fittings, Add	112.59	
23 21 13 23-1885	EA		4" x 1", Grooved Eccentric Reducer	1,777.08	32.60
			For Work In Restricted Working Space, Add	14.69	
			For Galvanized Fittings, Add	296.37	
23 21 13 23-1886	EA		4" x 1-1/2", Grooved Eccentric Reducer	1,098.30	35.47
			For Work In Restricted Working Space, Add	15.95	
			For Galvanized Fittings, Add	179.24	
23 21 13 23-1887	EA		4" x 2", Grooved Eccentric Reducer	264.96	38.70
			For Work In Restricted Working Space, Add	17.38	
			For Galvanized Fittings, Add	35.50	
23 21 13 23-1888	EA		4" x 2-1/2", Grooved Eccentric Reducer	269.14	41.45
			For Work In Restricted Working Space, Add	18.64	
			For Galvanized Fittings, Add	35.50	
23 21 13 23-1889	EA		4" x 3", Grooved Eccentric Reducer	273.91	44.67
			For Work In Restricted Working Space, Add	20.07	
			For Galvanized Fittings, Add	35.50	
23 21 13 23-1890	EA		5" x 2", Grooved Eccentric Reducer	1,219.96	45.03
			For Work In Restricted Working Space, Add	20.25	
			For Galvanized Fittings, Add	197.65	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-1891	EA 5" x 2-1/2", Grooved Eccentric Reducer	1,053.54	47.77
	For Work In Restricted Working Space, Add	21.50	
	For Galvanized Fittings, Add	168.39	
23 21 13 23-1892	EA 5" x 3", Grooved Eccentric Reducer	1,024.84	51.00
	For Work In Restricted Working Space, Add	22.94	
	For Galvanized Fittings, Add	162.65	
23 21 13 23-1893	EA 5" x 4", Grooved Eccentric Reducer	367.98	57.33
	For Work In Restricted Working Space, Add	25.80	
	For Galvanized Fittings, Add	48.36	
23 21 13 23-1894	EA 6" x 1", Grooved Eccentric Reducer	1,864.43	48.61
	For Work In Restricted Working Space, Add	21.86	
	For Galvanized Fittings, Add	334.31	
23 21 13 23-1895	EA 6" x 2", Grooved Eccentric Reducer	1,715.63	54.59
	For Work In Restricted Working Space, Add	24.54	
	For Galvanized Fittings, Add	304.87	
23 21 13 23-1896	EA 6" x 2-1/2", Grooved Eccentric Reducer	2,031.52	57.33
	For Work In Restricted Working Space, Add	25.80	
	For Galvanized Fittings, Add	363.03	
23 21 13 23-1897	EA 6" x 3", Grooved Eccentric Reducer	466.20	60.56
	For Work In Restricted Working Space, Add	27.23	
	For Galvanized Fittings, Add	70.05	
23 21 13 23-1898	EA 6" x 4", Grooved Eccentric Reducer	428.95	66.89
	For Work In Restricted Working Space, Add	30.10	
	For Galvanized Fittings, Add	61.32	
23 21 13 23-1899	EA 6" x 5", Grooved Eccentric Reducer	504.08	73.34
	For Work In Restricted Working Space, Add	32.97	
	For Galvanized Fittings, Add	73.55	
23 21 13 23-1900	EA 8" x 3", Grooved Eccentric Reducer	2,001.06	68.56
	For Work In Restricted Working Space, Add	30.82	
	For Galvanized Fittings, Add	354.23	
23 21 13 23-1901	EA 8" x 4", Grooved Eccentric Reducer	1,771.28	74.89
	For Work In Restricted Working Space, Add	33.68	
	For Galvanized Fittings, Add	309.58	
23 21 13 23-1902	EA 8" x 5", Grooved Eccentric Reducer	1,666.45	81.22
	For Work In Restricted Working Space, Add	36.55	
	For Galvanized Fittings, Add	288.23	
23 21 13 23-1903	EA 8" x 6", Grooved Eccentric Reducer	802.48	90.77
	For Work In Restricted Working Space, Add	40.85	
	For Galvanized Fittings, Add	124.34	
23 21 13 23-1904	EA 10" x 4", Grooved Eccentric Reducer	3,169.21	83.25
	For Work In Restricted Working Space, Add	37.45	
	For Galvanized Fittings, Add	568.08	
23 21 13 23-1905	EA 10" x 5", Grooved Eccentric Reducer	3,002.64	89.59
	For Work In Restricted Working Space, Add	40.32	
	For Galvanized Fittings, Add	535.22	
23 21 13 23-1906	EA 10" x 6", Grooved Eccentric Reducer	2,311.63	99.14
	For Work In Restricted Working Space, Add	44.61	
	For Galvanized Fittings, Add	403.60	
23 21 13 23-1907	EA 10" x 8", Grooved Eccentric Reducer	1,991.28	107.14
	For Work In Restricted Working Space, Add	48.19	
	For Galvanized Fittings, Add	341.60	
23 21 13 23-1908	EA 12" x 4", Grooved Eccentric Reducer	3,237.73	94.84
	For Work In Restricted Working Space, Add	42.64	
	For Galvanized Fittings, Add	467.13	
23 21 13 23-1909	EA 12" x 6", Grooved Eccentric Reducer	3,055.47	110.72
	For Work In Restricted Working Space, Add	49.79	
	For Galvanized Fittings, Add	436.02	
23 21 13 23-1910	EA 12" x 8", Grooved Eccentric Reducer	2,993.50	118.73
	For Work In Restricted Working Space, Add	53.39	
	For Galvanized Fittings, Add	424.87	
23 21 13 23-1911	EA 12" x 10", Grooved Eccentric Reducer	2,712.45	127.08
	For Work In Restricted Working Space, Add	57.17	
	For Galvanized Fittings, Add	380.55	
23 21 13 23-1912	EA 14" x 6", Grooved Eccentric Reducer	7,469.59	119.32
	For Work In Restricted Working Space, Add	53.67	
	For Galvanized Fittings, Add	223.82	
23 21 13 23-1913	EA 14" x 8", Grooved Eccentric Reducer	4,852.02	127.32
	For Work In Restricted Working Space, Add	57.28	
	For Galvanized Fittings, Add	143.10	
23 21 13 23-1914	EA 14" x 10", Grooved Eccentric Reducer	4,640.47	135.69
	For Work In Restricted Working Space, Add	61.02	
	For Galvanized Fittings, Add	136.22	
23 21 13 23-1915	EA 14" x 12", Grooved Eccentric Reducer	4,657.75	147.15
	For Work In Restricted Working Space, Add	66.21	
	For Galvanized Fittings, Add	136.22	
23 21 13 23-1916	EA 16" x 8", Grooved Eccentric Reducer	8,255.32	135.81
	For Work In Restricted Working Space, Add	61.10	
	For Galvanized Fittings, Add	247.19	
23 21 13 23-1917	EA 16" x 10", Grooved Eccentric Reducer	7,656.54	144.16
	For Work In Restricted Working Space, Add	64.87	
	For Galvanized Fittings, Add	228.42	
23 21 13 23-1918	EA 16" x 12", Grooved Eccentric Reducer	7,224.70	155.75
	For Work In Restricted Working Space, Add	70.04	
	For Galvanized Fittings, Add	214.63	
23 21 13 23-1919	EA 16" x 14", Grooved Eccentric Reducer	7,237.60	164.35
	For Work In Restricted Working Space, Add	73.91	
	For Galvanized Fittings, Add	214.63	
23 21 13 23-1920	EA 18" x 10", Grooved Eccentric Reducer	10,347.68	152.16
	For Work In Restricted Working Space, Add	68.43	
	For Galvanized Fittings, Add	310.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1921	EA		18" x 12", Grooved Eccentric Reducer	9,747.63	163.63
			For Work In Restricted Working Space, Add	73.61	
			For Galvanized Fittings, Add	291.72	
23 21 13 23-1922	EA		18" x 14", Grooved Eccentric Reducer	8,891.56	172.24
			For Work In Restricted Working Space, Add	77.49	
			For Galvanized Fittings, Add	265.04	
23 21 13 23-1923	EA		18" x 16", Grooved Eccentric Reducer	8,904.46	180.95
			For Work In Restricted Working Space, Add	81.36	
			For Galvanized Fittings, Add	265.04	
23 21 13 23-1924	EA		20" x 10", Grooved Eccentric Reducer	13,569.20	156.11
			For Work In Restricted Working Space, Add	70.21	
			For Galvanized Fittings, Add	409.39	
23 21 13 23-1925	EA		20" x 12", Grooved Eccentric Reducer	10,115.24	167.70
			For Work In Restricted Working Space, Add	75.41	
			For Galvanized Fittings, Add	302.82	
23 21 13 23-1926	EA		20" x 14", Grooved Eccentric Reducer	9,511.49	176.29
			For Work In Restricted Working Space, Add	79.28	
			For Galvanized Fittings, Add	283.89	
23 21 13 23-1927	EA		20" x 16", Grooved Eccentric Reducer	9,374.61	184.78
			For Work In Restricted Working Space, Add	83.10	
			For Galvanized Fittings, Add	279.30	
23 21 13 23-1928	EA		20" x 18", Grooved Eccentric Reducer	9,038.10	192.78
			For Work In Restricted Working Space, Add	86.72	
			For Galvanized Fittings, Add	268.60	
23 21 13 23-1929	EA		24" x 12", Grooved Eccentric Reducer	19,582.13	185.25
			For Work In Restricted Working Space, Add	83.33	
			For Galvanized Fittings, Add	592.64	
23 21 13 23-1930	EA		24" x 14", Grooved Eccentric Reducer	16,743.32	193.74
			For Work In Restricted Working Space, Add	87.14	
			For Galvanized Fittings, Add	505.10	
23 21 13 23-1931	EA		24" x 16", Grooved Eccentric Reducer	16,756.30	202.45
			For Work In Restricted Working Space, Add	91.04	
			For Galvanized Fittings, Add	505.10	
23 21 13 23-1932	EA		24" x 18", Grooved Eccentric Reducer	15,834.21	210.33
			For Work In Restricted Working Space, Add	94.59	
			For Galvanized Fittings, Add	476.43	
23 21 13 23-1933	EA		24" x 20", Grooved Eccentric Reducer	14,483.22	214.40
			For Work In Restricted Working Space, Add	96.43	
			For Galvanized Fittings, Add	434.77	
23 21 13 23-1934 Grooved, Close Nipple (23 21 13 23-1772)					
Note: Victaulic No. 143					
23 21 13 23-1935	EA		1-1/4" Ductile Iron, Grooved, Close Nipple	65.75	15.76
			For Work In Restricted Working Space, Add	7.17	
			For Galvanized Fittings, Add	7.53	
			For 300 Lb. Rating, Add	6.28	
			For Galvanized Fittings, Add	10.72	
23 21 13 23-1936	EA		1-1/2" Ductile Iron, Grooved, Close Nipple	75.48	19.71
			For Work In Restricted Working Space, Add	8.96	
			For Galvanized Fittings, Add	8.21	
			For 300 Lb. Rating, Add	6.84	
			For Galvanized Fittings, Add	11.68	
23 21 13 23-1937	EA		2" Ductile Iron, Grooved, Close Nipple	94.41	26.01
			For Work In Restricted Working Space, Add	11.83	
			For Galvanized Fittings, Add	9.90	
			For 300 Lb. Rating, Add	8.25	
			For Galvanized Fittings, Add	14.08	
23 21 13 23-1938	EA		2-1/2" Ductile Iron, Grooved, Close Nipple	112.75	31.54
			For Work In Restricted Working Space, Add	14.33	
			For Galvanized Fittings, Add	11.70	
			For 300 Lb. Rating, Add	9.75	
			For Galvanized Fittings, Add	16.63	
23 21 13 23-1939 Grooved Caps (23 21 13 23-1772)					
Note: Victaulic No. 60					
23 21 13 23-1940	EA		1" Carbon Steel Grooved Cap	119.41	4.90
			For Work In Restricted Working Space, Add	2.94	
23 21 13 23-1941	EA		1-1/4" Carbon Steel Grooved Cap	121.80	6.09
			For Work In Restricted Working Space, Add	3.65	
23 21 13 23-1942	EA		1-1/2" Carbon Steel Grooved Cap	124.43	7.41
			For Work In Restricted Working Space, Add	4.44	
23 21 13 23-1943	EA		2" Carbon Steel Grooved Cap	129.09	9.79
			For Work In Restricted Working Space, Add	5.84	
23 21 13 23-1944	EA		2-1/2" Carbon Steel Grooved Cap	133.39	11.95
			For Work In Restricted Working Space, Add	7.13	
23 21 13 23-1945	EA		3" Carbon Steel Grooved Cap	138.41	14.45
			For Work In Restricted Working Space, Add	8.64	
23 21 13 23-1946	EA		4" Carbon Steel Grooved Cap	154.88	19.11
			For Work In Restricted Working Space, Add	11.43	
23 21 13 23-1947	EA		5" Carbon Steel Grooved Cap	315.92	23.77
			For Work In Restricted Working Space, Add	14.26	
23 21 13 23-1948	EA		6" Carbon Steel Grooved Cap	330.24	31.17
			For Work In Restricted Working Space, Add	18.67	
23 21 13 23-1949	EA		8" Carbon Steel Grooved Cap	583.67	37.02
			For Work In Restricted Working Space, Add	22.22	
23 21 13 23-1950	EA		10" Carbon Steel Grooved Cap	975.11	43.24
			For Work In Restricted Working Space, Add	25.91	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 23 21 13 23-1951 EA 12" Carbon Steel Grooved Cap 1,657.63 51.84
For Work In Restricted Working Space, Add 31.10

23 21 13 23-1952 Grooved Couplings (23 21 13 23-1952)

23 21 13 23-1953 Flexible Grooved Coupling (23 21 13 23-1952)

Note: Victaulic Style 77

23 21 13 23-1954	EA 3/4" Grooved Standard Coupling	23.73	6.45
	<i>For Work In Restricted Working Space, Add</i>	2.93	
	<i>For Galvanized Fittings, Add</i>	3.91	
23 21 13 23-1955	EA 1" Grooved Standard Coupling	23.73	6.45
	<i>For Work In Restricted Working Space, Add</i>	2.93	
	<i>For Galvanized Fittings, Add</i>	3.91	
23 21 13 23-1956	EA 1-1/4" Grooved Standard Coupling	30.80	8.12
	<i>For Work In Restricted Working Space, Add</i>	3.66	
	<i>For Galvanized Fittings, Add</i>	5.21	
23 21 13 23-1957	EA 1-1/2" Grooved Standard Coupling	34.90	9.67
	<i>For Work In Restricted Working Space, Add</i>	4.37	
	<i>For Galvanized Fittings, Add</i>	5.69	
23 21 13 23-1958	EA 2" Grooved Standard Coupling	41.00	13.02
	<i>For Work In Restricted Working Space, Add</i>	5.86	
	<i>For Galvanized Fittings, Add</i>	6.01	
23 21 13 23-1959	EA 2-1/2" Grooved Standard Coupling	49.49	15.88
	<i>For Work In Restricted Working Space, Add</i>	7.13	
	<i>For Galvanized Fittings, Add</i>	7.20	
23 21 13 23-1960	EA 3" Grooved Standard Coupling	54.10	18.99
	<i>For Work In Restricted Working Space, Add</i>	8.52	
	<i>For Galvanized Fittings, Add</i>	7.20	
23 21 13 23-1961	EA 3-1/2" Grooved Standard Coupling	74.80	22.22
	<i>For Work In Restricted Working Space, Add</i>	10.01	
	<i>For Galvanized Fittings, Add</i>	11.60	
23 21 13 23-1962	EA 4" Grooved Standard Coupling	79.47	25.33
	<i>For Work In Restricted Working Space, Add</i>	11.41	
	<i>For Galvanized Fittings, Add</i>	11.60	
23 21 13 23-1963	EA 5" Grooved Standard Coupling	111.06	31.77
	<i>For Work In Restricted Working Space, Add</i>	14.27	
	<i>For Galvanized Fittings, Add</i>	17.78	
23 21 13 23-1964	EA 6" Grooved Standard Coupling	137.29	41.45
	<i>For Work In Restricted Working Space, Add</i>	18.66	
	<i>For Galvanized Fittings, Add</i>	21.02	
23 21 13 23-1965	EA 8" Grooved Standard Coupling	196.43	49.45
	<i>For Work In Restricted Working Space, Add</i>	22.22	
	<i>For Galvanized Fittings, Add</i>	34.27	
23 21 13 23-1966	EA 10" Grooved Standard Coupling	292.26	59.25
	<i>For Work In Restricted Working Space, Add</i>	26.66	
	<i>For Galvanized Fittings, Add</i>	56.95	
23 21 13 23-1967	EA 12" Grooved Standard Coupling	328.79	64.85
	<i>For Work In Restricted Working Space, Add</i>	29.16	
	<i>For Galvanized Fittings, Add</i>	64.84	
23 21 13 23-1968	EA 14" Grooved Standard Coupling	410.93	86.48
	<i>For Work In Restricted Working Space, Add</i>	38.88	
	<i>For Galvanized Fittings, Add</i>	78.77	
23 21 13 23-1969	EA 16" Grooved Standard Coupling	524.55	103.80
	<i>For Work In Restricted Working Space, Add</i>	46.66	
	<i>For Galvanized Fittings, Add</i>	103.33	
23 21 13 23-1970	EA 18" Grooved Standard Coupling	604.97	115.26
	<i>For Work In Restricted Working Space, Add</i>	51.84	
	<i>For Galvanized Fittings, Add</i>	121.01	
23 21 13 23-1971	EA 20" Grooved Standard Coupling	874.28	129.72
	<i>For Work In Restricted Working Space, Add</i>	58.32	
	<i>For Galvanized Fittings, Add</i>	190.37	
23 21 13 23-1972	EA 24" Grooved Standard Coupling	984.85	159.57
	<i>For Work In Restricted Working Space, Add</i>	71.78	
	<i>For Galvanized Fittings, Add</i>	208.77	

23 21 13 23-1973 Zero-Flex® Rigid Coupling (23 21 13 23-1952)

Note: Victaulic Style 07

23 21 13 23-1974	EA 1" Grooved Rigid Coupling	29.20	6.45
	<i>For Work In Restricted Working Space, Add</i>	2.93	
	<i>For Galvanized Fittings, Add</i>	4.77	
23 21 13 23-1975	EA 1-1/4" Grooved Rigid Coupling	31.65	8.12
	<i>For Work In Restricted Working Space, Add</i>	3.66	
	<i>For Galvanized Fittings, Add</i>	4.77	
23 21 13 23-1976	EA 1-1/2" Grooved Rigid Coupling	34.02	9.67
	<i>For Work In Restricted Working Space, Add</i>	4.37	
	<i>For Galvanized Fittings, Add</i>	4.77	
23 21 13 23-1977	EA 2" Grooved Rigid Coupling	39.46	13.02
	<i>For Work In Restricted Working Space, Add</i>	5.86	
	<i>For Galvanized Fittings, Add</i>	4.89	
23 21 13 23-1978	EA 2-1/2" Grooved Rigid Coupling	46.77	15.88
	<i>For Work In Restricted Working Space, Add</i>	7.13	
	<i>For Galvanized Fittings, Add</i>	5.63	
23 21 13 23-1979	EA 3" Grooved Rigid Coupling	51.38	18.99
	<i>For Work In Restricted Working Space, Add</i>	8.52	
	<i>For Galvanized Fittings, Add</i>	5.63	
23 21 13 23-1980	EA 3-1/2" Grooved Rigid Coupling	60.24	22.22
	<i>For Work In Restricted Working Space, Add</i>	10.01	
	<i>For Galvanized Fittings, Add</i>	6.58	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1981	EA	4" Grooved Rigid Coupling	76.11	25.33
		For Work In Restricted Working Space, Add	11.41	
		For Galvanized Fittings, Add	9.33	
23 21 13 23-1982	EA	5" Grooved Rigid Coupling	97.00	31.77
		For Work In Restricted Working Space, Add	14.27	
		For Galvanized Fittings, Add	12.12	
23 21 13 23-1983	EA	6" Grooved Rigid Coupling	128.31	41.45
		For Work In Restricted Working Space, Add	18.66	
		For Galvanized Fittings, Add	16.19	
23 21 13 23-1984	EA	8" Grooved Rigid Coupling	178.18	49.45
		For Work In Restricted Working Space, Add	22.22	
		For Galvanized Fittings, Add	25.51	
23 21 13 23-1985	EA	10" Grooved Rigid Coupling	275.45	59.25
		For Work In Restricted Working Space, Add	26.66	
		For Galvanized Fittings, Add	45.71	
23 21 13 23-1986	EA	12" Grooved Rigid Coupling	306.00	64.85
		For Work In Restricted Working Space, Add	29.16	
		For Galvanized Fittings, Add	51.15	
23 21 13 23-1987	EA	14" Grooved Rigid Coupling	402.39	86.48
		For Work In Restricted Working Space, Add	38.88	
		For Galvanized Fittings, Add	66.83	
23 21 13 23-1988	EA	16" Grooved Rigid Coupling	511.30	103.80
		For Work In Restricted Working Space, Add	46.66	
		For Galvanized Fittings, Add	87.16	
23 21 13 23-1989	EA	18" Grooved Rigid Coupling	584.08	115.26
		For Work In Restricted Working Space, Add	51.84	
		For Galvanized Fittings, Add	100.76	
23 21 13 23-1990	EA	20" Grooved Rigid Coupling	684.05	129.72
		For Work In Restricted Working Space, Add	58.32	
		For Galvanized Fittings, Add	119.96	
23 21 13 23-1991	EA	24" Grooved Rigid Coupling	960.49	159.57
		For Work In Restricted Working Space, Add	71.78	
		For Galvanized Fittings, Add	176.70	
23 21 13 23-1992 Large Diameter Grooved Coupling (23 21 13 23-1952)				
Note: Victaulic Style 770				
23 21 13 23-1993	EA	28" Grooved Coupling.....	913.00	31.77
		For Work In Restricted Working Space, Add	14.27	
		For Galvanized Fittings, Add	121.16	
23 21 13 23-1994	EA	30" Grooved Coupling.....	1,058.62	41.45
		For Work In Restricted Working Space, Add	18.66	
		For Galvanized Fittings, Add	139.50	
23 21 13 23-1995	EA	32" Grooved Coupling.....	1,566.24	49.45
		For Work In Restricted Working Space, Add	22.22	
		For Galvanized Fittings, Add	208.91	
23 21 13 23-1996	EA	36" Grooved Coupling.....	2,076.82	59.25
		For Work In Restricted Working Space, Add	26.66	
		For Galvanized Fittings, Add	278.31	
23 21 13 23-1997	EA	42" Grooved Coupling.....	4,117.66	64.85
		For Work In Restricted Working Space, Add	29.16	
		For Galvanized Fittings, Add	562.86	
23 21 13 23-1998 Flexible Coupling (23 21 13 23-1952)				
Note: Victaulic Style 75				
23 21 13 23-1999	EA	1-1/2" Grooved Flexible Coupling	32.25	9.67
		For Work In Restricted Working Space, Add	4.37	
		For Galvanized Fittings, Add	4.53	
23 21 13 23-2000	EA	2" Grooved Flexible Coupling	37.65	13.02
		For Work In Restricted Working Space, Add	5.86	
		For Galvanized Fittings, Add	4.64	
23 21 13 23-2001	EA	2-1/2" Grooved Flexible Coupling	44.80	15.88
		For Work In Restricted Working Space, Add	7.13	
		For Galvanized Fittings, Add	5.38	
23 21 13 23-2002	EA	3" Grooved Flexible Coupling	52.83	18.99
		For Work In Restricted Working Space, Add	8.52	
		For Galvanized Fittings, Add	6.26	
23 21 13 23-2003	EA	3-1/2" Grooved Flexible Coupling	67.98	22.22
		For Work In Restricted Working Space, Add	10.01	
		For Galvanized Fittings, Add	8.86	
23 21 13 23-2004	EA	4" Grooved Flexible Coupling	72.65	25.33
		For Work In Restricted Working Space, Add	11.41	
		For Galvanized Fittings, Add	8.86	
23 21 13 23-2005	EA	5" Grooved Flexible Coupling	97.49	31.77
		For Work In Restricted Working Space, Add	14.27	
		For Galvanized Fittings, Add	12.78	
23 21 13 23-2006	EA	6" Grooved Flexible Coupling	122.37	41.45
		For Work In Restricted Working Space, Add	18.66	
		For Galvanized Fittings, Add	15.40	
23 21 13 23-2007	EA	8" Grooved Flexible Coupling	168.62	49.45
		For Work In Restricted Working Space, Add	22.22	
		For Galvanized Fittings, Add	24.21	
23 21 13 23-2008 Installation-Ready™ Coupling (23 21 13 23-1952)				
Note: Victaulic Style 009N				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-2009	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	82.89		6.03
		For Work In Restricted Working Space, Add	2.74		
		For Galvanized Fittings, Add	18.88		
23 21 13 23-2010	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	86.20		7.22
		For Work In Restricted Working Space, Add	3.28		
		For Galvanized Fittings, Add	19.27		
23 21 13 23-2011	EA	2" Ductile Iron, Installation-Ready™ Coupling	99.84		9.69
		For Work In Restricted Working Space, Add	4.41		
		For Galvanized Fittings, Add	21.80		
23 21 13 23-2012	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	115.88		11.75
		For Work In Restricted Working Space, Add	5.34		
		For Galvanized Fittings, Add	25.11		
23 21 13 23-2013	EA	3" Ductile Iron, Installation-Ready™ Coupling	132.37		14.11
		For Work In Restricted Working Space, Add	6.41		
		For Galvanized Fittings, Add	28.41		
23 21 13 23-2014	EA	4" Ductile Iron, Installation-Ready™ Coupling	184.41		18.84
		For Work In Restricted Working Space, Add	8.57		
		For Galvanized Fittings, Add	39.90		
23 21 13 23-2015	EA	5" Ductile Iron, Installation-Ready™ Coupling	290.64		23.57
		For Work In Restricted Working Space, Add	10.71		
		For Galvanized Fittings, Add	65.26		
23 21 13 23-2016	EA	6" Ductile Iron, Installation-Ready™ Coupling	351.32		30.82
		For Work In Restricted Working Space, Add	14.01		
		For Galvanized Fittings, Add	77.98		
23 21 13 23-2017	EA	8" Ductile Iron, Installation-Ready™ Coupling	564.47		36.66
		For Work In Restricted Working Space, Add	16.66		
		For Galvanized Fittings, Add	130.29		
23 21 13 23-2018		Grooved Strainers And Suction Diffusers (23 21 13 23-1529)			
23 21 13 23-2019		Grooved Wye Strainers (23 21 13 23-2018)			
		Note: Victaulic Style 732			
23 21 13 23-2020	EA	2" Grooved Wye Strainer	2,662.04		26.28
		For Work In Restricted Working Space, Add	11.71		
23 21 13 23-2021	EA	2-1/2" Grooved Wye Strainer	2,802.76		31.89
		For Work In Restricted Working Space, Add	14.27		
23 21 13 23-2022	EA	3" Grooved Wye Strainer	3,152.21		38.22
		For Work In Restricted Working Space, Add	17.29		
23 21 13 23-2023	EA	4" Grooved Wye Strainer	3,578.93		51.00
		For Work In Restricted Working Space, Add	22.82		
23 21 13 23-2024	EA	5" Grooved Wye Strainer	5,169.23		63.78
		For Work In Restricted Working Space, Add	28.53		
23 21 13 23-2025	EA	6" Grooved Wye Strainer	5,633.02		82.89
		For Work In Restricted Working Space, Add	37.32		
23 21 13 23-2026	EA	8" Grooved Wye Strainer	8,593.07		98.78
		For Work In Restricted Working Space, Add	44.44		
23 21 13 23-2027	EA	10" Grooved Wye Strainer	13,748.45		115.49
		For Work In Restricted Working Space, Add	51.84		
23 21 13 23-2028	EA	12" Grooved Wye Strainer	23,922.92		138.67
		For Work In Restricted Working Space, Add	62.21		
23 21 13 23-2029		Grooved Tee Type Strainers (23 21 13 23-2018)			
		Note: Victaulic Style 730			
23 21 13 23-2030	EA	1-1/2" Grooved Tee Type Strainer	2,053.70		19.95
		For Work In Restricted Working Space, Add	8.87		
23 21 13 23-2031	EA	2" Grooved Tee Type Strainer	2,629.67		26.28
		For Work In Restricted Working Space, Add	11.71		
23 21 13 23-2032	EA	2-1/2" Grooved Tee Type Strainer	2,769.12		31.89
		For Work In Restricted Working Space, Add	14.27		
23 21 13 23-2033	EA	3" Grooved Tee Type Strainer	3,114.20		38.22
		For Work In Restricted Working Space, Add	17.29		
23 21 13 23-2034	EA	4" Grooved Tee Type Strainer	3,535.83		51.00
		For Work In Restricted Working Space, Add	22.82		
23 21 13 23-2035	EA	5" Grooved Tee Type Strainer	5,106.48		63.78
		For Work In Restricted Working Space, Add	28.53		
23 21 13 23-2036	EA	6" Grooved Tee Type Strainer	5,565.36		82.89
		For Work In Restricted Working Space, Add	37.32		
23 21 13 23-2037	EA	8" Grooved Tee Type Strainer	8,488.32		98.78
		For Work In Restricted Working Space, Add	44.44		
23 21 13 23-2038	EA	10" Grooved Tee Type Strainer	12,422.67		115.49
		For Work In Restricted Working Space, Add	51.84		
23 21 13 23-2039	EA	12" Grooved Tee Type Strainer	15,976.28		138.67
		For Work In Restricted Working Space, Add	62.21		
23 21 13 23-2040	EA	14" Grooved Tee Type Strainer	56,439.98		156.11
		For Work In Restricted Working Space, Add	70.26		
23 21 13 23-2041	EA	16" Grooved Tee Type Strainer	70,114.82		172.83
		For Work In Restricted Working Space, Add	77.76		
23 21 13 23-2042	EA	18" Grooved Tee Type Strainer	92,163.63		188.83
		For Work In Restricted Working Space, Add	84.91		
23 21 13 23-2043		Grooved Suction Diffuser (23 21 13 23-2018)			
		Note: Victaulic Style 731			
23 21 13 23-2044	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,422.71		29.50
		For Work In Restricted Working Space, Add	13.08		
23 21 13 23-2045	EA	3" Grooved x 2" Flanged Suction Diffuser	5,756.67		32.60
		For Work In Restricted Working Space, Add	14.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2046	EA		3" Grooved x 2-1/2" Flanged Suction Diffuser	4,160.45	38.22
			<i>For Work In Restricted Working Space, Add</i>	17.29	
23 21 13 23-2047	EA		3" Grooved x 3" Flanged Suction Diffuser	4,219.48	41.45
			<i>For Work In Restricted Working Space, Add</i>	18.63	
23 21 13 23-2048	EA		4" Grooved x 2-1/2" Flanged Suction Diffuser	4,570.30	41.45
			<i>For Work In Restricted Working Space, Add</i>	18.64	
23 21 13 23-2049	EA		4" Grooved x 3" Flanged Suction Diffuser	4,930.79	44.67
			<i>For Work In Restricted Working Space, Add</i>	20.07	
23 21 13 23-2050	EA		4" Grooved x 4" Flanged Suction Diffuser	5,700.13	44.67
			<i>For Work In Restricted Working Space, Add</i>	20.25	
23 21 13 23-2051	EA		5" Grooved x 4" Flanged Suction Diffuser	6,364.97	57.33
			<i>For Work In Restricted Working Space, Add</i>	25.80	
23 21 13 23-2052	EA		5" Grooved x 5" Flanged Suction Diffuser	6,688.38	60.56
			<i>For Work In Restricted Working Space, Add</i>	27.23	
23 21 13 23-2053	EA		6" Grooved x 4" Flanged Suction Diffuser	6,795.05	66.89
			<i>For Work In Restricted Working Space, Add</i>	30.10	
23 21 13 23-2054	EA		6" Grooved x 5" Flanged Suction Diffuser	8,118.38	73.34
			<i>For Work In Restricted Working Space, Add</i>	32.97	
23 21 13 23-2055	EA		6" Grooved x 6" Flanged Suction Diffuser	8,432.33	78.11
			<i>For Work In Restricted Working Space, Add</i>	35.12	
23 21 13 23-2056	EA		8" Grooved x 5" Flanged Suction Diffuser	8,652.26	81.22
			<i>For Work In Restricted Working Space, Add</i>	36.55	
23 21 13 23-2057	EA		8" Grooved x 6" Flanged Suction Diffuser	9,131.43	90.77
			<i>For Work In Restricted Working Space, Add</i>	40.85	
23 21 13 23-2058	EA		8" Grooved x 8" Flanged Suction Diffuser	15,627.85	98.78
			<i>For Work In Restricted Working Space, Add</i>	44.43	
23 21 13 23-2059	EA		10" Grooved x 8" Flanged Suction Diffuser	17,627.58	106.78
			<i>For Work In Restricted Working Space, Add</i>	48.19	
23 21 13 23-2060	EA		10" Grooved x 10" Flanged Suction Diffuser	21,213.80	110.72
			<i>For Work In Restricted Working Space, Add</i>	49.79	
23 21 13 23-2061	EA		12" Grooved x 10" Flanged Suction Diffuser	25,104.59	127.44
			<i>For Work In Restricted Working Space, Add</i>	57.17	
23 21 13 23-2062	EA		12" Grooved x 12" Flanged Suction Diffuser	34,857.02	135.45
			<i>For Work In Restricted Working Space, Add</i>	60.90	
23 21 13 23-2063	EA		14" Grooved x 10" Flanged Suction Diffuser	32,454.67	135.45
			<i>For Work In Restricted Working Space, Add</i>	61.02	
23 21 13 23-2064	EA		14" Grooved x 12" Flanged Suction Diffuser	36,247.59	147.39
			<i>For Work In Restricted Working Space, Add</i>	66.21	
23 21 13 23-2065	EA		14" Grooved x 14" Flanged Suction Diffuser	43,983.51	156.11
			<i>For Work In Restricted Working Space, Add</i>	70.04	
23 21 13 23-2066	EA		16" Grooved x 14" Flanged Suction Diffuser	45,280.90	164.11
			<i>For Work In Restricted Working Space, Add</i>	73.91	
23 21 13 23-2067			Grooved Steel Valves (23 21 13 23-1529)		
23 21 13 23-2068			Grooved Butterfly Valves With Standard Trim (23 21 13 23-2067)		
23 21 13 23-2069	EA		1-1/2" Butterfly Valve, Grooved, With Standard Trim	291.73	13.02
			<i>For Work In Restricted Working Space, Add</i>	5.86	
23 21 13 23-2070	EA		2" Butterfly Valve, Grooved, With Standard Trim	297.89	17.08
			<i>For Work In Restricted Working Space, Add</i>	7.70	
23 21 13 23-2071	EA		3" Butterfly Valve, Grooved, With Standard Trim	488.48	25.33
			<i>For Work In Restricted Working Space, Add</i>	11.41	
23 21 13 23-2072	EA		4" Butterfly Valve, Grooved, With Standard Trim	656.04	33.33
			<i>For Work In Restricted Working Space, Add</i>	15.02	
23 21 13 23-2073	EA		6" Butterfly Valve, Grooved, With Standard Trim	1,429.93	54.59
			<i>For Work In Restricted Working Space, Add</i>	24.56	
23 21 13 23-2074	EA		8" Butterfly Valve, Grooved, With Standard Trim	1,981.77	76.80
			<i>For Work In Restricted Working Space, Add</i>	34.56	
23 21 13 23-2075	EA		10" Butterfly Valve, Grooved, With Standard Trim	2,974.83	103.80
			<i>For Work In Restricted Working Space, Add</i>	46.66	
23 21 13 23-2076			Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-2067)		
23 21 13 23-2077	EA		1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	437.55	13.02
			<i>For Work In Restricted Working Space, Add</i>	5.86	
23 21 13 23-2078	EA		2" Butterfly Valve, Grooved, With Stainless Steel Trim	443.71	17.08
			<i>For Work In Restricted Working Space, Add</i>	7.70	
23 21 13 23-2079	EA		3" Butterfly Valve, Grooved, With Stainless Steel Trim	686.15	25.33
			<i>For Work In Restricted Working Space, Add</i>	11.41	
23 21 13 23-2080	EA		4" Butterfly Valve, Grooved, With Stainless Steel Trim	873.16	33.33
			<i>For Work In Restricted Working Space, Add</i>	15.02	
23 21 13 23-2081	EA		6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,669.73	54.59
			<i>For Work In Restricted Working Space, Add</i>	24.56	
23 21 13 23-2082	EA		8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,772.47	76.80
			<i>For Work In Restricted Working Space, Add</i>	34.56	
23 21 13 23-2083	EA		10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,368.27	103.80
			<i>For Work In Restricted Working Space, Add</i>	46.66	
23 21 13 23-2084			Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-2067)		
			Note: Victaulic No. 721		
23 21 13 23-2085	EA		1-1/2" Ball Valve, Grooved, With Standard Trim	246.40	12.78
			<i>For Work In Restricted Working Space, Add</i>	5.86	
23 21 13 23-2086	EA		2" Ball Valve, Grooved, With Standard Trim	282.53	17.55
			<i>For Work In Restricted Working Space, Add</i>	7.70	
23 21 13 23-2087	EA		2-1/2" Ball Valve, Grooved, With Standard Trim	642.86	21.50
			<i>For Work In Restricted Working Space, Add</i>	9.67	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-2088	EA	3" Ball Valve, Grooved, With Standard Trim	1,053.03		25.44
		<i>For Work In Restricted Working Space, Add</i>	11.41		
23 21 13 23-2089	EA	4" Ball Valve, Grooved, With Standard Trim	1,639.10		33.44
		<i>For Work In Restricted Working Space, Add</i>	15.02		
23 21 13 23-2090	EA	6" Ball Valve, Grooved, With Standard Trim	5,090.56		54.94
		<i>For Work In Restricted Working Space, Add</i>	24.56		
23 21 13 23-2091		Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-2067)			
		Note: Victaulic No. 721			
23 21 13 23-2092	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	262.37		12.78
		<i>For Work In Restricted Working Space, Add</i>	5.86		
23 21 13 23-2093	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	448.32		17.55
		<i>For Work In Restricted Working Space, Add</i>	7.70		
23 21 13 23-2094	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,165.63		21.50
		<i>For Work In Restricted Working Space, Add</i>	9.67		
23 21 13 23-2095	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,507.08		25.44
		<i>For Work In Restricted Working Space, Add</i>	11.41		
23 21 13 23-2096	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	2,058.69		33.44
		<i>For Work In Restricted Working Space, Add</i>	15.02		
23 21 13 23-2097	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,610.49		54.94
		<i>For Work In Restricted Working Space, Add</i>	24.56		
23 21 13 23-2098		Grooved Check Valves (23 21 13 23-2067)			
		Note: Victaulic No. 712			
23 21 13 23-2099	EA	2" Check Valve, Grooved	373.80		17.55
		<i>For Work In Restricted Working Space, Add</i>	7.70		
23 21 13 23-2100	EA	2-1/2" Check Valve, Grooved	606.00		21.50
		<i>For Work In Restricted Working Space, Add</i>	9.67		
23 21 13 23-2101	EA	3" Check Valve, Grooved	706.14		25.44
		<i>For Work In Restricted Working Space, Add</i>	11.41		
23 21 13 23-2102	EA	4" Check Valve, Grooved	1,000.61		33.44
		<i>For Work In Restricted Working Space, Add</i>	15.02		
23 21 13 23-2103		Grooved Vic-Check Check Valves (23 21 13 23-2067)			
		Note: Victaulic No. 716			
23 21 13 23-2104	EA	2-1/2" "Vic-Check" Check Valve, Grooved	484.76		21.50
		<i>For Work In Restricted Working Space, Add</i>	9.67		
23 21 13 23-2105	EA	3" "Vic-Check" Check Valve, Grooved	490.57		25.44
		<i>For Work In Restricted Working Space, Add</i>	11.41		
23 21 13 23-2106	EA	4" "Vic-Check" Check Valve, Grooved	614.97		33.44
		<i>For Work In Restricted Working Space, Add</i>	15.02		
23 21 13 23-2107	EA	6" "Vic-Check" Check Valve, Grooved	1,197.62		54.94
		<i>For Work In Restricted Working Space, Add</i>	24.56		
23 21 13 23-2108	EA	8" "Vic-Check" Check Valve, Grooved	1,638.87		76.44
		<i>For Work In Restricted Working Space, Add</i>	34.16		
23 21 13 23-2109	EA	10" "Vic-Check" Check Valve, Grooved	4,567.38		103.56
		<i>For Work In Restricted Working Space, Add</i>	46.27		
23 21 13 23-2110	EA	12" "Vic-Check" Check Valve, Grooved	5,408.23		119.56
		<i>For Work In Restricted Working Space, Add</i>	53.39		
23 21 13 23-2111		Grooved Plug Valves With Lever Operator (23 21 13 23-2067)			
		Note: Victaulic No. 377			
23 21 13 23-2112	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	1,380.71		25.44
		<i>For Work In Restricted Working Space, Add</i>	11.41		
23 21 13 23-2113	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	1,527.52		33.44
		<i>For Work In Restricted Working Space, Add</i>	15.02		
23 21 13 23-2114	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	2,731.74		54.94
		<i>For Work In Restricted Working Space, Add</i>	24.56		
23 21 13 23-2115		Grooved Plug Valve With Gear Operator (23 21 13 23-2067)			
		Note: Victaulic No. 377			
23 21 13 23-2116	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	2,463.56		25.44
		<i>For Work In Restricted Working Space, Add</i>	11.41		
23 21 13 23-2117	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	2,610.46		33.44
		<i>For Work In Restricted Working Space, Add</i>	15.02		
23 21 13 23-2118	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	3,814.69		54.94
		<i>For Work In Restricted Working Space, Add</i>	24.56		
23 21 13 23-2119	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	5,100.13		76.44
		<i>For Work In Restricted Working Space, Add</i>	34.16		
23 21 13 23-2120	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	8,017.56		103.56
		<i>For Work In Restricted Working Space, Add</i>	46.27		
23 21 13 23-2121	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	11,631.48		119.56
		<i>For Work In Restricted Working Space, Add</i>	53.39		
23 21 13 23-2122		Prepare Pipe For Groove (23 21 13 23-1529)			
23 21 13 23-2123		Cut Grooved Pipe (23 21 13 23-2122)			
		Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.			
23 21 13 23-2124	EA	Cut 3/4" Groove Pipe	12.51		
		<i>For Work In Restricted Working Space, Add</i>	3.75		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2125	EA	Cut 1" Groove Pipe	13.59	
		For Work In Restricted Working Space, Add	4.08	
23 21 13 23-2126	EA	Cut 1-1/4" Groove Pipe	15.34	
		For Work In Restricted Working Space, Add	4.60	
23 21 13 23-2127	EA	Cut 1-1/2" Groove Pipe	16.68	
		For Work In Restricted Working Space, Add	5.00	
23 21 13 23-2128	EA	Cut 2" Groove Pipe	18.29	
		For Work In Restricted Working Space, Add	5.49	
23 21 13 23-2129	EA	Cut 2-1/2" Groove Pipe	19.81	
		For Work In Restricted Working Space, Add	5.94	
23 21 13 23-2130	EA	Cut 3" Groove Pipe	21.61	
		For Work In Restricted Working Space, Add	6.48	
23 21 13 23-2131	EA	Cut 3-1/2" Groove Pipe	22.91	
		For Work In Restricted Working Space, Add	6.87	
23 21 13 23-2132	EA	Cut 4" Groove Pipe	24.38	
		For Work In Restricted Working Space, Add	7.31	
23 21 13 23-2133	EA	Cut 5" Groove Pipe	26.41	
		For Work In Restricted Working Space, Add	7.92	
23 21 13 23-2134	EA	Cut 6" Groove Pipe	27.17	
		For Work In Restricted Working Space, Add	8.15	
23 21 13 23-2135	EA	Cut 8" Groove Pipe	35.22	
		For Work In Restricted Working Space, Add	10.57	
23 21 13 23-2136	EA	Cut 10" Groove Pipe	50.05	
		For Work In Restricted Working Space, Add	15.02	
23 21 13 23-2137	EA	Cut 12" Groove Pipe	63.39	
		For Work In Restricted Working Space, Add	19.02	
23 21 13 23-2138	EA	Cut 14" Groove Pipe	95.09	
		For Work In Restricted Working Space, Add	28.53	
23 21 13 23-2139	EA	Cut 16" Groove Pipe	100.10	
		For Work In Restricted Working Space, Add	30.03	
23 21 13 23-2140	EA	Cut 18" Groove Pipe	105.66	
		For Work In Restricted Working Space, Add	31.70	
23 21 13 23-2141	EA	Cut 20" Groove Pipe	111.88	
		For Work In Restricted Working Space, Add	33.56	
23 21 13 23-2142	EA	Cut 24" Groove Pipe	126.80	
		For Work In Restricted Working Space, Add	38.04	
23 21 13 23-2143 Roll Grooved Pipe (23 21 13 23-2122)				
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.				
23 21 13 23-2144	EA	Roll 3/4" Groove	7.15	
		For Work In Restricted Working Space, Add	2.15	
23 21 13 23-2145	EA	Roll 1" Groove	8.34	
		For Work In Restricted Working Space, Add	2.50	
23 21 13 23-2146	EA	Roll 1-1/4" Groove	9.51	
		For Work In Restricted Working Space, Add	2.85	
23 21 13 23-2147	EA	Roll 1-1/2" Groove	10.69	
		For Work In Restricted Working Space, Add	3.21	
23 21 13 23-2148	EA	Roll 2" Groove	16.40	
		For Work In Restricted Working Space, Add	4.92	
23 21 13 23-2149	EA	Roll 2-1/2" Groove	17.29	
		For Work In Restricted Working Space, Add	5.19	
23 21 13 23-2150	EA	Roll 3" Groove	19.02	
		For Work In Restricted Working Space, Add	5.71	
23 21 13 23-2151	EA	Roll 3-1/2" Groove	20.23	
		For Work In Restricted Working Space, Add	6.07	
23 21 13 23-2152	EA	Roll 4" Groove	22.11	
		For Work In Restricted Working Space, Add	6.63	
23 21 13 23-2153	EA	Roll 5" Groove	22.64	
		For Work In Restricted Working Space, Add	6.79	
23 21 13 23-2154	EA	Roll 6" Groove	23.78	
		For Work In Restricted Working Space, Add	7.13	
23 21 13 23-2155	EA	Roll 8" Groove	28.82	
		For Work In Restricted Working Space, Add	8.65	
23 21 13 23-2156	EA	Roll 10" Groove	32.79	
		For Work In Restricted Working Space, Add	9.84	
23 21 13 23-2157	EA	Roll 12" Groove	41.35	
		For Work In Restricted Working Space, Add	12.41	
23 21 13 23-2158	EA	Roll 14" Groove	63.39	
		For Work In Restricted Working Space, Add	19.02	
23 21 13 23-2159	EA	Roll 16" Groove	67.92	
		For Work In Restricted Working Space, Add	20.38	
23 21 13 23-2160	EA	Roll 18" Groove	70.44	
		For Work In Restricted Working Space, Add	21.13	
23 21 13 23-2161	EA	Roll 20" Groove	76.08	
		For Work In Restricted Working Space, Add	22.82	
23 21 13 23-2162	EA	Roll 24" Groove	82.69	
		For Work In Restricted Working Space, Add	24.81	
23 21 13 23-2163 Standard Gaskets (23 21 13 23-2122)				
Note: For use on replacement of existing gaskets.				
23 21 13 23-2164	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	15.06	
		For Work In Restricted Working Space, Add	1.49	
23 21 13 23-2165	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	16.06	
		For Work In Restricted Working Space, Add	1.79	
23 21 13 23-2166	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	17.00	
		For Work In Restricted Working Space, Add	1.99	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 13 23-2167	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	18.75	
		<i>For Work In Restricted Working Space, Add</i>	2.24	
23 21 13 23-2168	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	19.46	
		<i>For Work In Restricted Working Space, Add</i>	2.45	
23 21 13 23-2169	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	22.26	
		<i>For Work In Restricted Working Space, Add</i>	2.56	
23 21 13 23-2170	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	24.54	
		<i>For Work In Restricted Working Space, Add</i>	2.89	
23 21 13 23-2171	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	29.51	
		<i>For Work In Restricted Working Space, Add</i>	3.14	
23 21 13 23-2172	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	30.09	
		<i>For Work In Restricted Working Space, Add</i>	3.32	
23 21 13 23-2173	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	36.23	
		<i>For Work In Restricted Working Space, Add</i>	3.41	
23 21 13 23-2174	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	38.82	
		<i>For Work In Restricted Working Space, Add</i>	3.59	
23 21 13 23-2175	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	52.03	
		<i>For Work In Restricted Working Space, Add</i>	4.48	
23 21 13 23-2176	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	64.15	
		<i>For Work In Restricted Working Space, Add</i>	4.98	
23 21 13 23-2177	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	76.59	
		<i>For Work In Restricted Working Space, Add</i>	6.40	
23 21 13 23-2178	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	107.83	
		<i>For Work In Restricted Working Space, Add</i>	9.43	
23 21 13 23-2179	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	139.77	
		<i>For Work In Restricted Working Space, Add</i>	10.18	
23 21 13 23-2180	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	162.96	
		<i>For Work In Restricted Working Space, Add</i>	10.54	
23 21 13 23-2181	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	233.98	
		<i>For Work In Restricted Working Space, Add</i>	11.20	
23 21 13 23-2182	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	316.00	
		<i>For Work In Restricted Working Space, Add</i>	12.80	

23 21 13 23-2183 Copper Grooved-Joint Pipe Fittings (23 21 13 23)

 Note: Couplings are not included with fittings.

23 21 13 23-2184 Grooved Fittings (23 21 13 23-2183)

23 21 13 23-2185 Grooved 90 Degree Elbows (23 21 13 23-2184)

23 21 13 23-2186	EA	2" Copper 90 Degree Elbow, Grooved.....	158.01	19.47
		<i>For Work In Restricted Working Space, Add</i>	11.71	
23 21 13 23-2187	EA	2-1/2" Copper 90 Degree Elbow, Grooved	176.31	23.77
		<i>For Work In Restricted Working Space, Add</i>	14.27	
23 21 13 23-2188	EA	3" Copper 90 Degree Elbow, Grooved.....	238.02	28.79
		<i>For Work In Restricted Working Space, Add</i>	17.29	
23 21 13 23-2189	EA	4" Copper 90 Degree Elbow, Grooved.....	490.09	37.98
		<i>For Work In Restricted Working Space, Add</i>	22.82	
23 21 13 23-2190	EA	5" Copper 90 Degree Elbow, Grooved.....	1,268.61	47.54
		<i>For Work In Restricted Working Space, Add</i>	28.53	
23 21 13 23-2191	EA	6" Copper 90 Degree Elbow, Grooved.....	1,997.17	62.23
		<i>For Work In Restricted Working Space, Add</i>	37.32	
23 21 13 23-2192	EA	8" Copper 90 Degree Elbow, Grooved.....	3,663.85	74.05
		<i>For Work In Restricted Working Space, Add</i>	44.44	

23 21 13 23-2193 Grooved 45 Degree Elbows (23 21 13 23-2184)

23 21 13 23-2194	EA	2" Copper 45 Degree Elbow, Grooved.....	158.01	19.47
		<i>For Work In Restricted Working Space, Add</i>	11.71	
23 21 13 23-2195	EA	2-1/2" Copper 45 Degree Elbow, Grooved	176.31	23.77
		<i>For Work In Restricted Working Space, Add</i>	14.27	
23 21 13 23-2196	EA	3" Copper 45 Degree Elbow, Grooved.....	238.02	28.79
		<i>For Work In Restricted Working Space, Add</i>	17.29	
23 21 13 23-2197	EA	4" Copper 45 Degree Elbow, Grooved.....	490.09	37.98
		<i>For Work In Restricted Working Space, Add</i>	22.82	
23 21 13 23-2198	EA	5" Copper 45 Degree Elbow, Grooved.....	1,268.61	47.54
		<i>For Work In Restricted Working Space, Add</i>	28.53	
23 21 13 23-2199	EA	6" Copper 45 Degree Elbow, Grooved.....	1,997.17	62.23
		<i>For Work In Restricted Working Space, Add</i>	37.32	
23 21 13 23-2200	EA	8" Copper 45 Degree Elbow, Grooved.....	3,663.85	74.05
		<i>For Work In Restricted Working Space, Add</i>	44.44	

23 21 13 23-2201 Grooved Tees (23 21 13 23-2184)

23 21 13 23-2202	EA	2" Copper Tee, Grooved.....	252.46	28.67
		<i>For Work In Restricted Working Space, Add</i>	17.22	
23 21 13 23-2203	EA	2-1/2" Copper Tee, Grooved.....	277.43	35.23
		<i>For Work In Restricted Working Space, Add</i>	21.13	
23 21 13 23-2204	EA	3" Copper Tee, Grooved.....	394.50	43.24
		<i>For Work In Restricted Working Space, Add</i>	25.94	
23 21 13 23-2205	EA	4" Copper Tee, Grooved.....	787.21	55.90
		<i>For Work In Restricted Working Space, Add</i>	33.56	
23 21 13 23-2206	EA	5" Copper Tee, Grooved.....	3,118.06	73.10
		<i>For Work In Restricted Working Space, Add</i>	43.89	
23 21 13 23-2207	EA	6" Copper Tee, Grooved.....	2,517.55	91.49
		<i>For Work In Restricted Working Space, Add</i>	54.89	
23 21 13 23-2208	EA	8" Copper Tee, Grooved.....	4,390.93	111.08
		<i>For Work In Restricted Working Space, Add</i>	66.65	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2209		Grooved Reducing Tees (23 21 13 23-2184)		
23 21 13 23-2210	EA	2-1/2" Copper Tee, Reducing, Grooved.....	379.02	35.23
		For Work In Restricted Working Space, Add	21.13	
23 21 13 23-2211	EA	3" Copper Tee, Reducing, Grooved.....	610.20	43.24
		For Work In Restricted Working Space, Add	25.94	
23 21 13 23-2212	EA	4" Copper Tee, Reducing, Grooved.....	999.10	56.02
		For Work In Restricted Working Space, Add	33.56	
23 21 13 23-2213	EA	5" Copper Tee, Reducing, Grooved.....	2,854.14	73.22
		For Work In Restricted Working Space, Add	43.89	
23 21 13 23-2214	EA	6" Copper Tee, Reducing, Grooved.....	3,488.97	91.49
		For Work In Restricted Working Space, Add	54.89	
23 21 13 23-2215		Grooved X Cup Reducing Tees (23 21 13 23-2184)		
23 21 13 23-2216	EA	2" Copper Tee, Reducing, Grooved X Cup.....	306.79	28.67
		For Work In Restricted Working Space, Add	17.22	
23 21 13 23-2217	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup.....	380.13	35.23
		For Work In Restricted Working Space, Add	21.13	
23 21 13 23-2218	EA	3" Copper Tee, Reducing, Grooved X Cup.....	659.09	43.24
		For Work In Restricted Working Space, Add	25.94	
23 21 13 23-2219	EA	4" Copper Tee, Reducing, Grooved X Cup.....	999.10	55.90
		For Work In Restricted Working Space, Add	33.56	
23 21 13 23-2220		Grooved Flanged Adapter Nipples (23 21 13 23-2184)		
23 21 13 23-2221	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	555.74	21.14
		For Work In Restricted Working Space, Add	12.73	
23 21 13 23-2222	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	585.94	25.68
		For Work In Restricted Working Space, Add	15.42	
23 21 13 23-2223	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	621.34	30.70
		For Work In Restricted Working Space, Add	18.41	
23 21 13 23-2224	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	696.59	41.33
		For Work In Restricted Working Space, Add	24.81	
23 21 13 23-2225	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	925.33	50.05
		For Work In Restricted Working Space, Add	30.03	
23 21 13 23-2226	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,033.20	67.60
		For Work In Restricted Working Space, Add	40.57	
23 21 13 23-2227		Grooved Concentric Reducers (23 21 13 23-2184)		
23 21 13 23-2228	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	214.19	21.74
		For Work In Restricted Working Space, Add	13.08	
23 21 13 23-2229	EA	3" x 2" Copper Concentric Reducer, Grooved	218.98	24.25
		For Work In Restricted Working Space, Add	14.51	
23 21 13 23-2230	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	228.24	28.79
		For Work In Restricted Working Space, Add	17.29	
23 21 13 23-2231	EA	4" x 2" Copper Concentric Reducer, Grooved	406.76	29.02
		For Work In Restricted Working Space, Add	17.38	
23 21 13 23-2232	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	410.94	31.05
		For Work In Restricted Working Space, Add	18.64	
23 21 13 23-2233	EA	4" x 3" Copper Concentric Reducer, Grooved	415.71	33.44
		For Work In Restricted Working Space, Add	20.07	
23 21 13 23-2234	EA	5" x 3" Copper Concentric Reducer, Grooved	1,057.65	38.22
		For Work In Restricted Working Space, Add	22.94	
23 21 13 23-2235	EA	5" x 4" Copper Concentric Reducer, Grooved	1,067.20	43.00
		For Work In Restricted Working Space, Add	25.80	
23 21 13 23-2236	EA	6" x 3" Copper Concentric Reducer, Grooved	1,152.93	45.39
		For Work In Restricted Working Space, Add	27.23	
23 21 13 23-2237	EA	6" x 4" Copper Concentric Reducer, Grooved	1,162.49	50.17
		For Work In Restricted Working Space, Add	30.10	
23 21 13 23-2238	EA	6" x 5" Copper Concentric Reducer, Grooved	1,172.05	54.94
		For Work In Restricted Working Space, Add	32.97	
23 21 13 23-2239	EA	8" x 6" Copper Concentric Reducer, Grooved	2,000.24	68.08
		For Work In Restricted Working Space, Add	40.85	
23 21 13 23-2240		Grooved X Cup Concentric Reducers (23 21 13 23-2184)		
23 21 13 23-2241	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	171.73	15.29
		For Work In Restricted Working Space, Add	9.14	
23 21 13 23-2242	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	172.92	15.88
		For Work In Restricted Working Space, Add	9.50	
23 21 13 23-2243	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	176.57	17.68
		For Work In Restricted Working Space, Add	10.59	
23 21 13 23-2244	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	206.90	17.08
		For Work In Restricted Working Space, Add	10.24	
23 21 13 23-2245	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	208.08	17.68
		For Work In Restricted Working Space, Add	10.59	
23 21 13 23-2246	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	211.59	19.47
		For Work In Restricted Working Space, Add	11.64	
23 21 13 23-2247	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	216.37	21.74
		For Work In Restricted Working Space, Add	13.08	
23 21 13 23-2248	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	258.18	21.74
		For Work In Restricted Working Space, Add	13.08	
23 21 13 23-2249	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	262.97	24.25
		For Work In Restricted Working Space, Add	14.51	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 21 13 23-2250	EA 4" x 2" Copper Concentric Reducer, Grooved X Cup..... <i>For Work In Restricted Working Space, Add</i>	456.20		28.91	
		17.38			
23 21 13 23-2251	Grooved Standard Couplings (23 21 13 23-2184)				
23 21 13 23-2252	EA 2" Copper Standard Coupling, Grooved <i>For Work In Restricted Working Space, Add</i>	60.54		9.79	
		5.86			
23 21 13 23-2253	EA 2-1/2" Copper Standard Coupling, Grooved <i>For Work In Restricted Working Space, Add</i>	70.80		11.95	
		7.13			
23 21 13 23-2254	EA 3" Copper Standard Coupling, Grooved <i>For Work In Restricted Working Space, Add</i>	80.14		14.21	
		8.52			
23 21 13 23-2255	EA 4" Copper Standard Coupling, Grooved <i>For Work In Restricted Working Space, Add</i>	117.25		19.11	
		11.41			
23 21 13 23-2256	EA 5" Copper Standard Coupling, Grooved <i>For Work In Restricted Working Space, Add</i>	182.30		23.77	
		14.27			
23 21 13 23-2257	EA 6" Copper Standard Coupling, Grooved <i>For Work In Restricted Working Space, Add</i>	240.19		31.05	
		18.66			
23 21 13 23-2258	EA 8" Copper Standard Coupling, Grooved <i>For Work In Restricted Working Space, Add</i>	351.13		37.02	
		22.22			
23 21 13 23-2259	Grooved Caps (23 21 13 23-2184)				
23 21 13 23-2260	EA 2" Copper Cap, Grooved <i>For Work In Restricted Working Space, Add</i>	101.54		9.79	
		5.86			
23 21 13 23-2261	EA 2-1/2" Copper Cap, Grooved <i>For Work In Restricted Working Space, Add</i>	145.49		11.95	
		7.13			
23 21 13 23-2262	EA 3" Copper Cap, Grooved <i>For Work In Restricted Working Space, Add</i>	179.42		14.21	
		8.52			
23 21 13 23-2263	EA 4" Copper Cap, Grooved <i>For Work In Restricted Working Space, Add</i>	264.60		18.99	
		11.41			
23 21 13 23-2264	EA 5" Copper Cap, Grooved <i>For Work In Restricted Working Space, Add</i>	449.25		23.77	
		14.27			
23 21 13 23-2265	EA 6" Copper Cap, Grooved <i>For Work In Restricted Working Space, Add</i>	524.56		31.05	
		18.66			
23 21 13 23-2266	Grooved Valves (23 21 13 23-2183)				
23 21 13 23-2267	Grooved Butterfly Valves, Standard Trim, Without Operator (23 21 13 23-2266) Note: Copper body.				
23 21 13 23-2268	EA 2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body..... <i>For Chain Wheel, Add</i> <i>For Valve Bracket Insulation, Add</i> <i>For Work In Restricted Working Space, Add</i>	481.18		12.78	
		43.45			
		38.20			
		7.70			
23 21 13 23-2269	EA 3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body..... <i>For Chain Wheel, Add</i> <i>For Valve Bracket Insulation, Add</i> <i>For Work In Restricted Working Space, Add</i>	548.23		18.99	
		43.45			
		38.20			
		11.41			
23 21 13 23-2270	EA 4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body..... <i>For Chain Wheel, Add</i> <i>For Valve Bracket Insulation, Add</i> <i>For Work In Restricted Working Space, Add</i>	724.67		24.96	
		43.45			
		38.20			
		15.02			
23 21 13 23-2271	EA 6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body..... <i>For Chain Wheel, Add</i> <i>For Valve Bracket Insulation, Add</i> <i>For Work In Restricted Working Space, Add</i>	968.58		40.97	
		43.45			
		38.20			
		24.56			
23 21 13 23-2272	EA 8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body..... <i>For Chain Wheel, Add</i> <i>For Valve Bracket Insulation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,070.42		57.57	
		43.45			
		38.20			
		34.56			
23 21 13 23-2273	Grooved Butterfly Valves, Standard Trim, With Operator (23 21 13 23-2266) Note: Copper body.				
23 21 13 23-2274	EA 2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body..... <i>For Chain Wheel, Add</i> <i>For Valve Bracket Insulation, Add</i> <i>For Work In Restricted Working Space, Add</i>	587.24		12.78	
		43.45			
		38.20			
		7.70			
23 21 13 23-2275	EA 3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body..... <i>For Chain Wheel, Add</i> <i>For Valve Bracket Insulation, Add</i> <i>For Work In Restricted Working Space, Add</i>	654.36		18.99	
		43.45			
		38.20			
		11.41			
23 21 13 23-2276	EA 4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body..... <i>For Chain Wheel, Add</i> <i>For Valve Bracket Insulation, Add</i> <i>For Work In Restricted Working Space, Add</i>	830.80		24.96	
		43.45			
		38.20			
		15.02			
23 21 13 23-2277	EA 6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body..... <i>For Chain Wheel, Add</i> <i>For Valve Bracket Insulation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,074.78		40.97	
		43.45			
		38.20			
		24.56			
23 21 13 23-2278	EA 8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body..... <i>For Chain Wheel, Add</i> <i>For Valve Bracket Insulation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,176.55		57.57	
		43.45			
		38.20			
		34.56			
23 21 13 23-2279	Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23) Note: Socket or back weld.				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2280			Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2279) Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2281			Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2280)		
23 21 13 23-2282	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.55	3.41
			For Work In Restricted Working Space, Add	1.54	
23 21 13 23-2283	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.95	4.27
			For Work In Restricted Working Space, Add	1.92	
23 21 13 23-2284	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.61	4.55
			For Work In Restricted Working Space, Add	2.05	
23 21 13 23-2285	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.39	4.90
			For Work In Restricted Working Space, Add	2.21	
23 21 13 23-2286	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.66	4.98
			For Work In Restricted Working Space, Add	2.24	
23 21 13 23-2287	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.56	5.96
			For Work In Restricted Working Space, Add	2.69	
23 21 13 23-2288	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	13.18	7.09
			For Work In Restricted Working Space, Add	3.19	
23 21 13 23-2289	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	16.16	8.57
			For Work In Restricted Working Space, Add	3.85	
23 21 13 23-2290	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	24.05	12.84
			For Work In Restricted Working Space, Add	5.78	
23 21 13 23-2291	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	34.04	17.13
			For Work In Restricted Working Space, Add	7.71	
23 21 13 23-2292	LF		8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	43.31	20.41
			For Work In Restricted Working Space, Add	9.19	
23 21 13 23-2293	LF		10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	72.98	22.80
			For Work In Restricted Working Space, Add	10.25	
23 21 13 23-2294			Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2280)		
23 21 13 23-2295	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.14	12.90
			For Work In Restricted Working Space, Add	5.78	
23 21 13 23-2296	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	26.91	17.08
			For Work In Restricted Working Space, Add	7.71	
23 21 13 23-2297	EA		1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	34.03	21.26
			For Work In Restricted Working Space, Add	9.56	
23 21 13 23-2298	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	49.08	30.10
			For Work In Restricted Working Space, Add	13.52	
23 21 13 23-2299	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	55.09	33.92
			For Work In Restricted Working Space, Add	15.25	
23 21 13 23-2300	EA		2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	71.28	43.12
			For Work In Restricted Working Space, Add	19.37	
23 21 13 23-2301	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	115.96	63.78
			For Work In Restricted Working Space, Add	28.67	
23 21 13 23-2302	EA		3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	150.24	83.85
			For Work In Restricted Working Space, Add	37.72	
23 21 13 23-2303	EA		4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	193.09	99.61
			For Work In Restricted Working Space, Add	44.79	
23 21 13 23-2304	EA		6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	275.47	113.82
			For Work In Restricted Working Space, Add	51.19	
23 21 13 23-2305	EA		8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	469.01	132.82
			For Work In Restricted Working Space, Add	59.72	
23 21 13 23-2306	EA		10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	701.34	198.03
			For Work In Restricted Working Space, Add	89.05	
23 21 13 23-2307			Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2280)		
23 21 13 23-2308	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	20.58	12.90
			For Work In Restricted Working Space, Add	5.78	
23 21 13 23-2309	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	27.78	17.08
			For Work In Restricted Working Space, Add	7.71	
23 21 13 23-2310	EA		1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	35.25	21.26
			For Work In Restricted Working Space, Add	9.56	
23 21 13 23-2311	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	49.87	30.10
			For Work In Restricted Working Space, Add	13.52	
23 21 13 23-2312	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	56.84	33.92
			For Work In Restricted Working Space, Add	15.25	
23 21 13 23-2313	EA		2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	72.41	43.12
			For Work In Restricted Working Space, Add	19.37	
23 21 13 23-2314	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	115.96	63.78
			For Work In Restricted Working Space, Add	28.67	
23 21 13 23-2315	EA		3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	157.56	83.85
			For Work In Restricted Working Space, Add	37.72	
23 21 13 23-2316	EA		4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	206.44	99.61
			For Work In Restricted Working Space, Add	44.79	
23 21 13 23-2317	EA		6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	276.69	113.82
			For Work In Restricted Working Space, Add	51.19	
23 21 13 23-2318	EA		8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	454.27	132.82
			For Work In Restricted Working Space, Add	59.72	
23 21 13 23-2319	EA		10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	701.34	198.03
			For Work In Restricted Working Space, Add	89.05	
23 21 13 23-2320			Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2280)		
23 21 13 23-2321	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	32.90	21.26
			For Work In Restricted Working Space, Add	9.56	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-2322	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	39.66	25.68	
		<i>For Work In Restricted Working Space, Add</i>	11.56		
23 21 13 23-2323	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	53.00	33.92	
		<i>For Work In Restricted Working Space, Add</i>	15.25		
23 21 13 23-2324	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	68.05	43.12	
		<i>For Work In Restricted Working Space, Add</i>	19.37		
23 21 13 23-2325	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	81.33	51.36	
		<i>For Work In Restricted Working Space, Add</i>	23.12		
23 21 13 23-2326	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	101.74	63.78	
		<i>For Work In Restricted Working Space, Add</i>	28.67		
23 21 13 23-2327	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	146.31	83.85	
		<i>For Work In Restricted Working Space, Add</i>	37.72		
23 21 13 23-2328	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	176.26	99.61	
		<i>For Work In Restricted Working Space, Add</i>	44.79		
23 21 13 23-2329	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	247.91	132.82	
		<i>For Work In Restricted Working Space, Add</i>	59.72		
23 21 13 23-2330	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	421.53	171.28	
		<i>For Work In Restricted Working Space, Add</i>	77.06		
23 21 13 23-2331	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	700.52	212.49	
		<i>For Work In Restricted Working Space, Add</i>	95.55		
23 21 13 23-2332	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees.....	1,970.83	317.47	
		<i>For Work In Restricted Working Space, Add</i>	142.80		
23 21 13 23-2333 Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2280)					
23 21 13 23-2334	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	41.45	26.51	
		<i>For Work In Restricted Working Space, Add</i>	11.94		
23 21 13 23-2335	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	49.94	32.13	
		<i>For Work In Restricted Working Space, Add</i>	14.45		
23 21 13 23-2336	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	66.96	42.40	
		<i>For Work In Restricted Working Space, Add</i>	19.06		
23 21 13 23-2337	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	86.18	53.87	
		<i>For Work In Restricted Working Space, Add</i>	24.21		
23 21 13 23-2338	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	103.02	64.26	
		<i>For Work In Restricted Working Space, Add</i>	28.90		
23 21 13 23-2339	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	129.15	79.67	
		<i>For Work In Restricted Working Space, Add</i>	35.83		
23 21 13 23-2340	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	189.43	104.87	
		<i>For Work In Restricted Working Space, Add</i>	47.15		
23 21 13 23-2341	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	228.87	124.45	
		<i>For Work In Restricted Working Space, Add</i>	55.99		
23 21 13 23-2342	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	325.41	166.02	
		<i>For Work In Restricted Working Space, Add</i>	74.65		
23 21 13 23-2343	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	579.07	214.04	
		<i>For Work In Restricted Working Space, Add</i>	96.28		
23 21 13 23-2344	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	996.76	265.39	
		<i>For Work In Restricted Working Space, Add</i>	119.38		
23 21 13 23-2345	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,938.59	397.02	
		<i>For Work In Restricted Working Space, Add</i>	178.59		
23 21 13 23-2346 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2280)					
23 21 13 23-2347	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	20.76	13.14	
		<i>For Work In Restricted Working Space, Add</i>	5.99		
23 21 13 23-2348	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	27.24	16.84	
		<i>For Work In Restricted Working Space, Add</i>	7.67		
23 21 13 23-2349	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	36.36	22.58	
		<i>For Work In Restricted Working Space, Add</i>	10.25		
23 21 13 23-2350	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	44.89	28.07	
		<i>For Work In Restricted Working Space, Add</i>	12.79		
23 21 13 23-2351	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	55.13	33.80	
		<i>For Work In Restricted Working Space, Add</i>	15.39		
23 21 13 23-2352	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	77.26	46.94	
		<i>For Work In Restricted Working Space, Add</i>	21.35		
23 21 13 23-2353	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	107.50	64.85	
		<i>For Work In Restricted Working Space, Add</i>	29.50		
23 21 13 23-2354	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	142.91	80.63	
		<i>For Work In Restricted Working Space, Add</i>	36.67		
23 21 13 23-2355	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	193.56	93.88	
		<i>For Work In Restricted Working Space, Add</i>	42.66		
23 21 13 23-2356	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	459.68	108.45	
		<i>For Work In Restricted Working Space, Add</i>	49.29		
23 21 13 23-2357	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts.....	548.28	145.48	
		<i>For Work In Restricted Working Space, Add</i>	66.12		
23 21 13 23-2358 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2280)					
23 21 13 23-2359	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	21.10	12.90	
		<i>For Work In Restricted Working Space, Add</i>	5.78		
23 21 13 23-2360	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	27.52	17.08	
		<i>For Work In Restricted Working Space, Add</i>	7.71		
23 21 13 23-2361	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	34.12	21.26	
		<i>For Work In Restricted Working Space, Add</i>	9.56		
23 21 13 23-2362	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	48.56	30.10	
		<i>For Work In Restricted Working Space, Add</i>	13.52		
23 21 13 23-2363	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	54.83	33.92	
		<i>For Work In Restricted Working Space, Add</i>	15.25		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2364	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	70.05 19.37	43.12
23 21 13 23-2365	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	103.49 28.67	63.78
23 21 13 23-2366	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	134.89 37.72	83.85
23 21 13 23-2367	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	169.98 44.79	99.61
23 21 13 23-2368 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2280)					
23 21 13 23-2369	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	21.71 5.78	12.90
23 21 13 23-2370	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	28.13 7.71	17.08
23 21 13 23-2371	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	35.34 9.56	21.26
23 21 13 23-2372	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	49.26 13.52	30.10
23 21 13 23-2373	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	56.40 15.25	33.92
23 21 13 23-2374	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	71.45 19.37	43.12
23 21 13 23-2375	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	105.06 28.67	63.78
23 21 13 23-2376	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	139.69 37.72	83.85
23 21 13 23-2377	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	167.19 44.79	99.61
23 21 13 23-2378 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2280)					
23 21 13 23-2379	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	20.14 5.78	12.90
23 21 13 23-2380	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	26.82 7.71	17.08
23 21 13 23-2381	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	33.16 9.56	21.26
23 21 13 23-2382	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	47.16 13.52	30.10
23 21 13 23-2383	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	53.26 15.25	33.92
23 21 13 23-2384	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	67.87 19.37	43.12
23 21 13 23-2385	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	109.94 28.67	63.78
23 21 13 23-2386	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	145.09 37.72	83.85
23 21 13 23-2387	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	181.31 44.79	99.61
23 21 13 23-2388 Schedule 40 Polyvinyl Chloride (PVC) P-Traps (23 21 13 23-2280)					
23 21 13 23-2389	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps..... <i>For Work In Restricted Working Space, Add</i>	32.64 7.88	17.55
23 21 13 23-2390 Schedule 40 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2280)					
23 21 13 23-2391	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	19.79 5.78	12.90
23 21 13 23-2392	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	26.39 7.71	17.08
23 21 13 23-2393	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	33.16 9.56	21.26
23 21 13 23-2394	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	46.81 13.52	30.10
23 21 13 23-2395	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	52.74 15.25	33.92
23 21 13 23-2396	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	67.52 19.37	43.12
23 21 13 23-2397	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	102.18 28.67	63.78
23 21 13 23-2398	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	136.11 37.72	83.85
23 21 13 23-2399	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	164.40 44.79	99.61
23 21 13 23-2400	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	218.42 51.19	113.82
23 21 13 23-2401	EA		8" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	288.38 59.72	132.82
23 21 13 23-2402	EA		10" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	623.28 64.01	142.37
23 21 13 23-2403 Schedule 40 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2280)					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 21 13 23-2404	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	.....	38.89	21.26
		For Work In Restricted Working Space, Add	.....	9.56	
23 21 13 23-2405	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	.....	53.27	25.68
		For Work In Restricted Working Space, Add	.....	11.56	
23 21 13 23-2406	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	.....	67.30	33.92
		For Work In Restricted Working Space, Add	.....	15.25	
23 21 13 23-2407	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	.....	104.68	43.12
		For Work In Restricted Working Space, Add	.....	19.37	
23 21 13 23-2408	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	.....	118.92	51.36
		For Work In Restricted Working Space, Add	.....	23.12	
23 21 13 23-2409	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	.....	151.98	63.78
		For Work In Restricted Working Space, Add	.....	28.67	
23 21 13 23-2410	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	.....	228.12	83.85
		For Work In Restricted Working Space, Add	.....	37.72	
23 21 13 23-2411	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	.....	257.81	99.61
		For Work In Restricted Working Space, Add	.....	44.79	
23 21 13 23-2412	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	.....	414.23	132.82
		For Work In Restricted Working Space, Add	.....	59.72	
23 21 13 23-2413	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	.....	545.17	171.28
		For Work In Restricted Working Space, Add	.....	77.03	
23 21 13 23-2414	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	.....	794.19	212.37
		For Work In Restricted Working Space, Add	.....	95.50	
23 21 13 23-2415	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	.....	1,179.62	263.60
		For Work In Restricted Working Space, Add	.....	118.59	
23 21 13 23-2416 Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2280)					
23 21 13 23-2417	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	.....	9.48	5.81
		For Work In Restricted Working Space, Add	.....	2.63	
23 21 13 23-2418	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	.....	12.44	7.64
		For Work In Restricted Working Space, Add	.....	3.47	
23 21 13 23-2419	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	.....	15.73	9.43
		For Work In Restricted Working Space, Add	.....	4.30	
23 21 13 23-2420	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	.....	22.47	13.55
		For Work In Restricted Working Space, Add	.....	6.17	
23 21 13 23-2421	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	.....	24.96	15.05
		For Work In Restricted Working Space, Add	.....	6.86	
23 21 13 23-2422	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	.....	31.58	19.23
		For Work In Restricted Working Space, Add	.....	8.72	
23 21 13 23-2423	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	.....	51.29	28.43
		For Work In Restricted Working Space, Add	.....	12.90	
23 21 13 23-2424	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	.....	65.56	37.38
		For Work In Restricted Working Space, Add	.....	16.97	
23 21 13 23-2425	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	.....	87.77	44.31
		For Work In Restricted Working Space, Add	.....	20.16	
23 21 13 23-2426	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	.....	126.07	50.64
		For Work In Restricted Working Space, Add	.....	23.04	
23 21 13 23-2427	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	.....	254.43	59.13
		For Work In Restricted Working Space, Add	.....	26.88	
23 21 13 23-2428	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	.....	743.49	88.15
		For Work In Restricted Working Space, Add	.....	40.07	
23 21 13 23-2429 Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges (23 21 13 23-2280)					
23 21 13 23-2430	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Socket Weld Flanges	.....	49.38	21.26
		For Work In Restricted Working Space, Add	.....	9.56	
23 21 13 23-2431	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	.....	65.39	25.68
		For Work In Restricted Working Space, Add	.....	11.56	
23 21 13 23-2432	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	.....	80.73	33.92
		For Work In Restricted Working Space, Add	.....	15.25	
23 21 13 23-2433	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	.....	95.35	43.12
		For Work In Restricted Working Space, Add	.....	19.37	
23 21 13 23-2434	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	.....	108.54	51.36
		For Work In Restricted Working Space, Add	.....	23.12	
23 21 13 23-2435	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	.....	137.41	63.78
		For Work In Restricted Working Space, Add	.....	28.67	
23 21 13 23-2436	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	.....	190.36	83.85
		For Work In Restricted Working Space, Add	.....	37.72	
23 21 13 23-2437	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	.....	220.65	99.61
		For Work In Restricted Working Space, Add	.....	44.79	
23 21 13 23-2438	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	.....	289.42	132.82
		For Work In Restricted Working Space, Add	.....	59.72	
23 21 13 23-2439	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	.....	398.82	171.28
		For Work In Restricted Working Space, Add	.....	77.03	
23 21 13 23-2440	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	.....	638.86	212.37
		For Work In Restricted Working Space, Add	.....	95.50	
23 21 13 23-2441	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	.....	1,117.06	263.25
		For Work In Restricted Working Space, Add	.....	118.40	
23 21 13 23-2442 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings (23 21 13 23-2279)					
Note: ASTM D1785 with D2467 fittings.					
23 21 13 23-2443 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2442)					
23 21 13 23-2444	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	.....	5.67	3.46
		For Work In Restricted Working Space, Add	.....	1.54	
23 21 13 23-2445	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	.....	7.10	4.30
		For Work In Restricted Working Space, Add	.....	1.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2446	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	8.72	5.13
			For Work In Restricted Working Space, Add	2.30	
23 21 13 23-2447	LF		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	10.38	5.97
			For Work In Restricted Working Space, Add	2.69	
23 21 13 23-2448	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	11.94	6.80
			For Work In Restricted Working Space, Add	3.08	
23 21 13 23-2449	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	15.28	8.60
			For Work In Restricted Working Space, Add	3.85	
23 21 13 23-2450	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	17.76	9.43
			For Work In Restricted Working Space, Add	4.24	
23 21 13 23-2451	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	20.22	10.27
			For Work In Restricted Working Space, Add	4.62	
23 21 13 23-2452	LF		4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	26.34	12.90
			For Work In Restricted Working Space, Add	5.78	
23 21 13 23-2453	LF		6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	39.13	17.08
			For Work In Restricted Working Space, Add	7.71	
23 21 13 23-2454	LF		8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	51.11	20.42
			For Work In Restricted Working Space, Add	9.19	
23 21 13 23-2455	LF		10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	96.06	21.97
			For Work In Restricted Working Space, Add	9.90	
23 21 13 23-2456 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (23 21 13 23-2442)					
23 21 13 23-2457	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	22.41	12.90
			For Work In Restricted Working Space, Add	5.78	
			For Threaded Fittings, Add	2.89	
23 21 13 23-2458	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	29.79	17.08
			For Work In Restricted Working Space, Add	7.71	
			For Threaded Fittings, Add	3.85	
23 21 13 23-2459	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	38.48	21.26
			For Work In Restricted Working Space, Add	9.56	
			For Threaded Fittings, Add	4.78	
23 21 13 23-2460	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	53.88	30.10
			For Work In Restricted Working Space, Add	13.52	
			For Threaded Fittings, Add	6.76	
23 21 13 23-2461	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	60.24	33.92
			For Work In Restricted Working Space, Add	15.25	
			For Threaded Fittings, Add	7.62	
23 21 13 23-2462	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	75.99	43.12
			For Work In Restricted Working Space, Add	19.37	
			For Threaded Fittings, Add	9.68	
23 21 13 23-2463	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	122.33	63.78
			For Work In Restricted Working Space, Add	28.67	
			For Threaded Fittings, Add	14.33	
23 21 13 23-2464	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	155.82	83.85
			For Work In Restricted Working Space, Add	37.72	
			For Threaded Fittings, Add	18.86	
23 21 13 23-2465	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	195.01	99.61
			For Work In Restricted Working Space, Add	44.79	
			For Threaded Fittings, Add	22.40	
23 21 13 23-2466	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	335.73	113.82
			For Work In Restricted Working Space, Add	51.19	
			For Threaded Fittings, Add	25.59	
23 21 13 23-2467	EA		8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	557.97	132.82
			For Work In Restricted Working Space, Add	59.72	
			For Threaded Fittings, Add	29.86	
23 21 13 23-2468	EA		10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	701.34	198.03
			For Work In Restricted Working Space, Add	89.05	
			For Threaded Fittings, Add	44.52	
23 21 13 23-2469 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2442)					
23 21 13 23-2470	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	25.29	12.90
			For Work In Restricted Working Space, Add	5.78	
			For Threaded Fittings, Add	2.89	
23 21 13 23-2471	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	34.85	17.08
			For Work In Restricted Working Space, Add	7.71	
			For Threaded Fittings, Add	3.85	
23 21 13 23-2472	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	45.63	21.26
			For Work In Restricted Working Space, Add	9.56	
			For Threaded Fittings, Add	4.78	
23 21 13 23-2473	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	62.69	30.10
			For Work In Restricted Working Space, Add	13.52	
			For Threaded Fittings, Add	6.76	
23 21 13 23-2474	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	71.58	33.92
			For Work In Restricted Working Space, Add	15.25	
			For Threaded Fittings, Add	7.62	
23 21 13 23-2475	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	91.51	43.12
			For Work In Restricted Working Space, Add	19.37	
			For Threaded Fittings, Add	9.68	
23 21 13 23-2476	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	152.25	63.78
			For Work In Restricted Working Space, Add	28.67	
			For Threaded Fittings, Add	14.33	
23 21 13 23-2477	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	194.72	83.85
			For Work In Restricted Working Space, Add	37.72	
			For Threaded Fittings, Add	18.86	
23 21 13 23-2478	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	273.60	99.61
			For Work In Restricted Working Space, Add	44.79	
			For Threaded Fittings, Add	22.40	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 21 13 23-2479	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	327.11		113.82
		For Work In Restricted Working Space, Add	51.19		
		For Threaded Fittings, Add	25.59		
23 21 13 23-2480	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	538.37		132.82
		For Work In Restricted Working Space, Add	59.72		
		For Threaded Fittings, Add	29.86		
23 21 13 23-2481	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	679.30		198.03
		For Work In Restricted Working Space, Add	89.05		
		For Threaded Fittings, Add	44.52		
23 21 13 23-2482 Schedule 80 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2442)					
23 21 13 23-2483	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	39.22		20.18
		For Work In Restricted Working Space, Add	9.07		
		For Threaded Fittings, Add	4.54		
23 21 13 23-2484	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	47.95		25.68
		For Work In Restricted Working Space, Add	11.56		
		For Threaded Fittings, Add	5.78		
23 21 13 23-2485	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	62.60		33.92
		For Work In Restricted Working Space, Add	15.25		
		For Threaded Fittings, Add	7.62		
23 21 13 23-2486	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	97.10		43.12
		For Work In Restricted Working Space, Add	19.37		
		For Threaded Fittings, Add	9.68		
23 21 13 23-2487	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	109.60		51.36
		For Work In Restricted Working Space, Add	23.12		
		For Threaded Fittings, Add	11.56		
23 21 13 23-2488	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	136.28		63.78
		For Work In Restricted Working Space, Add	28.67		
		For Threaded Fittings, Add	14.33		
23 21 13 23-2489	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	170.04		83.85
		For Work In Restricted Working Space, Add	37.72		
		For Threaded Fittings, Add	18.86		
23 21 13 23-2490	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	204.61		99.61
		For Work In Restricted Working Space, Add	44.79		
		For Threaded Fittings, Add	22.40		
23 21 13 23-2491	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	263.18		132.82
		For Work In Restricted Working Space, Add	59.72		
		For Threaded Fittings, Add	29.86		
23 21 13 23-2492	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	475.88		171.28
		For Work In Restricted Working Space, Add	77.06		
		For Threaded Fittings, Add	38.53		
23 21 13 23-2493	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	826.50		212.49
		For Work In Restricted Working Space, Add	95.55		
		For Threaded Fittings, Add	47.78		
23 21 13 23-2494	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	1,970.93		317.47
		For Work In Restricted Working Space, Add	142.80		
		For Threaded Fittings, Add	71.40		
23 21 13 23-2495 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2442)					
23 21 13 23-2496	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	51.88		25.20
		For Work In Restricted Working Space, Add	11.34		
		For Threaded Fittings, Add	5.67		
23 21 13 23-2497	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	62.92		32.13
		For Work In Restricted Working Space, Add	14.45		
		For Threaded Fittings, Add	7.22		
23 21 13 23-2498	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	81.99		42.40
		For Work In Restricted Working Space, Add	19.06		
		For Threaded Fittings, Add	9.53		
23 21 13 23-2499	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	131.71		53.87
		For Work In Restricted Working Space, Add	24.21		
		For Threaded Fittings, Add	12.11		
23 21 13 23-2500	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	147.32		64.26
		For Work In Restricted Working Space, Add	28.90		
		For Threaded Fittings, Add	14.45		
23 21 13 23-2501	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	183.29		79.67
		For Work In Restricted Working Space, Add	35.83		
		For Threaded Fittings, Add	17.92		
23 21 13 23-2502	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	226.63		104.87
		For Work In Restricted Working Space, Add	47.15		
		For Threaded Fittings, Add	23.57		
23 21 13 23-2503	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	273.32		124.45
		For Work In Restricted Working Space, Add	55.99		
		For Threaded Fittings, Add	27.99		
23 21 13 23-2504	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	349.34		166.02
		For Work In Restricted Working Space, Add	74.65		
		For Threaded Fittings, Add	37.33		
23 21 13 23-2505	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	664.28		214.04
		For Work In Restricted Working Space, Add	96.28		
		For Threaded Fittings, Add	48.14		
23 21 13 23-2506	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,194.25		265.39
		For Work In Restricted Working Space, Add	119.38		
		For Threaded Fittings, Add	59.69		
23 21 13 23-2507	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	2,938.75		397.02
		For Work In Restricted Working Space, Add	178.59		
		For Threaded Fittings, Add	89.30		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2508		Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2442)		
23 21 13 23-2509	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	27.52	17.08
		For Work In Restricted Working Space, Add	7.71	
23 21 13 23-2510	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	37.17	21.26
		For Work In Restricted Working Space, Add	9.56	
23 21 13 23-2511	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	53.44	30.10
		For Work In Restricted Working Space, Add	13.52	
23 21 13 23-2512	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	62.24	33.92
		For Work In Restricted Working Space, Add	15.25	
23 21 13 23-2513	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	80.87	43.12
		For Work In Restricted Working Space, Add	19.37	
23 21 13 23-2514	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	123.81	63.78
		For Work In Restricted Working Space, Add	28.67	
23 21 13 23-2515	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	170.65	83.85
		For Work In Restricted Working Space, Add	37.72	
23 21 13 23-2516	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	211.58	99.61
		For Work In Restricted Working Space, Add	44.79	
23 21 13 23-2517	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	239.70	113.82
		For Work In Restricted Working Space, Add	51.19	
23 21 13 23-2518	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	352.39	132.82
		For Work In Restricted Working Space, Add	59.72	
23 21 13 23-2519	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts.....	559.19	154.20
		For Work In Restricted Working Space, Add	69.38	
23 21 13 23-2520		Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2442)		
23 21 13 23-2521	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	19.88	12.90
		For Work In Restricted Working Space, Add	5.78	
23 21 13 23-2522	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	29.09	17.08
		For Work In Restricted Working Space, Add	7.71	
23 21 13 23-2523	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	37.17	21.26
		For Work In Restricted Working Space, Add	9.56	
23 21 13 23-2524	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	55.88	30.10
		For Work In Restricted Working Space, Add	13.52	
23 21 13 23-2525	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	64.43	33.92
		For Work In Restricted Working Space, Add	15.25	
23 21 13 23-2526	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	81.22	43.12
		For Work In Restricted Working Space, Add	19.37	
23 21 13 23-2527	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	130.78	63.78
		For Work In Restricted Working Space, Add	28.67	
23 21 13 23-2528	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	190.97	83.85
		For Work In Restricted Working Space, Add	37.72	
23 21 13 23-2529	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	249.61	99.61
		For Work In Restricted Working Space, Add	44.79	
23 21 13 23-2530		Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2442)		
23 21 13 23-2531	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	26.68	12.90
		For Work In Restricted Working Space, Add	5.78	
23 21 13 23-2532	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	33.89	17.08
		For Work In Restricted Working Space, Add	7.71	
23 21 13 23-2533	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	46.15	21.26
		For Work In Restricted Working Space, Add	9.56	
23 21 13 23-2534	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	61.82	30.10
		For Work In Restricted Working Space, Add	13.52	
23 21 13 23-2535	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	74.89	33.92
		For Work In Restricted Working Space, Add	15.25	
23 21 13 23-2536	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	95.96	43.12
		For Work In Restricted Working Space, Add	19.37	
23 21 13 23-2537	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	131.31	63.78
		For Work In Restricted Working Space, Add	28.67	
23 21 13 23-2538	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	165.41	83.85
		For Work In Restricted Working Space, Add	37.72	
23 21 13 23-2539	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	219.87	99.61
		For Work In Restricted Working Space, Add	44.79	
23 21 13 23-2540		Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2442)		
23 21 13 23-2541	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	24.68	12.90
		For Work In Restricted Working Space, Add	5.78	
23 21 13 23-2542	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	33.71	17.08
		For Work In Restricted Working Space, Add	7.71	
23 21 13 23-2543	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	43.71	21.26
		For Work In Restricted Working Space, Add	9.56	
23 21 13 23-2544	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	64.34	30.10
		For Work In Restricted Working Space, Add	13.52	
23 21 13 23-2545	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	74.46	33.92
		For Work In Restricted Working Space, Add	15.25	
23 21 13 23-2546	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	105.73	43.12
		For Work In Restricted Working Space, Add	19.37	
23 21 13 23-2547	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	160.61	63.78
		For Work In Restricted Working Space, Add	28.67	
23 21 13 23-2548	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	198.99	83.85
		For Work In Restricted Working Space, Add	37.72	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 23 21 13 23-2549 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....275.25 99.61
For Work In Restricted Working Space, Add 44.79
23 21 13 23-2550 Schedule 80 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2442)
 23 21 13 23-2551 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....25.03 12.90
For Work In Restricted Working Space, Add 5.78
For Threaded Fittings, Add 2.89
 23 21 13 23-2552 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....33.45 17.08
For Work In Restricted Working Space, Add 7.71
For Threaded Fittings, Add 3.85
 23 21 13 23-2553 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....39.87 21.26
For Work In Restricted Working Space, Add 9.56
For Threaded Fittings, Add 4.78
 23 21 13 23-2554 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings57.37 30.10
For Work In Restricted Working Space, Add 13.52
For Threaded Fittings, Add 6.76
 23 21 13 23-2555 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings64.08 33.92
For Work In Restricted Working Space, Add 15.25
For Threaded Fittings, Add 7.62
 23 21 13 23-2556 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....78.69 43.12
For Work In Restricted Working Space, Add 19.37
For Threaded Fittings, Add 9.68
 23 21 13 23-2557 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings130.52 63.78
For Work In Restricted Working Space, Add 28.67
For Threaded Fittings, Add 14.33
 23 21 13 23-2558 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....165.94 83.85
For Work In Restricted Working Space, Add 37.72
For Threaded Fittings, Add 18.86
 23 21 13 23-2559 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....199.72 99.61
For Work In Restricted Working Space, Add 44.79
For Threaded Fittings, Add 22.40
 23 21 13 23-2560 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....279.04 113.82
For Work In Restricted Working Space, Add 51.19
For Threaded Fittings, Add 25.59
 23 21 13 23-2561 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....346.64 132.82
For Work In Restricted Working Space, Add 59.72
For Threaded Fittings, Add 29.86
 23 21 13 23-2562 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....649.45 142.37
For Work In Restricted Working Space, Add 64.01
For Threaded Fittings, Add 32.01
23 21 13 23-2563 Schedule 80 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2442)
 23 21 13 23-2564 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions44.76 21.26
For Work In Restricted Working Space, Add 9.56
 23 21 13 23-2565 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions53.44 25.68
For Work In Restricted Working Space, Add 11.56
 23 21 13 23-2566 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Unions67.83 33.92
For Work In Restricted Working Space, Add 15.25
 23 21 13 23-2567 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions107.12 43.12
For Work In Restricted Working Space, Add 19.37
 23 21 13 23-2568 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions131.83 51.36
For Work In Restricted Working Space, Add 23.12
 23 21 13 23-2569 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Unions169.77 63.78
For Work In Restricted Working Space, Add 28.67
 23 21 13 23-2570 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions263.93 83.85
For Work In Restricted Working Space, Add 37.72
 23 21 13 23-2571 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Unions327.44 99.61
For Work In Restricted Working Space, Add 44.79
 23 21 13 23-2572 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Unions414.75 132.82
For Work In Restricted Working Space, Add 59.72
 23 21 13 23-2573 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Unions545.17 171.28
For Work In Restricted Working Space, Add 77.03
 23 21 13 23-2574 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Unions794.19 212.37
For Work In Restricted Working Space, Add 95.50
 23 21 13 23-2575 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Unions1,178.99 263.25
For Work In Restricted Working Space, Add 118.40
23 21 13 23-2576 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions (23 21 13 23-2442)
 23 21 13 23-2577 EA 1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....47.50 26.54
 23 21 13 23-2578 EA 3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....56.75 30.70
 23 21 13 23-2579 EA 1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....68.75 36.19
 23 21 13 23-2580 EA 1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....92.07 43.12
 23 21 13 23-2581 EA 1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....110.96 51.36
 23 21 13 23-2582 EA 2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....147.32 63.78
 23 21 13 23-2583 EA 3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....316.48 123.62
 23 21 13 23-2584 EA 4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....343.12 137.12
23 21 13 23-2585 Schedule 80 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2442)
 23 21 13 23-2586 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps16.78 5.74
For Work In Restricted Working Space, Add 2.60
For Threaded Fittings, Add 1.30
 23 21 13 23-2587 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps20.12 7.64
For Work In Restricted Working Space, Add 3.47
For Threaded Fittings, Add 1.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2588	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	29.50 4.30 2.15	9.43
23 21 13 23-2589	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	38.60 6.08 3.04	13.38
23 21 13 23-2590	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	41.19 6.86 3.43	15.05
23 21 13 23-2591	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	56.52 8.72 4.36	19.23
23 21 13 23-2592	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	99.43 12.90 6.45	28.43
23 21 13 23-2593	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	125.57 16.97 8.49	37.38
23 21 13 23-2594	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	178.13 20.16 10.08	44.31
23 21 13 23-2595	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	352.40 23.04 11.52	50.64
23 21 13 23-2596	EA		8" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	468.20 26.88 13.44	59.13
23 21 13 23-2597	EA		10" Schedule 80 Polyvinyl Chloride (PVC) Caps For Work In Restricted Working Space, Add For Threaded Fittings, Add	830.70 40.07 20.04	88.15
23 21 13 23-2598			Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges (23 21 13 23-2442)		
23 21 13 23-2599	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	56.88 9.56 4.78	21.26
23 21 13 23-2600	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	65.39 11.56 5.78	25.68
23 21 13 23-2601	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	80.74 15.25 7.62	33.92
23 21 13 23-2602	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	95.35 19.37 9.68	43.12
23 21 13 23-2603	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	108.55 23.12 11.56	51.36
23 21 13 23-2604	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	137.41 28.67 14.33	63.78
23 21 13 23-2605	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	190.36 37.72 18.86	83.85
23 21 13 23-2606	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	220.65 44.79 22.40	99.61
23 21 13 23-2607	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	289.43 59.72 29.86	132.82
23 21 13 23-2608	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	398.83 77.03 38.51	171.28
23 21 13 23-2609	EA		8" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	638.86 95.50 47.75	212.37
23 21 13 23-2610	EA		10" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges For Work In Restricted Working Space, Add For Threaded Fittings, Add	1,117.06 118.40 59.20	263.25
23 21 13 23-2611			Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2279) Note: In place pipe.		
23 21 13 23-2612	EA		1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	6.49 1.95	
23 21 13 23-2613	EA		3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	7.00 2.10	
23 21 13 23-2614	EA		1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	7.88 2.36	
23 21 13 23-2615	EA		1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	8.27 2.48	
23 21 13 23-2616	EA		1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	8.75 2.63	
23 21 13 23-2617	EA		2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	9.63 2.89	
23 21 13 23-2618	EA		2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	10.37 3.11	
23 21 13 23-2619	EA		3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe For Work In Restricted Working Space, Add	12.25 3.68	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
23 21 13 23-2620	EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	16.54			
		4.96			
23 21 13 23-2621	EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	23.63			
		7.09			
23 21 13 23-2622	EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.52			
		9.46			
23 21 13 23-2623	EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	38.54			
		11.56			
23 21 13 23-2624	Polyvinylidene Fluoride (PVDF), Socket Weld (23 21 13 23)				
23 21 13 23-2625	Pipe (23 21 13 23-2624)				
23 21 13 23-2626	LF 1/2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	41.98		3.46	
23 21 13 23-2627	LF 3/4" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	56.19		4.30	
23 21 13 23-2628	LF 1" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	79.37		4.54	
23 21 13 23-2629	LF 1-1/2" Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	111.08		5.01	
23 21 13 23-2630	LF 2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	140.76		5.97	
23 21 13 23-2631	90 Degree Elbows (23 21 13 23-2624)				
23 21 13 23-2632	EA 1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	49.50		12.78	
23 21 13 23-2633	EA 3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	66.10		17.08	
23 21 13 23-2634	EA 1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	108.85		21.26	
23 21 13 23-2635	EA 1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	188.71		33.92	
23 21 13 23-2636	EA 2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	245.97		43.12	
23 21 13 23-2637	45 Degree Elbows (23 21 13 23-2624)				
23 21 13 23-2638	EA 1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	57.13		12.90	
23 21 13 23-2639	EA 3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	76.83		17.08	
23 21 13 23-2640	EA 1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	108.85		21.26	
23 21 13 23-2641	EA 1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	163.00		33.92	
23 21 13 23-2642	EA 2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	239.18		43.12	
23 21 13 23-2643	Tees (23 21 13 23-2624)				
23 21 13 23-2644	EA 1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	91.75		21.26	
23 21 13 23-2645	EA 3/4" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	102.11		25.68	
23 21 13 23-2646	EA 1" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	147.74		33.92	
23 21 13 23-2647	EA 1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	242.92		51.36	
23 21 13 23-2648	EA 2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	356.64		63.78	
23 21 13 23-2649	Reducing Tees (23 21 13 23-2624)				
23 21 13 23-2650	EA 3/4" x 1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	104.49		23.89	
23 21 13 23-2651	EA 1" x 1/2" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	146.06		27.83	
23 21 13 23-2652	EA 1" x 3/4" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	149.66		30.22	
23 21 13 23-2653	EA 1-1/2" x 1" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	256.64		43.00	
23 21 13 23-2654	EA 2" x 1-1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	384.10		57.33	
23 21 13 23-2655	Socket Weld Reducing Couplings (23 21 13 23-2624)				
23 21 13 23-2656	EA 3/4" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	56.31		15.17	
23 21 13 23-2657	EA 1" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	72.05		17.55	
23 21 13 23-2658	EA 1" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	79.31		19.95	
23 21 13 23-2659	EA 1-1/2" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	120.60		23.89	
23 21 13 23-2660	EA 1-1/2" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	128.99		26.28	
23 21 13 23-2661	EA 1-1/2" x 1" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	131.37		27.83	
23 21 13 23-2662	EA 2" x 1-1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	185.12		39.06	
23 21 13 23-2663	Male Adapters, Socket Weld X Male Thread (23 21 13 23-2624)				
23 21 13 23-2664	EA 1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	79.17		12.90	
23 21 13 23-2665	EA 3/4" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	101.13		17.08	
23 21 13 23-2666	EA 1" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	116.62		21.26	
23 21 13 23-2667	EA 1-1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	150.28		33.92	
23 21 13 23-2668	EA 2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	203.80		43.00	
23 21 13 23-2669	Female Adapters, Socket Weld X Female Thread (23 21 13 23-2624)				
23 21 13 23-2670	EA 1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	79.17		12.90	
23 21 13 23-2671	EA 3/4" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	101.42		17.08	
23 21 13 23-2672	EA 1" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	116.62		21.26	
23 21 13 23-2673	EA 1-1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	150.28		33.92	
23 21 13 23-2674	EA 2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	203.86		43.12	
23 21 13 23-2675	Socket Weld Couplings (23 21 13 23-2624)				
23 21 13 23-2676	EA 1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	40.46		12.90	
23 21 13 23-2677	EA 3/4" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	51.97		17.08	
23 21 13 23-2678	EA 1" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	67.17		21.26	
23 21 13 23-2679	EA 1-1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	124.29		33.92	
23 21 13 23-2680	EA 2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	170.52		43.12	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 21 13 23-2681 Socket Weld Unions (23 21 13 23-2624)					
23 21 13 23-2682	EA	1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	163.24		21.26
23 21 13 23-2683	EA	3/4" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	195.63		25.68
23 21 13 23-2684	EA	1" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	281.67		33.92
23 21 13 23-2685	EA	1-1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	493.84		51.36
23 21 13 23-2686	EA	2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	608.40		63.78
23 21 13 23-2687 Caps (23 21 13 23-2624)					
23 21 13 23-2688	EA	1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	30.59		6.41
23 21 13 23-2689	EA	3/4" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	43.22		8.56
23 21 13 23-2690	EA	1" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	54.31		10.58
23 21 13 23-2691	EA	1-1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	96.06		16.92
23 21 13 23-2692	EA	2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	136.23		21.48
23 21 13 23-2693 150 Lb. Socket Weld Flanges (23 21 13 23-2624)					
23 21 13 23-2694	EA	1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	111.25		21.50
23 21 13 23-2695	EA	3/4" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	140.25		25.44
23 21 13 23-2696	EA	1" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	184.75		34.28
23 21 13 23-2697	EA	1-1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	266.38		51.84
23 21 13 23-2698	EA	2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	420.50		63.78
23 21 13 23-2699 Polyethylene Pipe And Fittings (23 21 13 23)					
23 21 13 23-2700 Small Diameter Tubing (23 21 13 23-2699)					
23 21 13 23-2701 Tubing (23 21 13 23-2700)					
23 21 13 23-2702	LF	1/4" Polyethylene Tubing	3.83		
		For Work In Restricted Working Space, Add	1.08		
23 21 13 23-2703	LF	5/16" Polyethylene Tubing	4.10		
		For Work In Restricted Working Space, Add	1.10		
23 21 13 23-2704	LF	3/8" Polyethylene Tubing	4.31		
		For Work In Restricted Working Space, Add	1.13		
23 21 13 23-2705	LF	1/2" Polyethylene Tubing	4.47		
		For Work In Restricted Working Space, Add	1.22		
23 21 13 23-2706 Female Copper Thread x Straight Compression Connection (23 21 13 23-2700)					
Note: Ford C04.					
23 21 13 23-2707	EA	3/4" Copper X 3/4" P.E. Straight Compression Connection	30.59		9.08
		For Work In Restricted Working Space, Add	5.45		
23 21 13 23-2708	EA	3/4" Copper X 1" P.E. Straight Compression Connection	35.15		10.37
		For Work In Restricted Working Space, Add	6.23		
23 21 13 23-2709	EA	1" Copper X 1" P.E. Straight Compression Connection	41.14		11.67
		For Work In Restricted Working Space, Add	7.01		
23 21 13 23-2710	EA	1-1/4" Copper X 1" P.E. Straight Compression Connection	47.35		12.33
		For Work In Restricted Working Space, Add	7.40		
23 21 13 23-2711	EA	1-1/4" Copper X 1-1/4" P.E. Straight Compression Connection	53.58		12.97
		For Work In Restricted Working Space, Add	7.79		
23 21 13 23-2712	EA	1-1/2" Copper X 1-1/2" P.E. Straight Compression Connection	72.55		14.27
		For Work In Restricted Working Space, Add	8.56		
23 21 13 23-2713	EA	2" Copper X 2" P.E. Straight Compression Connection	83.59		15.57
		For Work In Restricted Working Space, Add	9.34		
23 21 13 23-2714 Female Copper Thread x Compression Connection (23 21 13 23-2700)					
Note: Ford L04.					
23 21 13 23-2715	EA	3/4" Copper X 3/4" P.E. Compression Connection	36.10		9.08
		For Work In Restricted Working Space, Add	5.45		
23 21 13 23-2716	EA	3/4" Copper X 1" P.E. Compression Connection	42.30		10.37
		For Work In Restricted Working Space, Add	6.23		
23 21 13 23-2717	EA	1" Copper X 1" P.E. Compression Connection	50.28		11.67
		For Work In Restricted Working Space, Add	7.01		
23 21 13 23-2718	EA	1-1/2" Copper X 1-1/2" P.E. Compression Connection	90.70		14.27
		For Work In Restricted Working Space, Add	8.56		
23 21 13 23-2719	EA	2" Copper X 2" P.E. Compression Connection	102.84		15.57
		For Work In Restricted Working Space, Add	9.34		
23 21 13 23-2720 Male Iron Pipe Thread x Straight Compression Connection (23 21 13 23-2700)					
Note: Ford C84.					
23 21 13 23-2721	EA	3/4" M.I.P. X 3/4" P.E. Straight Compression Connection	32.36		10.37
		For Work In Restricted Working Space, Add	6.23		
23 21 13 23-2722	EA	3/4" M.I.P. X 1" P.E. Straight Compression Connection	33.40		10.37
		For Work In Restricted Working Space, Add	6.23		
23 21 13 23-2723	EA	1" M.I.P. X 1" P.E. Straight Compression Connection	37.07		11.67
		For Work In Restricted Working Space, Add	7.01		
23 21 13 23-2724	EA	1-1/4" M.I.P. X 1-1/4" P.E. Straight Compression Connection	50.00		12.97
		For Work In Restricted Working Space, Add	7.79		
23 21 13 23-2725	EA	1-1/2" M.I.P. X 1-1/2" P.E. Straight Compression Connection	62.96		14.27
		For Work In Restricted Working Space, Add	8.56		
23 21 13 23-2726	EA	2" M.I.P. X 2" P.E. Straight Compression Connection	81.29		15.57
		For Work In Restricted Working Space, Add	9.34		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
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23 21 13 23-2727 Male Iron Pipe Thread x Compression Connection (23 21 13 23-2700)			
Note: Ford L84.			
23 21 13 23-2728	EA	3/4" M.I.P. X 3/4" P.E. Compression Connection.....	30.23
		For Work In Restricted Working Space, Add	5.45
23 21 13 23-2729	EA	3/4" M.I.P. X 1" P.E. Compression Connection.....	37.23
		For Work In Restricted Working Space, Add	6.23
23 21 13 23-2730	EA	1" M.I.P. X 1" P.E. Compression Connection.....	44.21
		For Work In Restricted Working Space, Add	7.01
23 21 13 23-2731	EA	1-1/2" M.I.P. X 1-1/2" P.E. Compression Connection	84.70
		For Work In Restricted Working Space, Add	8.56
23 21 13 23-2732	EA	2" M.I.P. X 2" P.E. Compression Connection.....	111.61
		For Work In Restricted Working Space, Add	9.34
23 21 13 23-2733 Straight Couplings, Compression Connection (23 21 13 23-2700)			
Note: Ford C44.			
23 21 13 23-2734	EA	3/4" X 3/4" Compression Connection.....	32.33
		For Work In Restricted Working Space, Add	5.45
23 21 13 23-2735	EA	1" X 1" Compression Connection.....	38.81
		For Work In Restricted Working Space, Add	7.01
23 21 13 23-2736	EA	1-1/4" X 1-1/4" Compression Connection	66.11
		For Work In Restricted Working Space, Add	7.79
23 21 13 23-2737	EA	1-1/2" X 1-1/2" Compression Connection	77.99
		For Work In Restricted Working Space, Add	8.56
23 21 13 23-2738	EA	2" X 2" Compression Connection.....	97.92
		For Work In Restricted Working Space, Add	9.34
23 21 13 23-2739 Elbow Couplings x Compression Connection (23 21 13 23-2700)			
Note: Ford L44.			
23 21 13 23-2740	EA	3/4" X 3/4" Compression Connection.....	35.56
		For Work In Restricted Working Space, Add	5.45
23 21 13 23-2741	EA	1" X 1" Compression Connection.....	45.70
		For Work In Restricted Working Space, Add	7.01
23 21 13 23-2742	EA	1-1/2" X 1-1/2" Compression Connection	97.43
		For Work In Restricted Working Space, Add	8.56
23 21 13 23-2743	EA	2" X 2" Compression Connection.....	170.53
		For Work In Restricted Working Space, Add	9.34
23 21 13 23-2744 Stainless Steel Insert Stiffeners (23 21 13 23-2700)			
Note: Ford insert.			
23 21 13 23-2745	EA	3/4" Stainless Steel Insert Stiffeners.....	8.69
		For Work In Restricted Working Space, Add	1.62
23 21 13 23-2746	EA	1" Stainless Steel Insert Stiffeners.....	11.02
		For Work In Restricted Working Space, Add	1.87
23 21 13 23-2747	EA	1-1/4" Stainless Steel Insert Stiffeners.....	15.36
		For Work In Restricted Working Space, Add	2.03
23 21 13 23-2748	EA	1-1/2" Stainless Steel Insert Stiffeners.....	19.08
		For Work In Restricted Working Space, Add	2.21
23 21 13 23-2749	EA	2" Stainless Steel Insert Stiffeners.....	29.24
		For Work In Restricted Working Space, Add	2.43
23 21 13 23-2750 Flanged Lead Corporation Stop Coupling (23 21 13 23-2700)			
Note: Lead flange x copper tube thread (Mueller)			
23 21 13 23-2751	EA	3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505).....	62.84
		For Work In Restricted Working Space, Add	9.34
23 21 13 23-2752	EA	1" x 3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505).....	84.04
		For Work In Restricted Working Space, Add	9.73
23 21 13 23-2753	EA	1" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	86.63
		For Work In Restricted Working Space, Add	10.51
23 21 13 23-2754	EA	1-1/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	129.90
		For Work In Restricted Working Space, Add	11.68
23 21 13 23-2755	EA	1-1/2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	173.84
		For Work In Restricted Working Space, Add	12.45
23 21 13 23-2756	EA	2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	295.14
		For Work In Restricted Working Space, Add	13.62
23 21 13 23-2757	EA	2" Flanged Lead Corporation Stop Couplings, XXS Lead Flange X Copper Tube Thread (H-15510).....	364.56
		For Work In Restricted Working Space, Add	15.18
23 21 13 23-2758 Chrome Plated Pipe (23 21 13 23)			
23 21 13 23-2759 Chrome Plated Nipples (23 21 13 23-2758)			
23 21 13 23-2760 Close (23 21 13 23-2759)			
23 21 13 23-2761	EA	1/4" Diameter Chrome Plated Nipple, Close.....	22.40
23 21 13 23-2762	EA	3/8" Diameter Chrome Plated Nipple, Close.....	21.65
23 21 13 23-2763	EA	1/2" Diameter Chrome Plated Nipple, Close.....	26.74
23 21 13 23-2764	EA	3/4" Diameter Chrome Plated Nipple, Close.....	34.98
23 21 13 23-2765	EA	1" Diameter Chrome Plated Nipple, Close.....	46.78
23 21 13 23-2766	EA	1-1/4" Diameter Chrome Plated Nipple, Close.....	66.19
23 21 13 23-2767	EA	1-1/2" Diameter Chrome Plated Nipple, Close.....	80.51
23 21 13 23-2768	EA	2" Diameter Chrome Plated Nipple, Close.....	103.48

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
23 21 13 23-2769	1-1/2" Nipples (23 21 13 23-2759)				
23 21 13 23-2770	EA 1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	23.88		10.77	
23 21 13 23-2771	EA 3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	22.83		11.67	
23 21 13 23-2772	EA 1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	27.42		13.36	
23 21 13 23-2773	EA 3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple.....	36.19		16.86	
23 21 13 23-2774	2" Nipples (23 21 13 23-2759)				
23 21 13 23-2775	EA 1/4" Diameter, 2" Length, Chrome Plated Nipple.....	24.83		11.29	
23 21 13 23-2776	EA 3/8" Diameter, 2" Length, Chrome Plated Nipple.....	23.63		12.06	
23 21 13 23-2777	EA 1/2" Diameter, 2" Length, Chrome Plated Nipple.....	29.44		13.88	
23 21 13 23-2778	EA 3/4" Diameter, 2" Length, Chrome Plated Nipple.....	37.92		17.26	
23 21 13 23-2779	EA 1" Diameter, 2" Length, Chrome Plated Nipple.....	49.41		22.44	
23 21 13 23-2780	EA 1-1/4" Diameter, 2" Length, Chrome Plated Nipple.....	70.40		31.13	
23 21 13 23-2781	EA 1-1/2" Diameter, 2" Length, Chrome Plated Nipple.....	85.36		36.32	
23 21 13 23-2782	2-1/2" Nipples (23 21 13 23-2759)				
23 21 13 23-2783	EA 1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	26.23		11.67	
23 21 13 23-2784	EA 3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	24.49		12.59	
23 21 13 23-2785	EA 1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	30.68		14.27	
23 21 13 23-2786	EA 3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	38.83		17.77	
23 21 13 23-2787	EA 1" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	50.78		22.96	
23 21 13 23-2788	EA 1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	74.39		31.52	
23 21 13 23-2789	EA 1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	90.64		36.71	
23 21 13 23-2790	EA 2" Diameter, 2-1/2" Length, Chrome Plated Nipple.....	115.07		45.40	
23 21 13 23-2791	3" Nipples (23 21 13 23-2759)				
23 21 13 23-2792	EA 1/4" Diameter, 3" Length, Chrome Plated Nipple.....	27.31		12.06	
23 21 13 23-2793	EA 3/8" Diameter, 3" Length, Chrome Plated Nipple.....	25.89		12.97	
23 21 13 23-2794	EA 1/2" Diameter, 3" Length, Chrome Plated Nipple.....	30.24		13.88	
23 21 13 23-2795	EA 3/4" Diameter, 3" Length, Chrome Plated Nipple.....	41.75		18.16	
23 21 13 23-2796	EA 1" Diameter, 3" Length, Chrome Plated Nipple.....	56.66		23.35	
23 21 13 23-2797	EA 1-1/4" Diameter, 3" Length, Chrome Plated Nipple.....	78.72		32.04	
23 21 13 23-2798	EA 1-1/2" Diameter, 3" Length, Chrome Plated Nipple.....	103.00		37.23	
23 21 13 23-2799	EA 2" Diameter, 3" Length, Chrome Plated Nipple.....	124.78		45.92	
23 21 13 23-2800	3-1/2" Nipples (23 21 13 23-2759)				
23 21 13 23-2801	EA 1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	28.54		12.59	
23 21 13 23-2802	EA 3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	28.23		13.36	
23 21 13 23-2803	EA 1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	33.30		15.17	
23 21 13 23-2804	EA 3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	46.04		18.55	
23 21 13 23-2805	EA 1" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	58.98		23.73	
23 21 13 23-2806	EA 1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	87.17		32.43	
23 21 13 23-2807	EA 1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	106.75		37.62	
23 21 13 23-2808	EA 2" Diameter, 3-1/2" Length, Chrome Plated Nipple.....	132.51		46.31	
23 21 13 23-2809	4" Nipples (23 21 13 23-2759)				
23 21 13 23-2810	EA 1/4" Diameter, 4" Length, Chrome Plated Nipple.....	29.75		12.97	
23 21 13 23-2811	EA 3/8" Diameter, 4" Length, Chrome Plated Nipple.....	28.95		13.88	
23 21 13 23-2812	EA 1/2" Diameter, 4" Length, Chrome Plated Nipple.....	33.51		14.66	
23 21 13 23-2813	EA 3/4" Diameter, 4" Length, Chrome Plated Nipple.....	47.78		19.07	
23 21 13 23-2814	EA 1" Diameter, 4" Length, Chrome Plated Nipple.....	61.19		24.26	
23 21 13 23-2815	EA 1-1/4" Diameter, 4" Length, Chrome Plated Nipple.....	93.63		32.82	
23 21 13 23-2816	EA 1-1/2" Diameter, 4" Length, Chrome Plated Nipple.....	114.39		38.01	
23 21 13 23-2817	EA 2" Diameter, 4" Length, Chrome Plated Nipple.....	141.93		46.70	
23 21 13 23-2818	4-1/2" Nipples (23 21 13 23-2759)				
23 21 13 23-2819	EA 1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	30.84		13.36	
23 21 13 23-2820	EA 3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	31.29		14.27	
23 21 13 23-2821	EA 1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	36.73		15.96	
23 21 13 23-2822	EA 3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	49.76		19.46	
23 21 13 23-2823	EA 1" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	68.65		24.65	
23 21 13 23-2824	EA 1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	99.81		33.33	
23 21 13 23-2825	EA 1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	117.84		38.53	
23 21 13 23-2826	EA 2" Diameter, 4-1/2" Length, Chrome Plated Nipple.....	150.61		47.22	
23 21 13 23-2827	5" Nipples (23 21 13 23-2759)				
23 21 13 23-2828	EA 1/4" Diameter, 5" Length, Chrome Plated Nipple.....	34.41		13.88	
23 21 13 23-2829	EA 3/8" Diameter, 5" Length, Chrome Plated Nipple.....	32.78		14.66	
23 21 13 23-2830	EA 1/2" Diameter, 5" Length, Chrome Plated Nipple.....	38.04		16.47	
23 21 13 23-2831	EA 3/4" Diameter, 5" Length, Chrome Plated Nipple.....	51.66		19.85	
23 21 13 23-2832	EA 1" Diameter, 5" Length, Chrome Plated Nipple.....	73.20		25.03	
23 21 13 23-2833	EA 1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	105.45		33.73	
23 21 13 23-2834	EA 1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	125.50		38.92	
23 21 13 23-2835	EA 2" Diameter, 5" Length, Chrome Plated Nipple.....	156.24		47.61	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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23 21 13 23-2836		5-1/2" Nipples (23 21 13 23-2759)			
23 21 13 23-2837	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	35.53	14.27	
23 21 13 23-2838	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	33.97	15.17	
23 21 13 23-2839	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	41.59	16.86	
23 21 13 23-2840	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	53.56	20.36	
23 21 13 23-2841	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	75.62	25.56	
23 21 13 23-2842	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	112.26	34.12	
23 21 13 23-2843	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	131.63	39.30	
23 21 13 23-2844	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	163.39	47.99	
23 21 13 23-2845		6" Nipples (23 21 13 23-2759)			
23 21 13 23-2846	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple.....	36.84	14.66	
23 21 13 23-2847	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple.....	34.66	15.57	
23 21 13 23-2848	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple.....	42.80	17.26	
23 21 13 23-2849	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple.....	55.12	20.76	
23 21 13 23-2850	EA	1" Diameter, 6" Length, Chrome Plated Nipple.....	82.86	25.95	
23 21 13 23-2851	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	116.47	34.63	
23 21 13 23-2852	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	141.03	39.82	
23 21 13 23-2853	EA	2" Diameter, 6" Length, Chrome Plated Nipple.....	169.95	48.52	
23 21 13 23-2854		8" Nipples (23 21 13 23-2759)			
23 21 13 23-2855	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple.....	41.14	16.47	
23 21 13 23-2856	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple.....	60.24	18.16	
23 21 13 23-2857	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple.....	73.20	21.66	
23 21 13 23-2858	EA	1" Diameter, 8" Length, Chrome Plated Nipple.....	97.10	26.85	
23 21 13 23-2859	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple.....	139.04	35.42	
23 21 13 23-2860	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple.....	170.51	40.60	
23 21 13 23-2861	EA	2" Diameter, 8" Length, Chrome Plated Nipple.....	210.02	49.29	
23 21 13 23-2862		10" Nipples (23 21 13 23-2759)			
23 21 13 23-2863	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple.....	47.23	16.47	
23 21 13 23-2864	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple.....	67.91	18.16	
23 21 13 23-2865	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple.....	82.08	21.66	
23 21 13 23-2866	EA	1" Diameter, 10" Length, Chrome Plated Nipple.....	110.54	26.85	
23 21 13 23-2867	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple.....	167.81	35.42	
23 21 13 23-2868	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple.....	192.42	40.60	
23 21 13 23-2869	EA	2" Diameter, 10" Length, Chrome Plated Nipple.....	245.05	49.29	
23 21 13 23-2870		12" Nipples (23 21 13 23-2759)			
23 21 13 23-2871	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple.....	52.68	18.16	
23 21 13 23-2872	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple.....	71.09	19.07	
23 21 13 23-2873	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple.....	90.53	22.44	
23 21 13 23-2874	EA	1" Diameter, 12" Length, Chrome Plated Nipple.....	129.49	28.53	
23 21 13 23-2875	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple.....	188.02	37.23	
23 21 13 23-2876	EA	2" Diameter, 12" Length, Chrome Plated Nipple.....	275.70	51.11	
23 21 13 23-2877		18" Nipples (23 21 13 23-2759)			
23 21 13 23-2878	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple.....	66.81	19.07	
23 21 13 23-2879		24" Nipples (23 21 13 23-2759)			
23 21 13 23-2880	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple.....	80.33	19.85	
23 21 13 23-2881		30" Nipples (23 21 13 23-2759)			
23 21 13 23-2882	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple.....	88.98	20.76	
23 21 13 23-2883		36" Nipples (23 21 13 23-2759)			
23 21 13 23-2884	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple.....	97.65	21.66	
23 21 13 23-2885		Chrome Plated Fittings (23 21 13 23-2759)			
23 21 13 23-2886		Chrome Plated 90 Degree Elbows (23 21 13 23-2885)			
23 21 13 23-2887	EA	1/4" 90 Degree Elbow, Chrome Plated.....	28.40	12.06	
23 21 13 23-2888	EA	3/8" 90 Degree Elbow, Chrome Plated.....	29.04	12.97	
23 21 13 23-2889	EA	1/2" 90 Degree Elbow, Chrome Plated.....	32.60	13.88	
23 21 13 23-2890	EA	3/4" 90 Degree Elbow, Chrome Plated.....	41.65	18.16	
23 21 13 23-2891	EA	1" 90 Degree Elbow, Chrome Plated.....	56.42	23.35	
23 21 13 23-2892	EA	1-1/4" 90 Degree Elbow, Chrome Plated.....	86.34	32.04	
23 21 13 23-2893	EA	1-1/2" 90 Degree Elbow, Chrome Plated.....	103.59	37.23	
23 21 13 23-2894	EA	2" 90 Degree Elbow, Chrome Plated.....	141.26	45.92	
23 21 13 23-2895		Chrome Plated Street 90 Degree Elbows (23 21 13 23-2885)			

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23 21 13 23-2896	EA	1/4" Street 90 Degree Elbow, Chrome Plated.....	32.69		12.06
23 21 13 23-2897	EA	3/8" Street 90 Degree Elbow, Chrome Plated.....	33.75		12.97
23 21 13 23-2898	EA	1/2" Street 90 Degree Elbow, Chrome Plated.....	35.87		13.88
23 21 13 23-2899	EA	3/4" Street 90 Degree Elbow, Chrome Plated.....	46.48		18.16
23 21 13 23-2900	EA	1" Street 90 Degree Elbow, Chrome Plated.....	65.32		23.35
23 21 13 23-2901	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	95.47		32.04
23 21 13 23-2902	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	116.38		37.23
23 21 13 23-2903	EA	2" Street 90 Degree Elbow, Chrome Plated.....	171.36		45.92
23 21 13 23-2904 Chrome Plated 45 Degree Elbows (23 21 13 23-2885)					
23 21 13 23-2905	EA	1/4" 45 Degree Elbow, Chrome Plated.....	29.34		12.06
23 21 13 23-2906	EA	3/8" 45 Degree Elbow, Chrome Plated.....	30.40		12.97
23 21 13 23-2907	EA	1/2" 45 Degree Elbow, Chrome Plated	33.57		13.88
23 21 13 23-2908	EA	3/4" 45 Degree Elbow, Chrome Plated	45.34		18.16
23 21 13 23-2909	EA	1" 45 Degree Elbow, Chrome Plated	60.54		23.35
23 21 13 23-2910	EA	1-1/4" 45 Degree Elbow, Chrome Plated	91.30		32.04
23 21 13 23-2911	EA	1-1/2" 45 Degree Elbow, Chrome Plated	110.22		37.23
23 21 13 23-2912	EA	2" 45 Degree Elbow, Chrome Plated	159.47		45.92
23 21 13 23-2913 Chrome Plated Street 45 Degree Elbows (23 21 13 23-2885)					
23 21 13 23-2914	EA	1/2" Street 45 Degree Elbow, Chrome Plated.....	39.46		13.88
23 21 13 23-2915 Chrome Plated Couplings (23 21 13 23-2885)					
23 21 13 23-2916	EA	1/4" Coupling, Chrome Plated	27.82		12.06
23 21 13 23-2917	EA	3/8" Coupling, Chrome Plated	29.12		12.97
23 21 13 23-2918	EA	1/2" Coupling, Chrome Plated	32.84		13.88
23 21 13 23-2919	EA	3/4" Coupling, Chrome Plated	41.75		18.16
23 21 13 23-2920	EA	1" Coupling, Chrome Plated	54.38		23.35
23 21 13 23-2921	EA	1-1/4" Coupling, Chrome Plated	78.93		32.04
23 21 13 23-2922	EA	1-1/2" Coupling, Chrome Plated	97.38		37.23
23 21 13 23-2923	EA	2" Coupling, Chrome Plated	133.68		45.92
23 21 13 23-2924 Chrome Plated Unions (23 21 13 23-2885)					
23 21 13 23-2925	EA	1/4" Union, Chrome Plated	44.07		13.88
23 21 13 23-2926	EA	3/8" Union, Chrome Plated	45.39		14.66
23 21 13 23-2927	EA	1/2" Union, Chrome Plated	54.72		16.47
23 21 13 23-2928	EA	3/4" Union, Chrome Plated	67.99		21.66
23 21 13 23-2929	EA	1" Union, Chrome Plated.....	86.02		27.63
23 21 13 23-2930	EA	1-1/4" Union, Chrome Plated	138.67		37.23
23 21 13 23-2931	EA	1-1/2" Union, Chrome Plated	172.43		44.11
23 21 13 23-2932	EA	2" Union, Chrome Plated	224.61		53.71
23 21 13 23-2933 Chrome Plated Caps (23 21 13 23-2885)					
23 21 13 23-2934	EA	1/4" Cap, Chrome Plated.....	18.49		6.10
23 21 13 23-2935	EA	3/8" Cap, Chrome Plated	19.14		6.49
23 21 13 23-2936	EA	1/2" Cap, Chrome Plated	21.80		6.87
23 21 13 23-2937	EA	3/4" Cap, Chrome Plated	27.24		9.08
23 21 13 23-2938	EA	1" Cap, Chrome Plated	32.48		11.67
23 21 13 23-2939	EA	1-1/4" Cap, Chrome Plated.....	47.81		15.96
23 21 13 23-2940	EA	1-1/2" Cap, Chrome Plated	62.73		18.55
23 21 13 23-2941	EA	2" Cap, Chrome Plated	91.41		24.26
23 21 13 23-2942 Chrome Plated Plugs (23 21 13 23-2885)					
23 21 13 23-2943	EA	1/4" Plug, Chrome Plated	15.22		6.10
23 21 13 23-2944	EA	3/8" Plug, Chrome Plated	15.87		6.49
23 21 13 23-2945	EA	1/2" Plug, Chrome Plated	18.35		6.87
23 21 13 23-2946	EA	3/4" Plug, Chrome Plated	24.79		9.08
23 21 13 23-2947	EA	1" Plug, Chrome Plated	30.61		11.67
23 21 13 23-2948	EA	1-1/4" Plug, Chrome Plated	41.36		15.96
23 21 13 23-2949	EA	1-1/2" Plug, Chrome Plated	50.91		18.55
23 21 13 23-2950	EA	2" Plug, Chrome Plated	70.85		24.26
23 21 13 23-2951 Chrome Plated Tees (23 21 13 23-2885)					
23 21 13 23-2952	EA	1/4" Chrome Plated Tee	39.59		18.16
23 21 13 23-2953	EA	3/8" Chrome Plated Tee	42.18		19.85
23 21 13 23-2954	EA	1/2" Chrome Plated Tee	46.96		21.66
23 21 13 23-2955	EA	3/4" Chrome Plated Tee	58.48		26.85
23 21 13 23-2956	EA	1" Chrome Plated Tee.....	82.80		34.63
23 21 13 23-2957	EA	1-1/4" Chrome Plated Tee	114.13		47.61
23 21 13 23-2958	EA	1-1/2" Chrome Plated Tee	145.54		55.39
23 21 13 23-2959	EA	2" Chrome Plated Tee	198.89		68.36
23 21 13 23-2960 Chrome Plated Reducing 90 Degree Elbows (23 21 13 23-2885)					
23 21 13 23-2961	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	44.78		21.66
23 21 13 23-2962	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	52.57		26.85

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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23 21 13 23-2963		Chrome Plated Bell Reducers (23 21 13 23-2885)			
23 21 13 23-2964	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	48.73		21.66
23 21 13 23-2965	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	59.37		26.85
23 21 13 23-2966	EA	1" x 1/2" Bell Reducer, Chrome Plated	75.49		34.63
23 21 13 23-2967		Chrome Plated Reducing Tees (23 21 13 23-2885)			
23 21 13 23-2968	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	64.40		26.85
23 21 13 23-2969		Chrome Plated Bushings (23 21 13 23-2885)			
23 21 13 23-2970	EA	3/8" x 1/4" Bushing, Chrome Plated	15.12		6.10
23 21 13 23-2971	EA	1/2" x 1/4" Bushing, Chrome Plated	16.28		6.49
23 21 13 23-2972	EA	1/2" x 3/8" Bushing, Chrome Plated	16.92		6.87
23 21 13 23-2973	EA	3/4" x 1/2" Bushing, Chrome Plated	21.54		9.08
23 21 13 23-2974	EA	1" x 3/4" Bushing, Chrome Plated	31.24		11.67
23 21 13 23-2975	EA	1-1/4" x 1" Bushing, Chrome Plated	45.60		15.96
23 21 13 23-2976		Aluminum Tubing Assemblies (23 21 13 23)			
Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.					
23 21 13 23-2977	LF	1/8" Inside Diameter Aluminum Pipe/Tubing Assembly	11.74		4.54
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.					
23 21 13 23-2978	LF	3/16" Inside Diameter Aluminum Pipe/Tubing Assembly	13.37		5.19
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.					
23 21 13 23-2979	LF	1/4" Inside Diameter Aluminum Pipe/Tubing Assembly	14.87		5.84
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.					
23 21 13 23-2980	LF	5/16" Inside Diameter Aluminum Pipe/Tubing Assembly	16.23		6.49
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.					
23 21 13 23-2981	LF	3/8" Inside Diameter Aluminum Pipe/Tubing Assembly	18.02		7.13
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.					
23 21 13 23-2982	LF	1/2" Inside Diameter Aluminum Pipe/Tubing Assembly	20.78		7.79
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.					
23 21 13 23-2983	LF	5/8" Inside Diameter Aluminum Pipe/Tubing Assembly	24.36		8.96
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.					
23 21 13 23-2984	LF	3/4" Inside Diameter Aluminum Pipe/Tubing Assembly	30.18		10.16
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.					
23 21 13 23-2985	LF	7/8" Inside Diameter Aluminum Pipe/Tubing Assembly	35.08		11.34
Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.					
23 21 13 23-2986	LF	1" Inside Diameter Aluminum Pipe/Tubing Assembly	42.44		11.95
23 21 16		Hydronic Piping Specialties (23 21)			
23 21 16 00-0001		Y-Type Strainers (23 21 16)			
23 21 16 00-0002		Screwed Ends, 250 Lb., Iron Body, Y-Type Strainers (23 21 16 00-0001)			
23 21 16 00-0003	EA	1/4" Or 3/8" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	87.14		14.53
For Galvanized Body, Add			22.81		
For Work In Restricted Working Space, Add			12.46		
23 21 16 00-0004	EA	1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	87.78		14.80
For Galvanized Body, Add			22.81		
For Work In Restricted Working Space, Add			12.65		
23 21 16 00-0005	EA	3/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	111.53		19.98
For Galvanized Body, Add			27.22		
For Work In Restricted Working Space, Add			17.13		
23 21 16 00-0006	EA	1" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	141.69		23.87
For Galvanized Body, Add			36.78		
For Work In Restricted Working Space, Add			20.44		
23 21 16 00-0007	EA	1-1/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	185.12		29.52
For Galvanized Body, Add			50.39		
For Work In Restricted Working Space, Add			25.31		
23 21 16 00-0008	EA	1-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	212.21		31.80
For Galvanized Body, Add			60.69		
For Work In Restricted Working Space, Add			27.25		
23 21 16 00-0009	EA	2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	290.65		36.33
For Galvanized Body, Add			93.42		
For Work In Restricted Working Space, Add			31.14		
23 21 16 00-0010	EA	2-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	549.79		45.41
For Galvanized Body, Add			210.01		
For Work In Restricted Working Space, Add			38.93		
23 21 16 00-0011	EA	3" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	710.95		56.84
For Galvanized Body, Add			274.37		
For Work In Restricted Working Space, Add			48.66		

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23 21 16 00-0012			Flanged, 125 Lb., Iron Body , Y-Type Strainers (23 21 16 00-0001)		
23 21 16 00-0013	EA		1-1/2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	518.21	136.25
			For Galvanized Body, Add	173.74	
			For Work In Restricted Working Space, Add	51.22	
23 21 16 00-0014	EA		2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	592.30	172.98
			For Galvanized Body, Add	188.01	
			For Work In Restricted Working Space, Add	64.88	
23 21 16 00-0015	EA		3" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,172.50	220.61
			For Galvanized Body, Add	448.21	
			For Work In Restricted Working Space, Add	82.83	
23 21 16 00-0016	EA		4" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,480.70	369.83
			For Galvanized Body, Add	508.63	
			For Work In Restricted Working Space, Add	139.04	
23 21 16 00-0017	EA		5" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,602.98	372.51
			For Galvanized Body, Add	569.03	
			For Work In Restricted Working Space, Add	139.48	
23 21 16 00-0018	EA		6" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,932.64	413.90
			For Galvanized Body, Add	706.71	
			For Work In Restricted Working Space, Add	155.77	
23 21 16 00-0019	EA		8" Flanged, 125 Lb., Iron Body, Y-Type Strainer	3,440.72	528.87
			For Galvanized Body, Add	1,391.87	
			For Work In Restricted Working Space, Add	197.09	
23 21 16 00-0020	EA		10" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,009.25	643.84
			For Galvanized Body, Add	3,102.23	
			For Work In Restricted Working Space, Add	241.44	
23 21 16 00-0021	EA		12" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,600.97	574.86
			For Galvanized Body, Add	3,225.63	
			For Work In Restricted Working Space, Add	344.91	
23 21 16 00-0022			Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainers (23 21 16 00-0001)		
			Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0023	EA		1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	77.90	14.80
			For 300 Lb. Rating, Add	60.74	
			For Work In Restricted Working Space, Add	12.65	
23 21 16 00-0024	EA		3/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	103.54	19.98
			For 300 Lb. Rating, Add	78.95	
			For Work In Restricted Working Space, Add	17.13	
23 21 16 00-0025	EA		1" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	126.63	23.87
			For 300 Lb. Rating, Add	99.45	
			For Work In Restricted Working Space, Add	20.44	
23 21 16 00-0026	EA		1-1/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	172.24	29.52
			For 300 Lb. Rating, Add	149.41	
			For Work In Restricted Working Space, Add	25.31	
23 21 16 00-0027	EA		1-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	204.99	31.80
			For 300 Lb. Rating, Add	194.06	
			For Work In Restricted Working Space, Add	27.25	
23 21 16 00-0028	EA		2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	273.78	36.33
			For 300 Lb. Rating, Add	288.95	
			For Work In Restricted Working Space, Add	31.14	
23 21 16 00-0029	EA		2-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	384.77	45.41
			For 300 Lb. Rating, Add	433.50	
			For Work In Restricted Working Space, Add	38.93	
23 21 16 00-0030	EA		3" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	690.92	56.84
			For 300 Lb. Rating, Add	898.81	
			For Work In Restricted Working Space, Add	48.66	
23 21 16 00-0031	EA		4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	1,198.05	68.13
			For 300 Lb. Rating, Add	1,705.78	
			For Work In Restricted Working Space, Add	58.40	
23 21 16 00-0032			Flanged, 150 Lb., Bronze Body, Y-Type Strainers (23 21 16 00-0001)		
			Note: With bolted cap.		
23 21 16 00-0033	EA		2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	660.09	172.98
			For 300 Lb. Rating, Add	266.29	
			For Work In Restricted Working Space, Add	64.88	
23 21 16 00-0034	EA		2-1/2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	688.11	188.16
			For 300 Lb. Rating, Add	271.31	
			For Work In Restricted Working Space, Add	70.78	
23 21 16 00-0035	EA		3" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	793.87	220.61
			For 300 Lb. Rating, Add	310.67	
			For Work In Restricted Working Space, Add	82.83	
23 21 16 00-0036	EA		4" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	1,721.58	369.83
			For 300 Lb. Rating, Add	754.88	
			For Work In Restricted Working Space, Add	139.04	
23 21 16 00-0037	EA		6" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	2,426.33	413.90
			For 300 Lb. Rating, Add	1,144.27	
			For Work In Restricted Working Space, Add	155.77	
23 21 16 00-0038	EA		8" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	3,911.61	528.87
			For 300 Lb. Rating, Add	1,952.78	
			For Work In Restricted Working Space, Add	197.09	
23 21 16 00-0039	EA		10" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	12,486.11	643.84
			For 300 Lb. Rating, Add	7,008.79	
			For Work In Restricted Working Space, Add	241.44	
23 21 16 00-0040			Polyvinyl Chloride (PVC) Body, Y-Type Strainers (23 21 16 00-0001)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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23 21 16 00-0041 Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainers (23 21 16 00-0040)			
23 21 16 00-0042	EA	1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	111.59
		<i>For Work In Restricted Working Space, Add</i>	12.45
23 21 16 00-0043	EA	3/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	134.09
		<i>For Work In Restricted Working Space, Add</i>	16.73
23 21 16 00-0044	EA	1" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	162.01
		<i>For Work In Restricted Working Space, Add</i>	22.96
23 21 16 00-0045	EA	1-1/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	238.64
		<i>For Work In Restricted Working Space, Add</i>	24.52
23 21 16 00-0046	EA	1-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	243.75
		<i>For Work In Restricted Working Space, Add</i>	26.46
23 21 16 00-0047	EA	2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	284.22
		<i>For Work In Restricted Working Space, Add</i>	29.96
23 21 16 00-0048	EA	2-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	568.47
		<i>For Work In Restricted Working Space, Add</i>	38.92
23 21 16 00-0049	EA	3" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	573.48
		<i>For Work In Restricted Working Space, Add</i>	48.65
23 21 16 00-0050	EA	4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	893.10
		<i>For Work In Restricted Working Space, Add</i>	51.75
23 21 16 00-0051 Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainers (23 21 16 00-0040)			
23 21 16 00-0052	EA	2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	468.36
		<i>For Work In Restricted Working Space, Add</i>	48.65
23 21 16 00-0053	EA	2-1/2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	880.22
		<i>For Work In Restricted Working Space, Add</i>	63.43
23 21 16 00-0054	EA	3" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	911.28
		<i>For Work In Restricted Working Space, Add</i>	82.80
23 21 16 00-0055	EA	4" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer.....	1,487.04
		<i>For Work In Restricted Working Space, Add</i>	138.98
23 21 16 00-0056 Crimped Bronze Body, Class 125, Y-Type Strainers (23 21 16 00-0001)			
Note: Nibco®			
23 21 16 00-0057	EA	1/2" Class 125, Crimped Bronze Body, Y-Type Strainer.....	189.17
		<i>For Work In Restricted Working Space, Add</i>	8.76
23 21 16 00-0058	EA	3/4" Class 125, Crimped Bronze Body, Y-Type Strainer.....	219.18
		<i>For Work In Restricted Working Space, Add</i>	9.97
23 21 16 00-0059	EA	1" Class 125, Crimped Bronze Body, Y-Type Strainer.....	312.67
		<i>For Work In Restricted Working Space, Add</i>	11.92
23 21 16 00-0060	EA	1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer.....	420.02
		<i>For Work In Restricted Working Space, Add</i>	13.13
23 21 16 00-0061	EA	1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer.....	506.05
		<i>For Work In Restricted Working Space, Add</i>	14.60
23 21 16 00-0062	EA	2" Class 125, Crimped Bronze Body, Y-Type Strainer.....	750.59
		<i>For Work In Restricted Working Space, Add</i>	17.51
23 21 16 00-0063 Crimped Bronze Body, 250 PSI, Y-Type Strainers (23 21 16 00-0001)			
23 21 16 00-0064	EA	1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	80.29
23 21 16 00-0065	EA	3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	97.66
23 21 16 00-0066	EA	1" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	141.91
23 21 16 00-0067	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	172.81
23 21 16 00-0068	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	205.73
23 21 16 00-0069	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	269.43
23 21 16 00-0070 Cast Iron Body, Suction Diffusers (23 21 16)			
Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.			
23 21 16 00-0071	EA	2" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser.....	569.40
		<i>For Work In Restricted Working Space, Add</i>	25.03
23 21 16 00-0072	EA	2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser.....	598.09
		<i>For Work In Restricted Working Space, Add</i>	27.81
23 21 16 00-0073	EA	2-1/2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser.....	607.62
		<i>For Work In Restricted Working Space, Add</i>	29.21
23 21 16 00-0074	EA	2-1/2" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	1,149.54
		<i>For Work In Restricted Working Space, Add</i>	70.78
23 21 16 00-0075	EA	3" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser.....	628.19
		<i>For Work In Restricted Working Space, Add</i>	33.92
23 21 16 00-0076	EA	3" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser.....	710.81
		<i>For Work In Restricted Working Space, Add</i>	33.92
23 21 16 00-0077	EA	3" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	1,203.64
		<i>For Work In Restricted Working Space, Add</i>	76.80
23 21 16 00-0078	EA	3" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	1,228.58
		<i>For Work In Restricted Working Space, Add</i>	82.83
23 21 16 00-0079	EA	4" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	1,492.35
		<i>For Work In Restricted Working Space, Add</i>	110.93
23 21 16 00-0080	EA	4" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	1,756.11
		<i>For Work In Restricted Working Space, Add</i>	139.04
23 21 16 00-0081	EA	6" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	2,010.29
		<i>For Work In Restricted Working Space, Add</i>	139.48
23 21 16 00-0082	EA	6" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	2,429.06
		<i>For Work In Restricted Working Space, Add</i>	155.77
23 21 16 00-0083	EA	8" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	2,746.63
		<i>For Work In Restricted Working Space, Add</i>	197.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0084	EA		8" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	4,248.25	528.87
			<i>For Work In Restricted Working Space, Add</i>	197.09	
23 21 16 00-0085	EA		10" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	4,852.87	643.84
			<i>For Work In Restricted Working Space, Add</i>	241.44	
23 21 16 00-0086	EA		10" x 10" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser.....	5,674.15	643.84
			<i>For Work In Restricted Working Space, Add</i>	241.44	
23 21 16 00-0087			Duplex Strainers (23 21 16)		
23 21 16 00-0088			Iron Body, Duplex Strainers (23 21 16 00-0087)		
23 21 16 00-0089			Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0088)		
			Note: With brass or stainless steel basket.		
23 21 16 00-0090	EA		3/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	975.68	32.31
			<i>For Work In Restricted Working Space, Add</i>	19.40	
23 21 16 00-0091	EA		1" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	1,089.43	36.98
			<i>For Work In Restricted Working Space, Add</i>	22.21	
23 21 16 00-0092	EA		1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	1,477.15	43.47
			<i>For Work In Restricted Working Space, Add</i>	26.07	
23 21 16 00-0093	EA		1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	1,859.84	47.37
			<i>For Work In Restricted Working Space, Add</i>	28.42	
23 21 16 00-0094	EA		2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	2,493.06	57.74
			<i>For Work In Restricted Working Space, Add</i>	34.76	
23 21 16 00-0095	EA		2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	3,137.18	73.97
			<i>For Work In Restricted Working Space, Add</i>	44.37	
23 21 16 00-0096			Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0088)		
			Note: With brass or stainless steel basket.		
23 21 16 00-0097	EA		2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	3,395.37	172.98
			<i>For Work In Restricted Working Space, Add</i>	64.88	
23 21 16 00-0098	EA		2-1/2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	3,509.92	188.16
			<i>For Work In Restricted Working Space, Add</i>	70.78	
23 21 16 00-0099	EA		3" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	4,499.06	220.61
			<i>For Work In Restricted Working Space, Add</i>	82.83	
23 21 16 00-0100	EA		4" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	7,053.49	327.66
			<i>For Work In Restricted Working Space, Add</i>	123.18	
23 21 16 00-0101	EA		6" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	13,804.98	413.90
			<i>For Work In Restricted Working Space, Add</i>	155.77	
23 21 16 00-0102	EA		8" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	26,279.51	528.87
			<i>For Work In Restricted Working Space, Add</i>	197.09	
23 21 16 00-0103	EA		10" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	36,296.74	643.84
			<i>For Work In Restricted Working Space, Add</i>	241.44	
23 21 16 00-0104	EA		12" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	41,101.56	811.70
			<i>For Work In Restricted Working Space, Add</i>	487.17	
23 21 16 00-0105	EA		14" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	48,978.43	919.77
			<i>For Work In Restricted Working Space, Add</i>	344.91	
23 21 16 00-0106	EA		16" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer.....	61,240.37	1,011.74
			<i>For Work In Restricted Working Space, Add</i>	379.40	
23 21 16 00-0107			Bronze Body, Duplex Strainers (23 21 16 00-0087)		
23 21 16 00-0108			Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0107)		
			Note: With brass or stainless steel basket.		
23 21 16 00-0109	EA		3/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer.....	1,820.28	32.44
			<i>For Work In Restricted Working Space, Add</i>	19.40	
23 21 16 00-0110	EA		1" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer.....	2,019.43	36.98
			<i>For Work In Restricted Working Space, Add</i>	22.21	
23 21 16 00-0111	EA		1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer.....	2,957.56	43.47
			<i>For Work In Restricted Working Space, Add</i>	26.07	
23 21 16 00-0112	EA		1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer.....	3,890.66	47.37
			<i>For Work In Restricted Working Space, Add</i>	28.42	
23 21 16 00-0113	EA		2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer.....	5,026.84	57.74
			<i>For Work In Restricted Working Space, Add</i>	34.76	
23 21 16 00-0114	EA		2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer.....	6,173.93	73.97
			<i>For Work In Restricted Working Space, Add</i>	44.37	
23 21 16 00-0115			Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0107)		
			Note: With brass or stainless steel basket.		
23 21 16 00-0116	EA		2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer.....	7,048.95	172.98
			<i>For Work In Restricted Working Space, Add</i>	64.88	
23 21 16 00-0117	EA		2-1/2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer.....	7,258.40	188.16
			<i>For Work In Restricted Working Space, Add</i>	70.78	
23 21 16 00-0118	EA		3" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer.....	9,955.71	220.61
			<i>For Work In Restricted Working Space, Add</i>	82.83	
23 21 16 00-0119	EA		4" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer.....	15,689.23	327.66
			<i>For Work In Restricted Working Space, Add</i>	123.18	
23 21 16 00-0120	EA		6" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer.....	34,113.20	413.90
			<i>For Work In Restricted Working Space, Add</i>	155.77	
23 21 16 00-0121			Cast Steel Body, Duplex Strainers (23 21 16 00-0087)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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23 21 16 00-0122	Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0121)			
	Note: With brass or stainless steel basket.			
23 21 16 00-0123	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	2,837.24	36.98
		For Work In Restricted Working Space, Add	22.21	
23 21 16 00-0124	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	3,494.84	43.47
		For Work In Restricted Working Space, Add	26.06	
23 21 16 00-0125	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	4,147.45	47.37
		For Work In Restricted Working Space, Add	28.42	
23 21 16 00-0126	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,023.89	57.74
		For Work In Restricted Working Space, Add	34.76	
23 21 16 00-0127	Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0121)			
	Note: With brass or stainless steel basket.			
23 21 16 00-0128	EA	2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,170.37	172.98
		For Work In Restricted Working Space, Add	64.88	
23 21 16 00-0129	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,880.82	188.16
		For Work In Restricted Working Space, Add	70.78	
23 21 16 00-0130	EA	3" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	10,361.82	220.61
		For Work In Restricted Working Space, Add	82.83	
23 21 16 00-0131	EA	4" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	15,193.80	327.66
		For Work In Restricted Working Space, Add	123.18	
23 21 16 00-0132	EA	6" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	25,940.79	413.90
		For Work In Restricted Working Space, Add	155.77	
23 21 16 00-0133	EA	8" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	50,579.04	528.87
		For Work In Restricted Working Space, Add	197.09	
23 21 16 00-0134	Stainless Steel Body, Duplex Strainers (23 21 16 00-0087)			
23 21 16 00-0135	Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0134)			
	Note: With stainless steel basket.			
23 21 16 00-0136	EA	1" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,497.92	36.98
		For Work In Restricted Working Space, Add	22.21	
23 21 16 00-0137	EA	1-1/4" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	8,211.91	43.47
		For Work In Restricted Working Space, Add	26.06	
23 21 16 00-0138	EA	1-1/2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	9,909.01	47.37
		For Work In Restricted Working Space, Add	28.42	
23 21 16 00-0139	EA	2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	15,878.18	57.74
		For Work In Restricted Working Space, Add	34.76	
23 21 16 00-0140	Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers (23 21 16 00-0134)			
	Note: With stainless steel basket.			
23 21 16 00-0141	EA	2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	16,632.88	172.98
		For Work In Restricted Working Space, Add	64.88	
23 21 16 00-0142	EA	2-1/2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	17,485.26	188.16
		For Work In Restricted Working Space, Add	70.78	
23 21 16 00-0143	EA	3" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	27,399.17	220.61
		For Work In Restricted Working Space, Add	82.83	
23 21 16 00-0144	EA	4" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	33,481.73	327.66
		For Work In Restricted Working Space, Add	123.18	
23 21 16 00-0145	EA	6" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	58,810.05	413.90
		For Work In Restricted Working Space, Add	155.77	
23 21 16 00-0146	EA	8" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	108,673.45	528.87
		For Work In Restricted Working Space, Add	197.09	
23 21 16 00-0147	Horizontal Steel Expansion Tanks (23 21 16)			
	Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.			
23 21 16 00-0148	EA	10 Gallon Horizontal Steel Expansion Tank	783.91	129.77
23 21 16 00-0149	EA	15 Gallon Horizontal Steel Expansion Tank	1,110.99	162.21
23 21 16 00-0150	EA	30 Gallon Horizontal Steel Expansion Tank	1,457.76	194.65
23 21 16 00-0151	EA	40 Gallon Horizontal Steel Expansion Tank	1,677.73	227.09
23 21 16 00-0152	EA	60 Gallon Horizontal Steel Expansion Tank	1,933.04	229.94
23 21 16 00-0153	Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks (23 21 16)			
	Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.			
23 21 16 00-0154	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,611.23	97.32
23 21 16 00-0155	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,684.83	113.54
23 21 16 00-0156	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,504.26	129.77
23 21 16 00-0157	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,609.35	145.98
23 21 16 00-0158	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,530.49	162.21
23 21 16 00-0159	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,725.17	178.42
23 21 16 00-0160	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,425.94	194.65
23 21 16 00-0161	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,736.85	210.87
23 21 16 00-0162	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,219.69	227.09
23 21 16 00-0163	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,371.75	259.53
23 21 16 00-0164	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,732.13	291.97
23 21 16 00-0165	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,717.18	324.42
23 21 16 00-0166	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	8,960.84	389.30

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0167 Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)				
<i>(23 21 16)</i>				
Note: ASME. Precharged with working pressure 125 psi				
23 21 16 00-0168	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,834.01	97.32
23 21 16 00-0169	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,895.50	113.54
23 21 16 00-0170	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,707.67	129.77
23 21 16 00-0171	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,892.66	145.98
23 21 16 00-0172	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,673.35	162.21
23 21 16 00-0173	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,865.61	178.42
23 21 16 00-0174	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,709.26	194.65
23 21 16 00-0175	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,090.39	210.87
23 21 16 00-0176	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,628.93	227.09
23 21 16 00-0177	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,773.72	259.53
23 21 16 00-0178	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,097.78	291.97
23 21 16 00-0179	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,232.96	324.42
23 21 16 00-0180	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	9,486.30	389.30
23 21 16 00-0181 Diaphragm Type (Residential Style) Steel Expansion Tanks <i>(23 21 16)</i>				
23 21 16 00-0182	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	108.50	11.95
23 21 16 00-0183	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	155.14	11.95
23 21 16 00-0184 Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks <i>(23 21 16)</i>				
23 21 16 00-0185	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,323.72	389.43
23 21 16 00-0186	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,379.15	389.43
23 21 16 00-0187	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,434.57	389.43
23 21 16 00-0188	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,578.66	389.43
23 21 16 00-0189	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,887.60	518.93
23 21 16 00-0190	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,219.41	519.19
23 21 16 00-0191	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,285.24	519.19
23 21 16 00-0192	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,351.08	519.19
23 21 16 00-0193	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	2,991.29	648.82
23 21 16 00-0194	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	8,572.94	648.82
23 21 16 00-0195	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	10,902.67	778.33
23 21 16 00-0196 Vent Valves <i>(23 21 16)</i>				
23 21 16 00-0197	EA	1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A).....	87.18	19.47
23 21 16 00-0198	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74).....	208.60	20.94
23 21 16 00-0199	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75).....	198.93	20.94
23 21 16 00-0200	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H).....	205.70	20.94
23 21 16 00-0201	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	264.95	20.94
23 21 16 00-0202	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	196.27	20.94
23 21 16 00-0203 Threaded Inlet, Drip-Pan Elbow <i>(23 21 16)</i>				
23 21 16 00-0204 Cast Iron, Threaded Inlet, Drip-Pan Elbow <i>(23 21 16 00-0203)</i>				
23 21 16 00-0205	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	269.63	32.68
		<i>For Flanged Inlet, Add</i>	95.32	
23 21 16 00-0206	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	306.67	38.73
		<i>For Flanged Inlet, Add</i>	102.33	
23 21 16 00-0207	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	383.68	44.78
		<i>For Flanged Inlet, Add</i>	138.05	
23 21 16 00-0208	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	562.34	50.84
		<i>For Flanged Inlet, Add</i>	242.88	
23 21 16 00-0209	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	636.93	60.52
		<i>For Flanged Inlet, Add</i>	268.49	
23 21 16 00-0210	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	879.62	76.26
		<i>For Flanged Inlet, Add</i>	392.37	
23 21 16 00-0211	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,938.90	100.47
		<i>For Flanged Inlet, Add</i>	1,044.09	
23 21 16 00-0212 Cast Steel, Threaded Inlet, Drip-Pan Elbow <i>(23 21 16 00-0203)</i>				
23 21 16 00-0213	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	804.99	32.68
		<i>For Flanged Inlet, Add</i>	459.36	
23 21 16 00-0214	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	974.75	38.73
		<i>For Flanged Inlet, Add</i>	556.62	
23 21 16 00-0215	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,400.59	44.78
		<i>For Flanged Inlet, Add</i>	829.55	
23 21 16 00-0216	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,425.08	50.84
		<i>For Flanged Inlet, Add</i>	829.55	
23 21 16 00-0217	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,062.23	60.52
		<i>For Flanged Inlet, Add</i>	1,237.70	
23 21 16 00-0218	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,122.75	76.26
		<i>For Flanged Inlet, Add</i>	1,237.70	
23 21 16 00-0219	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,529.11	100.47
		<i>For Flanged Inlet, Add</i>	2,125.43	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 16 00-0220	Pressure Regulating Valve (23 21 16)		
23 21 16 00-0221	Screwed Ends, Iron Body, Water Pressure Reducing Valves (23 21 16 00-0220)		
	Note: For building services, 25 - 75 PSI, up to 300 Lb rating		
23 21 16 00-0222	EA 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	242.87	16.22
	For Work In Restricted Working Space, Add	19.46	
23 21 16 00-0223	EA 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	298.95	18.16
	For Work In Restricted Working Space, Add	21.62	
23 21 16 00-0224	EA 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	392.63	19.46
	For Work In Restricted Working Space, Add	22.89	
23 21 16 00-0225	EA 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	671.18	21.79
	For Work In Restricted Working Space, Add	25.94	
23 21 16 00-0226	EA 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	910.35	25.95
	For Work In Restricted Working Space, Add	31.13	
23 21 16 00-0227	EA 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,305.03	39.77
	For Work In Restricted Working Space, Add	47.78	
23 21 16 00-0228	EA 2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,419.91	44.79
	For Work In Restricted Working Space, Add	53.75	
23 21 16 00-0229	EA 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,560.29	129.60
	For Work In Restricted Working Space, Add	59.72	
23 21 16 00-0230	Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0220)		
	Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0231	Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0230)		
23 21 16 00-0232	EA 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	407.68	21.80
	For Work In Restricted Working Space, Add	26.13	
23 21 16 00-0233	EA 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	511.42	30.88
	For Work In Restricted Working Space, Add	37.08	
23 21 16 00-0234	EA 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	656.87	37.63
	For Work In Restricted Working Space, Add	45.27	
23 21 16 00-0235	EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	877.26	45.68
	For Work In Restricted Working Space, Add	52.61	
23 21 16 00-0236	EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,175.43	51.91
	For Work In Restricted Working Space, Add	59.89	
23 21 16 00-0237	EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,375.13	72.63
	For Work In Restricted Working Space, Add	72.63	
23 21 16 00-0238	Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer (23 21 16 00-0230)		
	Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0239	EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,148.98	175.52
	For Work In Restricted Working Space, Add	66.03	
23 21 16 00-0240	EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,914.53	205.77
	For Work In Restricted Working Space, Add	77.26	
23 21 16 00-0241	EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	5,041.43	344.98
	For Work In Restricted Working Space, Add	129.69	
23 21 16 00-0242	EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	12,509.13	402.55
	For Work In Restricted Working Space, Add	151.50	
23 21 16 00-0243	Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0220)		
23 21 16 00-0244	Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0243)		
23 21 16 00-0245	EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,277.06	15.83
	For Work In Restricted Working Space, Add	23.75	
23 21 16 00-0246	EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,324.73	15.83
	For Work In Restricted Working Space, Add	23.75	
23 21 16 00-0247	EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,477.90	19.98
	For Work In Restricted Working Space, Add	29.98	
23 21 16 00-0248	EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,912.96	25.43
	For Work In Restricted Working Space, Add	38.15	
23 21 16 00-0249	EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,334.94	29.33
	For Work In Restricted Working Space, Add	43.99	
23 21 16 00-0250	EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,134.14	34.51
	For Work In Restricted Working Space, Add	51.78	
23 21 16 00-0251	Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves (23 21 16 00-0243)		
23 21 16 00-0252	EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,108.46	175.52
	For Work In Restricted Working Space, Add	66.03	
23 21 16 00-0253	EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	6,300.48	205.77
	For Work In Restricted Working Space, Add	77.26	
23 21 16 00-0254	EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	9,547.03	344.98
	For Work In Restricted Working Space, Add	129.69	
23 21 16 00-0255	EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	20,953.53	402.55
	For Work In Restricted Working Space, Add	151.50	
23 21 16 00-0256	Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves (23 21 16 00-0220)		
23 21 16 00-0257	EA 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	272.14	16.86
23 21 16 00-0258	EA 3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	336.26	18.68

			TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST
MINOR	CSI	UOM DESCRIPTION		
23 21 16 00-0259	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	444.64	19.85
23 21 16 00-0260	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	767.32	22.57
23 21 16 00-0261	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,042.94	26.98
23 21 16 00-0262	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,493.43	41.33
23 21 16 00-0263	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,617.94	45.03
23 21 16 00-0264	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,784.11	51.84
23 21 16 00-0265		Screwed Ends, Bronze Body, Water Pressure Reducing Valves (23 21 16 00-0220)		
		Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0266	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	222.95	16.22
23 21 16 00-0267	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	244.99	18.16
23 21 16 00-0268	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	304.87	20.10
23 21 16 00-0269	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	725.71	21.79
23 21 16 00-0270	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	786.23	25.95
23 21 16 00-0271	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,235.60	39.77
23 21 16 00-0272		Plastic Pressure Regulator (23 21 16 00-0220)		
23 21 16 00-0273		Polyvinyl Chloride (PVC) Pressure Regulator Valves (23 21 16 00-0272)		
23 21 16 00-0274	EA	1/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve	276.64	19.46
23 21 16 00-0275	EA	1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	307.85	26.98
23 21 16 00-0276	EA	3/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve	542.59	32.43
23 21 16 00-0277	EA	1" Polyvinyl Chloride (PVC) Pressure Regulator Valve	613.98	43.32
23 21 16 00-0278	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	725.79	51.89
23 21 16 00-0279	EA	2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	893.68	81.08
23 21 16 00-0280		Polypropylene Pressure Regulator Valves (23 21 16 00-0272)		
23 21 16 00-0281	EA	1/4" Polypropylene Pressure Regulator Valve	351.28	19.46
23 21 16 00-0282	EA	1/2" Polypropylene Pressure Regulator Valve	432.26	27.24
23 21 16 00-0283	EA	3/4" Polypropylene Pressure Regulator Valve	661.03	32.43
23 21 16 00-0284	EA	1" Polypropylene Pressure Regulator Valve	783.18	43.32
23 21 16 00-0285	EA	1-1/2" Polypropylene Pressure Regulator Valve	914.89	51.89
23 21 16 00-0286	EA	2" Polypropylene Pressure Regulator Valve	1,136.53	81.08
23 21 16 00-0287		Teflon (PTFE) Pressure Regulator Valves (23 21 16 00-0272)		
23 21 16 00-0288	EA	1/4" Teflon (PTFE) Pressure Regulator Valve	744.42	19.46
23 21 16 00-0289	EA	1/2" Teflon (PTFE) Pressure Regulator Valve	855.25	26.98
23 21 16 00-0290	EA	3/4" Teflon Pressure Regulator Valve	1,438.35	32.43
23 21 16 00-0291	EA	1" Teflon (PTFE) Pressure Regulator Valve	1,987.46	43.32
23 21 16 00-0292	EA	1-1/2" Teflon (PTFE) Pressure Regulator Valve	2,397.86	51.89
23 21 16 00-0293	EA	2" Teflon (PTFE) Pressure Regulator Valve	3,357.00	81.08
23 21 16 00-0294		Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valves (23 21 16 00-0272)		
23 21 16 00-0295	EA	1/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	247.38	19.46
23 21 16 00-0296	EA	1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	285.10	26.98
23 21 16 00-0297	EA	3/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	455.79	32.43
23 21 16 00-0298	EA	1" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	542.72	43.19
23 21 16 00-0299	EA	1-1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	632.12	51.89
23 21 16 00-0300		Dual Unit Reducing And Relief Valve (23 21 16)		
23 21 16 00-0301	EA	1/2" Dual Unit Reducing And Relief Valve	251.49	39.58
23 21 16 00-0302		Safety Relief Valve (23 21 16)		
		Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0303		Threaded Inlet, Bronze Body Safety Valves (23 21 16 00-0302)		
		Note: Variable set points to 150 PSIG pressure, 210 Degree F temperature range.		
23 21 16 00-0304	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	92.22	16.22
23 21 16 00-0305	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	128.97	17.84
23 21 16 00-0306	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	187.33	21.73
23 21 16 00-0307	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	243.55	23.02
23 21 16 00-0308	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	335.59	30.81
23 21 16 00-0309	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	451.49	36.32
23 21 16 00-0310	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	510.86	45.40
23 21 16 00-0311		Plastic Pressure Relief Valves (23 21 16 00-0302)		
23 21 16 00-0312		Polyvinyl Chloride (PVC) Pressure Relief Valves (23 21 16 00-0311)		
23 21 16 00-0313	EA	1/4" Polyvinyl Chloride (PVC) Pressure Relief Valve	228.53	19.46
23 21 16 00-0314	EA	1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve	253.11	27.24
23 21 16 00-0315	EA	3/4" Polyvinyl Chloride (PVC) Pressure Relief Valve	471.27	32.43
23 21 16 00-0316	EA	1" Polyvinyl Chloride (PVC) Pressure Relief Valve	559.24	43.46
23 21 16 00-0317	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve	725.79	51.89
23 21 16 00-0318	EA	2" Polyvinyl Chloride (PVC) Pressure Relief Valve	908.61	81.08

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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23 21 16 00-0319 Polypropylene Pressure Relief Valves (23 21 16 00-0311)			
23 21 16 00-0320	EA	1/4" Polypropylene Pressure Relief Valve	261.71
23 21 16 00-0321	EA	1/2" Polypropylene Pressure Relief Valve	302.87
23 21 16 00-0322	EA	3/4" Polypropylene Pressure Relief Valve	587.38
23 21 16 00-0323	EA	1" Polypropylene Pressure Relief Valve	683.65
23 21 16 00-0324	EA	1-1/2" Polypropylene Pressure Relief Valve	1,198.55
23 21 16 00-0325	EA	2" Polypropylene Pressure Relief Valve	1,472.60
23 21 16 00-0326 Teflon (PTFE) Pressure Relief Valves (23 21 16 00-0311)			
23 21 16 00-0327	EA	1/4" Teflon (PTFE) Pressure Relief Valve	460.76
23 21 16 00-0328	EA	1/2" Teflon (PTFE) Pressure Relief Valve	510.22
23 21 16 00-0329	EA	3/4" Teflon (PTFE) Pressure Relief Valve	960.61
23 21 16 00-0330	EA	1" Teflon (PTFE) Pressure Relief Valve	1,131.52
23 21 16 00-0331	EA	1-1/2" Teflon (PTFE) Pressure Relief Valve	1,845.48
23 21 16 00-0332	EA	2" Teflon (PTFE) Pressure Relief Valve	2,384.94
23 21 16 00-0333 Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valves (23 21 16 00-0311)			
23 21 16 00-0334	EA	1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	239.27
23 21 16 00-0335	EA	3/4" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	273.49
23 21 16 00-0336	EA	1" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	334.11
23 21 16 00-0337	EA	1-1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	427.41
23 21 16 00-0338	EA	2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	545.28
23 21 16 00-0339 Threaded, Bronze Body, Temperature And Pressure Relief Valves (23 21 16)			
23 21 16 00-0340	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	104.70
		<i>For Cast Iron Body, Add</i>	63.31
23 21 16 00-0341	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	135.42
		<i>For Cast Iron Body, Add</i>	88.20
23 21 16 00-0342	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	198.86
		<i>For Cast Iron Body, Add</i>	140.48
23 21 16 00-0343	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	331.49
		<i>For Cast Iron Body, Add</i>	298.54
23 21 16 00-0344	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	560.61
		<i>For Cast Iron Body, Add</i>	571.09
23 21 16 00-0345	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	646.81
		<i>For Cast Iron Body, Add</i>	621.88
23 21 16 00-0346 Thermostatic Radiator Valves (23 21 16)			
Note: For hot water or two pipe low pressure steam.			
23 21 16 00-0347	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	101.00
23 21 16 00-0348	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	122.80
23 21 16 00-0349	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	163.64
23 21 16 00-0350	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	254.28
23 21 16 00-0351	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	101.00
23 21 16 00-0352	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	122.80
23 21 16 00-0353	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	163.64
23 21 16 00-0354	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	254.28
23 21 16 00-0355	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	103.41
23 21 16 00-0356	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	174.15
23 21 16 00-0357 ASME Construction Compression Tanks (23 21 16)			
Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height. See CSI section 22 12 00 00-0000 for other tanks.			
23 21 16 00-0358	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	1,564.11
		<i>For Galvanized Steel Tanks, Add</i>	609.04
23 21 16 00-0359	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	1,592.87
		<i>For Galvanized Steel Tanks, Add</i>	618.01
23 21 16 00-0360	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	1,747.84
		<i>For Galvanized Steel Tanks, Add</i>	689.66
23 21 16 00-0361	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	1,923.30
		<i>For Galvanized Steel Tanks, Add</i>	770.25
23 21 16 00-0362	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	2,265.20
		<i>For Galvanized Steel Tanks, Add</i>	931.47
23 21 16 00-0363	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	2,353.18
		<i>For Galvanized Steel Tanks, Add</i>	967.29
23 21 16 00-0364	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	2,945.21
		<i>For Galvanized Steel Tanks, Add</i>	1,244.95
23 21 16 00-0365	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	3,212.41
		<i>For Galvanized Steel Tanks, Add</i>	1,361.36
23 21 16 00-0366	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	4,025.70
		<i>For Galvanized Steel Tanks, Add</i>	1,736.76
23 21 16 00-0367	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	5,147.02
		<i>For Galvanized Steel Tanks, Add</i>	2,257.01
23 21 16 00-0368	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	6,193.93
		<i>For Galvanized Steel Tanks, Add</i>	2,746.25
23 21 16 00-0369	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	6,775.30
		<i>For Galvanized Steel Tanks, Add</i>	3,005.99
23 21 16 00-0370	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	8,622.51
		<i>For Galvanized Steel Tanks, Add</i>	3,892.66
23 21 16 00-0371	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	8,880.45
		<i>For Galvanized Steel Tanks, Add</i>	3,992.76

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0372	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	11,539.76 5,289.27	634.55
23 21 16 00-0373	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	19,456.30 9,163.96	744.85
23 21 16 00-0374 Compression Tank Air Fittings (23 21 16)				
23 21 16 00-0375	EA	9" To 24" Diameter Compression Tank Air Fittings.....	281.96	36.33
23 21 16 00-0376	EA	>100 Gallon Compression Tank Air Fittings	927.18	42.83
23 21 16 00-0377 Vortex Air Separators With Strainer (23 21 16)				
Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.				
23 21 16 00-0378	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	2,054.83	276.40
		<i>For 300 PSIG, Add</i>	245.43	
23 21 16 00-0379	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N).....	2,552.53	316.63
		<i>For 300 PSIG, Add</i>	310.79	
23 21 16 00-0380	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	3,972.21	372.43
		<i>For 300 PSIG, Add</i>	511.20	
23 21 16 00-0381	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	4,247.54	394.35
		<i>For 300 PSIG, Add</i>	547.51	
23 21 16 00-0382	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	5,472.99	525.80
		<i>For 300 PSIG, Add</i>	701.45	
23 21 16 00-0383	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	6,920.52	625.45
		<i>For 300 PSIG, Add</i>	896.06	
23 21 16 00-0384	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	8,227.94	708.22
		<i>For 300 PSIG, Add</i>	1,073.23	
23 21 16 00-0385	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	11,918.34	849.64
		<i>For 300 PSIG, Add</i>	1,594.60	
23 21 16 00-0386	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	18,522.67	965.76
		<i>For 300 PSIG, Add</i>	2,558.91	
23 21 16 00-0387	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	25,012.68	1,249.74
		<i>For 300 PSIG, Add</i>	3,467.85	
23 21 16 00-0388	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	52,668.87	1,517.62
		<i>For 300 PSIG, Add</i>	7,555.42	
23 21 16 00-0389	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	65,048.83	1,821.14
		<i>For 300 PSIG, Add</i>	9,343.43	
23 21 16 00-0390	EA	18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-18F)	85,002.35	2,124.67
		<i>For 300 PSIG, Add</i>	12,267.47	
23 21 16 00-0391	EA	20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	99,485.83	2,428.19
		<i>For 300 PSIG, Add</i>	14,371.01	
23 21 16 00-0392 Vortex Air Separators (23 21 16)				
Note: Without system strainer.				
23 21 16 00-0393	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,735.33	276.40
		<i>For 300 PSIG, Add</i>	197.51	
23 21 16 00-0394	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N).....	2,203.99	316.63
		<i>For 300 PSIG, Add</i>	258.51	
23 21 16 00-0395	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	3,885.07	372.43
		<i>For 300 PSIG, Add</i>	498.13	
23 21 16 00-0396	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	3,482.68	394.35
		<i>For 300 PSIG, Add</i>	432.78	
23 21 16 00-0397	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	4,669.40	525.80
		<i>For 300 PSIG, Add</i>	580.91	
23 21 16 00-0398	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	6,078.20	625.45
		<i>For 300 PSIG, Add</i>	769.71	
23 21 16 00-0399	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	7,085.48	708.22
		<i>For 300 PSIG, Add</i>	901.86	
23 21 16 00-0400	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	9,478.52	849.64
		<i>For 300 PSIG, Add</i>	1,228.63	
23 21 16 00-0401	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	13,304.16	965.76
		<i>For 300 PSIG, Add</i>	1,776.13	
23 21 16 00-0402	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	20,628.01	1,249.74
		<i>For 300 PSIG, Add</i>	2,810.15	
23 21 16 00-0403	EA	14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F)	35,438.15	1,517.62
		<i>For 300 PSIG, Add</i>	4,970.81	
23 21 16 00-0404	EA	16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F)	44,949.65	1,821.14
		<i>For 300 PSIG, Add</i>	6,328.55	
23 21 16 00-0405	EA	18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-18F)	60,261.83	2,124.67
		<i>For 300 PSIG, Add</i>	8,556.39	
23 21 16 00-0406	EA	20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F)	82,661.48	2,428.19
		<i>For 300 PSIG, Add</i>	11,847.36	
23 21 16 00-0407	EA	22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F)	101,354.05	2,731.72
		<i>For 300 PSIG, Add</i>	14,582.26	
23 21 16 00-0408	EA	24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F)	120,046.62	3,035.23
		<i>For 300 PSIG, Add</i>	17,317.17	
23 21 16 00-0409 Grooved, With Strainer, Vortex Air Separators (23 21 16)				
23 21 16 00-0410	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	3,740.78	315.47
23 21 16 00-0411	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	5,313.26	420.37
23 21 16 00-0412	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	6,731.13	499.89
23 21 16 00-0413	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	8,013.25	566.58
23 21 16 00-0414	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	11,641.44	679.90
23 21 16 00-0415	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	18,985.18	772.61
23 21 16 00-0416	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	28,996.45	999.90

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
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23 21 16 00-0417		Grooved Vortex Air Separators (23 21 16)	
		Note: Without system strainer.	
23 21 16 00-0418	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	2,946.87
23 21 16 00-0419	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	4,509.67
23 21 16 00-0420	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	5,888.81
23 21 16 00-0421	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	6,870.79
23 21 16 00-0422	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	9,220.98
23 21 16 00-0423	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	13,689.21
23 21 16 00-0424	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	22,889.00
23 21 16 00-0425		Removable Head, Air Eliminator And Dirt Separator (23 21 16)	
		Note: Spirovent VDN.	
23 21 16 00-0426	EA	2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,665.59
23 21 16 00-0427	EA	2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,973.87
23 21 16 00-0428	EA	3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	5,292.66
23 21 16 00-0429	EA	4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	6,087.38
23 21 16 00-0430	EA	5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	8,859.09
23 21 16 00-0431	EA	6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	11,372.96
23 21 16 00-0432	EA	8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	17,684.41
23 21 16 00-0433	EA	10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	26,026.13
23 21 16 00-0434	EA	12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	33,639.08
23 21 16 00-0435		Air Eliminator And Dirt Separator (23 21 16)	
		Note: Spirovent VDT.	
23 21 16 00-0436	EA	2", 45 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	3,604.12
23 21 16 00-0437	EA	2-1/2", 70 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	3,984.52
23 21 16 00-0438	EA	3", 95 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	4,373.88
23 21 16 00-0439	EA	4", 170 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	4,966.45
23 21 16 00-0440	EA	5", 260 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	5,742.04
23 21 16 00-0441	EA	6", 375 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	6,227.90
23 21 16 00-0442		High Velocity, Air Eliminator And Dirt Separator (Spirotherm) (23 21 16)	
23 21 16 00-0443	EA	2", 105 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	3,922.50
23 21 16 00-0444	EA	2-1/2", 155 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	7,134.02
23 21 16 00-0445	EA	3", 225 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	7,397.68
23 21 16 00-0446	EA	4", 405 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	8,362.59
23 21 16 00-0447	EA	5", 630 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	9,731.04
23 21 16 00-0448	EA	6", 910 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	10,520.97
23 21 16 00-0449	EA	8", 1550 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT800FA)	26,843.05
23 21 16 00-0450	EA	10", 2450 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1000FA)	37,005.95
23 21 16 00-0451	EA	12", 3500 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1200FA)	45,883.55
23 21 16 00-0452	EA	14", 4300 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1400FA)	51,709.76
23 21 16 00-0453	EA	14", 4800 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1600FA)	61,552.00
		Note: Custom	
23 21 16 00-0454	EA	16", 5500 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1600FA)	63,433.26
23 21 16 00-0455		Swivel Joints (23 21 16)	
23 21 16 00-0456		Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) (23 21 16 00-0455)	
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.	
23 21 16 00-0457	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	366.80
23 21 16 00-0458	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	527.21
23 21 16 00-0459	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	737.01
23 21 16 00-0460	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,101.57
23 21 16 00-0461	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,394.12
		For Stainless Steel, Add	
		1,750.55	
23 21 16 00-0462	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,031.89
		For Stainless Steel, Add	
		1,223.42	
23 21 16 00-0463	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,392.87
23 21 16 00-0464	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,784.27
23 21 16 00-0465	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	3,285.06
23 21 16 00-0466		Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) (23 21 16 00-0455)	
		Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.	
23 21 16 00-0467	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	464.98
		For Stainless Steel, Add	
		595.02	
23 21 16 00-0468	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	573.58
		For Stainless Steel, Add	
		710.64	
23 21 16 00-0469	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	771.41
		For Stainless Steel, Add	
		980.16	
23 21 16 00-0470	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,240.69
		For Stainless Steel, Add	
		1,561.58	
23 21 16 00-0471	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,621.34
		For Stainless Steel, Add	
		2,091.38	
23 21 16 00-0472	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,063.33
		For Stainless Steel, Add	
		1,270.58	
23 21 16 00-0473	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,572.96
		For Stainless Steel, Add	
		1,945.31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0474	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <i>For Stainless Steel, Add</i>	1,992.17 2,293.08	369.83
23 21 16 00-0475	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) <i>For Stainless Steel, Add</i>	3,428.63 4,263.89	467.16
23 21 16 00-0476 Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) (23 21 16 00-0455)				
Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.				
23 21 16 00-0477	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)..... <i>For Stainless Steel, Add</i>	546.00 716.55	34.13
23 21 16 00-0478	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)..... <i>For Stainless Steel, Add</i>	635.41 803.39	49.96
23 21 16 00-0479	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)..... <i>For Stainless Steel, Add</i>	926.82 1,213.28	58.40
23 21 16 00-0480	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)..... <i>For Stainless Steel, Add</i>	1,427.72 1,842.12	99.92
23 21 16 00-0481	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)..... <i>For Stainless Steel, Add</i>	1,683.17 2,184.12	113.54
23 21 16 00-0482	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	1,217.91 1,502.45	172.98
23 21 16 00-0483	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	1,764.62 2,232.80	138.00
23 21 16 00-0484	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	2,190.02 2,589.86	369.83
23 21 16 00-0485	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) <i>For Stainless Steel, Add</i>	3,853.70 4,901.49	467.16
23 21 16 00-0486 Basket Strainers (23 21 16)				
23 21 16 00-0487 Bronze Body Basket Strainers (23 21 16 00-0486)				
23 21 16 00-0488 Screwed Ends, Bronze Body Basket Strainers (23 21 16 00-0487)				
23 21 16 00-0489	EA	1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	341.88 15.45	25.96
23 21 16 00-0490	EA	3/4" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	404.03 18.15	30.50
23 21 16 00-0491	EA	1" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	468.77 21.63	36.33
23 21 16 00-0492	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	583.34 24.11	40.23
23 21 16 00-0493	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	688.61 27.23	45.41
23 21 16 00-0494	EA	2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,024.43 31.18	51.91
23 21 16 00-0495	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,448.80 41.76	69.43
23 21 16 00-0496	EA	3" Screwed Ends, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,036.11 44.29	73.97
23 21 16 00-0497 Flanged, Bronze Body Basket Strainers (23 21 16 00-0487)				
23 21 16 00-0498	EA	2" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,611.28 64.88	172.98
23 21 16 00-0499	EA	2-1/2" Flanged, Bronze Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	2,418.59 70.78	188.16
23 21 16 00-0500	EA	3" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,743.44 82.83	220.61
23 21 16 00-0501	EA	4" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,638.97 139.04	369.83
23 21 16 00-0502	EA	6" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	8,775.37 155.77	413.90
23 21 16 00-0503	EA	8" Flanged, Bronze Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	15,983.05 197.09	528.87
23 21 16 00-0504 Iron Body Basket Strainers (23 21 16 00-0486)				
23 21 16 00-0505 Screwed Ends, Iron Body Basket Strainers (23 21 16 00-0504)				
23 21 16 00-0506	EA	1/2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	392.25 15.45	25.96
23 21 16 00-0507	EA	3/4" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	441.90 18.15	30.50
23 21 16 00-0508	EA	1" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	522.28 21.63	36.33
23 21 16 00-0509	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	683.74 24.11	40.23
23 21 16 00-0510	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	750.38 27.23	45.41
23 21 16 00-0511	EA	2" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	891.73 31.18	51.91
23 21 16 00-0512	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer <i>For Work In Restricted Working Space, Add</i>	1,264.64 41.76	69.43
23 21 16 00-0513	EA	3" Screwed Ends, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,429.38 44.29	73.97

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 16 00-0514 Flanged, Iron Body Basket Strainers (23 21 16 00-0504)					
23 21 16 00-0515	EA	2" Flanged, Iron Body Basket Strainer.....	1,716.08	172.98	
		<i>For Work In Restricted Working Space, Add</i>	64.88		
23 21 16 00-0516	EA	2-1/2" Flanged, Iron Body Basket Strainer.....	2,257.40	188.16	
		<i>For Work In Restricted Working Space, Add</i>	70.78		
23 21 16 00-0517	EA	3" Flanged, Iron Body Basket Strainer.....	2,427.97	220.61	
		<i>For Work In Restricted Working Space, Add</i>	82.83		
23 21 16 00-0518	EA	4" Flanged, Iron Body Basket Strainer.....	3,702.14	369.83	
		<i>For Work In Restricted Working Space, Add</i>	139.04		
23 21 16 00-0519	EA	6" Flanged, Iron Body Basket Strainer.....	6,822.72	413.90	
		<i>For Work In Restricted Working Space, Add</i>	155.77		
23 21 16 00-0520	EA	8" Flanged, Iron Body Basket Strainer.....	12,285.85	528.87	
		<i>For Work In Restricted Working Space, Add</i>	197.09		
23 21 16 00-0521	EA	10" Flanged, Iron Body Basket Strainer.....	18,302.43	643.84	
		<i>For Work In Restricted Working Space, Add</i>	241.44		
23 21 16 00-0522	EA	12" Flanged, Iron Body Basket Strainer.....	22,381.30	811.70	
		<i>For Work In Restricted Working Space, Add</i>	486.97		
23 21 16 00-0523	EA	14" Flanged, Iron Body Basket Strainer.....	27,341.83	919.77	
		<i>For Work In Restricted Working Space, Add</i>	344.91		
23 21 16 00-0524	EA	16" Flanged, Iron Body Basket Strainer.....	28,652.29	1,011.74	
		<i>For Work In Restricted Working Space, Add</i>	379.40		
23 21 16 00-0525 Cast Steel Body Basket Strainers (23 21 16 00-0486)					
23 21 16 00-0526 Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0525)					
23 21 16 00-0527	EA	1" Screwed Ends, Cast Steel Body Basket Strainer.....	1,126.65	36.33	
		<i>For Work In Restricted Working Space, Add</i>	21.63		
23 21 16 00-0528	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer.....	1,487.94	40.23	
		<i>For Work In Restricted Working Space, Add</i>	24.11		
23 21 16 00-0529	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer.....	1,677.02	45.41	
		<i>For Work In Restricted Working Space, Add</i>	27.22		
23 21 16 00-0530	EA	2" Screwed Ends, Cast Steel Body Basket Strainer.....	2,360.48	51.91	
		<i>For Work In Restricted Working Space, Add</i>	31.17		
23 21 16 00-0531	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer.....	3,311.77	69.43	
		<i>For Work In Restricted Working Space, Add</i>	41.75		
23 21 16 00-0532	EA	3" Screwed Ends, Cast Steel Body Basket Strainer.....	4,303.32	73.97	
		<i>For Work In Restricted Working Space, Add</i>	44.30		
23 21 16 00-0533 Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0525)					
23 21 16 00-0534	EA	2" Flanged, Cast Steel Body Basket Strainer.....	3,500.59	172.98	
		<i>For Work In Restricted Working Space, Add</i>	64.88		
23 21 16 00-0535	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer.....	5,039.51	188.16	
		<i>For Work In Restricted Working Space, Add</i>	70.78		
23 21 16 00-0536	EA	3" Flanged, Cast Steel Body Basket Strainer.....	5,526.52	220.61	
		<i>For Work In Restricted Working Space, Add</i>	82.83		
23 21 16 00-0537	EA	4" Flanged, Cast Steel Body Basket Strainer.....	7,836.39	369.83	
		<i>For Work In Restricted Working Space, Add</i>	139.04		
23 21 16 00-0538	EA	6" Flanged, Cast Steel Body Basket Strainer.....	13,812.86	413.90	
		<i>For Work In Restricted Working Space, Add</i>	155.77		
23 21 16 00-0539	EA	8" Flanged, Cast Steel Body Basket Strainer.....	22,440.67	528.87	
		<i>For Work In Restricted Working Space, Add</i>	197.09		
23 21 16 00-0540 Stainless Steel Body Basket Strainers (23 21 16 00-0486)					
23 21 16 00-0541 Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0540)					
23 21 16 00-0542	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer.....	589.90	36.33	
		<i>For Work In Restricted Working Space, Add</i>	21.63		
23 21 16 00-0543	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer.....	846.83	40.23	
		<i>For Work In Restricted Working Space, Add</i>	24.11		
23 21 16 00-0544	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer.....	875.11	45.41	
		<i>For Work In Restricted Working Space, Add</i>	27.22		
23 21 16 00-0545	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer.....	1,290.75	51.91	
		<i>For Work In Restricted Working Space, Add</i>	31.17		
23 21 16 00-0546	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer.....	1,823.30	69.43	
		<i>For Work In Restricted Working Space, Add</i>	41.75		
23 21 16 00-0547	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer.....	2,570.04	73.97	
		<i>For Work In Restricted Working Space, Add</i>	44.30		
23 21 16 00-0548 Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0540)					
23 21 16 00-0549	EA	2" Flanged, Stainless Steel Body Basket Strainer.....	1,982.44	172.98	
		<i>For Work In Restricted Working Space, Add</i>	64.88		
23 21 16 00-0550	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer.....	2,986.42	188.16	
		<i>For Work In Restricted Working Space, Add</i>	70.78		
23 21 16 00-0551	EA	3" Flanged, Stainless Steel Body Basket Strainer.....	3,382.89	220.61	
		<i>For Work In Restricted Working Space, Add</i>	82.83		
23 21 16 00-0552	EA	4" Flanged, Stainless Steel Body Basket Strainer.....	5,718.35	369.83	
		<i>For Work In Restricted Working Space, Add</i>	139.04		
23 21 16 00-0553	EA	6" Flanged, Stainless Steel Body Basket Strainer.....	8,721.99	413.90	
		<i>For Work In Restricted Working Space, Add</i>	155.77		
23 21 16 00-0554	EA	8" Flanged, Stainless Steel Body Basket Strainer.....	15,114.36	528.87	
		<i>For Work In Restricted Working Space, Add</i>	197.09		

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0555		Plastic Basket Strainers (23 21 16 00-0486)			
23 21 16 00-0556		Screwed Or Socket Ends, Simplex, Plastic Basket Strainers (23 21 16 00-0555)			
23 21 16 00-0557		Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainers (23 21 16 00-0556)			
23 21 16 00-0558	EA	1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	333.33	18.17	
		For Work In Restricted Working Space, Add	15.45		
23 21 16 00-0559	EA	3/4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	342.34	21.16	
		For Work In Restricted Working Space, Add	18.15		
23 21 16 00-0560	EA	1" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	353.94	25.17	
		For Work In Restricted Working Space, Add	21.63		
23 21 16 00-0561	EA	1-1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	575.18	31.80	
		For Work In Restricted Working Space, Add	27.22		
23 21 16 00-0562	EA	2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	597.51	36.33	
		For Work In Restricted Working Space, Add	31.17		
23 21 16 00-0563	EA	3" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,265.87	51.91	
		For Work In Restricted Working Space, Add	44.30		
23 21 16 00-0564	EA	4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,675.40	68.13	
		For Work In Restricted Working Space, Add	58.38		
23 21 16 00-0565		Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers (23 21 16 00-0556)			
23 21 16 00-0566	EA	1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	456.63	18.17	
		For Work In Restricted Working Space, Add	15.45		
23 21 16 00-0567	EA	3/4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	465.64	21.16	
		For Work In Restricted Working Space, Add	18.15		
23 21 16 00-0568	EA	1" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	477.24	25.17	
		For Work In Restricted Working Space, Add	21.63		
23 21 16 00-0569	EA	1-1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	812.07	31.80	
		For Work In Restricted Working Space, Add	27.22		
23 21 16 00-0570	EA	2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	839.38	36.33	
		For Work In Restricted Working Space, Add	31.17		
23 21 16 00-0571	EA	3" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	408.82	51.91	
		For Work In Restricted Working Space, Add	44.30		
23 21 16 00-0572	EA	4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,230.21	68.13	
		For Work In Restricted Working Space, Add	58.38		
23 21 16 00-0573		Flanged, Simplex, Plastic Basket Strainers (23 21 16 00-0555)			
23 21 16 00-0574		Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainers (23 21 16 00-0573)			
23 21 16 00-0575	EA	1" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	549.99	113.54	
		For Work In Restricted Working Space, Add	68.11		
23 21 16 00-0576	EA	1-1/2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	836.92	129.77	
		For Work In Restricted Working Space, Add	77.86		
23 21 16 00-0577	EA	2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	890.39	151.18	
		For Work In Restricted Working Space, Add	90.70		
23 21 16 00-0578	EA	3" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,618.25	220.61	
		For Work In Restricted Working Space, Add	82.83		
23 21 16 00-0579	EA	4" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	2,213.89	369.83	
		For Work In Restricted Working Space, Add	139.04		
23 21 16 00-0580	EA	6" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	4,320.02	467.16	
		For Work In Restricted Working Space, Add	175.81		
23 21 16 00-0581	EA	8" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	5,662.25	596.92	
		For Work In Restricted Working Space, Add	222.45		
23 21 16 00-0582		Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers (23 21 16 00-0573)			
23 21 16 00-0583	EA	1-1/2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,071.23	129.77	
		For Work In Restricted Working Space, Add	77.86		
23 21 16 00-0584	EA	2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,130.98	151.18	
		For Work In Restricted Working Space, Add	90.70		
23 21 16 00-0585	EA	3" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,238.28	220.61	
		For Work In Restricted Working Space, Add	82.83		
23 21 16 00-0586	EA	4" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,867.49	369.83	
		For Work In Restricted Working Space, Add	139.04		
23 21 16 00-0587		Screwed Or Socket Ends, Duplex, Plastic Basket Strainers (23 21 16 00-0555)			
23 21 16 00-0588		Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainers (23 21 16 00-0587)			
23 21 16 00-0589	EA	1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,389.08	18.17	
		For Work In Restricted Working Space, Add	15.45		
23 21 16 00-0590	EA	3/4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,398.09	21.16	
		For Work In Restricted Working Space, Add	18.15		
23 21 16 00-0591	EA	1" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,409.69	25.17	
		For Work In Restricted Working Space, Add	21.63		
23 21 16 00-0592	EA	1-1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,173.28	31.80	
		For Work In Restricted Working Space, Add	27.22		
23 21 16 00-0593	EA	2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,186.47	36.33	
		For Work In Restricted Working Space, Add	31.17		
23 21 16 00-0594	EA	3" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	4,850.55	51.91	
		For Work In Restricted Working Space, Add	44.30		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 23 21 16 00-0595 EA 4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer 6,398.10 68.13
For Work In Restricted Working Space, Add 58.38

23 21 16 00-0596 Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers (23 21 16 00-0587)

 23 21 16 00-0597 EA 1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 1,907.81 18.17
For Work In Restricted Working Space, Add 15.45
 23 21 16 00-0598 EA 3/4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 1,916.82 21.16
For Work In Restricted Working Space, Add 18.15
 23 21 16 00-0599 EA 1" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 1,928.42 25.17
For Work In Restricted Working Space, Add 21.63
 23 21 16 00-0600 EA 1-1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 2,986.01 31.80
For Work In Restricted Working Space, Add 27.22
 23 21 16 00-0601 EA 2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 2,999.20 36.33
For Work In Restricted Working Space, Add 31.17
 23 21 16 00-0602 EA 3" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 5,826.73 51.91
For Work In Restricted Working Space, Add 44.30
 23 21 16 00-0603 EA 4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 8,750.62 68.13
For Work In Restricted Working Space, Add 58.38

23 21 16 00-0604 Flanged, Duplex, Plastic Basket Strainers (23 21 16 00-0555)

23 21 16 00-0605 Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainers (23 21 16 00-0604)

 23 21 16 00-0606 EA 1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer 1,465.39 48.66
For Work In Restricted Working Space, Add 29.20
 23 21 16 00-0607 EA 3/4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer 1,497.83 64.88
For Work In Restricted Working Space, Add 38.93
 23 21 16 00-0608 EA 1" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer 1,595.08 113.54
For Work In Restricted Working Space, Add 68.11
 23 21 16 00-0609 EA 1-1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer 2,421.31 129.77
For Work In Restricted Working Space, Add 77.86
 23 21 16 00-0610 EA 2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer 2,464.12 151.18
For Work In Restricted Working Space, Add 90.70
 23 21 16 00-0611 EA 3" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer 5,146.56 220.61
For Work In Restricted Working Space, Add 82.83
 23 21 16 00-0612 EA 4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer 6,878.70 369.83
For Work In Restricted Working Space, Add 139.04

23 21 16 00-0613 Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers (23 21 16 00-0604)

 23 21 16 00-0614 EA 1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 1,993.16 48.66
For Work In Restricted Working Space, Add 29.19
 23 21 16 00-0615 EA 3/4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 2,025.57 64.88
For Work In Restricted Working Space, Add 38.92
 23 21 16 00-0616 EA 1" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 2,122.87 113.54
For Work In Restricted Working Space, Add 68.11
 23 21 16 00-0617 EA 1-1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 3,259.29 129.77
For Work In Restricted Working Space, Add 77.86
 23 21 16 00-0618 EA 2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 3,302.10 151.18
For Work In Restricted Working Space, Add 90.70
 23 21 16 00-0619 EA 3" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 7,188.94 220.61
For Work In Restricted Working Space, Add 82.83
 23 21 16 00-0620 EA 4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer 9,390.72 369.83
For Work In Restricted Working Space, Add 139.04

23 21 16 00-0621 Plastic Strainer Baskets (23 21 16 00-0555)

23 21 16 00-0622 Polyvinyl Chloride (PVC) Strainer Baskets (23 21 16 00-0621)

 23 21 16 00-0623 EA 1/2", 3/4" Or 1" Polyvinyl Chloride (PVC) Strainer Basket 118.98
 23 21 16 00-0624 EA 1-1/2", Or 2" Polyvinyl Chloride (PVC) Strainer Basket 145.95
 23 21 16 00-0625 EA 3" Polyvinyl Chloride (PVC) Strainer Basket 327.54
 23 21 16 00-0626 EA 4" Polyvinyl Chloride (PVC) Strainer Basket 371.72

23 21 16 00-0627 Chlorinated Polyvinyl Chloride (CPVC) Strainer Baskets (23 21 16 00-0621)

 23 21 16 00-0628 EA 1/2", 3/4" Or 1" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket 162.34
 23 21 16 00-0629 EA 1-1/2" Or 2" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket 203.28
 23 21 16 00-0630 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket 451.73
 23 21 16 00-0631 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket 501.14

23 21 16 00-0632 Air Vents (23 21 16)

23 21 16 00-0633 Screwed Ends, Cast Iron, Automatic Air Vents (23 21 16 00-0632)

Note: With guided free floating lever.

 23 21 16 00-0634 EA 1/2" NPT, Cast Iron, Automatic Air Vent 335.68 37.63
 23 21 16 00-0635 EA 3/4" NPT, Cast Iron, Automatic Air Vent 411.44 49.96
 23 21 16 00-0636 EA 1" NPT, Cast Iron, Automatic Air Vent 928.64 51.91
 23 21 16 00-0637 EA 1-1/4" NPT, Cast Iron, Automatic Air Vent 1,377.47 80.20
 23 21 16 00-0638 EA 1-1/2" NPT, Cast Iron, Automatic Air Vent 2,289.70 86.30
 23 21 16 00-0639 EA 2" NPT, Cast Iron, Automatic Air Vent 2,631.33 113.81

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0640		Forged Steel, Stainless Steel Internals, Automatic Air Vents (23 21 16 00-0632) Note: With guided free floating lever.		
23 21 16 00-0641	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	2,355.76	43.47
23 21 16 00-0642	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	2,952.85	49.96
23 21 16 00-0643	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	3,524.14	51.91
23 21 16 00-0644	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	5,782.76	80.45
23 21 16 00-0645	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	6,679.47	86.30
23 21 16 00-0646	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent.....	9,821.03	113.54
23 21 16 00-0647		Manual Air Vent (23 21 16 00-0632)		
23 21 16 00-0648	EA	Manual Air Vent.....	88.58	46.84
23 21 16 00-0649		Automatic Air Vent (23 21 16 00-0632)		
23 21 16 00-0650	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	263.05	49.96
23 21 16 00-0651	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	287.74	51.91
23 21 16 00-0652	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	408.12	80.20
23 21 16 00-0653	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	503.26	86.30
23 21 16 00-0654	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR).....	640.71	92.99
23 21 16 00-0655		Air Release Valves (23 21 16 00-0632)		
23 21 16 00-0656		Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) (23 21 16 00-0655) Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0657	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	206.13	19.47
23 21 16 00-0658	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	211.33	22.06
23 21 16 00-0659	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50).....	221.70	27.25
23 21 16 00-0660		Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) (23 21 16 00-0655) Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0661	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A).....	835.84	27.25
23 21 16 00-0662	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	1,005.05	47.37
23 21 16 00-0663	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200).....	1,319.08	110.43
23 21 16 00-0664		Cast Iron, Air/Vacuum Valves (23 21 16 00-0655) Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0665	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141).....	405.18	19.47
23 21 16 00-0666	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142).....	500.37	27.25
23 21 16 00-0667	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144).....	864.39	47.37
23 21 16 00-0668	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146).....	1,255.38	110.43
23 21 16 00-0669	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152).....	1,964.79	185.38
23 21 16 00-0670	EA	6" Flanged Cast Iron Air Release Valve (APCO 153).....	2,986.82	234.42
23 21 16 00-0671		Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (23 21 16 00-0655) Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0672	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C).....	723.31	27.25
23 21 16 00-0673	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C).....	1,111.21	47.37
23 21 16 00-0674	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C).....	2,038.31	110.43
23 21 16 00-0675	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C).....	2,646.87	185.38
23 21 23		Hydronic Pumps (23 21)		
23 21 23 13		In-Line Centrifugal Hydronic Pumps (23 21 23)		
23 21 23 13-0001		Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13) Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA	3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump.....	6,788.17	346.55
		For Mechanical Seal, Add.....	459.92	
		For Cast Steel Case, Add.....	1,034.83	
23 21 23 13-0003	EA	5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump.....	7,421.00	419.44
		For Mechanical Seal, Add.....	493.05	
		For Cast Steel Case, Add.....	1,109.36	
23 21 23 13-0004	EA	7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump.....	8,580.52	498.31
		For Mechanical Seal, Add.....	566.94	
		For Cast Steel Case, Add.....	1,275.62	
23 21 23 13-0005	EA	10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump.....	9,633.43	664.41
		For Mechanical Seal, Add.....	611.34	
		For Cast Steel Case, Add.....	1,375.52	
23 21 23 13-0006	EA	15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump.....	11,035.83	724.16
		For Mechanical Seal, Add.....	709.05	
		For Cast Steel Case, Add.....	1,595.36	
23 21 23 13-0007	EA	30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump.....	16,436.14	797.05
		For Mechanical Seal, Add.....	1,123.69	
		For Cast Steel Case, Add.....	2,528.31	
23 21 23 13-0008	EA	40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump.....	19,326.66	995.43
		For Mechanical Seal, Add.....	1,307.13	
		For Cast Steel Case, Add.....	2,941.05	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 21 23 13-0009	EA	50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	26,832.72	1,137.63
		<i>For Mechanical Seal, Add</i>	1,873.48	
		<i>For Cast Steel Case, Add</i>	4,215.32	
23 21 23 13-0010	EA	75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	34,074.59	1,192.25
		<i>For Mechanical Seal, Add</i>	2,439.82	
		<i>For Cast Steel Case, Add</i>	5,489.59	
23 21 23 13-0011	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	37,256.16	1,532.57
		<i>For Mechanical Seal, Add</i>	2,612.58	
		<i>For Cast Steel Case, Add</i>	5,878.32	

23 21 23 13-0012 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump (23 21 23 13)

Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.

23 21 23 13-0013	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	2,343.22	198.97
23 21 23 13-0014	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,118.86	227.41
23 21 23 13-0015	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,477.94	254.66
23 21 23 13-0016	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,710.76	276.88
23 21 23 13-0017	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,147.65	303.17
23 21 23 13-0018	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,326.62	335.07
23 21 23 13-0019	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	7,235.77	397.93
23 21 23 13-0020	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	8,426.00	489.83
23 21 23 13-0021	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	10,820.71	530.57
23 21 23 13-0022	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	12,632.54	561.76
23 21 23 13-0023	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,201.69	596.90
23 21 23 13-0024	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,092.74	616.85
23 21 23 13-0025	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,983.79	636.69
23 21 23 13-0026	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	21,334.74	682.22
23 21 23 13-0027	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	23,020.85	763.85
23 21 23 13-0028	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	25,481.18	1,103.28
23 21 23 13-0029	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	30,235.16	2,206.55
23 21 23 13-0030	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	34,774.82	2,647.86

23 21 23 13-0031 Cast Iron Construction Straight Centrifugal Circulating Pump (23 21 23 13)

Note: Includes stainless steel impeller and buna-N elastomer.

23 21 23 13-0032 1-1/4" x 1" High Head (23 21 23 13-0031)

23 21 23 13-0033	EA	3/4 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,072.04	379.94
23 21 23 13-0034	EA	3/4 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,096.13	379.94
23 21 23 13-0035	EA	1.5 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,205.84	439.07
23 21 23 13-0036	EA	1.5 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,246.58	439.07

23 21 23 13-0037 1-1/2" x 1-1/4" High Head (23 21 23 13-0031)

23 21 23 13-0038	EA	2 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,339.72	460.80
23 21 23 13-0039	EA	2 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,373.21	460.80
23 21 23 13-0040	EA	3 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,501.82	506.07
23 21 23 13-0041	EA	3 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,534.40	506.07

23 21 23 13-0042 Stainless Steel Construction Straight Centrifugal Circulating Pump (23 21 23 13)

Note: Includes stainless steel impeller and viton elastomer.

23 21 23 13-0043 1-1/4" x 1" High Head (23 21 23 13-0042)

23 21 23 13-0044	EA	3/4 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,292.68	379.94
23 21 23 13-0045	EA	3/4 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,309.90	379.94
23 21 23 13-0046	EA	1.5 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,428.70	439.07
23 21 23 13-0047	EA	1.5 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,468.60	439.07

23 21 23 13-0048 1-1/2" x 1-1/4" High Head (23 21 23 13-0042)

23 21 23 13-0049	EA	2 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,631.37	460.80
23 21 23 13-0050	EA	2 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,665.04	460.80
23 21 23 13-0051	EA	3 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,793.62	506.07
23 21 23 13-0052	EA	3 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,827.25	506.07

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	6,738.77	378.81
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	7,556.61	379.29
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	9,960.35	498.31
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	10,920.22	613.03
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	12,217.62	613.03
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	11,889.77	664.41
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	12,627.39	664.41
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	13,795.33	696.68
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	15,364.20	885.49
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	16,264.67	995.43
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	24,927.16	2,319.62
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	36,091.71	2,783.04

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	40,957.85	3,478.80
23 21 23 16-0015		Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16) Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	6,909.17	278.43
		For 300 Lb. Flanges, Add	1,601.77	
23 21 23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	8,797.45	298.75
		For 300 Lb. Flanges, Add	2,087.33	
23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	11,026.54	319.06
		For 300 Lb. Flanges, Add	2,623.86	
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,862.99	378.81
		For 300 Lb. Flanges, Add	3,045.03	
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	13,518.75	379.29
		For 300 Lb. Flanges, Add	3,200.44	
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,132.36	498.31
		For 300 Lb. Flanges, Add	3,309.03	
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,447.29	498.31
		For 300 Lb. Flanges, Add	3,387.76	
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,144.88	498.31
		For 300 Lb. Flanges, Add	3,562.16	
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,582.49	613.03
		For 300 Lb. Flanges, Add	4,119.86	
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	17,855.69	612.55
		For 300 Lb. Flanges, Add	4,177.03	
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	18,821.50	664.41
		For 300 Lb. Flanges, Add	4,406.63	
23 21 23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	20,652.80	696.68
		For 300 Lb. Flanges, Add	4,840.58	
23 21 23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	22,829.64	885.49
		For 300 Lb. Flanges, Add	5,309.08	
23 21 23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	25,897.79	995.43
		For 300 Lb. Flanges, Add	6,026.33	
23 21 23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	40,194.60	2,319.62
		For 300 Lb. Flanges, Add	8,930.46	
23 21 23 16-0031	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	47,803.99	2,783.04
		For 300 Lb. Flanges, Add	10,609.17	
23 21 23 16-0032	EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	58,296.74	3,478.80
		For 300 Lb. Flanges, Add	12,896.91	
23 21 23 16-0033		Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16) Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.		
23 21 23 16-0034	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,626.23	278.43
		For 300 Lb. Flanges, Add	1,531.03	
23 21 23 16-0035	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,803.50	298.75
		For 300 Lb. Flanges, Add	1,566.43	
23 21 23 16-0036	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	6,980.93	319.06
		For 300 Lb. Flanges, Add	1,601.83	
23 21 23 16-0037	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,580.91	326.23
		For 300 Lb. Flanges, Add	1,748.30	
23 21 23 16-0038	EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	12,351.18	378.81
		For 300 Lb. Flanges, Add	2,917.08	
23 21 23 16-0039	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	14,959.32	498.31
		For 300 Lb. Flanges, Add	3,546.09	
23 21 23 16-0040	EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	16,822.61	537.74
		For 300 Lb. Flanges, Add	3,981.59	
23 21 23 16-0041	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	17,799.58	597.49
		For 300 Lb. Flanges, Add	4,174.13	
23 21 23 16-0042	EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	19,813.68	596.70
		For 300 Lb. Flanges, Add	4,685.15	
23 21 23 16-0043	EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	22,209.00	766.86
		For 300 Lb. Flanges, Add	5,207.34	
23 21 23 16-0044	EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	28,135.34	928.09
		For 300 Lb. Flanges, Add	6,586.56	
23 21 23 16-0045	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	35,911.44	1,159.19
		For 300 Lb. Flanges, Add	8,418.77	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	45,165.89	1,391.52
		For 300 Lb. Flanges, Add	10,620.56	
23 21 23 16-0047	EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	53,533.73	1,545.59
		For 300 Lb. Flanges, Add	12,637.97	
23 21 23 16-0048	EA	200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	61,599.36	1,987.88
		For 300 Lb. Flanges, Add	14,441.40	
23 21 23 16-0049		Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16) Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050	EA	40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	41,965.03	613.03
		For 300 Lb. Flanges, Add	10,215.49	
23 21 23 16-0051	EA	50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	45,302.89	664.41
		For 300 Lb. Flanges, Add	11,026.98	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
23 21 23 16-0052	EA 75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case For 300 Lb. Flanges, Add	60,437.97 14,706.05		881.10	
23 21 23 16-0053	EA 100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case For 300 Lb. Flanges, Add	70,575.93 17,089.24		1,210.70	
23 21 23 16-0054	EA 200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case For 300 Lb. Flanges, Add	97,922.82 23,741.05		1,614.26	
23 21 23 16-0055 Cast Iron Close Coupling Pumps (23 21 23 16)					
23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps (23 21 23 16-0055)					
23 21 23 16-0057	EA 3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM).....	6,034.76		358.50	
23 21 23 16-0058	EA 3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM).....	6,565.38		358.50	
23 21 23 16-0059	EA 5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM).....	7,298.61		378.42	
23 21 23 16-0060	EA 5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM).....	7,768.00		378.42	
23 21 23 16-0061	EA 7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM).....	8,923.98		397.93	
23 21 23 16-0062	EA 10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM).....	10,577.23		479.06	
23 21 23 16-0063	EA 15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP).....	13,881.54		590.15	
23 21 23 16-0064	EA 20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP).....	14,861.04		638.73	
23 21 23 16-0065	EA 25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP).....	17,206.77		689.83	
23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt (23 21 23 16)					
23 21 23 16-0067	EA 1/3 HP, Centrifugal Pump, Polypropylene Body	1,524.87		185.18	
23 21 23 16-0068	EA 1/2 HP, Centrifugal Pump, Polypropylene Body	1,626.59		196.34	
23 21 23 16-0069	EA 3/4 HP, Centrifugal Pump, Polypropylene Body	1,894.47		209.05	
23 21 23 16-0070	EA 1 HP, Centrifugal Pump, Polypropylene Body	1,293.42		227.09	
23 21 23 16-0071 Pumps, Polyvinylidene Fluoride (PVDF) Body, Housing And Impeller, 115/230 Volt (23 21 23 16)					
23 21 23 16-0072	EA 1/2 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body	1,226.47		196.34	
23 21 23 16-0073	EA 3/4 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body	1,314.42		209.05	
23 21 23 16-0074	EA 1 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body	1,436.75		227.09	
23 21 23 16-0075 Pump, Stainless Steel Centrifugal Pump (23 21 23 16)					
23 21 23 16-0076 Pump, 304 Stainless Steel Centrifugal Pump (23 21 23 16-0075)					
Note: Carbon/ceramic seals with viton elastomer, 3450 RPM.					
23 21 23 16-0077	EA 3/4 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase.....	968.39		192.39	
23 21 23 16-0078	EA 1 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	1,101.41		244.97	
23 21 23 16-0079	EA 1-1/2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	1,267.35		298.75	
23 21 23 16-0080	EA 2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	1,474.25		373.43	
23 21 23 16-0081	EA 1-1/2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase	1,273.27		298.75	
23 21 23 16-0082	EA 2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase	1,471.71		373.43	
23 21 23 16-0083	EA 3 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase	1,650.88		442.75	
23 21 23 16-0084	EA 3 HP Stainless Steel Centrifugal Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase	2,334.26		597.49	
23 21 23 16-0085	EA 5 HP Stainless Steel Centrifugal Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase	3,040.31		880.71	
23 21 23 16-0086	EA 7-1/2 HP Stainless Steel Centrifugal Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase.....	3,925.78		1,235.50	
23 21 23 16-0087	EA 5 HP Stainless Steel Centrifugal Pump, 2-1/2" In, 1-1/2" Discharge, Flanged, 3 Phase.....	3,003.94		880.71	
23 21 23 16-0088	EA 7-1/2 HP Stainless Steel Centrifugal Pump, 2-1/2" In, 1-1/2" Discharge, Flanged, 3 Phase.....	3,843.75		1,235.50	
23 21 23 16-0089	EA 7-1/2 HP Stainless Steel Centrifugal Pump, 2-1/2" In, 2" Discharge, Flanged, 3 Phase.....	3,856.43		1,235.50	
23 21 23 16-0090 Pump, 316 Stainless Steel Centrifugal Pump With Viton Elastomer (23 21 23 16-0075)					
23 21 23 16-0091	EA 1/2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	873.03		149.38	
23 21 23 16-0092	EA 3/4 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	983.25		192.39	
23 21 23 16-0093	EA 3/4 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,015.31		192.39	
23 21 23 16-0094	EA 1 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	1,106.52		244.97	
23 21 23 16-0095	EA 1 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,137.93		244.97	
23 21 23 16-0096	EA 1-1/2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	1,236.70		298.75	
23 21 23 16-0097	EA 1-1/2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,280.19		298.75	
23 21 23 16-0098	EA 2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	1,406.47		373.43	
23 21 23 16-0099	EA 2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,447.70		373.43	
23 21 23 23 Vertical-Turbine Hydronic Pumps (23 21 23)					
See CSI section 26 29 23 00-0000 for variable frequency motor controllers.					
23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps (23 21 23 23)					
Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.					
23 21 23 23-0002	EA 2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage..... For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	13,493.03 1,132.55 486.61 351.68		885.49	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage..... For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	15,565.82 1,298.80 569.09 413.44	995.43
23 21 23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage..... For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	18,655.24 1,558.98 679.65 493.10	928.09
23 21 23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage..... For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	22,019.14 1,630.34 811.95 591.76	1,070.97
23 21 23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage..... For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	27,144.02 2,246.07 1,011.22 739.78	1,159.19
23 21 23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage..... For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	35,712.24 2,946.43 1,339.03 981.91	1,391.52
23 21 23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage..... For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	42,734.00 3,530.54 1,597.54 1,170.20	1,739.40
23 21 23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage..... For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	68,548.45 5,611.67 2,614.15 1,928.66	1,987.88
23 21 23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage..... For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	89,922.01 7,342.85 3,447.79 2,548.57	2,319.62
23 21 23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage..... For Each Extra Column Assembly <60", Add For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	125,946.86 10,254.66 4,858.96 3,599.50	2,783.04

23 21 29 Automatic Condensate Pump Units (23 21)
23 21 29 00-0001 Automatic Shallow Pan Condensate Pump (23 21 29)

23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS).....	245.78	38.83
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS).....	266.80	38.83
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS).....	417.12	44.81

23 21 29 00-0005 Automatic Condensate Pump With Tank (23 21 29)

23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL).....	134.20	29.88
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20).....	143.18	29.88
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS).....	238.90	38.83
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS).....	257.72	44.81
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS)..... Condensate Pump.....	478.00	50.79

23 22 Steam and Condensate Piping and Pumps (23 20)
23 22 16 Steam and Condensate Heating Piping Specialties (23 22)
23 22 16 00-0001 Steam Temperature Regulator, Iron Body (23 22 16)
23 22 16 00-0002 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

Note: Up to 150 PSI.

23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,413.19	18.68
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,487.57	25.16
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	1,973.88	31.00
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,180.09	39.18
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,237.56	45.01
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,643.51	48.97
23 22 16 00-0009	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,368.44	89.70
23 22 16 00-0010	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,510.73	97.82
23 22 16 00-0011	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,033.78	228.97
23 22 16 00-0012	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	13,418.69	268.75

23 22 16 00-0013 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)

23 22 16 00-0014	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,093.97	18.68
23 22 16 00-0015	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,169.39	25.16
23 22 16 00-0016	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,266.65	31.00
23 22 16 00-0017	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,713.51	39.18
23 22 16 00-0018	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,907.36	45.01
23 22 16 00-0019	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,301.25	48.97
23 22 16 00-0020	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,060.98	89.70
23 22 16 00-0021	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,646.80	97.82
23 22 16 00-0022	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	10,537.93	228.97

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 22 16 00-0023	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	17,072.48	268.75
23 22 16 00-0024 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)				
23 22 16 00-0025	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,853.02	18.68
23 22 16 00-0026	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,895.32	25.16
23 22 16 00-0027	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,169.07	31.00
23 22 16 00-0028	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,451.50	39.18
23 22 16 00-0029	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,577.16	45.01
23 22 16 00-0030	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,035.24	48.97
23 22 16 00-0031	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,467.42	89.70
23 22 16 00-0032	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,848.10	97.82
23 22 16 00-0033	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,672.34	228.97
23 22 16 00-0034	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,202.93	268.75
23 22 16 00-0035 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)				
23 22 16 00-0036	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,655.16	18.68
23 22 16 00-0037	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,693.47	25.16
23 22 16 00-0038	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,011.32	31.00
23 22 16 00-0039	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,181.42	39.18
23 22 16 00-0040	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,343.20	45.01
23 22 16 00-0041	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,729.09	48.97
23 22 16 00-0042	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,868.49	89.70
23 22 16 00-0043	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	11,405.82	97.82
23 22 16 00-0044	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,230.06	228.97
23 22 16 00-0045	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,760.66	268.75
23 22 16 00-0046 High Temperature Safety Relief Valve (23 22 16)				
Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.				
23 22 16 00-0047 Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046)				
Note: Variable set points to 500 PSIG pressure, 400 Degree F temperature range.				
23 22 16 00-0048 Threaded (23 22 16 00-0047)				
23 22 16 00-0049	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	529.67	19.46
23 22 16 00-0050	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	554.96	23.02
23 22 16 00-0051	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	613.07	29.19
23 22 16 00-0052	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	755.33	32.43
23 22 16 00-0053	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	966.63	39.88
23 22 16 00-0054	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,495.94	45.40
23 22 16 00-0055	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,621.78	52.21
23 22 16 00-0056 Flanged (23 22 16 00-0047)				
23 22 16 00-0057	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,708.30	136.20
23 22 16 00-0058	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,320.37	204.74
23 22 16 00-0059	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,770.57	188.52
23 22 16 00-0060	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,797.29	272.28
23 22 16 00-0061	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	6,181.51	203.05
23 22 16 00-0062	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	7,265.03	272.28
23 22 16 00-0063	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	12,153.16	386.39
23 22 16 00-0064	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	24,151.16	431.53
23 22 16 00-0065 Bronze Body Safety Valve, Threaded, Steam (23 22 16 00-0046)				
Note: Variable set points to 250 PSIG pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 PSIG pressure.				
23 22 16 00-0066	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	575.63	17.84
23 22 16 00-0067	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	589.88	19.46
23 22 16 00-0068	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	690.15	21.40
23 22 16 00-0069	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	761.99	23.02
23 22 16 00-0070	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	881.50	25.95
23 22 16 00-0071	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	886.52	29.19
23 22 16 00-0072	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	996.73	30.81
23 22 16 00-0073	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,086.00	32.43
23 22 16 00-0074	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,506.22	36.32
23 22 16 00-0075	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,646.16	39.88
23 22 16 00-0076	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,963.77	45.40
23 22 16 00-0077 Bronze Body Safety Valve, Threaded, Water (23 22 16 00-0046)				
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.				
23 22 16 00-0078	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	272.60	17.84
23 22 16 00-0079	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	310.50	19.46
23 22 16 00-0080	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	429.13	21.40
23 22 16 00-0081	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	472.39	23.02
23 22 16 00-0082	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	682.01	25.95
23 22 16 00-0083	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	919.27	30.81
23 22 16 00-0084	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,339.39	36.32

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0085		Steam Traps (23 22 16)		
23 22 16 00-0086		Inverted Bucket Steam Traps (23 22 16 00-0085)		
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	349.11	38.93
		For Work In Restricted Working Space, Add	23.36	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	352.35	40.55
		For Work In Restricted Working Space, Add	24.33	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	523.15	43.21
		For Work In Restricted Working Space, Add	25.95	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	845.70	58.98
		For Work In Restricted Working Space, Add	35.39	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,258.28	72.67
		For Work In Restricted Working Space, Add	43.25	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,606.42	108.14
		For Work In Restricted Working Space, Add	64.88	
23 22 16 00-0093		Float And Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	368.99	40.55
		For Work In Restricted Working Space, Add	24.33	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	485.65	43.25
		For Work In Restricted Working Space, Add	25.95	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	600.92	58.98
		For Work In Restricted Working Space, Add	35.39	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	879.19	72.09
		For Work In Restricted Working Space, Add	43.25	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,484.29	108.10
		For Work In Restricted Working Space, Add	64.88	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	469.22	40.55
		For Work In Restricted Working Space, Add	24.33	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	509.91	43.21
		For Work In Restricted Working Space, Add	25.95	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	667.06	58.98
		For Work In Restricted Working Space, Add	35.39	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,039.27	72.02
		For Work In Restricted Working Space, Add	43.25	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,632.04	108.13
		For Work In Restricted Working Space, Add	64.88	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	608.15	40.55
		For Work In Restricted Working Space, Add	24.33	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	677.51	43.25
		For Work In Restricted Working Space, Add	25.95	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,030.94	58.98
		For Work In Restricted Working Space, Add	35.39	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,239.75	72.02
		For Work In Restricted Working Space, Add	43.25	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,048.82	108.14
		For Work In Restricted Working Space, Add	64.88	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	616.97	40.55
		For Work In Restricted Working Space, Add	24.33	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	677.51	43.25
		For Work In Restricted Working Space, Add	25.95	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,030.94	58.98
		For Work In Restricted Working Space, Add	35.39	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,239.75	72.02
		For Work In Restricted Working Space, Add	43.25	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,048.82	108.13
		For Work In Restricted Working Space, Add	64.88	
23 22 16 00-0114		Thermostatic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	180.17	38.93
		For Work In Restricted Working Space, Add	23.36	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	299.40	40.55
		For Work In Restricted Working Space, Add	24.33	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	369.29	43.21
		For Work In Restricted Working Space, Add	25.96	
23 22 16 00-0118		Thermodynamic Steam Traps (23 22 16 00-0085)		
23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	394.36	35.04
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	558.61	38.93
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	691.94	40.55
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	926.69	43.21
23 22 16 00-0123		Steam Moisture Separator (23 22 16 00-0085)		
23 22 16 00-0124	EA	1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	810.83	64.88
23 22 16 00-0125	EA	3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	861.23	87.60
23 22 16 00-0126	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,036.43	98.62
23 22 16 00-0127	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,635.60	112.90
23 22 16 00-0128	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,006.30	172.98
23 22 16 00-0129	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	3,016.75	188.16
23 22 16 00-0130	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	3,452.02	220.61
23 22 16 00-0131	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	4,763.10	369.83
23 22 16 00-0132	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	9,286.17	467.16

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 22 16 00-0133	Steam/Condensate Meter (23 22 16)			
	Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.			
23 22 16 00-0134	EA	1" Steam/Condensate Meter.....	12,880.23	107.49
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0135	EA	2" Steam/Condensate Meter.....	14,525.56	126.31
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0136	EA	2-1/2" Steam/Condensate Meter.....	15,376.30	156.76
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0137	EA	3" Steam/Condensate Meter.....	16,252.12	206.04
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0138	EA	4" Steam/Condensate Meter.....	18,204.06	320.10
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0139	EA	6" Steam/Condensate Meter.....	31,369.47	404.91
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0140	EA	8" Steam/Condensate Meter.....	32,366.74	511.21
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0141	EA	10" Steam/Condensate Meter.....	33,735.99	627.07
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0142	EA	12" Steam/Condensate Meter.....	35,220.35	761.44
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0143	EA	14" Steam/Condensate Meter.....	37,379.80	895.80
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0144	EA	16" Steam/Condensate Meter.....	38,624.42	985.39
		For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
		For Contactor Used For Dial Counter, Add	567.00	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
		For Direct Reading Pressure Gauge, Add	79.82	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	

23 22 23 Steam Condensate Pumps (23 22)**23 22 23 13 Electric-Driven Steam Condensate Pumps** (23 22 23)**23 22 23 13-0001 Simplex Condensate Pumps And Motors** (23 22 23 13)

Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)

23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,142.03	608.25
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,715.15	624.98
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,842.67	666.80
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,116.33	673.97
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,477.49	733.72

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,031.48		733.72
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,123.97		783.91
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,218.25		819.76
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,288.07		855.62
23 22 23 13-0012		30 PSI Discharge Pressure (23 22 23 13-0001)			
23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,447.28		650.07
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,146.31		666.80
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,271.28		711.02
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,770.73		768.38
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,123.97		785.11
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,267.00		812.59
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,431.46		855.62
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,281.63		910.58
23 22 23 13-0021		40 PSI Discharge Pressure (23 22 23 13-0001)			
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,732.63		745.67
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,413.13		805.42
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,975.47		795.87
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,242.32		812.59
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,357.81		847.25
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,288.07		855.62
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,386.54		910.58
23 22 23 13-0029		50 PSI Discharge Pressure (23 22 23 13-0001)			
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,008.00		807.81
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,684.00		824.55
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,205.76		830.52
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,455.03		903.41
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,498.99		973.92
23 22 23 13-0035		Duplex Condensate Pumps And Motors (23 22 23 13)			
		Note: Cast iron receiver, float switch, alternator assembly.			
23 22 23 13-0036		20 PSI Discharge Pressure (23 22 23 13-0035)			
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,489.41		816.18
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,705.15		896.24
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,030.65		903.41
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,498.10		984.67
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,175.52		984.67
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,307.47		1,061.15
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,435.74		1,107.76
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,626.77		1,162.73
23 22 23 13-0045		30 PSI Discharge Pressure (23 22 23 13-0035)			
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,478.64		879.51
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,699.20		960.77
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,196.16		936.88

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,307.47	1,061.15	
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,489.43	1,100.58	
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,379.91	1,162.73	
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,752.24	1,246.38	
23 22 23 13-0053		40 PSI Discharge Pressure (23 22 23 13-0035)			
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,880.53	1,037.25	
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,375.63	1,083.86	
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,504.24	1,100.58	
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,696.51	1,155.56	
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,628.00	1,162.73	
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,781.86	1,246.38	
23 22 23 13-0060		50 PSI Discharge Pressure (23 22 23 13-0035)			
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,085.43	1,037.25	
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,493.85	1,140.02	
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,851.59	1,238.01	
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	11,715.80	1,340.78	
23 22 23 13-0065		Steam Condensate Pumps And Motors; ITT Bell & Gossett Series WC (23 22 23 13)			
		Note: Cast iron receiver, float switch			
23 22 23 13-0066	EA	9 GPM Steam Condensate Pump With 6 Gallon Cast Iron Receiver, Float Switch, 22 PSI Discharge Pressure; ITT WC6-20B	2,125.98	608.25	
23 22 23 13-0067	EA	12 GPM Steam Condensate Pump With 9 Gallon Cast Iron Receiver, Float Switch, 21 PSI Discharge Pressure; ITT WC8-20B	2,205.38	624.98	
23 22 23 13-0068	EA	18 GPM Steam Condensate Pump With 14 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure; ITT WC12-20B	2,621.73	666.80	
23 22 23 33		Steam Positive Displacement Pump (23 22 23)			
		Note: Float operated			
23 22 23 33-0001	EA	Steam Positive Displacement Pump Receiver, Float Operated, Kadant LMHT-500	3,404.22	608.25	
23 22 23 33-0002	EA	Steam Positive Displacement Pump Receiver, Float Operated, Kadant LMHT-1600	6,124.28	624.98	
23 23 Refrigerant Piping (23 20)					
23 23 13 Refrigerant Piping Valves (23 23)					
23 23 13 00-0001		Ball Valves (23 23 13)			
23 23 13 00-0002		Refrigeration Ball Valves, Sweat, 1400 Series (23 23 13 00-0001)			
23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	52.15	12.97	
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	54.24	12.97	
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	72.35	12.97	
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	96.88	14.27	
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	135.40	16.22	
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	220.19	19.97	
23 23 13 00-0009		Shut-Off Valves (23 23 13)			
23 23 13 00-0010		Packless (23 23 13 00-0009)			
23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	68.75	13.50	
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	85.83	14.80	
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	175.40	20.24	
23 23 13 00-0014		Packed (23 23 13 00-0009)			
23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	311.24	29.46	
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	415.92	36.07	
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	506.45	40.61	
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	722.96	46.33	
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	1,202.62	129.77	
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	1,577.65	162.21	
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	2,242.61	216.32	
23 23 13 00-0022		Check Valves (23 23 13)			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration.....	87.13	12.97
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration.....	272.83	14.27
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration.....	316.51	16.22
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration.....	426.08	17.26
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration.....	560.54	19.98
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration.....	830.28	23.61
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration.....	1,162.22	34.64
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration.....	1,536.70	45.41
23 23 13 00-0031 Solenoid Valves (23 23 13)				
23 23 13 00-0032 Solenoid Valve, 24 Volt Coil (23 23 13 00-0031)				
23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration.....	232.44	12.97
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration.....	237.97	12.97
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration.....	294.45	14.27
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration.....	294.45	14.27
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration.....	411.74	16.22
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration.....	659.81	17.26
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration.....	1,211.79	19.98
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration.....	1,229.94	23.61
23 23 16 Refrigerant Piping Specialties (23 23)				
23 23 16 00-0001 Soft Refrigeration Copper Tubing (23 23 16)				
Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0368 for flexible elastomeric insulation (insulation on suction line only).				
23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	5.38	3.09
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing.....	5.64	3.17
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing.....	5.89	3.26
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing.....	6.30	3.31
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	6.48	3.36
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing.....	7.27	3.53
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	7.98	3.57
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing.....	8.72	3.69
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing.....	11.22	4.34
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing.....	14.22	4.97
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing.....	20.46	5.88
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing.....	24.64	6.58
23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)				
Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0368 for flexible elastomeric insulation (insulation on suction line only).				
23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	7.17	3.63
For Medical Applications "Oxygen Clean", Add			0.64	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing.....	8.02	3.63
For Medical Applications "Oxygen Clean", Add			0.68	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	8.57	3.63
For Medical Applications "Oxygen Clean", Add			0.71	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing.....	12.38	5.45
For Medical Applications "Oxygen Clean", Add			1.02	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	13.52	5.84
For Medical Applications "Oxygen Clean", Add			1.11	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	15.66	5.84
For Medical Applications "Oxygen Clean", Add			1.22	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	19.46	6.74
For Medical Applications "Oxygen Clean", Add			1.48	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	23.53	7.79
For Medical Applications "Oxygen Clean", Add			1.76	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	33.20	9.73
For Medical Applications "Oxygen Clean", Add			2.39	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	49.80	14.66
For Medical Applications "Oxygen Clean", Add			3.59	
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	64.36	18.17
For Medical Applications "Oxygen Clean", Add			4.58	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	80.90	21.53
For Medical Applications "Oxygen Clean", Add			5.66	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing.....	99.95	25.96
For Medical Applications "Oxygen Clean", Add			6.94	
23 23 16 00-0028 Refrigeration Fittings (23 23 16)				
23 23 16 00-0029 Brass Flare Fittings (23 23 16 00-0028)				
23 23 16 00-0030 Brass Flare Unions (23 23 16 00-0029)				
23 23 16 00-0031	EA	3/8" Brass Flare Union.....	32.60	14.01
23 23 16 00-0032	EA	1/2" Brass Flare Union.....	32.60	14.01
23 23 16 00-0033	EA	5/8" Brass Flare Union.....	35.60	14.01
23 23 16 00-0034 90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)				
23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union.....	34.42	14.01
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union.....	34.42	14.01
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union.....	44.48	14.01

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 23 16 00-0038		Brass Flare Tees (23 23 16 00-0029)			
23 23 16 00-0039	EA	3/8" Brass Flare Tee	52.19	23.35	
23 23 16 00-0040	EA	1/2" Brass Flare Tee	56.68	23.35	
23 23 16 00-0041	EA	5/8" Brass Flare Tee	81.10	23.35	
23 23 16 00-0042		Male Connector, Half Brass Flare Unions (23 23 16 00-0029)			
23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	24.34	14.01	
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	27.35	14.01	
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	31.63	14.01	
23 23 16 00-0046		Female Connector, Half Brass Flare Unions (23 23 16 00-0029)			
23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	28.21	14.01	
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	32.28	14.01	
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	32.28	14.01	
23 23 16 00-0050		Long Forged Nuts (23 23 16 00-0029)			
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut.....	26.17	14.01	
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut.....	27.35	14.01	
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut.....	40.41	14.01	
23 23 16 00-0054		Short Forged Nuts (23 23 16 00-0029)			
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut.....	24.47	14.01	
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut.....	27.18	14.01	
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut.....	27.74	14.01	
23 23 16 00-0058		ACR Wrought Copper Fittings (23 23 16 00-0028)			
		Note: Soldered.			
23 23 16 00-0059		ACR Wrought Copper Coupling (23 23 16 00-0058)			
		Note: C x C			
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling.....	23.65	14.01	
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling.....	23.17	14.01	
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling.....	23.88	14.01	
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling.....	24.47	14.66	
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling.....	35.52	19.33	
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling.....	34.64	19.86	
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	46.73	24.66	
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	67.81	33.74	
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	82.15	39.58	
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	109.92	48.01	
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	194.85	72.93	
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	260.38	95.90	
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	435.85	113.94	
23 23 16 00-0073		ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)			
		Note: C x C			
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	30.10	14.01	
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	30.58	14.01	
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	30.10	14.01	
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	32.84	14.66	
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	48.68	19.33	
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	49.24	19.86	
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	63.02	24.66	
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	77.21	33.74	
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	100.88	39.58	
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	147.52	48.01	
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	260.59	72.93	
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	333.90	95.90	
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	657.35	113.94	
23 23 16 00-0087		ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)			
		Note: C x C			
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	38.16	14.01	
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	33.90	14.01	
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	37.28	14.01	
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	36.73	14.66	
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	43.94	19.33	
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	48.73	19.86	
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	67.49	24.66	
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	100.20	33.74	
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	125.98	39.58	
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	247.09	48.01	
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	386.62	72.93	
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	511.01	95.90	
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	1,154.46	113.94	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0101		ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058) Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	44.02	14.01
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	38.16	14.01
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	35.66	14.01
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	27.97	14.66
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	54.92	19.33
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	40.10	19.86
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	62.96	24.66
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	85.48	33.74
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	101.41	39.58
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	142.06	48.01
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	258.76	72.93
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	352.36	95.90
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper 45 Degree Elbow	615.14	113.94
23 23 16 00-0115		ACR Wrought Copper Tee (23 23 16 00-0058) Note: C x C x C		
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	53.34	23.35
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	54.37	23.35
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	50.55	23.35
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	49.56	29.46
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	79.55	29.46
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	58.04	29.84
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	100.49	39.58
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	127.50	48.01
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	171.09	56.97
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	247.49	75.91
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	518.06	165.71
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	660.12	182.19
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	1,239.99	202.44
23 23 16 00-0129		ACR Wrought Copper Male Adapter (23 23 16 00-0058) Note: C x M		
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	49.84	14.01
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	59.20	14.01
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	43.64	14.01
23 23 16 00-0133		ACR Wrought Copper Female Adapter (23 23 16 00-0058) Note: C x F		
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	46.16	14.01
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	40.79	14.01
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	42.82	14.01
23 23 16 00-0137		ACR Wrought Copper Cap (23 23 16 00-0058) Note: C		
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	18.46	9.34
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	16.76	9.34
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	18.42	9.34
23 23 16 00-0141		ACR Wrought Copper P-Trap (23 23 16 00-0058)		
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	141.59	11.95
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	197.03	13.14
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	165.19	13.14
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	230.96	14.34
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	404.82	14.34
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	582.46	15.54
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	1,091.31	16.73
23 23 16 00-0149		Sight Glass With Moisture And Liquid Indicator, Solder Connection (23 23 16) Note: C		
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	64.55	17.93
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	78.30	21.51
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	94.52	26.29
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	104.03	29.88
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	140.08	38.24
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	162.24	46.61
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	249.15	54.97
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	307.82	75.29
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	378.02	93.21
23 23 16 00-0159		Filter Driers, Solder Connections (23 23 16)		
23 23 16 00-0160		Replaceable Core Type Filter Driers, Solder Connections (23 23 16 00-0159)		
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	569.34	10.76
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	574.67	13.14
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	734.57	13.14

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	733.85	14.34
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	819.21	15.54
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	925.19	16.73
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,081.68	17.93
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,350.44	17.93

23 23 16 00-0169 Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)

23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	95.27	10.76
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	121.74	10.76
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	155.24	11.95
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	179.40	11.95
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	197.50	11.95
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	226.73	11.95
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	255.32	13.14
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	371.19	13.14
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	404.77	13.14

23 23 16 00-0179 Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)

23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	131.55	10.76
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	147.56	10.76
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	176.37	11.95
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	157.80	10.76
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	197.49	11.95
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	230.36	11.95

23 23 16 00-0186 Refrigerant Compressor Discharge Mufflers (23 23 16)

23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	119.71	10.76
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	132.21	10.76
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	159.24	10.76
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	213.70	13.14
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	279.10	13.14
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	331.76	14.34
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	420.17	15.54
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	764.90	16.73
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	856.92	17.93
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	1,060.87	17.93

23 23 16 00-0197 Expansion Valves And Vibration Absorbers (23 23 16)**23 23 16 00-0198 Thermostatic Expansion Valves (23 23 16 00-0197)**

Note: Outside diameter pipe sizes. Sporlan TP-S.

23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	251.92	10.76
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	350.71	11.95
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	593.83	11.95
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	704.08	13.14
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	763.83	13.14

23 23 16 00-0204 Electric Expansion Valves (23 23 16 00-0197)

Note: Sporlan SEI or SEH.

23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve	616.29	14.93
Note: Sporlan SEI.				
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve	713.23	15.54
Note: Sporlan SEI.				
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve	810.72	16.13
Note: Sporlan SEI.				
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve	953.45	16.13
Note: Sporlan SEH.				
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve	1,073.40	16.73
Note: Sporlan SEH.				

23 23 16 00-0210 Braided Stainless Steel Over Copper Vibration Absorber (23 23 16 00-0197)

23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	66.90	15.54
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	67.75	17.93
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	87.68	22.71
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	94.76	27.48
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	111.74	33.45
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	129.20	38.24
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	183.64	14.34
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	257.71	15.54
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	321.69	15.54
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	438.41	16.73
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	744.63	17.93
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	975.09	17.93

23 23 16 00-0223 Accumulator, Refrigerant Suction Line (23 23 16)

23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line	213.75	54.37
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line	289.77	74.68
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	346.11	99.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 23 16 00-0227	EA		1 3/8" Accumulator, Refrigeration Suction Line	486.58	119.50
23 23 16 00-0228	EA		1-5/8" Accumulator, Refrigeration Suction Line	669.81	149.38
23 23 16 00-0229	EA		2-1/8" Accumulator, Refrigeration Suction Line	1,017.12	199.21

23 23 16 00-0230 Special Chemicals/Component (23 23 16)

23 23 16 00-0231	GAL		Special Chemical, Inhibited Propylene Glycol, 100%	32.00	
23 23 16 00-0232	GAL		Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	9.27	
23 23 16 00-0233	GAL		Special Chemical, Inhibited Ethylene Glycol, 100%.....	22.06	
23 23 16 00-0234	EA		Internal Coil/Refrigerant Piping Flush	364.61	

Note: Up to 10 ton AC system.

23 23 23 Refrigerants (23 23)
23 23 23 00-0001 Refrigerant (23 23 23)

23 23 23 00-0002	LB		R-123 Refrigerant.....	39.57	
23 23 23 00-0003	LB		R-134A Refrigerant.....	14.10	
23 23 23 00-0004	LB		R-404A Refrigerant.....	16.78	
23 23 23 00-0005	LB		R-407C Refrigerant.....	15.09	
23 23 23 00-0006	LB		R-408A Refrigerant.....	34.39	
23 23 23 00-0007	LB		R-410A Refrigerant.....	14.78	
23 23 23 00-0008	LB		R-500 Refrigerant.....	48.35	
23 23 23 00-0009	LB		R-507 Refrigerant.....	9.41	
23 23 23 00-0010	LB		R-32 Refrigerant.....	19.72	
23 23 23 00-0011	LB		R-452A Refrigerant.....	22.06	
23 23 23 00-0012	LB		R-453A Refrigerant.....	25.67	
23 23 23 00-0013	LB		R-454A Refrigerant.....	35.10	
23 23 23 00-0014	LB		R-454B Refrigerant.....	28.14	

23 25 HVAC Water Treatment (23 20)
23 25 13 Water Treatment for Closed-Loop Hydronic Systems (23 25)
23 25 13 00-0001 Polyethylene Chemical Storage Tanks (23 25 13)

23 25 13 00-0002	EA		15 Gallon Chemical Storage Tank, Polyethylene.....	475.98	99.78
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23 25 13 00-0003 Gas Chlorinator (23 25 13)

23 25 13 00-0004	EA		Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,258.18	454.01
			For Booster Pump, Add	502.98	
23 25 13 00-0005	EA		Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,437.54	518.88
			For Booster Pump, Add	574.96	
23 25 13 00-0006	EA		Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,952.38	393.05
			For Booster Pump, Add	697.87	

23 25 13 00-0007 Bypass Shot Feeders (23 25 13)

Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.

23 25 13 00-0008 In Line Mount, 125 PSIG (23 25 13 00-0007)

23 25 13 00-0009	EA		1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	1,170.61	338.18
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23 25 13 00-0010 Floor Mount, 175 PSIG (23 25 13 00-0007)

23 25 13 00-0011	EA		5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,725.90	509.06
23 25 13 00-0012	EA		12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	2,276.78	673.97

23 25 13 00-0013 Floor Mount, 150 Lb. ASME Code (23 25 13 00-0007)

23 25 13 00-0014	EA		5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	1,725.90	509.06
23 25 13 00-0015	EA		10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	2,276.78	673.97

23 25 13 00-0016 Floor Mount, 300 Lb. ASME Code (23 25 13 00-0007)

23 25 13 00-0017	EA		5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,110.61	509.06
23 25 13 00-0018	EA		10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,676.25	673.97

23 30 HVAC Air Distribution (23)
23 31 HVAC Ducts and Casings (23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0423 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts (23 31)
23 31 13 13 Rectangular Metal Ducts (23 31 13)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0001	Steel Sheet Metal Duct ^(23 31 13 13) Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.		
23 31 13 13-0002	Galvanized Steel Sheet Metal Ductwork And Sealant ^(23 31 13 13-0001) Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF		
23 31 13 13-0003	LB Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork For Polyvinyl Chloride (PVC) Coated, Add For Up To 200, Add For >200 To 500, Add For >500 To 1,000, Add For >1,000 To 2,000, Add For >2,000 To 5,000, Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	13.40 0.50 4.77 3.04 2.05 1.15 0.51 3.27 0.65 1.31 1.64 2.29 2.62 3.27 3.60	3.54
23 31 13 13-0004	LB Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork..... For Polyvinyl Chloride (PVC) Coated, Add For Up To 200, Add For >200 To 500, Add For >500 To 1,000, Add For >1,000 To 2,000, Add For >2,000 To 5,000, Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	15.28 0.55 5.41 3.44 2.33 1.30 0.58 3.76 0.75 1.50 1.88 2.63 3.01 3.76 4.13	3.54
23 31 13 13-0005	LB Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork..... For Polyvinyl Chloride (PVC) Coated, Add For Up To 200, Add For >200 To 500, Add For >500 To 1,000, Add For >1,000 To 2,000, Add For >2,000 To 5,000, Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	18.24 0.60 6.37 4.03 2.76 1.55 0.70 4.58 0.92 1.83 2.29 3.20 3.66 4.58 5.03	3.54
23 31 13 13-0006	Alloy 3003-H14, Aluminum Sheet Metal Ductwork ^(23 31 13 13-0001) Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF		
23 31 13 13-0007	LB Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork For Work In Restricted Working Space, Add For Up To 200, Add For >200 To 500, Add For >500 To 1,000, Add For >1,000 To 2,000, Add For >2,000 To 5,000, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	26.14 6.46 9.23 5.86 3.98 2.23 1.00 1.29 2.58 3.23 4.52 5.17 6.46 7.10	3.54
23 31 13 13-0008	LB Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork For Work In Restricted Working Space, Add For Up To 200, Add For >200 To 500, Add For >500 To 1,000, Add For >1,000 To 2,000, Add For >2,000 To 5,000, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	29.62 7.43 10.34 6.55 4.49 2.52 1.14 1.49 2.97 3.71 5.20 5.94 7.43 8.17	3.54

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 13-0009	LB	Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	35.25	3.54
		For Work In Restricted Working Space, Add	9.04	
		For Up To 200, Add	12.11	
		For >200 To 500, Add	7.62	
		For >500 To 1,000, Add	5.29	
		For >1,000 To 2,000, Add	2.97	
		For >2,000 To 5,000, Add	1.36	
		For Elevated Installation >10' To 15', Add	1.81	
		For Elevated Installation >15' To 20', Add	3.62	
		For Elevated Installation >20' To 25', Add	4.52	
		For Elevated Installation >25' To 30', Add	6.33	
		For Elevated Installation >30' To 35', Add	7.23	
		For Elevated Installation >35' To 40', Add	9.04	
		For Elevated Installation >40', Add	9.95	
23 31 13 13-0010		Type 304, Stainless Steel Sheet Metal Ductwork (23 31 13 13-0001)		
		Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF		
23 31 13 13-0011	LB	Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork.....	19.43	4.71
		For Work In Restricted Working Space, Add	3.97	
		For Welded Seams, Add	6.93	
		For Up To 200, Add	7.69	
		For >200 To 500, Add	5.05	
		For >500 To 1,000, Add	3.15	
		For >1,000 To 2,000, Add	1.74	
		For >2,000 To 5,000, Add	0.72	
		For Elevated Installation >10' To 15', Add	0.79	
		For Elevated Installation >15' To 20', Add	1.59	
		For Elevated Installation >20' To 25', Add	1.98	
		For Elevated Installation >25' To 30', Add	2.78	
		For Elevated Installation >30' To 35', Add	3.18	
		For Elevated Installation >35' To 40', Add	3.97	
		For Elevated Installation >40', Add	4.37	
23 31 13 13-0012	LB	Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork.....	22.41	4.71
		For Work In Restricted Working Space, Add	4.79	
		For Welded Seams, Add	8.30	
		For Up To 200, Add	8.66	
		For >200 To 500, Add	5.65	
		For >500 To 1,000, Add	3.59	
		For >1,000 To 2,000, Add	1.99	
		For >2,000 To 5,000, Add	0.83	
		For Elevated Installation >10' To 15', Add	0.96	
		For Elevated Installation >15' To 20', Add	1.92	
		For Elevated Installation >20' To 25', Add	2.39	
		For Elevated Installation >25' To 30', Add	3.35	
		For Elevated Installation >30' To 35', Add	3.83	
		For Elevated Installation >35' To 40', Add	4.79	
		For Elevated Installation >40', Add	5.27	
23 31 13 13-0013	LB	Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork.....	25.22	4.71
		For Work In Restricted Working Space, Add	5.56	
		For Welded Seams, Add	9.60	
		For Up To 200, Add	9.58	
		For >200 To 500, Add	6.21	
		For >500 To 1,000, Add	4.00	
		For >1,000 To 2,000, Add	2.22	
		For >2,000 To 5,000, Add	0.94	
		For Elevated Installation >10' To 15', Add	1.11	
		For Elevated Installation >15' To 20', Add	2.22	
		For Elevated Installation >20' To 25', Add	2.78	
		For Elevated Installation >25' To 30', Add	3.89	
		For Elevated Installation >30' To 35', Add	4.44	
		For Elevated Installation >35' To 40', Add	5.56	
		For Elevated Installation >40', Add	6.11	
23 31 13 13-0014		Galvanized Steel Sheet Metal Ductwork By LF (23 31 13 13-0001)		
		Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45-degree elbows; 3' for 90-degree elbows, transition, taper, register box; 4' for 45-degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90-degree reducing elbow, 135-degree angle gooseneck, boots; and 6' for transition/reducer.		
23 31 13 13-0015		30 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)		
		Note: Seal Class C		
23 31 13 13-0016	LF	4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	14.29	7.27
		For Seal Class B, Add	1.82	
		For Seal Class A, Add	3.88	
		For Work In Restricted Working Space, Add	3.64	
23 31 13 13-0017	LF	4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	17.83	9.10
		For Seal Class B, Add	2.27	
		For Seal Class A, Add	4.85	
		For Work In Restricted Working Space, Add	4.55	
23 31 13 13-0018	LF	4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	21.41	10.92
		For Seal Class B, Add	2.73	
		For Seal Class A, Add	5.82	
		For Work In Restricted Working Space, Add	5.46	
23 31 13 13-0019	LF	4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.97	12.73
		For Seal Class B, Add	3.18	
		For Seal Class A, Add	6.79	
		For Work In Restricted Working Space, Add	6.37	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0020	LF 4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.56	14.55
	For Seal Class B, Add	3.64	
	For Seal Class A, Add	7.76	
	For Work In Restricted Working Space, Add	7.28	
23 31 13 13-0021	LF 4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.11	16.38
	For Seal Class B, Add	4.09	
	For Seal Class A, Add	8.73	
	For Work In Restricted Working Space, Add	8.19	
23 31 13 13-0022	LF 4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.68	18.19
	For Seal Class B, Add	4.55	
	For Seal Class A, Add	9.71	
	For Work In Restricted Working Space, Add	9.10	
23 31 13 13-0023	LF 6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	21.41	10.92
	For Seal Class B, Add	2.73	
	For Seal Class A, Add	5.82	
	For Work In Restricted Working Space, Add	5.46	
23 31 13 13-0024	LF 6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.97	12.73
	For Seal Class B, Add	3.18	
	For Seal Class A, Add	6.79	
	For Work In Restricted Working Space, Add	6.37	
23 31 13 13-0025	LF 6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.56	14.55
	For Seal Class B, Add	3.64	
	For Seal Class A, Add	7.76	
	For Work In Restricted Working Space, Add	7.28	
23 31 13 13-0026	LF 6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.11	16.38
	For Seal Class B, Add	4.09	
	For Seal Class A, Add	8.73	
	For Work In Restricted Working Space, Add	8.19	
23 31 13 13-0027	LF 6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.68	18.19
	For Seal Class B, Add	4.55	
	For Seal Class A, Add	9.71	
	For Work In Restricted Working Space, Add	9.10	
23 31 13 13-0028	LF 6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.26	20.01
	For Seal Class B, Add	5.00	
	For Seal Class A, Add	10.68	
	For Work In Restricted Working Space, Add	10.01	
23 31 13 13-0029	LF 8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.56	14.55
	For Seal Class B, Add	3.64	
	For Seal Class A, Add	7.76	
	For Work In Restricted Working Space, Add	7.28	
23 31 13 13-0030	LF 8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.11	16.38
	For Seal Class B, Add	4.09	
	For Seal Class A, Add	8.73	
	For Work In Restricted Working Space, Add	8.19	
23 31 13 13-0031	LF 8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.68	18.19
	For Seal Class B, Add	4.55	
	For Seal Class A, Add	9.71	
	For Work In Restricted Working Space, Add	9.10	
23 31 13 13-0032	LF 8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.26	20.01
	For Seal Class B, Add	5.00	
	For Seal Class A, Add	10.68	
	For Work In Restricted Working Space, Add	10.01	
23 31 13 13-0033	LF 8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.80	21.83
	For Seal Class B, Add	5.46	
	For Seal Class A, Add	11.64	
	For Work In Restricted Working Space, Add	10.91	
23 31 13 13-0034	LF 8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.39	23.65
	For Seal Class B, Add	5.91	
	For Seal Class A, Add	12.61	
	For Work In Restricted Working Space, Add	11.83	
23 31 13 13-0035	LF 8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.94	25.47
	For Seal Class B, Add	6.37	
	For Seal Class A, Add	13.58	
	For Work In Restricted Working Space, Add	12.74	
23 31 13 13-0036	LF 8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.52	27.29
	For Seal Class B, Add	6.82	
	For Seal Class A, Add	14.55	
	For Work In Restricted Working Space, Add	13.64	
23 31 13 13-0037	LF 8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.08	29.11
	For Seal Class B, Add	7.28	
	For Seal Class A, Add	15.52	
	For Work In Restricted Working Space, Add	14.55	
23 31 13 13-0038	LF 10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.68	18.19
	For Seal Class B, Add	4.55	
	For Seal Class A, Add	9.71	
	For Work In Restricted Working Space, Add	9.10	
23 31 13 13-0039	LF 10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.26	20.01
	For Seal Class B, Add	5.00	
	For Seal Class A, Add	10.68	
	For Work In Restricted Working Space, Add	10.01	
23 31 13 13-0040	LF 10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.80	21.83
	For Seal Class B, Add	5.46	
	For Seal Class A, Add	11.64	
	For Work In Restricted Working Space, Add	10.91	
23 31 13 13-0041	LF 10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.39	23.65
	For Seal Class B, Add	5.91	
	For Seal Class A, Add	12.61	
	For Work In Restricted Working Space, Add	11.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0042	LF	10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.94	25.47
			For Seal Class B, Add	6.37	
			For Seal Class A, Add	13.58	
			For Work In Restricted Working Space, Add	12.74	
23 31 13	13-0043	LF	10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.52	27.29
			For Seal Class B, Add	6.82	
			For Seal Class A, Add	14.55	
			For Work In Restricted Working Space, Add	13.64	
23 31 13	13-0044	LF	10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.08	29.11
			For Seal Class B, Add	7.28	
			For Seal Class A, Add	15.52	
			For Work In Restricted Working Space, Add	14.55	
23 31 13	13-0045	LF	10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.67	30.92
			For Seal Class B, Add	7.73	
			For Seal Class A, Add	16.50	
			For Work In Restricted Working Space, Add	15.47	
23 31 13	13-0046	LF	12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.80	21.83
			For Seal Class B, Add	5.46	
			For Seal Class A, Add	11.64	
			For Work In Restricted Working Space, Add	10.91	
23 31 13	13-0047	LF	12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.39	23.65
			For Seal Class B, Add	5.91	
			For Seal Class A, Add	12.61	
			For Work In Restricted Working Space, Add	11.83	
23 31 13	13-0048	LF	12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.94	25.47
			For Seal Class B, Add	6.37	
			For Seal Class A, Add	13.58	
			For Work In Restricted Working Space, Add	12.74	
23 31 13	13-0049	LF	12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.52	27.29
			For Seal Class B, Add	6.82	
			For Seal Class A, Add	14.55	
			For Work In Restricted Working Space, Add	13.64	
23 31 13	13-0050	LF	12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.08	29.11
			For Seal Class B, Add	7.28	
			For Seal Class A, Add	15.52	
			For Work In Restricted Working Space, Add	14.55	
23 31 13	13-0051	LF	12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.67	30.92
			For Seal Class B, Add	7.73	
			For Seal Class A, Add	16.50	
			For Work In Restricted Working Space, Add	15.47	
23 31 13	13-0052	LF	12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.23	32.75
			For Seal Class B, Add	8.19	
			For Seal Class A, Add	17.47	
			For Work In Restricted Working Space, Add	16.38	
23 31 13	13-0053	LF	14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.94	25.47
			For Seal Class B, Add	6.37	
			For Seal Class A, Add	13.58	
			For Work In Restricted Working Space, Add	12.74	
23 31 13	13-0054	LF	14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.52	27.29
			For Seal Class B, Add	6.82	
			For Seal Class A, Add	14.55	
			For Work In Restricted Working Space, Add	13.64	
23 31 13	13-0055	LF	14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.08	29.11
			For Seal Class B, Add	7.28	
			For Seal Class A, Add	15.52	
			For Work In Restricted Working Space, Add	14.55	
23 31 13	13-0056	LF	14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.67	30.92
			For Seal Class B, Add	7.73	
			For Seal Class A, Add	16.50	
			For Work In Restricted Working Space, Add	15.47	
23 31 13	13-0057	LF	14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.23	32.75
			For Seal Class B, Add	8.19	
			For Seal Class A, Add	17.47	
			For Work In Restricted Working Space, Add	16.38	
23 31 13	13-0058	LF	14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.80	34.57
			For Seal Class B, Add	8.64	
			For Seal Class A, Add	18.44	
			For Work In Restricted Working Space, Add	17.28	
23 31 13	13-0059	LF	16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.08	29.11
			For Seal Class B, Add	7.28	
			For Seal Class A, Add	15.52	
			For Work In Restricted Working Space, Add	14.55	
23 31 13	13-0060	LF	16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.67	30.92
			For Seal Class B, Add	7.73	
			For Seal Class A, Add	16.50	
			For Work In Restricted Working Space, Add	15.47	
23 31 13	13-0061	LF	16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.23	32.75
			For Seal Class B, Add	8.19	
			For Seal Class A, Add	17.47	
			For Work In Restricted Working Space, Add	16.38	
23 31 13	13-0062	LF	16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.80	34.57
			For Seal Class B, Add	8.64	
			For Seal Class A, Add	18.44	
			For Work In Restricted Working Space, Add	17.28	
23 31 13	13-0063	LF	16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.36	36.38
			For Seal Class B, Add	9.10	
			For Seal Class A, Add	19.40	
			For Work In Restricted Working Space, Add	18.19	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-0064	LF	18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.23	32.75	
		For Seal Class B, Add	8.19		
		For Seal Class A, Add	17.47		
		For Work In Restricted Working Space, Add	16.38		
23 31 13 13-0065	LF	18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.80	34.57	
		For Seal Class B, Add	8.64		
		For Seal Class A, Add	18.44		
		For Work In Restricted Working Space, Add	17.28		
23 31 13 13-0066	LF	18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.36	36.38	
		For Seal Class B, Add	9.10		
		For Seal Class A, Add	19.40		
		For Work In Restricted Working Space, Add	18.19		
23 31 13 13-0067	LF	18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.91	38.21	
		For Seal Class B, Add	9.55		
		For Seal Class A, Add	20.37		
		For Work In Restricted Working Space, Add	19.10		
23 31 13 13-0068	LF	20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.36	36.38	
		For Seal Class B, Add	9.10		
		For Seal Class A, Add	19.40		
		For Work In Restricted Working Space, Add	18.19		
23 31 13 13-0069	LF	20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.91	38.21	
		For Seal Class B, Add	9.55		
		For Seal Class A, Add	20.37		
		For Work In Restricted Working Space, Add	19.10		
23 31 13 13-0070	LF	20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.49	40.02	
		For Seal Class B, Add	10.01		
		For Seal Class A, Add	21.34		
		For Work In Restricted Working Space, Add	20.01		
23 31 13 13-0071	LF	22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.49	40.02	
		For Seal Class B, Add	10.01		
		For Seal Class A, Add	21.34		
		For Work In Restricted Working Space, Add	20.01		
23 31 13 13-0072	LF	22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.06	41.84	
		For Seal Class B, Add	10.46		
		For Seal Class A, Add	22.32		
		For Work In Restricted Working Space, Add	20.92		
23 31 13 13-0073	LF	24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.65	43.67	
		For Seal Class B, Add	10.92		
		For Seal Class A, Add	23.29		
		For Work In Restricted Working Space, Add	21.83		
23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)					
Note: Seal Class C					
23 31 13 13-0075	LF	4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	16.98	8.66	
		For Seal Class B, Add	2.17		
		For Seal Class A, Add	4.62		
		For Work In Restricted Working Space, Add	4.33		
23 31 13 13-0076	LF	4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	21.25	10.83	
		For Seal Class B, Add	2.71		
		For Seal Class A, Add	5.78		
		For Work In Restricted Working Space, Add	5.42		
23 31 13 13-0077	LF	4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	25.49	12.99	
		For Seal Class B, Add	3.25		
		For Seal Class A, Add	6.93		
		For Work In Restricted Working Space, Add	6.50		
23 31 13 13-0078	LF	4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.72	15.16	
		For Seal Class B, Add	3.79		
		For Seal Class A, Add	8.09		
		For Work In Restricted Working Space, Add	7.58		
23 31 13 13-0079	LF	4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.99	17.34	
		For Seal Class B, Add	4.33		
		For Seal Class A, Add	9.24		
		For Work In Restricted Working Space, Add	8.66		
23 31 13 13-0080	LF	4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.23	19.49	
		For Seal Class B, Add	4.87		
		For Seal Class A, Add	10.40		
		For Work In Restricted Working Space, Add	9.75		
23 31 13 13-0081	LF	4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.47	21.66	
		For Seal Class B, Add	5.42		
		For Seal Class A, Add	11.55		
		For Work In Restricted Working Space, Add	10.83		
23 31 13 13-0082	LF	6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	25.49	12.99	
		For Seal Class B, Add	3.25		
		For Seal Class A, Add	6.93		
		For Work In Restricted Working Space, Add	6.50		
23 31 13 13-0083	LF	6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.72	15.16	
		For Seal Class B, Add	3.79		
		For Seal Class A, Add	8.09		
		For Work In Restricted Working Space, Add	7.58		
23 31 13 13-0084	LF	6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.99	17.34	
		For Seal Class B, Add	4.33		
		For Seal Class A, Add	9.24		
		For Work In Restricted Working Space, Add	8.66		
23 31 13 13-0085	LF	6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.23	19.49	
		For Seal Class B, Add	4.87		
		For Seal Class A, Add	10.40		
		For Work In Restricted Working Space, Add	9.75		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0086	LF	6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	42.47	21.66
		For Seal Class B, Add	.....	5.42	
		For Seal Class A, Add	.....	11.55	
		For Work In Restricted Working Space, Add	.....	10.83	
23 31 13 13-0087	LF	6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	46.73	23.83
		For Seal Class B, Add	.....	5.96	
		For Seal Class A, Add	.....	12.71	
		For Work In Restricted Working Space, Add	.....	11.91	
23 31 13 13-0088	LF	8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	33.99	17.34
		For Seal Class B, Add	.....	4.33	
		For Seal Class A, Add	.....	9.24	
		For Work In Restricted Working Space, Add	.....	8.66	
23 31 13 13-0089	LF	8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	38.23	19.49
		For Seal Class B, Add	.....	4.87	
		For Seal Class A, Add	.....	10.40	
		For Work In Restricted Working Space, Add	.....	9.75	
23 31 13 13-0090	LF	8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	42.47	21.66
		For Seal Class B, Add	.....	5.42	
		For Seal Class A, Add	.....	11.55	
		For Work In Restricted Working Space, Add	.....	10.83	
23 31 13 13-0091	LF	8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	46.73	23.83
		For Seal Class B, Add	.....	5.96	
		For Seal Class A, Add	.....	12.71	
		For Work In Restricted Working Space, Add	.....	11.91	
23 31 13 13-0092	LF	8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	50.97	25.99
		For Seal Class B, Add	.....	6.50	
		For Seal Class A, Add	.....	13.86	
		For Work In Restricted Working Space, Add	.....	13.00	
23 31 13 13-0093	LF	8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	55.21	28.15
		For Seal Class B, Add	.....	7.04	
		For Seal Class A, Add	.....	15.02	
		For Work In Restricted Working Space, Add	.....	14.08	
23 31 13 13-0094	LF	8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	59.48	30.33
		For Seal Class B, Add	.....	7.58	
		For Seal Class A, Add	.....	16.17	
		For Work In Restricted Working Space, Add	.....	15.16	
23 31 13 13-0095	LF	8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	63.70	32.49
		For Seal Class B, Add	.....	8.12	
		For Seal Class A, Add	.....	17.32	
		For Work In Restricted Working Space, Add	.....	16.24	
23 31 13 13-0096	LF	8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	67.97	34.65
		For Seal Class B, Add	.....	8.66	
		For Seal Class A, Add	.....	18.48	
		For Work In Restricted Working Space, Add	.....	17.33	
23 31 13 13-0097	LF	10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	42.47	21.66
		For Seal Class B, Add	.....	5.42	
		For Seal Class A, Add	.....	11.55	
		For Work In Restricted Working Space, Add	.....	10.83	
23 31 13 13-0098	LF	10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	46.73	23.83
		For Seal Class B, Add	.....	5.96	
		For Seal Class A, Add	.....	12.71	
		For Work In Restricted Working Space, Add	.....	11.91	
23 31 13 13-0099	LF	10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	50.97	25.99
		For Seal Class B, Add	.....	6.50	
		For Seal Class A, Add	.....	13.86	
		For Work In Restricted Working Space, Add	.....	13.00	
23 31 13 13-0100	LF	10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	55.21	28.15
		For Seal Class B, Add	.....	7.04	
		For Seal Class A, Add	.....	15.02	
		For Work In Restricted Working Space, Add	.....	14.08	
23 31 13 13-0101	LF	10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	59.48	30.33
		For Seal Class B, Add	.....	7.58	
		For Seal Class A, Add	.....	16.17	
		For Work In Restricted Working Space, Add	.....	15.16	
23 31 13 13-0102	LF	10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	63.70	32.49
		For Seal Class B, Add	.....	8.12	
		For Seal Class A, Add	.....	17.32	
		For Work In Restricted Working Space, Add	.....	16.24	
23 31 13 13-0103	LF	10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	67.97	34.65
		For Seal Class B, Add	.....	8.66	
		For Seal Class A, Add	.....	18.48	
		For Work In Restricted Working Space, Add	.....	17.33	
23 31 13 13-0104	LF	10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	72.23	36.83
		For Seal Class B, Add	.....	9.21	
		For Seal Class A, Add	.....	19.64	
		For Work In Restricted Working Space, Add	.....	18.41	
23 31 13 13-0105	LF	12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	50.97	25.99
		For Seal Class B, Add	.....	6.50	
		For Seal Class A, Add	.....	13.86	
		For Work In Restricted Working Space, Add	.....	13.00	
23 31 13 13-0106	LF	12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	55.21	28.15
		For Seal Class B, Add	.....	7.04	
		For Seal Class A, Add	.....	15.02	
		For Work In Restricted Working Space, Add	.....	14.08	
23 31 13 13-0107	LF	12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	59.48	30.33
		For Seal Class B, Add	.....	7.58	
		For Seal Class A, Add	.....	16.17	
		For Work In Restricted Working Space, Add	.....	15.16	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0108	LF	12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.70	32.49
		For Seal Class B, Add	8.12	
		For Seal Class A, Add	17.32	
		For Work In Restricted Working Space, Add	16.24	
23 31 13 13-0109	LF	12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.97	34.65
		For Seal Class B, Add	8.66	
		For Seal Class A, Add	18.48	
		For Work In Restricted Working Space, Add	17.33	
23 31 13 13-0110	LF	12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.23	36.83
		For Seal Class B, Add	9.21	
		For Seal Class A, Add	19.64	
		For Work In Restricted Working Space, Add	18.41	
23 31 13 13-0111	LF	12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.46	38.98
		For Seal Class B, Add	9.75	
		For Seal Class A, Add	20.79	
		For Work In Restricted Working Space, Add	19.49	
23 31 13 13-0112	LF	14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.48	30.33
		For Seal Class B, Add	7.58	
		For Seal Class A, Add	16.17	
		For Work In Restricted Working Space, Add	15.16	
23 31 13 13-0113	LF	14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.70	32.49
		For Seal Class B, Add	8.12	
		For Seal Class A, Add	17.32	
		For Work In Restricted Working Space, Add	16.24	
23 31 13 13-0114	LF	14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.97	34.65
		For Seal Class B, Add	8.66	
		For Seal Class A, Add	18.48	
		For Work In Restricted Working Space, Add	17.33	
23 31 13 13-0115	LF	14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.23	36.83
		For Seal Class B, Add	9.21	
		For Seal Class A, Add	19.64	
		For Work In Restricted Working Space, Add	18.41	
23 31 13 13-0116	LF	14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.46	38.98
		For Seal Class B, Add	9.75	
		For Seal Class A, Add	20.79	
		For Work In Restricted Working Space, Add	19.49	
23 31 13 13-0117	LF	14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.72	41.15
		For Seal Class B, Add	10.29	
		For Seal Class A, Add	21.95	
		For Work In Restricted Working Space, Add	20.58	
23 31 13 13-0118	LF	16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.97	34.65
		For Seal Class B, Add	8.66	
		For Seal Class A, Add	18.48	
		For Work In Restricted Working Space, Add	17.33	
23 31 13 13-0119	LF	16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.23	36.83
		For Seal Class B, Add	9.21	
		For Seal Class A, Add	19.64	
		For Work In Restricted Working Space, Add	18.41	
23 31 13 13-0120	LF	16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.46	38.98
		For Seal Class B, Add	9.75	
		For Seal Class A, Add	20.79	
		For Work In Restricted Working Space, Add	19.49	
23 31 13 13-0121	LF	16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.72	41.15
		For Seal Class B, Add	10.29	
		For Seal Class A, Add	21.95	
		For Work In Restricted Working Space, Add	20.58	
23 31 13 13-0122	LF	16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.95	43.32
		For Seal Class B, Add	10.83	
		For Seal Class A, Add	23.10	
		For Work In Restricted Working Space, Add	21.66	
23 31 13 13-0123	LF	18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.46	38.98
		For Seal Class B, Add	9.75	
		For Seal Class A, Add	20.79	
		For Work In Restricted Working Space, Add	19.49	
23 31 13 13-0124	LF	18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.72	41.15
		For Seal Class B, Add	10.29	
		For Seal Class A, Add	21.95	
		For Work In Restricted Working Space, Add	20.58	
23 31 13 13-0125	LF	18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.95	43.32
		For Seal Class B, Add	10.83	
		For Seal Class A, Add	23.10	
		For Work In Restricted Working Space, Add	21.66	
23 31 13 13-0126	LF	18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.20	45.49
		For Seal Class B, Add	11.37	
		For Seal Class A, Add	24.26	
		For Work In Restricted Working Space, Add	22.74	
23 31 13 13-0127	LF	20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.95	43.32
		For Seal Class B, Add	10.83	
		For Seal Class A, Add	23.10	
		For Work In Restricted Working Space, Add	21.66	
23 31 13 13-0128	LF	20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.20	45.49
		For Seal Class B, Add	11.37	
		For Seal Class A, Add	24.26	
		For Work In Restricted Working Space, Add	22.74	
23 31 13 13-0129	LF	20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.46	47.65
		For Seal Class B, Add	11.91	
		For Seal Class A, Add	25.41	
		For Work In Restricted Working Space, Add	23.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0130	LF	22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.46	47.65	
		For Seal Class B, Add	11.91		
		For Seal Class A, Add	25.41		
		For Work In Restricted Working Space, Add	23.83		
23 31 13 13-0131	LF	22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.69	49.82	
		For Seal Class B, Add	12.45		
		For Seal Class A, Add	26.57		
		For Work In Restricted Working Space, Add	24.91		
23 31 13 13-0132	LF	24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.94	51.99	
		For Seal Class B, Add	13.00		
		For Seal Class A, Add	27.72		
		For Work In Restricted Working Space, Add	25.99		
23 31 13 13-0133 26 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)					
Note: Seal Class C					
23 31 13 13-0134	LF	4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	19.71	10.04	
		For Seal Class B, Add	2.51		
		For Seal Class A, Add	5.36		
		For Work In Restricted Working Space, Add	5.03		
23 31 13 13-0135	LF	4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	24.64	12.56	
		For Seal Class B, Add	3.14		
		For Seal Class A, Add	6.70		
		For Work In Restricted Working Space, Add	6.28		
23 31 13 13-0136	LF	4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.56	15.08	
		For Seal Class B, Add	3.77		
		For Seal Class A, Add	8.04		
		For Work In Restricted Working Space, Add	7.54		
23 31 13 13-0137	LF	4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.49	17.59	
		For Seal Class B, Add	4.40		
		For Seal Class A, Add	9.38		
		For Work In Restricted Working Space, Add	8.79		
23 31 13 13-0138	LF	4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.42	20.11	
		For Seal Class B, Add	5.03		
		For Seal Class A, Add	10.72		
		For Work In Restricted Working Space, Add	10.05		
23 31 13 13-0139	LF	4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.34	22.61	
		For Seal Class B, Add	5.65		
		For Seal Class A, Add	12.06		
		For Work In Restricted Working Space, Add	11.30		
23 31 13 13-0140	LF	4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.27	25.12	
		For Seal Class B, Add	6.28		
		For Seal Class A, Add	13.40		
		For Work In Restricted Working Space, Add	12.56		
23 31 13 13-0141	LF	6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.56	15.08	
		For Seal Class B, Add	3.77		
		For Seal Class A, Add	8.04		
		For Work In Restricted Working Space, Add	7.54		
23 31 13 13-0142	LF	6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.49	17.59	
		For Seal Class B, Add	4.40		
		For Seal Class A, Add	9.38		
		For Work In Restricted Working Space, Add	8.79		
23 31 13 13-0143	LF	6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.42	20.11	
		For Seal Class B, Add	5.03		
		For Seal Class A, Add	10.72		
		For Work In Restricted Working Space, Add	10.05		
23 31 13 13-0144	LF	6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.34	22.61	
		For Seal Class B, Add	5.65		
		For Seal Class A, Add	12.06		
		For Work In Restricted Working Space, Add	11.30		
23 31 13 13-0145	LF	6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.27	25.12	
		For Seal Class B, Add	6.28		
		For Seal Class A, Add	13.40		
		For Work In Restricted Working Space, Add	12.56		
23 31 13 13-0146	LF	6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.21	27.64	
		For Seal Class B, Add	6.91		
		For Seal Class A, Add	14.74		
		For Work In Restricted Working Space, Add	13.82		
23 31 13 13-0147	LF	8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.42	20.11	
		For Seal Class B, Add	5.03		
		For Seal Class A, Add	10.72		
		For Work In Restricted Working Space, Add	10.05		
23 31 13 13-0148	LF	8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.34	22.61	
		For Seal Class B, Add	5.65		
		For Seal Class A, Add	12.06		
		For Work In Restricted Working Space, Add	11.30		
23 31 13 13-0149	LF	8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.28	25.12	
		For Seal Class B, Add	6.28		
		For Seal Class A, Add	13.40		
		For Work In Restricted Working Space, Add	12.56		
23 31 13 13-0150	LF	8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.21	27.64	
		For Seal Class B, Add	6.91		
		For Seal Class A, Add	14.74		
		For Work In Restricted Working Space, Add	13.82		
23 31 13 13-0151	LF	8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.14	30.15	
		For Seal Class B, Add	7.54		
		For Seal Class A, Add	16.08		
		For Work In Restricted Working Space, Add	15.08		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-0152	LF	8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.06		32.66
		For Seal Class B, Add	8.17		
		For Seal Class A, Add	17.42		
		For Work In Restricted Working Space, Add	16.33		
23 31 13 13-0153	LF	8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.98		35.18
		For Seal Class B, Add	8.79		
		For Seal Class A, Add	18.76		
		For Work In Restricted Working Space, Add	17.59		
23 31 13 13-0154	LF	8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.93		37.68
		For Seal Class B, Add	9.42		
		For Seal Class A, Add	20.10		
		For Work In Restricted Working Space, Add	18.85		
23 31 13 13-0155	LF	8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84		40.19
		For Seal Class B, Add	10.05		
		For Seal Class A, Add	21.44		
		For Work In Restricted Working Space, Add	20.10		
23 31 13 13-0156	LF	10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	49.28		25.12
		For Seal Class B, Add	6.28		
		For Seal Class A, Add	13.40		
		For Work In Restricted Working Space, Add	12.56		
23 31 13 13-0157	LF	10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.20		27.64
		For Seal Class B, Add	6.91		
		For Seal Class A, Add	14.74		
		For Work In Restricted Working Space, Add	13.82		
23 31 13 13-0158	LF	10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.14		30.15
		For Seal Class B, Add	7.54		
		For Seal Class A, Add	16.08		
		For Work In Restricted Working Space, Add	15.08		
23 31 13 13-0159	LF	10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.06		32.66
		For Seal Class B, Add	8.17		
		For Seal Class A, Add	17.42		
		For Work In Restricted Working Space, Add	16.33		
23 31 13 13-0160	LF	10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.98		35.18
		For Seal Class B, Add	8.79		
		For Seal Class A, Add	18.76		
		For Work In Restricted Working Space, Add	17.59		
23 31 13 13-0161	LF	10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.93		37.68
		For Seal Class B, Add	9.42		
		For Seal Class A, Add	20.10		
		For Work In Restricted Working Space, Add	18.85		
23 31 13 13-0162	LF	10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84		40.19
		For Seal Class B, Add	10.05		
		For Seal Class A, Add	21.44		
		For Work In Restricted Working Space, Add	20.10		
23 31 13 13-0163	LF	10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.78		42.72
		For Seal Class B, Add	10.68		
		For Seal Class A, Add	22.78		
		For Work In Restricted Working Space, Add	21.36		
23 31 13 13-0164	LF	12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.14		30.15
		For Seal Class B, Add	7.54		
		For Seal Class A, Add	16.08		
		For Work In Restricted Working Space, Add	15.08		
23 31 13 13-0165	LF	12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.06		32.66
		For Seal Class B, Add	8.17		
		For Seal Class A, Add	17.42		
		For Work In Restricted Working Space, Add	16.33		
23 31 13 13-0166	LF	12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.98		35.18
		For Seal Class B, Add	8.79		
		For Seal Class A, Add	18.76		
		For Work In Restricted Working Space, Add	17.59		
23 31 13 13-0167	LF	12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.93		37.68
		For Seal Class B, Add	9.42		
		For Seal Class A, Add	20.10		
		For Work In Restricted Working Space, Add	18.85		
23 31 13 13-0168	LF	12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84		40.19
		For Seal Class B, Add	10.05		
		For Seal Class A, Add	21.44		
		For Work In Restricted Working Space, Add	20.10		
23 31 13 13-0169	LF	12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.78		42.72
		For Seal Class B, Add	10.68		
		For Seal Class A, Add	22.78		
		For Work In Restricted Working Space, Add	21.36		
23 31 13 13-0170	LF	12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.69		45.23
		For Seal Class B, Add	11.31		
		For Seal Class A, Add	24.12		
		For Work In Restricted Working Space, Add	22.61		
23 31 13 13-0171	LF	14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.98		35.18
		For Seal Class B, Add	8.79		
		For Seal Class A, Add	18.76		
		For Work In Restricted Working Space, Add	17.59		
23 31 13 13-0172	LF	14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.93		37.68
		For Seal Class B, Add	9.42		
		For Seal Class A, Add	20.10		
		For Work In Restricted Working Space, Add	18.85		
23 31 13 13-0173	LF	14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84		40.19
		For Seal Class B, Add	10.05		
		For Seal Class A, Add	21.44		
		For Work In Restricted Working Space, Add	20.10		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0174	LF	14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.78	42.72
		For Seal Class B, Add	10.68	
		For Seal Class A, Add	22.78	
		For Work In Restricted Working Space, Add	21.36	
23 31 13 13-0175	LF	14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.69	45.23
		For Seal Class B, Add	11.31	
		For Seal Class A, Add	24.12	
		For Work In Restricted Working Space, Add	22.61	
23 31 13 13-0176	LF	14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.64	47.75
		For Seal Class B, Add	11.94	
		For Seal Class A, Add	25.46	
		For Work In Restricted Working Space, Add	23.87	
23 31 13 13-0177	LF	16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.84	40.19
		For Seal Class B, Add	10.05	
		For Seal Class A, Add	21.44	
		For Work In Restricted Working Space, Add	20.10	
23 31 13 13-0178	LF	16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.78	42.72
		For Seal Class B, Add	10.68	
		For Seal Class A, Add	22.78	
		For Work In Restricted Working Space, Add	21.36	
23 31 13 13-0179	LF	16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.69	45.23
		For Seal Class B, Add	11.31	
		For Seal Class A, Add	24.12	
		For Work In Restricted Working Space, Add	22.61	
23 31 13 13-0180	LF	16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.64	47.75
		For Seal Class B, Add	11.94	
		For Seal Class A, Add	25.46	
		For Work In Restricted Working Space, Add	23.87	
23 31 13 13-0181	LF	16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.56	50.26
		For Seal Class B, Add	12.56	
		For Seal Class A, Add	26.80	
		For Work In Restricted Working Space, Add	25.13	
23 31 13 13-0182	LF	18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	88.69	45.23
		For Seal Class B, Add	11.31	
		For Seal Class A, Add	24.12	
		For Work In Restricted Working Space, Add	22.61	
23 31 13 13-0183	LF	18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.64	47.75
		For Seal Class B, Add	11.94	
		For Seal Class A, Add	25.46	
		For Work In Restricted Working Space, Add	23.87	
23 31 13 13-0184	LF	18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.56	50.26
		For Seal Class B, Add	12.56	
		For Seal Class A, Add	26.80	
		For Work In Restricted Working Space, Add	25.13	
23 31 13 13-0185	LF	18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.48	52.76
		For Seal Class B, Add	13.19	
		For Seal Class A, Add	28.14	
		For Work In Restricted Working Space, Add	26.38	
23 31 13 13-0186	LF	20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.56	50.26
		For Seal Class B, Add	12.56	
		For Seal Class A, Add	26.80	
		For Work In Restricted Working Space, Add	25.13	
23 31 13 13-0187	LF	20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	103.48	52.76
		For Seal Class B, Add	13.19	
		For Seal Class A, Add	28.14	
		For Work In Restricted Working Space, Add	26.38	
23 31 13 13-0188	LF	20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.40	55.28
		For Seal Class B, Add	13.82	
		For Seal Class A, Add	29.48	
		For Work In Restricted Working Space, Add	27.64	
23 31 13 13-0189	LF	22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.40	55.28
		For Seal Class B, Add	13.82	
		For Seal Class A, Add	29.48	
		For Work In Restricted Working Space, Add	27.64	
23 31 13 13-0190	LF	22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	113.34	57.79
		For Seal Class B, Add	14.45	
		For Seal Class A, Add	30.82	
		For Work In Restricted Working Space, Add	28.89	
23 31 13 13-0191	LF	24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.28	60.30
		For Seal Class B, Add	15.08	
		For Seal Class A, Add	32.16	
		For Work In Restricted Working Space, Add	30.15	
23 31 13 13-0192		24 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014) Note: Seal Class C		
23 31 13 13-0193	LF	4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	29.78	15.60
		For Seal Class B, Add	3.90	
		For Seal Class A, Add	8.32	
		For Work In Restricted Working Space, Add	7.80	
23 31 13 13-0194	LF	4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	37.22	19.49
		For Seal Class B, Add	4.88	
		For Seal Class A, Add	10.40	
		For Work In Restricted Working Space, Add	9.75	
23 31 13 13-0195	LF	4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.66	23.39
		For Seal Class B, Add	5.85	
		For Seal Class A, Add	12.48	
		For Work In Restricted Working Space, Add	11.70	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0196	LF	4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.10	27.30
		For Seal Class B, Add	6.82	
		For Seal Class A, Add	14.56	
		For Work In Restricted Working Space, Add	13.65	
23 31 13 13-0197	LF	4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.54	31.20
		For Seal Class B, Add	7.80	
		For Seal Class A, Add	16.64	
		For Work In Restricted Working Space, Add	15.60	
23 31 13 13-0198	LF	4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.99	35.10
		For Seal Class B, Add	8.77	
		For Seal Class A, Add	18.72	
		For Work In Restricted Working Space, Add	17.55	
23 31 13 13-0199	LF	4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.43	38.99
		For Seal Class B, Add	9.75	
		For Seal Class A, Add	20.80	
		For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0200	LF	6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	44.66	23.39
		For Seal Class B, Add	5.85	
		For Seal Class A, Add	12.48	
		For Work In Restricted Working Space, Add	11.70	
23 31 13 13-0201	LF	6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	52.10	27.30
		For Seal Class B, Add	6.82	
		For Seal Class A, Add	14.56	
		For Work In Restricted Working Space, Add	13.65	
23 31 13 13-0202	LF	6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.54	31.20
		For Seal Class B, Add	7.80	
		For Seal Class A, Add	16.64	
		For Work In Restricted Working Space, Add	15.60	
23 31 13 13-0203	LF	6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.99	35.10
		For Seal Class B, Add	8.77	
		For Seal Class A, Add	18.72	
		For Work In Restricted Working Space, Add	17.55	
23 31 13 13-0204	LF	6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.43	38.99
		For Seal Class B, Add	9.75	
		For Seal Class A, Add	20.80	
		For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0205	LF	6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.88	42.90
		For Seal Class B, Add	10.72	
		For Seal Class A, Add	22.88	
		For Work In Restricted Working Space, Add	21.45	
23 31 13 13-0206	LF	8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.54	31.20
		For Seal Class B, Add	7.80	
		For Seal Class A, Add	16.64	
		For Work In Restricted Working Space, Add	15.60	
23 31 13 13-0207	LF	8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.99	35.10
		For Seal Class B, Add	8.77	
		For Seal Class A, Add	18.72	
		For Work In Restricted Working Space, Add	17.55	
23 31 13 13-0208	LF	8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.43	38.99
		For Seal Class B, Add	9.75	
		For Seal Class A, Add	20.80	
		For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0209	LF	8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.88	42.90
		For Seal Class B, Add	10.72	
		For Seal Class A, Add	22.88	
		For Work In Restricted Working Space, Add	21.45	
23 31 13 13-0210	LF	8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.32	46.79
		For Seal Class B, Add	11.70	
		For Seal Class A, Add	24.96	
		For Work In Restricted Working Space, Add	23.40	
23 31 13 13-0211	LF	8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.75	50.69
		For Seal Class B, Add	12.67	
		For Seal Class A, Add	27.03	
		For Work In Restricted Working Space, Add	25.34	
23 31 13 13-0212	LF	8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.20	54.60
		For Seal Class B, Add	13.65	
		For Seal Class A, Add	29.11	
		For Work In Restricted Working Space, Add	27.29	
23 31 13 13-0213	LF	8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.64	58.49
		For Seal Class B, Add	14.62	
		For Seal Class A, Add	31.19	
		For Work In Restricted Working Space, Add	29.24	
23 31 13 13-0214	LF	8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.09	62.38
		For Seal Class B, Add	15.60	
		For Seal Class A, Add	33.27	
		For Work In Restricted Working Space, Add	31.19	
23 31 13 13-0215	LF	10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	74.43	38.99
		For Seal Class B, Add	9.75	
		For Seal Class A, Add	20.80	
		For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0216	LF	10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.88	42.90
		For Seal Class B, Add	10.72	
		For Seal Class A, Add	22.88	
		For Work In Restricted Working Space, Add	21.45	
23 31 13 13-0217	LF	10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.32	46.79
		For Seal Class B, Add	11.70	
		For Seal Class A, Add	24.96	
		For Work In Restricted Working Space, Add	23.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0218	LF	10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.75	50.69
			For Seal Class B, Add	12.67	
			For Seal Class A, Add	27.03	
			For Work In Restricted Working Space, Add	25.34	
23 31 13	13-0219	LF	10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.20	54.60
			For Seal Class B, Add	13.65	
			For Seal Class A, Add	29.11	
			For Work In Restricted Working Space, Add	27.29	
23 31 13	13-0220	LF	10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.64	58.49
			For Seal Class B, Add	14.62	
			For Seal Class A, Add	31.19	
			For Work In Restricted Working Space, Add	29.24	
23 31 13	13-0221	LF	10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.09	62.38
			For Seal Class B, Add	15.60	
			For Seal Class A, Add	33.27	
			For Work In Restricted Working Space, Add	31.19	
23 31 13	13-0222	LF	10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.53	66.29
			For Seal Class B, Add	16.57	
			For Seal Class A, Add	35.35	
			For Work In Restricted Working Space, Add	33.14	
23 31 13	13-0223	LF	10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.98	70.18
			For Seal Class B, Add	17.55	
			For Seal Class A, Add	37.43	
			For Work In Restricted Working Space, Add	35.09	
23 31 13	13-0224	LF	10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.42	74.09
			For Seal Class B, Add	18.52	
			For Seal Class A, Add	39.51	
			For Work In Restricted Working Space, Add	37.04	
23 31 13	13-0225	LF	10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	77.99
			For Seal Class B, Add	19.50	
			For Seal Class A, Add	41.59	
			For Work In Restricted Working Space, Add	38.99	
23 31 13	13-0226	LF	12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	89.32	46.79
			For Seal Class B, Add	11.70	
			For Seal Class A, Add	24.96	
			For Work In Restricted Working Space, Add	23.40	
23 31 13	13-0227	LF	12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.75	50.69
			For Seal Class B, Add	12.67	
			For Seal Class A, Add	27.03	
			For Work In Restricted Working Space, Add	25.34	
23 31 13	13-0228	LF	12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.20	54.60
			For Seal Class B, Add	13.65	
			For Seal Class A, Add	29.11	
			For Work In Restricted Working Space, Add	27.29	
23 31 13	13-0229	LF	12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.64	58.49
			For Seal Class B, Add	14.62	
			For Seal Class A, Add	31.19	
			For Work In Restricted Working Space, Add	29.24	
23 31 13	13-0230	LF	12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.09	62.38
			For Seal Class B, Add	15.60	
			For Seal Class A, Add	33.27	
			For Work In Restricted Working Space, Add	31.19	
23 31 13	13-0231	LF	12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.53	66.29
			For Seal Class B, Add	16.57	
			For Seal Class A, Add	35.35	
			For Work In Restricted Working Space, Add	33.14	
23 31 13	13-0232	LF	12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.98	70.18
			For Seal Class B, Add	17.55	
			For Seal Class A, Add	37.43	
			For Work In Restricted Working Space, Add	35.09	
23 31 13	13-0233	LF	12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.42	74.09
			For Seal Class B, Add	18.52	
			For Seal Class A, Add	39.51	
			For Work In Restricted Working Space, Add	37.04	
23 31 13	13-0234	LF	12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85	77.99
			For Seal Class B, Add	19.50	
			For Seal Class A, Add	41.59	
			For Work In Restricted Working Space, Add	38.99	
23 31 13	13-0235	LF	12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.30	81.90
			For Seal Class B, Add	20.47	
			For Seal Class A, Add	43.67	
			For Work In Restricted Working Space, Add	40.94	
23 31 13	13-0236	LF	14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.20	54.60
			For Seal Class B, Add	13.65	
			For Seal Class A, Add	29.11	
			For Work In Restricted Working Space, Add	27.29	
23 31 13	13-0237	LF	14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.64	58.49
			For Seal Class B, Add	14.62	
			For Seal Class A, Add	31.19	
			For Work In Restricted Working Space, Add	29.24	
23 31 13	13-0238	LF	14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.09	62.38
			For Seal Class B, Add	15.60	
			For Seal Class A, Add	33.27	
			For Work In Restricted Working Space, Add	31.19	
23 31 13	13-0239	LF	14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.53	66.29
			For Seal Class B, Add	16.57	
			For Seal Class A, Add	35.35	
			For Work In Restricted Working Space, Add	33.14	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-0240	LF	14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.98		70.18
		For Seal Class B, Add	17.55		
		For Seal Class A, Add	37.43		
		For Work In Restricted Working Space, Add	35.09		
23 31 13 13-0241	LF	14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.42		74.09
		For Seal Class B, Add	18.52		
		For Seal Class A, Add	39.51		
		For Work In Restricted Working Space, Add	37.04		
23 31 13 13-0242	LF	14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85		77.99
		For Seal Class B, Add	19.50		
		For Seal Class A, Add	41.59		
		For Work In Restricted Working Space, Add	38.99		
23 31 13 13-0243	LF	14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.30		81.90
		For Seal Class B, Add	20.47		
		For Seal Class A, Add	43.67		
		For Work In Restricted Working Space, Add	40.94		
23 31 13 13-0244	LF	14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.74		85.78
		For Seal Class B, Add	21.45		
		For Seal Class A, Add	45.75		
		For Work In Restricted Working Space, Add	42.89		
23 31 13 13-0245	LF	16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	119.09		62.38
		For Seal Class B, Add	15.60		
		For Seal Class A, Add	33.27		
		For Work In Restricted Working Space, Add	31.19		
23 31 13 13-0246	LF	16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.53		66.29
		For Seal Class B, Add	16.57		
		For Seal Class A, Add	35.35		
		For Work In Restricted Working Space, Add	33.14		
23 31 13 13-0247	LF	16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.98		70.18
		For Seal Class B, Add	17.55		
		For Seal Class A, Add	37.43		
		For Work In Restricted Working Space, Add	35.09		
23 31 13 13-0248	LF	16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.42		74.09
		For Seal Class B, Add	18.52		
		For Seal Class A, Add	39.51		
		For Work In Restricted Working Space, Add	37.04		
23 31 13 13-0249	LF	16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85		77.99
		For Seal Class B, Add	19.50		
		For Seal Class A, Add	41.59		
		For Work In Restricted Working Space, Add	38.99		
23 31 13 13-0250	LF	16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.30		81.90
		For Seal Class B, Add	20.47		
		For Seal Class A, Add	43.67		
		For Work In Restricted Working Space, Add	40.94		
23 31 13 13-0251	LF	16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.74		85.78
		For Seal Class B, Add	21.45		
		For Seal Class A, Add	45.75		
		For Work In Restricted Working Space, Add	42.89		
23 31 13 13-0252	LF	16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.19		89.68
		For Seal Class B, Add	22.42		
		For Seal Class A, Add	47.83		
		For Work In Restricted Working Space, Add	44.84		
23 31 13 13-0253	LF	18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	133.98		70.18
		For Seal Class B, Add	17.55		
		For Seal Class A, Add	37.43		
		For Work In Restricted Working Space, Add	35.09		
23 31 13 13-0254	LF	18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	141.42		74.09
		For Seal Class B, Add	18.52		
		For Seal Class A, Add	39.51		
		For Work In Restricted Working Space, Add	37.04		
23 31 13 13-0255	LF	18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85		77.99
		For Seal Class B, Add	19.50		
		For Seal Class A, Add	41.59		
		For Work In Restricted Working Space, Add	38.99		
23 31 13 13-0256	LF	18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.30		81.90
		For Seal Class B, Add	20.47		
		For Seal Class A, Add	43.67		
		For Work In Restricted Working Space, Add	40.94		
23 31 13 13-0257	LF	18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.74		85.78
		For Seal Class B, Add	21.45		
		For Seal Class A, Add	45.75		
		For Work In Restricted Working Space, Add	42.89		
23 31 13 13-0258	LF	18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.19		89.68
		For Seal Class B, Add	22.42		
		For Seal Class A, Add	47.83		
		For Work In Restricted Working Space, Add	44.84		
23 31 13 13-0259	LF	18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.63		93.59
		For Seal Class B, Add	23.40		
		For Seal Class A, Add	49.91		
		For Work In Restricted Working Space, Add	46.79		
23 31 13 13-0260	LF	20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	148.85		77.99
		For Seal Class B, Add	19.50		
		For Seal Class A, Add	41.59		
		For Work In Restricted Working Space, Add	38.99		
23 31 13 13-0261	LF	20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	156.30		81.90
		For Seal Class B, Add	20.47		
		For Seal Class A, Add	43.67		
		For Work In Restricted Working Space, Add	40.94		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0262	LF	20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.74	85.78	
		For Seal Class B, Add	21.45		
		For Seal Class A, Add	45.75		
		For Work In Restricted Working Space, Add	42.89		
23 31 13 13-0263	LF	20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.19	89.68	
		For Seal Class B, Add	22.42		
		For Seal Class A, Add	47.83		
		For Work In Restricted Working Space, Add	44.84		
23 31 13 13-0264	LF	20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.63	93.59	
		For Seal Class B, Add	23.40		
		For Seal Class A, Add	49.91		
		For Work In Restricted Working Space, Add	46.79		
23 31 13 13-0265	LF	20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.07	97.48	
		For Seal Class B, Add	24.37		
		For Seal Class A, Add	51.99		
		For Work In Restricted Working Space, Add	48.74		
23 31 13 13-0266	LF	22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	163.74	85.78	
		For Seal Class B, Add	21.45		
		For Seal Class A, Add	45.75		
		For Work In Restricted Working Space, Add	42.89		
23 31 13 13-0267	LF	22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.19	89.68	
		For Seal Class B, Add	22.42		
		For Seal Class A, Add	47.83		
		For Work In Restricted Working Space, Add	44.84		
23 31 13 13-0268	LF	22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.63	93.59	
		For Seal Class B, Add	23.40		
		For Seal Class A, Add	49.91		
		For Work In Restricted Working Space, Add	46.79		
23 31 13 13-0269	LF	22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.07	97.48	
		For Seal Class B, Add	24.37		
		For Seal Class A, Add	51.99		
		For Work In Restricted Working Space, Add	48.74		
23 31 13 13-0270	LF	22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.52	101.39	
		For Seal Class B, Add	25.35		
		For Seal Class A, Add	54.07		
		For Work In Restricted Working Space, Add	50.69		
23 31 13 13-0271	LF	24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.63	93.59	
		For Seal Class B, Add	23.40		
		For Seal Class A, Add	49.91		
		For Work In Restricted Working Space, Add	46.79		
23 31 13 13-0272	LF	24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.07	97.48	
		For Seal Class B, Add	24.37		
		For Seal Class A, Add	51.99		
		For Work In Restricted Working Space, Add	48.74		
23 31 13 13-0273	LF	24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.52	101.39	
		For Seal Class B, Add	25.35		
		For Seal Class A, Add	54.07		
		For Work In Restricted Working Space, Add	50.69		
23 31 13 13-0274	LF	24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.96	105.29	
		For Seal Class B, Add	26.32		
		For Seal Class A, Add	56.15		
		For Work In Restricted Working Space, Add	52.64		
23 31 13 13-0275	LF	26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.52	101.39	
		For Seal Class B, Add	25.35		
		For Seal Class A, Add	54.07		
		For Work In Restricted Working Space, Add	50.69		
23 31 13 13-0276	LF	26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.96	105.29	
		For Seal Class B, Add	26.32		
		For Seal Class A, Add	56.15		
		For Work In Restricted Working Space, Add	52.64		
23 31 13 13-0277	LF	26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	208.40	109.17	
		For Seal Class B, Add	27.29		
		For Seal Class A, Add	58.23		
		For Work In Restricted Working Space, Add	54.59		
23 31 13 13-0278	LF	28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	208.40	109.17	
		For Seal Class B, Add	27.29		
		For Seal Class A, Add	58.23		
		For Work In Restricted Working Space, Add	54.59		
23 31 13 13-0279	LF	28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	215.84	113.08	
		For Seal Class B, Add	28.27		
		For Seal Class A, Add	60.31		
		For Work In Restricted Working Space, Add	56.54		
23 31 13 13-0280	LF	30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	223.30	116.98	
		For Seal Class B, Add	29.25		
		For Seal Class A, Add	62.39		
		For Work In Restricted Working Space, Add	58.49		
23 31 13 13-0281		22 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)			
		Note: Seal Class C			
23 31 13 13-0282	LF	4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.59	15.60	
		For Seal Class B, Add	3.90		
		For Seal Class A, Add	8.32		
		For Work In Restricted Working Space, Add	7.80		
23 31 13 13-0283	LF	4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	38.24	19.49	
		For Seal Class B, Add	4.88		
		For Seal Class A, Add	10.40		
		For Work In Restricted Working Space, Add	9.75		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0284	LF 4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.88	23.39
	For Seal Class B, Add	5.85	
	For Seal Class A, Add	12.48	
	For Work In Restricted Working Space, Add	11.70	
23 31 13 13-0285	LF 4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.53	27.30
	For Seal Class B, Add	6.82	
	For Seal Class A, Add	14.56	
	For Work In Restricted Working Space, Add	13.65	
23 31 13 13-0286	LF 4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.18	31.20
	For Seal Class B, Add	7.80	
	For Seal Class A, Add	16.64	
	For Work In Restricted Working Space, Add	15.60	
23 31 13 13-0287	LF 4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.83	35.10
	For Seal Class B, Add	8.77	
	For Seal Class A, Add	18.72	
	For Work In Restricted Working Space, Add	17.55	
23 31 13 13-0288	LF 4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.47	38.99
	For Seal Class B, Add	9.75	
	For Seal Class A, Add	20.80	
	For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0289	LF 6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.88	23.39
	For Seal Class B, Add	5.85	
	For Seal Class A, Add	12.48	
	For Work In Restricted Working Space, Add	11.70	
23 31 13 13-0290	LF 6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.53	27.30
	For Seal Class B, Add	6.82	
	For Seal Class A, Add	14.56	
	For Work In Restricted Working Space, Add	13.65	
23 31 13 13-0291	LF 6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.18	31.20
	For Seal Class B, Add	7.80	
	For Seal Class A, Add	16.64	
	For Work In Restricted Working Space, Add	15.60	
23 31 13 13-0292	LF 6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.83	35.10
	For Seal Class B, Add	8.77	
	For Seal Class A, Add	18.72	
	For Work In Restricted Working Space, Add	17.55	
23 31 13 13-0293	LF 6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.47	38.99
	For Seal Class B, Add	9.75	
	For Seal Class A, Add	20.80	
	For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0294	LF 6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.12	42.90
	For Seal Class B, Add	10.72	
	For Seal Class A, Add	22.88	
	For Work In Restricted Working Space, Add	21.45	
23 31 13 13-0295	LF 8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	61.18	31.20
	For Seal Class B, Add	7.80	
	For Seal Class A, Add	16.64	
	For Work In Restricted Working Space, Add	15.60	
23 31 13 13-0296	LF 8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	68.83	35.10
	For Seal Class B, Add	8.77	
	For Seal Class A, Add	18.72	
	For Work In Restricted Working Space, Add	17.55	
23 31 13 13-0297	LF 8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.47	38.99
	For Seal Class B, Add	9.75	
	For Seal Class A, Add	20.80	
	For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0298	LF 8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.12	42.90
	For Seal Class B, Add	10.72	
	For Seal Class A, Add	22.88	
	For Work In Restricted Working Space, Add	21.45	
23 31 13 13-0299	LF 8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.77	46.79
	For Seal Class B, Add	11.70	
	For Seal Class A, Add	24.96	
	For Work In Restricted Working Space, Add	23.40	
23 31 13 13-0300	LF 8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.41	50.69
	For Seal Class B, Add	12.67	
	For Seal Class A, Add	27.03	
	For Work In Restricted Working Space, Add	25.34	
23 31 13 13-0301	LF 8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.06	54.60
	For Seal Class B, Add	13.65	
	For Seal Class A, Add	29.11	
	For Work In Restricted Working Space, Add	27.29	
23 31 13 13-0302	LF 8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.71	58.49
	For Seal Class B, Add	14.62	
	For Seal Class A, Add	31.19	
	For Work In Restricted Working Space, Add	29.24	
23 31 13 13-0303	LF 8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.35	62.38
	For Seal Class B, Add	15.60	
	For Seal Class A, Add	33.27	
	For Work In Restricted Working Space, Add	31.19	
23 31 13 13-0304	LF 10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.47	38.99
	For Seal Class B, Add	9.75	
	For Seal Class A, Add	20.80	
	For Work In Restricted Working Space, Add	19.50	
23 31 13 13-0305	LF 10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.12	42.90
	For Seal Class B, Add	10.72	
	For Seal Class A, Add	22.88	
	For Work In Restricted Working Space, Add	21.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0306	LF	10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.77	46.79
			For Seal Class B, Add	11.70	
			For Seal Class A, Add	24.96	
			For Work In Restricted Working Space, Add	23.40	
23 31 13	13-0307	LF	10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.41	50.69
			For Seal Class B, Add	12.67	
			For Seal Class A, Add	27.03	
			For Work In Restricted Working Space, Add	25.34	
23 31 13	13-0308	LF	10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.06	54.60
			For Seal Class B, Add	13.65	
			For Seal Class A, Add	29.11	
			For Work In Restricted Working Space, Add	27.29	
23 31 13	13-0309	LF	10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.71	58.49
			For Seal Class B, Add	14.62	
			For Seal Class A, Add	31.19	
			For Work In Restricted Working Space, Add	29.24	
23 31 13	13-0310	LF	10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.35	62.38
			For Seal Class B, Add	15.60	
			For Seal Class A, Add	33.27	
			For Work In Restricted Working Space, Add	31.19	
23 31 13	13-0311	LF	10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.00	66.29
			For Seal Class B, Add	16.57	
			For Seal Class A, Add	35.35	
			For Work In Restricted Working Space, Add	33.14	
23 31 13	13-0312	LF	10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.65	70.18
			For Seal Class B, Add	17.55	
			For Seal Class A, Add	37.43	
			For Work In Restricted Working Space, Add	35.09	
23 31 13	13-0313	LF	10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.30	74.09
			For Seal Class B, Add	18.52	
			For Seal Class A, Add	39.51	
			For Work In Restricted Working Space, Add	37.04	
23 31 13	13-0314	LF	10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.94	77.99
			For Seal Class B, Add	19.50	
			For Seal Class A, Add	41.59	
			For Work In Restricted Working Space, Add	38.99	
23 31 13	13-0315	LF	10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.59	81.90
			For Seal Class B, Add	20.47	
			For Seal Class A, Add	43.67	
			For Work In Restricted Working Space, Add	40.94	
23 31 13	13-0316	LF	12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.77	46.79
			For Seal Class B, Add	11.70	
			For Seal Class A, Add	24.96	
			For Work In Restricted Working Space, Add	23.40	
23 31 13	13-0317	LF	12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	99.41	50.69
			For Seal Class B, Add	12.67	
			For Seal Class A, Add	27.03	
			For Work In Restricted Working Space, Add	25.34	
23 31 13	13-0318	LF	12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.06	54.60
			For Seal Class B, Add	13.65	
			For Seal Class A, Add	29.11	
			For Work In Restricted Working Space, Add	27.29	
23 31 13	13-0319	LF	12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.71	58.49
			For Seal Class B, Add	14.62	
			For Seal Class A, Add	31.19	
			For Work In Restricted Working Space, Add	29.24	
23 31 13	13-0320	LF	12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.35	62.38
			For Seal Class B, Add	15.60	
			For Seal Class A, Add	33.27	
			For Work In Restricted Working Space, Add	31.19	
23 31 13	13-0321	LF	12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.00	66.29
			For Seal Class B, Add	16.57	
			For Seal Class A, Add	35.35	
			For Work In Restricted Working Space, Add	33.14	
23 31 13	13-0322	LF	12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.65	70.18
			For Seal Class B, Add	17.55	
			For Seal Class A, Add	37.43	
			For Work In Restricted Working Space, Add	35.09	
23 31 13	13-0323	LF	12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.30	74.09
			For Seal Class B, Add	18.52	
			For Seal Class A, Add	39.51	
			For Work In Restricted Working Space, Add	37.04	
23 31 13	13-0324	LF	12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.94	77.99
			For Seal Class B, Add	19.50	
			For Seal Class A, Add	41.59	
			For Work In Restricted Working Space, Add	38.99	
23 31 13	13-0325	LF	12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.59	81.90
			For Seal Class B, Add	20.47	
			For Seal Class A, Add	43.67	
			For Work In Restricted Working Space, Add	40.94	
23 31 13	13-0326	LF	12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.23	85.78
			For Seal Class B, Add	21.45	
			For Seal Class A, Add	45.75	
			For Work In Restricted Working Space, Add	42.89	
23 31 13	13-0327	LF	12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.88	89.68
			For Seal Class B, Add	22.42	
			For Seal Class A, Add	47.83	
			For Work In Restricted Working Space, Add	44.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-0328	LF	12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53		93.59
		For Seal Class B, Add	23.40		
		For Seal Class A, Add	49.91		
		For Work In Restricted Working Space, Add	46.79		
23 31 13 13-0329	LF	14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.06		54.60
		For Seal Class B, Add	13.65		
		For Seal Class A, Add	29.11		
		For Work In Restricted Working Space, Add	27.29		
23 31 13 13-0330	LF	14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.71		58.49
		For Seal Class B, Add	14.62		
		For Seal Class A, Add	31.19		
		For Work In Restricted Working Space, Add	29.24		
23 31 13 13-0331	LF	14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.35		62.38
		For Seal Class B, Add	15.60		
		For Seal Class A, Add	33.27		
		For Work In Restricted Working Space, Add	31.19		
23 31 13 13-0332	LF	14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.00		66.29
		For Seal Class B, Add	16.57		
		For Seal Class A, Add	35.35		
		For Work In Restricted Working Space, Add	33.14		
23 31 13 13-0333	LF	14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.65		70.18
		For Seal Class B, Add	17.55		
		For Seal Class A, Add	37.43		
		For Work In Restricted Working Space, Add	35.09		
23 31 13 13-0334	LF	14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.30		74.09
		For Seal Class B, Add	18.52		
		For Seal Class A, Add	39.51		
		For Work In Restricted Working Space, Add	37.04		
23 31 13 13-0335	LF	14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.94		77.99
		For Seal Class B, Add	19.50		
		For Seal Class A, Add	41.59		
		For Work In Restricted Working Space, Add	38.99		
23 31 13 13-0336	LF	14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.59		81.90
		For Seal Class B, Add	20.47		
		For Seal Class A, Add	43.67		
		For Work In Restricted Working Space, Add	40.94		
23 31 13 13-0337	LF	14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.23		85.78
		For Seal Class B, Add	21.45		
		For Seal Class A, Add	45.75		
		For Work In Restricted Working Space, Add	42.89		
23 31 13 13-0338	LF	14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.88		89.68
		For Seal Class B, Add	22.42		
		For Seal Class A, Add	47.83		
		For Work In Restricted Working Space, Add	44.84		
23 31 13 13-0339	LF	14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53		93.59
		For Seal Class B, Add	23.40		
		For Seal Class A, Add	49.91		
		For Work In Restricted Working Space, Add	46.79		
23 31 13 13-0340	LF	14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.18		97.48
		For Seal Class B, Add	24.37		
		For Seal Class A, Add	51.99		
		For Work In Restricted Working Space, Add	48.74		
23 31 13 13-0341	LF	16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	122.35		62.38
		For Seal Class B, Add	15.60		
		For Seal Class A, Add	33.27		
		For Work In Restricted Working Space, Add	31.19		
23 31 13 13-0342	LF	16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	130.00		66.29
		For Seal Class B, Add	16.57		
		For Seal Class A, Add	35.35		
		For Work In Restricted Working Space, Add	33.14		
23 31 13 13-0343	LF	16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.65		70.18
		For Seal Class B, Add	17.55		
		For Seal Class A, Add	37.43		
		For Work In Restricted Working Space, Add	35.09		
23 31 13 13-0344	LF	16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.30		74.09
		For Seal Class B, Add	18.52		
		For Seal Class A, Add	39.51		
		For Work In Restricted Working Space, Add	37.04		
23 31 13 13-0345	LF	16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.94		77.99
		For Seal Class B, Add	19.50		
		For Seal Class A, Add	41.59		
		For Work In Restricted Working Space, Add	38.99		
23 31 13 13-0346	LF	16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.59		81.90
		For Seal Class B, Add	20.47		
		For Seal Class A, Add	43.67		
		For Work In Restricted Working Space, Add	40.94		
23 31 13 13-0347	LF	16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.23		85.78
		For Seal Class B, Add	21.45		
		For Seal Class A, Add	45.75		
		For Work In Restricted Working Space, Add	42.89		
23 31 13 13-0348	LF	16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.88		89.68
		For Seal Class B, Add	22.42		
		For Seal Class A, Add	47.83		
		For Work In Restricted Working Space, Add	44.84		
23 31 13 13-0349	LF	16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53		93.59
		For Seal Class B, Add	23.40		
		For Seal Class A, Add	49.91		
		For Work In Restricted Working Space, Add	46.79		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0350	LF	16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.18	97.48
		For Seal Class B, Add	24.37	
		For Seal Class A, Add	51.99	
		For Work In Restricted Working Space, Add	48.74	
23 31 13 13-0351	LF	16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.83	101.39
		For Seal Class B, Add	25.35	
		For Seal Class A, Add	54.07	
		For Work In Restricted Working Space, Add	50.69	
23 31 13 13-0352	LF	16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.48	105.29
		For Seal Class B, Add	26.32	
		For Seal Class A, Add	56.15	
		For Work In Restricted Working Space, Add	52.64	
23 31 13 13-0353	LF	16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
		For Seal Class B, Add	27.29	
		For Seal Class A, Add	58.23	
		For Work In Restricted Working Space, Add	54.59	
23 31 13 13-0354	LF	16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08
		For Seal Class B, Add	28.27	
		For Seal Class A, Add	60.31	
		For Work In Restricted Working Space, Add	56.54	
23 31 13 13-0355	LF	16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
		For Seal Class B, Add	29.25	
		For Seal Class A, Add	62.39	
		For Work In Restricted Working Space, Add	58.49	
23 31 13 13-0356	LF	18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	137.65	70.18
		For Seal Class B, Add	17.55	
		For Seal Class A, Add	37.43	
		For Work In Restricted Working Space, Add	35.09	
23 31 13 13-0357	LF	18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	145.30	74.09
		For Seal Class B, Add	18.52	
		For Seal Class A, Add	39.51	
		For Work In Restricted Working Space, Add	37.04	
23 31 13 13-0358	LF	18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.94	77.99
		For Seal Class B, Add	19.50	
		For Seal Class A, Add	41.59	
		For Work In Restricted Working Space, Add	38.99	
23 31 13 13-0359	LF	18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.59	81.90
		For Seal Class B, Add	20.47	
		For Seal Class A, Add	43.67	
		For Work In Restricted Working Space, Add	40.94	
23 31 13 13-0360	LF	18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.23	85.78
		For Seal Class B, Add	21.45	
		For Seal Class A, Add	45.75	
		For Work In Restricted Working Space, Add	42.89	
23 31 13 13-0361	LF	18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.88	89.68
		For Seal Class B, Add	22.42	
		For Seal Class A, Add	47.83	
		For Work In Restricted Working Space, Add	44.84	
23 31 13 13-0362	LF	18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53	93.59
		For Seal Class B, Add	23.40	
		For Seal Class A, Add	49.91	
		For Work In Restricted Working Space, Add	46.79	
23 31 13 13-0363	LF	18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.18	97.48
		For Seal Class B, Add	24.37	
		For Seal Class A, Add	51.99	
		For Work In Restricted Working Space, Add	48.74	
23 31 13 13-0364	LF	18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.83	101.39
		For Seal Class B, Add	25.35	
		For Seal Class A, Add	54.07	
		For Work In Restricted Working Space, Add	50.69	
23 31 13 13-0365	LF	18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.48	105.29
		For Seal Class B, Add	26.32	
		For Seal Class A, Add	56.15	
		For Work In Restricted Working Space, Add	52.64	
23 31 13 13-0366	LF	18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
		For Seal Class B, Add	27.29	
		For Seal Class A, Add	58.23	
		For Work In Restricted Working Space, Add	54.59	
23 31 13 13-0367	LF	18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08
		For Seal Class B, Add	28.27	
		For Seal Class A, Add	60.31	
		For Work In Restricted Working Space, Add	56.54	
23 31 13 13-0368	LF	18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
		For Seal Class B, Add	29.25	
		For Seal Class A, Add	62.39	
		For Work In Restricted Working Space, Add	58.49	
23 31 13 13-0369	LF	18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87
		For Seal Class B, Add	30.22	
		For Seal Class A, Add	64.47	
		For Work In Restricted Working Space, Add	60.44	
23 31 13 13-0370	LF	18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
		For Seal Class B, Add	31.19	
		For Seal Class A, Add	66.55	
		For Work In Restricted Working Space, Add	62.39	
23 31 13 13-0371	LF	20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.94	77.99
		For Seal Class B, Add	19.50	
		For Seal Class A, Add	41.59	
		For Work In Restricted Working Space, Add	38.99	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0372	LF	20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.59	81.90
		For Seal Class B, Add	20.47	
		For Seal Class A, Add	43.67	
		For Work In Restricted Working Space, Add	40.94	
23 31 13 13-0373	LF	20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.23	85.78
		For Seal Class B, Add	21.45	
		For Seal Class A, Add	45.75	
		For Work In Restricted Working Space, Add	42.89	
23 31 13 13-0374	LF	20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.88	89.68
		For Seal Class B, Add	22.42	
		For Seal Class A, Add	47.83	
		For Work In Restricted Working Space, Add	44.84	
23 31 13 13-0375	LF	20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53	93.59
		For Seal Class B, Add	23.40	
		For Seal Class A, Add	49.91	
		For Work In Restricted Working Space, Add	46.79	
23 31 13 13-0376	LF	20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.18	97.48
		For Seal Class B, Add	24.37	
		For Seal Class A, Add	51.99	
		For Work In Restricted Working Space, Add	48.74	
23 31 13 13-0377	LF	20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.83	101.39
		For Seal Class B, Add	25.35	
		For Seal Class A, Add	54.07	
		For Work In Restricted Working Space, Add	50.69	
23 31 13 13-0378	LF	20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.48	105.29
		For Seal Class B, Add	26.32	
		For Seal Class A, Add	56.15	
		For Work In Restricted Working Space, Add	52.64	
23 31 13 13-0379	LF	20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
		For Seal Class B, Add	27.29	
		For Seal Class A, Add	58.23	
		For Work In Restricted Working Space, Add	54.59	
23 31 13 13-0380	LF	20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08
		For Seal Class B, Add	28.27	
		For Seal Class A, Add	60.31	
		For Work In Restricted Working Space, Add	56.54	
23 31 13 13-0381	LF	20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
		For Seal Class B, Add	29.25	
		For Seal Class A, Add	62.39	
		For Work In Restricted Working Space, Add	58.49	
23 31 13 13-0382	LF	20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87
		For Seal Class B, Add	30.22	
		For Seal Class A, Add	64.47	
		For Work In Restricted Working Space, Add	60.44	
23 31 13 13-0383	LF	20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
		For Seal Class B, Add	31.19	
		For Seal Class A, Add	66.55	
		For Work In Restricted Working Space, Add	62.39	
23 31 13 13-0384	LF	20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68
		For Seal Class B, Add	32.17	
		For Seal Class A, Add	68.63	
		For Work In Restricted Working Space, Add	64.34	
23 31 13 13-0385	LF	20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
		For Seal Class B, Add	33.14	
		For Seal Class A, Add	70.71	
		For Work In Restricted Working Space, Add	66.29	
23 31 13 13-0386	LF	22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.23	85.78
		For Seal Class B, Add	21.45	
		For Seal Class A, Add	45.75	
		For Work In Restricted Working Space, Add	42.89	
23 31 13 13-0387	LF	22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.88	89.68
		For Seal Class B, Add	22.42	
		For Seal Class A, Add	47.83	
		For Work In Restricted Working Space, Add	44.84	
23 31 13 13-0388	LF	22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53	93.59
		For Seal Class B, Add	23.40	
		For Seal Class A, Add	49.91	
		For Work In Restricted Working Space, Add	46.79	
23 31 13 13-0389	LF	22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.18	97.48
		For Seal Class B, Add	24.37	
		For Seal Class A, Add	51.99	
		For Work In Restricted Working Space, Add	48.74	
23 31 13 13-0390	LF	22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.83	101.39
		For Seal Class B, Add	25.35	
		For Seal Class A, Add	54.07	
		For Work In Restricted Working Space, Add	50.69	
23 31 13 13-0391	LF	22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.48	105.29
		For Seal Class B, Add	26.32	
		For Seal Class A, Add	56.15	
		For Work In Restricted Working Space, Add	52.64	
23 31 13 13-0392	LF	22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
		For Seal Class B, Add	27.29	
		For Seal Class A, Add	58.23	
		For Work In Restricted Working Space, Add	54.59	
23 31 13 13-0393	LF	22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08
		For Seal Class B, Add	28.27	
		For Seal Class A, Add	60.31	
		For Work In Restricted Working Space, Add	56.54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0394 LF 22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
For Seal Class B, Add	29.25	
For Seal Class A, Add	62.39	
For Work In Restricted Working Space, Add	58.49	
23 31 13 13-0395 LF 22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87
For Seal Class B, Add	30.22	
For Seal Class A, Add	64.47	
For Work In Restricted Working Space, Add	60.44	
23 31 13 13-0396 LF 22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
For Seal Class B, Add	31.19	
For Seal Class A, Add	66.55	
For Work In Restricted Working Space, Add	62.39	
23 31 13 13-0397 LF 22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68
For Seal Class B, Add	32.17	
For Seal Class A, Add	68.63	
For Work In Restricted Working Space, Add	64.34	
23 31 13 13-0398 LF 22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
For Seal Class B, Add	33.14	
For Seal Class A, Add	70.71	
For Work In Restricted Working Space, Add	66.29	
23 31 13 13-0399 LF 22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47
For Seal Class B, Add	34.12	
For Seal Class A, Add	72.78	
For Work In Restricted Working Space, Add	68.24	
23 31 13 13-0400 LF 24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	183.53	93.59
For Seal Class B, Add	23.40	
For Seal Class A, Add	49.91	
For Work In Restricted Working Space, Add	46.79	
23 31 13 13-0401 LF 24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	191.18	97.48
For Seal Class B, Add	24.37	
For Seal Class A, Add	51.99	
For Work In Restricted Working Space, Add	48.74	
23 31 13 13-0402 LF 24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.83	101.39
For Seal Class B, Add	25.35	
For Seal Class A, Add	54.07	
For Work In Restricted Working Space, Add	50.69	
23 31 13 13-0403 LF 24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.48	105.29
For Seal Class B, Add	26.32	
For Seal Class A, Add	56.15	
For Work In Restricted Working Space, Add	52.64	
23 31 13 13-0404 LF 24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
For Seal Class B, Add	27.29	
For Seal Class A, Add	58.23	
For Work In Restricted Working Space, Add	54.59	
23 31 13 13-0405 LF 24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08
For Seal Class B, Add	28.27	
For Seal Class A, Add	60.31	
For Work In Restricted Working Space, Add	56.54	
23 31 13 13-0406 LF 24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98
For Seal Class B, Add	29.25	
For Seal Class A, Add	62.39	
For Work In Restricted Working Space, Add	58.49	
23 31 13 13-0407 LF 24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87
For Seal Class B, Add	30.22	
For Seal Class A, Add	64.47	
For Work In Restricted Working Space, Add	60.44	
23 31 13 13-0408 LF 24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
For Seal Class B, Add	31.19	
For Seal Class A, Add	66.55	
For Work In Restricted Working Space, Add	62.39	
23 31 13 13-0409 LF 24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68
For Seal Class B, Add	32.17	
For Seal Class A, Add	68.63	
For Work In Restricted Working Space, Add	64.34	
23 31 13 13-0410 LF 24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
For Seal Class B, Add	33.14	
For Seal Class A, Add	70.71	
For Work In Restricted Working Space, Add	66.29	
23 31 13 13-0411 LF 24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47
For Seal Class B, Add	34.12	
For Seal Class A, Add	72.78	
For Work In Restricted Working Space, Add	68.24	
23 31 13 13-0412 LF 24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38
For Seal Class B, Add	35.09	
For Seal Class A, Add	74.86	
For Work In Restricted Working Space, Add	70.19	
23 31 13 13-0413 LF 26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.83	101.39
For Seal Class B, Add	25.35	
For Seal Class A, Add	54.07	
For Work In Restricted Working Space, Add	50.69	
23 31 13 13-0414 LF 26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	206.48	105.29
For Seal Class B, Add	26.32	
For Seal Class A, Add	56.15	
For Work In Restricted Working Space, Add	52.64	
23 31 13 13-0415 LF 26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17
For Seal Class B, Add	27.29	
For Seal Class A, Add	58.23	
For Work In Restricted Working Space, Add	54.59	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-0416	LF	26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08	
		For Seal Class B, Add	28.27		
		For Seal Class A, Add	60.31		
		For Work In Restricted Working Space, Add	56.54		
23 31 13 13-0417	LF	26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98	
		For Seal Class B, Add	29.25		
		For Seal Class A, Add	62.39		
		For Work In Restricted Working Space, Add	58.49		
23 31 13 13-0418	LF	26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87	
		For Seal Class B, Add	30.22		
		For Seal Class A, Add	64.47		
		For Work In Restricted Working Space, Add	60.44		
23 31 13 13-0419	LF	26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78	
		For Seal Class B, Add	31.19		
		For Seal Class A, Add	66.55		
		For Work In Restricted Working Space, Add	62.39		
23 31 13 13-0420	LF	26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68	
		For Seal Class B, Add	32.17		
		For Seal Class A, Add	68.63		
		For Work In Restricted Working Space, Add	64.34		
23 31 13 13-0421	LF	26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58	
		For Seal Class B, Add	33.14		
		For Seal Class A, Add	70.71		
		For Work In Restricted Working Space, Add	66.29		
23 31 13 13-0422	LF	26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47	
		For Seal Class B, Add	34.12		
		For Seal Class A, Add	72.78		
		For Work In Restricted Working Space, Add	68.24		
23 31 13 13-0423	LF	26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38	
		For Seal Class B, Add	35.09		
		For Seal Class A, Add	74.86		
		For Work In Restricted Working Space, Add	70.19		
23 31 13 13-0424	LF	26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	282.95	144.28	
		For Seal Class B, Add	36.07		
		For Seal Class A, Add	76.95		
		For Work In Restricted Working Space, Add	72.14		
23 31 13 13-0425	LF	28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.11	109.17	
		For Seal Class B, Add	27.29		
		For Seal Class A, Add	58.23		
		For Work In Restricted Working Space, Add	54.59		
23 31 13 13-0426	LF	28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.76	113.08	
		For Seal Class B, Add	28.27		
		For Seal Class A, Add	60.31		
		For Work In Restricted Working Space, Add	56.54		
23 31 13 13-0427	LF	28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98	
		For Seal Class B, Add	29.25		
		For Seal Class A, Add	62.39		
		For Work In Restricted Working Space, Add	58.49		
23 31 13 13-0428	LF	28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87	
		For Seal Class B, Add	30.22		
		For Seal Class A, Add	64.47		
		For Work In Restricted Working Space, Add	60.44		
23 31 13 13-0429	LF	28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78	
		For Seal Class B, Add	31.19		
		For Seal Class A, Add	66.55		
		For Work In Restricted Working Space, Add	62.39		
23 31 13 13-0430	LF	28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68	
		For Seal Class B, Add	32.17		
		For Seal Class A, Add	68.63		
		For Work In Restricted Working Space, Add	64.34		
23 31 13 13-0431	LF	28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58	
		For Seal Class B, Add	33.14		
		For Seal Class A, Add	70.71		
		For Work In Restricted Working Space, Add	66.29		
23 31 13 13-0432	LF	28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47	
		For Seal Class B, Add	34.12		
		For Seal Class A, Add	72.78		
		For Work In Restricted Working Space, Add	68.24		
23 31 13 13-0433	LF	28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38	
		For Seal Class B, Add	35.09		
		For Seal Class A, Add	74.86		
		For Work In Restricted Working Space, Add	70.19		
23 31 13 13-0434	LF	28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	282.95	144.28	
		For Seal Class B, Add	36.07		
		For Seal Class A, Add	76.95		
		For Work In Restricted Working Space, Add	72.14		
23 31 13 13-0435	LF	28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.60	148.17	
		For Seal Class B, Add	37.04		
		For Seal Class A, Add	79.03		
		For Work In Restricted Working Space, Add	74.09		
23 31 13 13-0436	LF	30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.42	116.98	
		For Seal Class B, Add	29.25		
		For Seal Class A, Add	62.39		
		For Work In Restricted Working Space, Add	58.49		
23 31 13 13-0437	LF	30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	237.06	120.87	
		For Seal Class B, Add	30.22		
		For Seal Class A, Add	64.47		
		For Work In Restricted Working Space, Add	60.44		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0438	LF	30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
		For Seal Class B, Add	31.19	
		For Seal Class A, Add	66.55	
		For Work In Restricted Working Space, Add	62.39	
23 31 13 13-0439	LF	30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68
		For Seal Class B, Add	32.17	
		For Seal Class A, Add	68.63	
		For Work In Restricted Working Space, Add	64.34	
23 31 13 13-0440	LF	30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
		For Seal Class B, Add	33.14	
		For Seal Class A, Add	70.71	
		For Work In Restricted Working Space, Add	66.29	
23 31 13 13-0441	LF	30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47
		For Seal Class B, Add	34.12	
		For Seal Class A, Add	72.78	
		For Work In Restricted Working Space, Add	68.24	
23 31 13 13-0442	LF	30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38
		For Seal Class B, Add	35.09	
		For Seal Class A, Add	74.86	
		For Work In Restricted Working Space, Add	70.19	
23 31 13 13-0443	LF	30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	282.95	144.28
		For Seal Class B, Add	36.07	
		For Seal Class A, Add	76.95	
		For Work In Restricted Working Space, Add	72.14	
23 31 13 13-0444	LF	30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.60	148.17
		For Seal Class B, Add	37.04	
		For Seal Class A, Add	79.03	
		For Work In Restricted Working Space, Add	74.09	
23 31 13 13-0445	LF	30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.24	152.08
		For Seal Class B, Add	38.02	
		For Seal Class A, Add	81.10	
		For Work In Restricted Working Space, Add	76.04	
23 31 13 13-0446	LF	32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.71	124.78
		For Seal Class B, Add	31.19	
		For Seal Class A, Add	66.55	
		For Work In Restricted Working Space, Add	62.39	
23 31 13 13-0447	LF	32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.36	128.68
		For Seal Class B, Add	32.17	
		For Seal Class A, Add	68.63	
		For Work In Restricted Working Space, Add	64.34	
23 31 13 13-0448	LF	32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
		For Seal Class B, Add	33.14	
		For Seal Class A, Add	70.71	
		For Work In Restricted Working Space, Add	66.29	
23 31 13 13-0449	LF	32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47
		For Seal Class B, Add	34.12	
		For Seal Class A, Add	72.78	
		For Work In Restricted Working Space, Add	68.24	
23 31 13 13-0450	LF	32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38
		For Seal Class B, Add	35.09	
		For Seal Class A, Add	74.86	
		For Work In Restricted Working Space, Add	70.19	
23 31 13 13-0451	LF	32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	282.95	144.28
		For Seal Class B, Add	36.07	
		For Seal Class A, Add	76.95	
		For Work In Restricted Working Space, Add	72.14	
23 31 13 13-0452	LF	32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.60	148.17
		For Seal Class B, Add	37.04	
		For Seal Class A, Add	79.03	
		For Work In Restricted Working Space, Add	74.09	
23 31 13 13-0453	LF	32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.24	152.08
		For Seal Class B, Add	38.02	
		For Seal Class A, Add	81.10	
		For Work In Restricted Working Space, Add	76.04	
23 31 13 13-0454	LF	32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.88	155.97
		For Seal Class B, Add	38.99	
		For Seal Class A, Add	83.18	
		For Work In Restricted Working Space, Add	77.99	
23 31 13 13-0455	LF	34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	260.00	132.58
		For Seal Class B, Add	33.14	
		For Seal Class A, Add	70.71	
		For Work In Restricted Working Space, Add	66.29	
23 31 13 13-0456	LF	34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	267.64	136.47
		For Seal Class B, Add	34.12	
		For Seal Class A, Add	72.78	
		For Work In Restricted Working Space, Add	68.24	
23 31 13 13-0457	LF	34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38
		For Seal Class B, Add	35.09	
		For Seal Class A, Add	74.86	
		For Work In Restricted Working Space, Add	70.19	
23 31 13 13-0458	LF	34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	282.95	144.28
		For Seal Class B, Add	36.07	
		For Seal Class A, Add	76.95	
		For Work In Restricted Working Space, Add	72.14	
23 31 13 13-0459	LF	34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.60	148.17
		For Seal Class B, Add	37.04	
		For Seal Class A, Add	79.03	
		For Work In Restricted Working Space, Add	74.09	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-0460	LF	34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.24	152.08	
		For Seal Class B, Add	38.02		
		For Seal Class A, Add	81.10		
		For Work In Restricted Working Space, Add	76.04		
23 31 13 13-0461	LF	34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.88	155.97	
		For Seal Class B, Add	38.99		
		For Seal Class A, Add	83.18		
		For Work In Restricted Working Space, Add	77.99		
23 31 13 13-0462	LF	34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.53	159.87	
		For Seal Class B, Add	39.97		
		For Seal Class A, Add	85.26		
		For Work In Restricted Working Space, Add	79.94		
23 31 13 13-0463	LF	36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	275.29	140.38	
		For Seal Class B, Add	35.09		
		For Seal Class A, Add	74.86		
		For Work In Restricted Working Space, Add	70.19		
23 31 13 13-0464	LF	36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	282.95	144.28	
		For Seal Class B, Add	36.07		
		For Seal Class A, Add	76.95		
		For Work In Restricted Working Space, Add	72.14		
23 31 13 13-0465	LF	36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.60	148.17	
		For Seal Class B, Add	37.04		
		For Seal Class A, Add	79.03		
		For Work In Restricted Working Space, Add	74.09		
23 31 13 13-0466	LF	36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.24	152.08	
		For Seal Class B, Add	38.02		
		For Seal Class A, Add	81.10		
		For Work In Restricted Working Space, Add	76.04		
23 31 13 13-0467	LF	36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.88	155.97	
		For Seal Class B, Add	38.99		
		For Seal Class A, Add	83.18		
		For Work In Restricted Working Space, Add	77.99		
23 31 13 13-0468	LF	36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.53	159.87	
		For Seal Class B, Add	39.97		
		For Seal Class A, Add	85.26		
		For Work In Restricted Working Space, Add	79.94		
23 31 13 13-0469	LF	36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.17	163.77	
		For Seal Class B, Add	40.94		
		For Seal Class A, Add	87.34		
		For Work In Restricted Working Space, Add	81.88		
23 31 13 13-0470	LF	38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	290.60	148.17	
		For Seal Class B, Add	37.04		
		For Seal Class A, Add	79.03		
		For Work In Restricted Working Space, Add	74.09		
23 31 13 13-0471	LF	38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	298.24	152.08	
		For Seal Class B, Add	38.02		
		For Seal Class A, Add	81.10		
		For Work In Restricted Working Space, Add	76.04		
23 31 13 13-0472	LF	38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.88	155.97	
		For Seal Class B, Add	38.99		
		For Seal Class A, Add	83.18		
		For Work In Restricted Working Space, Add	77.99		
23 31 13 13-0473	LF	38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.53	159.87	
		For Seal Class B, Add	39.97		
		For Seal Class A, Add	85.26		
		For Work In Restricted Working Space, Add	79.94		
23 31 13 13-0474	LF	38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.17	163.77	
		For Seal Class B, Add	40.94		
		For Seal Class A, Add	87.34		
		For Work In Restricted Working Space, Add	81.88		
23 31 13 13-0475	LF	38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.83	167.67	
		For Seal Class B, Add	41.92		
		For Seal Class A, Add	89.42		
		For Work In Restricted Working Space, Add	83.84		
23 31 13 13-0476	LF	38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.48	171.57	
		For Seal Class B, Add	42.89		
		For Seal Class A, Add	91.50		
		For Work In Restricted Working Space, Add	85.79		
23 31 13 13-0477	LF	40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	305.88	155.97	
		For Seal Class B, Add	38.99		
		For Seal Class A, Add	83.18		
		For Work In Restricted Working Space, Add	77.99		
23 31 13 13-0478	LF	40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	313.53	159.87	
		For Seal Class B, Add	39.97		
		For Seal Class A, Add	85.26		
		For Work In Restricted Working Space, Add	79.94		
23 31 13 13-0479	LF	40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.17	163.77	
		For Seal Class B, Add	40.94		
		For Seal Class A, Add	87.34		
		For Work In Restricted Working Space, Add	81.88		
23 31 13 13-0480	LF	40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.83	167.67	
		For Seal Class B, Add	41.92		
		For Seal Class A, Add	89.42		
		For Work In Restricted Working Space, Add	83.84		
23 31 13 13-0481	LF	40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.48	171.57	
		For Seal Class B, Add	42.89		
		For Seal Class A, Add	91.50		
		For Work In Restricted Working Space, Add	85.79		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0482	LF	40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.13	175.47
		For Seal Class B, Add	43.87	
		For Seal Class A, Add	93.58	
		For Work In Restricted Working Space, Add	87.74	
23 31 13 13-0483	LF	40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.76	179.37
		For Seal Class B, Add	44.84	
		For Seal Class A, Add	95.66	
		For Work In Restricted Working Space, Add	89.68	
23 31 13 13-0484	LF	40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	359.41	183.26
		For Seal Class B, Add	45.82	
		For Seal Class A, Add	97.74	
		For Work In Restricted Working Space, Add	91.63	
23 31 13 13-0485	LF	42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	321.17	163.77
		For Seal Class B, Add	40.94	
		For Seal Class A, Add	87.34	
		For Work In Restricted Working Space, Add	81.88	
23 31 13 13-0486	LF	42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.83	167.67
		For Seal Class B, Add	41.92	
		For Seal Class A, Add	89.42	
		For Work In Restricted Working Space, Add	83.84	
23 31 13 13-0487	LF	42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.48	171.57
		For Seal Class B, Add	42.89	
		For Seal Class A, Add	91.50	
		For Work In Restricted Working Space, Add	85.79	
23 31 13 13-0488	LF	42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.13	175.47
		For Seal Class B, Add	43.87	
		For Seal Class A, Add	93.58	
		For Work In Restricted Working Space, Add	87.74	
23 31 13 13-0489	LF	42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.76	179.37
		For Seal Class B, Add	44.84	
		For Seal Class A, Add	95.66	
		For Work In Restricted Working Space, Add	89.68	
23 31 13 13-0490	LF	42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	359.41	183.26
		For Seal Class B, Add	45.82	
		For Seal Class A, Add	97.74	
		For Work In Restricted Working Space, Add	91.63	
23 31 13 13-0491	LF	42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	367.06	187.16
		For Seal Class B, Add	46.79	
		For Seal Class A, Add	99.82	
		For Work In Restricted Working Space, Add	93.58	
23 31 13 13-0492	LF	44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.48	171.57
		For Seal Class B, Add	42.89	
		For Seal Class A, Add	91.50	
		For Work In Restricted Working Space, Add	85.79	
23 31 13 13-0493	LF	44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	344.13	175.47
		For Seal Class B, Add	43.87	
		For Seal Class A, Add	93.58	
		For Work In Restricted Working Space, Add	87.74	
23 31 13 13-0494	LF	44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.76	179.37
		For Seal Class B, Add	44.84	
		For Seal Class A, Add	95.66	
		For Work In Restricted Working Space, Add	89.68	
23 31 13 13-0495	LF	44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	359.41	183.26
		For Seal Class B, Add	45.82	
		For Seal Class A, Add	97.74	
		For Work In Restricted Working Space, Add	91.63	
23 31 13 13-0496	LF	44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	367.06	187.16
		For Seal Class B, Add	46.79	
		For Seal Class A, Add	99.82	
		For Work In Restricted Working Space, Add	93.58	
23 31 13 13-0497	LF	44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.70	191.07
		For Seal Class B, Add	47.76	
		For Seal Class A, Add	101.90	
		For Work In Restricted Working Space, Add	95.53	
23 31 13 13-0498	LF	46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.76	179.37
		For Seal Class B, Add	44.84	
		For Seal Class A, Add	95.66	
		For Work In Restricted Working Space, Add	89.68	
23 31 13 13-0499	LF	46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	359.41	183.26
		For Seal Class B, Add	45.82	
		For Seal Class A, Add	97.74	
		For Work In Restricted Working Space, Add	91.63	
23 31 13 13-0500	LF	46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	367.06	187.16
		For Seal Class B, Add	46.79	
		For Seal Class A, Add	99.82	
		For Work In Restricted Working Space, Add	93.58	
23 31 13 13-0501	LF	46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.70	191.07
		For Seal Class B, Add	47.76	
		For Seal Class A, Add	101.90	
		For Work In Restricted Working Space, Add	95.53	
23 31 13 13-0502	LF	46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	382.36	194.97
		For Seal Class B, Add	48.74	
		For Seal Class A, Add	103.98	
		For Work In Restricted Working Space, Add	97.48	
23 31 13 13-0503	LF	48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	367.06	187.16
		For Seal Class B, Add	46.79	
		For Seal Class A, Add	99.82	
		For Work In Restricted Working Space, Add	93.58	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-0504	LF	48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	374.70	191.07	
		For Seal Class B, Add	47.76		
		For Seal Class A, Add	101.90		
		For Work In Restricted Working Space, Add	95.53		
23 31 13 13-0505	LF	48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	382.36	194.97	
		For Seal Class B, Add	48.74		
		For Seal Class A, Add	103.98		
		For Work In Restricted Working Space, Add	97.48		
23 31 13 13-0506	LF	48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	390.01	198.87	
		For Seal Class B, Add	49.72		
		For Seal Class A, Add	106.06		
		For Work In Restricted Working Space, Add	99.43		
23 31 13 13-0507	LF	50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	382.36	194.97	
		For Seal Class B, Add	48.74		
		For Seal Class A, Add	103.98		
		For Work In Restricted Working Space, Add	97.48		
23 31 13 13-0508	LF	50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	390.01	198.87	
		For Seal Class B, Add	49.72		
		For Seal Class A, Add	106.06		
		For Work In Restricted Working Space, Add	99.43		
23 31 13 13-0509	LF	50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	397.65	202.76	
		For Seal Class B, Add	50.69		
		For Seal Class A, Add	108.14		
		For Work In Restricted Working Space, Add	101.38		
23 31 13 13-0510	LF	52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	397.65	202.76	
		For Seal Class B, Add	50.69		
		For Seal Class A, Add	108.14		
		For Work In Restricted Working Space, Add	101.38		
23 31 13 13-0511	LF	52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	405.29	206.66	
		For Seal Class B, Add	51.66		
		For Seal Class A, Add	110.22		
		For Work In Restricted Working Space, Add	103.33		
23 31 13 13-0512	LF	54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	412.94	210.56	
		For Seal Class B, Add	52.64		
		For Seal Class A, Add	112.30		
		For Work In Restricted Working Space, Add	105.28		
23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)					
Note: Seal Class C					
23 31 13 13-0514	LF	4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.02	18.37	
		For Seal Class B, Add	4.59		
		For Seal Class A, Add	9.80		
		For Work In Restricted Working Space, Add	9.19		
23 31 13 13-0515	LF	4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	45.04	22.96	
		For Seal Class B, Add	5.74		
		For Seal Class A, Add	12.25		
		For Work In Restricted Working Space, Add	11.48		
23 31 13 13-0516	LF	4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.04	27.56	
		For Seal Class B, Add	6.89		
		For Seal Class A, Add	14.69		
		For Work In Restricted Working Space, Add	13.78		
23 31 13 13-0517	LF	4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.04	32.14	
		For Seal Class B, Add	8.04		
		For Seal Class A, Add	17.15		
		For Work In Restricted Working Space, Add	16.07		
23 31 13 13-0518	LF	4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.06	36.74	
		For Seal Class B, Add	9.19		
		For Seal Class A, Add	19.60		
		For Work In Restricted Working Space, Add	18.37		
23 31 13 13-0519	LF	4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.06	41.33	
		For Seal Class B, Add	10.33		
		For Seal Class A, Add	22.04		
		For Work In Restricted Working Space, Add	20.66		
23 31 13 13-0520	LF	4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.07	45.92	
		For Seal Class B, Add	11.48		
		For Seal Class A, Add	24.50		
		For Work In Restricted Working Space, Add	22.97		
23 31 13 13-0521	LF	6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.04	27.56	
		For Seal Class B, Add	6.89		
		For Seal Class A, Add	14.69		
		For Work In Restricted Working Space, Add	13.78		
23 31 13 13-0522	LF	6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.04	32.14	
		For Seal Class B, Add	8.04		
		For Seal Class A, Add	17.15		
		For Work In Restricted Working Space, Add	16.07		
23 31 13 13-0523	LF	6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	72.06	36.74	
		For Seal Class B, Add	9.19		
		For Seal Class A, Add	19.60		
		For Work In Restricted Working Space, Add	18.37		
23 31 13 13-0524	LF	6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	81.06	41.33	
		For Seal Class B, Add	10.33		
		For Seal Class A, Add	22.04		
		For Work In Restricted Working Space, Add	20.66		
23 31 13 13-0525	LF	6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.07	45.92	
		For Seal Class B, Add	11.48		
		For Seal Class A, Add	24.50		
		For Work In Restricted Working Space, Add	22.97		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0526	LF	6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	99.08	50.52
		For Seal Class B, Add	.....	12.63	
		For Seal Class A, Add	.....	26.94	
		For Work In Restricted Working Space, Add	.....	25.26	
23 31 13 13-0527	LF	8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	72.06	36.74
		For Seal Class B, Add	.....	9.19	
		For Seal Class A, Add	.....	19.60	
		For Work In Restricted Working Space, Add	.....	18.37	
23 31 13 13-0528	LF	8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	81.06	41.33
		For Seal Class B, Add	.....	10.33	
		For Seal Class A, Add	.....	22.04	
		For Work In Restricted Working Space, Add	.....	20.66	
23 31 13 13-0529	LF	8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	90.07	45.92
		For Seal Class B, Add	.....	11.48	
		For Seal Class A, Add	.....	24.50	
		For Work In Restricted Working Space, Add	.....	22.97	
23 31 13 13-0530	LF	8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	99.08	50.52
		For Seal Class B, Add	.....	12.63	
		For Seal Class A, Add	.....	26.94	
		For Work In Restricted Working Space, Add	.....	25.26	
23 31 13 13-0531	LF	8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	108.08	55.11
		For Seal Class B, Add	.....	13.78	
		For Seal Class A, Add	.....	29.40	
		For Work In Restricted Working Space, Add	.....	27.56	
23 31 13 13-0532	LF	8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	117.08	59.70
		For Seal Class B, Add	.....	14.93	
		For Seal Class A, Add	.....	31.84	
		For Work In Restricted Working Space, Add	.....	29.85	
23 31 13 13-0533	LF	8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	126.10	64.30
		For Seal Class B, Add	.....	16.07	
		For Seal Class A, Add	.....	34.29	
		For Work In Restricted Working Space, Add	.....	32.15	
23 31 13 13-0534	LF	8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	135.09	68.88
		For Seal Class B, Add	.....	17.22	
		For Seal Class A, Add	.....	36.74	
		For Work In Restricted Working Space, Add	.....	34.44	
23 31 13 13-0535	LF	8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	144.10	73.48
		For Seal Class B, Add	.....	18.37	
		For Seal Class A, Add	.....	39.19	
		For Work In Restricted Working Space, Add	.....	36.74	
23 31 13 13-0536	LF	10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	90.07	45.92
		For Seal Class B, Add	.....	11.48	
		For Seal Class A, Add	.....	24.50	
		For Work In Restricted Working Space, Add	.....	22.97	
23 31 13 13-0537	LF	10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	99.08	50.52
		For Seal Class B, Add	.....	12.63	
		For Seal Class A, Add	.....	26.94	
		For Work In Restricted Working Space, Add	.....	25.26	
23 31 13 13-0538	LF	10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	108.08	55.11
		For Seal Class B, Add	.....	13.78	
		For Seal Class A, Add	.....	29.40	
		For Work In Restricted Working Space, Add	.....	27.56	
23 31 13 13-0539	LF	10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	117.08	59.70
		For Seal Class B, Add	.....	14.93	
		For Seal Class A, Add	.....	31.84	
		For Work In Restricted Working Space, Add	.....	29.85	
23 31 13 13-0540	LF	10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	126.10	64.30
		For Seal Class B, Add	.....	16.07	
		For Seal Class A, Add	.....	34.29	
		For Work In Restricted Working Space, Add	.....	32.15	
23 31 13 13-0541	LF	10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	135.09	68.88
		For Seal Class B, Add	.....	17.22	
		For Seal Class A, Add	.....	36.74	
		For Work In Restricted Working Space, Add	.....	34.44	
23 31 13 13-0542	LF	10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	144.10	73.48
		For Seal Class B, Add	.....	18.37	
		For Seal Class A, Add	.....	39.19	
		For Work In Restricted Working Space, Add	.....	36.74	
23 31 13 13-0543	LF	10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	153.14	78.07
		For Seal Class B, Add	.....	19.52	
		For Seal Class A, Add	.....	41.64	
		For Work In Restricted Working Space, Add	.....	39.04	
23 31 13 13-0544	LF	10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	162.12	82.67
		For Seal Class B, Add	.....	20.67	
		For Seal Class A, Add	.....	44.09	
		For Work In Restricted Working Space, Add	.....	41.33	
23 31 13 13-0545	LF	10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	171.15	87.25
		For Seal Class B, Add	.....	21.82	
		For Seal Class A, Add	.....	46.54	
		For Work In Restricted Working Space, Add	.....	43.63	
23 31 13 13-0546	LF	10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	180.12	91.86
		For Seal Class B, Add	.....	22.96	
		For Seal Class A, Add	.....	48.99	
		For Work In Restricted Working Space, Add	.....	45.92	
23 31 13 13-0547	LF	10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	189.14	96.44
		For Seal Class B, Add	.....	24.11	
		For Seal Class A, Add	.....	51.44	
		For Work In Restricted Working Space, Add	.....	48.22	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-0548	LF	12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	108.08	55.11	
		For Seal Class B, Add	13.78		
		For Seal Class A, Add	29.40		
		For Work In Restricted Working Space, Add	27.56		
23 31 13 13-0549	LF	12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	117.08	59.70	
		For Seal Class B, Add	14.93		
		For Seal Class A, Add	31.84		
		For Work In Restricted Working Space, Add	29.85		
23 31 13 13-0550	LF	12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.10	64.30	
		For Seal Class B, Add	16.07		
		For Seal Class A, Add	34.29		
		For Work In Restricted Working Space, Add	32.15		
23 31 13 13-0551	LF	12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	135.09	68.88	
		For Seal Class B, Add	17.22		
		For Seal Class A, Add	36.74		
		For Work In Restricted Working Space, Add	34.44		
23 31 13 13-0552	LF	12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	144.10	73.48	
		For Seal Class B, Add	18.37		
		For Seal Class A, Add	39.19		
		For Work In Restricted Working Space, Add	36.74		
23 31 13 13-0553	LF	12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.14	78.07	
		For Seal Class B, Add	19.52		
		For Seal Class A, Add	41.64		
		For Work In Restricted Working Space, Add	39.04		
23 31 13 13-0554	LF	12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.12	82.67	
		For Seal Class B, Add	20.67		
		For Seal Class A, Add	44.09		
		For Work In Restricted Working Space, Add	41.33		
23 31 13 13-0555	LF	12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.15	87.25	
		For Seal Class B, Add	21.82		
		For Seal Class A, Add	46.54		
		For Work In Restricted Working Space, Add	43.63		
23 31 13 13-0556	LF	12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.12	91.86	
		For Seal Class B, Add	22.96		
		For Seal Class A, Add	48.99		
		For Work In Restricted Working Space, Add	45.92		
23 31 13 13-0557	LF	12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.14	96.44	
		For Seal Class B, Add	24.11		
		For Seal Class A, Add	51.44		
		For Work In Restricted Working Space, Add	48.22		
23 31 13 13-0558	LF	12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.16	101.04	
		For Seal Class B, Add	25.26		
		For Seal Class A, Add	53.88		
		For Work In Restricted Working Space, Add	50.52		
23 31 13 13-0559	LF	12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.15	105.63	
		For Seal Class B, Add	26.41		
		For Seal Class A, Add	56.34		
		For Work In Restricted Working Space, Add	52.82		
23 31 13 13-0560	LF	12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22	
		For Seal Class B, Add	27.56		
		For Seal Class A, Add	58.79		
		For Work In Restricted Working Space, Add	55.11		
23 31 13 13-0561	LF	14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.10	64.30	
		For Seal Class B, Add	16.07		
		For Seal Class A, Add	34.29		
		For Work In Restricted Working Space, Add	32.15		
23 31 13 13-0562	LF	14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	135.09	68.88	
		For Seal Class B, Add	17.22		
		For Seal Class A, Add	36.74		
		For Work In Restricted Working Space, Add	34.44		
23 31 13 13-0563	LF	14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	144.10	73.48	
		For Seal Class B, Add	18.37		
		For Seal Class A, Add	39.19		
		For Work In Restricted Working Space, Add	36.74		
23 31 13 13-0564	LF	14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.14	78.07	
		For Seal Class B, Add	19.52		
		For Seal Class A, Add	41.64		
		For Work In Restricted Working Space, Add	39.04		
23 31 13 13-0565	LF	14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.12	82.67	
		For Seal Class B, Add	20.67		
		For Seal Class A, Add	44.09		
		For Work In Restricted Working Space, Add	41.33		
23 31 13 13-0566	LF	14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.15	87.25	
		For Seal Class B, Add	21.82		
		For Seal Class A, Add	46.54		
		For Work In Restricted Working Space, Add	43.63		
23 31 13 13-0567	LF	14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.12	91.86	
		For Seal Class B, Add	22.96		
		For Seal Class A, Add	48.99		
		For Work In Restricted Working Space, Add	45.92		
23 31 13 13-0568	LF	14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.14	96.44	
		For Seal Class B, Add	24.11		
		For Seal Class A, Add	51.44		
		For Work In Restricted Working Space, Add	48.22		
23 31 13 13-0569	LF	14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.16	101.04	
		For Seal Class B, Add	25.26		
		For Seal Class A, Add	53.88		
		For Work In Restricted Working Space, Add	50.52		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0570	LF	14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.15	105.63
		For Seal Class B, Add	26.41	
		For Seal Class A, Add	56.34	
		For Work In Restricted Working Space, Add	52.82	
23 31 13 13-0571	LF	14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	27.56	
		For Seal Class A, Add	58.79	
		For Work In Restricted Working Space, Add	55.11	
23 31 13 13-0572	LF	14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	225.16	114.81
		For Seal Class B, Add	28.70	
		For Seal Class A, Add	61.24	
		For Work In Restricted Working Space, Add	57.41	
23 31 13 13-0573	LF	16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	144.10	73.48
		For Seal Class B, Add	18.37	
		For Seal Class A, Add	39.19	
		For Work In Restricted Working Space, Add	36.74	
23 31 13 13-0574	LF	16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.14	78.07
		For Seal Class B, Add	19.52	
		For Seal Class A, Add	41.64	
		For Work In Restricted Working Space, Add	39.04	
23 31 13 13-0575	LF	16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.12	82.67
		For Seal Class B, Add	20.67	
		For Seal Class A, Add	44.09	
		For Work In Restricted Working Space, Add	41.33	
23 31 13 13-0576	LF	16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.15	87.25
		For Seal Class B, Add	21.82	
		For Seal Class A, Add	46.54	
		For Work In Restricted Working Space, Add	43.63	
23 31 13 13-0577	LF	16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.12	91.86
		For Seal Class B, Add	22.96	
		For Seal Class A, Add	48.99	
		For Work In Restricted Working Space, Add	45.92	
23 31 13 13-0578	LF	16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.14	96.44
		For Seal Class B, Add	24.11	
		For Seal Class A, Add	51.44	
		For Work In Restricted Working Space, Add	48.22	
23 31 13 13-0579	LF	16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.16	101.04
		For Seal Class B, Add	25.26	
		For Seal Class A, Add	53.88	
		For Work In Restricted Working Space, Add	50.52	
23 31 13 13-0580	LF	16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.15	105.63
		For Seal Class B, Add	26.41	
		For Seal Class A, Add	56.34	
		For Work In Restricted Working Space, Add	52.82	
23 31 13 13-0581	LF	16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	27.56	
		For Seal Class A, Add	58.79	
		For Work In Restricted Working Space, Add	55.11	
23 31 13 13-0582	LF	16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	225.16	114.81
		For Seal Class B, Add	28.70	
		For Seal Class A, Add	61.24	
		For Work In Restricted Working Space, Add	57.41	
23 31 13 13-0583	LF	16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.18	119.41
		For Seal Class B, Add	29.85	
		For Seal Class A, Add	63.69	
		For Work In Restricted Working Space, Add	59.71	
23 31 13 13-0584	LF	16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.19	124.00
		For Seal Class B, Add	31.00	
		For Seal Class A, Add	66.13	
		For Work In Restricted Working Space, Add	62.00	
23 31 13 13-0585	LF	16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	32.15	
		For Seal Class A, Add	68.58	
		For Work In Restricted Working Space, Add	64.30	
23 31 13 13-0586	LF	16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	33.30	
		For Seal Class A, Add	71.03	
		For Work In Restricted Working Space, Add	66.59	
23 31 13 13-0587	LF	16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	34.45	
		For Seal Class A, Add	73.48	
		For Work In Restricted Working Space, Add	68.89	
23 31 13 13-0588	LF	18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	162.12	82.67
		For Seal Class B, Add	20.67	
		For Seal Class A, Add	44.09	
		For Work In Restricted Working Space, Add	41.33	
23 31 13 13-0589	LF	18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.15	87.25
		For Seal Class B, Add	21.82	
		For Seal Class A, Add	46.54	
		For Work In Restricted Working Space, Add	43.63	
23 31 13 13-0590	LF	18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.12	91.86
		For Seal Class B, Add	22.96	
		For Seal Class A, Add	48.99	
		For Work In Restricted Working Space, Add	45.92	
23 31 13 13-0591	LF	18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.14	96.44
		For Seal Class B, Add	24.11	
		For Seal Class A, Add	51.44	
		For Work In Restricted Working Space, Add	48.22	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0592	LF	18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.16	101.04
		For Seal Class B, Add	25.26	
		For Seal Class A, Add	53.88	
		For Work In Restricted Working Space, Add	50.52	
23 31 13 13-0593	LF	18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.15	105.63
		For Seal Class B, Add	26.41	
		For Seal Class A, Add	56.34	
		For Work In Restricted Working Space, Add	52.82	
23 31 13 13-0594	LF	18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	27.56	
		For Seal Class A, Add	58.79	
		For Work In Restricted Working Space, Add	55.11	
23 31 13 13-0595	LF	18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	225.16	114.81
		For Seal Class B, Add	28.70	
		For Seal Class A, Add	61.24	
		For Work In Restricted Working Space, Add	57.41	
23 31 13 13-0596	LF	18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.18	119.41
		For Seal Class B, Add	29.85	
		For Seal Class A, Add	63.69	
		For Work In Restricted Working Space, Add	59.71	
23 31 13 13-0597	LF	18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.19	124.00
		For Seal Class B, Add	31.00	
		For Seal Class A, Add	66.13	
		For Work In Restricted Working Space, Add	62.00	
23 31 13 13-0598	LF	18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	32.15	
		For Seal Class A, Add	68.58	
		For Work In Restricted Working Space, Add	64.30	
23 31 13 13-0599	LF	18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	33.30	
		For Seal Class A, Add	71.03	
		For Work In Restricted Working Space, Add	66.59	
23 31 13 13-0600	LF	18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	34.45	
		For Seal Class A, Add	73.48	
		For Work In Restricted Working Space, Add	68.89	
23 31 13 13-0601	LF	18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	35.59	
		For Seal Class A, Add	75.93	
		For Work In Restricted Working Space, Add	71.18	
23 31 13 13-0602	LF	18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	36.74	
		For Seal Class A, Add	78.38	
		For Work In Restricted Working Space, Add	73.48	
23 31 13 13-0603	LF	20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.12	91.86
		For Seal Class B, Add	22.96	
		For Seal Class A, Add	48.99	
		For Work In Restricted Working Space, Add	45.92	
23 31 13 13-0604	LF	20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	189.14	96.44
		For Seal Class B, Add	24.11	
		For Seal Class A, Add	51.44	
		For Work In Restricted Working Space, Add	48.22	
23 31 13 13-0605	LF	20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.16	101.04
		For Seal Class B, Add	25.26	
		For Seal Class A, Add	53.88	
		For Work In Restricted Working Space, Add	50.52	
23 31 13 13-0606	LF	20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.15	105.63
		For Seal Class B, Add	26.41	
		For Seal Class A, Add	56.34	
		For Work In Restricted Working Space, Add	52.82	
23 31 13 13-0607	LF	20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	27.56	
		For Seal Class A, Add	58.79	
		For Work In Restricted Working Space, Add	55.11	
23 31 13 13-0608	LF	20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	225.16	114.81
		For Seal Class B, Add	28.70	
		For Seal Class A, Add	61.24	
		For Work In Restricted Working Space, Add	57.41	
23 31 13 13-0609	LF	20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.18	119.41
		For Seal Class B, Add	29.85	
		For Seal Class A, Add	63.69	
		For Work In Restricted Working Space, Add	59.71	
23 31 13 13-0610	LF	20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.19	124.00
		For Seal Class B, Add	31.00	
		For Seal Class A, Add	66.13	
		For Work In Restricted Working Space, Add	62.00	
23 31 13 13-0611	LF	20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	32.15	
		For Seal Class A, Add	68.58	
		For Work In Restricted Working Space, Add	64.30	
23 31 13 13-0612	LF	20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	33.30	
		For Seal Class A, Add	71.03	
		For Work In Restricted Working Space, Add	66.59	
23 31 13 13-0613	LF	20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	34.45	
		For Seal Class A, Add	73.48	
		For Work In Restricted Working Space, Add	68.89	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0614	LF	20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	35.59	
		For Seal Class A, Add	75.93	
		For Work In Restricted Working Space, Add	71.18	
23 31 13 13-0615	LF	20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	36.74	
		For Seal Class A, Add	78.38	
		For Work In Restricted Working Space, Add	73.48	
23 31 13 13-0616	LF	20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	37.89	
		For Seal Class A, Add	80.83	
		For Work In Restricted Working Space, Add	75.78	
23 31 13 13-0617	LF	20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	39.04	
		For Seal Class A, Add	83.28	
		For Work In Restricted Working Space, Add	78.08	
23 31 13 13-0618	LF	22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	198.16	101.04
		For Seal Class B, Add	25.26	
		For Seal Class A, Add	53.88	
		For Work In Restricted Working Space, Add	50.52	
23 31 13 13-0619	LF	22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.15	105.63
		For Seal Class B, Add	26.41	
		For Seal Class A, Add	56.34	
		For Work In Restricted Working Space, Add	52.82	
23 31 13 13-0620	LF	22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	27.56	
		For Seal Class A, Add	58.79	
		For Work In Restricted Working Space, Add	55.11	
23 31 13 13-0621	LF	22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	225.16	114.81
		For Seal Class B, Add	28.70	
		For Seal Class A, Add	61.24	
		For Work In Restricted Working Space, Add	57.41	
23 31 13 13-0622	LF	22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.18	119.41
		For Seal Class B, Add	29.85	
		For Seal Class A, Add	63.69	
		For Work In Restricted Working Space, Add	59.71	
23 31 13 13-0623	LF	22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.19	124.00
		For Seal Class B, Add	31.00	
		For Seal Class A, Add	66.13	
		For Work In Restricted Working Space, Add	62.00	
23 31 13 13-0624	LF	22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	32.15	
		For Seal Class A, Add	68.58	
		For Work In Restricted Working Space, Add	64.30	
23 31 13 13-0625	LF	22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	33.30	
		For Seal Class A, Add	71.03	
		For Work In Restricted Working Space, Add	66.59	
23 31 13 13-0626	LF	22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	34.45	
		For Seal Class A, Add	73.48	
		For Work In Restricted Working Space, Add	68.89	
23 31 13 13-0627	LF	22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	35.59	
		For Seal Class A, Add	75.93	
		For Work In Restricted Working Space, Add	71.18	
23 31 13 13-0628	LF	22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	36.74	
		For Seal Class A, Add	78.38	
		For Work In Restricted Working Space, Add	73.48	
23 31 13 13-0629	LF	22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	37.89	
		For Seal Class A, Add	80.83	
		For Work In Restricted Working Space, Add	75.78	
23 31 13 13-0630	LF	22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	39.04	
		For Seal Class A, Add	83.28	
		For Work In Restricted Working Space, Add	78.08	
23 31 13 13-0631	LF	22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	40.19	
		For Seal Class A, Add	85.73	
		For Work In Restricted Working Space, Add	80.37	
23 31 13 13-0632	LF	24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	216.18	110.22
		For Seal Class B, Add	27.56	
		For Seal Class A, Add	58.79	
		For Work In Restricted Working Space, Add	55.11	
23 31 13 13-0633	LF	24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	225.16	114.81
		For Seal Class B, Add	28.70	
		For Seal Class A, Add	61.24	
		For Work In Restricted Working Space, Add	57.41	
23 31 13 13-0634	LF	24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.18	119.41
		For Seal Class B, Add	29.85	
		For Seal Class A, Add	63.69	
		For Work In Restricted Working Space, Add	59.71	
23 31 13 13-0635	LF	24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.19	124.00
		For Seal Class B, Add	31.00	
		For Seal Class A, Add	66.13	
		For Work In Restricted Working Space, Add	62.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0636	LF	24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	32.15	
		For Seal Class A, Add	68.58	
		For Work In Restricted Working Space, Add	64.30	
23 31 13 13-0637	LF	24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	33.30	
		For Seal Class A, Add	71.03	
		For Work In Restricted Working Space, Add	66.59	
23 31 13 13-0638	LF	24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	34.45	
		For Seal Class A, Add	73.48	
		For Work In Restricted Working Space, Add	68.89	
23 31 13 13-0639	LF	24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	35.59	
		For Seal Class A, Add	75.93	
		For Work In Restricted Working Space, Add	71.18	
23 31 13 13-0640	LF	24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	36.74	
		For Seal Class A, Add	78.38	
		For Work In Restricted Working Space, Add	73.48	
23 31 13 13-0641	LF	24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	37.89	
		For Seal Class A, Add	80.83	
		For Work In Restricted Working Space, Add	75.78	
23 31 13 13-0642	LF	24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	39.04	
		For Seal Class A, Add	83.28	
		For Work In Restricted Working Space, Add	78.08	
23 31 13 13-0643	LF	24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	40.19	
		For Seal Class A, Add	85.73	
		For Work In Restricted Working Space, Add	80.37	
23 31 13 13-0644	LF	24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	41.33	
		For Seal Class A, Add	88.18	
		For Work In Restricted Working Space, Add	82.67	
23 31 13 13-0645	LF	26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.18	119.41
		For Seal Class B, Add	29.85	
		For Seal Class A, Add	63.69	
		For Work In Restricted Working Space, Add	59.71	
23 31 13 13-0646	LF	26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.19	124.00
		For Seal Class B, Add	31.00	
		For Seal Class A, Add	66.13	
		For Work In Restricted Working Space, Add	62.00	
23 31 13 13-0647	LF	26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	32.15	
		For Seal Class A, Add	68.58	
		For Work In Restricted Working Space, Add	64.30	
23 31 13 13-0648	LF	26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	33.30	
		For Seal Class A, Add	71.03	
		For Work In Restricted Working Space, Add	66.59	
23 31 13 13-0649	LF	26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	34.45	
		For Seal Class A, Add	73.48	
		For Work In Restricted Working Space, Add	68.89	
23 31 13 13-0650	LF	26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	35.59	
		For Seal Class A, Add	75.93	
		For Work In Restricted Working Space, Add	71.18	
23 31 13 13-0651	LF	26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	36.74	
		For Seal Class A, Add	78.38	
		For Work In Restricted Working Space, Add	73.48	
23 31 13 13-0652	LF	26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	37.89	
		For Seal Class A, Add	80.83	
		For Work In Restricted Working Space, Add	75.78	
23 31 13 13-0653	LF	26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	39.04	
		For Seal Class A, Add	83.28	
		For Work In Restricted Working Space, Add	78.08	
23 31 13 13-0654	LF	26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	40.19	
		For Seal Class A, Add	85.73	
		For Work In Restricted Working Space, Add	80.37	
23 31 13 13-0655	LF	26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	41.33	
		For Seal Class A, Add	88.18	
		For Work In Restricted Working Space, Add	82.67	
23 31 13 13-0656	LF	26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.27	169.93
		For Seal Class B, Add	42.48	
		For Seal Class A, Add	90.63	
		For Work In Restricted Working Space, Add	84.97	
23 31 13 13-0657	LF	28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.18	128.59
		For Seal Class B, Add	32.15	
		For Seal Class A, Add	68.58	
		For Work In Restricted Working Space, Add	64.30	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0658	LF	28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.20	133.19
		For Seal Class B, Add	33.30	
		For Seal Class A, Add	71.03	
		For Work In Restricted Working Space, Add	66.59	
23 31 13 13-0659	LF	28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	34.45	
		For Seal Class A, Add	73.48	
		For Work In Restricted Working Space, Add	68.89	
23 31 13 13-0660	LF	28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	35.59	
		For Seal Class A, Add	75.93	
		For Work In Restricted Working Space, Add	71.18	
23 31 13 13-0661	LF	28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	36.74	
		For Seal Class A, Add	78.38	
		For Work In Restricted Working Space, Add	73.48	
23 31 13 13-0662	LF	28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	37.89	
		For Seal Class A, Add	80.83	
		For Work In Restricted Working Space, Add	75.78	
23 31 13 13-0663	LF	28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	39.04	
		For Seal Class A, Add	83.28	
		For Work In Restricted Working Space, Add	78.08	
23 31 13 13-0664	LF	28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	40.19	
		For Seal Class A, Add	85.73	
		For Work In Restricted Working Space, Add	80.37	
23 31 13 13-0665	LF	28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	41.33	
		For Seal Class A, Add	88.18	
		For Work In Restricted Working Space, Add	82.67	
23 31 13 13-0666	LF	28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.27	169.93
		For Seal Class B, Add	42.48	
		For Seal Class A, Add	90.63	
		For Work In Restricted Working Space, Add	84.97	
23 31 13 13-0667	LF	28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.25	174.53
		For Seal Class B, Add	43.63	
		For Seal Class A, Add	93.08	
		For Work In Restricted Working Space, Add	87.26	
23 31 13 13-0668	LF	30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	270.23	137.78
		For Seal Class B, Add	34.45	
		For Seal Class A, Add	73.48	
		For Work In Restricted Working Space, Add	68.89	
23 31 13 13-0669	LF	30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.20	142.36
		For Seal Class B, Add	35.59	
		For Seal Class A, Add	75.93	
		For Work In Restricted Working Space, Add	71.18	
23 31 13 13-0670	LF	30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	36.74	
		For Seal Class A, Add	78.38	
		For Work In Restricted Working Space, Add	73.48	
23 31 13 13-0671	LF	30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	37.89	
		For Seal Class A, Add	80.83	
		For Work In Restricted Working Space, Add	75.78	
23 31 13 13-0672	LF	30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	39.04	
		For Seal Class A, Add	83.28	
		For Work In Restricted Working Space, Add	78.08	
23 31 13 13-0673	LF	30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	40.19	
		For Seal Class A, Add	85.73	
		For Work In Restricted Working Space, Add	80.37	
23 31 13 13-0674	LF	30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	41.33	
		For Seal Class A, Add	88.18	
		For Work In Restricted Working Space, Add	82.67	
23 31 13 13-0675	LF	30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.27	169.93
		For Seal Class B, Add	42.48	
		For Seal Class A, Add	90.63	
		For Work In Restricted Working Space, Add	84.97	
23 31 13 13-0676	LF	30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.25	174.53
		For Seal Class B, Add	43.63	
		For Seal Class A, Add	93.08	
		For Work In Restricted Working Space, Add	87.26	
23 31 13 13-0677	LF	30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.27	179.11
		For Seal Class B, Add	44.78	
		For Seal Class A, Add	95.53	
		For Work In Restricted Working Space, Add	89.56	
23 31 13 13-0678	LF	32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	288.23	146.97
		For Seal Class B, Add	36.74	
		For Seal Class A, Add	78.38	
		For Work In Restricted Working Space, Add	73.48	
23 31 13 13-0679	LF	32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	297.22	151.55
		For Seal Class B, Add	37.89	
		For Seal Class A, Add	80.83	
		For Work In Restricted Working Space, Add	75.78	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0680	LF	32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	39.04	
		For Seal Class A, Add	83.28	
		For Work In Restricted Working Space, Add	78.08	
23 31 13 13-0681	LF	32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	40.19	
		For Seal Class A, Add	85.73	
		For Work In Restricted Working Space, Add	80.37	
23 31 13 13-0682	LF	32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	41.33	
		For Seal Class A, Add	88.18	
		For Work In Restricted Working Space, Add	82.67	
23 31 13 13-0683	LF	32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.27	169.93
		For Seal Class B, Add	42.48	
		For Seal Class A, Add	90.63	
		For Work In Restricted Working Space, Add	84.97	
23 31 13 13-0684	LF	32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.25	174.53
		For Seal Class B, Add	43.63	
		For Seal Class A, Add	93.08	
		For Work In Restricted Working Space, Add	87.26	
23 31 13 13-0685	LF	32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.27	179.11
		For Seal Class B, Add	44.78	
		For Seal Class A, Add	95.53	
		For Work In Restricted Working Space, Add	89.56	
23 31 13 13-0686	LF	32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.29	183.71
		For Seal Class B, Add	45.93	
		For Seal Class A, Add	97.98	
		For Work In Restricted Working Space, Add	91.85	
23 31 13 13-0687	LF	34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	306.24	156.16
		For Seal Class B, Add	39.04	
		For Seal Class A, Add	83.28	
		For Work In Restricted Working Space, Add	78.08	
23 31 13 13-0688	LF	34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	315.25	160.74
		For Seal Class B, Add	40.19	
		For Seal Class A, Add	85.73	
		For Work In Restricted Working Space, Add	80.37	
23 31 13 13-0689	LF	34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	41.33	
		For Seal Class A, Add	88.18	
		For Work In Restricted Working Space, Add	82.67	
23 31 13 13-0690	LF	34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.27	169.93
		For Seal Class B, Add	42.48	
		For Seal Class A, Add	90.63	
		For Work In Restricted Working Space, Add	84.97	
23 31 13 13-0691	LF	34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.25	174.53
		For Seal Class B, Add	43.63	
		For Seal Class A, Add	93.08	
		For Work In Restricted Working Space, Add	87.26	
23 31 13 13-0692	LF	34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.27	179.11
		For Seal Class B, Add	44.78	
		For Seal Class A, Add	95.53	
		For Work In Restricted Working Space, Add	89.56	
23 31 13 13-0693	LF	34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.29	183.71
		For Seal Class B, Add	45.93	
		For Seal Class A, Add	97.98	
		For Work In Restricted Working Space, Add	91.85	
23 31 13 13-0694	LF	34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.28	188.30
		For Seal Class B, Add	47.07	
		For Seal Class A, Add	100.43	
		For Work In Restricted Working Space, Add	94.15	
23 31 13 13-0695	LF	36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	324.24	165.34
		For Seal Class B, Add	41.33	
		For Seal Class A, Add	88.18	
		For Work In Restricted Working Space, Add	82.67	
23 31 13 13-0696	LF	36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	333.27	169.93
		For Seal Class B, Add	42.48	
		For Seal Class A, Add	90.63	
		For Work In Restricted Working Space, Add	84.97	
23 31 13 13-0697	LF	36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.25	174.53
		For Seal Class B, Add	43.63	
		For Seal Class A, Add	93.08	
		For Work In Restricted Working Space, Add	87.26	
23 31 13 13-0698	LF	36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.27	179.11
		For Seal Class B, Add	44.78	
		For Seal Class A, Add	95.53	
		For Work In Restricted Working Space, Add	89.56	
23 31 13 13-0699	LF	36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.29	183.71
		For Seal Class B, Add	45.93	
		For Seal Class A, Add	97.98	
		For Work In Restricted Working Space, Add	91.85	
23 31 13 13-0700	LF	36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.28	188.30
		For Seal Class B, Add	47.07	
		For Seal Class A, Add	100.43	
		For Work In Restricted Working Space, Add	94.15	
23 31 13 13-0701	LF	36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.29	192.89
		For Seal Class B, Add	48.22	
		For Seal Class A, Add	102.87	
		For Work In Restricted Working Space, Add	96.44	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0702	LF	38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	342.25	174.53
		For Seal Class B, Add	43.63	
		For Seal Class A, Add	93.08	
		For Work In Restricted Working Space, Add	87.26	
23 31 13 13-0703	LF	38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.27	179.11
		For Seal Class B, Add	44.78	
		For Seal Class A, Add	95.53	
		For Work In Restricted Working Space, Add	89.56	
23 31 13 13-0704	LF	38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.29	183.71
		For Seal Class B, Add	45.93	
		For Seal Class A, Add	97.98	
		For Work In Restricted Working Space, Add	91.85	
23 31 13 13-0705	LF	38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.28	188.30
		For Seal Class B, Add	47.07	
		For Seal Class A, Add	100.43	
		For Work In Restricted Working Space, Add	94.15	
23 31 13 13-0706	LF	38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.29	192.89
		For Seal Class B, Add	48.22	
		For Seal Class A, Add	102.87	
		For Work In Restricted Working Space, Add	96.44	
23 31 13 13-0707	LF	38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.31	197.49
		For Seal Class B, Add	49.37	
		For Seal Class A, Add	105.32	
		For Work In Restricted Working Space, Add	98.74	
23 31 13 13-0708	LF	38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.31	202.08
		For Seal Class B, Add	50.52	
		For Seal Class A, Add	107.78	
		For Work In Restricted Working Space, Add	101.04	
23 31 13 13-0709	LF	40" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	360.29	183.71
		For Seal Class B, Add	45.93	
		For Seal Class A, Add	97.98	
		For Work In Restricted Working Space, Add	91.85	
23 31 13 13-0710	LF	40" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	369.28	188.30
		For Seal Class B, Add	47.07	
		For Seal Class A, Add	100.43	
		For Work In Restricted Working Space, Add	94.15	
23 31 13 13-0711	LF	40" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.29	192.89
		For Seal Class B, Add	48.22	
		For Seal Class A, Add	102.87	
		For Work In Restricted Working Space, Add	96.44	
23 31 13 13-0712	LF	40" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.31	197.49
		For Seal Class B, Add	49.37	
		For Seal Class A, Add	105.32	
		For Work In Restricted Working Space, Add	98.74	
23 31 13 13-0713	LF	40" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.31	202.08
		For Seal Class B, Add	50.52	
		For Seal Class A, Add	107.78	
		For Work In Restricted Working Space, Add	101.04	
23 31 13 13-0714	LF	40" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	405.32	206.66
		For Seal Class B, Add	51.67	
		For Seal Class A, Add	110.22	
		For Work In Restricted Working Space, Add	103.34	
23 31 13 13-0715	LF	40" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.31	211.27
		For Seal Class B, Add	52.82	
		For Seal Class A, Add	112.67	
		For Work In Restricted Working Space, Add	105.63	
23 31 13 13-0716	LF	40" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.32	215.85
		For Seal Class B, Add	53.96	
		For Seal Class A, Add	115.12	
		For Work In Restricted Working Space, Add	107.93	
23 31 13 13-0717	LF	40" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	432.34	220.45
		For Seal Class B, Add	55.11	
		For Seal Class A, Add	117.57	
		For Work In Restricted Working Space, Add	110.22	
23 31 13 13-0718	LF	42" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	378.29	192.89
		For Seal Class B, Add	48.22	
		For Seal Class A, Add	102.87	
		For Work In Restricted Working Space, Add	96.44	
23 31 13 13-0719	LF	42" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.31	197.49
		For Seal Class B, Add	49.37	
		For Seal Class A, Add	105.32	
		For Work In Restricted Working Space, Add	98.74	
23 31 13 13-0720	LF	42" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.31	202.08
		For Seal Class B, Add	50.52	
		For Seal Class A, Add	107.78	
		For Work In Restricted Working Space, Add	101.04	
23 31 13 13-0721	LF	42" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	405.32	206.66
		For Seal Class B, Add	51.67	
		For Seal Class A, Add	110.22	
		For Work In Restricted Working Space, Add	103.34	
23 31 13 13-0722	LF	42" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.31	211.27
		For Seal Class B, Add	52.82	
		For Seal Class A, Add	112.67	
		For Work In Restricted Working Space, Add	105.63	
23 31 13 13-0723	LF	42" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.32	215.85
		For Seal Class B, Add	53.96	
		For Seal Class A, Add	115.12	
		For Work In Restricted Working Space, Add	107.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0724	LF 42" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	432.34	220.45
	For Seal Class B, Add	55.11	
	For Seal Class A, Add	117.57	
	For Work In Restricted Working Space, Add	110.22	
23 31 13 13-0725	LF 42" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.33	225.04
	For Seal Class B, Add	56.26	
	For Seal Class A, Add	120.02	
	For Work In Restricted Working Space, Add	112.52	
23 31 13 13-0726	LF 44" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.31	202.08
	For Seal Class B, Add	50.52	
	For Seal Class A, Add	107.78	
	For Work In Restricted Working Space, Add	101.04	
23 31 13 13-0727	LF 44" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	405.32	206.66
	For Seal Class B, Add	51.67	
	For Seal Class A, Add	110.22	
	For Work In Restricted Working Space, Add	103.34	
23 31 13 13-0728	LF 44" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.31	211.27
	For Seal Class B, Add	52.82	
	For Seal Class A, Add	112.67	
	For Work In Restricted Working Space, Add	105.63	
23 31 13 13-0729	LF 44" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.32	215.85
	For Seal Class B, Add	53.96	
	For Seal Class A, Add	115.12	
	For Work In Restricted Working Space, Add	107.93	
23 31 13 13-0730	LF 44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	432.34	220.45
	For Seal Class B, Add	55.11	
	For Seal Class A, Add	117.57	
	For Work In Restricted Working Space, Add	110.22	
23 31 13 13-0731	LF 44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.33	225.04
	For Seal Class B, Add	56.26	
	For Seal Class A, Add	120.02	
	For Work In Restricted Working Space, Add	112.52	
23 31 13 13-0732	LF 44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	450.35	229.64
	For Seal Class B, Add	57.41	
	For Seal Class A, Add	122.47	
	For Work In Restricted Working Space, Add	114.82	
23 31 13 13-0733	LF 46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	414.31	211.27
	For Seal Class B, Add	52.82	
	For Seal Class A, Add	112.67	
	For Work In Restricted Working Space, Add	105.63	
23 31 13 13-0734	LF 46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	423.32	215.85
	For Seal Class B, Add	53.96	
	For Seal Class A, Add	115.12	
	For Work In Restricted Working Space, Add	107.93	
23 31 13 13-0735	LF 46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	432.34	220.45
	For Seal Class B, Add	55.11	
	For Seal Class A, Add	117.57	
	For Work In Restricted Working Space, Add	110.22	
23 31 13 13-0736	LF 46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.33	225.04
	For Seal Class B, Add	56.26	
	For Seal Class A, Add	120.02	
	For Work In Restricted Working Space, Add	112.52	
23 31 13 13-0737	LF 46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	450.35	229.64
	For Seal Class B, Add	57.41	
	For Seal Class A, Add	122.47	
	For Work In Restricted Working Space, Add	114.82	
23 31 13 13-0738	LF 46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	467.02	238.83
	For Seal Class B, Add	59.70	
	For Seal Class A, Add	127.37	
	For Work In Restricted Working Space, Add	119.41	
23 31 13 13-0739	LF 46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	476.01	243.41
	For Seal Class B, Add	60.85	
	For Seal Class A, Add	129.82	
	For Work In Restricted Working Space, Add	121.70	
23 31 13 13-0740	LF 48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	432.34	220.45
	For Seal Class B, Add	55.11	
	For Seal Class A, Add	117.57	
	For Work In Restricted Working Space, Add	110.22	
23 31 13 13-0741	LF 48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	441.33	225.04
	For Seal Class B, Add	56.26	
	For Seal Class A, Add	120.02	
	For Work In Restricted Working Space, Add	112.52	
23 31 13 13-0742	LF 48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	450.35	229.64
	For Seal Class B, Add	57.41	
	For Seal Class A, Add	122.47	
	For Work In Restricted Working Space, Add	114.82	
23 31 13 13-0743	LF 48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.37	234.22
	For Seal Class B, Add	58.56	
	For Seal Class A, Add	124.92	
	For Work In Restricted Working Space, Add	117.11	
23 31 13 13-0744	LF 48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	468.36	238.83
	For Seal Class B, Add	59.70	
	For Seal Class A, Add	127.37	
	For Work In Restricted Working Space, Add	119.41	
23 31 13 13-0745	LF 48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	477.37	243.41
	For Seal Class B, Add	60.85	
	For Seal Class A, Add	129.82	
	For Work In Restricted Working Space, Add	121.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0746	LF	48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	486.36	248.00
			For Seal Class B, Add	62.00	
			For Seal Class A, Add	132.27	
			For Work In Restricted Working Space, Add	124.00	
23 31 13	13-0747	LF	50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	450.35	229.64
			For Seal Class B, Add	57.41	
			For Seal Class A, Add	122.47	
			For Work In Restricted Working Space, Add	114.82	
23 31 13	13-0748	LF	50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	459.37	234.22
			For Seal Class B, Add	58.56	
			For Seal Class A, Add	124.92	
			For Work In Restricted Working Space, Add	117.11	
23 31 13	13-0749	LF	50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	468.36	238.83
			For Seal Class B, Add	59.70	
			For Seal Class A, Add	127.37	
			For Work In Restricted Working Space, Add	119.41	
23 31 13	13-0750	LF	50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	477.37	243.41
			For Seal Class B, Add	60.85	
			For Seal Class A, Add	129.82	
			For Work In Restricted Working Space, Add	121.70	
23 31 13	13-0751	LF	50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	486.36	248.00
			For Seal Class B, Add	62.00	
			For Seal Class A, Add	132.27	
			For Work In Restricted Working Space, Add	124.00	
23 31 13	13-0752	LF	50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.38	252.60
			For Seal Class B, Add	63.15	
			For Seal Class A, Add	134.72	
			For Work In Restricted Working Space, Add	126.30	
23 31 13	13-0753	LF	52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	468.36	238.83
			For Seal Class B, Add	59.70	
			For Seal Class A, Add	127.37	
			For Work In Restricted Working Space, Add	119.41	
23 31 13	13-0754	LF	52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	477.37	243.41
			For Seal Class B, Add	60.85	
			For Seal Class A, Add	129.82	
			For Work In Restricted Working Space, Add	121.70	
23 31 13	13-0755	LF	52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	486.36	248.00
			For Seal Class B, Add	62.00	
			For Seal Class A, Add	132.27	
			For Work In Restricted Working Space, Add	124.00	
23 31 13	13-0756	LF	52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.38	252.60
			For Seal Class B, Add	63.15	
			For Seal Class A, Add	134.72	
			For Work In Restricted Working Space, Add	126.30	
23 31 13	13-0757	LF	52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.41	257.19
			For Seal Class B, Add	64.30	
			For Seal Class A, Add	137.17	
			For Work In Restricted Working Space, Add	128.60	
23 31 13	13-0758	LF	54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	486.36	248.00
			For Seal Class B, Add	62.00	
			For Seal Class A, Add	132.27	
			For Work In Restricted Working Space, Add	124.00	
23 31 13	13-0759	LF	54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	495.38	252.60
			For Seal Class B, Add	63.15	
			For Seal Class A, Add	134.72	
			For Work In Restricted Working Space, Add	126.30	
23 31 13	13-0760	LF	54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.41	257.19
			For Seal Class B, Add	64.30	
			For Seal Class A, Add	137.17	
			For Work In Restricted Working Space, Add	128.60	
23 31 13	13-0761	LF	54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	513.39	261.78
			For Seal Class B, Add	65.45	
			For Seal Class A, Add	139.62	
			For Work In Restricted Working Space, Add	130.89	
23 31 13	13-0762	LF	54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	522.41	266.37
			For Seal Class B, Add	66.59	
			For Seal Class A, Add	142.07	
			For Work In Restricted Working Space, Add	133.19	
23 31 13	13-0763	LF	54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	531.40	270.97
			For Seal Class B, Add	67.74	
			For Seal Class A, Add	144.52	
			For Work In Restricted Working Space, Add	135.48	
23 31 13	13-0764	LF	56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.41	257.19
			For Seal Class B, Add	64.30	
			For Seal Class A, Add	137.17	
			For Work In Restricted Working Space, Add	128.60	
23 31 13	13-0765	LF	56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	513.39	261.78
			For Seal Class B, Add	65.45	
			For Seal Class A, Add	139.62	
			For Work In Restricted Working Space, Add	130.89	
23 31 13	13-0766	LF	56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	522.41	266.37
			For Seal Class B, Add	66.59	
			For Seal Class A, Add	142.07	
			For Work In Restricted Working Space, Add	133.19	
23 31 13	13-0767	LF	56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	531.40	270.97
			For Seal Class B, Add	67.74	
			For Seal Class A, Add	144.52	
			For Work In Restricted Working Space, Add	135.48	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-0768	LF	56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	540.41		275.55
		For Seal Class B, Add	68.89		
		For Seal Class A, Add	146.96		
		For Work In Restricted Working Space, Add	137.78		
23 31 13 13-0769	LF	58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	522.41		266.37
		For Seal Class B, Add	66.59		
		For Seal Class A, Add	142.07		
		For Work In Restricted Working Space, Add	133.19		
23 31 13 13-0770	LF	58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	531.40		270.97
		For Seal Class B, Add	67.74		
		For Seal Class A, Add	144.52		
		For Work In Restricted Working Space, Add	135.48		
23 31 13 13-0771	LF	58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	540.41		275.55
		For Seal Class B, Add	68.89		
		For Seal Class A, Add	146.96		
		For Work In Restricted Working Space, Add	137.78		
23 31 13 13-0772	LF	58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	549.42		280.15
		For Seal Class B, Add	70.04		
		For Seal Class A, Add	149.41		
		For Work In Restricted Working Space, Add	140.07		
23 31 13 13-0773	LF	58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	558.42		284.74
		For Seal Class B, Add	71.19		
		For Seal Class A, Add	151.86		
		For Work In Restricted Working Space, Add	142.37		
23 31 13 13-0774	LF	60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	540.41		275.55
		For Seal Class B, Add	68.89		
		For Seal Class A, Add	146.96		
		For Work In Restricted Working Space, Add	137.78		
23 31 13 13-0775	LF	60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	549.42		280.15
		For Seal Class B, Add	70.04		
		For Seal Class A, Add	149.41		
		For Work In Restricted Working Space, Add	140.07		
23 31 13 13-0776	LF	60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	558.42		284.74
		For Seal Class B, Add	71.19		
		For Seal Class A, Add	151.86		
		For Work In Restricted Working Space, Add	142.37		
23 31 13 13-0777	LF	60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.45		289.33
		For Seal Class B, Add	72.34		
		For Seal Class A, Add	154.32		
		For Work In Restricted Working Space, Add	144.67		
23 31 13 13-0778	LF	60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	576.45		293.93
		For Seal Class B, Add	73.48		
		For Seal Class A, Add	156.76		
		For Work In Restricted Working Space, Add	146.96		
23 31 13 13-0779	LF	62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	558.42		284.74
		For Seal Class B, Add	71.19		
		For Seal Class A, Add	151.86		
		For Work In Restricted Working Space, Add	142.37		
23 31 13 13-0780	LF	62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	567.45		289.33
		For Seal Class B, Add	72.34		
		For Seal Class A, Add	154.32		
		For Work In Restricted Working Space, Add	144.67		
23 31 13 13-0781	LF	62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	576.45		293.93
		For Seal Class B, Add	73.48		
		For Seal Class A, Add	156.76		
		For Work In Restricted Working Space, Add	146.96		
23 31 13 13-0782	LF	62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	585.45		298.52
		For Seal Class B, Add	74.63		
		For Seal Class A, Add	159.21		
		For Work In Restricted Working Space, Add	149.26		
23 31 13 13-0783	LF	62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	594.46		303.11
		For Seal Class B, Add	75.78		
		For Seal Class A, Add	161.66		
		For Work In Restricted Working Space, Add	151.56		
23 31 13 13-0784	LF	64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	576.45		293.93
		For Seal Class B, Add	73.48		
		For Seal Class A, Add	156.76		
		For Work In Restricted Working Space, Add	146.96		
23 31 13 13-0785	LF	64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	585.45		298.52
		For Seal Class B, Add	74.63		
		For Seal Class A, Add	159.21		
		For Work In Restricted Working Space, Add	149.26		
23 31 13 13-0786	LF	64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	594.46		303.11
		For Seal Class B, Add	75.78		
		For Seal Class A, Add	161.66		
		For Work In Restricted Working Space, Add	151.56		
23 31 13 13-0787	LF	64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.45		307.71
		For Seal Class B, Add	76.93		
		For Seal Class A, Add	164.11		
		For Work In Restricted Working Space, Add	153.85		
23 31 13 13-0788	LF	66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	594.46		303.11
		For Seal Class B, Add	75.78		
		For Seal Class A, Add	161.66		
		For Work In Restricted Working Space, Add	151.56		
23 31 13 13-0789	LF	66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.45		307.71
		For Seal Class B, Add	76.93		
		For Seal Class A, Add	164.11		
		For Work In Restricted Working Space, Add	153.85		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0790	LF	66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	612.46	312.29
		For Seal Class B, Add	78.07	
		For Seal Class A, Add	166.56	
		For Work In Restricted Working Space, Add	156.15	
23 31 13 13-0791	LF	66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	621.49	316.89
		For Seal Class B, Add	79.22	
		For Seal Class A, Add	169.01	
		For Work In Restricted Working Space, Add	158.45	
23 31 13 13-0792	LF	68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	612.46	312.29
		For Seal Class B, Add	78.07	
		For Seal Class A, Add	166.56	
		For Work In Restricted Working Space, Add	156.15	
23 31 13 13-0793	LF	68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	621.49	316.89
		For Seal Class B, Add	79.22	
		For Seal Class A, Add	169.01	
		For Work In Restricted Working Space, Add	158.45	
23 31 13 13-0794	LF	68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	630.48	321.48
		For Seal Class B, Add	80.37	
		For Seal Class A, Add	171.46	
		For Work In Restricted Working Space, Add	160.74	
23 31 13 13-0795	LF	68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	639.49	326.08
		For Seal Class B, Add	81.52	
		For Seal Class A, Add	173.91	
		For Work In Restricted Working Space, Add	163.04	
23 31 13 13-0796	LF	70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	630.48	321.48
		For Seal Class B, Add	80.37	
		For Seal Class A, Add	171.46	
		For Work In Restricted Working Space, Add	160.74	
23 31 13 13-0797	LF	70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	639.49	326.08
		For Seal Class B, Add	81.52	
		For Seal Class A, Add	173.91	
		For Work In Restricted Working Space, Add	163.04	
23 31 13 13-0798	LF	70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	648.52	330.66
		For Seal Class B, Add	82.67	
		For Seal Class A, Add	176.36	
		For Work In Restricted Working Space, Add	165.34	
23 31 13 13-0799	LF	70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.50	335.27
		For Seal Class B, Add	83.82	
		For Seal Class A, Add	178.81	
		For Work In Restricted Working Space, Add	167.63	
23 31 13 13-0800	LF	70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	666.52	339.85
		For Seal Class B, Add	84.96	
		For Seal Class A, Add	181.25	
		For Work In Restricted Working Space, Add	169.93	
23 31 13 13-0801	LF	70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	675.50	344.45
		For Seal Class B, Add	86.11	
		For Seal Class A, Add	183.70	
		For Work In Restricted Working Space, Add	172.22	
23 31 13 13-0802	LF	70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	684.53	349.04
		For Seal Class B, Add	87.26	
		For Seal Class A, Add	186.16	
		For Work In Restricted Working Space, Add	174.52	
23 31 13 13-0803	LF	70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	693.55	353.63
		For Seal Class B, Add	88.41	
		For Seal Class A, Add	188.60	
		For Work In Restricted Working Space, Add	176.82	
23 31 13 13-0804	LF	72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	648.52	330.66
		For Seal Class B, Add	82.67	
		For Seal Class A, Add	176.36	
		For Work In Restricted Working Space, Add	165.34	
23 31 13 13-0805	LF	72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.50	335.27
		For Seal Class B, Add	83.82	
		For Seal Class A, Add	178.81	
		For Work In Restricted Working Space, Add	167.63	
23 31 13 13-0806	LF	72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	666.52	339.85
		For Seal Class B, Add	84.96	
		For Seal Class A, Add	181.25	
		For Work In Restricted Working Space, Add	169.93	
23 31 13 13-0807	LF	72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	675.50	344.45
		For Seal Class B, Add	86.11	
		For Seal Class A, Add	183.70	
		For Work In Restricted Working Space, Add	172.22	
23 31 13 13-0808	LF	72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	684.53	349.04
		For Seal Class B, Add	87.26	
		For Seal Class A, Add	186.16	
		For Work In Restricted Working Space, Add	174.52	
23 31 13 13-0809	LF	72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	693.55	353.63
		For Seal Class B, Add	88.41	
		For Seal Class A, Add	188.60	
		For Work In Restricted Working Space, Add	176.82	
23 31 13 13-0810	LF	72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	702.53	358.22
		For Seal Class B, Add	89.56	
		For Seal Class A, Add	191.05	
		For Work In Restricted Working Space, Add	179.11	
23 31 13 13-0811	LF	74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	666.52	339.85
		For Seal Class B, Add	84.96	
		For Seal Class A, Add	181.25	
		For Work In Restricted Working Space, Add	169.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-0812	LF	74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	675.50		344.45
		For Seal Class B, Add	86.11		
		For Seal Class A, Add	183.70		
		For Work In Restricted Working Space, Add	172.22		
23 31 13 13-0813	LF	74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	684.53		349.04
		For Seal Class B, Add	87.26		
		For Seal Class A, Add	186.16		
		For Work In Restricted Working Space, Add	174.52		
23 31 13 13-0814	LF	74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	693.55		353.63
		For Seal Class B, Add	88.41		
		For Seal Class A, Add	188.60		
		For Work In Restricted Working Space, Add	176.82		
23 31 13 13-0815	LF	74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	702.53		358.22
		For Seal Class B, Add	89.56		
		For Seal Class A, Add	191.05		
		For Work In Restricted Working Space, Add	179.11		
23 31 13 13-0816	LF	74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	711.56		362.82
		For Seal Class B, Add	90.71		
		For Seal Class A, Add	193.50		
		For Work In Restricted Working Space, Add	181.41		
23 31 13 13-0817	LF	76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	684.53		349.04
		For Seal Class B, Add	87.26		
		For Seal Class A, Add	186.16		
		For Work In Restricted Working Space, Add	174.52		
23 31 13 13-0818	LF	76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	693.55		353.63
		For Seal Class B, Add	88.41		
		For Seal Class A, Add	188.60		
		For Work In Restricted Working Space, Add	176.82		
23 31 13 13-0819	LF	76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	702.53		358.22
		For Seal Class B, Add	89.56		
		For Seal Class A, Add	191.05		
		For Work In Restricted Working Space, Add	179.11		
23 31 13 13-0820	LF	76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	711.56		362.82
		For Seal Class B, Add	90.71		
		For Seal Class A, Add	193.50		
		For Work In Restricted Working Space, Add	181.41		
23 31 13 13-0821	LF	76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	720.54		367.41
		For Seal Class B, Add	91.85		
		For Seal Class A, Add	195.95		
		For Work In Restricted Working Space, Add	183.71		
23 31 13 13-0822	LF	78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	702.53		358.22
		For Seal Class B, Add	89.56		
		For Seal Class A, Add	191.05		
		For Work In Restricted Working Space, Add	179.11		
23 31 13 13-0823	LF	78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	711.56		362.82
		For Seal Class B, Add	90.71		
		For Seal Class A, Add	193.50		
		For Work In Restricted Working Space, Add	181.41		
23 31 13 13-0824	LF	78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	720.54		367.41
		For Seal Class B, Add	91.85		
		For Seal Class A, Add	195.95		
		For Work In Restricted Working Space, Add	183.71		
23 31 13 13-0825	LF	78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	729.56		372.00
		For Seal Class B, Add	93.00		
		For Seal Class A, Add	198.40		
		For Work In Restricted Working Space, Add	186.00		
23 31 13 13-0826	LF	80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	720.54		367.41
		For Seal Class B, Add	91.85		
		For Seal Class A, Add	195.95		
		For Work In Restricted Working Space, Add	183.71		
23 31 13 13-0827	LF	80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	729.56		372.00
		For Seal Class B, Add	93.00		
		For Seal Class A, Add	198.40		
		For Work In Restricted Working Space, Add	186.00		
23 31 13 13-0828	LF	80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	738.57		376.60
		For Seal Class B, Add	94.15		
		For Seal Class A, Add	200.85		
		For Work In Restricted Working Space, Add	188.30		
23 31 13 13-0829	LF	82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	738.57		376.60
		For Seal Class B, Add	94.15		
		For Seal Class A, Add	200.85		
		For Work In Restricted Working Space, Add	188.30		
23 31 13 13-0830	LF	82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	747.57		381.19
		For Seal Class B, Add	95.30		
		For Seal Class A, Add	203.30		
		For Work In Restricted Working Space, Add	190.60		
23 31 13 13-0831	LF	84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	756.59		385.77
		For Seal Class B, Add	96.45		
		For Seal Class A, Add	205.75		
		For Work In Restricted Working Space, Add	192.89		
23 31 13 13-0832		18 Gauge Galvanized Steel Metal Ductwork (23 31 13 13-0014)			
		Note: Seal Class C			
23 31 13 13-0833	LF	4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.92		23.91
		For Seal Class B, Add	5.98		
		For Seal Class A, Add	12.76		
		For Work In Restricted Working Space, Add	11.96		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	13-0834	LF	4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	58.63	29.89
			For Seal Class B, Add	7.47	
			For Seal Class A, Add	15.95	
			For Work In Restricted Working Space, Add	14.95	
23 31 13	13-0835	LF	4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.35	35.88
			For Seal Class B, Add	8.97	
			For Seal Class A, Add	19.13	
			For Work In Restricted Working Space, Add	17.94	
23 31 13	13-0836	LF	4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.08	41.86
			For Seal Class B, Add	10.46	
			For Seal Class A, Add	22.32	
			For Work In Restricted Working Space, Add	20.93	
23 31 13	13-0837	LF	4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.82	47.84
			For Seal Class B, Add	11.96	
			For Seal Class A, Add	25.51	
			For Work In Restricted Working Space, Add	23.92	
23 31 13	13-0838	LF	4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.53	53.81
			For Seal Class B, Add	13.45	
			For Seal Class A, Add	28.70	
			For Work In Restricted Working Space, Add	26.90	
23 31 13	13-0839	LF	4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	117.27	59.79
			For Seal Class B, Add	14.95	
			For Seal Class A, Add	31.89	
			For Work In Restricted Working Space, Add	29.90	
23 31 13	13-0840	LF	6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.35	35.88
			For Seal Class B, Add	8.97	
			For Seal Class A, Add	19.13	
			For Work In Restricted Working Space, Add	17.94	
23 31 13	13-0841	LF	6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	82.08	41.86
			For Seal Class B, Add	10.46	
			For Seal Class A, Add	22.32	
			For Work In Restricted Working Space, Add	20.93	
23 31 13	13-0842	LF	6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.82	47.84
			For Seal Class B, Add	11.96	
			For Seal Class A, Add	25.51	
			For Work In Restricted Working Space, Add	23.92	
23 31 13	13-0843	LF	6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.53	53.81
			For Seal Class B, Add	13.45	
			For Seal Class A, Add	28.70	
			For Work In Restricted Working Space, Add	26.90	
23 31 13	13-0844	LF	6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	117.27	59.79
			For Seal Class B, Add	14.95	
			For Seal Class A, Add	31.89	
			For Work In Restricted Working Space, Add	29.90	
23 31 13	13-0845	LF	6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	128.99	65.77
			For Seal Class B, Add	16.44	
			For Seal Class A, Add	35.08	
			For Work In Restricted Working Space, Add	32.89	
23 31 13	13-0846	LF	8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.82	47.84
			For Seal Class B, Add	11.96	
			For Seal Class A, Add	25.51	
			For Work In Restricted Working Space, Add	23.92	
23 31 13	13-0847	LF	8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	105.53	53.81
			For Seal Class B, Add	13.45	
			For Seal Class A, Add	28.70	
			For Work In Restricted Working Space, Add	26.90	
23 31 13	13-0848	LF	8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	117.27	59.79
			For Seal Class B, Add	14.95	
			For Seal Class A, Add	31.89	
			For Work In Restricted Working Space, Add	29.90	
23 31 13	13-0849	LF	8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	128.99	65.77
			For Seal Class B, Add	16.44	
			For Seal Class A, Add	35.08	
			For Work In Restricted Working Space, Add	32.89	
23 31 13	13-0850	LF	8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.71	71.75
			For Seal Class B, Add	17.94	
			For Seal Class A, Add	38.27	
			For Work In Restricted Working Space, Add	35.88	
23 31 13	13-0851	LF	8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.45	77.72
			For Seal Class B, Add	19.43	
			For Seal Class A, Add	41.46	
			For Work In Restricted Working Space, Add	38.87	
23 31 13	13-0852	LF	8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.17	83.71
			For Seal Class B, Add	20.93	
			For Seal Class A, Add	44.64	
			For Work In Restricted Working Space, Add	41.85	
23 31 13	13-0853	LF	8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.89	89.68
			For Seal Class B, Add	22.42	
			For Seal Class A, Add	47.83	
			For Work In Restricted Working Space, Add	44.84	
23 31 13	13-0854	LF	8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.61	95.67
			For Seal Class B, Add	23.92	
			For Seal Class A, Add	51.02	
			For Work In Restricted Working Space, Add	47.83	
23 31 13	13-0855	LF	10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	117.27	59.79
			For Seal Class B, Add	14.95	
			For Seal Class A, Add	31.89	
			For Work In Restricted Working Space, Add	29.90	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0856	LF	10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	128.99	65.77
		For Seal Class B, Add	16.44	
		For Seal Class A, Add	35.08	
		For Work In Restricted Working Space, Add	32.89	
23 31 13 13-0857	LF	10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.71	71.75
		For Seal Class B, Add	17.94	
		For Seal Class A, Add	38.27	
		For Work In Restricted Working Space, Add	35.88	
23 31 13 13-0858	LF	10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.45	77.72
		For Seal Class B, Add	19.43	
		For Seal Class A, Add	41.46	
		For Work In Restricted Working Space, Add	38.87	
23 31 13 13-0859	LF	10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.17	83.71
		For Seal Class B, Add	20.93	
		For Seal Class A, Add	44.64	
		For Work In Restricted Working Space, Add	41.85	
23 31 13 13-0860	LF	10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.89	89.68
		For Seal Class B, Add	22.42	
		For Seal Class A, Add	47.83	
		For Work In Restricted Working Space, Add	44.84	
23 31 13 13-0861	LF	10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.61	95.67
		For Seal Class B, Add	23.92	
		For Seal Class A, Add	51.02	
		For Work In Restricted Working Space, Add	47.83	
23 31 13 13-0862	LF	10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.34	101.65
		For Seal Class B, Add	25.41	
		For Seal Class A, Add	54.21	
		For Work In Restricted Working Space, Add	50.83	
23 31 13 13-0863	LF	10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.09	107.63
		For Seal Class B, Add	26.91	
		For Seal Class A, Add	57.40	
		For Work In Restricted Working Space, Add	53.81	
23 31 13 13-0864	LF	10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.81	113.61
		For Seal Class B, Add	28.40	
		For Seal Class A, Add	60.59	
		For Work In Restricted Working Space, Add	56.81	
23 31 13 13-0865	LF	10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.53	119.59
		For Seal Class B, Add	29.90	
		For Seal Class A, Add	63.78	
		For Work In Restricted Working Space, Add	59.79	
23 31 13 13-0866	LF	10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.24	125.56
		For Seal Class B, Add	31.39	
		For Seal Class A, Add	66.97	
		For Work In Restricted Working Space, Add	62.78	
23 31 13 13-0867	LF	12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	140.71	71.75
		For Seal Class B, Add	17.94	
		For Seal Class A, Add	38.27	
		For Work In Restricted Working Space, Add	35.88	
23 31 13 13-0868	LF	12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.45	77.72
		For Seal Class B, Add	19.43	
		For Seal Class A, Add	41.46	
		For Work In Restricted Working Space, Add	38.87	
23 31 13 13-0869	LF	12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.17	83.71
		For Seal Class B, Add	20.93	
		For Seal Class A, Add	44.64	
		For Work In Restricted Working Space, Add	41.85	
23 31 13 13-0870	LF	12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.89	89.68
		For Seal Class B, Add	22.42	
		For Seal Class A, Add	47.83	
		For Work In Restricted Working Space, Add	44.84	
23 31 13 13-0871	LF	12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.61	95.67
		For Seal Class B, Add	23.92	
		For Seal Class A, Add	51.02	
		For Work In Restricted Working Space, Add	47.83	
23 31 13 13-0872	LF	12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	199.34	101.65
		For Seal Class B, Add	25.41	
		For Seal Class A, Add	54.21	
		For Work In Restricted Working Space, Add	50.83	
23 31 13 13-0873	LF	12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.09	107.63
		For Seal Class B, Add	26.91	
		For Seal Class A, Add	57.40	
		For Work In Restricted Working Space, Add	53.81	
23 31 13 13-0874	LF	12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.81	113.61
		For Seal Class B, Add	28.40	
		For Seal Class A, Add	60.59	
		For Work In Restricted Working Space, Add	56.81	
23 31 13 13-0875	LF	12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.53	119.59
		For Seal Class B, Add	29.90	
		For Seal Class A, Add	63.78	
		For Work In Restricted Working Space, Add	59.79	
23 31 13 13-0876	LF	12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.24	125.56
		For Seal Class B, Add	31.39	
		For Seal Class A, Add	66.97	
		For Work In Restricted Working Space, Add	62.78	
23 31 13 13-0877	LF	12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.96	131.55
		For Seal Class B, Add	32.88	
		For Seal Class A, Add	70.15	
		For Work In Restricted Working Space, Add	65.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0878	LF	12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	269.71	137.52
		For Seal Class B, Add	.....	34.38	
		For Seal Class A, Add	.....	73.34	
		For Work In Restricted Working Space, Add	.....	68.76	
23 31 13 13-0879	LF	12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	281.45	143.50
		For Seal Class B, Add	.....	35.88	
		For Seal Class A, Add	.....	76.54	
		For Work In Restricted Working Space, Add	.....	71.75	
23 31 13 13-0880	LF	14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	164.17	83.71
		For Seal Class B, Add	.....	20.93	
		For Seal Class A, Add	.....	44.64	
		For Work In Restricted Working Space, Add	.....	41.85	
23 31 13 13-0881	LF	14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	175.89	89.68
		For Seal Class B, Add	.....	22.42	
		For Seal Class A, Add	.....	47.83	
		For Work In Restricted Working Space, Add	.....	44.64	
23 31 13 13-0882	LF	14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	187.61	95.67
		For Seal Class B, Add	.....	23.92	
		For Seal Class A, Add	.....	51.02	
		For Work In Restricted Working Space, Add	.....	47.83	
23 31 13 13-0883	LF	14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	199.34	101.65
		For Seal Class B, Add	.....	25.41	
		For Seal Class A, Add	.....	54.21	
		For Work In Restricted Working Space, Add	.....	50.83	
23 31 13 13-0884	LF	14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	211.09	107.63
		For Seal Class B, Add	.....	26.91	
		For Seal Class A, Add	.....	57.40	
		For Work In Restricted Working Space, Add	.....	53.81	
23 31 13 13-0885	LF	14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	222.81	113.61
		For Seal Class B, Add	.....	28.40	
		For Seal Class A, Add	.....	60.59	
		For Work In Restricted Working Space, Add	.....	56.81	
23 31 13 13-0886	LF	14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	234.53	119.59
		For Seal Class B, Add	.....	29.90	
		For Seal Class A, Add	.....	63.78	
		For Work In Restricted Working Space, Add	.....	59.79	
23 31 13 13-0887	LF	14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	246.24	125.56
		For Seal Class B, Add	.....	31.39	
		For Seal Class A, Add	.....	66.97	
		For Work In Restricted Working Space, Add	.....	62.78	
23 31 13 13-0888	LF	14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	257.96	131.55
		For Seal Class B, Add	.....	32.88	
		For Seal Class A, Add	.....	70.15	
		For Work In Restricted Working Space, Add	.....	65.77	
23 31 13 13-0889	LF	14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	269.71	137.52
		For Seal Class B, Add	.....	34.38	
		For Seal Class A, Add	.....	73.34	
		For Work In Restricted Working Space, Add	.....	68.76	
23 31 13 13-0890	LF	14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	281.45	143.50
		For Seal Class B, Add	.....	35.88	
		For Seal Class A, Add	.....	76.54	
		For Work In Restricted Working Space, Add	.....	71.75	
23 31 13 13-0891	LF	14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	293.16	149.48
		For Seal Class B, Add	.....	37.37	
		For Seal Class A, Add	.....	79.72	
		For Work In Restricted Working Space, Add	.....	74.74	
23 31 13 13-0892	LF	16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	187.61	95.67
		For Seal Class B, Add	.....	23.92	
		For Seal Class A, Add	.....	51.02	
		For Work In Restricted Working Space, Add	.....	47.83	
23 31 13 13-0893	LF	16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	199.34	101.65
		For Seal Class B, Add	.....	25.41	
		For Seal Class A, Add	.....	54.21	
		For Work In Restricted Working Space, Add	.....	50.83	
23 31 13 13-0894	LF	16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	211.09	107.63
		For Seal Class B, Add	.....	26.91	
		For Seal Class A, Add	.....	57.40	
		For Work In Restricted Working Space, Add	.....	53.81	
23 31 13 13-0895	LF	16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	222.81	113.61
		For Seal Class B, Add	.....	28.40	
		For Seal Class A, Add	.....	60.59	
		For Work In Restricted Working Space, Add	.....	56.81	
23 31 13 13-0896	LF	16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	234.53	119.59
		For Seal Class B, Add	.....	29.90	
		For Seal Class A, Add	.....	63.78	
		For Work In Restricted Working Space, Add	.....	59.79	
23 31 13 13-0897	LF	16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	246.24	125.56
		For Seal Class B, Add	.....	31.39	
		For Seal Class A, Add	.....	66.97	
		For Work In Restricted Working Space, Add	.....	62.78	
23 31 13 13-0898	LF	16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	257.96	131.55
		For Seal Class B, Add	.....	32.88	
		For Seal Class A, Add	.....	70.15	
		For Work In Restricted Working Space, Add	.....	65.77	
23 31 13 13-0899	LF	16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	.....	269.71	137.52
		For Seal Class B, Add	.....	34.38	
		For Seal Class A, Add	.....	73.34	
		For Work In Restricted Working Space, Add	.....	68.76	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0900	LF	16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.45	143.50
		For Seal Class B, Add	35.88	
		For Seal Class A, Add	76.54	
		For Work In Restricted Working Space, Add	71.75	
23 31 13 13-0901	LF	16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.16	149.48
		For Seal Class B, Add	37.37	
		For Seal Class A, Add	79.72	
		For Work In Restricted Working Space, Add	74.74	
23 31 13 13-0902	LF	16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	304.88	155.46
		For Seal Class B, Add	38.87	
		For Seal Class A, Add	82.91	
		For Work In Restricted Working Space, Add	77.73	
23 31 13 13-0903	LF	16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.60	161.43
		For Seal Class B, Add	40.36	
		For Seal Class A, Add	86.10	
		For Work In Restricted Working Space, Add	80.72	
23 31 13 13-0904	LF	16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	41.85	
		For Seal Class A, Add	89.29	
		For Work In Restricted Working Space, Add	83.71	
23 31 13 13-0905	LF	16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40
		For Seal Class B, Add	43.35	
		For Seal Class A, Add	92.48	
		For Work In Restricted Working Space, Add	86.70	
23 31 13 13-0906	LF	16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	44.85	
		For Seal Class A, Add	95.67	
		For Work In Restricted Working Space, Add	89.69	
23 31 13 13-0907	LF	18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	211.09	107.63
		For Seal Class B, Add	26.91	
		For Seal Class A, Add	57.40	
		For Work In Restricted Working Space, Add	53.81	
23 31 13 13-0908	LF	18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	222.81	113.61
		For Seal Class B, Add	28.40	
		For Seal Class A, Add	60.59	
		For Work In Restricted Working Space, Add	56.81	
23 31 13 13-0909	LF	18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.53	119.59
		For Seal Class B, Add	29.90	
		For Seal Class A, Add	63.78	
		For Work In Restricted Working Space, Add	59.79	
23 31 13 13-0910	LF	18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.24	125.56
		For Seal Class B, Add	31.39	
		For Seal Class A, Add	66.97	
		For Work In Restricted Working Space, Add	62.78	
23 31 13 13-0911	LF	18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.96	131.55
		For Seal Class B, Add	32.88	
		For Seal Class A, Add	70.15	
		For Work In Restricted Working Space, Add	65.77	
23 31 13 13-0912	LF	18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.71	137.52
		For Seal Class B, Add	34.38	
		For Seal Class A, Add	73.34	
		For Work In Restricted Working Space, Add	68.76	
23 31 13 13-0913	LF	18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.45	143.50
		For Seal Class B, Add	35.88	
		For Seal Class A, Add	76.54	
		For Work In Restricted Working Space, Add	71.75	
23 31 13 13-0914	LF	18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.16	149.48
		For Seal Class B, Add	37.37	
		For Seal Class A, Add	79.72	
		For Work In Restricted Working Space, Add	74.74	
23 31 13 13-0915	LF	18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	304.88	155.46
		For Seal Class B, Add	38.87	
		For Seal Class A, Add	82.91	
		For Work In Restricted Working Space, Add	77.73	
23 31 13 13-0916	LF	18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.60	161.43
		For Seal Class B, Add	40.36	
		For Seal Class A, Add	86.10	
		For Work In Restricted Working Space, Add	80.72	
23 31 13 13-0917	LF	18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	41.85	
		For Seal Class A, Add	89.29	
		For Work In Restricted Working Space, Add	83.71	
23 31 13 13-0918	LF	18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40
		For Seal Class B, Add	43.35	
		For Seal Class A, Add	92.48	
		For Work In Restricted Working Space, Add	86.70	
23 31 13 13-0919	LF	18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	44.85	
		For Seal Class A, Add	95.67	
		For Work In Restricted Working Space, Add	89.69	
23 31 13 13-0920	LF	18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36
		For Seal Class B, Add	46.34	
		For Seal Class A, Add	98.86	
		For Work In Restricted Working Space, Add	92.68	
23 31 13 13-0921	LF	18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
		For Seal Class B, Add	47.84	
		For Seal Class A, Add	102.05	
		For Work In Restricted Working Space, Add	95.67	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0922	LF	20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	234.53	119.59
		For Seal Class B, Add	29.90	
		For Seal Class A, Add	63.78	
		For Work In Restricted Working Space, Add	59.79	
23 31 13 13-0923	LF	20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	246.24	125.56
		For Seal Class B, Add	31.39	
		For Seal Class A, Add	66.97	
		For Work In Restricted Working Space, Add	62.78	
23 31 13 13-0924	LF	20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.96	131.55
		For Seal Class B, Add	32.88	
		For Seal Class A, Add	70.15	
		For Work In Restricted Working Space, Add	65.77	
23 31 13 13-0925	LF	20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.71	137.52
		For Seal Class B, Add	34.38	
		For Seal Class A, Add	73.34	
		For Work In Restricted Working Space, Add	68.76	
23 31 13 13-0926	LF	20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.45	143.50
		For Seal Class B, Add	35.88	
		For Seal Class A, Add	76.54	
		For Work In Restricted Working Space, Add	71.75	
23 31 13 13-0927	LF	20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.16	149.48
		For Seal Class B, Add	37.37	
		For Seal Class A, Add	79.72	
		For Work In Restricted Working Space, Add	74.74	
23 31 13 13-0928	LF	20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	304.88	155.46
		For Seal Class B, Add	38.87	
		For Seal Class A, Add	82.91	
		For Work In Restricted Working Space, Add	77.73	
23 31 13 13-0929	LF	20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.60	161.43
		For Seal Class B, Add	40.36	
		For Seal Class A, Add	86.10	
		For Work In Restricted Working Space, Add	80.72	
23 31 13 13-0930	LF	20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	41.85	
		For Seal Class A, Add	89.29	
		For Work In Restricted Working Space, Add	83.71	
23 31 13 13-0931	LF	20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40
		For Seal Class B, Add	43.35	
		For Seal Class A, Add	92.48	
		For Work In Restricted Working Space, Add	86.70	
23 31 13 13-0932	LF	20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	44.85	
		For Seal Class A, Add	95.67	
		For Work In Restricted Working Space, Add	89.69	
23 31 13 13-0933	LF	20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36
		For Seal Class B, Add	46.34	
		For Seal Class A, Add	98.86	
		For Work In Restricted Working Space, Add	92.68	
23 31 13 13-0934	LF	20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
		For Seal Class B, Add	47.84	
		For Seal Class A, Add	102.05	
		For Work In Restricted Working Space, Add	95.67	
23 31 13 13-0935	LF	20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31
		For Seal Class B, Add	49.33	
		For Seal Class A, Add	105.24	
		For Work In Restricted Working Space, Add	98.66	
23 31 13 13-0936	LF	20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
		For Seal Class B, Add	50.82	
		For Seal Class A, Add	108.42	
		For Work In Restricted Working Space, Add	101.65	
23 31 13 13-0937	LF	22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.96	131.55
		For Seal Class B, Add	32.88	
		For Seal Class A, Add	70.15	
		For Work In Restricted Working Space, Add	65.77	
23 31 13 13-0938	LF	22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.71	137.52
		For Seal Class B, Add	34.38	
		For Seal Class A, Add	73.34	
		For Work In Restricted Working Space, Add	68.76	
23 31 13 13-0939	LF	22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.45	143.50
		For Seal Class B, Add	35.88	
		For Seal Class A, Add	76.54	
		For Work In Restricted Working Space, Add	71.75	
23 31 13 13-0940	LF	22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.16	149.48
		For Seal Class B, Add	37.37	
		For Seal Class A, Add	79.72	
		For Work In Restricted Working Space, Add	74.74	
23 31 13 13-0941	LF	22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	304.88	155.46
		For Seal Class B, Add	38.87	
		For Seal Class A, Add	82.91	
		For Work In Restricted Working Space, Add	77.73	
23 31 13 13-0942	LF	22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.60	161.43
		For Seal Class B, Add	40.36	
		For Seal Class A, Add	86.10	
		For Work In Restricted Working Space, Add	80.72	
23 31 13 13-0943	LF	22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	41.85	
		For Seal Class A, Add	89.29	
		For Work In Restricted Working Space, Add	83.71	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-0944	LF	22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40	
		For Seal Class B, Add	43.35		
		For Seal Class A, Add	92.48		
		For Work In Restricted Working Space, Add	86.70		
23 31 13 13-0945	LF	22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38	
		For Seal Class B, Add	44.85		
		For Seal Class A, Add	95.67		
		For Work In Restricted Working Space, Add	89.69		
23 31 13 13-0946	LF	22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36	
		For Seal Class B, Add	46.34		
		For Seal Class A, Add	98.86		
		For Work In Restricted Working Space, Add	92.68		
23 31 13 13-0947	LF	22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34	
		For Seal Class B, Add	47.84		
		For Seal Class A, Add	102.05		
		For Work In Restricted Working Space, Add	95.67		
23 31 13 13-0948	LF	22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31	
		For Seal Class B, Add	49.33		
		For Seal Class A, Add	105.24		
		For Work In Restricted Working Space, Add	98.66		
23 31 13 13-0949	LF	22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30	
		For Seal Class B, Add	50.82		
		For Seal Class A, Add	108.42		
		For Work In Restricted Working Space, Add	101.65		
23 31 13 13-0950	LF	22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27	
		For Seal Class B, Add	52.32		
		For Seal Class A, Add	111.61		
		For Work In Restricted Working Space, Add	104.64		
23 31 13 13-0951	LF	24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	281.45	143.50	
		For Seal Class B, Add	35.88		
		For Seal Class A, Add	76.54		
		For Work In Restricted Working Space, Add	71.75		
23 31 13 13-0952	LF	24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.16	149.48	
		For Seal Class B, Add	37.37		
		For Seal Class A, Add	79.72		
		For Work In Restricted Working Space, Add	74.74		
23 31 13 13-0953	LF	24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	304.88	155.46	
		For Seal Class B, Add	38.87		
		For Seal Class A, Add	82.91		
		For Work In Restricted Working Space, Add	77.73		
23 31 13 13-0954	LF	24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.60	161.43	
		For Seal Class B, Add	40.36		
		For Seal Class A, Add	86.10		
		For Work In Restricted Working Space, Add	80.72		
23 31 13 13-0955	LF	24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43	
		For Seal Class B, Add	41.85		
		For Seal Class A, Add	89.29		
		For Work In Restricted Working Space, Add	83.71		
23 31 13 13-0956	LF	24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40	
		For Seal Class B, Add	43.35		
		For Seal Class A, Add	92.48		
		For Work In Restricted Working Space, Add	86.70		
23 31 13 13-0957	LF	24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38	
		For Seal Class B, Add	44.85		
		For Seal Class A, Add	95.67		
		For Work In Restricted Working Space, Add	89.69		
23 31 13 13-0958	LF	24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36	
		For Seal Class B, Add	46.34		
		For Seal Class A, Add	98.86		
		For Work In Restricted Working Space, Add	92.68		
23 31 13 13-0959	LF	24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34	
		For Seal Class B, Add	47.84		
		For Seal Class A, Add	102.05		
		For Work In Restricted Working Space, Add	95.67		
23 31 13 13-0960	LF	24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31	
		For Seal Class B, Add	49.33		
		For Seal Class A, Add	105.24		
		For Work In Restricted Working Space, Add	98.66		
23 31 13 13-0961	LF	24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30	
		For Seal Class B, Add	50.82		
		For Seal Class A, Add	108.42		
		For Work In Restricted Working Space, Add	101.65		
23 31 13 13-0962	LF	24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27	
		For Seal Class B, Add	52.32		
		For Seal Class A, Add	111.61		
		For Work In Restricted Working Space, Add	104.64		
23 31 13 13-0963	LF	24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25	
		For Seal Class B, Add	53.81		
		For Seal Class A, Add	114.80		
		For Work In Restricted Working Space, Add	107.63		
23 31 13 13-0964	LF	26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	304.88	155.46	
		For Seal Class B, Add	38.87		
		For Seal Class A, Add	82.91		
		For Work In Restricted Working Space, Add	77.73		
23 31 13 13-0965	LF	26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	316.60	161.43	
		For Seal Class B, Add	40.36		
		For Seal Class A, Add	86.10		
		For Work In Restricted Working Space, Add	80.72		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0966	LF	26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	41.85	
		For Seal Class A, Add	89.29	
		For Work In Restricted Working Space, Add	83.71	
23 31 13 13-0967	LF	26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40
		For Seal Class B, Add	43.35	
		For Seal Class A, Add	92.48	
		For Work In Restricted Working Space, Add	86.70	
23 31 13 13-0968	LF	26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	44.85	
		For Seal Class A, Add	95.67	
		For Work In Restricted Working Space, Add	89.69	
23 31 13 13-0969	LF	26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36
		For Seal Class B, Add	46.34	
		For Seal Class A, Add	98.86	
		For Work In Restricted Working Space, Add	92.68	
23 31 13 13-0970	LF	26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
		For Seal Class B, Add	47.84	
		For Seal Class A, Add	102.05	
		For Work In Restricted Working Space, Add	95.67	
23 31 13 13-0971	LF	26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31
		For Seal Class B, Add	49.33	
		For Seal Class A, Add	105.24	
		For Work In Restricted Working Space, Add	98.66	
23 31 13 13-0972	LF	26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
		For Seal Class B, Add	50.82	
		For Seal Class A, Add	108.42	
		For Work In Restricted Working Space, Add	101.65	
23 31 13 13-0973	LF	26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27
		For Seal Class B, Add	52.32	
		For Seal Class A, Add	111.61	
		For Work In Restricted Working Space, Add	104.64	
23 31 13 13-0974	LF	26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
		For Seal Class B, Add	53.81	
		For Seal Class A, Add	114.80	
		For Work In Restricted Working Space, Add	107.63	
23 31 13 13-0975	LF	26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	433.90	221.23
		For Seal Class B, Add	55.31	
		For Seal Class A, Add	117.99	
		For Work In Restricted Working Space, Add	110.62	
23 31 13 13-0976	LF	28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.34	167.43
		For Seal Class B, Add	41.85	
		For Seal Class A, Add	89.29	
		For Work In Restricted Working Space, Add	83.71	
23 31 13 13-0977	LF	28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.06	173.40
		For Seal Class B, Add	43.35	
		For Seal Class A, Add	92.48	
		For Work In Restricted Working Space, Add	86.70	
23 31 13 13-0978	LF	28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	44.85	
		For Seal Class A, Add	95.67	
		For Work In Restricted Working Space, Add	89.69	
23 31 13 13-0979	LF	28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36
		For Seal Class B, Add	46.34	
		For Seal Class A, Add	98.86	
		For Work In Restricted Working Space, Add	92.68	
23 31 13 13-0980	LF	28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
		For Seal Class B, Add	47.84	
		For Seal Class A, Add	102.05	
		For Work In Restricted Working Space, Add	95.67	
23 31 13 13-0981	LF	28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31
		For Seal Class B, Add	49.33	
		For Seal Class A, Add	105.24	
		For Work In Restricted Working Space, Add	98.66	
23 31 13 13-0982	LF	28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
		For Seal Class B, Add	50.82	
		For Seal Class A, Add	108.42	
		For Work In Restricted Working Space, Add	101.65	
23 31 13 13-0983	LF	28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27
		For Seal Class B, Add	52.32	
		For Seal Class A, Add	111.61	
		For Work In Restricted Working Space, Add	104.64	
23 31 13 13-0984	LF	28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
		For Seal Class B, Add	53.81	
		For Seal Class A, Add	114.80	
		For Work In Restricted Working Space, Add	107.63	
23 31 13 13-0985	LF	28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	433.90	221.23
		For Seal Class B, Add	55.31	
		For Seal Class A, Add	117.99	
		For Work In Restricted Working Space, Add	110.62	
23 31 13 13-0986	LF	28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.61	227.21
		For Seal Class B, Add	56.80	
		For Seal Class A, Add	121.18	
		For Work In Restricted Working Space, Add	113.61	
23 31 13 13-0987	LF	30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.80	179.38
		For Seal Class B, Add	44.85	
		For Seal Class A, Add	95.67	
		For Work In Restricted Working Space, Add	89.69	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-0988	LF 30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	363.52	185.36
	For Seal Class B, Add	46.34	
	For Seal Class A, Add	98.86	
	For Work In Restricted Working Space, Add	92.68	
23 31 13 13-0989	LF 30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
	For Seal Class B, Add	47.84	
	For Seal Class A, Add	102.05	
	For Work In Restricted Working Space, Add	95.67	
23 31 13 13-0990	LF 30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31
	For Seal Class B, Add	49.33	
	For Seal Class A, Add	105.24	
	For Work In Restricted Working Space, Add	98.66	
23 31 13 13-0991	LF 30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
	For Seal Class B, Add	50.82	
	For Seal Class A, Add	108.42	
	For Work In Restricted Working Space, Add	101.65	
23 31 13 13-0992	LF 30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27
	For Seal Class B, Add	52.32	
	For Seal Class A, Add	111.61	
	For Work In Restricted Working Space, Add	104.64	
23 31 13 13-0993	LF 30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
	For Seal Class B, Add	53.81	
	For Seal Class A, Add	114.80	
	For Work In Restricted Working Space, Add	107.63	
23 31 13 13-0994	LF 30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	433.90	221.23
	For Seal Class B, Add	55.31	
	For Seal Class A, Add	117.99	
	For Work In Restricted Working Space, Add	110.62	
23 31 13 13-0995	LF 30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.61	227.21
	For Seal Class B, Add	56.80	
	For Seal Class A, Add	121.18	
	For Work In Restricted Working Space, Add	113.61	
23 31 13 13-0996	LF 30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.33	233.20
	For Seal Class B, Add	58.30	
	For Seal Class A, Add	124.37	
	For Work In Restricted Working Space, Add	116.60	
23 31 13 13-0997	LF 32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	375.26	191.34
	For Seal Class B, Add	47.84	
	For Seal Class A, Add	102.05	
	For Work In Restricted Working Space, Add	95.67	
23 31 13 13-0998	LF 32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.98	197.31
	For Seal Class B, Add	49.33	
	For Seal Class A, Add	105.24	
	For Work In Restricted Working Space, Add	98.66	
23 31 13 13-0999	LF 32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
	For Seal Class B, Add	50.82	
	For Seal Class A, Add	108.42	
	For Work In Restricted Working Space, Add	101.65	
23 31 13 13-1000	LF 32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27
	For Seal Class B, Add	52.32	
	For Seal Class A, Add	111.61	
	For Work In Restricted Working Space, Add	104.64	
23 31 13 13-1001	LF 32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
	For Seal Class B, Add	53.81	
	For Seal Class A, Add	114.80	
	For Work In Restricted Working Space, Add	107.63	
23 31 13 13-1002	LF 32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	433.90	221.23
	For Seal Class B, Add	55.31	
	For Seal Class A, Add	117.99	
	For Work In Restricted Working Space, Add	110.62	
23 31 13 13-1003	LF 32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.61	227.21
	For Seal Class B, Add	56.80	
	For Seal Class A, Add	121.18	
	For Work In Restricted Working Space, Add	113.61	
23 31 13 13-1004	LF 32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.33	233.20
	For Seal Class B, Add	58.30	
	For Seal Class A, Add	124.37	
	For Work In Restricted Working Space, Add	116.60	
23 31 13 13-1005	LF 32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.05	239.18
	For Seal Class B, Add	59.79	
	For Seal Class A, Add	127.56	
	For Work In Restricted Working Space, Add	119.59	
23 31 13 13-1006	LF 34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	398.69	203.30
	For Seal Class B, Add	50.82	
	For Seal Class A, Add	108.42	
	For Work In Restricted Working Space, Add	101.65	
23 31 13 13-1007	LF 34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	410.42	209.27
	For Seal Class B, Add	52.32	
	For Seal Class A, Add	111.61	
	For Work In Restricted Working Space, Add	104.64	
23 31 13 13-1008	LF 34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
	For Seal Class B, Add	53.81	
	For Seal Class A, Add	114.80	
	For Work In Restricted Working Space, Add	107.63	
23 31 13 13-1009	LF 34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	433.90	221.23
	For Seal Class B, Add	55.31	
	For Seal Class A, Add	117.99	
	For Work In Restricted Working Space, Add	110.62	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1010	LF	34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.61	227.21
		For Seal Class B, Add	56.80	
		For Seal Class A, Add	121.18	
		For Work In Restricted Working Space, Add	113.61	
23 31 13 13-1011	LF	34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.33	233.20
		For Seal Class B, Add	58.30	
		For Seal Class A, Add	124.37	
		For Work In Restricted Working Space, Add	116.60	
23 31 13 13-1012	LF	34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.05	239.18
		For Seal Class B, Add	59.79	
		For Seal Class A, Add	127.56	
		For Work In Restricted Working Space, Add	119.59	
23 31 13 13-1013	LF	34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	480.77	245.15
		For Seal Class B, Add	61.29	
		For Seal Class A, Add	130.75	
		For Work In Restricted Working Space, Add	122.57	
23 31 13 13-1014	LF	36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	422.14	215.25
		For Seal Class B, Add	53.81	
		For Seal Class A, Add	114.80	
		For Work In Restricted Working Space, Add	107.63	
23 31 13 13-1015	LF	36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	433.90	221.23
		For Seal Class B, Add	55.31	
		For Seal Class A, Add	117.99	
		For Work In Restricted Working Space, Add	110.62	
23 31 13 13-1016	LF	36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.61	227.21
		For Seal Class B, Add	56.80	
		For Seal Class A, Add	121.18	
		For Work In Restricted Working Space, Add	113.61	
23 31 13 13-1017	LF	36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.33	233.20
		For Seal Class B, Add	58.30	
		For Seal Class A, Add	124.37	
		For Work In Restricted Working Space, Add	116.60	
23 31 13 13-1018	LF	36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.05	239.18
		For Seal Class B, Add	59.79	
		For Seal Class A, Add	127.56	
		For Work In Restricted Working Space, Add	119.59	
23 31 13 13-1019	LF	36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	480.77	245.15
		For Seal Class B, Add	61.29	
		For Seal Class A, Add	130.75	
		For Work In Restricted Working Space, Add	122.57	
23 31 13 13-1020	LF	36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.51	251.14
		For Seal Class B, Add	62.78	
		For Seal Class A, Add	133.93	
		For Work In Restricted Working Space, Add	125.56	
23 31 13 13-1021	LF	38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.61	227.21
		For Seal Class B, Add	56.80	
		For Seal Class A, Add	121.18	
		For Work In Restricted Working Space, Add	113.61	
23 31 13 13-1022	LF	38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	457.33	233.20
		For Seal Class B, Add	58.30	
		For Seal Class A, Add	124.37	
		For Work In Restricted Working Space, Add	116.60	
23 31 13 13-1023	LF	38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.05	239.18
		For Seal Class B, Add	59.79	
		For Seal Class A, Add	127.56	
		For Work In Restricted Working Space, Add	119.59	
23 31 13 13-1024	LF	38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	480.77	245.15
		For Seal Class B, Add	61.29	
		For Seal Class A, Add	130.75	
		For Work In Restricted Working Space, Add	122.57	
23 31 13 13-1025	LF	38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.51	251.14
		For Seal Class B, Add	62.78	
		For Seal Class A, Add	133.93	
		For Work In Restricted Working Space, Add	125.56	
23 31 13 13-1026	LF	38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.25	257.11
		For Seal Class B, Add	64.28	
		For Seal Class A, Add	137.13	
		For Work In Restricted Working Space, Add	128.56	
23 31 13 13-1027	LF	38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.97	263.09
		For Seal Class B, Add	65.77	
		For Seal Class A, Add	140.32	
		For Work In Restricted Working Space, Add	131.55	
23 31 13 13-1028	LF	40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	469.05	239.18
		For Seal Class B, Add	59.79	
		For Seal Class A, Add	127.56	
		For Work In Restricted Working Space, Add	119.59	
23 31 13 13-1029	LF	40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	480.77	245.15
		For Seal Class B, Add	61.29	
		For Seal Class A, Add	130.75	
		For Work In Restricted Working Space, Add	122.57	
23 31 13 13-1030	LF	40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.51	251.14
		For Seal Class B, Add	62.78	
		For Seal Class A, Add	133.93	
		For Work In Restricted Working Space, Add	125.56	
23 31 13 13-1031	LF	40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.25	257.11
		For Seal Class B, Add	64.28	
		For Seal Class A, Add	137.13	
		For Work In Restricted Working Space, Add	128.56	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-1032	LF	40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.97	263.09
		For Seal Class B, Add	65.77	
		For Seal Class A, Add	140.32	
		For Work In Restricted Working Space, Add	131.55	
23 31 13 13-1033	LF	40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	527.69	269.07
		For Seal Class B, Add	67.27	
		For Seal Class A, Add	143.50	
		For Work In Restricted Working Space, Add	134.54	
23 31 13 13-1034	LF	40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.40	275.05
		For Seal Class B, Add	68.76	
		For Seal Class A, Add	146.69	
		For Work In Restricted Working Space, Add	137.52	
23 31 13 13-1035	LF	40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	551.15	281.02
		For Seal Class B, Add	70.26	
		For Seal Class A, Add	149.88	
		For Work In Restricted Working Space, Add	140.51	
23 31 13 13-1036	LF	40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	562.87	287.01
		For Seal Class B, Add	71.75	
		For Seal Class A, Add	153.07	
		For Work In Restricted Working Space, Add	143.50	
23 31 13 13-1037	LF	42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	492.51	251.14
		For Seal Class B, Add	62.78	
		For Seal Class A, Add	133.93	
		For Work In Restricted Working Space, Add	125.56	
23 31 13 13-1038	LF	42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.25	257.11
		For Seal Class B, Add	64.28	
		For Seal Class A, Add	137.13	
		For Work In Restricted Working Space, Add	128.56	
23 31 13 13-1039	LF	42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.97	263.09
		For Seal Class B, Add	65.77	
		For Seal Class A, Add	140.32	
		For Work In Restricted Working Space, Add	131.55	
23 31 13 13-1040	LF	42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	527.69	269.07
		For Seal Class B, Add	67.27	
		For Seal Class A, Add	143.50	
		For Work In Restricted Working Space, Add	134.54	
23 31 13 13-1041	LF	42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.40	275.05
		For Seal Class B, Add	68.76	
		For Seal Class A, Add	146.69	
		For Work In Restricted Working Space, Add	137.52	
23 31 13 13-1042	LF	42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	551.15	281.02
		For Seal Class B, Add	70.26	
		For Seal Class A, Add	149.88	
		For Work In Restricted Working Space, Add	140.51	
23 31 13 13-1043	LF	42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	562.87	287.01
		For Seal Class B, Add	71.75	
		For Seal Class A, Add	153.07	
		For Work In Restricted Working Space, Add	143.50	
23 31 13 13-1044	LF	42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	574.59	292.98
		For Seal Class B, Add	73.25	
		For Seal Class A, Add	156.26	
		For Work In Restricted Working Space, Add	146.49	
23 31 13 13-1045	LF	44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.97	263.09
		For Seal Class B, Add	65.77	
		For Seal Class A, Add	140.32	
		For Work In Restricted Working Space, Add	131.55	
23 31 13 13-1046	LF	44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	527.69	269.07
		For Seal Class B, Add	67.27	
		For Seal Class A, Add	143.50	
		For Work In Restricted Working Space, Add	134.54	
23 31 13 13-1047	LF	44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.40	275.05
		For Seal Class B, Add	68.76	
		For Seal Class A, Add	146.69	
		For Work In Restricted Working Space, Add	137.52	
23 31 13 13-1048	LF	44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	551.15	281.02
		For Seal Class B, Add	70.26	
		For Seal Class A, Add	149.88	
		For Work In Restricted Working Space, Add	140.51	
23 31 13 13-1049	LF	44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	562.87	287.01
		For Seal Class B, Add	71.75	
		For Seal Class A, Add	153.07	
		For Work In Restricted Working Space, Add	143.50	
23 31 13 13-1050	LF	44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	574.59	292.98
		For Seal Class B, Add	73.25	
		For Seal Class A, Add	156.26	
		For Work In Restricted Working Space, Add	146.49	
23 31 13 13-1051	LF	44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	586.32	298.97
		For Seal Class B, Add	74.74	
		For Seal Class A, Add	159.45	
		For Work In Restricted Working Space, Add	149.48	
23 31 13 13-1052	LF	46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.40	275.05
		For Seal Class B, Add	68.76	
		For Seal Class A, Add	146.69	
		For Work In Restricted Working Space, Add	137.52	
23 31 13 13-1053	LF	46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	551.15	281.02
		For Seal Class B, Add	70.26	
		For Seal Class A, Add	149.88	
		For Work In Restricted Working Space, Add	140.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1054	LF	46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	562.87	287.01	
		For Seal Class B, Add	71.75		
		For Seal Class A, Add	153.07		
		For Work In Restricted Working Space, Add	143.50		
23 31 13 13-1055	LF	46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	574.59	292.98	
		For Seal Class B, Add	73.25		
		For Seal Class A, Add	156.26		
		For Work In Restricted Working Space, Add	146.49		
23 31 13 13-1056	LF	46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	586.32	298.97	
		For Seal Class B, Add	74.74		
		For Seal Class A, Add	159.45		
		For Work In Restricted Working Space, Add	149.48		
23 31 13 13-1057	LF	46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	608.01	310.93	
		For Seal Class B, Add	77.73		
		For Seal Class A, Add	165.83		
		For Work In Restricted Working Space, Add	155.46		
23 31 13 13-1058	LF	46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	619.75	316.90	
		For Seal Class B, Add	79.23		
		For Seal Class A, Add	169.01		
		For Work In Restricted Working Space, Add	158.45		
23 31 13 13-1059	LF	48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	562.87	287.01	
		For Seal Class B, Add	71.75		
		For Seal Class A, Add	153.07		
		For Work In Restricted Working Space, Add	143.50		
23 31 13 13-1060	LF	48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	574.59	292.98	
		For Seal Class B, Add	73.25		
		For Seal Class A, Add	156.26		
		For Work In Restricted Working Space, Add	146.49		
23 31 13 13-1061	LF	48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	586.32	298.97	
		For Seal Class B, Add	74.74		
		For Seal Class A, Add	159.45		
		For Work In Restricted Working Space, Add	149.48		
23 31 13 13-1062	LF	48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	598.04	304.95	
		For Seal Class B, Add	76.24		
		For Seal Class A, Add	162.64		
		For Work In Restricted Working Space, Add	152.47		
23 31 13 13-1063	LF	48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	609.79	310.93	
		For Seal Class B, Add	77.73		
		For Seal Class A, Add	165.83		
		For Work In Restricted Working Space, Add	155.46		
23 31 13 13-1064	LF	48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	621.51	316.90	
		For Seal Class B, Add	79.23		
		For Seal Class A, Add	169.01		
		For Work In Restricted Working Space, Add	158.45		
23 31 13 13-1065	LF	48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	633.22	322.89	
		For Seal Class B, Add	80.72		
		For Seal Class A, Add	172.20		
		For Work In Restricted Working Space, Add	161.44		
23 31 13 13-1066	LF	50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	586.32	298.97	
		For Seal Class B, Add	74.74		
		For Seal Class A, Add	159.45		
		For Work In Restricted Working Space, Add	149.48		
23 31 13 13-1067	LF	50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	598.04	304.95	
		For Seal Class B, Add	76.24		
		For Seal Class A, Add	162.64		
		For Work In Restricted Working Space, Add	152.47		
23 31 13 13-1068	LF	50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	609.79	310.93	
		For Seal Class B, Add	77.73		
		For Seal Class A, Add	165.83		
		For Work In Restricted Working Space, Add	155.46		
23 31 13 13-1069	LF	50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	621.51	316.90	
		For Seal Class B, Add	79.23		
		For Seal Class A, Add	169.01		
		For Work In Restricted Working Space, Add	158.45		
23 31 13 13-1070	LF	50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	633.22	322.89	
		For Seal Class B, Add	80.72		
		For Seal Class A, Add	172.20		
		For Work In Restricted Working Space, Add	161.44		
23 31 13 13-1071	LF	50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	644.94	328.86	
		For Seal Class B, Add	82.21		
		For Seal Class A, Add	175.39		
		For Work In Restricted Working Space, Add	164.43		
23 31 13 13-1072	LF	52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	609.79	310.93	
		For Seal Class B, Add	77.73		
		For Seal Class A, Add	165.83		
		For Work In Restricted Working Space, Add	155.46		
23 31 13 13-1073	LF	52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	621.51	316.90	
		For Seal Class B, Add	79.23		
		For Seal Class A, Add	169.01		
		For Work In Restricted Working Space, Add	158.45		
23 31 13 13-1074	LF	52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	633.22	322.89	
		For Seal Class B, Add	80.72		
		For Seal Class A, Add	172.20		
		For Work In Restricted Working Space, Add	161.44		
23 31 13 13-1075	LF	52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	644.94	328.86	
		For Seal Class B, Add	82.21		
		For Seal Class A, Add	175.39		
		For Work In Restricted Working Space, Add	164.43		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 13-1076	LF	52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	656.68	334.84
		For Seal Class B, Add	83.71	
		For Seal Class A, Add	178.59	
		For Work In Restricted Working Space, Add	167.42	
23 31 13 13-1077	LF	54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	633.22	322.89
		For Seal Class B, Add	80.72	
		For Seal Class A, Add	172.20	
		For Work In Restricted Working Space, Add	161.44	
23 31 13 13-1078	LF	54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	644.94	328.86
		For Seal Class B, Add	82.21	
		For Seal Class A, Add	175.39	
		For Work In Restricted Working Space, Add	164.43	
23 31 13 13-1079	LF	54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	656.68	334.84
		For Seal Class B, Add	83.71	
		For Seal Class A, Add	178.59	
		For Work In Restricted Working Space, Add	167.42	
23 31 13 13-1080	LF	54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	668.42	340.82
		For Seal Class B, Add	85.21	
		For Seal Class A, Add	181.77	
		For Work In Restricted Working Space, Add	170.41	
23 31 13 13-1081	LF	54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	680.14	346.80
		For Seal Class B, Add	86.70	
		For Seal Class A, Add	184.96	
		For Work In Restricted Working Space, Add	173.40	
23 31 13 13-1082	LF	54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	691.85	352.77
		For Seal Class B, Add	88.19	
		For Seal Class A, Add	188.15	
		For Work In Restricted Working Space, Add	176.39	
23 31 13 13-1083	LF	56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	656.68	334.84
		For Seal Class B, Add	83.71	
		For Seal Class A, Add	178.59	
		For Work In Restricted Working Space, Add	167.42	
23 31 13 13-1084	LF	56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	668.42	340.82
		For Seal Class B, Add	85.21	
		For Seal Class A, Add	181.77	
		For Work In Restricted Working Space, Add	170.41	
23 31 13 13-1085	LF	56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	680.14	346.80
		For Seal Class B, Add	86.70	
		For Seal Class A, Add	184.96	
		For Work In Restricted Working Space, Add	173.40	
23 31 13 13-1086	LF	56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	691.85	352.77
		For Seal Class B, Add	88.19	
		For Seal Class A, Add	188.15	
		For Work In Restricted Working Space, Add	176.39	
23 31 13 13-1087	LF	56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	703.58	358.75
		For Seal Class B, Add	89.69	
		For Seal Class A, Add	191.34	
		For Work In Restricted Working Space, Add	179.38	
23 31 13 13-1088	LF	58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	680.14	346.80
		For Seal Class B, Add	86.70	
		For Seal Class A, Add	184.96	
		For Work In Restricted Working Space, Add	173.40	
23 31 13 13-1089	LF	58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	691.85	352.77
		For Seal Class B, Add	88.19	
		For Seal Class A, Add	188.15	
		For Work In Restricted Working Space, Add	176.39	
23 31 13 13-1090	LF	58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	703.58	358.75
		For Seal Class B, Add	89.69	
		For Seal Class A, Add	191.34	
		For Work In Restricted Working Space, Add	179.38	
23 31 13 13-1091	LF	58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	715.30	364.74
		For Seal Class B, Add	91.18	
		For Seal Class A, Add	194.52	
		For Work In Restricted Working Space, Add	182.37	
23 31 13 13-1092	LF	58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	727.04	370.72
		For Seal Class B, Add	92.68	
		For Seal Class A, Add	197.71	
		For Work In Restricted Working Space, Add	185.36	
23 31 13 13-1093	LF	60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	703.58	358.75
		For Seal Class B, Add	89.69	
		For Seal Class A, Add	191.34	
		For Work In Restricted Working Space, Add	179.38	
23 31 13 13-1094	LF	60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	715.30	364.74
		For Seal Class B, Add	91.18	
		For Seal Class A, Add	194.52	
		For Work In Restricted Working Space, Add	182.37	
23 31 13 13-1095	LF	60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	727.04	370.72
		For Seal Class B, Add	92.68	
		For Seal Class A, Add	197.71	
		For Work In Restricted Working Space, Add	185.36	
23 31 13 13-1096	LF	60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	738.77	376.70
		For Seal Class B, Add	94.17	
		For Seal Class A, Add	200.91	
		For Work In Restricted Working Space, Add	188.35	
23 31 13 13-1097	LF	60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	750.50	382.68
		For Seal Class B, Add	95.67	
		For Seal Class A, Add	204.10	
		For Work In Restricted Working Space, Add	191.34	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1098 LF 62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	727.04	370.72
For Seal Class B, Add	92.68	
For Seal Class A, Add	197.71	
For Work In Restricted Working Space, Add	185.36	
23 31 13 13-1099 LF 62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	738.77	376.70
For Seal Class B, Add	94.17	
For Seal Class A, Add	200.91	
For Work In Restricted Working Space, Add	188.35	
23 31 13 13-1100 LF 62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	750.50	382.68
For Seal Class B, Add	95.67	
For Seal Class A, Add	204.10	
For Work In Restricted Working Space, Add	191.34	
23 31 13 13-1101 LF 62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	762.21	388.65
For Seal Class B, Add	97.16	
For Seal Class A, Add	207.28	
For Work In Restricted Working Space, Add	194.33	
23 31 13 13-1102 LF 62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	773.93	394.63
For Seal Class B, Add	98.66	
For Seal Class A, Add	210.47	
For Work In Restricted Working Space, Add	197.32	
23 31 13 13-1103 LF 64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	750.50	382.68
For Seal Class B, Add	95.67	
For Seal Class A, Add	204.10	
For Work In Restricted Working Space, Add	191.34	
23 31 13 13-1104 LF 64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	762.21	388.65
For Seal Class B, Add	97.16	
For Seal Class A, Add	207.28	
For Work In Restricted Working Space, Add	194.33	
23 31 13 13-1105 LF 64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	773.93	394.63
For Seal Class B, Add	98.66	
For Seal Class A, Add	210.47	
For Work In Restricted Working Space, Add	197.32	
23 31 13 13-1106 LF 64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	785.67	400.61
For Seal Class B, Add	100.15	
For Seal Class A, Add	213.66	
For Work In Restricted Working Space, Add	200.30	
23 31 13 13-1107 LF 66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	773.93	394.63
For Seal Class B, Add	98.66	
For Seal Class A, Add	210.47	
For Work In Restricted Working Space, Add	197.32	
23 31 13 13-1108 LF 66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	785.67	400.61
For Seal Class B, Add	100.15	
For Seal Class A, Add	213.66	
For Work In Restricted Working Space, Add	200.30	
23 31 13 13-1109 LF 66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	797.40	406.59
For Seal Class B, Add	101.65	
For Seal Class A, Add	216.85	
For Work In Restricted Working Space, Add	203.30	
23 31 13 13-1110 LF 66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	809.12	412.57
For Seal Class B, Add	103.14	
For Seal Class A, Add	220.04	
For Work In Restricted Working Space, Add	206.29	
23 31 13 13-1111 LF 68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	797.40	406.59
For Seal Class B, Add	101.65	
For Seal Class A, Add	216.85	
For Work In Restricted Working Space, Add	203.30	
23 31 13 13-1112 LF 68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	809.12	412.57
For Seal Class B, Add	103.14	
For Seal Class A, Add	220.04	
For Work In Restricted Working Space, Add	206.29	
23 31 13 13-1113 LF 68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	820.85	418.54
For Seal Class B, Add	104.64	
For Seal Class A, Add	223.23	
For Work In Restricted Working Space, Add	209.28	
23 31 13 13-1114 LF 68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	832.56	424.53
For Seal Class B, Add	106.13	
For Seal Class A, Add	226.42	
For Work In Restricted Working Space, Add	212.27	
23 31 13 13-1115 LF 70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	820.85	418.54
For Seal Class B, Add	104.64	
For Seal Class A, Add	223.23	
For Work In Restricted Working Space, Add	209.28	
23 31 13 13-1116 LF 70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	832.56	424.53
For Seal Class B, Add	106.13	
For Seal Class A, Add	226.42	
For Work In Restricted Working Space, Add	212.27	
23 31 13 13-1117 LF 70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	844.32	430.52
For Seal Class B, Add	107.63	
For Seal Class A, Add	229.61	
For Work In Restricted Working Space, Add	215.26	
23 31 13 13-1118 LF 70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	856.03	436.49
For Seal Class B, Add	109.12	
For Seal Class A, Add	232.79	
For Work In Restricted Working Space, Add	218.24	
23 31 13 13-1119 LF 70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	867.75	442.47
For Seal Class B, Add	110.62	
For Seal Class A, Add	235.98	
For Work In Restricted Working Space, Add	221.23	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 13-1120	LF	70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	879.46		448.45
		For Seal Class B, Add	112.11		
		For Seal Class A, Add	239.17		
		For Work In Restricted Working Space, Add	224.22		
23 31 13 13-1121	LF	70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	891.21		454.42
		For Seal Class B, Add	113.61		
		For Seal Class A, Add	242.36		
		For Work In Restricted Working Space, Add	227.22		
23 31 13 13-1122	LF	70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	902.95		460.41
		For Seal Class B, Add	115.10		
		For Seal Class A, Add	245.55		
		For Work In Restricted Working Space, Add	230.21		
23 31 13 13-1123	LF	70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	914.67		466.38
		For Seal Class B, Add	116.60		
		For Seal Class A, Add	248.74		
		For Work In Restricted Working Space, Add	233.19		
23 31 13 13-1124	LF	72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	844.32		430.52
		For Seal Class B, Add	107.63		
		For Seal Class A, Add	229.61		
		For Work In Restricted Working Space, Add	215.26		
23 31 13 13-1125	LF	72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	856.03		436.49
		For Seal Class B, Add	109.12		
		For Seal Class A, Add	232.79		
		For Work In Restricted Working Space, Add	218.24		
23 31 13 13-1126	LF	72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	867.75		442.47
		For Seal Class B, Add	110.62		
		For Seal Class A, Add	235.98		
		For Work In Restricted Working Space, Add	221.23		
23 31 13 13-1127	LF	72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	879.46		448.45
		For Seal Class B, Add	112.11		
		For Seal Class A, Add	239.17		
		For Work In Restricted Working Space, Add	224.22		
23 31 13 13-1128	LF	72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	891.21		454.42
		For Seal Class B, Add	113.61		
		For Seal Class A, Add	242.36		
		For Work In Restricted Working Space, Add	227.22		
23 31 13 13-1129	LF	72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	902.95		460.41
		For Seal Class B, Add	115.10		
		For Seal Class A, Add	245.55		
		For Work In Restricted Working Space, Add	230.21		
23 31 13 13-1130	LF	72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	914.67		466.38
		For Seal Class B, Add	116.60		
		For Seal Class A, Add	248.74		
		For Work In Restricted Working Space, Add	233.19		
23 31 13 13-1131	LF	72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	926.38		472.36
		For Seal Class B, Add	118.09		
		For Seal Class A, Add	251.93		
		For Work In Restricted Working Space, Add	236.18		
23 31 13 13-1132	LF	74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	867.75		442.47
		For Seal Class B, Add	110.62		
		For Seal Class A, Add	235.98		
		For Work In Restricted Working Space, Add	221.23		
23 31 13 13-1133	LF	74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	879.46		448.45
		For Seal Class B, Add	112.11		
		For Seal Class A, Add	239.17		
		For Work In Restricted Working Space, Add	224.22		
23 31 13 13-1134	LF	74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	891.21		454.42
		For Seal Class B, Add	113.61		
		For Seal Class A, Add	242.36		
		For Work In Restricted Working Space, Add	227.22		
23 31 13 13-1135	LF	74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	902.95		460.41
		For Seal Class B, Add	115.10		
		For Seal Class A, Add	245.55		
		For Work In Restricted Working Space, Add	230.21		
23 31 13 13-1136	LF	74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	914.67		466.38
		For Seal Class B, Add	116.60		
		For Seal Class A, Add	248.74		
		For Work In Restricted Working Space, Add	233.19		
23 31 13 13-1137	LF	74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	926.38		472.36
		For Seal Class B, Add	118.09		
		For Seal Class A, Add	251.93		
		For Work In Restricted Working Space, Add	236.18		
23 31 13 13-1138	LF	74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	938.10		478.34
		For Seal Class B, Add	119.58		
		For Seal Class A, Add	255.11		
		For Work In Restricted Working Space, Add	239.17		
23 31 13 13-1139	LF	76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	891.21		454.42
		For Seal Class B, Add	113.61		
		For Seal Class A, Add	242.36		
		For Work In Restricted Working Space, Add	227.22		
23 31 13 13-1140	LF	76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	902.95		460.41
		For Seal Class B, Add	115.10		
		For Seal Class A, Add	245.55		
		For Work In Restricted Working Space, Add	230.21		
23 31 13 13-1141	LF	76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	914.67		466.38
		For Seal Class B, Add	116.60		
		For Seal Class A, Add	248.74		
		For Work In Restricted Working Space, Add	233.19		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1142	LF	76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	926.38	472.36
		For Seal Class B, Add	118.09	
		For Seal Class A, Add	251.93	
		For Work In Restricted Working Space, Add	236.18	
23 31 13 13-1143	LF	76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	938.10	478.34
		For Seal Class B, Add	119.58	
		For Seal Class A, Add	255.11	
		For Work In Restricted Working Space, Add	239.17	
23 31 13 13-1144	LF	76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	949.82	484.32
		For Seal Class B, Add	121.08	
		For Seal Class A, Add	258.30	
		For Work In Restricted Working Space, Add	242.16	
23 31 13 13-1145	LF	78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	914.67	466.38
		For Seal Class B, Add	116.60	
		For Seal Class A, Add	248.74	
		For Work In Restricted Working Space, Add	233.19	
23 31 13 13-1146	LF	78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	926.38	472.36
		For Seal Class B, Add	118.09	
		For Seal Class A, Add	251.93	
		For Work In Restricted Working Space, Add	236.18	
23 31 13 13-1147	LF	78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	938.10	478.34
		For Seal Class B, Add	119.58	
		For Seal Class A, Add	255.11	
		For Work In Restricted Working Space, Add	239.17	
23 31 13 13-1148	LF	78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	949.82	484.32
		For Seal Class B, Add	121.08	
		For Seal Class A, Add	258.30	
		For Work In Restricted Working Space, Add	242.16	
23 31 13 13-1149	LF	78" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	961.57	490.29
		For Seal Class B, Add	122.58	
		For Seal Class A, Add	261.49	
		For Work In Restricted Working Space, Add	245.15	
23 31 13 13-1150	LF	80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	938.10	478.34
		For Seal Class B, Add	119.58	
		For Seal Class A, Add	255.11	
		For Work In Restricted Working Space, Add	239.17	
23 31 13 13-1151	LF	80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	949.82	484.32
		For Seal Class B, Add	121.08	
		For Seal Class A, Add	258.30	
		For Work In Restricted Working Space, Add	242.16	
23 31 13 13-1152	LF	80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	961.57	490.29
		For Seal Class B, Add	122.58	
		For Seal Class A, Add	261.49	
		For Work In Restricted Working Space, Add	245.15	
23 31 13 13-1153	LF	80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	983.26	502.26
		For Seal Class B, Add	125.57	
		For Seal Class A, Add	267.87	
		For Work In Restricted Working Space, Add	251.13	
23 31 13 13-1154	LF	82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	961.57	490.29
		For Seal Class B, Add	122.58	
		For Seal Class A, Add	261.49	
		For Work In Restricted Working Space, Add	245.15	
23 31 13 13-1155	LF	82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	973.30	496.29
		For Seal Class B, Add	124.07	
		For Seal Class A, Add	264.68	
		For Work In Restricted Working Space, Add	248.14	
23 31 13 13-1156	LF	82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	985.02	502.26
		For Seal Class B, Add	125.57	
		For Seal Class A, Add	267.87	
		For Work In Restricted Working Space, Add	251.13	
23 31 13 13-1157	LF	84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	985.02	502.26
		For Seal Class B, Add	125.57	
		For Seal Class A, Add	267.87	
		For Work In Restricted Working Space, Add	251.13	
23 31 13 13-1158	LF	84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	996.74	508.24
		For Seal Class B, Add	127.06	
		For Seal Class A, Add	271.06	
		For Work In Restricted Working Space, Add	254.12	
23 31 13 13-1159	LF	86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	1,008.46	514.22
		For Seal Class B, Add	128.55	
		For Seal Class A, Add	274.25	
		For Work In Restricted Working Space, Add	257.11	

23 31 13 16 Round and Flat-Oval Spiral Ducts (23 31 13)
23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct (23 31 13 16)

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85" or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 Galvanized Sheet Metal Round And Flat-Oval Ducts (23 31 13 16-0001)

Note: Includes straps and supports.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0003	LF	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	8.71	3.05
		For Seal Class B, Add	0.94	
		For Seal Class A, Add	2.50	
		For Up To 20', Add	0.74	
		For >20' To 50', Add	0.30	
		For >200' To 500', Deduct	-0.18	
		For >500', Deduct	-0.31	
		For 28 Gauge, Deduct	-0.34	
		For 24 Gauge, Add	0.34	
		For 22 Gauge, Add	0.68	
		For 20 Gauge, Add	1.02	
		For 18 Gauge, Add	1.35	
		For 16 Gauge, Add	1.66	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.82	
		For Work In Restricted Working Space, Add	1.88	
		For Elevated Installation >10' To 15', Add	0.63	
		For Elevated Installation >15' To 20', Add	1.25	
		For Elevated Installation >20' To 25', Add	1.56	
		For Elevated Installation >25' To 30', Add	2.19	
		For Elevated Installation >30' To 35', Add	2.50	
		For Elevated Installation >35' To 40', Add	3.13	
		For Elevated Installation >40', Add	3.44	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	10.05	3.47
		For Seal Class B, Add	1.04	
		For Seal Class A, Add	2.78	
		For Up To 20', Add	0.93	
		For >20' To 50', Add	0.37	
		For >200' To 500', Deduct	-0.23	
		For >500', Deduct	-0.39	
		For 28 Gauge, Deduct	-0.43	
		For 24 Gauge, Add	0.43	
		For 22 Gauge, Add	0.86	
		For 20 Gauge, Add	1.29	
		For 18 Gauge, Add	1.71	
		For 16 Gauge, Add	2.10	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.30	
		For Work In Restricted Working Space, Add	2.08	
		For Elevated Installation >10' To 15', Add	0.69	
		For Elevated Installation >15' To 20', Add	1.39	
		For Elevated Installation >20' To 25', Add	1.74	
		For Elevated Installation >25' To 30', Add	2.43	
		For Elevated Installation >30' To 35', Add	2.78	
		For Elevated Installation >35' To 40', Add	3.47	
		For Elevated Installation >40', Add	3.82	
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	11.40	4.16
		For Seal Class B, Add	1.17	
		For Seal Class A, Add	3.12	
		For Up To 20', Add	1.08	
		For >20' To 50', Add	0.43	
		For >200' To 500', Deduct	-0.27	
		For >500', Deduct	-0.45	
		For 28 Gauge, Deduct	-0.50	
		For 24 Gauge, Add	0.50	
		For 22 Gauge, Add	0.99	
		For 20 Gauge, Add	1.49	
		For 18 Gauge, Add	1.97	
		For 16 Gauge, Add	2.42	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.66	
		For Work In Restricted Working Space, Add	2.34	
		For Elevated Installation >10' To 15', Add	0.78	
		For Elevated Installation >15' To 20', Add	1.56	
		For Elevated Installation >20' To 25', Add	1.95	
		For Elevated Installation >25' To 30', Add	2.73	
		For Elevated Installation >30' To 35', Add	3.12	
		For Elevated Installation >35' To 40', Add	3.91	
		For Elevated Installation >40', Add	4.30	
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	12.79	4.86
		For Seal Class B, Add	1.34	
		For Seal Class A, Add	3.57	
		For Up To 20', Add	1.16	
		For >20' To 50', Add	0.46	
		For >200' To 500', Deduct	-0.29	
		For >500', Deduct	-0.48	
		For 28 Gauge, Deduct	-0.54	
		For 24 Gauge, Add	0.53	
		For 22 Gauge, Add	1.07	
		For 20 Gauge, Add	1.60	
		For 18 Gauge, Add	2.13	
		For 16 Gauge, Add	2.61	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.86	
		For Work In Restricted Working Space, Add	2.68	
		For Elevated Installation >10' To 15', Add	0.89	
		For Elevated Installation >15' To 20', Add	1.78	
		For Elevated Installation >20' To 25', Add	2.23	
		For Elevated Installation >25' To 30', Add	3.12	
		For Elevated Installation >30' To 35', Add	3.57	
		For Elevated Installation >35' To 40', Add	4.46	
		For Elevated Installation >40', Add	4.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	14.55	5.55	
		For Seal Class B, Add	1.56		
		For Seal Class A, Add	4.16		
		For Up To 20', Add	1.25		
		For >20' To 50', Add	0.50		
		For >200' To 500', Deduct	-0.31		
		For >500', Deduct	-0.52		
		For 28 Gauge, Deduct	-0.57		
		For 24 Gauge, Add	0.57		
		For 22 Gauge, Add	1.14		
		For 20 Gauge, Add	1.72		
		For 18 Gauge, Add	2.28		
		For 16 Gauge, Add	2.80		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.07		
		For Work In Restricted Working Space, Add	3.12		
		For Elevated Installation >10' To 15', Add	1.04		
		For Elevated Installation >15' To 20', Add	2.08		
		For Elevated Installation >20' To 25', Add	2.60		
		For Elevated Installation >25' To 30', Add	3.64		
		For Elevated Installation >30' To 35', Add	4.16		
		For Elevated Installation >35' To 40', Add	5.20		
		For Elevated Installation >40', Add	5.72		
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	18.53	6.94	
		For Seal Class B, Add	1.87		
		For Seal Class A, Add	4.99		
		For Up To 20', Add	1.82		
		For >20' To 50', Add	0.73		
		For >200' To 500', Deduct	-0.45		
		For >500', Deduct	-0.76		
		For 28 Gauge, Deduct	-0.84		
		For 24 Gauge, Add	0.83		
		For 22 Gauge, Add	1.67		
		For 20 Gauge, Add	2.50		
		For 18 Gauge, Add	3.33		
		For 16 Gauge, Add	4.08		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.48		
		For Work In Restricted Working Space, Add	3.74		
		For Elevated Installation >10' To 15', Add	1.25		
		For Elevated Installation >15' To 20', Add	2.50		
		For Elevated Installation >20' To 25', Add	3.12		
		For Elevated Installation >25' To 30', Add	4.37		
		For Elevated Installation >30' To 35', Add	4.99		
		For Elevated Installation >35' To 40', Add	6.24		
		For Elevated Installation >40', Add	6.86		
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	22.67	9.30	
		For Seal Class B, Add	2.34		
		For Seal Class A, Add	6.24		
		For Up To 20', Add	2.12		
		For >20' To 50', Add	0.85		
		For >200' To 500', Deduct	-0.53		
		For >500', Deduct	-0.88		
		For 28 Gauge, Deduct	-0.98		
		For 24 Gauge, Add	0.98		
		For 22 Gauge, Add	1.95		
		For 20 Gauge, Add	2.93		
		For 18 Gauge, Add	3.89		
		For 16 Gauge, Add	4.77		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.23		
		For Work In Restricted Working Space, Add	4.68		
		For Elevated Installation >10' To 15', Add	1.56		
		For Elevated Installation >15' To 20', Add	3.12		
		For Elevated Installation >20' To 25', Add	3.90		
		For Elevated Installation >25' To 30', Add	5.46		
		For Elevated Installation >30' To 35', Add	6.24		
		For Elevated Installation >35' To 40', Add	7.80		
		For Elevated Installation >40', Add	8.58		
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	27.54	13.87	
		For Seal Class B, Add	2.93		
		For Seal Class A, Add	7.80		
		For Up To 20', Add	2.41		
		For >20' To 50', Add	0.96		
		For >200' To 500', Deduct	-0.60		
		For >500', Deduct	-1.00		
		For 28 Gauge, Deduct	-1.11		
		For 24 Gauge, Add	1.11		
		For 22 Gauge, Add	2.21		
		For 20 Gauge, Add	3.32		
		For 18 Gauge, Add	4.42		
		For 16 Gauge, Add	5.42		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.94		
		For Work In Restricted Working Space, Add	5.85		
		For Elevated Installation >10' To 15', Add	1.95		
		For Elevated Installation >15' To 20', Add	3.90		
		For Elevated Installation >20' To 25', Add	4.88		
		For Elevated Installation >25' To 30', Add	6.83		
		For Elevated Installation >30' To 35', Add	7.80		
		For Elevated Installation >35' To 40', Add	9.76		
		For Elevated Installation >40', Add	10.73		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0011	LF	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	37.05	18.59
		For Seal Class B, Add	3.90	
		For Seal Class A, Add	10.41	
		For Up To 20', Add	3.31	
		For >20' To 50', Add	1.32	
		For >200' To 500', Deduct	-0.83	
		For >500', Deduct	-1.38	
		For 28 Gauge, Deduct	-1.53	
		For 24 Gauge, Add	1.52	
		For 22 Gauge, Add	3.04	
		For 20 Gauge, Add	4.57	
		For 18 Gauge, Add	6.07	
		For 16 Gauge, Add	7.45	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.16	
		For Work In Restricted Working Space, Add	7.81	
		For Elevated Installation >10' To 15', Add	2.60	
		For Elevated Installation >15' To 20', Add	5.20	
		For Elevated Installation >20' To 25', Add	6.51	
		For Elevated Installation >25' To 30', Add	9.11	
		For Elevated Installation >30' To 35', Add	10.41	
		For Elevated Installation >35' To 40', Add	13.01	
		For Elevated Installation >40', Add	14.31	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	52.54	22.33
		For Up To 20', Add	6.40	
		For >20' To 50', Add	2.56	
		For >200' To 500', Deduct	-1.60	
		For >500', Deduct	-2.67	
		For 28 Gauge, Deduct	-2.95	
		For 24 Gauge, Add	2.94	
		For 22 Gauge, Add	5.87	
		For 20 Gauge, Add	8.83	
		For 18 Gauge, Add	11.73	
		For 16 Gauge, Add	14.39	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.78	
		For Work In Restricted Working Space, Add	9.37	
		For Elevated Installation >10' To 15', Add	3.12	
		For Elevated Installation >15' To 20', Add	6.24	
		For Elevated Installation >20' To 25', Add	7.81	
		For Elevated Installation >25' To 30', Add	10.93	
		For Elevated Installation >30' To 35', Add	12.49	
		For Elevated Installation >35' To 40', Add	15.61	
		For Elevated Installation >40', Add	17.17	
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	59.88	25.80
		For Up To 20', Add	7.14	
		For >20' To 50', Add	2.86	
		For >200' To 500', Deduct	-1.79	
		For >500', Deduct	-2.98	
		For 28 Gauge, Deduct	-3.30	
		For 24 Gauge, Add	3.28	
		For 22 Gauge, Add	6.56	
		For 20 Gauge, Add	9.85	
		For 18 Gauge, Add	13.09	
		For 16 Gauge, Add	16.07	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.61	
		For Work In Restricted Working Space, Add	10.82	
		For Elevated Installation >10' To 15', Add	3.61	
		For Elevated Installation >15' To 20', Add	7.22	
		For Elevated Installation >20' To 25', Add	9.02	
		For Elevated Installation >25' To 30', Add	12.63	
		For Elevated Installation >30' To 35', Add	14.43	
		For Elevated Installation >35' To 40', Add	18.04	
		For Elevated Installation >40', Add	19.84	

23 31 13 16-0014 Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows (23 31 13 16-0001)

Note: Up to 90 degree.

23 31 13 16-0015	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	44.06	18.52
		For Seal Class B, Add	5.56	
		For Seal Class A, Add	14.82	
		For 28 Gauge, Deduct	-0.97	
		For 24 Gauge, Add	0.97	
		For 22 Gauge, Add	1.93	
		For 20 Gauge, Add	2.91	
		For 18 Gauge, Add	3.86	
		For 16 Gauge, Add	4.74	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.19	
		For Work In Restricted Working Space, Add	11.11	
		For Elevated Installation >10' To 15', Add	3.70	
		For Elevated Installation >15' To 20', Add	7.41	
		For Elevated Installation >20' To 25', Add	9.26	
		For Elevated Installation >25' To 30', Add	12.96	
		For Elevated Installation >30' To 35', Add	14.82	
		For Elevated Installation >35' To 40', Add	18.52	
		For Elevated Installation >40', Add	20.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0016	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	50.38	21.37	
		For Seal Class B, Add	6.41		
		For Seal Class A, Add	17.10		
		For 28 Gauge, Deduct	-1.06		
		For 24 Gauge, Add	1.05		
		For 22 Gauge, Add	2.10		
		For 20 Gauge, Add	3.16		
		For 18 Gauge, Add	4.20		
		For 16 Gauge, Add	5.16		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.65		
		For Work In Restricted Working Space, Add	12.82		
		For Elevated Installation >10' To 15', Add	4.27		
		For Elevated Installation >15' To 20', Add	8.55		
		For Elevated Installation >20' To 25', Add	10.69		
		For Elevated Installation >25' To 30', Add	14.96		
		For Elevated Installation >30' To 35', Add	17.10		
		For Elevated Installation >35' To 40', Add	21.37		
		For Elevated Installation >40', Add	23.51		
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	59.10	25.25	
		For Seal Class B, Add	7.58		
		For Seal Class A, Add	20.20		
		For 28 Gauge, Deduct	-1.19		
		For 24 Gauge, Add	1.19		
		For 22 Gauge, Add	2.37		
		For 20 Gauge, Add	3.56		
		For 18 Gauge, Add	4.73		
		For 16 Gauge, Add	5.81		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.36		
		For Work In Restricted Working Space, Add	15.15		
		For Elevated Installation >10' To 15', Add	5.05		
		For Elevated Installation >15' To 20', Add	10.10		
		For Elevated Installation >20' To 25', Add	12.63		
		For Elevated Installation >25' To 30', Add	17.68		
		For Elevated Installation >30' To 35', Add	20.20		
		For Elevated Installation >35' To 40', Add	25.25		
		For Elevated Installation >40', Add	27.78		
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	75.50	32.46	
		For Seal Class B, Add	9.74		
		For Seal Class A, Add	25.97		
		For 28 Gauge, Deduct	-1.46		
		For 24 Gauge, Add	1.46		
		For 22 Gauge, Add	2.91		
		For 20 Gauge, Add	4.38		
		For 18 Gauge, Add	5.81		
		For 16 Gauge, Add	7.13		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.82		
		For Work In Restricted Working Space, Add	19.48		
		For Elevated Installation >10' To 15', Add	6.49		
		For Elevated Installation >15' To 20', Add	12.99		
		For Elevated Installation >20' To 25', Add	16.23		
		For Elevated Installation >25' To 30', Add	22.73		
		For Elevated Installation >30' To 35', Add	25.97		
		For Elevated Installation >35' To 40', Add	32.47		
		For Elevated Installation >40', Add	35.71		
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	90.49	39.54	
		For Seal Class B, Add	11.86		
		For Seal Class A, Add	31.63		
		For 28 Gauge, Deduct	-1.58		
		For 24 Gauge, Add	1.57		
		For 22 Gauge, Add	3.14		
		For 20 Gauge, Add	4.72		
		For 18 Gauge, Add	6.28		
		For 16 Gauge, Add	7.70		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.44		
		For Work In Restricted Working Space, Add	23.72		
		For Elevated Installation >10' To 15', Add	7.91		
		For Elevated Installation >15' To 20', Add	15.82		
		For Elevated Installation >20' To 25', Add	19.77		
		For Elevated Installation >25' To 30', Add	27.68		
		For Elevated Installation >30' To 35', Add	31.63		
		For Elevated Installation >35' To 40', Add	39.54		
		For Elevated Installation >40', Add	43.49		
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	138.54	61.74	
		For Seal Class B, Add	18.52		
		For Seal Class A, Add	49.39		
		For 28 Gauge, Deduct	-2.09		
		For 24 Gauge, Add	2.08		
		For 22 Gauge, Add	4.15		
		For 20 Gauge, Add	6.23		
		For 18 Gauge, Add	8.28		
		For 16 Gauge, Add	10.17		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.14		
		For Work In Restricted Working Space, Add	37.04		
		For Elevated Installation >10' To 15', Add	12.35		
		For Elevated Installation >15' To 20', Add	24.70		
		For Elevated Installation >20' To 25', Add	30.87		
		For Elevated Installation >25' To 30', Add	43.22		
		For Elevated Installation >30' To 35', Add	49.39		
		For Elevated Installation >35' To 40', Add	61.74		
		For Elevated Installation >40', Add	67.91		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0021	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	191.06	85.33
		For Seal Class B, Add	25.60	
		For Seal Class A, Add	68.26	
		For 28 Gauge, Deduct	-2.83	
		For 24 Gauge, Add	2.82	
		For 22 Gauge, Add	5.62	
		For 20 Gauge, Add	8.45	
		For 18 Gauge, Add	11.23	
		For 16 Gauge, Add	13.78	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.10	
		For Work In Restricted Working Space, Add	51.20	
		For Elevated Installation >10' To 15', Add	17.07	
		For Elevated Installation >15' To 20', Add	34.13	
		For Elevated Installation >20' To 25', Add	42.66	
		For Elevated Installation >25' To 30', Add	59.73	
		For Elevated Installation >30' To 35', Add	68.26	
		For Elevated Installation >35' To 40', Add	85.33	
		For Elevated Installation >40', Add	93.86	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	233.15	100.93
		For Seal Class B, Add	30.28	
		For Seal Class A, Add	80.75	
		For 28 Gauge, Deduct	-4.33	
		For 24 Gauge, Add	4.32	
		For 22 Gauge, Add	8.62	
		For 20 Gauge, Add	12.95	
		For 18 Gauge, Add	17.20	
		For 16 Gauge, Add	21.11	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.15	
		For Work In Restricted Working Space, Add	60.56	
		For Elevated Installation >10' To 15', Add	20.19	
		For Elevated Installation >15' To 20', Add	40.37	
		For Elevated Installation >20' To 25', Add	50.47	
		For Elevated Installation >25' To 30', Add	70.65	
		For Elevated Installation >30' To 35', Add	80.75	
		For Elevated Installation >35' To 40', Add	100.94	
		For Elevated Installation >40', Add	111.03	
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	266.82	110.99
		For Seal Class B, Add	33.30	
		For Seal Class A, Add	88.80	
		For 28 Gauge, Deduct	-6.21	
		For 24 Gauge, Add	6.19	
		For 22 Gauge, Add	12.35	
		For 20 Gauge, Add	18.56	
		For 18 Gauge, Add	24.66	
		For 16 Gauge, Add	30.26	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.17	
		For Work In Restricted Working Space, Add	66.60	
		For Elevated Installation >10' To 15', Add	22.20	
		For Elevated Installation >15' To 20', Add	44.40	
		For Elevated Installation >20' To 25', Add	55.50	
		For Elevated Installation >25' To 30', Add	77.70	
		For Elevated Installation >30' To 35', Add	88.80	
		For Elevated Installation >35' To 40', Add	111.00	
		For Elevated Installation >40', Add	122.09	
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	298.12	115.50
		For Seal Class B, Add	34.65	
		For Seal Class A, Add	92.40	
		For 28 Gauge, Deduct	-9.30	
		For 24 Gauge, Add	9.26	
		For 22 Gauge, Add	18.49	
		For 20 Gauge, Add	27.79	
		For 18 Gauge, Add	36.92	
		For 16 Gauge, Add	45.31	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	49.67	
		For Work In Restricted Working Space, Add	69.30	
		For Elevated Installation >10' To 15', Add	23.10	
		For Elevated Installation >15' To 20', Add	46.20	
		For Elevated Installation >20' To 25', Add	57.75	
		For Elevated Installation >25' To 30', Add	80.85	
		For Elevated Installation >30' To 35', Add	92.40	
		For Elevated Installation >35' To 40', Add	115.50	
		For Elevated Installation >40', Add	127.05	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	328.12	119.31
		For Seal Class B, Add	35.79	
		For Seal Class A, Add	95.45	
		For 28 Gauge, Deduct	-12.39	
		For 24 Gauge, Add	12.35	
		For 22 Gauge, Add	24.65	
		For 20 Gauge, Add	37.05	
		For 18 Gauge, Add	49.22	
		For 16 Gauge, Add	60.41	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	66.22	
		For Work In Restricted Working Space, Add	71.59	
		For Elevated Installation >10' To 15', Add	23.86	
		For Elevated Installation >15' To 20', Add	47.73	
		For Elevated Installation >20' To 25', Add	59.66	
		For Elevated Installation >25' To 30', Add	83.52	
		For Elevated Installation >30' To 35', Add	95.45	
		For Elevated Installation >35' To 40', Add	119.32	
		For Elevated Installation >40', Add	131.25	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0026		Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows (23 31 13 16-0001)		
23 31 13 16-0027	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	37.12	12.48
		For Seal Class B, Add	4.68	
		For Seal Class A, Add	12.49	
		For 28 Gauge, Deduct	-0.82	
		For 24 Gauge, Add	0.81	
		For 22 Gauge, Add	1.63	
		For 20 Gauge, Add	2.44	
		For 18 Gauge, Add	3.25	
		For 16 Gauge, Add	3.98	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.37	
		For Work In Restricted Working Space, Add	9.37	
		For Elevated Installation >10' To 15', Add	3.12	
		For Elevated Installation >15' To 20', Add	6.24	
		For Elevated Installation >20' To 25', Add	7.81	
		For Elevated Installation >25' To 30', Add	10.93	
		For Elevated Installation >30' To 35', Add	12.49	
		For Elevated Installation >35' To 40', Add	15.61	
		For Elevated Installation >40', Add	17.17	
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	42.40	14.29
		For Seal Class B, Add	5.35	
		For Seal Class A, Add	14.27	
		For 28 Gauge, Deduct	-0.93	
		For 24 Gauge, Add	0.93	
		For 22 Gauge, Add	1.85	
		For 20 Gauge, Add	2.79	
		For 18 Gauge, Add	3.70	
		For 16 Gauge, Add	4.54	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.98	
		For Work In Restricted Working Space, Add	10.70	
		For Elevated Installation >10' To 15', Add	3.57	
		For Elevated Installation >15' To 20', Add	7.13	
		For Elevated Installation >20' To 25', Add	8.92	
		For Elevated Installation >25' To 30', Add	12.48	
		For Elevated Installation >30' To 35', Add	14.27	
		For Elevated Installation >35' To 40', Add	17.84	
		For Elevated Installation >40', Add	19.62	
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	49.28	16.65
		For Seal Class B, Add	6.24	
		For Seal Class A, Add	16.65	
		For 28 Gauge, Deduct	-1.06	
		For 24 Gauge, Add	1.06	
		For 22 Gauge, Add	2.11	
		For 20 Gauge, Add	3.17	
		For 18 Gauge, Add	4.21	
		For 16 Gauge, Add	5.17	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.67	
		For Work In Restricted Working Space, Add	12.49	
		For Elevated Installation >10' To 15', Add	4.16	
		For Elevated Installation >15' To 20', Add	8.32	
		For Elevated Installation >20' To 25', Add	10.41	
		For Elevated Installation >25' To 30', Add	14.57	
		For Elevated Installation >30' To 35', Add	16.65	
		For Elevated Installation >35' To 40', Add	20.81	
		For Elevated Installation >40', Add	22.89	
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	58.07	19.98
		For Seal Class B, Add	7.49	
		For Seal Class A, Add	19.98	
		For 28 Gauge, Deduct	-1.12	
		For 24 Gauge, Add	1.12	
		For 22 Gauge, Add	2.24	
		For 20 Gauge, Add	3.36	
		For 18 Gauge, Add	4.47	
		For 16 Gauge, Add	5.48	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.01	
		For Work In Restricted Working Space, Add	14.99	
		For Elevated Installation >10' To 15', Add	5.00	
		For Elevated Installation >15' To 20', Add	9.99	
		For Elevated Installation >20' To 25', Add	12.49	
		For Elevated Installation >25' To 30', Add	17.48	
		For Elevated Installation >30' To 35', Add	19.98	
		For Elevated Installation >35' To 40', Add	24.98	
		For Elevated Installation >40', Add	27.47	
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	71.86	24.97
		For Seal Class B, Add	9.36	
		For Seal Class A, Add	24.97	
		For 28 Gauge, Deduct	-1.31	
		For 24 Gauge, Add	1.30	
		For 22 Gauge, Add	2.60	
		For 20 Gauge, Add	3.90	
		For 18 Gauge, Add	5.19	
		For 16 Gauge, Add	6.37	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.98	
		For Work In Restricted Working Space, Add	18.73	
		For Elevated Installation >10' To 15', Add	6.24	
		For Elevated Installation >15' To 20', Add	12.49	
		For Elevated Installation >20' To 25', Add	15.61	
		For Elevated Installation >25' To 30', Add	21.85	
		For Elevated Installation >30' To 35', Add	24.97	
		For Elevated Installation >35' To 40', Add	31.22	
		For Elevated Installation >40', Add	34.34	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0032	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	96.72	33.30
		For Seal Class B, Add	12.49	
		For Seal Class A, Add	33.30	
		For 28 Gauge, Deduct	-1.87	
		For 24 Gauge, Add	1.86	
		For 22 Gauge, Add	3.71	
		For 20 Gauge, Add	5.58	
		For 18 Gauge, Add	7.41	
		For 16 Gauge, Add	9.09	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.97	
		For Work In Restricted Working Space, Add	24.98	
		For Elevated Installation >10' To 15', Add	8.33	
		For Elevated Installation >15' To 20', Add	16.65	
		For Elevated Installation >20' To 25', Add	20.81	
		For Elevated Installation >25' To 30', Add	29.14	
		For Elevated Installation >30' To 35', Add	33.30	
		For Elevated Installation >35' To 40', Add	41.63	
		For Elevated Installation >40', Add	45.79	
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	142.69	49.95
		For Seal Class B, Add	18.73	
		For Seal Class A, Add	49.95	
		For 28 Gauge, Deduct	-2.47	
		For 24 Gauge, Add	2.46	
		For 22 Gauge, Add	4.91	
		For 20 Gauge, Add	7.38	
		For 18 Gauge, Add	9.80	
		For 16 Gauge, Add	12.03	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.19	
		For Work In Restricted Working Space, Add	37.46	
		For Elevated Installation >10' To 15', Add	12.49	
		For Elevated Installation >15' To 20', Add	24.97	
		For Elevated Installation >20' To 25', Add	31.22	
		For Elevated Installation >25' To 30', Add	43.70	
		For Elevated Installation >30' To 35', Add	49.95	
		For Elevated Installation >35' To 40', Add	62.44	
		For Elevated Installation >40', Add	68.68	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	192.90	63.82
		For Seal Class B, Add	23.93	
		For Seal Class A, Add	63.82	
		For 28 Gauge, Deduct	-4.62	
		For 24 Gauge, Add	4.60	
		For 22 Gauge, Add	9.19	
		For 20 Gauge, Add	13.81	
		For 18 Gauge, Add	18.34	
		For 16 Gauge, Add	22.51	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.68	
		For Work In Restricted Working Space, Add	47.87	
		For Elevated Installation >10' To 15', Add	15.96	
		For Elevated Installation >15' To 20', Add	31.91	
		For Elevated Installation >20' To 25', Add	39.89	
		For Elevated Installation >25' To 30', Add	55.84	
		For Elevated Installation >30' To 35', Add	63.82	
		For Elevated Installation >35' To 40', Add	79.78	
		For Elevated Installation >40', Add	87.75	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	241.98	80.47
		For Seal Class B, Add	30.18	
		For Seal Class A, Add	80.47	
		For 28 Gauge, Deduct	-5.65	
		For 24 Gauge, Add	5.63	
		For 22 Gauge, Add	11.24	
		For 20 Gauge, Add	16.90	
		For 18 Gauge, Add	22.45	
		For 16 Gauge, Add	27.55	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.20	
		For Work In Restricted Working Space, Add	60.35	
		For Elevated Installation >10' To 15', Add	20.12	
		For Elevated Installation >15' To 20', Add	40.23	
		For Elevated Installation >20' To 25', Add	50.29	
		For Elevated Installation >25' To 30', Add	70.41	
		For Elevated Installation >30' To 35', Add	80.47	
		For Elevated Installation >35' To 40', Add	100.59	
		For Elevated Installation >40', Add	110.64	
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	272.88	83.94
		For Seal Class B, Add	31.42	
		For Seal Class A, Add	83.80	
		For 28 Gauge, Deduct	-8.78	
		For 24 Gauge, Add	8.75	
		For 22 Gauge, Add	17.46	
		For 20 Gauge, Add	26.24	
		For 18 Gauge, Add	34.86	
		For 16 Gauge, Add	42.79	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	46.91	
		For Work In Restricted Working Space, Add	62.85	
		For Elevated Installation >10' To 15', Add	20.95	
		For Elevated Installation >15' To 20', Add	41.90	
		For Elevated Installation >20' To 25', Add	52.37	
		For Elevated Installation >25' To 30', Add	73.32	
		For Elevated Installation >30' To 35', Add	83.80	
		For Elevated Installation >35' To 40', Add	104.75	
		For Elevated Installation >40', Add	115.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0037	EA		20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	299.56	86.01
			For Seal Class B, Add	32.26	
			For Seal Class A, Add	86.02	
			For 28 Gauge, Deduct	-11.71	
			For 24 Gauge, Add	11.66	
			For 22 Gauge, Add	23.29	
			For 20 Gauge, Add	34.99	
			For 18 Gauge, Add	46.49	
			For 16 Gauge, Add	57.05	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	62.54	
			For Work In Restricted Working Space, Add	64.51	
			For Elevated Installation >10' To 15', Add	21.50	
			For Elevated Installation >15' To 20', Add	43.01	
			For Elevated Installation >20' To 25', Add	53.76	
			For Elevated Installation >25' To 30', Add	75.26	
			For Elevated Installation >30' To 35', Add	86.02	
			For Elevated Installation >35' To 40', Add	107.52	
			For Elevated Installation >40', Add	118.27	
23 31 13 16-0038			Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows (23 31 13 16-0001)		
23 31 13 16-0039	EA		4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	34.93	12.48
			For Seal Class B, Add	4.68	
			For Seal Class A, Add	12.49	
			For 28 Gauge, Deduct	-0.51	
			For 24 Gauge, Add	0.51	
			For 22 Gauge, Add	1.02	
			For 20 Gauge, Add	1.54	
			For 18 Gauge, Add	2.04	
			For 16 Gauge, Add	2.50	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.75	
			For Work In Restricted Working Space, Add	9.37	
			For Elevated Installation >10' To 15', Add	3.12	
			For Elevated Installation >15' To 20', Add	6.24	
			For Elevated Installation >20' To 25', Add	7.81	
			For Elevated Installation >25' To 30', Add	10.93	
			For Elevated Installation >30' To 35', Add	12.49	
			For Elevated Installation >35' To 40', Add	15.61	
			For Elevated Installation >40', Add	17.17	
23 31 13 16-0040	EA		5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	40.43	14.29
			For Seal Class B, Add	5.35	
			For Seal Class A, Add	14.27	
			For 28 Gauge, Deduct	-0.66	
			For 24 Gauge, Add	0.66	
			For 22 Gauge, Add	1.31	
			For 20 Gauge, Add	1.97	
			For 18 Gauge, Add	2.62	
			For 16 Gauge, Add	3.21	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.52	
			For Work In Restricted Working Space, Add	10.70	
			For Elevated Installation >10' To 15', Add	3.57	
			For Elevated Installation >15' To 20', Add	7.13	
			For Elevated Installation >20' To 25', Add	8.92	
			For Elevated Installation >25' To 30', Add	12.48	
			For Elevated Installation >30' To 35', Add	14.27	
			For Elevated Installation >35' To 40', Add	17.84	
			For Elevated Installation >40', Add	19.62	
23 31 13 16-0041	EA		6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	46.82	16.65
			For Seal Class B, Add	6.24	
			For Seal Class A, Add	16.65	
			For 28 Gauge, Deduct	-0.72	
			For 24 Gauge, Add	0.72	
			For 22 Gauge, Add	1.43	
			For 20 Gauge, Add	2.15	
			For 18 Gauge, Add	2.86	
			For 16 Gauge, Add	3.51	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.85	
			For Work In Restricted Working Space, Add	12.49	
			For Elevated Installation >10' To 15', Add	4.16	
			For Elevated Installation >15' To 20', Add	8.32	
			For Elevated Installation >20' To 25', Add	10.41	
			For Elevated Installation >25' To 30', Add	14.57	
			For Elevated Installation >30' To 35', Add	16.65	
			For Elevated Installation >35' To 40', Add	20.81	
			For Elevated Installation >40', Add	22.89	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0042	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	55.98	19.98
		For Seal Class B, Add	7.49	
		For Seal Class A, Add	19.98	
		For 28 Gauge, Deduct	-0.84	
		For 24 Gauge, Add	0.83	
		For 22 Gauge, Add	1.66	
		For 20 Gauge, Add	2.50	
		For 18 Gauge, Add	3.32	
		For 16 Gauge, Add	4.07	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.46	
		For Work In Restricted Working Space, Add	14.99	
		For Elevated Installation >10' To 15', Add	5.00	
		For Elevated Installation >15' To 20', Add	9.99	
		For Elevated Installation >20' To 25', Add	12.49	
		For Elevated Installation >25' To 30', Add	17.48	
		For Elevated Installation >30' To 35', Add	19.98	
		For Elevated Installation >35' To 40', Add	24.98	
		For Elevated Installation >40', Add	27.47	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	69.29	24.97
		For Seal Class B, Add	9.36	
		For Seal Class A, Add	24.97	
		For 28 Gauge, Deduct	-0.95	
		For 24 Gauge, Add	0.95	
		For 22 Gauge, Add	1.89	
		For 20 Gauge, Add	2.84	
		For 18 Gauge, Add	3.77	
		For 16 Gauge, Add	4.63	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.08	
		For Work In Restricted Working Space, Add	18.73	
		For Elevated Installation >10' To 15', Add	6.24	
		For Elevated Installation >15' To 20', Add	12.49	
		For Elevated Installation >20' To 25', Add	15.61	
		For Elevated Installation >25' To 30', Add	21.85	
		For Elevated Installation >30' To 35', Add	24.97	
		For Elevated Installation >35' To 40', Add	31.22	
		For Elevated Installation >40', Add	34.34	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	93.71	33.30
		For Seal Class B, Add	12.49	
		For Seal Class A, Add	33.30	
		For 28 Gauge, Deduct	-1.45	
		For 24 Gauge, Add	1.44	
		For 22 Gauge, Add	2.88	
		For 20 Gauge, Add	4.33	
		For 18 Gauge, Add	5.75	
		For 16 Gauge, Add	7.06	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.74	
		For Work In Restricted Working Space, Add	24.98	
		For Elevated Installation >10' To 15', Add	8.33	
		For Elevated Installation >15' To 20', Add	16.65	
		For Elevated Installation >20' To 25', Add	20.81	
		For Elevated Installation >25' To 30', Add	29.14	
		For Elevated Installation >30' To 35', Add	33.30	
		For Elevated Installation >35' To 40', Add	41.63	
		For Elevated Installation >40', Add	45.79	
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	138.34	49.95
		For Seal Class B, Add	18.73	
		For Seal Class A, Add	49.95	
		For 28 Gauge, Deduct	-1.87	
		For 24 Gauge, Add	1.86	
		For 22 Gauge, Add	3.71	
		For 20 Gauge, Add	5.58	
		For 18 Gauge, Add	7.41	
		For 16 Gauge, Add	9.09	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.97	
		For Work In Restricted Working Space, Add	37.46	
		For Elevated Installation >10' To 15', Add	12.49	
		For Elevated Installation >15' To 20', Add	24.97	
		For Elevated Installation >20' To 25', Add	31.22	
		For Elevated Installation >25' To 30', Add	43.70	
		For Elevated Installation >30' To 35', Add	49.95	
		For Elevated Installation >35' To 40', Add	62.44	
		For Elevated Installation >40', Add	68.68	
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	182.86	63.82
		For Seal Class B, Add	23.93	
		For Seal Class A, Add	63.82	
		For 28 Gauge, Deduct	-3.23	
		For 24 Gauge, Add	3.22	
		For 22 Gauge, Add	6.42	
		For 20 Gauge, Add	9.65	
		For 18 Gauge, Add	12.82	
		For 16 Gauge, Add	15.73	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.25	
		For Work In Restricted Working Space, Add	47.87	
		For Elevated Installation >10' To 15', Add	15.96	
		For Elevated Installation >15' To 20', Add	31.91	
		For Elevated Installation >20' To 25', Add	39.89	
		For Elevated Installation >25' To 30', Add	55.84	
		For Elevated Installation >30' To 35', Add	63.82	
		For Elevated Installation >35' To 40', Add	79.78	
		For Elevated Installation >40', Add	87.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0047	EA		16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	239.39	80.47
			For Seal Class B, Add	30.18	
			For Seal Class A, Add	80.47	
			For 28 Gauge, Deduct	-5.29	
			For 24 Gauge, Add	5.27	
			For 22 Gauge, Add	10.53	
			For 20 Gauge, Add	15.82	
			For 18 Gauge, Add	21.02	
			For 16 Gauge, Add	25.80	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.28	
			For Work In Restricted Working Space, Add	60.35	
			For Elevated Installation >10' To 15', Add	20.12	
			For Elevated Installation >15' To 20', Add	40.23	
			For Elevated Installation >20' To 25', Add	50.29	
			For Elevated Installation >25' To 30', Add	70.41	
			For Elevated Installation >30' To 35', Add	80.47	
			For Elevated Installation >35' To 40', Add	100.59	
			For Elevated Installation >40', Add	110.64	
23 31 13 16-0048	EA		18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	255.69	83.94
			For Seal Class B, Add	31.42	
			For Seal Class A, Add	83.80	
			For 28 Gauge, Deduct	-6.40	
			For 24 Gauge, Add	6.38	
			For 22 Gauge, Add	12.73	
			For 20 Gauge, Add	19.13	
			For 18 Gauge, Add	25.41	
			For 16 Gauge, Add	31.19	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	34.19	
			For Work In Restricted Working Space, Add	62.85	
			For Elevated Installation >10' To 15', Add	20.95	
			For Elevated Installation >15' To 20', Add	41.90	
			For Elevated Installation >20' To 25', Add	52.37	
			For Elevated Installation >25' To 30', Add	73.32	
			For Elevated Installation >30' To 35', Add	83.80	
			For Elevated Installation >35' To 40', Add	104.75	
			For Elevated Installation >40', Add	115.22	
23 31 13 16-0049	EA		20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	274.23	86.01
			For Seal Class B, Add	32.26	
			For Seal Class A, Add	86.02	
			For 28 Gauge, Deduct	-8.20	
			For 24 Gauge, Add	8.17	
			For 22 Gauge, Add	16.31	
			For 20 Gauge, Add	24.50	
			For 18 Gauge, Add	32.55	
			For 16 Gauge, Add	39.95	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	43.80	
			For Work In Restricted Working Space, Add	64.51	
			For Elevated Installation >10' To 15', Add	21.50	
			For Elevated Installation >15' To 20', Add	43.01	
			For Elevated Installation >20' To 25', Add	53.76	
			For Elevated Installation >25' To 30', Add	75.26	
			For Elevated Installation >30' To 35', Add	86.02	
			For Elevated Installation >35' To 40', Add	107.52	
			For Elevated Installation >40', Add	118.27	
23 31 13 16-0050			Galvanized Sheet Metal Round And Flat-Oval Tees (23 31 13 16-0001)		
23 31 13 16-0051	EA		4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	55.09	18.73
			For Seal Class B, Add	7.02	
			For Seal Class A, Add	18.73	
			For 28 Gauge, Deduct	-1.15	
			For 24 Gauge, Add	1.14	
			For 22 Gauge, Add	2.28	
			For 20 Gauge, Add	3.42	
			For 18 Gauge, Add	4.55	
			For 16 Gauge, Add	5.58	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.12	
			For Work In Restricted Working Space, Add	14.05	
			For Elevated Installation >10' To 15', Add	4.68	
			For Elevated Installation >15' To 20', Add	9.36	
			For Elevated Installation >20' To 25', Add	11.71	
			For Elevated Installation >25' To 30', Add	16.39	
			For Elevated Installation >30' To 35', Add	18.73	
			For Elevated Installation >35' To 40', Add	23.41	
			For Elevated Installation >40', Add	25.75	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0052	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	64.50	21.37
		For Seal Class B, Add	8.03	
		For Seal Class A, Add	21.41	
		For 28 Gauge, Deduct	-1.52	
		For 24 Gauge, Add	1.52	
		For 22 Gauge, Add	3.02	
		For 20 Gauge, Add	4.55	
		For 18 Gauge, Add	6.04	
		For 16 Gauge, Add	7.41	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.13	
		For Work In Restricted Working Space, Add	16.06	
		For Elevated Installation >10' To 15', Add	5.35	
		For Elevated Installation >15' To 20', Add	10.70	
		For Elevated Installation >20' To 25', Add	13.38	
		For Elevated Installation >25' To 30', Add	18.73	
		For Elevated Installation >30' To 35', Add	21.41	
		For Elevated Installation >35' To 40', Add	26.76	
		For Elevated Installation >40', Add	29.44	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	74.34	24.97
		For Seal Class B, Add	9.36	
		For Seal Class A, Add	24.97	
		For 28 Gauge, Deduct	-1.65	
		For 24 Gauge, Add	1.64	
		For 22 Gauge, Add	3.28	
		For 20 Gauge, Add	4.93	
		For 18 Gauge, Add	6.55	
		For 16 Gauge, Add	8.04	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.81	
		For Work In Restricted Working Space, Add	18.73	
		For Elevated Installation >10' To 15', Add	6.24	
		For Elevated Installation >15' To 20', Add	12.49	
		For Elevated Installation >20' To 25', Add	15.61	
		For Elevated Installation >25' To 30', Add	21.85	
		For Elevated Installation >30' To 35', Add	24.97	
		For Elevated Installation >35' To 40', Add	31.22	
		For Elevated Installation >40', Add	34.34	
23 31 13 16-0054	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	88.63	29.97
		For Seal Class B, Add	11.24	
		For Seal Class A, Add	29.97	
		For 28 Gauge, Deduct	-1.90	
		For 24 Gauge, Add	1.89	
		For 22 Gauge, Add	3.78	
		For 20 Gauge, Add	5.68	
		For 18 Gauge, Add	7.54	
		For 16 Gauge, Add	9.25	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.15	
		For Work In Restricted Working Space, Add	22.48	
		For Elevated Installation >10' To 15', Add	7.49	
		For Elevated Installation >15' To 20', Add	14.98	
		For Elevated Installation >20' To 25', Add	18.73	
		For Elevated Installation >25' To 30', Add	26.22	
		For Elevated Installation >30' To 35', Add	29.97	
		For Elevated Installation >35' To 40', Add	37.46	
		For Elevated Installation >40', Add	41.21	
23 31 13 16-0055	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	115.83	37.46
		For Seal Class B, Add	14.05	
		For Seal Class A, Add	37.46	
		For 28 Gauge, Deduct	-3.07	
		For 24 Gauge, Add	3.06	
		For 22 Gauge, Add	6.11	
		For 20 Gauge, Add	9.18	
		For 18 Gauge, Add	12.19	
		For 16 Gauge, Add	14.96	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.41	
		For Work In Restricted Working Space, Add	28.10	
		For Elevated Installation >10' To 15', Add	9.37	
		For Elevated Installation >15' To 20', Add	18.73	
		For Elevated Installation >20' To 25', Add	23.42	
		For Elevated Installation >25' To 30', Add	32.78	
		For Elevated Installation >30' To 35', Add	37.46	
		For Elevated Installation >35' To 40', Add	46.83	
		For Elevated Installation >40', Add	51.51	
23 31 13 16-0056	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	153.15	49.95
		For Seal Class B, Add	18.73	
		For Seal Class A, Add	49.95	
		For 28 Gauge, Deduct	-3.92	
		For 24 Gauge, Add	3.90	
		For 22 Gauge, Add	7.79	
		For 20 Gauge, Add	11.71	
		For 18 Gauge, Add	15.55	
		For 16 Gauge, Add	19.09	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.93	
		For Work In Restricted Working Space, Add	37.46	
		For Elevated Installation >10' To 15', Add	12.49	
		For Elevated Installation >15' To 20', Add	24.97	
		For Elevated Installation >20' To 25', Add	31.22	
		For Elevated Installation >25' To 30', Add	43.70	
		For Elevated Installation >30' To 35', Add	49.95	
		For Elevated Installation >35' To 40', Add	62.44	
		For Elevated Installation >40', Add	68.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0057	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	215.54	74.92	
		For Seal Class B, Add	28.09		
		For Seal Class A, Add	74.90		
		For 28 Gauge, Deduct	-3.92		
		For 24 Gauge, Add	3.90		
		For 22 Gauge, Add	7.79		
		For 20 Gauge, Add	11.71		
		For 18 Gauge, Add	15.55		
		For 16 Gauge, Add	19.09		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.93		
		For Work In Restricted Working Space, Add	56.18		
		For Elevated Installation >10' To 15', Add	18.73		
		For Elevated Installation >15' To 20', Add	37.45		
		For Elevated Installation >20' To 25', Add	46.82		
		For Elevated Installation >25' To 30', Add	65.54		
		For Elevated Installation >30' To 35', Add	74.90		
		For Elevated Installation >35' To 40', Add	93.63		
		For Elevated Installation >40', Add	102.99		
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	293.07	95.45	
		For Seal Class B, Add	35.88		
		For Seal Class A, Add	95.68		
		For 28 Gauge, Deduct	-7.46		
		For 24 Gauge, Add	7.43		
		For 22 Gauge, Add	14.84		
		For 20 Gauge, Add	22.30		
		For 18 Gauge, Add	29.62		
		For 16 Gauge, Add	36.36		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.86		
		For Work In Restricted Working Space, Add	71.76		
		For Elevated Installation >10' To 15', Add	23.92		
		For Elevated Installation >15' To 20', Add	47.84		
		For Elevated Installation >20' To 25', Add	59.80		
		For Elevated Installation >25' To 30', Add	83.72		
		For Elevated Installation >30' To 35', Add	95.68		
		For Elevated Installation >35' To 40', Add	119.61		
		For Elevated Installation >40', Add	131.57		
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	377.22	120.98	
		For Seal Class B, Add	45.24		
		For Seal Class A, Add	120.64		
		For 28 Gauge, Deduct	-10.47		
		For 24 Gauge, Add	10.43		
		For 22 Gauge, Add	20.83		
		For 20 Gauge, Add	31.30		
		For 18 Gauge, Add	41.59		
		For 16 Gauge, Add	51.04		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	55.95		
		For Work In Restricted Working Space, Add	90.48		
		For Elevated Installation >10' To 15', Add	30.16		
		For Elevated Installation >15' To 20', Add	60.32		
		For Elevated Installation >20' To 25', Add	75.40		
		For Elevated Installation >25' To 30', Add	105.56		
		For Elevated Installation >30' To 35', Add	120.64		
		For Elevated Installation >35' To 40', Add	150.81		
		For Elevated Installation >40', Add	165.89		
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	433.46	134.57	
		For Seal Class B, Add	50.57		
		For Seal Class A, Add	134.85		
		For 28 Gauge, Deduct	-13.34		
		For 24 Gauge, Add	13.29		
		For 22 Gauge, Add	26.54		
		For 20 Gauge, Add	39.88		
		For 18 Gauge, Add	52.98		
		For 16 Gauge, Add	65.02		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	71.28		
		For Work In Restricted Working Space, Add	101.14		
		For Elevated Installation >10' To 15', Add	33.71		
		For Elevated Installation >15' To 20', Add	67.43		
		For Elevated Installation >20' To 25', Add	84.28		
		For Elevated Installation >25' To 30', Add	118.00		
		For Elevated Installation >30' To 35', Add	134.85		
		For Elevated Installation >35' To 40', Add	168.57		
		For Elevated Installation >40', Add	185.42		
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	455.13	139.43	
		For Seal Class B, Add	52.24		
		For Seal Class A, Add	139.30		
		For 28 Gauge, Deduct	-14.80		
		For 24 Gauge, Add	14.75		
		For 22 Gauge, Add	29.45		
		For 20 Gauge, Add	44.25		
		For 18 Gauge, Add	58.79		
		For 16 Gauge, Add	72.15		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	79.10		
		For Work In Restricted Working Space, Add	104.47		
		For Elevated Installation >10' To 15', Add	34.82		
		For Elevated Installation >15' To 20', Add	69.65		
		For Elevated Installation >20' To 25', Add	87.06		
		For Elevated Installation >25' To 30', Add	121.88		
		For Elevated Installation >30' To 35', Add	139.30		
		For Elevated Installation >35' To 40', Add	174.12		
		For Elevated Installation >40', Add	191.53		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0062		Galvanized Sheet Metal Round And Flat-Oval Connectors (23 31 13 16-0001)	
23 31 13 16-0063	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	24.97
		For Seal Class B, Add	3.33
		For Seal Class A, Add	8.88
		For Work In Restricted Working Space, Add	6.66
		For Elevated Installation >10' To 15', Add	2.22
		For Elevated Installation >15' To 20', Add	4.44
		For Elevated Installation >20' To 25', Add	5.55
		For Elevated Installation >25' To 30', Add	7.77
		For Elevated Installation >30' To 35', Add	8.88
		For Elevated Installation >35' To 40', Add	11.10
		For Elevated Installation >40', Add	12.20
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	26.31
		For Seal Class B, Add	3.50
		For Seal Class A, Add	9.33
		For Work In Restricted Working Space, Add	7.00
		For Elevated Installation >10' To 15', Add	2.33
		For Elevated Installation >15' To 20', Add	4.67
		For Elevated Installation >20' To 25', Add	5.83
		For Elevated Installation >25' To 30', Add	8.17
		For Elevated Installation >30' To 35', Add	9.33
		For Elevated Installation >35' To 40', Add	11.67
		For Elevated Installation >40', Add	12.83
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	28.18
		For Seal Class B, Add	3.75
		For Seal Class A, Add	9.99
		For Work In Restricted Working Space, Add	7.49
		For Elevated Installation >10' To 15', Add	2.50
		For Elevated Installation >15' To 20', Add	4.99
		For Elevated Installation >20' To 25', Add	6.24
		For Elevated Installation >25' To 30', Add	8.74
		For Elevated Installation >30' To 35', Add	9.99
		For Elevated Installation >35' To 40', Add	12.49
		For Elevated Installation >40', Add	13.73
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	30.03
		For Seal Class B, Add	3.95
		For Seal Class A, Add	10.54
		For Work In Restricted Working Space, Add	7.91
		For Elevated Installation >10' To 15', Add	2.64
		For Elevated Installation >15' To 20', Add	5.27
		For Elevated Installation >20' To 25', Add	6.59
		For Elevated Installation >25' To 30', Add	9.23
		For Elevated Installation >30' To 35', Add	10.54
		For Elevated Installation >35' To 40', Add	13.18
		For Elevated Installation >40', Add	14.50
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	32.58
		For Seal Class B, Add	4.27
		For Seal Class A, Add	11.38
		For Work In Restricted Working Space, Add	8.53
		For Elevated Installation >10' To 15', Add	2.84
		For Elevated Installation >15' To 20', Add	5.69
		For Elevated Installation >20' To 25', Add	7.11
		For Elevated Installation >25' To 30', Add	9.95
		For Elevated Installation >30' To 35', Add	11.38
		For Elevated Installation >35' To 40', Add	14.22
		For Elevated Installation >40', Add	15.64
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	38.30
		For Seal Class B, Add	4.77
		For Seal Class A, Add	12.71
		For Work In Restricted Working Space, Add	9.53
		For Elevated Installation >10' To 15', Add	3.18
		For Elevated Installation >15' To 20', Add	6.35
		For Elevated Installation >20' To 25', Add	7.94
		For Elevated Installation >25' To 30', Add	11.12
		For Elevated Installation >30' To 35', Add	12.71
		For Elevated Installation >35' To 40', Add	15.89
		For Elevated Installation >40', Add	17.47
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	52.27
		For Seal Class B, Add	6.66
		For Seal Class A, Add	17.76
		For Work In Restricted Working Space, Add	13.32
		For Elevated Installation >10' To 15', Add	4.44
		For Elevated Installation >15' To 20', Add	8.88
		For Elevated Installation >20' To 25', Add	11.10
		For Elevated Installation >25' To 30', Add	15.54
		For Elevated Installation >30' To 35', Add	17.76
		For Elevated Installation >35' To 40', Add	22.20
		For Elevated Installation >40', Add	24.42
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	59.68
		For Seal Class B, Add	7.58
		For Seal Class A, Add	20.21
		For Work In Restricted Working Space, Add	15.16
		For Elevated Installation >10' To 15', Add	5.05
		For Elevated Installation >15' To 20', Add	10.10
		For Elevated Installation >20' To 25', Add	12.63
		For Elevated Installation >25' To 30', Add	17.68
		For Elevated Installation >30' To 35', Add	20.21
		For Elevated Installation >35' To 40', Add	25.26
		For Elevated Installation >40', Add	27.79

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0071	EA		16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	65.62	
			For Seal Class B, Add	8.31	
			For Seal Class A, Add	22.15	
			For Work In Restricted Working Space, Add	16.61	
			For Elevated Installation >10' To 15', Add	5.54	
			For Elevated Installation >15' To 20', Add	11.07	
			For Elevated Installation >20' To 25', Add	13.84	
			For Elevated Installation >25' To 30', Add	19.38	
			For Elevated Installation >30' To 35', Add	22.15	
			For Elevated Installation >35' To 40', Add	27.69	
			For Elevated Installation >40', Add	30.45	
23 31 13 16-0072	EA		18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	71.40	
			For Seal Class B, Add	8.99	
			For Seal Class A, Add	23.98	
			For Work In Restricted Working Space, Add	17.98	
			For Elevated Installation >10' To 15', Add	5.99	
			For Elevated Installation >15' To 20', Add	11.99	
			For Elevated Installation >20' To 25', Add	14.99	
			For Elevated Installation >25' To 30', Add	20.98	
			For Elevated Installation >30' To 35', Add	23.98	
			For Elevated Installation >35' To 40', Add	29.97	
			For Elevated Installation >40', Add	32.97	
23 31 13 16-0073	EA		20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	77.78	
			For Seal Class B, Add	9.80	
			For Seal Class A, Add	26.14	
			For Work In Restricted Working Space, Add	19.61	
			For Elevated Installation >10' To 15', Add	6.54	
			For Elevated Installation >15' To 20', Add	13.07	
			For Elevated Installation >20' To 25', Add	16.34	
			For Elevated Installation >25' To 30', Add	22.87	
			For Elevated Installation >30' To 35', Add	26.14	
			For Elevated Installation >35' To 40', Add	32.68	
			For Elevated Installation >40', Add	35.94	
23 31 13 16-0074			Slip Joint, Galvanized, Spiral Duct And Fittings (23 31 13 16)		
23 31 13 16-0075			Slip Joint, Galvanized, Spiral Duct (23 31 13 16-0074)		
23 31 13 16-0076	LF		4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	10.29	1.28
			For Seal Class B, Add	1.03	
			For Seal Class A, Add	2.74	
			For Up To 20', Add	1.03	
			For >20' To 50', Add	0.41	
			For >200' To 500', Deduct	-0.26	
			For >500', Deduct	-0.43	
			For 24 Gauge, Add	0.69	
			For 22 Gauge, Add	1.58	
			For 20 Gauge, Add	2.57	
			For 18 Gauge, Add	3.94	
			For 16 Gauge, Add	4.80	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.54	
			For Work In Restricted Working Space, Add	2.06	
23 31 13 16-0077	LF		6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	13.20	2.56
			For Seal Class B, Add	1.23	
			For Seal Class A, Add	3.29	
			For Up To 20', Add	1.49	
			For >20' To 50', Add	0.60	
			For >200' To 500', Deduct	-0.37	
			For >500', Deduct	-0.62	
			For 24 Gauge, Add	0.99	
			For 22 Gauge, Add	2.29	
			For 20 Gauge, Add	3.73	
			For 18 Gauge, Add	5.72	
			For 16 Gauge, Add	6.96	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.68	
			For Work In Restricted Working Space, Add	2.47	
23 31 13 16-0078	LF		8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	16.75	2.56
			For Seal Class B, Add	1.53	
			For Seal Class A, Add	4.08	
			For Up To 20', Add	1.96	
			For >20' To 50', Add	0.78	
			For >200' To 500', Deduct	-0.49	
			For >500', Deduct	-0.82	
			For 24 Gauge, Add	1.31	
			For 22 Gauge, Add	3.01	
			For 20 Gauge, Add	4.91	
			For 18 Gauge, Add	7.52	
			For 16 Gauge, Add	9.16	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.64	
			For Work In Restricted Working Space, Add	3.06	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0079	LF	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	20.33	2.56
		For Seal Class B, Add	1.84	
		For Seal Class A, Add	4.90	
		For Up To 20', Add	2.42	
		For >20' To 50', Add	0.97	
		For >200' To 500', Deduct	-0.61	
		For >500', Deduct	-1.01	
		For 24 Gauge, Add	1.61	
		For 22 Gauge, Add	3.71	
		For 20 Gauge, Add	6.05	
		For 18 Gauge, Add	9.28	
		For 16 Gauge, Add	11.30	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.97	
		For Work In Restricted Working Space, Add	3.68	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	25.29	3.84
		For Seal Class B, Add	2.30	
		For Seal Class A, Add	6.14	
		For Up To 20', Add	2.98	
		For >20' To 50', Add	1.19	
		For >200' To 500', Deduct	-0.74	
		For >500', Deduct	-1.24	
		For 24 Gauge, Add	1.99	
		For 22 Gauge, Add	4.57	
		For 20 Gauge, Add	7.45	
		For 18 Gauge, Add	11.42	
		For 16 Gauge, Add	13.90	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.35	
		For Work In Restricted Working Space, Add	4.61	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	30.71	3.84
		For Seal Class B, Add	2.88	
		For Seal Class A, Add	7.68	
		For Up To 20', Add	3.45	
		For >20' To 50', Add	1.38	
		For >200' To 500', Deduct	-0.86	
		For >500', Deduct	-1.44	
		For 24 Gauge, Add	2.30	
		For 22 Gauge, Add	5.29	
		For 20 Gauge, Add	8.63	
		For 18 Gauge, Add	13.24	
		For 16 Gauge, Add	16.11	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.52	
		For Work In Restricted Working Space, Add	5.76	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	42.27	3.84
		For Seal Class B, Add	3.83	
		For Seal Class A, Add	10.22	
		For Up To 20', Add	5.01	
		For >20' To 50', Add	2.01	
		For >200' To 500', Deduct	-1.25	
		For >500', Deduct	-2.09	
		For 24 Gauge, Add	3.34	
		For 22 Gauge, Add	7.69	
		For 20 Gauge, Add	12.53	
		For 18 Gauge, Add	19.22	
		For 16 Gauge, Add	23.39	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.37	
		For Work In Restricted Working Space, Add	7.67	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	48.33	5.12
		For Seal Class B, Add	4.47	
		For Seal Class A, Add	11.92	
		For Up To 20', Add	5.56	
		For >20' To 50', Add	2.22	
		For >200' To 500', Deduct	-1.39	
		For >500', Deduct	-2.32	
		For 24 Gauge, Add	3.71	
		For 22 Gauge, Add	8.52	
		For 20 Gauge, Add	13.90	
		For 18 Gauge, Add	21.31	
		For 16 Gauge, Add	25.94	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.71	
		For Work In Restricted Working Space, Add	8.94	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	54.51	5.12
		For Seal Class B, Add	5.08	
		For Seal Class A, Add	13.54	
		For Up To 20', Add	6.20	
		For >20' To 50', Add	2.48	
		For >200' To 500', Deduct	-1.55	
		For >500', Deduct	-2.58	
		For 24 Gauge, Add	4.13	
		For 22 Gauge, Add	9.51	
		For 20 Gauge, Add	15.50	
		For 18 Gauge, Add	23.77	
		For 16 Gauge, Add	28.94	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.30	
		For Work In Restricted Working Space, Add	10.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0085	LF		22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	60.96	6.40
			For Seal Class B, Add	5.72	
			For Seal Class A, Add	15.24	
			For Up To 20', Add	6.86	
			For >20' To 50', Add	2.74	
			For >200' To 500', Deduct	-1.71	
			For >500', Deduct	-2.86	
			For 24 Gauge, Add	4.57	
			For 22 Gauge, Add	10.51	
			For 20 Gauge, Add	17.14	
			For 18 Gauge, Add	26.28	
			For 16 Gauge, Add	31.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.91	
			For Work In Restricted Working Space, Add	11.43	
23 31 13 16-0086	LF		24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	67.48	7.68
			For Seal Class B, Add	6.40	
			For Seal Class A, Add	17.06	
			For Up To 20', Add	7.45	
			For >20' To 50', Add	2.98	
			For >200' To 500', Deduct	-1.86	
			For >500', Deduct	-3.10	
			For 24 Gauge, Add	4.97	
			For 22 Gauge, Add	11.42	
			For 20 Gauge, Add	18.62	
			For 18 Gauge, Add	28.55	
			For 16 Gauge, Add	34.76	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.37	
			For Work In Restricted Working Space, Add	12.80	
23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows (23 31 13 16-0074)					
23 31 13 16-0088	EA		4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	84.21	17.91
			For Seal Class B, Add	10.38	
			For Seal Class A, Add	27.67	
			For 24 Gauge, Add	3.01	
			For 22 Gauge, Add	6.92	
			For 20 Gauge, Add	11.28	
			For 18 Gauge, Add	17.30	
			For 16 Gauge, Add	21.06	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.13	
			For Work In Restricted Working Space, Add	20.75	
23 31 13 16-0089	EA		6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	123.73	25.59
			For Seal Class B, Add	15.36	
			For Seal Class A, Add	40.95	
			For 24 Gauge, Add	4.27	
			For 22 Gauge, Add	9.82	
			For 20 Gauge, Add	16.01	
			For 18 Gauge, Add	24.55	
			For 16 Gauge, Add	29.89	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.80	
			For Work In Restricted Working Space, Add	30.71	
23 31 13 16-0090	EA		8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	175.44	33.27
			For Seal Class B, Add	20.21	
			For Seal Class A, Add	53.88	
			For 24 Gauge, Add	8.15	
			For 22 Gauge, Add	18.74	
			For 20 Gauge, Add	30.55	
			For 18 Gauge, Add	46.84	
			For 16 Gauge, Add	57.02	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.14	
			For Work In Restricted Working Space, Add	40.41	
23 31 13 16-0091	EA		10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	218.58	42.24
			For Seal Class B, Add	25.59	
			For Seal Class A, Add	68.25	
			For 24 Gauge, Add	9.59	
			For 22 Gauge, Add	22.06	
			For 20 Gauge, Add	35.96	
			For 18 Gauge, Add	55.14	
			For 16 Gauge, Add	67.13	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.48	
			For Work In Restricted Working Space, Add	51.19	
23 31 13 16-0092	EA		12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	269.60	53.75
			For Seal Class B, Add	31.99	
			For Seal Class A, Add	85.32	
			For 24 Gauge, Add	11.26	
			For 22 Gauge, Add	25.90	
			For 20 Gauge, Add	42.23	
			For 18 Gauge, Add	64.76	
			For 16 Gauge, Add	78.83	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.67	
			For Work In Restricted Working Space, Add	63.99	
23 31 13 16-0093	EA		14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	295.36	58.87
			For Seal Class B, Add	34.90	
			For Seal Class A, Add	93.07	
			For 24 Gauge, Add	12.54	
			For 22 Gauge, Add	28.83	
			For 20 Gauge, Add	47.01	
			For 18 Gauge, Add	72.08	
			For 16 Gauge, Add	87.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	46.38	
			For Work In Restricted Working Space, Add	69.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0094	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	348.58	69.10
		For Seal Class B, Add	41.28	
		For Seal Class A, Add	110.09	
		For 24 Gauge, Add	14.67	
		For 22 Gauge, Add	33.75	
		For 20 Gauge, Add	55.02	
		For 18 Gauge, Add	84.36	
		For 16 Gauge, Add	102.70	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.29	
		For Work In Restricted Working Space, Add	82.57	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	425.67	85.74
		For Seal Class B, Add	51.19	
		For Seal Class A, Add	136.50	
		For 24 Gauge, Add	16.88	
		For 22 Gauge, Add	38.83	
		For 20 Gauge, Add	63.31	
		For 18 Gauge, Add	97.07	
		For 16 Gauge, Add	118.17	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	62.46	
		For Work In Restricted Working Space, Add	102.38	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	512.46	103.66
		For Seal Class B, Add	61.92	
		For Seal Class A, Add	165.13	
		For 24 Gauge, Add	19.93	
		For 22 Gauge, Add	45.83	
		For 20 Gauge, Add	74.73	
		For 18 Gauge, Add	114.59	
		For 16 Gauge, Add	139.50	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	73.73	
		For Work In Restricted Working Space, Add	123.85	
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	596.01	120.30
		For Seal Class B, Add	72.44	
		For Seal Class A, Add	193.17	
		For 24 Gauge, Add	22.62	
		For 22 Gauge, Add	52.02	
		For 20 Gauge, Add	84.82	
		For 18 Gauge, Add	130.05	
		For 16 Gauge, Add	158.33	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	83.69	
		For Work In Restricted Working Space, Add	144.88	
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	684.13	136.93
		For Seal Class B, Add	81.69	
		For Seal Class A, Add	217.83	
		For 24 Gauge, Add	27.91	
		For 22 Gauge, Add	64.20	
		For 20 Gauge, Add	104.67	
		For 18 Gauge, Add	160.49	
		For 16 Gauge, Add	195.38	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	103.27	
		For Work In Restricted Working Space, Add	163.37	
23 31 13 16-0099		Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows (23 31 13 16-0074)		
23 31 13 16-0100	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	84.92	17.91
		For Seal Class B, Add	10.38	
		For Seal Class A, Add	27.67	
		For 24 Gauge, Add	3.15	
		For 22 Gauge, Add	7.25	
		For 20 Gauge, Add	11.81	
		For 18 Gauge, Add	18.11	
		For 16 Gauge, Add	22.05	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.66	
		For Work In Restricted Working Space, Add	20.75	
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	120.07	25.59
		For Seal Class B, Add	15.36	
		For Seal Class A, Add	40.95	
		For 24 Gauge, Add	3.54	
		For 22 Gauge, Add	8.14	
		For 20 Gauge, Add	13.27	
		For 18 Gauge, Add	20.34	
		For 16 Gauge, Add	24.77	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.09	
		For Work In Restricted Working Space, Add	30.71	
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	158.44	33.27
		For Seal Class B, Add	20.21	
		For Seal Class A, Add	53.88	
		For 24 Gauge, Add	4.75	
		For 22 Gauge, Add	10.92	
		For 20 Gauge, Add	17.80	
		For 18 Gauge, Add	27.29	
		For 16 Gauge, Add	33.22	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.56	
		For Work In Restricted Working Space, Add	40.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0103	EA		10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	200.29	42.24
			For Seal Class B, Add	25.59	
			For Seal Class A, Add	68.25	
			For 24 Gauge, Add	5.93	
			For 22 Gauge, Add	13.64	
			For 20 Gauge, Add	22.25	
			For 18 Gauge, Add	34.11	
			For 16 Gauge, Add	41.52	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.95	
			For Work In Restricted Working Space, Add	51.19	
23 31 13 16-0104	EA		12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	247.76	53.75
			For Seal Class B, Add	31.99	
			For Seal Class A, Add	85.32	
			For 24 Gauge, Add	6.89	
			For 22 Gauge, Add	15.86	
			For 20 Gauge, Add	25.85	
			For 18 Gauge, Add	39.64	
			For 16 Gauge, Add	48.26	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.51	
			For Work In Restricted Working Space, Add	63.99	
23 31 13 16-0105	EA		14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	270.99	58.87
			For Seal Class B, Add	34.90	
			For Seal Class A, Add	93.07	
			For 24 Gauge, Add	7.66	
			For 22 Gauge, Add	17.62	
			For 20 Gauge, Add	28.73	
			For 18 Gauge, Add	44.06	
			For 16 Gauge, Add	53.63	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.35	
			For Work In Restricted Working Space, Add	69.80	
23 31 13 16-0106	EA		16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	338.03	69.10
			For Seal Class B, Add	41.28	
			For Seal Class A, Add	110.09	
			For 24 Gauge, Add	12.56	
			For 22 Gauge, Add	28.89	
			For 20 Gauge, Add	47.11	
			For 18 Gauge, Add	72.23	
			For 16 Gauge, Add	87.93	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	46.48	
			For Work In Restricted Working Space, Add	82.57	
23 31 13 16-0107	EA		18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	418.20	85.74
			For Seal Class B, Add	51.19	
			For Seal Class A, Add	136.50	
			For 24 Gauge, Add	15.39	
			For 22 Gauge, Add	35.39	
			For 20 Gauge, Add	57.71	
			For 18 Gauge, Add	88.48	
			For 16 Gauge, Add	107.72	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	56.94	
			For Work In Restricted Working Space, Add	102.38	
23 31 13 16-0108	EA		20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	510.17	103.66
			For Seal Class B, Add	61.92	
			For Seal Class A, Add	165.13	
			For 24 Gauge, Add	19.47	
			For 22 Gauge, Add	44.78	
			For 20 Gauge, Add	73.01	
			For 18 Gauge, Add	111.95	
			For 16 Gauge, Add	136.29	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	72.04	
			For Work In Restricted Working Space, Add	123.85	
23 31 13 16-0109	EA		22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	570.07	120.30
			For Seal Class B, Add	72.44	
			For Seal Class A, Add	193.17	
			For 24 Gauge, Add	17.43	
			For 22 Gauge, Add	40.09	
			For 20 Gauge, Add	65.36	
			For 18 Gauge, Add	100.22	
			For 16 Gauge, Add	122.01	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	64.49	
			For Work In Restricted Working Space, Add	144.88	
23 31 13 16-0110	EA		24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	674.90	136.93
			For Seal Class B, Add	81.69	
			For Seal Class A, Add	217.83	
			For 24 Gauge, Add	26.07	
			For 22 Gauge, Add	59.95	
			For 20 Gauge, Add	97.75	
			For 18 Gauge, Add	149.88	
			For 16 Gauge, Add	182.46	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	96.44	
			For Work In Restricted Working Space, Add	163.37	

23 31 13 16-0111 Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals (23 31 13 16-0074)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	168.56	33.27
		For Seal Class B, Add	20.21	
		For Seal Class A, Add	53.88	
		For 24 Gauge, Add	6.77	
		For 22 Gauge, Add	15.57	
		For 20 Gauge, Add	25.39	
		For 18 Gauge, Add	38.93	
		For 16 Gauge, Add	47.39	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.05	
		For Work In Restricted Working Space, Add	40.41	
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	248.78	53.75
		For Seal Class B, Add	31.99	
		For Seal Class A, Add	85.32	
		For 24 Gauge, Add	7.10	
		For 22 Gauge, Add	16.33	
		For 20 Gauge, Add	26.62	
		For 18 Gauge, Add	40.81	
		For 16 Gauge, Add	49.69	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.26	
		For Work In Restricted Working Space, Add	63.99	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	314.18	69.10
		For Seal Class B, Add	41.28	
		For Seal Class A, Add	110.09	
		For 24 Gauge, Add	7.79	
		For 22 Gauge, Add	17.92	
		For 20 Gauge, Add	29.22	
		For 18 Gauge, Add	44.80	
		For 16 Gauge, Add	54.54	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.83	
		For Work In Restricted Working Space, Add	82.57	
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	381.96	85.74
		For Seal Class B, Add	51.19	
		For Seal Class A, Add	136.50	
		For 24 Gauge, Add	8.14	
		For 22 Gauge, Add	18.72	
		For 20 Gauge, Add	30.53	
		For 18 Gauge, Add	46.81	
		For 16 Gauge, Add	56.98	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.12	
		For Work In Restricted Working Space, Add	102.38	
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	454.85	103.66
		For Seal Class B, Add	61.92	
		For Seal Class A, Add	165.13	
		For 24 Gauge, Add	8.41	
		For 22 Gauge, Add	19.33	
		For 20 Gauge, Add	31.52	
		For 18 Gauge, Add	48.33	
		For 16 Gauge, Add	58.84	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.10	
		For Work In Restricted Working Space, Add	123.85	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	528.64	120.30
		For Seal Class B, Add	72.44	
		For Seal Class A, Add	193.17	
		For 24 Gauge, Add	9.14	
		For 22 Gauge, Add	21.03	
		For 20 Gauge, Add	34.29	
		For 18 Gauge, Add	52.58	
		For 16 Gauge, Add	64.01	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.83	
		For Work In Restricted Working Space, Add	144.88	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	592.13	136.93
		For Seal Class B, Add	81.69	
		For Seal Class A, Add	217.83	
		For 24 Gauge, Add	9.51	
		For 22 Gauge, Add	21.88	
		For 20 Gauge, Add	35.67	
		For 18 Gauge, Add	54.69	
		For 16 Gauge, Add	66.58	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.19	
		For Work In Restricted Working Space, Add	163.37	
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	673.56	156.13
		For Seal Class B, Add	93.64	
		For Seal Class A, Add	249.71	
		For 24 Gauge, Add	9.86	
		For 22 Gauge, Add	22.67	
		For 20 Gauge, Add	36.97	
		For 18 Gauge, Add	56.68	
		For 16 Gauge, Add	69.01	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	36.47	
		For Work In Restricted Working Space, Add	187.28	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	751.07	172.77
		For Seal Class B, Add	103.76	
		For Seal Class A, Add	276.70	
		For 24 Gauge, Add	11.86	
		For 22 Gauge, Add	27.29	
		For 20 Gauge, Add	44.49	
		For 18 Gauge, Add	68.22	
		For 16 Gauge, Add	83.05	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	43.90	
		For Work In Restricted Working Space, Add	207.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	814.05	188.12	
		For Seal Class B, Add	112.92		
		For Seal Class A, Add	301.12		
		For 24 Gauge, Add	12.25		
		For 22 Gauge, Add	28.18		
		For 20 Gauge, Add	45.95		
		For 18 Gauge, Add	70.45		
		For 16 Gauge, Add	85.76		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	45.33		
		For Work In Restricted Working Space, Add	225.84		
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	261.83	57.97	
		For Seal Class B, Add	34.80		
		For Seal Class A, Add	92.80		
		For 24 Gauge, Add	5.96		
		For 22 Gauge, Add	13.72		
		For 20 Gauge, Add	22.37		
		For 18 Gauge, Add	34.29		
		For 16 Gauge, Add	41.75		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.07		
		For Work In Restricted Working Space, Add	69.60		
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	316.58	69.75	
		For Seal Class B, Add	41.84		
		For Seal Class A, Add	111.57		
		For 24 Gauge, Add	7.53		
		For 22 Gauge, Add	17.32		
		For 20 Gauge, Add	28.24		
		For 18 Gauge, Add	43.30		
		For 16 Gauge, Add	52.71		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.86		
		For Work In Restricted Working Space, Add	83.68		
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	384.62	84.72	
		For Seal Class B, Add	50.84		
		For Seal Class A, Add	135.57		
		For 24 Gauge, Add	9.14		
		For 22 Gauge, Add	21.02		
		For 20 Gauge, Add	34.28		
		For 18 Gauge, Add	52.56		
		For 16 Gauge, Add	63.98		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.82		
		For Work In Restricted Working Space, Add	101.68		
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	457.86	100.71	
		For Seal Class B, Add	60.52		
		For Seal Class A, Add	161.38		
		For 24 Gauge, Add	10.88		
		For 22 Gauge, Add	25.03		
		For 20 Gauge, Add	40.81		
		For 18 Gauge, Add	62.57		
		For 16 Gauge, Add	76.17		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.26		
		For Work In Restricted Working Space, Add	121.04		
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	580.78	129.51	
		For Seal Class B, Add	77.66		
		For Seal Class A, Add	207.08		
		For 24 Gauge, Add	12.62		
		For 22 Gauge, Add	29.02		
		For 20 Gauge, Add	47.31		
		For 18 Gauge, Add	72.54		
		For 16 Gauge, Add	88.31		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	46.68		
		For Work In Restricted Working Space, Add	155.31		
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	645.08	143.71	
		For Seal Class B, Add	86.16		
		For Seal Class A, Add	229.76		
		For 24 Gauge, Add	14.14		
		For 22 Gauge, Add	32.51		
		For 20 Gauge, Add	53.01		
		For 18 Gauge, Add	81.28		
		For 16 Gauge, Add	98.95		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	52.30		
		For Work In Restricted Working Space, Add	172.32		
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	733.39	163.55	
		For Seal Class B, Add	97.94		
		For Seal Class A, Add	261.17		
		For 24 Gauge, Add	16.09		
		For 22 Gauge, Add	37.01		
		For 20 Gauge, Add	60.35		
		For 18 Gauge, Add	92.53		
		For 16 Gauge, Add	112.64		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	59.54		
		For Work In Restricted Working Space, Add	195.88		
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	786.70	174.43	
		For Seal Class B, Add	104.55		
		For Seal Class A, Add	278.81		
		For 24 Gauge, Add	17.93		
		For 22 Gauge, Add	41.25		
		For 20 Gauge, Add	67.25		
		For 18 Gauge, Add	103.12		
		For 16 Gauge, Add	125.54		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	66.36		
		For Work In Restricted Working Space, Add	209.11		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 13 16-0130	EA 24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	853.52	189.15
	For Seal Class B, Add	113.45	
	For Seal Class A, Add	302.54	
	For 24 Gauge, Add	19.43	
	For 22 Gauge, Add	44.70	
	For 20 Gauge, Add	72.88	
	For 18 Gauge, Add	111.75	
	For 16 Gauge, Add	136.04	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	71.91	
	For Work In Restricted Working Space, Add	226.91	
23 31 13 16-0131	EA 10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	346.40	76.78
	For Seal Class B, Add	46.01	
	For Seal Class A, Add	122.70	
	For 24 Gauge, Add	7.93	
	For 22 Gauge, Add	18.24	
	For 20 Gauge, Add	29.74	
	For 18 Gauge, Add	45.60	
	For 16 Gauge, Add	55.51	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.34	
	For Work In Restricted Working Space, Add	92.03	
23 31 13 16-0132	EA 12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	420.96	93.42
	For Seal Class B, Add	55.93	
	For Seal Class A, Add	149.15	
	For 24 Gauge, Add	9.62	
	For 22 Gauge, Add	22.12	
	For 20 Gauge, Add	36.06	
	For 18 Gauge, Add	55.29	
	For 16 Gauge, Add	67.31	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.58	
	For Work In Restricted Working Space, Add	111.86	
23 31 13 16-0133	EA 14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	501.04	110.70
	For Seal Class B, Add	66.56	
	For Seal Class A, Add	177.50	
	For 24 Gauge, Add	11.46	
	For 22 Gauge, Add	26.36	
	For 20 Gauge, Add	42.98	
	For 18 Gauge, Add	65.90	
	For 16 Gauge, Add	80.22	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.40	
	For Work In Restricted Working Space, Add	133.12	
23 31 13 16-0134	EA 16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	581.61	129.00
	For Seal Class B, Add	77.28	
	For Seal Class A, Add	206.08	
	For 24 Gauge, Add	13.28	
	For 22 Gauge, Add	30.55	
	For 20 Gauge, Add	49.81	
	For 18 Gauge, Add	76.37	
	For 16 Gauge, Add	92.97	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	49.14	
	For Work In Restricted Working Space, Add	154.56	
23 31 13 16-0135	EA 18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	650.86	144.23
	For Seal Class B, Add	86.47	
	For Seal Class A, Add	230.58	
	For 24 Gauge, Add	14.88	
	For 22 Gauge, Add	34.22	
	For 20 Gauge, Add	55.80	
	For 18 Gauge, Add	85.56	
	For 16 Gauge, Add	104.16	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	55.06	
	For Work In Restricted Working Space, Add	172.94	
23 31 13 16-0136	EA 20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	740.29	164.06
	For Seal Class B, Add	98.34	
	For Seal Class A, Add	262.24	
	For 24 Gauge, Add	16.94	
	For 22 Gauge, Add	38.95	
	For 20 Gauge, Add	63.51	
	For 18 Gauge, Add	97.38	
	For 16 Gauge, Add	118.55	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	62.66	
	For Work In Restricted Working Space, Add	196.68	
23 31 13 16-0137	EA 22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	826.51	183.00
	For Seal Class B, Add	109.82	
	For Seal Class A, Add	292.85	
	For 24 Gauge, Add	18.88	
	For 22 Gauge, Add	43.42	
	For 20 Gauge, Add	70.79	
	For 18 Gauge, Add	108.55	
	For 16 Gauge, Add	132.15	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	69.85	
	For Work In Restricted Working Space, Add	219.64	
23 31 13 16-0138	EA 24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	896.17	198.62
	For Seal Class B, Add	119.08	
	For Seal Class A, Add	317.56	
	For 24 Gauge, Add	20.46	
	For 22 Gauge, Add	47.05	
	For 20 Gauge, Add	76.71	
	For 18 Gauge, Add	117.62	
	For 16 Gauge, Add	143.19	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	75.69	
	For Work In Restricted Working Space, Add	238.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0139			Slip Joint, Galvanized, Spiral Duct Reducers (23 31 13 16-0074)		
23 31 13 16-0140	EA		6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	114.55	25.59
			For Seal Class B, Add	15.36	
			For Seal Class A, Add	40.95	
			For 24 Gauge, Add	2.43	
			For 22 Gauge, Add	5.60	
			For 20 Gauge, Add	9.13	
			For 18 Gauge, Add	14.00	
			For 16 Gauge, Add	17.04	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.01	
			For Work In Restricted Working Space, Add	30.71	
23 31 13 16-0141	EA		8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	148.11	33.27
			For Seal Class B, Add	20.21	
			For Seal Class A, Add	53.88	
			For 24 Gauge, Add	2.68	
			For 22 Gauge, Add	6.16	
			For 20 Gauge, Add	10.05	
			For 18 Gauge, Add	15.41	
			For 16 Gauge, Add	18.76	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.92	
			For Work In Restricted Working Space, Add	40.41	
23 31 13 16-0142	EA		10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	185.46	42.24
			For Seal Class B, Add	25.59	
			For Seal Class A, Add	68.25	
			For 24 Gauge, Add	2.97	
			For 22 Gauge, Add	6.82	
			For 20 Gauge, Add	11.12	
			For 18 Gauge, Add	17.05	
			For 16 Gauge, Add	20.76	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.97	
			For Work In Restricted Working Space, Add	51.19	
23 31 13 16-0143	EA		12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	229.55	53.75
			For Seal Class B, Add	31.99	
			For Seal Class A, Add	85.32	
			For 24 Gauge, Add	3.25	
			For 22 Gauge, Add	7.48	
			For 20 Gauge, Add	12.20	
			For 18 Gauge, Add	18.70	
			For 16 Gauge, Add	22.76	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.03	
			For Work In Restricted Working Space, Add	63.99	
23 31 13 16-0144	EA		14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	250.78	58.87
			For Seal Class B, Add	34.90	
			For Seal Class A, Add	93.07	
			For 24 Gauge, Add	3.62	
			For 22 Gauge, Add	8.33	
			For 20 Gauge, Add	13.58	
			For 18 Gauge, Add	20.82	
			For 16 Gauge, Add	25.34	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.39	
			For Work In Restricted Working Space, Add	69.80	
23 31 13 16-0145	EA		16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	306.51	69.10
			For Seal Class B, Add	41.28	
			For Seal Class A, Add	110.09	
			For 24 Gauge, Add	6.26	
			For 22 Gauge, Add	14.39	
			For 20 Gauge, Add	23.47	
			For 18 Gauge, Add	35.98	
			For 16 Gauge, Add	43.81	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.15	
			For Work In Restricted Working Space, Add	82.57	
23 31 13 16-0146	EA		18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	374.70	85.74
			For Seal Class B, Add	51.19	
			For Seal Class A, Add	136.50	
			For 24 Gauge, Add	6.69	
			For 22 Gauge, Add	15.38	
			For 20 Gauge, Add	25.08	
			For 18 Gauge, Add	38.46	
			For 16 Gauge, Add	46.82	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.75	
			For Work In Restricted Working Space, Add	102.38	
23 31 13 16-0147	EA		20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	448.51	103.66
			For Seal Class B, Add	61.92	
			For Seal Class A, Add	165.13	
			For 24 Gauge, Add	7.14	
			For 22 Gauge, Add	16.42	
			For 20 Gauge, Add	26.77	
			For 18 Gauge, Add	41.04	
			For 16 Gauge, Add	49.97	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.41	
			For Work In Restricted Working Space, Add	123.85	
23 31 13 16-0148	EA		22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	520.86	120.30
			For Seal Class B, Add	72.44	
			For Seal Class A, Add	193.17	
			For 24 Gauge, Add	7.59	
			For 22 Gauge, Add	17.45	
			For 20 Gauge, Add	28.46	
			For 18 Gauge, Add	43.63	
			For 16 Gauge, Add	53.12	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.08	
			For Work In Restricted Working Space, Add	144.88	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 31 13 16-0149	EA	24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	584.56	136.93
		For Seal Class B, Add	81.69	
		For Seal Class A, Add	217.83	
		For 24 Gauge, Add	8.00	
		For 22 Gauge, Add	18.40	
		For 20 Gauge, Add	29.99	
		For 18 Gauge, Add	45.99	
		For 16 Gauge, Add	55.99	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.59	
		For Work In Restricted Working Space, Add	163.37	

23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings (23 31 13 16-0074)

23 31 13 16-0151	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	74.93	17.91
		For Seal Class B, Add	10.38	
		For Seal Class A, Add	27.67	
		For 24 Gauge, Add	1.15	
		For 22 Gauge, Add	2.65	
		For 20 Gauge, Add	4.32	
		For 18 Gauge, Add	6.62	
		For 16 Gauge, Add	8.06	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.26	
		For Work In Restricted Working Space, Add	20.75	
23 31 13 16-0152	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	108.93	25.59
		For Seal Class B, Add	15.36	
		For Seal Class A, Add	40.95	
		For 24 Gauge, Add	1.31	
		For 22 Gauge, Add	3.01	
		For 20 Gauge, Add	4.91	
		For 18 Gauge, Add	7.53	
		For 16 Gauge, Add	9.17	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.85	
		For Work In Restricted Working Space, Add	30.71	
23 31 13 16-0153	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	141.77	33.27
		For Seal Class B, Add	20.21	
		For Seal Class A, Add	53.88	
		For 24 Gauge, Add	1.41	
		For 22 Gauge, Add	3.25	
		For 20 Gauge, Add	5.30	
		For 18 Gauge, Add	8.12	
		For 16 Gauge, Add	9.88	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.22	
		For Work In Restricted Working Space, Add	40.41	
23 31 13 16-0154	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	178.20	42.24
		For Seal Class B, Add	25.59	
		For Seal Class A, Add	68.25	
		For 24 Gauge, Add	1.51	
		For 22 Gauge, Add	3.48	
		For 20 Gauge, Add	5.68	
		For 18 Gauge, Add	8.71	
		For 16 Gauge, Add	10.60	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.60	
		For Work In Restricted Working Space, Add	51.19	
23 31 13 16-0155	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	221.37	53.75
		For Seal Class B, Add	31.99	
		For Seal Class A, Add	85.32	
		For 24 Gauge, Add	1.62	
		For 22 Gauge, Add	3.72	
		For 20 Gauge, Add	6.06	
		For 18 Gauge, Add	9.29	
		For 16 Gauge, Add	11.31	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.98	
		For Work In Restricted Working Space, Add	63.99	
23 31 13 16-0156	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	241.27	58.87
		For Seal Class B, Add	34.90	
		For Seal Class A, Add	93.07	
		For 24 Gauge, Add	1.72	
		For 22 Gauge, Add	3.95	
		For 20 Gauge, Add	6.44	
		For 18 Gauge, Add	9.88	
		For 16 Gauge, Add	12.03	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.36	
		For Work In Restricted Working Space, Add	69.80	
23 31 13 16-0157	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	284.73	69.10
		For Seal Class B, Add	41.28	
		For Seal Class A, Add	110.09	
		For 24 Gauge, Add	1.90	
		For 22 Gauge, Add	4.37	
		For 20 Gauge, Add	7.13	
		For 18 Gauge, Add	10.94	
		For 16 Gauge, Add	13.31	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.04	
		For Work In Restricted Working Space, Add	82.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0158	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	351.28	85.74	
		For Seal Class B, Add	51.19		
		For Seal Class A, Add	136.50		
		For 24 Gauge, Add	2.00		
		For 22 Gauge, Add	4.61		
		For 20 Gauge, Add	7.52		
		For 18 Gauge, Add	11.52		
		For 16 Gauge, Add	14.03		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.41		
		For Work In Restricted Working Space, Add	102.38		
23 31 13 16-0159	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	423.46	103.66	
		For Seal Class B, Add	61.92		
		For Seal Class A, Add	165.13		
		For 24 Gauge, Add	2.13		
		For 22 Gauge, Add	4.89		
		For 20 Gauge, Add	7.98		
		For 18 Gauge, Add	12.24		
		For 16 Gauge, Add	14.90		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.87		
		For Work In Restricted Working Space, Add	123.85		
23 31 13 16-0160	EA	22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	493.97	241.87	
		For Seal Class B, Add	72.44		
		For Seal Class A, Add	193.17		
		For 24 Gauge, Add	2.21		
		For 22 Gauge, Add	5.08		
		For 20 Gauge, Add	8.29		
		For 18 Gauge, Add	12.71		
		For 16 Gauge, Add	15.47		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.18		
		For Work In Restricted Working Space, Add	144.88		
23 31 13 16-0161	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	556.23	272.58	
		For Seal Class B, Add	81.69		
		For Seal Class A, Add	217.83		
		For 24 Gauge, Add	2.33		
		For 22 Gauge, Add	5.36		
		For 20 Gauge, Add	8.75		
		For 18 Gauge, Add	13.41		
		For 16 Gauge, Add	16.32		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.63		
		For Work In Restricted Working Space, Add	163.37		
23 31 13 16-0162		Slip Joint, Galvanized, Spiral Duct Caps (23 31 13 16-0074)			
23 31 13 16-0163	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	41.34	17.91	
		For Seal Class B, Add	5.19		
		For Seal Class A, Add	13.84		
		For 24 Gauge, Add	1.35		
		For 22 Gauge, Add	3.11		
		For 20 Gauge, Add	5.06		
		For 18 Gauge, Add	7.76		
		For 16 Gauge, Add	9.45		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.00		
		For Work In Restricted Working Space, Add	10.38		
23 31 13 16-0164	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	58.76	25.59	
		For Seal Class B, Add	7.68		
		For Seal Class A, Add	20.48		
		For 24 Gauge, Add	1.51		
		For 22 Gauge, Add	3.48		
		For 20 Gauge, Add	5.68		
		For 18 Gauge, Add	8.71		
		For 16 Gauge, Add	10.60		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.60		
		For Work In Restricted Working Space, Add	15.36		
23 31 13 16-0165	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	75.63	34.56	
		For Seal Class B, Add	10.10		
		For Seal Class A, Add	26.94		
		For 24 Gauge, Add	1.66		
		For 22 Gauge, Add	3.81		
		For 20 Gauge, Add	6.21		
		For 18 Gauge, Add	9.52		
		For 16 Gauge, Add	11.59		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.13		
		For Work In Restricted Working Space, Add	20.21		
23 31 13 16-0166	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	94.52	43.51	
		For Seal Class B, Add	12.80		
		For Seal Class A, Add	34.13		
		For 24 Gauge, Add	1.84		
		For 22 Gauge, Add	4.23		
		For 20 Gauge, Add	6.90		
		For 18 Gauge, Add	10.58		
		For 16 Gauge, Add	12.88		
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.81		
		For Work In Restricted Working Space, Add	25.60		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 31 13 16-0167	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	116.88	53.75
		For Seal Class B, Add	16.00	
		For Seal Class A, Add	42.66	
		For 24 Gauge, Add	2.05	
		For 22 Gauge, Add	4.71	
		For 20 Gauge, Add	7.67	
		For 18 Gauge, Add	11.76	
		For 16 Gauge, Add	14.32	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.57	
		For Work In Restricted Working Space, Add	32.00	
23 31 13 16-0168	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	127.59	58.87
		For Seal Class B, Add	17.45	
		For Seal Class A, Add	46.54	
		For 24 Gauge, Add	2.25	
		For 22 Gauge, Add	5.18	
		For 20 Gauge, Add	8.44	
		For 18 Gauge, Add	12.94	
		For 16 Gauge, Add	15.75	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.33	
		For Work In Restricted Working Space, Add	34.90	
23 31 13 16-0169	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	147.70	67.83
		For Seal Class B, Add	20.21	
		For Seal Class A, Add	53.88	
		For 24 Gauge, Add	2.60	
		For 22 Gauge, Add	5.98	
		For 20 Gauge, Add	9.74	
		For 18 Gauge, Add	14.94	
		For 16 Gauge, Add	18.19	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.61	
		For Work In Restricted Working Space, Add	40.41	
23 31 13 16-0170	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	214.40	85.74
		For Seal Class B, Add	25.59	
		For Seal Class A, Add	68.25	
		For 24 Gauge, Add	8.75	
		For 22 Gauge, Add	20.13	
		For 20 Gauge, Add	32.83	
		For 18 Gauge, Add	50.34	
		For 16 Gauge, Add	61.28	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.39	
		For Work In Restricted Working Space, Add	51.19	
23 31 13 16-0171	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	260.74	106.22
		For Seal Class B, Add	31.99	
		For Seal Class A, Add	85.32	
		For 24 Gauge, Add	9.49	
		For 22 Gauge, Add	21.83	
		For 20 Gauge, Add	35.59	
		For 18 Gauge, Add	54.57	
		For 16 Gauge, Add	66.43	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.11	
		For Work In Restricted Working Space, Add	63.99	
23 31 13 16-0172	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	283.82	116.46
		For Seal Class B, Add	34.90	
		For Seal Class A, Add	93.07	
		For 24 Gauge, Add	10.23	
		For 22 Gauge, Add	23.52	
		For 20 Gauge, Add	38.36	
		For 18 Gauge, Add	58.81	
		For 16 Gauge, Add	71.60	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.84	
		For Work In Restricted Working Space, Add	69.80	
23 31 13 16-0173	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	327.21	135.65
		For Seal Class B, Add	40.84	
		For Seal Class A, Add	108.92	
		For 24 Gauge, Add	10.98	
		For 22 Gauge, Add	25.26	
		For 20 Gauge, Add	41.19	
		For 18 Gauge, Add	63.16	
		For 16 Gauge, Add	76.89	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.64	
		For Work In Restricted Working Space, Add	81.69	

23 31 13 19 Metal Duct Fittings (23 31 13)**23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)**

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	47.00	37.73
		For Work In Restricted Working Space, Add	13.79	
		For Elevated Installation >10' To 15', Add	4.60	
		For Elevated Installation >15' To 20', Add	9.20	
		For Elevated Installation >20' To 25', Add	11.50	
		For Elevated Installation >25' To 30', Add	16.09	
		For Elevated Installation >30' To 35', Add	18.39	
		For Elevated Installation >35' To 40', Add	22.99	
		For Elevated Installation >40', Add	25.29	

23 31 13 19-0003 Duct Register Boots (23 31 13 19)

23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	44.48	17.34
		For Stainless Steel, Add	12.73	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	44.48	17.34
		For Stainless Steel, Add	12.73	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel..... <i>For Stainless Steel, Add</i>	47.47 13.01	18.73
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel..... <i>For Stainless Steel, Add</i>	47.47 13.01	18.73
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel..... <i>For Stainless Steel, Add</i>	49.88 16.15	18.73
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel..... <i>For Stainless Steel, Add</i>	51.43 14.56	20.12
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel..... <i>For Stainless Steel, Add</i>	51.43 14.56	20.12
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel..... <i>For Stainless Steel, Add</i>	52.93 16.51	20.12
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel..... <i>For Stainless Steel, Add</i>	51.82 11.45	21.51
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel..... <i>For Stainless Steel, Add</i>	54.85 11.79	22.90
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel..... <i>For Stainless Steel, Add</i>	61.01 19.80	22.90
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel..... <i>For Stainless Steel, Add</i>	58.17 12.49	24.27
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel..... <i>For Stainless Steel, Add</i>	64.20 20.33	24.27
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel..... <i>For Stainless Steel, Add</i>	46.01 11.12	18.73
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel..... <i>For Stainless Steel, Add</i>	46.01 11.12	18.73
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel..... <i>For Stainless Steel, Add</i>	49.76 12.39	20.12
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel..... <i>For Stainless Steel, Add</i>	51.19 14.25	20.12
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel..... <i>For Stainless Steel, Add</i>	52.02 11.71	21.51
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel..... <i>For Stainless Steel, Add</i>	55.02 12.01	22.90
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel..... <i>For Stainless Steel, Add</i>	46.99 12.39	18.73
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel..... <i>For Stainless Steel, Add</i>	50.34 13.14	20.12
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	44.48 12.73	17.34
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	47.47 13.01	18.73
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	51.43 14.56	20.12
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	51.43 14.56	20.12
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	51.82 11.45	21.51
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	54.85 11.79	22.90
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	61.01 19.80	22.90
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel..... <i>For Stainless Steel, Add</i>	63.79 19.80	24.27
23 31 13 23 Galvanized Steel Welded Duct (23 31 13)				
Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.				
23 31 13 23-0001		Welded Steel Ductwork (23 31 13 23)		
Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.				
23 31 13 23-0002		Galvanized Steel Welded Duct, For Kitchen (23 31 13 23-0001)		
Note: Also includes special exhaust systems and waste.				
23 31 13 23-0003	LB	Galvanized Steel Welded Duct..... <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	27.08 3.07 6.88 2.29 4.59 5.73 8.03 9.17 11.47 12.61	11.43
23 31 13 23-0004 Black Steel Ductwork (23 31 13 23-0001)				
23 31 13 23-0005	LB	Black Steel Ductwork..... <i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i>	24.51 0.69 7.07 2.36 4.72 5.90 8.25 9.43 11.79 12.97	11.80

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 31 16 Non-metal Ducts (23 31)**23 31 16 13 Fibrous-Glass Ducts (23 31 16)****23 31 16 13-0001 Glass Fiber Duct Board (23 31 16 13)**

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	11.80	2.36
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	13.93	2.60
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	16.14	2.85

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)**23 31 16 16-0001 Fiber Reinforced Round Plastic Duct (23 31 16 16)****23 31 16 16-0002 Fiber Reinforced Round Plastic Duct (23 31 16 16-0001)**

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	20.63	6.33
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	25.91	7.41
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	35.03	10.87
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	46.54	13.74
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	59.03	17.20
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	71.19	20.67
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	79.99	24.13
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	91.49	26.39
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	98.96	28.07
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	123.69	31.54
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	129.97	33.80
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	161.39	36.08
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	184.75	41.80
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	212.88	50.40
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	286.82	56.14
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	321.29	63.06
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	356.51	72.26
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	404.17	84.32
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	431.10	103.19
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	526.05	126.13

23 31 16 16-0023 Fiber Reinforced Plastic Bell (23 31 16 16-0001)

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	70.36	25.68
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	84.67	30.46
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	97.79	35.83
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	128.80	47.77
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	157.44	59.72
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	183.70	71.67
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	227.83	88.98
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	243.33	95.55
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	263.61	102.12
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	283.89	109.89
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	310.12	119.44
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	357.75	131.39
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	412.51	143.33
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	467.36	161.24
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	522.20	179.16
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	577.01	197.08
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	715.23	238.88
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	858.42	298.60
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	1,030.06	358.32
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	1,178.01	406.10

23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	108.35	25.68
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	125.04	30.46
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	142.91	35.83
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	185.79	47.77
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	226.30	59.72
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	266.82	71.67
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	315.69	88.98
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	350.19	95.55
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	382.35	102.12
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	407.37	109.89
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	428.86	119.44
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	500.23	131.39
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	550.25	143.33
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	673.96	161.24
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	750.17	179.16
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	850.10	197.08
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	1,000.20	238.88
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	1,198.01	298.60
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,395.77	358.32
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,595.96	406.10

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0065		Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	181.56	61.87
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	213.51	73.93
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	247.82	86.00
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	321.72	114.66
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	395.61	143.33
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	469.53	171.99
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	577.31	213.92
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	650.56	226.46
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	737.65	245.93
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	871.77	263.72
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	1,000.28	286.65
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	1,154.92	315.32
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,535.13	343.99
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,951.18	386.99
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,545.31	430.11
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	3,008.87	473.10
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,567.73	573.32
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	4,329.06	716.64
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	5,089.93	859.74
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,803.26	974.28
23 31 16 16-0086		Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	155.43	61.87
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	182.64	73.93
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	212.17	86.00
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	269.48	114.66
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	326.75	143.33
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	388.87	171.99
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	480.03	213.92
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	519.84	226.46
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	613.95	245.81
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	701.11	263.96
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	805.47	286.65
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	924.02	315.09
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	1,154.72	343.75
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,403.17	387.35
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,769.29	430.34
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	2,070.85	473.10
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,470.60	573.32
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,970.71	716.64
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	3,496.10	858.07
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	3,952.74	975.23
23 31 16 16-0107		Fiber Reinforced Plastic Tee (23 31 16 16-0001)		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	236.96	92.32
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	280.35	111.20
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	321.85	128.99
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	417.28	171.99
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	510.82	213.92
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	609.99	259.18
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	737.32	314.13
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	804.08	339.93
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	924.14	369.31
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	1,039.27	395.58
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	1,191.71	430.11
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,358.43	473.10
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,607.82	515.86
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,917.81	580.72
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,500.11	645.22
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,964.11	709.84
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,571.48	860.57
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	4,285.81	1,075.45
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	4,999.46	1,289.84
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	5,643.47	1,462.56
23 31 16 16-0128		Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	201.32	92.32
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	237.57	111.20
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	272.02	128.99
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	348.50	171.99
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	423.03	213.92
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	507.93	259.18
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	609.35	314.36
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	661.06	339.69
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	724.91	369.43
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	783.38	395.95
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	855.01	430.34
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	945.22	473.10
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	1,042.15	515.63
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	1,176.27	580.36

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,313.51	645.58
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,443.81	709.60
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,726.92	858.07
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	2,116.15	1,077.36
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	2,555.03	1,290.79
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	2,865.02	1,462.56

23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)

23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	164.97	61.99
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	194.57	74.05
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	228.88	86.00
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	295.60	114.66
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	357.62	143.33
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	430.29	172.71
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	513.27	213.92
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	548.34	226.46
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	604.45	245.81
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	663.12	263.96
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	738.98	286.65
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	839.64	315.68
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	939.94	344.59
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	1,063.58	387.35
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,187.48	430.34
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,334.68	473.10
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,584.83	573.32
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,899.70	716.64
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	2,142.50	858.07
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	2,409.15	975.23

23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)

23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	193.47	61.99
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	213.57	74.05
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	247.88	86.00
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	321.72	114.66
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	395.61	143.33
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	470.67	172.71
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	565.52	213.92
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	614.83	226.46
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	670.94	245.81
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	753.36	263.96
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	938.46	286.65
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,131.73	315.68
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,215.41	344.59
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,381.80	387.35
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,500.94	430.34
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,643.40	473.10
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,834.17	573.32
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	2,134.80	716.64
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,403.72	858.07
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,646.63	975.23

23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)

23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	491.59	61.87
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	552.56	73.93
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	613.51	86.00
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	722.62	114.66
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	852.16	143.33
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	961.28	171.99
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	1,092.39	213.92
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	1,215.61	226.46
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	1,350.30	245.93
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,482.14	263.72
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,581.74	286.65
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,793.05	315.32
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	2,086.11	343.99
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	2,403.13	386.99
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	2,761.02	430.11
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	3,078.06	473.10
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	3,613.06	573.32
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	4,219.90	716.64
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	4,785.42	859.74
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	5,507.81	974.28

23 31 16 23 Fabric Ducts (23 31 16)**23 31 16 23-0001 Heavy-Duty Fabric Ducts (Zip-A-Duct™) (23 31 16 23)****23 31 16 23-0002 Heavy-Duty Fabric Duct Without Vents (23 31 16 23-0001)**

Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.

23 31 16 23-0003	EA	12" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents	207.34	9.63
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Note: Excludes suspension cable and hardware.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0004	EA		12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	324.02	12.84
23 31 16 23-0005	EA		16" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	250.56	16.05
23 31 16 23-0006	EA		16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	372.80	21.10
23 31 16 23-0007	EA		20" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	304.28	22.02
23 31 16 23-0008	EA		20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	435.85	29.35
23 31 16 23-0009	EA		24" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	354.63	28.43
23 31 16 23-0010	EA		24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	498.90	37.60
23 31 16 23-0011	EA		28" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	395.66	32.56
23 31 16 23-0012	EA		28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	593.02	43.57
23 31 16 23-0013	EA		32" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	435.31	36.23
23 31 16 23-0014	EA		32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	661.59	48.15
23 31 16 23-0015	EA		36" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	474.36	41.28
23 31 16 23-0016	EA		36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents..... Note: Excludes suspension cable and hardware.	763.24	55.03
23 31 16 23-0017 Heavy-Duty Fabric Duct With Vents (23 31 16 23-0001)					
23 31 16 23-0018	EA		12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	561.71	12.84
23 31 16 23-0019	EA		16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	624.75	21.10
23 31 16 23-0020	EA		20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	699.68	29.35
23 31 16 23-0021	EA		24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	777.00	37.60
23 31 16 23-0022	EA		28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	935.29	43.57
23 31 16 23-0023	EA		32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	1,003.86	48.15
23 31 16 23-0024	EA		36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents..... Note: Excludes suspension cable and hardware.	1,134.04	55.03
23 31 16 23-0025 Heavy-Duty Fabric Duct 90 Degree Elbow (23 31 16 23-0001)					
23 31 16 23-0026	EA		12" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	419.50	13.76
23 31 16 23-0027	EA		16" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	470.66	22.02
23 31 16 23-0028	EA		20" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	635.47	23.85
23 31 16 23-0029	EA		24" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	776.94	32.10
23 31 16 23-0030	EA		28" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	980.60	35.77
23 31 16 23-0031	EA		32" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	1,220.88	38.98
23 31 16 23-0032	EA		36" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow..... Note: Excludes suspension cable and hardware.	1,387.02	43.57
23 31 16 23-0033 Heavy-Duty Fabric Duct 45 Degree Elbow (23 31 16 23-0001)					
23 31 16 23-0034	EA		12" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	322.05	13.76
23 31 16 23-0035	EA		16" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	380.34	22.02
23 31 16 23-0036	EA		20" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	426.30	23.85
23 31 16 23-0037	EA		24" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	498.85	32.10
23 31 16 23-0038	EA		28" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	576.53	35.77
23 31 16 23-0039	EA		32" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	690.83	38.98
23 31 16 23-0040	EA		36" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow..... Note: Excludes suspension cable and hardware.	787.93	43.57
23 31 16 23-0041 Heavy-Duty Fabric Duct Tee (23 31 16 23-0001)					
23 31 16 23-0042	EA		16" x 12" x 12" Gray Heavy-Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,024.14	32.10
23 31 16 23-0043	EA		20" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,078.63	34.40
23 31 16 23-0044	EA		24" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,171.82	46.31

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

UNIT COST

DEMOLITION

UNIT COST

23 31 16 23-0045	EA	28" x 20" x 20" Gray Heavy-Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,233.66	51.83
23 31 16 23-0046	EA	32" x 24" x 24" Gray Heavy-Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,280.82	56.41
23 31 16 23-0047	EA	36" x 28" x 28" Gray Heavy-Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,344.45	63.29

23 31 16 23-0048 Heavy-Duty Fabric Duct Inlets (23 31 16 23-0001)

23 31 16 23-0049	EA	12" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	167.55	13.76
23 31 16 23-0050	EA	16" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	199.70	22.02
23 31 16 23-0051	EA	20" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	214.76	23.85
23 31 16 23-0052	EA	24" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	249.27	32.10
23 31 16 23-0053	EA	28" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	267.53	35.77
23 31 16 23-0054	EA	32" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	286.76	38.98
23 31 16 23-0055	EA	36" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	314.92	43.57

23 31 16 23-0056 Heavy-Duty Fabric Duct Cap (23 31 16 23-0001)

23 31 16 23-0057	EA	12" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	98.58	8.26
23 31 16 23-0058	EA	16" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	125.75	13.30
23 31 16 23-0059	EA	20" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	147.54	14.22
23 31 16 23-0060	EA	24" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	205.61	19.26
23 31 16 23-0061	EA	28" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	245.84	21.55
23 31 16 23-0062	EA	32" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	306.06	23.39
23 31 16 23-0063	EA	36" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	345.30	26.14

23 31 16 23-0064 Heavy-Duty Fabric Duct Suspension Hardware (23 31 16 23-0001)

23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	39.61	6.95
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	61.66	10.42
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables..... Note: Requires two (2) cable locks per support point or per stretcher.	14.92	3.47
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct..... Note: Excludes anchor bolts or anchors.	0.87	0.14
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	34.36	6.95
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	71.18	6.95
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	97.55	10.42
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables..... Note: Requires two (2) cable locks per support point or per stretcher.	19.37	3.47
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct..... Note: Excludes anchor bolts or anchors.	2.68	0.14
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs Note: Excludes anchor bolts or anchors.	45.86	6.95

23 33 Air Duct Accessories (23 33)**23 33 13 Dampers** (23 33)**23 33 13 13 Volume-Control Dampers** (23 33 13)**23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (Ruskin CDR)** (23 33 13 13)

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated For Stainless Steel, Add For Parallel Blade Damper, Add	130.09 113.14 34.81	11.10
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated For Stainless Steel, Add For Parallel Blade Damper, Add	138.24 114.78 35.32	12.48
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated For Stainless Steel, Add For Parallel Blade Damper, Add	147.30 115.99 35.69	13.87
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated For Stainless Steel, Add For Parallel Blade Damper, Add	158.83 123.24 37.92	16.65
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated For Stainless Steel, Add For Parallel Blade Damper, Add	171.74 130.49 40.15	18.04
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated For Stainless Steel, Add For Parallel Blade Damper, Add	206.30 166.74 51.30	19.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0008	EA		15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	225.52	20.81
			For Stainless Steel, Add	181.23	
			For Parallel Blade Damper, Add	55.76	
23 33 13 13-0009	EA		16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	237.45	23.58
			For Stainless Steel, Add	188.45	
			For Parallel Blade Damper, Add	57.98	
23 33 13 13-0010	EA		18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	261.61	24.97
			For Stainless Steel, Add	210.22	
			For Parallel Blade Damper, Add	64.68	
23 33 13 13-0011	EA		20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	309.33	27.75
			For Stainless Steel, Add	260.98	
			For Parallel Blade Damper, Add	80.30	
23 33 13 13-0012	EA		24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	342.12	27.75
			For Stainless Steel, Add	297.18	
			For Parallel Blade Damper, Add	91.44	
23 33 13 13-0013	EA		30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	392.50	31.91
			For Stainless Steel, Add	347.92	
			For Parallel Blade Damper, Add	107.05	
23 33 13 13-0014	EA		36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	423.06	33.30
			For Stainless Steel, Add	379.12	
			For Parallel Blade Damper, Add	116.65	
23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) (23 33 13 13)					
23 33 13 13-0016	EA		6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	151.51	15.43
			For Stainless Steel, Add	136.81	
			For Parallel Blade Damper, Add	42.10	
23 33 13 13-0017	EA		8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	161.08	16.12
			For Stainless Steel, Add	146.52	
			For Parallel Blade Damper, Add	45.08	
23 33 13 13-0018	EA		8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	168.87	16.26
			For Stainless Steel, Add	156.30	
			For Parallel Blade Damper, Add	48.09	
23 33 13 13-0019	EA		10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	168.87	16.26
			For Stainless Steel, Add	156.30	
			For Parallel Blade Damper, Add	48.09	
23 33 13 13-0020	EA		10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.79	16.68
			For Stainless Steel, Add	166.09	
			For Parallel Blade Damper, Add	51.10	
23 33 13 13-0021	EA		10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	198.35	18.49
			For Stainless Steel, Add	185.59	
			For Parallel Blade Damper, Add	57.10	
23 33 13 13-0022	EA		12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	177.79	16.68
			For Stainless Steel, Add	166.09	
			For Parallel Blade Damper, Add	51.10	
23 33 13 13-0023	EA		12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	195.57	17.65
			For Stainless Steel, Add	185.59	
			For Parallel Blade Damper, Add	57.10	
23 33 13 13-0024	EA		12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.92	18.49
			For Stainless Steel, Add	195.43	
			For Parallel Blade Damper, Add	60.13	
23 33 13 13-0025	EA		12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.57	20.85
			For Stainless Steel, Add	214.54	
			For Parallel Blade Damper, Add	66.01	
23 33 13 13-0026	EA		14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	191.86	17.65
			For Stainless Steel, Add	180.77	
			For Parallel Blade Damper, Add	55.62	
23 33 13 13-0027	EA		14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.92	18.49
			For Stainless Steel, Add	195.43	
			For Parallel Blade Damper, Add	60.13	
23 33 13 13-0028	EA		14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.22	19.45
			For Stainless Steel, Add	205.22	
			For Parallel Blade Damper, Add	63.14	
23 33 13 13-0029	EA		14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	227.92	20.85
			For Stainless Steel, Add	214.99	
			For Parallel Blade Damper, Add	66.15	
23 33 13 13-0030	EA		14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	253.63	23.21
			For Stainless Steel, Add	239.38	
			For Parallel Blade Damper, Add	73.66	
23 33 13 13-0031	EA		16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	205.92	18.49
			For Stainless Steel, Add	195.43	
			For Parallel Blade Damper, Add	60.13	
23 33 13 13-0032	EA		16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	217.62	19.87
			For Stainless Steel, Add	205.22	
			For Parallel Blade Damper, Add	63.14	
23 33 13 13-0033	EA		16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	230.69	21.81
			For Stainless Steel, Add	214.99	
			For Parallel Blade Damper, Add	66.15	
23 33 13 13-0034	EA		16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	242.34	23.21
			For Stainless Steel, Add	224.71	
			For Parallel Blade Damper, Add	69.14	
23 33 13 13-0035	EA		16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	268.16	25.43
			For Stainless Steel, Add	249.24	
			For Parallel Blade Damper, Add	76.69	
23 33 13 13-0036	EA		16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	293.87	27.80
			For Stainless Steel, Add	273.62	
			For Parallel Blade Damper, Add	84.19	
23 33 13 13-0037	EA		18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	216.22	19.45
			For Stainless Steel, Add	205.22	
			For Parallel Blade Damper, Add	63.14	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 13-0038	EA 18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	231.63	20.85
	For Stainless Steel, Add	219.82	
	For Parallel Blade Damper, Add	67.64	
23 33 13 13-0039	EA 18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	249.92	23.21
	For Stainless Steel, Add	234.56	
	For Parallel Blade Damper, Add	72.17	
23 33 13 13-0040	EA 18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	275.68	25.43
	For Stainless Steel, Add	259.01	
	For Parallel Blade Damper, Add	79.70	
23 33 13 13-0041	EA 18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	297.63	27.80
	For Stainless Steel, Add	278.51	
	For Parallel Blade Damper, Add	85.70	
23 33 13 13-0042	EA 18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	312.74	30.02
	For Stainless Steel, Add	289.13	
	For Parallel Blade Damper, Add	88.96	
23 33 13 13-0043	EA 18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	330.45	32.38
	For Stainless Steel, Add	303.13	
	For Parallel Blade Damper, Add	93.27	
23 33 13 13-0044	EA 20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	212.89	20.85
	For Stainless Steel, Add	195.46	
	For Parallel Blade Damper, Add	60.14	
23 33 13 13-0045	EA 20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	233.47	23.21
	For Stainless Steel, Add	213.17	
	For Parallel Blade Damper, Add	65.59	
23 33 13 13-0046	EA 20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	254.10	25.43
	For Stainless Steel, Add	230.96	
	For Parallel Blade Damper, Add	71.06	
23 33 13 13-0047	EA 20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.41	27.80
	For Stainless Steel, Add	266.53	
	For Parallel Blade Damper, Add	82.01	
23 33 13 13-0048	EA 20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	305.61	30.02
	For Stainless Steel, Add	279.86	
	For Parallel Blade Damper, Add	86.11	
23 33 13 13-0049	EA 20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	322.81	32.38
	For Stainless Steel, Add	293.20	
	For Parallel Blade Damper, Add	90.22	
23 33 13 13-0050	EA 20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	343.40	34.74
	For Stainless Steel, Add	310.93	
	For Parallel Blade Damper, Add	95.67	
23 33 13 13-0051	EA 20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	363.98	36.97
	For Stainless Steel, Add	328.65	
	For Parallel Blade Damper, Add	101.12	
23 33 13 13-0052	EA 24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	240.31	23.21
	For Stainless Steel, Add	222.07	
	For Parallel Blade Damper, Add	68.33	
23 33 13 13-0053	EA 24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	267.78	25.43
	For Stainless Steel, Add	248.74	
	For Parallel Blade Damper, Add	76.54	
23 33 13 13-0054	EA 24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.41	27.80
	For Stainless Steel, Add	266.53	
	For Parallel Blade Damper, Add	82.01	
23 33 13 13-0055	EA 24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	315.87	30.02
	For Stainless Steel, Add	293.20	
	For Parallel Blade Damper, Add	90.22	
23 33 13 13-0056	EA 24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	333.03	32.38
	For Stainless Steel, Add	306.49	
	For Parallel Blade Damper, Add	94.30	
23 33 13 13-0057	EA 24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	350.24	34.74
	For Stainless Steel, Add	319.83	
	For Parallel Blade Damper, Add	98.41	
23 33 13 13-0058	EA 24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	377.66	36.97
	For Stainless Steel, Add	346.44	
	For Parallel Blade Damper, Add	106.60	
23 33 13 13-0059	EA 24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	412.04	41.69
	For Stainless Steel, Add	373.06	
	For Parallel Blade Damper, Add	114.79	
23 33 13 13-0060	EA 24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	453.34	46.27
	For Stainless Steel, Add	408.68	
	For Parallel Blade Damper, Add	125.75	
23 33 13 13-0061	EA 28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	267.78	25.43
	For Stainless Steel, Add	248.74	
	For Parallel Blade Damper, Add	76.54	
23 33 13 13-0062	EA 28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.41	27.80
	For Stainless Steel, Add	266.53	
	For Parallel Blade Damper, Add	82.01	
23 33 13 13-0063	EA 28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	315.87	30.02
	For Stainless Steel, Add	293.20	
	For Parallel Blade Damper, Add	90.22	
23 33 13 13-0064	EA 28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.45	32.38
	For Stainless Steel, Add	310.93	
	For Parallel Blade Damper, Add	95.67	
23 33 13 13-0065	EA 28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	360.45	34.74
	For Stainless Steel, Add	333.10	
	For Parallel Blade Damper, Add	102.49	
23 33 13 13-0066	EA 28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	384.45	36.97
	For Stainless Steel, Add	355.26	
	For Parallel Blade Damper, Add	109.31	
23 33 13 13-0067	EA 28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	418.88	41.69
	For Stainless Steel, Add	381.95	
	For Parallel Blade Damper, Add	117.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0068	EA		28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	453.34	46.27
			For Stainless Steel, Add	408.68	
			For Parallel Blade Damper, Add	125.75	
23 33 13 13-0069	EA		28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	501.24	48.64
			For Stainless Steel, Add	461.92	
			For Parallel Blade Damper, Add	142.13	
23 33 13 13-0070	EA		28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	549.29	53.22
			For Stainless Steel, Add	506.32	
			For Parallel Blade Damper, Add	155.79	
23 33 13 13-0071	EA		32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	308.93	27.80
			For Stainless Steel, Add	293.20	
			For Parallel Blade Damper, Add	90.22	
23 33 13 13-0072	EA		32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	322.67	30.02
			For Stainless Steel, Add	302.04	
			For Parallel Blade Damper, Add	92.94	
23 33 13 13-0073	EA		32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.45	32.38
			For Stainless Steel, Add	310.93	
			For Parallel Blade Damper, Add	95.67	
23 33 13 13-0074	EA		32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	357.03	34.74
			For Stainless Steel, Add	328.65	
			For Parallel Blade Damper, Add	101.12	
23 33 13 13-0075	EA		32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	385.78	36.97
			For Stainless Steel, Add	356.99	
			For Parallel Blade Damper, Add	109.84	
23 33 13 13-0076	EA		32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	418.88	41.69
			For Stainless Steel, Add	381.95	
			For Parallel Blade Damper, Add	117.52	
23 33 13 13-0077	EA		32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	460.19	46.27
			For Stainless Steel, Add	417.59	
			For Parallel Blade Damper, Add	128.49	
23 33 13 13-0078	EA		32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	501.39	50.86
			For Stainless Steel, Add	453.09	
			For Parallel Blade Damper, Add	139.41	
23 33 13 13-0079	EA		32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	549.29	53.22
			For Stainless Steel, Add	506.32	
			For Parallel Blade Damper, Add	155.79	
23 33 13 13-0080	EA		32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	608.29	56.97
			For Stainless Steel, Add	568.57	
			For Parallel Blade Damper, Add	174.94	
23 33 13 13-0081	EA		32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	672.70	60.17
			For Stainless Steel, Add	639.65	
			For Parallel Blade Damper, Add	196.82	
23 33 13 13-0082	EA		36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.35	30.02
			For Stainless Steel, Add	319.83	
			For Parallel Blade Damper, Add	98.41	
23 33 13 13-0083	EA		36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	356.92	32.38
			For Stainless Steel, Add	337.55	
			For Parallel Blade Damper, Add	103.86	
23 33 13 13-0084	EA		36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	377.50	34.74
			For Stainless Steel, Add	355.26	
			For Parallel Blade Damper, Add	109.31	
23 33 13 13-0085	EA		36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	404.98	36.97
			For Stainless Steel, Add	381.95	
			For Parallel Blade Damper, Add	117.52	
23 33 13 13-0086	EA		36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	429.18	41.69
			For Stainless Steel, Add	395.34	
			For Parallel Blade Damper, Add	121.64	
23 33 13 13-0087	EA		36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.39	43.91
			For Stainless Steel, Add	408.68	
			For Parallel Blade Damper, Add	125.75	
23 33 13 13-0088	EA		36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	501.39	50.86
			For Stainless Steel, Add	453.09	
			For Parallel Blade Damper, Add	139.41	
23 33 13 13-0089	EA		36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	549.40	55.59
			For Stainless Steel, Add	497.43	
			For Parallel Blade Damper, Add	153.06	
23 33 13 13-0090	EA		36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	596.00	57.40
			For Stainless Steel, Add	550.78	
			For Parallel Blade Damper, Add	169.47	
23 33 13 13-0091	EA		36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	663.14	61.56
			For Stainless Steel, Add	621.80	
			For Parallel Blade Damper, Add	191.32	
23 33 13 13-0092	EA		36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	720.70	64.76
			For Stainless Steel, Add	683.98	
			For Parallel Blade Damper, Add	210.46	
23 33 13 13-0093	EA		36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	782.33	67.12
			For Stainless Steel, Add	755.07	
			For Parallel Blade Damper, Add	232.33	
23 33 13 13-0094	EA		40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	350.08	34.74
			For Stainless Steel, Add	328.65	
			For Parallel Blade Damper, Add	101.12	
23 33 13 13-0095	EA		40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	384.35	36.97
			For Stainless Steel, Add	364.17	
			For Parallel Blade Damper, Add	112.05	
23 33 13 13-0096	EA		40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	398.14	39.32
			For Stainless Steel, Add	373.06	
			For Parallel Blade Damper, Add	114.79	
23 33 13 13-0097	EA		40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	411.93	41.69
			For Stainless Steel, Add	381.95	
			For Parallel Blade Damper, Add	117.52	

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23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	449.77	43.91
		For Stainless Steel, Add	413.08	
		For Parallel Blade Damper, Add	127.10	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.66	46.27
		For Stainless Steel, Add	444.20	
		For Parallel Blade Damper, Add	136.68	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	528.81	53.22
		For Stainless Steel, Add	479.70	
		For Parallel Blade Damper, Add	147.60	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	570.07	57.81
		For Stainless Steel, Add	515.27	
		For Parallel Blade Damper, Add	158.54	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	622.19	61.56
		For Stainless Steel, Add	568.57	
		For Parallel Blade Damper, Add	174.94	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	707.07	64.76
		For Stainless Steel, Add	666.26	
		For Parallel Blade Damper, Add	205.00	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	759.13	68.51
		For Stainless Steel, Add	719.50	
		For Parallel Blade Damper, Add	221.38	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	839.88	70.32
		For Stainless Steel, Add	817.25	
		For Parallel Blade Damper, Add	251.46	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	919.36	74.07
		For Stainless Steel, Add	906.11	
		For Parallel Blade Damper, Add	278.80	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	370.71	34.74
		For Stainless Steel, Add	346.44	
		For Parallel Blade Damper, Add	106.60	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	404.98	36.97
		For Stainless Steel, Add	381.95	
		For Parallel Blade Damper, Add	117.52	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	432.49	39.32
		For Stainless Steel, Add	408.68	
		For Parallel Blade Damper, Add	125.75	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.29	41.69
		For Stainless Steel, Add	417.59	
		For Parallel Blade Damper, Add	128.49	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.55	43.91
		For Stainless Steel, Add	453.09	
		For Parallel Blade Damper, Add	139.41	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	514.81	46.27
		For Stainless Steel, Add	488.59	
		For Parallel Blade Damper, Add	150.34	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	576.81	55.59
		For Stainless Steel, Add	533.07	
		For Parallel Blade Damper, Add	164.02	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	624.81	60.17
		For Stainless Steel, Add	577.40	
		For Parallel Blade Damper, Add	177.66	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	707.07	64.76
		For Stainless Steel, Add	666.26	
		For Parallel Blade Damper, Add	205.00	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	782.49	69.49
		For Stainless Steel, Add	746.24	
		For Parallel Blade Damper, Add	229.61	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	864.64	74.07
		For Stainless Steel, Add	834.98	
		For Parallel Blade Damper, Add	256.92	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	933.10	76.29
		For Stainless Steel, Add	914.94	
		For Parallel Blade Damper, Add	281.52	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,001.57	78.66
		For Stainless Steel, Add	994.92	
		For Parallel Blade Damper, Add	306.13	
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,070.04	81.02
		For Stainless Steel, Add	1,074.89	
		For Parallel Blade Damper, Add	330.74	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	398.14	36.97
		For Stainless Steel, Add	373.06	
		For Parallel Blade Damper, Add	114.79	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	432.49	39.32
		For Stainless Steel, Add	408.68	
		For Parallel Blade Damper, Add	125.75	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.29	41.69
		For Stainless Steel, Add	417.59	
		For Parallel Blade Damper, Add	128.49	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.66	46.27
		For Stainless Steel, Add	444.20	
		For Parallel Blade Damper, Add	136.68	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	521.86	50.86
		For Stainless Steel, Add	479.70	
		For Parallel Blade Damper, Add	147.60	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	563.12	55.59
		For Stainless Steel, Add	515.27	
		For Parallel Blade Damper, Add	158.54	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	618.02	60.17
		For Stainless Steel, Add	568.57	
		For Parallel Blade Damper, Add	174.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0128	EA		48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	672.87	64.76
			For Stainless Steel, Add	621.80	
			For Parallel Blade Damper, Add	191.32	
23 33 13 13-0129	EA		48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	748.28	69.49
			For Stainless Steel, Add	701.77	
			For Parallel Blade Damper, Add	215.93	
23 33 13 13-0130	EA		48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	837.32	74.07
			For Stainless Steel, Add	799.46	
			For Parallel Blade Damper, Add	245.99	
23 33 13 13-0131	EA		48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	905.84	76.29
			For Stainless Steel, Add	879.50	
			For Parallel Blade Damper, Add	270.62	
23 33 13 13-0132	EA		48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	994.73	78.66
			For Stainless Steel, Add	986.02	
			For Parallel Blade Damper, Add	303.39	
23 33 13 13-0133	EA		48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,070.15	83.24
			For Stainless Steel, Add	1,066.00	
			For Parallel Blade Damper, Add	328.00	
23 33 13 13-0134	EA		48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,159.09	85.61
			For Stainless Steel, Add	1,172.59	
			For Parallel Blade Damper, Add	360.80	
23 33 13 13-0135	EA		48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,234.59	92.56
			For Stainless Steel, Add	1,243.66	
			For Parallel Blade Damper, Add	382.66	
23 33 13 13-0136	EA		52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	425.65	39.32
			For Stainless Steel, Add	399.79	
			For Parallel Blade Damper, Add	123.01	
23 33 13 13-0137	EA		52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	459.92	41.69
			For Stainless Steel, Add	435.31	
			For Parallel Blade Damper, Add	133.94	
23 33 13 13-0138	EA		52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	501.13	46.27
			For Stainless Steel, Add	470.81	
			For Parallel Blade Damper, Add	144.86	
23 33 13 13-0139	EA		52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	521.86	50.86
			For Stainless Steel, Add	479.70	
			For Parallel Blade Damper, Add	147.60	
23 33 13 13-0140	EA		52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	566.55	55.59
			For Stainless Steel, Add	519.73	
			For Parallel Blade Damper, Add	159.92	
23 33 13 13-0141	EA		52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	611.18	60.17
			For Stainless Steel, Add	559.68	
			For Parallel Blade Damper, Add	172.21	
23 33 13 13-0142	EA		52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	666.07	64.76
			For Stainless Steel, Add	612.96	
			For Parallel Blade Damper, Add	188.60	
23 33 13 13-0143	EA		52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	720.97	69.49
			For Stainless Steel, Add	666.26	
			For Parallel Blade Damper, Add	205.00	
23 33 13 13-0144	EA		52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	796.38	74.07
			For Stainless Steel, Add	746.24	
			For Parallel Blade Damper, Add	229.61	
23 33 13 13-0145	EA		52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	892.22	78.66
			For Stainless Steel, Add	852.76	
			For Parallel Blade Damper, Add	262.39	
23 33 13 13-0146	EA		52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	967.48	81.02
			For Stainless Steel, Add	941.56	
			For Parallel Blade Damper, Add	289.71	
23 33 13 13-0147	EA		52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,063.31	83.24
			For Stainless Steel, Add	1,057.11	
			For Parallel Blade Damper, Add	325.26	
23 33 13 13-0148	EA		52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,159.15	87.97
			For Stainless Steel, Add	1,163.63	
			For Parallel Blade Damper, Add	358.04	
23 33 13 13-0149	EA		52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,234.59	92.56
			For Stainless Steel, Add	1,243.66	
			For Parallel Blade Damper, Add	382.66	
23 33 13 13-0150	EA		52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,337.43	99.50
			For Stainless Steel, Add	1,350.25	
			For Parallel Blade Damper, Add	415.46	
23 33 13 13-0151	EA		52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,419.69	104.08
			For Stainless Steel, Add	1,439.11	
			For Parallel Blade Damper, Add	442.80	
23 33 13 13-0152	EA		56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.29	41.69
			For Stainless Steel, Add	417.59	
			For Parallel Blade Damper, Add	128.49	
23 33 13 13-0153	EA		56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	494.29	46.27
			For Stainless Steel, Add	461.92	
			For Parallel Blade Damper, Add	142.13	
23 33 13 13-0154	EA		56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	528.70	50.86
			For Stainless Steel, Add	488.59	
			For Parallel Blade Damper, Add	150.34	
23 33 13 13-0155	EA		56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	549.40	55.59
			For Stainless Steel, Add	497.43	
			For Parallel Blade Damper, Add	153.06	
23 33 13 13-0156	EA		56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	600.92	60.17
			For Stainless Steel, Add	546.34	
			For Parallel Blade Damper, Add	168.10	
23 33 13 13-0157	EA		56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	652.39	64.76
			For Stainless Steel, Add	595.18	
			For Parallel Blade Damper, Add	183.13	

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23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	703.87	69.49
		For Stainless Steel, Add	644.03	
		For Parallel Blade Damper, Add	198.16	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	755.33	74.07
		For Stainless Steel, Add	692.87	
		For Parallel Blade Damper, Add	213.19	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	851.22	78.66
		For Stainless Steel, Add	799.46	
		For Parallel Blade Damper, Add	245.99	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	940.21	81.02
		For Stainless Steel, Add	906.11	
		For Parallel Blade Damper, Add	278.80	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,022.31	83.24
		For Stainless Steel, Add	1,003.81	
		For Parallel Blade Damper, Add	308.86	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,131.88	87.97
		For Stainless Steel, Add	1,128.18	
		For Parallel Blade Damper, Add	347.13	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,227.75	92.56
		For Stainless Steel, Add	1,234.77	
		For Parallel Blade Damper, Add	379.93	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,330.48	97.14
		For Stainless Steel, Add	1,350.25	
		For Parallel Blade Damper, Add	415.46	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,412.74	101.86
		For Stainless Steel, Add	1,439.11	
		For Parallel Blade Damper, Add	442.80	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,515.47	106.45
		For Stainless Steel, Add	1,554.59	
		For Parallel Blade Damper, Add	478.34	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,618.20	111.03
		For Stainless Steel, Add	1,670.07	
		For Parallel Blade Damper, Add	513.87	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.66	46.27
		For Stainless Steel, Add	444.20	
		For Parallel Blade Damper, Add	136.68	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	528.70	50.86
		For Stainless Steel, Add	488.59	
		For Parallel Blade Damper, Add	150.34	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	556.24	55.59
		For Stainless Steel, Add	506.32	
		For Parallel Blade Damper, Add	155.79	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	577.02	60.17
		For Stainless Steel, Add	515.27	
		For Parallel Blade Damper, Add	158.54	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	631.92	64.76
		For Stainless Steel, Add	568.57	
		For Parallel Blade Damper, Add	174.94	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	686.77	69.49
		For Stainless Steel, Add	621.80	
		For Parallel Blade Damper, Add	191.32	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	745.07	74.07
		For Stainless Steel, Add	679.54	
		For Parallel Blade Damper, Add	209.09	
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	803.39	78.66
		For Stainless Steel, Add	737.28	
		For Parallel Blade Damper, Add	226.86	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	899.17	81.02
		For Stainless Steel, Add	852.76	
		For Parallel Blade Damper, Add	262.39	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	988.11	83.24
		For Stainless Steel, Add	959.35	
		For Parallel Blade Damper, Add	295.18	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,090.89	87.97
		For Stainless Steel, Add	1,074.89	
		For Parallel Blade Damper, Add	330.74	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,193.60	92.56
		For Stainless Steel, Add	1,190.37	
		For Parallel Blade Damper, Add	366.27	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,275.81	97.14
		For Stainless Steel, Add	1,279.17	
		For Parallel Blade Damper, Add	393.59	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,399.01	101.86
		For Stainless Steel, Add	1,421.26	
		For Parallel Blade Damper, Add	437.31	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,508.58	106.45
		For Stainless Steel, Add	1,545.64	
		For Parallel Blade Damper, Add	475.58	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,618.20	111.03
		For Stainless Steel, Add	1,670.07	
		For Parallel Blade Damper, Add	513.87	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,713.99	115.76
		For Stainless Steel, Add	1,776.54	
		For Parallel Blade Damper, Add	546.63	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,809.97	120.35
		For Stainless Steel, Add	1,883.25	
		For Parallel Blade Damper, Add	579.46	

23 33 13 16 Fire Dampers (23 33 13)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0001		Fire Dampers (23 33 13 16)		
23 33 13 16-0002	SF	Curtain Type, Vertical, Fire Damper	156.11	15.01
		For Smoke Damper, Add	94.30	
		For Spring Activated Horizontal Mount Operation, Add	24.96	
		For Dynamic Damper, Add	59.91	
		For 3 Hour Rated, Add	33.28	
23 33 13 16-0003	SF	Louver Type, Vertical, Fire Damper	216.63	15.01
		For Smoke Damper, Add	145.74	
		For Spring Activated Horizontal Mount Operation, Add	38.58	
		For Dynamic Damper, Add	92.59	
		For 3 Hour Rated, Add	51.44	
23 33 13 16-0004		Folding Curtain Fire Dampers (23 33 13 16)		
		Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.		
23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.76	15.43
		For Spring Activated Horizontal Mount Operation, Add	8.21	
		For Dynamic Damper, Add	19.70	
		For 3 Hour Rated, Add	10.95	
		For Cap Of Damper Blades Outside Air Stream, Add	9.12	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	87.45	16.12
		For Spring Activated Horizontal Mount Operation, Add	8.79	
		For Dynamic Damper, Add	21.10	
		For 3 Hour Rated, Add	11.72	
		For Cap Of Damper Blades Outside Air Stream, Add	9.77	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.33	16.26
		For Spring Activated Horizontal Mount Operation, Add	9.38	
		For Dynamic Damper, Add	22.51	
		For 3 Hour Rated, Add	12.51	
		For Cap Of Damper Blades Outside Air Stream, Add	10.42	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	90.33	16.26
		For Spring Activated Horizontal Mount Operation, Add	9.38	
		For Dynamic Damper, Add	22.51	
		For 3 Hour Rated, Add	12.51	
		For Cap Of Damper Blades Outside Air Stream, Add	10.42	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.33	16.68
		For Spring Activated Horizontal Mount Operation, Add	9.97	
		For Dynamic Damper, Add	23.92	
		For 3 Hour Rated, Add	13.29	
		For Cap Of Damper Blades Outside Air Stream, Add	11.08	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.10	18.49
		For Spring Activated Horizontal Mount Operation, Add	11.14	
		For Dynamic Damper, Add	26.74	
		For 3 Hour Rated, Add	14.85	
		For Cap Of Damper Blades Outside Air Stream, Add	12.38	
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.33	16.68
		For Spring Activated Horizontal Mount Operation, Add	9.97	
		For Dynamic Damper, Add	23.92	
		For 3 Hour Rated, Add	13.29	
		For Cap Of Damper Blades Outside Air Stream, Add	11.08	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.32	17.65
		For Spring Activated Horizontal Mount Operation, Add	11.14	
		For Dynamic Damper, Add	26.74	
		For 3 Hour Rated, Add	14.85	
		For Cap Of Damper Blades Outside Air Stream, Add	12.38	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.71	18.49
		For Spring Activated Horizontal Mount Operation, Add	11.73	
		For Dynamic Damper, Add	28.14	
		For 3 Hour Rated, Add	15.64	
		For Cap Of Damper Blades Outside Air Stream, Add	13.03	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.27	20.85
		For Spring Activated Horizontal Mount Operation, Add	12.31	
		For Dynamic Damper, Add	29.55	
		For 3 Hour Rated, Add	16.42	
		For Cap Of Damper Blades Outside Air Stream, Add	13.68	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	101.02	17.65
		For Spring Activated Horizontal Mount Operation, Add	10.85	
		For Dynamic Damper, Add	26.03	
		For 3 Hour Rated, Add	14.46	
		For Cap Of Damper Blades Outside Air Stream, Add	12.05	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.71	18.49
		For Spring Activated Horizontal Mount Operation, Add	11.73	
		For Dynamic Damper, Add	28.14	
		For 3 Hour Rated, Add	15.64	
		For Cap Of Damper Blades Outside Air Stream, Add	13.03	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.09	19.45
		For Spring Activated Horizontal Mount Operation, Add	12.31	
		For Dynamic Damper, Add	29.55	
		For 3 Hour Rated, Add	16.42	
		For Cap Of Damper Blades Outside Air Stream, Add	13.68	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.88	20.85
		For Spring Activated Horizontal Mount Operation, Add	12.90	
		For Dynamic Damper, Add	30.96	
		For 3 Hour Rated, Add	17.20	
		For Cap Of Damper Blades Outside Air Stream, Add	14.34	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0019	EA 14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	133.35	23.21
	For Spring Activated Horizontal Mount Operation, Add	14.37	
	For Dynamic Damper, Add	34.48	
	For 3 Hour Rated, Add	19.16	
	For Cap Of Damper Blades Outside Air Stream, Add	15.97	
23 33 13 16-0020	EA 16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.71	18.49
	For Spring Activated Horizontal Mount Operation, Add	11.73	
	For Dynamic Damper, Add	28.14	
	For 3 Hour Rated, Add	15.64	
	For Cap Of Damper Blades Outside Air Stream, Add	13.03	
23 33 13 16-0021	EA 16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	114.49	19.87
	For Spring Activated Horizontal Mount Operation, Add	12.31	
	For Dynamic Damper, Add	29.55	
	For 3 Hour Rated, Add	16.42	
	For Cap Of Damper Blades Outside Air Stream, Add	13.68	
23 33 13 16-0022	EA 16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	122.65	21.81
	For Spring Activated Horizontal Mount Operation, Add	12.90	
	For Dynamic Damper, Add	30.96	
	For 3 Hour Rated, Add	17.20	
	For Cap Of Damper Blades Outside Air Stream, Add	14.34	
23 33 13 16-0023	EA 16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.42	23.21
	For Spring Activated Horizontal Mount Operation, Add	13.48	
	For Dynamic Damper, Add	32.36	
	For 3 Hour Rated, Add	17.98	
	For Cap Of Damper Blades Outside Air Stream, Add	14.98	
23 33 13 16-0024	EA 16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	142.91	25.43
	For Spring Activated Horizontal Mount Operation, Add	14.96	
	For Dynamic Damper, Add	35.89	
	For 3 Hour Rated, Add	19.94	
	For Cap Of Damper Blades Outside Air Stream, Add	16.62	
23 33 13 16-0025	EA 16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.37	27.80
	For Spring Activated Horizontal Mount Operation, Add	16.42	
	For Dynamic Damper, Add	39.41	
	For 3 Hour Rated, Add	21.89	
	For Cap Of Damper Blades Outside Air Stream, Add	18.25	
23 33 13 16-0026	EA 18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.09	19.45
	For Spring Activated Horizontal Mount Operation, Add	12.31	
	For Dynamic Damper, Add	29.55	
	For 3 Hour Rated, Add	16.42	
	For Cap Of Damper Blades Outside Air Stream, Add	13.68	
23 33 13 16-0027	EA 18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.17	20.85
	For Spring Activated Horizontal Mount Operation, Add	13.19	
	For Dynamic Damper, Add	31.66	
	For 3 Hour Rated, Add	17.59	
	For Cap Of Damper Blades Outside Air Stream, Add	14.66	
23 33 13 16-0028	EA 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.05	23.21
	For Spring Activated Horizontal Mount Operation, Add	14.08	
	For Dynamic Damper, Add	33.78	
	For 3 Hour Rated, Add	18.77	
	For Cap Of Damper Blades Outside Air Stream, Add	15.64	
23 33 13 16-0029	EA 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	145.52	25.43
	For Spring Activated Horizontal Mount Operation, Add	15.54	
	For Dynamic Damper, Add	37.30	
	For 3 Hour Rated, Add	20.72	
	For Cap Of Damper Blades Outside Air Stream, Add	17.27	
23 33 13 16-0030	EA 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	157.67	27.80
	For Spring Activated Horizontal Mount Operation, Add	16.71	
	For Dynamic Damper, Add	40.11	
	For 3 Hour Rated, Add	22.28	
	For Cap Of Damper Blades Outside Air Stream, Add	18.57	
23 33 13 16-0031	EA 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	171.13	30.02
	For Spring Activated Horizontal Mount Operation, Add	18.18	
	For Dynamic Damper, Add	43.63	
	For 3 Hour Rated, Add	24.24	
	For Cap Of Damper Blades Outside Air Stream, Add	20.20	
23 33 13 16-0032	EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	181.97	32.38
	For Spring Activated Horizontal Mount Operation, Add	19.06	
	For Dynamic Damper, Add	45.74	
	For 3 Hour Rated, Add	25.41	
	For Cap Of Damper Blades Outside Air Stream, Add	21.18	
23 33 13 16-0033	EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.88	20.85
	For Spring Activated Horizontal Mount Operation, Add	12.90	
	For Dynamic Damper, Add	30.96	
	For 3 Hour Rated, Add	17.20	
	For Cap Of Damper Blades Outside Air Stream, Add	14.34	
23 33 13 16-0034	EA 20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.03	23.21
	For Spring Activated Horizontal Mount Operation, Add	14.07	
	For Dynamic Damper, Add	33.77	
	For 3 Hour Rated, Add	18.76	
	For Cap Of Damper Blades Outside Air Stream, Add	15.64	
23 33 13 16-0035	EA 20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	144.20	25.43
	For Spring Activated Horizontal Mount Operation, Add	15.25	
	For Dynamic Damper, Add	36.59	
	For 3 Hour Rated, Add	20.33	
	For Cap Of Damper Blades Outside Air Stream, Add	16.94	
23 33 13 16-0036	EA 20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.60	27.80
	For Spring Activated Horizontal Mount Operation, Add	17.60	
	For Dynamic Damper, Add	42.23	
	For 3 Hour Rated, Add	23.46	
	For Cap Of Damper Blades Outside Air Stream, Add	19.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0037	EA		20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	172.44	30.02
			For Spring Activated Horizontal Mount Operation, Add	18.47	
			For Dynamic Damper, Add	44.34	
			For 3 Hour Rated, Add	24.63	
			For Cap Of Damper Blades Outside Air Stream, Add	20.53	
23 33 13 16-0038	EA		20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	183.29	32.38
			For Spring Activated Horizontal Mount Operation, Add	19.35	
			For Dynamic Damper, Add	46.45	
			For 3 Hour Rated, Add	25.81	
			For Cap Of Damper Blades Outside Air Stream, Add	21.51	
23 33 13 16-0039	EA		20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.44	34.74
			For Spring Activated Horizontal Mount Operation, Add	20.52	
			For Dynamic Damper, Add	49.26	
			For 3 Hour Rated, Add	27.37	
			For Cap Of Damper Blades Outside Air Stream, Add	22.81	
23 33 13 16-0040	EA		20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	207.59	36.97
			For Spring Activated Horizontal Mount Operation, Add	21.69	
			For Dynamic Damper, Add	52.07	
			For 3 Hour Rated, Add	28.93	
			For Cap Of Damper Blades Outside Air Stream, Add	24.11	
23 33 13 16-0041	EA		24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.64	23.21
			For Spring Activated Horizontal Mount Operation, Add	14.66	
			For Dynamic Damper, Add	35.18	
			For 3 Hour Rated, Add	19.55	
			For Cap Of Damper Blades Outside Air Stream, Add	16.29	
23 33 13 16-0042	EA		24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.42	25.43
			For Spring Activated Horizontal Mount Operation, Add	16.42	
			For Dynamic Damper, Add	39.41	
			For 3 Hour Rated, Add	21.89	
			For Cap Of Damper Blades Outside Air Stream, Add	18.25	
23 33 13 16-0043	EA		24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.60	27.80
			For Spring Activated Horizontal Mount Operation, Add	17.60	
			For Dynamic Damper, Add	42.23	
			For 3 Hour Rated, Add	23.46	
			For Cap Of Damper Blades Outside Air Stream, Add	19.55	
23 33 13 16-0044	EA		24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.35	30.02
			For Spring Activated Horizontal Mount Operation, Add	19.35	
			For Dynamic Damper, Add	46.45	
			For 3 Hour Rated, Add	25.81	
			For Cap Of Damper Blades Outside Air Stream, Add	21.51	
23 33 13 16-0045	EA		24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	187.19	32.38
			For Spring Activated Horizontal Mount Operation, Add	20.23	
			For Dynamic Damper, Add	48.56	
			For 3 Hour Rated, Add	26.98	
			For Cap Of Damper Blades Outside Air Stream, Add	22.48	
23 33 13 16-0046	EA		24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.05	34.74
			For Spring Activated Horizontal Mount Operation, Add	21.11	
			For Dynamic Damper, Add	50.67	
			For 3 Hour Rated, Add	28.15	
			For Cap Of Damper Blades Outside Air Stream, Add	23.46	
23 33 13 16-0047	EA		24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	212.81	36.97
			For Spring Activated Horizontal Mount Operation, Add	22.87	
			For Dynamic Damper, Add	54.89	
			For 3 Hour Rated, Add	30.49	
			For Cap Of Damper Blades Outside Air Stream, Add	25.41	
23 33 13 16-0048	EA		24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	234.53	41.69
			For Spring Activated Horizontal Mount Operation, Add	24.63	
			For Dynamic Damper, Add	59.11	
			For 3 Hour Rated, Add	32.84	
			For Cap Of Damper Blades Outside Air Stream, Add	27.37	
23 33 13 16-0049	EA		24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	258.87	46.27
			For Spring Activated Horizontal Mount Operation, Add	26.98	
			For Dynamic Damper, Add	64.75	
			For 3 Hour Rated, Add	35.97	
			For Cap Of Damper Blades Outside Air Stream, Add	29.98	
23 33 13 16-0050	EA		28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.42	25.43
			For Spring Activated Horizontal Mount Operation, Add	16.42	
			For Dynamic Damper, Add	39.41	
			For 3 Hour Rated, Add	21.89	
			For Cap Of Damper Blades Outside Air Stream, Add	18.25	
23 33 13 16-0051	EA		28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.60	27.80
			For Spring Activated Horizontal Mount Operation, Add	17.60	
			For Dynamic Damper, Add	42.23	
			For 3 Hour Rated, Add	23.46	
			For Cap Of Damper Blades Outside Air Stream, Add	19.55	
23 33 13 16-0052	EA		28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.35	30.02
			For Spring Activated Horizontal Mount Operation, Add	19.35	
			For Dynamic Damper, Add	46.45	
			For 3 Hour Rated, Add	25.81	
			For Cap Of Damper Blades Outside Air Stream, Add	21.51	
23 33 13 16-0053	EA		28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.49	32.38
			For Spring Activated Horizontal Mount Operation, Add	20.52	
			For Dynamic Damper, Add	49.26	
			For 3 Hour Rated, Add	27.37	
			For Cap Of Damper Blades Outside Air Stream, Add	22.81	
23 33 13 16-0054	EA		28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.96	34.74
			For Spring Activated Horizontal Mount Operation, Add	21.99	
			For Dynamic Damper, Add	52.78	
			For 3 Hour Rated, Add	29.32	
			For Cap Of Damper Blades Outside Air Stream, Add	24.44	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 16-0055	EA 28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.40	36.97
	For Spring Activated Horizontal Mount Operation, Add	23.45	
	For Dynamic Damper, Add	56.28	
	For 3 Hour Rated, Add	31.27	
	For Cap Of Damper Blades Outside Air Stream, Add	26.06	
23 33 13 16-0056	EA 28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	237.14	41.69
	For Spring Activated Horizontal Mount Operation, Add	25.22	
	For Dynamic Damper, Add	60.52	
	For 3 Hour Rated, Add	33.62	
	For Cap Of Damper Blades Outside Air Stream, Add	28.02	
23 33 13 16-0057	EA 28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	258.87	46.27
	For Spring Activated Horizontal Mount Operation, Add	26.98	
	For Dynamic Damper, Add	64.75	
	For 3 Hour Rated, Add	35.97	
	For Cap Of Damper Blades Outside Air Stream, Add	29.98	
23 33 13 16-0058	EA 28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	281.44	48.64
	For Spring Activated Horizontal Mount Operation, Add	30.49	
	For Dynamic Damper, Add	73.18	
	For 3 Hour Rated, Add	40.66	
	For Cap Of Damper Blades Outside Air Stream, Add	33.88	
23 33 13 16-0059	EA 28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	308.37	53.22
	For Spring Activated Horizontal Mount Operation, Add	33.43	
	For Dynamic Damper, Add	80.22	
	For 3 Hour Rated, Add	44.57	
	For Cap Of Damper Blades Outside Air Stream, Add	37.14	
23 33 13 16-0060	EA 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.41	27.80
	For Spring Activated Horizontal Mount Operation, Add	19.35	
	For Dynamic Damper, Add	46.45	
	For 3 Hour Rated, Add	25.81	
	For Cap Of Damper Blades Outside Air Stream, Add	21.51	
23 33 13 16-0061	EA 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	178.94	30.02
	For Spring Activated Horizontal Mount Operation, Add	19.94	
	For Dynamic Damper, Add	47.85	
	For 3 Hour Rated, Add	26.58	
	For Cap Of Damper Blades Outside Air Stream, Add	22.15	
23 33 13 16-0062	EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.49	32.38
	For Spring Activated Horizontal Mount Operation, Add	20.52	
	For Dynamic Damper, Add	49.26	
	For 3 Hour Rated, Add	27.37	
	For Cap Of Damper Blades Outside Air Stream, Add	22.81	
23 33 13 16-0063	EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	200.64	34.74
	For Spring Activated Horizontal Mount Operation, Add	21.69	
	For Dynamic Damper, Add	52.07	
	For 3 Hour Rated, Add	28.93	
	For Cap Of Damper Blades Outside Air Stream, Add	24.11	
23 33 13 16-0064	EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.90	36.97
	For Spring Activated Horizontal Mount Operation, Add	23.56	
	For Dynamic Damper, Add	56.55	
	For 3 Hour Rated, Add	31.42	
	For Cap Of Damper Blades Outside Air Stream, Add	26.18	
23 33 13 16-0065	EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	237.14	41.69
	For Spring Activated Horizontal Mount Operation, Add	25.22	
	For Dynamic Damper, Add	60.52	
	For 3 Hour Rated, Add	33.62	
	For Cap Of Damper Blades Outside Air Stream, Add	28.02	
23 33 13 16-0066	EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	261.48	46.27
	For Spring Activated Horizontal Mount Operation, Add	27.56	
	For Dynamic Damper, Add	66.16	
	For 3 Hour Rated, Add	36.75	
	For Cap Of Damper Blades Outside Air Stream, Add	30.63	
23 33 13 16-0067	EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	285.79	50.86
	For Spring Activated Horizontal Mount Operation, Add	29.91	
	For Dynamic Damper, Add	71.78	
	For 3 Hour Rated, Add	39.88	
	For Cap Of Damper Blades Outside Air Stream, Add	33.23	
23 33 13 16-0068	EA 32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	308.37	53.22
	For Spring Activated Horizontal Mount Operation, Add	33.43	
	For Dynamic Damper, Add	80.22	
	For 3 Hour Rated, Add	44.57	
	For Cap Of Damper Blades Outside Air Stream, Add	37.14	
23 33 13 16-0069	EA 32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	337.74	56.97
	For Spring Activated Horizontal Mount Operation, Add	37.53	
	For Dynamic Damper, Add	90.08	
	For 3 Hour Rated, Add	50.04	
	For Cap Of Damper Blades Outside Air Stream, Add	41.70	
23 33 13 16-0070	EA 32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	368.32	60.17
	For Spring Activated Horizontal Mount Operation, Add	42.22	
	For Dynamic Damper, Add	101.34	
	For 3 Hour Rated, Add	56.30	
	For Cap Of Damper Blades Outside Air Stream, Add	46.92	
23 33 13 16-0071	EA 36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	184.16	30.02
	For Spring Activated Horizontal Mount Operation, Add	21.11	
	For Dynamic Damper, Add	50.67	
	For 3 Hour Rated, Add	28.15	
	For Cap Of Damper Blades Outside Air Stream, Add	23.46	
23 33 13 16-0072	EA 36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	196.30	32.38
	For Spring Activated Horizontal Mount Operation, Add	22.28	
	For Dynamic Damper, Add	53.48	
	For 3 Hour Rated, Add	29.71	
	For Cap Of Damper Blades Outside Air Stream, Add	24.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0073	EA		36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.45	34.74
			For Spring Activated Horizontal Mount Operation, Add	23.45	
			For Dynamic Damper, Add	56.28	
			For 3 Hour Rated, Add	31.27	
			For Cap Of Damper Blades Outside Air Stream, Add	26.06	
23 33 13 16-0074	EA		36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	223.24	36.97
			For Spring Activated Horizontal Mount Operation, Add	25.22	
			For Dynamic Damper, Add	60.52	
			For 3 Hour Rated, Add	33.62	
			For Cap Of Damper Blades Outside Air Stream, Add	28.02	
23 33 13 16-0075	EA		36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	241.06	41.69
			For Spring Activated Horizontal Mount Operation, Add	26.10	
			For Dynamic Damper, Add	62.63	
			For 3 Hour Rated, Add	34.80	
			For Cap Of Damper Blades Outside Air Stream, Add	29.00	
23 33 13 16-0076	EA		36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	251.92	43.91
			For Spring Activated Horizontal Mount Operation, Add	26.98	
			For Dynamic Damper, Add	64.75	
			For 3 Hour Rated, Add	35.97	
			For Cap Of Damper Blades Outside Air Stream, Add	29.98	
23 33 13 16-0077	EA		36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	285.79	50.86
			For Spring Activated Horizontal Mount Operation, Add	29.91	
			For Dynamic Damper, Add	71.78	
			For 3 Hour Rated, Add	39.88	
			For Cap Of Damper Blades Outside Air Stream, Add	33.23	
23 33 13 16-0078	EA		36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	312.71	55.59
			For Spring Activated Horizontal Mount Operation, Add	32.84	
			For Dynamic Damper, Add	78.81	
			For 3 Hour Rated, Add	43.79	
			For Cap Of Damper Blades Outside Air Stream, Add	36.49	
23 33 13 16-0079	EA		36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	264.66	57.40
			For Spring Activated Horizontal Mount Operation, Add	20.78	
			For Dynamic Damper, Add	49.86	
			For 3 Hour Rated, Add	27.70	
			For Cap Of Damper Blades Outside Air Stream, Add	23.09	
23 33 13 16-0080	EA		36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	367.27	61.56
			For Spring Activated Horizontal Mount Operation, Add	41.05	
			For Dynamic Damper, Add	98.52	
			For 3 Hour Rated, Add	54.73	
			For Cap Of Damper Blades Outside Air Stream, Add	45.61	
23 33 13 16-0081	EA		36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	395.24	64.76
			For Spring Activated Horizontal Mount Operation, Add	45.15	
			For Dynamic Damper, Add	108.37	
			For 3 Hour Rated, Add	60.20	
			For Cap Of Damper Blades Outside Air Stream, Add	50.17	
23 33 13 16-0082	EA		36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	423.03	67.12
			For Spring Activated Horizontal Mount Operation, Add	49.84	
			For Dynamic Damper, Add	119.62	
			For 3 Hour Rated, Add	66.46	
			For Cap Of Damper Blades Outside Air Stream, Add	55.38	
23 33 13 16-0083	EA		40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	193.69	34.74
			For Spring Activated Horizontal Mount Operation, Add	21.69	
			For Dynamic Damper, Add	52.07	
			For 3 Hour Rated, Add	28.93	
			For Cap Of Damper Blades Outside Air Stream, Add	24.11	
23 33 13 16-0084	EA		40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	211.06	36.97
			For Spring Activated Horizontal Mount Operation, Add	24.04	
			For Dynamic Damper, Add	57.69	
			For 3 Hour Rated, Add	32.05	
			For Cap Of Damper Blades Outside Air Stream, Add	26.71	
23 33 13 16-0085	EA		40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	220.63	39.32
			For Spring Activated Horizontal Mount Operation, Add	24.63	
			For Dynamic Damper, Add	59.11	
			For 3 Hour Rated, Add	32.84	
			For Cap Of Damper Blades Outside Air Stream, Add	27.37	
23 33 13 16-0086	EA		40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	230.19	41.69
			For Spring Activated Horizontal Mount Operation, Add	25.22	
			For Dynamic Damper, Add	60.52	
			For 3 Hour Rated, Add	33.62	
			For Cap Of Damper Blades Outside Air Stream, Add	28.02	
23 33 13 16-0087	EA		40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	253.21	43.91
			For Spring Activated Horizontal Mount Operation, Add	27.27	
			For Dynamic Damper, Add	65.44	
			For 3 Hour Rated, Add	36.36	
			For Cap Of Damper Blades Outside Air Stream, Add	30.30	
23 33 13 16-0088	EA		40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	269.29	46.27
			For Spring Activated Horizontal Mount Operation, Add	29.32	
			For Dynamic Damper, Add	70.37	
			For 3 Hour Rated, Add	39.10	
			For Cap Of Damper Blades Outside Air Stream, Add	32.58	
23 33 13 16-0089	EA		40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	300.56	53.22
			For Spring Activated Horizontal Mount Operation, Add	31.67	
			For Dynamic Damper, Add	76.01	
			For 3 Hour Rated, Add	42.23	
			For Cap Of Damper Blades Outside Air Stream, Add	35.19	
23 33 13 16-0090	EA		40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	324.88	57.81
			For Spring Activated Horizontal Mount Operation, Add	34.01	
			For Dynamic Damper, Add	81.63	
			For 3 Hour Rated, Add	45.35	
			For Cap Of Damper Blades Outside Air Stream, Add	37.79	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	351.64	61.56
		For Spring Activated Horizontal Mount Operation, Add	37.53	
		For Dynamic Damper, Add	90.08	
		For 3 Hour Rated, Add	50.04	
		For Cap Of Damper Blades Outside Air Stream, Add	41.70	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	390.03	64.76
		For Spring Activated Horizontal Mount Operation, Add	43.98	
		For Dynamic Damper, Add	105.55	
		For 3 Hour Rated, Add	58.64	
		For Cap Of Damper Blades Outside Air Stream, Add	48.87	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	416.77	68.51
		For Spring Activated Horizontal Mount Operation, Add	47.50	
		For Dynamic Damper, Add	113.99	
		For 3 Hour Rated, Add	63.33	
		For Cap Of Damper Blades Outside Air Stream, Add	52.78	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	451.01	70.32
		For Spring Activated Horizontal Mount Operation, Add	53.95	
		For Dynamic Damper, Add	129.48	
		For 3 Hour Rated, Add	71.93	
		For Cap Of Damper Blades Outside Air Stream, Add	59.95	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	488.20	74.07
		For Spring Activated Horizontal Mount Operation, Add	59.82	
		For Dynamic Damper, Add	143.56	
		For 3 Hour Rated, Add	79.76	
		For Cap Of Damper Blades Outside Air Stream, Add	66.46	
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	205.86	34.74
		For Spring Activated Horizontal Mount Operation, Add	22.87	
		For Dynamic Damper, Add	54.89	
		For 3 Hour Rated, Add	30.49	
		For Cap Of Damper Blades Outside Air Stream, Add	25.41	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	223.24	36.97
		For Spring Activated Horizontal Mount Operation, Add	25.22	
		For Dynamic Damper, Add	60.52	
		For 3 Hour Rated, Add	33.62	
		For Cap Of Damper Blades Outside Air Stream, Add	28.02	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	238.02	39.32
		For Spring Activated Horizontal Mount Operation, Add	26.98	
		For Dynamic Damper, Add	64.75	
		For 3 Hour Rated, Add	35.97	
		For Cap Of Damper Blades Outside Air Stream, Add	29.98	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	247.58	41.69
		For Spring Activated Horizontal Mount Operation, Add	27.56	
		For Dynamic Damper, Add	66.16	
		For 3 Hour Rated, Add	36.75	
		For Cap Of Damper Blades Outside Air Stream, Add	30.63	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	264.95	43.91
		For Spring Activated Horizontal Mount Operation, Add	29.91	
		For Dynamic Damper, Add	71.78	
		For 3 Hour Rated, Add	39.88	
		For Cap Of Damper Blades Outside Air Stream, Add	33.23	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	282.33	46.27
		For Spring Activated Horizontal Mount Operation, Add	32.26	
		For Dynamic Damper, Add	77.41	
		For 3 Hour Rated, Add	43.01	
		For Cap Of Damper Blades Outside Air Stream, Add	35.84	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	323.15	55.59
		For Spring Activated Horizontal Mount Operation, Add	35.19	
		For Dynamic Damper, Add	84.45	
		For 3 Hour Rated, Add	46.92	
		For Cap Of Damper Blades Outside Air Stream, Add	39.10	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	350.06	60.17
		For Spring Activated Horizontal Mount Operation, Add	38.12	
		For Dynamic Damper, Add	91.48	
		For 3 Hour Rated, Add	50.82	
		For Cap Of Damper Blades Outside Air Stream, Add	42.35	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	390.03	64.76
		For Spring Activated Horizontal Mount Operation, Add	43.98	
		For Dynamic Damper, Add	105.55	
		For 3 Hour Rated, Add	58.64	
		For Cap Of Damper Blades Outside Air Stream, Add	48.87	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	427.39	69.49
		For Spring Activated Horizontal Mount Operation, Add	49.26	
		For Dynamic Damper, Add	118.22	
		For 3 Hour Rated, Add	65.68	
		For Cap Of Damper Blades Outside Air Stream, Add	54.73	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	467.33	74.07
		For Spring Activated Horizontal Mount Operation, Add	55.12	
		For Dynamic Damper, Add	132.29	
		For 3 Hour Rated, Add	73.49	
		For Cap Of Damper Blades Outside Air Stream, Add	61.25	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	497.74	76.29
		For Spring Activated Horizontal Mount Operation, Add	60.40	
		For Dynamic Damper, Add	144.96	
		For 3 Hour Rated, Add	80.53	
		For Cap Of Damper Blades Outside Air Stream, Add	67.11	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	528.14	78.66
		For Spring Activated Horizontal Mount Operation, Add	65.68	
		For Dynamic Damper, Add	157.62	
		For 3 Hour Rated, Add	87.57	
		For Cap Of Damper Blades Outside Air Stream, Add	72.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0109	EA	44" x 44"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	558.57	81.02
			For Spring Activated Horizontal Mount Operation, Add	70.96	
			For Dynamic Damper, Add	170.30	
			For 3 Hour Rated, Add	94.61	
			For Cap Of Damper Blades Outside Air Stream, Add	78.84	
23 33 13 16-0110	EA	48" x 6"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	220.63	36.97
			For Spring Activated Horizontal Mount Operation, Add	24.63	
			For Dynamic Damper, Add	59.11	
			For 3 Hour Rated, Add	32.84	
			For Cap Of Damper Blades Outside Air Stream, Add	27.37	
23 33 13 16-0111	EA	48" x 8"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	238.02	39.32
			For Spring Activated Horizontal Mount Operation, Add	26.98	
			For Dynamic Damper, Add	64.75	
			For 3 Hour Rated, Add	35.97	
			For Cap Of Damper Blades Outside Air Stream, Add	29.98	
23 33 13 16-0112	EA	48" x 10"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	247.58	41.69
			For Spring Activated Horizontal Mount Operation, Add	27.56	
			For Dynamic Damper, Add	66.16	
			For 3 Hour Rated, Add	36.75	
			For Cap Of Damper Blades Outside Air Stream, Add	30.63	
23 33 13 16-0113	EA	48" x 12"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	269.29	46.27
			For Spring Activated Horizontal Mount Operation, Add	29.32	
			For Dynamic Damper, Add	70.37	
			For 3 Hour Rated, Add	39.10	
			For Cap Of Damper Blades Outside Air Stream, Add	32.58	
23 33 13 16-0114	EA	48" x 14"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	293.61	50.86
			For Spring Activated Horizontal Mount Operation, Add	31.67	
			For Dynamic Damper, Add	76.01	
			For 3 Hour Rated, Add	42.23	
			For Cap Of Damper Blades Outside Air Stream, Add	35.19	
23 33 13 16-0115	EA	48" x 16"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	317.93	55.59
			For Spring Activated Horizontal Mount Operation, Add	34.01	
			For Dynamic Damper, Add	81.63	
			For 3 Hour Rated, Add	45.35	
			For Cap Of Damper Blades Outside Air Stream, Add	37.79	
23 33 13 16-0116	EA	48" x 18"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	347.47	60.17
			For Spring Activated Horizontal Mount Operation, Add	37.53	
			For Dynamic Damper, Add	90.08	
			For 3 Hour Rated, Add	50.04	
			For Cap Of Damper Blades Outside Air Stream, Add	41.70	
23 33 13 16-0117	EA	48" x 20"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	377.00	64.76
			For Spring Activated Horizontal Mount Operation, Add	41.05	
			For Dynamic Damper, Add	98.52	
			For 3 Hour Rated, Add	54.73	
			For Cap Of Damper Blades Outside Air Stream, Add	45.61	
23 33 13 16-0118	EA	48" x 24"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	414.36	69.49
			For Spring Activated Horizontal Mount Operation, Add	46.33	
			For Dynamic Damper, Add	111.19	
			For 3 Hour Rated, Add	61.77	
			For Cap Of Damper Blades Outside Air Stream, Add	51.48	
23 33 13 16-0119	EA	48" x 28"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	456.91	74.07
			For Spring Activated Horizontal Mount Operation, Add	52.78	
			For Dynamic Damper, Add	126.66	
			For 3 Hour Rated, Add	70.37	
			For Cap Of Damper Blades Outside Air Stream, Add	58.64	
23 33 13 16-0120	EA	48" x 32"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	487.33	76.29
			For Spring Activated Horizontal Mount Operation, Add	58.06	
			For Dynamic Damper, Add	139.34	
			For 3 Hour Rated, Add	77.41	
			For Cap Of Damper Blades Outside Air Stream, Add	64.51	
23 33 13 16-0121	EA	48" x 36"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	525.53	78.66
			For Spring Activated Horizontal Mount Operation, Add	65.09	
			For Dynamic Damper, Add	156.21	
			For 3 Hour Rated, Add	86.78	
			For Cap Of Damper Blades Outside Air Stream, Add	72.32	
23 33 13 16-0122	EA	48" x 40"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	562.91	83.24
			For Spring Activated Horizontal Mount Operation, Add	70.37	
			For Dynamic Damper, Add	168.89	
			For 3 Hour Rated, Add	93.83	
			For Cap Of Damper Blades Outside Air Stream, Add	78.19	
23 33 13 16-0123	EA	48" x 44"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	601.13	85.61
			For Spring Activated Horizontal Mount Operation, Add	77.41	
			For Dynamic Damper, Add	185.78	
			For 3 Hour Rated, Add	103.21	
			For Cap Of Damper Blades Outside Air Stream, Add	86.01	
23 33 13 16-0124	EA	48" x 48"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	642.81	92.56
			For Spring Activated Horizontal Mount Operation, Add	82.10	
			For Dynamic Damper, Add	197.04	
			For 3 Hour Rated, Add	109.46	
			For Cap Of Damper Blades Outside Air Stream, Add	91.22	
23 33 13 16-0125	EA	52" x 6"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.41	39.32
			For Spring Activated Horizontal Mount Operation, Add	26.39	
			For Dynamic Damper, Add	63.34	
			For 3 Hour Rated, Add	35.19	
			For Cap Of Damper Blades Outside Air Stream, Add	29.32	
23 33 13 16-0126	EA	52" x 8"	Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	252.78	41.69
			For Spring Activated Horizontal Mount Operation, Add	28.73	
			For Dynamic Damper, Add	68.96	
			For 3 Hour Rated, Add	38.31	
			For Cap Of Damper Blades Outside Air Stream, Add	31.93	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0127	EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	277.10	46.27
	For Spring Activated Horizontal Mount Operation, Add	31.08	
	For Dynamic Damper, Add	74.59	
	For 3 Hour Rated, Add	41.44	
	For Cap Of Damper Blades Outside Air Stream, Add	34.53	
23 33 13 16-0128	EA 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	293.61	50.86
	For Spring Activated Horizontal Mount Operation, Add	31.67	
	For Dynamic Damper, Add	76.01	
	For 3 Hour Rated, Add	42.23	
	For Cap Of Damper Blades Outside Air Stream, Add	35.19	
23 33 13 16-0129	EA 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	319.24	55.59
	For Spring Activated Horizontal Mount Operation, Add	34.31	
	For Dynamic Damper, Add	82.34	
	For 3 Hour Rated, Add	45.74	
	For Cap Of Damper Blades Outside Air Stream, Add	38.12	
23 33 13 16-0130	EA 52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	344.86	60.17
	For Spring Activated Horizontal Mount Operation, Add	36.95	
	For Dynamic Damper, Add	88.67	
	For 3 Hour Rated, Add	49.26	
	For Cap Of Damper Blades Outside Air Stream, Add	41.05	
23 33 13 16-0131	EA 52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	374.41	64.76
	For Spring Activated Horizontal Mount Operation, Add	40.47	
	For Dynamic Damper, Add	97.12	
	For 3 Hour Rated, Add	53.96	
	For Cap Of Damper Blades Outside Air Stream, Add	44.96	
23 33 13 16-0132	EA 52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	403.93	69.49
	For Spring Activated Horizontal Mount Operation, Add	43.98	
	For Dynamic Damper, Add	105.55	
	For 3 Hour Rated, Add	58.64	
	For Cap Of Damper Blades Outside Air Stream, Add	48.87	
23 33 13 16-0133	EA 52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	441.28	74.07
	For Spring Activated Horizontal Mount Operation, Add	49.26	
	For Dynamic Damper, Add	118.22	
	For 3 Hour Rated, Add	65.68	
	For Cap Of Damper Blades Outside Air Stream, Add	54.73	
23 33 13 16-0134	EA 52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	486.45	78.66
	For Spring Activated Horizontal Mount Operation, Add	56.30	
	For Dynamic Damper, Add	135.11	
	For 3 Hour Rated, Add	75.06	
	For Cap Of Damper Blades Outside Air Stream, Add	62.55	
23 33 13 16-0135	EA 52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	519.45	81.02
	For Spring Activated Horizontal Mount Operation, Add	62.16	
	For Dynamic Damper, Add	149.18	
	For 3 Hour Rated, Add	82.88	
	For Cap Of Damper Blades Outside Air Stream, Add	69.06	
23 33 13 16-0136	EA 52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	560.30	83.24
	For Spring Activated Horizontal Mount Operation, Add	69.78	
	For Dynamic Damper, Add	167.48	
	For 3 Hour Rated, Add	93.05	
	For Cap Of Damper Blades Outside Air Stream, Add	77.54	
23 33 13 16-0137	EA 52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	605.45	87.97
	For Spring Activated Horizontal Mount Operation, Add	76.82	
	For Dynamic Damper, Add	184.36	
	For 3 Hour Rated, Add	102.42	
	For Cap Of Damper Blades Outside Air Stream, Add	85.35	
23 33 13 16-0138	EA 52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	642.81	92.56
	For Spring Activated Horizontal Mount Operation, Add	82.10	
	For Dynamic Damper, Add	197.04	
	For 3 Hour Rated, Add	109.46	
	For Cap Of Damper Blades Outside Air Stream, Add	91.22	
23 33 13 16-0139	EA 52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	694.93	99.50
	For Spring Activated Horizontal Mount Operation, Add	89.13	
	For Dynamic Damper, Add	213.92	
	For 3 Hour Rated, Add	118.85	
	For Cap Of Damper Blades Outside Air Stream, Add	99.04	
23 33 13 16-0140	EA 52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	734.90	104.08
	For Spring Activated Horizontal Mount Operation, Add	95.00	
	For Dynamic Damper, Add	228.00	
	For 3 Hour Rated, Add	126.67	
	For Cap Of Damper Blades Outside Air Stream, Add	105.56	
23 33 13 16-0141	EA 56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	247.58	41.69
	For Spring Activated Horizontal Mount Operation, Add	27.56	
	For Dynamic Damper, Add	66.16	
	For 3 Hour Rated, Add	36.75	
	For Cap Of Damper Blades Outside Air Stream, Add	30.63	
23 33 13 16-0142	EA 56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	274.49	46.27
	For Spring Activated Horizontal Mount Operation, Add	30.49	
	For Dynamic Damper, Add	73.18	
	For 3 Hour Rated, Add	40.66	
	For Cap Of Damper Blades Outside Air Stream, Add	33.88	
23 33 13 16-0143	EA 56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	296.22	50.86
	For Spring Activated Horizontal Mount Operation, Add	32.26	
	For Dynamic Damper, Add	77.41	
	For 3 Hour Rated, Add	43.01	
	For Cap Of Damper Blades Outside Air Stream, Add	35.84	
23 33 13 16-0144	EA 56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	312.71	55.59
	For Spring Activated Horizontal Mount Operation, Add	32.84	
	For Dynamic Damper, Add	78.81	
	For 3 Hour Rated, Add	43.79	
	For Cap Of Damper Blades Outside Air Stream, Add	36.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	340.96	60.17	
		For Spring Activated Horizontal Mount Operation, Add	36.07		
		For Dynamic Damper, Add	86.56		
		For 3 Hour Rated, Add	48.09		
		For Cap Of Damper Blades Outside Air Stream, Add	40.08		
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	369.19	64.76	
		For Spring Activated Horizontal Mount Operation, Add	39.29		
		For Dynamic Damper, Add	94.30		
		For 3 Hour Rated, Add	52.39		
		For Cap Of Damper Blades Outside Air Stream, Add	43.66		
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	397.42	69.49	
		For Spring Activated Horizontal Mount Operation, Add	42.52		
		For Dynamic Damper, Add	102.04		
		For 3 Hour Rated, Add	56.69		
		For Cap Of Damper Blades Outside Air Stream, Add	47.24		
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	425.64	74.07	
		For Spring Activated Horizontal Mount Operation, Add	45.74		
		For Dynamic Damper, Add	109.78		
		For 3 Hour Rated, Add	60.99		
		For Cap Of Damper Blades Outside Air Stream, Add	50.82		
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	470.81	78.66	
		For Spring Activated Horizontal Mount Operation, Add	52.78		
		For Dynamic Damper, Add	126.66		
		For 3 Hour Rated, Add	70.37		
		For Cap Of Damper Blades Outside Air Stream, Add	58.64		
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	509.05	81.02	
		For Spring Activated Horizontal Mount Operation, Add	59.82		
		For Dynamic Damper, Add	143.56		
		For 3 Hour Rated, Add	79.76		
		For Cap Of Damper Blades Outside Air Stream, Add	66.46		
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	544.66	83.24	
		For Spring Activated Horizontal Mount Operation, Add	66.26		
		For Dynamic Damper, Add	159.04		
		For 3 Hour Rated, Add	88.35		
		For Cap Of Damper Blades Outside Air Stream, Add	73.63		
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	595.05	87.97	
		For Spring Activated Horizontal Mount Operation, Add	74.48		
		For Dynamic Damper, Add	178.74		
		For 3 Hour Rated, Add	99.30		
		For Cap Of Damper Blades Outside Air Stream, Add	82.75		
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	640.20	92.56	
		For Spring Activated Horizontal Mount Operation, Add	81.51		
		For Dynamic Damper, Add	195.63		
		For 3 Hour Rated, Add	108.68		
		For Cap Of Damper Blades Outside Air Stream, Add	90.57		
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	687.98	97.14	
		For Spring Activated Horizontal Mount Operation, Add	89.13		
		For Dynamic Damper, Add	213.92		
		For 3 Hour Rated, Add	118.85		
		For Cap Of Damper Blades Outside Air Stream, Add	99.04		
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	727.95	101.86	
		For Spring Activated Horizontal Mount Operation, Add	95.00		
		For Dynamic Damper, Add	228.00		
		For 3 Hour Rated, Add	126.67		
		For Cap Of Damper Blades Outside Air Stream, Add	105.56		
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	775.73	106.45	
		For Spring Activated Horizontal Mount Operation, Add	102.62		
		For Dynamic Damper, Add	246.29		
		For 3 Hour Rated, Add	136.83		
		For Cap Of Damper Blades Outside Air Stream, Add	114.03		
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	823.51	111.03	
		For Spring Activated Horizontal Mount Operation, Add	110.25		
		For Dynamic Damper, Add	264.59		
		For 3 Hour Rated, Add	146.99		
		For Cap Of Damper Blades Outside Air Stream, Add	122.50		
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	269.29	46.27	
		For Spring Activated Horizontal Mount Operation, Add	29.32		
		For Dynamic Damper, Add	70.37		
		For 3 Hour Rated, Add	39.10		
		For Cap Of Damper Blades Outside Air Stream, Add	32.58		
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	296.22	50.86	
		For Spring Activated Horizontal Mount Operation, Add	32.26		
		For Dynamic Damper, Add	77.41		
		For 3 Hour Rated, Add	43.01		
		For Cap Of Damper Blades Outside Air Stream, Add	35.84		
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	315.32	55.59	
		For Spring Activated Horizontal Mount Operation, Add	33.43		
		For Dynamic Damper, Add	80.22		
		For 3 Hour Rated, Add	44.57		
		For Cap Of Damper Blades Outside Air Stream, Add	37.14		
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	331.83	60.17	
		For Spring Activated Horizontal Mount Operation, Add	34.01		
		For Dynamic Damper, Add	81.63		
		For 3 Hour Rated, Add	45.35		
		For Cap Of Damper Blades Outside Air Stream, Add	37.79		
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	361.37	64.76	
		For Spring Activated Horizontal Mount Operation, Add	37.53		
		For Dynamic Damper, Add	90.08		
		For 3 Hour Rated, Add	50.04		
		For Cap Of Damper Blades Outside Air Stream, Add	41.70		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 33 13 16-0163	EA 60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	390.90		69.49
	For Spring Activated Horizontal Mount Operation, Add	41.05		
	For Dynamic Damper, Add	98.52		
	For 3 Hour Rated, Add	54.73		
	For Cap Of Damper Blades Outside Air Stream, Add	45.61		
23 33 13 16-0164	EA 60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	421.73		74.07
	For Spring Activated Horizontal Mount Operation, Add	44.86		
	For Dynamic Damper, Add	107.67		
	For 3 Hour Rated, Add	59.81		
	For Cap Of Damper Blades Outside Air Stream, Add	49.85		
23 33 13 16-0165	EA 60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	452.57		78.66
	For Spring Activated Horizontal Mount Operation, Add	48.67		
	For Dynamic Damper, Add	116.81		
	For 3 Hour Rated, Add	64.90		
	For Cap Of Damper Blades Outside Air Stream, Add	54.08		
23 33 13 16-0166	EA 60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	493.40		81.02
	For Spring Activated Horizontal Mount Operation, Add	56.30		
	For Dynamic Damper, Add	135.11		
	For 3 Hour Rated, Add	75.06		
	For Cap Of Damper Blades Outside Air Stream, Add	62.55		
23 33 13 16-0167	EA 60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	531.62		83.24
	For Spring Activated Horizontal Mount Operation, Add	63.33		
	For Dynamic Damper, Add	151.99		
	For 3 Hour Rated, Add	84.44		
	For Cap Of Damper Blades Outside Air Stream, Add	70.37		
23 33 13 16-0168	EA 60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	579.42		87.97
	For Spring Activated Horizontal Mount Operation, Add	70.96		
	For Dynamic Damper, Add	170.30		
	For 3 Hour Rated, Add	94.61		
	For Cap Of Damper Blades Outside Air Stream, Add	78.84		
23 33 13 16-0169	EA 60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	627.18		92.56
	For Spring Activated Horizontal Mount Operation, Add	78.58		
	For Dynamic Damper, Add	188.60		
	For 3 Hour Rated, Add	104.78		
	For Cap Of Damper Blades Outside Air Stream, Add	87.31		
23 33 13 16-0170	EA 60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	667.13		97.14
	For Spring Activated Horizontal Mount Operation, Add	84.44		
	For Dynamic Damper, Add	202.66		
	For 3 Hour Rated, Add	112.59		
	For Cap Of Damper Blades Outside Air Stream, Add	93.83		
23 33 13 16-0171	EA 60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	722.73		101.86
	For Spring Activated Horizontal Mount Operation, Add	93.83		
	For Dynamic Damper, Add	225.18		
	For 3 Hour Rated, Add	125.10		
	For Cap Of Damper Blades Outside Air Stream, Add	104.25		
23 33 13 16-0172	EA 60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	773.12		106.45
	For Spring Activated Horizontal Mount Operation, Add	102.04		
	For Dynamic Damper, Add	244.88		
	For 3 Hour Rated, Add	136.05		
	For Cap Of Damper Blades Outside Air Stream, Add	113.37		
23 33 13 16-0173	EA 60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	823.51		111.03
	For Spring Activated Horizontal Mount Operation, Add	110.25		
	For Dynamic Damper, Add	264.59		
	For 3 Hour Rated, Add	146.99		
	For Cap Of Damper Blades Outside Air Stream, Add	122.50		
23 33 13 16-0174	EA 60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	868.65		115.76
	For Spring Activated Horizontal Mount Operation, Add	117.28		
	For Dynamic Damper, Add	281.46		
	For 3 Hour Rated, Add	156.37		
	For Cap Of Damper Blades Outside Air Stream, Add	130.31		
23 33 13 16-0175	EA 60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	913.86		120.35
	For Spring Activated Horizontal Mount Operation, Add	124.32		
	For Dynamic Damper, Add	298.37		
	For 3 Hour Rated, Add	165.76		
	For Cap Of Damper Blades Outside Air Stream, Add	138.14		
23 33 13 16-0176	Parallel Blade Louver Fire Damper (23 33 13 16) Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.			
23 33 13 16-0177	EA 6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.78		15.43
	For Spring Activated Horizontal Mount Operation, Add	16.99		
	For Dynamic Damper, Add	40.78		
	For 3 Hour Rated, Add	22.65		
23 33 13 16-0178	EA 8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.11		16.12
	For Spring Activated Horizontal Mount Operation, Add	17.72		
	For Dynamic Damper, Add	42.52		
	For 3 Hour Rated, Add	23.62		
23 33 13 16-0179	EA 8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.65		16.26
	For Spring Activated Horizontal Mount Operation, Add	18.45		
	For Dynamic Damper, Add	44.29		
	For 3 Hour Rated, Add	24.60		
23 33 13 16-0180	EA 10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.65		16.26
	For Spring Activated Horizontal Mount Operation, Add	18.45		
	For Dynamic Damper, Add	44.29		
	For 3 Hour Rated, Add	24.60		
23 33 13 16-0181	EA 10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.31		16.68
	For Spring Activated Horizontal Mount Operation, Add	19.19		
	For Dynamic Damper, Add	46.05		
	For 3 Hour Rated, Add	25.58		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	147.37 20.65 49.56 27.53	18.49
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	135.31 19.19 46.05 25.58	16.68
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	144.59 20.65 49.56 27.53	17.65
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	150.64 21.39 51.33 28.52	18.49
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	160.85 22.12 53.09 29.49	20.85
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	142.97 20.29 48.69 27.05	17.65
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	150.64 21.39 51.33 28.52	18.49
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	156.67 22.12 53.09 29.49	19.45
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	164.10 22.85 54.84 30.47	20.85
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	179.20 24.68 59.24 32.91	23.21
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	188.34 29.87 71.69 39.83	18.49
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	196.16 30.69 73.66 40.92	19.87
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	205.38 31.52 75.64 42.02	21.81
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	213.19 32.33 77.60 43.11	23.21
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	229.28 34.39 82.53 45.85	25.43
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	245.36 36.44 87.46 48.59	27.80
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	194.76 30.69 73.66 40.92	19.45
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	204.42 31.92 76.62 42.56	20.85
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	216.87 33.16 79.59 44.21	23.21
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	232.93 35.21 84.50 46.95	25.43
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	247.17 36.85 88.44 49.13	27.80
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	263.24 38.90 93.37 51.87	30.02

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	275.64	32.38
		For Spring Activated Horizontal Mount Operation, Add	40.13	
		For Dynamic Damper, Add	96.32	
		For 3 Hour Rated, Add	53.51	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.61	20.85
		For Spring Activated Horizontal Mount Operation, Add	31.52	
		For Dynamic Damper, Add	75.64	
		For 3 Hour Rated, Add	42.02	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.83	23.21
		For Spring Activated Horizontal Mount Operation, Add	33.15	
		For Dynamic Damper, Add	79.56	
		For 3 Hour Rated, Add	44.20	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.10	25.43
		For Spring Activated Horizontal Mount Operation, Add	34.80	
		For Dynamic Damper, Add	83.52	
		For 3 Hour Rated, Add	46.40	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.68	27.80
		For Spring Activated Horizontal Mount Operation, Add	38.09	
		For Dynamic Damper, Add	91.42	
		For 3 Hour Rated, Add	50.79	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	265.08	30.02
		For Spring Activated Horizontal Mount Operation, Add	39.32	
		For Dynamic Damper, Add	94.37	
		For 3 Hour Rated, Add	52.43	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.48	32.38
		For Spring Activated Horizontal Mount Operation, Add	40.55	
		For Dynamic Damper, Add	97.31	
		For 3 Hour Rated, Add	54.06	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.72	34.74
		For Spring Activated Horizontal Mount Operation, Add	42.19	
		For Dynamic Damper, Add	101.25	
		For 3 Hour Rated, Add	56.25	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.95	36.97
		For Spring Activated Horizontal Mount Operation, Add	43.83	
		For Dynamic Damper, Add	105.18	
		For 3 Hour Rated, Add	58.43	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.39	23.21
		For Spring Activated Horizontal Mount Operation, Add	40.70	
		For Dynamic Damper, Add	97.69	
		For 3 Hour Rated, Add	54.27	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.31	25.43
		For Spring Activated Horizontal Mount Operation, Add	43.17	
		For Dynamic Damper, Add	103.61	
		For 3 Hour Rated, Add	57.56	
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.57	27.80
		For Spring Activated Horizontal Mount Operation, Add	44.82	
		For Dynamic Damper, Add	107.56	
		For 3 Hour Rated, Add	59.75	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.43	30.02
		For Spring Activated Horizontal Mount Operation, Add	47.27	
		For Dynamic Damper, Add	113.45	
		For 3 Hour Rated, Add	63.03	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	312.85	32.38
		For Spring Activated Horizontal Mount Operation, Add	48.51	
		For Dynamic Damper, Add	116.41	
		For 3 Hour Rated, Add	64.67	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.26	34.74
		For Spring Activated Horizontal Mount Operation, Add	49.73	
		For Dynamic Damper, Add	119.36	
		For 3 Hour Rated, Add	66.31	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	343.16	36.97
		For Spring Activated Horizontal Mount Operation, Add	52.20	
		For Dynamic Damper, Add	125.27	
		For 3 Hour Rated, Add	69.60	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	368.00	41.69
		For Spring Activated Horizontal Mount Operation, Add	54.66	
		For Dynamic Damper, Add	131.18	
		For 3 Hour Rated, Add	72.88	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.51	46.27
		For Spring Activated Horizontal Mount Operation, Add	57.95	
		For Dynamic Damper, Add	139.07	
		For 3 Hour Rated, Add	77.26	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.31	25.43
		For Spring Activated Horizontal Mount Operation, Add	43.17	
		For Dynamic Damper, Add	103.61	
		For 3 Hour Rated, Add	57.56	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.57	27.80
		For Spring Activated Horizontal Mount Operation, Add	44.82	
		For Dynamic Damper, Add	107.56	
		For 3 Hour Rated, Add	59.75	
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.43	30.02
		For Spring Activated Horizontal Mount Operation, Add	47.27	
		For Dynamic Damper, Add	113.45	
		For 3 Hour Rated, Add	63.03	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.67	32.38
		For Spring Activated Horizontal Mount Operation, Add	48.92	
		For Dynamic Damper, Add	117.40	
		For 3 Hour Rated, Add	65.22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0226 EA 28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	330.74 50.97 122.32 67.96	34.74
23 33 13 16-0227 EA 28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	346.78 53.01 127.23 70.68	36.97
23 33 13 16-0228 EA 28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	371.64 55.48 133.15 73.97	41.69
23 33 13 16-0229 EA 28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	396.51 57.95 139.07 77.26	46.27
23 33 13 16-0230 EA 28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	425.34 62.87 150.89 83.83	48.64
23 33 13 16-0231 EA 28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	457.48 66.98 160.74 89.30	53.22
23 33 13 16-0232 EA 32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	293.49 47.27 113.45 63.03	27.80
23 33 13 16-0233 EA 32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	304.06 48.09 115.41 64.12	30.02
23 33 13 16-0234 EA 32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	314.67 48.92 117.40 65.22	32.38
23 33 13 16-0235 EA 32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	328.89 50.55 121.32 67.40	34.74
23 33 13 16-0236 EA 32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	347.48 53.17 127.61 70.89	36.97
23 33 13 16-0237 EA 32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	371.64 55.48 133.15 73.97	41.69
23 33 13 16-0238 EA 32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	400.17 58.77 141.05 78.36	46.27
23 33 13 16-0239 EA 32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	428.65 62.05 148.93 82.74	50.86
23 33 13 16-0240 EA 32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	457.48 66.98 160.74 89.30	53.22
23 33 13 16-0241 EA 32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	494.15 72.72 174.54 96.97	56.97
23 33 13 16-0242 EA 32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	533.06 79.29 190.30 105.72	60.17
23 33 13 16-0243 EA 36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	330.15 53.96 129.50 71.95	30.02
23 33 13 16-0244 EA 36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	345.40 55.83 133.99 74.44	32.38
23 33 13 16-0245 EA 36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	360.68 57.70 138.49 76.94	34.74
23 33 13 16-0246 EA 36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	380.17 60.53 145.26 80.70	36.97
23 33 13 16-0247 EA 36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated For Spring Activated Horizontal Mount Operation, Add For Dynamic Damper, Add For 3 Hour Rated, Add	400.34 61.94 148.65 82.58	41.69

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.55	43.91
		For Spring Activated Horizontal Mount Operation, Add	63.34	
		For Dynamic Damper, Add	152.03	
		For 3 Hour Rated, Add	84.46	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.24	50.86
		For Spring Activated Horizontal Mount Operation, Add	68.04	
		For Dynamic Damper, Add	163.29	
		For 3 Hour Rated, Add	90.71	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.96	55.59
		For Spring Activated Horizontal Mount Operation, Add	72.72	
		For Dynamic Damper, Add	174.53	
		For 3 Hour Rated, Add	96.96	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.56	57.40
		For Spring Activated Horizontal Mount Operation, Add	78.35	
		For Dynamic Damper, Add	188.05	
		For 3 Hour Rated, Add	104.47	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	566.41	61.56
		For Spring Activated Horizontal Mount Operation, Add	85.86	
		For Dynamic Damper, Add	206.05	
		For 3 Hour Rated, Add	114.47	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	605.32	64.76
		For Spring Activated Horizontal Mount Operation, Add	92.42	
		For Dynamic Damper, Add	221.81	
		For 3 Hour Rated, Add	123.23	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	645.63	67.12
		For Spring Activated Horizontal Mount Operation, Add	99.93	
		For Dynamic Damper, Add	239.82	
		For 3 Hour Rated, Add	133.24	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.13	34.74
		For Spring Activated Horizontal Mount Operation, Add	61.62	
		For Dynamic Damper, Add	147.88	
		For 3 Hour Rated, Add	82.16	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.76	36.97
		For Spring Activated Horizontal Mount Operation, Add	65.37	
		For Dynamic Damper, Add	156.89	
		For 3 Hour Rated, Add	87.16	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.87	39.32
		For Spring Activated Horizontal Mount Operation, Add	66.31	
		For Dynamic Damper, Add	159.14	
		For 3 Hour Rated, Add	88.41	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	417.01	41.69
		For Spring Activated Horizontal Mount Operation, Add	67.25	
		For Dynamic Damper, Add	161.40	
		For 3 Hour Rated, Add	89.67	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.52	43.91
		For Spring Activated Horizontal Mount Operation, Add	70.54	
		For Dynamic Damper, Add	169.29	
		For 3 Hour Rated, Add	94.05	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.06	46.27
		For Spring Activated Horizontal Mount Operation, Add	73.82	
		For Dynamic Damper, Add	177.17	
		For 3 Hour Rated, Add	98.43	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	504.58	53.22
		For Spring Activated Horizontal Mount Operation, Add	77.57	
		For Dynamic Damper, Add	186.18	
		For 3 Hour Rated, Add	103.43	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.16	57.81
		For Spring Activated Horizontal Mount Operation, Add	81.33	
		For Dynamic Damper, Add	195.18	
		For 3 Hour Rated, Add	108.44	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	571.31	61.56
		For Spring Activated Horizontal Mount Operation, Add	86.96	
		For Dynamic Damper, Add	208.70	
		For 3 Hour Rated, Add	115.94	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.90	64.76
		For Spring Activated Horizontal Mount Operation, Add	97.28	
		For Dynamic Damper, Add	233.46	
		For 3 Hour Rated, Add	129.70	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	663.00	68.51
		For Spring Activated Horizontal Mount Operation, Add	102.90	
		For Dynamic Damper, Add	246.96	
		For 3 Hour Rated, Add	137.20	
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	714.46	70.32
		For Spring Activated Horizontal Mount Operation, Add	113.23	
		For Dynamic Damper, Add	271.74	
		For 3 Hour Rated, Add	150.97	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	767.28	74.07
		For Spring Activated Horizontal Mount Operation, Add	122.61	
		For Dynamic Damper, Add	294.26	
		For 3 Hour Rated, Add	163.48	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	386.43	34.74
		For Spring Activated Horizontal Mount Operation, Add	63.50	
		For Dynamic Damper, Add	152.39	
		For 3 Hour Rated, Add	84.66	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	410.06	36.97
		For Spring Activated Horizontal Mount Operation, Add	67.25	
		For Dynamic Damper, Add	161.40	
		For 3 Hour Rated, Add	89.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0270	EA		44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.55	39.32
			For Spring Activated Horizontal Mount Operation, Add	70.07	
			For Dynamic Damper, Add	168.17	
			For 3 Hour Rated, Add	93.43	
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.66	41.69
			For Spring Activated Horizontal Mount Operation, Add	71.01	
			For Dynamic Damper, Add	170.42	
			For 3 Hour Rated, Add	94.68	
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.29	43.91
			For Spring Activated Horizontal Mount Operation, Add	74.76	
			For Dynamic Damper, Add	179.43	
			For 3 Hour Rated, Add	99.68	
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.92	46.27
			For Spring Activated Horizontal Mount Operation, Add	78.51	
			For Dynamic Damper, Add	188.43	
			For 3 Hour Rated, Add	104.69	
23 33 13 16-0274	EA		44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	536.56	55.59
			For Spring Activated Horizontal Mount Operation, Add	83.21	
			For Dynamic Damper, Add	199.69	
			For 3 Hour Rated, Add	110.94	
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	571.29	60.17
			For Spring Activated Horizontal Mount Operation, Add	87.89	
			For Dynamic Damper, Add	210.94	
			For 3 Hour Rated, Add	117.19	
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.90	64.76
			For Spring Activated Horizontal Mount Operation, Add	97.28	
			For Dynamic Damper, Add	233.46	
			For 3 Hour Rated, Add	129.70	
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	678.33	69.49
			For Spring Activated Horizontal Mount Operation, Add	105.72	
			For Dynamic Damper, Add	253.73	
			For 3 Hour Rated, Add	140.96	
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	733.89	74.07
			For Spring Activated Horizontal Mount Operation, Add	115.10	
			For Dynamic Damper, Add	276.23	
			For 3 Hour Rated, Add	153.46	
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	778.37	76.29
			For Spring Activated Horizontal Mount Operation, Add	123.54	
			For Dynamic Damper, Add	296.50	
			For 3 Hour Rated, Add	164.72	
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	822.87	78.66
			For Spring Activated Horizontal Mount Operation, Add	131.99	
			For Dynamic Damper, Add	316.77	
			For 3 Hour Rated, Add	175.99	
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	867.37	81.02
			For Spring Activated Horizontal Mount Operation, Add	140.44	
			For Dynamic Damper, Add	337.05	
			For 3 Hour Rated, Add	187.25	
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.87	36.97
			For Spring Activated Horizontal Mount Operation, Add	66.31	
			For Dynamic Damper, Add	159.14	
			For 3 Hour Rated, Add	88.41	
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.55	39.32
			For Spring Activated Horizontal Mount Operation, Add	70.07	
			For Dynamic Damper, Add	168.17	
			For 3 Hour Rated, Add	93.43	
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.66	41.69
			For Spring Activated Horizontal Mount Operation, Add	71.01	
			For Dynamic Damper, Add	170.42	
			For 3 Hour Rated, Add	94.68	
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.06	46.27
			For Spring Activated Horizontal Mount Operation, Add	73.82	
			For Dynamic Damper, Add	177.17	
			For 3 Hour Rated, Add	98.43	
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.63	50.86
			For Spring Activated Horizontal Mount Operation, Add	77.57	
			For Dynamic Damper, Add	186.18	
			For 3 Hour Rated, Add	103.43	
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	528.21	55.59
			For Spring Activated Horizontal Mount Operation, Add	81.33	
			For Dynamic Damper, Add	195.18	
			For 3 Hour Rated, Add	108.44	
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	567.14	60.17
			For Spring Activated Horizontal Mount Operation, Add	86.96	
			For Dynamic Damper, Add	208.70	
			For 3 Hour Rated, Add	115.94	
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	606.03	64.76
			For Spring Activated Horizontal Mount Operation, Add	92.58	
			For Dynamic Damper, Add	222.19	
			For 3 Hour Rated, Add	123.44	
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	657.48	69.49
			For Spring Activated Horizontal Mount Operation, Add	101.03	
			For Dynamic Damper, Add	242.47	
			For 3 Hour Rated, Add	134.71	
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	717.21	74.07
			For Spring Activated Horizontal Mount Operation, Add	111.34	
			For Dynamic Damper, Add	267.22	
			For 3 Hour Rated, Add	148.46	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	761.73	76.29
		For Spring Activated Horizontal Mount Operation, Add	119.80	
		For Dynamic Damper, Add	287.51	
		For 3 Hour Rated, Add	159.73	
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	818.68	78.66
		For Spring Activated Horizontal Mount Operation, Add	131.05	
		For Dynamic Damper, Add	314.51	
		For 3 Hour Rated, Add	174.73	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	870.15	83.24
		For Spring Activated Horizontal Mount Operation, Add	139.50	
		For Dynamic Damper, Add	334.80	
		For 3 Hour Rated, Add	186.00	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	927.13	85.61
		For Spring Activated Horizontal Mount Operation, Add	150.76	
		For Dynamic Damper, Add	361.82	
		For 3 Hour Rated, Add	201.01	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	981.32	92.56
		For Spring Activated Horizontal Mount Operation, Add	158.26	
		For Dynamic Damper, Add	379.83	
		For 3 Hour Rated, Add	211.02	
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	425.36	39.32
		For Spring Activated Horizontal Mount Operation, Add	69.13	
		For Dynamic Damper, Add	165.91	
		For 3 Hour Rated, Add	92.17	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	448.99	41.69
		For Spring Activated Horizontal Mount Operation, Add	72.88	
		For Dynamic Damper, Add	174.92	
		For 3 Hour Rated, Add	97.18	
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.57	46.27
		For Spring Activated Horizontal Mount Operation, Add	76.64	
		For Dynamic Damper, Add	183.92	
		For 3 Hour Rated, Add	102.18	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	497.63	50.86
		For Spring Activated Horizontal Mount Operation, Add	77.57	
		For Dynamic Damper, Add	186.18	
		For 3 Hour Rated, Add	103.43	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.32	55.59
		For Spring Activated Horizontal Mount Operation, Add	81.80	
		For Dynamic Damper, Add	196.32	
		For 3 Hour Rated, Add	109.07	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.96	60.17
		For Spring Activated Horizontal Mount Operation, Add	86.02	
		For Dynamic Damper, Add	206.44	
		For 3 Hour Rated, Add	114.69	
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.89	64.76
		For Spring Activated Horizontal Mount Operation, Add	91.65	
		For Dynamic Damper, Add	219.96	
		For 3 Hour Rated, Add	122.20	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	640.80	69.49
		For Spring Activated Horizontal Mount Operation, Add	97.28	
		For Dynamic Damper, Add	233.46	
		For 3 Hour Rated, Add	129.70	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	692.22	74.07
		For Spring Activated Horizontal Mount Operation, Add	105.72	
		For Dynamic Damper, Add	253.73	
		For 3 Hour Rated, Add	140.96	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	756.14	78.66
		For Spring Activated Horizontal Mount Operation, Add	116.98	
		For Dynamic Damper, Add	280.74	
		For 3 Hour Rated, Add	155.97	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	804.79	81.02
		For Spring Activated Horizontal Mount Operation, Add	126.36	
		For Dynamic Damper, Add	303.26	
		For 3 Hour Rated, Add	168.48	
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	865.97	83.24
		For Spring Activated Horizontal Mount Operation, Add	138.56	
		For Dynamic Damper, Add	332.54	
		For 3 Hour Rated, Add	184.75	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	929.87	87.97
		For Spring Activated Horizontal Mount Operation, Add	149.81	
		For Dynamic Damper, Add	359.54	
		For 3 Hour Rated, Add	199.75	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	981.32	92.56
		For Spring Activated Horizontal Mount Operation, Add	158.26	
		For Dynamic Damper, Add	379.83	
		For 3 Hour Rated, Add	211.02	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,052.19	99.50
		For Spring Activated Horizontal Mount Operation, Add	169.52	
		For Dynamic Damper, Add	406.84	
		For 3 Hour Rated, Add	226.02	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,107.81	104.08
		For Spring Activated Horizontal Mount Operation, Add	178.90	
		For Dynamic Damper, Add	429.37	
		For 3 Hour Rated, Add	238.54	
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.66	41.69
		For Spring Activated Horizontal Mount Operation, Add	71.01	
		For Dynamic Damper, Add	170.42	
		For 3 Hour Rated, Add	94.68	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	475.39 75.69 181.67 100.93	46.27
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	501.81 78.51 188.43 104.69	50.86
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	519.86 79.45 190.67 105.93	55.59
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	556.72 84.61 203.07 112.82	60.17
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	593.54 89.77 215.45 119.69	64.76
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	630.38 94.93 227.84 126.58	69.49
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	667.19 100.09 240.21 133.45	74.07
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	731.11 111.34 267.22 148.46	78.66
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	788.13 122.61 294.26 163.48	81.02
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	840.93 132.93 319.02 177.23	83.24
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	913.23 146.07 350.56 194.75	87.97
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	977.13 157.32 377.57 209.76	92.56
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,045.24 169.52 406.84 226.02	97.14
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,100.86 178.90 429.37 238.54	101.86
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,168.97 191.10 458.64 254.80	106.45
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,237.08 203.30 487.92 271.07	111.03
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	467.06 73.82 177.17 98.43	46.27
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	501.81 78.51 188.43 104.69	50.86
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	524.03 80.39 192.93 107.18	55.59
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	542.11 81.33 195.18 108.44	60.17
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	581.04 86.96 208.70 115.94	64.76
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	619.93 92.58 222.19 123.44	69.49

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	660.93	74.07
		For Spring Activated Horizontal Mount Operation, Add	98.68	
		For Dynamic Damper, Add	236.83	
		For 3 Hour Rated, Add	131.57	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	701.93	78.66
		For Spring Activated Horizontal Mount Operation, Add	104.78	
		For Dynamic Damper, Add	251.47	
		For 3 Hour Rated, Add	139.70	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	763.09	81.02
		For Spring Activated Horizontal Mount Operation, Add	116.98	
		For Dynamic Damper, Add	280.74	
		For 3 Hour Rated, Add	155.97	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	820.09	83.24
		For Spring Activated Horizontal Mount Operation, Add	128.24	
		For Dynamic Damper, Add	307.77	
		For 3 Hour Rated, Add	170.98	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	888.22	87.97
		For Spring Activated Horizontal Mount Operation, Add	140.44	
		For Dynamic Damper, Add	337.05	
		For 3 Hour Rated, Add	187.25	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	956.31	92.56
		For Spring Activated Horizontal Mount Operation, Add	152.64	
		For Dynamic Damper, Add	366.33	
		For 3 Hour Rated, Add	203.51	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,011.90	97.14
		For Spring Activated Horizontal Mount Operation, Add	162.02	
		For Dynamic Damper, Add	388.84	
		For 3 Hour Rated, Add	216.02	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,092.51	101.86
		For Spring Activated Horizontal Mount Operation, Add	177.03	
		For Dynamic Damper, Add	424.86	
		For 3 Hour Rated, Add	236.03	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,164.78	106.45
		For Spring Activated Horizontal Mount Operation, Add	190.16	
		For Dynamic Damper, Add	456.38	
		For 3 Hour Rated, Add	253.55	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,237.08	111.03
		For Spring Activated Horizontal Mount Operation, Add	203.30	
		For Dynamic Damper, Add	487.92	
		For 3 Hour Rated, Add	271.07	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,300.97	115.76
		For Spring Activated Horizontal Mount Operation, Add	214.55	
		For Dynamic Damper, Add	514.92	
		For 3 Hour Rated, Add	286.07	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,364.95	120.35
		For Spring Activated Horizontal Mount Operation, Add	225.82	
		For Dynamic Damper, Add	541.96	
		For 3 Hour Rated, Add	301.09	

23 33 13 16-0348 Round 2 Hour Fire Damper (23 33 13 16)

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	142.32	27.80
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	148.53	27.80
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	174.75	31.55
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	181.49	31.55
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	218.22	34.74
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	236.80	34.74
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	263.16	38.63
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	295.58	43.50
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	335.92	49.61

23 33 13 16-0358 Round 4 Hour Fire Damper (23 33 13 16)

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	160.31	31.55
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	177.23	31.55
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	200.71	34.74
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	222.54	34.74
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	252.15	38.63
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	265.46	38.63
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	296.00	43.50
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	327.46	49.61
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	382.04	57.95

23 33 13 19 Smoke-Control Dampers (23 33 13)**23 33 13 19-0001 Combination Smoke/Fire Damper** (23 33 13 19)

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	661.87	23.14
		For Dynamic Damper, Add	319.92	
		For 3 Hour Rated, Add	177.74	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	679.45	24.18
		For Dynamic Damper, Add	327.73	
		For 3 Hour Rated, Add	182.07	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	694.52	24.39
		For Dynamic Damper, Add	335.64	
		For 3 Hour Rated, Add	186.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	655.86	24.39	
		For Dynamic Damper, Add	314.77		
		For 3 Hour Rated, Add	174.87		
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	671.60	25.01	
		For Dynamic Damper, Add	322.14		
		For 3 Hour Rated, Add	178.97		
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	707.33	27.73	
		For Dynamic Damper, Add	336.93		
		For 3 Hour Rated, Add	187.18		
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	671.60	25.01	
		For Dynamic Damper, Add	322.14		
		For 3 Hour Rated, Add	178.97		
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	703.15	26.47	
		For Dynamic Damper, Add	336.93		
		For 3 Hour Rated, Add	187.18		
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	720.98	27.73	
		For Dynamic Damper, Add	344.30		
		For 3 Hour Rated, Add	191.28		
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	745.13	31.27	
		For Dynamic Damper, Add	351.72		
		For 3 Hour Rated, Add	195.40		
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	696.32	26.47	
		For Dynamic Damper, Add	333.24		
		For 3 Hour Rated, Add	185.13		
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	720.98	27.73	
		For Dynamic Damper, Add	344.30		
		For 3 Hour Rated, Add	191.28		
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	738.88	29.19	
		For Dynamic Damper, Add	351.72		
		For 3 Hour Rated, Add	195.40		
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	758.87	31.27	
		For Dynamic Damper, Add	359.14		
		For 3 Hour Rated, Add	199.52		
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	803.50	34.81	
		For Dynamic Damper, Add	377.61		
		For 3 Hour Rated, Add	209.78		
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	787.05	27.73	
		For Dynamic Damper, Add	379.98		
		For 3 Hour Rated, Add	211.10		
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	801.78	29.81	
		For Dynamic Damper, Add	384.56		
		For 3 Hour Rated, Add	213.65		
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	818.62	32.73	
		For Dynamic Damper, Add	389.15		
		For 3 Hour Rated, Add	216.20		
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	833.25	34.81	
		For Dynamic Damper, Add	393.68		
		For 3 Hour Rated, Add	218.71		
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	864.89	38.15	
		For Dynamic Damper, Add	405.13		
		For 3 Hour Rated, Add	225.07		
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	896.46	41.69	
		For Dynamic Damper, Add	416.55		
		For 3 Hour Rated, Add	231.42		
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	799.70	29.19	
		For Dynamic Damper, Add	384.56		
		For 3 Hour Rated, Add	213.65		
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	818.61	31.27	
		For Dynamic Damper, Add	391.40		
		For 3 Hour Rated, Add	217.44		
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	841.80	34.81	
		For Dynamic Damper, Add	398.29		
		For 3 Hour Rated, Add	221.27		
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	873.39	38.15	
		For Dynamic Damper, Add	409.72		
		For 3 Hour Rated, Add	227.62		
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	900.68	41.69	
		For Dynamic Damper, Add	418.83		
		For 3 Hour Rated, Add	232.68		
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	932.26	45.03	
		For Dynamic Damper, Add	430.26		
		For 3 Hour Rated, Add	239.03		
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	955.40	48.57	
		For Dynamic Damper, Add	437.12		
		For 3 Hour Rated, Add	242.84		
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	814.45	31.27	
		For Dynamic Damper, Add	389.15		
		For 3 Hour Rated, Add	216.20		
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	841.75	34.81	
		For Dynamic Damper, Add	398.27		
		For 3 Hour Rated, Add	221.26		
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	869.11	38.15	
		For Dynamic Damper, Add	407.41		
		For 3 Hour Rated, Add	226.34		
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	913.46	41.69	
		For Dynamic Damper, Add	425.73		
		For 3 Hour Rated, Add	236.52		
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	936.53	45.03	
		For Dynamic Damper, Add	432.56		
		For 3 Hour Rated, Add	240.31		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 19-0035	EA 20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	959.62	48.57
	For Dynamic Damper, Add	439.40	
	For 3 Hour Rated, Add	244.11	
23 33 13 19-0036	EA 20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	986.98	52.12
	For Dynamic Damper, Add	448.55	
	For 3 Hour Rated, Add	249.19	
23 33 13 19-0037	EA 20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,014.28	55.45
	For Dynamic Damper, Add	457.66	
	For 3 Hour Rated, Add	254.26	
23 33 13 19-0038	EA 24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	833.94	34.81
	For Dynamic Damper, Add	394.05	
	For 3 Hour Rated, Add	218.92	
23 33 13 19-0039	EA 24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	861.50	38.15
	For Dynamic Damper, Add	403.30	
	For 3 Hour Rated, Add	224.06	
23 33 13 19-0040	EA 24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	883.36	41.69
	For Dynamic Damper, Add	409.48	
	For 3 Hour Rated, Add	227.49	
23 33 13 19-0041	EA 24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	910.83	45.03
	For Dynamic Damper, Add	418.68	
	For 3 Hour Rated, Add	232.60	
23 33 13 19-0042	EA 24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	929.83	48.57
	For Dynamic Damper, Add	423.31	
	For 3 Hour Rated, Add	235.17	
23 33 13 19-0043	EA 24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	948.77	52.12
	For Dynamic Damper, Add	427.91	
	For 3 Hour Rated, Add	237.73	
23 33 13 19-0044	EA 24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	976.28	55.45
	For Dynamic Damper, Add	437.14	
	For 3 Hour Rated, Add	242.86	
23 33 13 19-0045	EA 24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,014.22	62.54
	For Dynamic Damper, Add	446.37	
	For 3 Hour Rated, Add	247.98	
23 33 13 19-0046	EA 24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,057.88	69.42
	For Dynamic Damper, Add	458.69	
	For 3 Hour Rated, Add	254.83	
23 33 13 19-0047	EA 28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	861.50	38.15
	For Dynamic Damper, Add	403.30	
	For 3 Hour Rated, Add	224.06	
23 33 13 19-0048	EA 28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	883.36	41.69
	For Dynamic Damper, Add	409.48	
	For 3 Hour Rated, Add	227.49	
23 33 13 19-0049	EA 28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	910.83	45.03
	For Dynamic Damper, Add	418.68	
	For 3 Hour Rated, Add	232.60	
23 33 13 19-0050	EA 28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	932.67	48.57
	For Dynamic Damper, Add	424.85	
	For 3 Hour Rated, Add	236.03	
23 33 13 19-0051	EA 28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	957.33	52.12
	For Dynamic Damper, Add	432.53	
	For 3 Hour Rated, Add	240.30	
23 33 13 19-0052	EA 28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	981.96	55.45
	For Dynamic Damper, Add	440.21	
	For 3 Hour Rated, Add	244.56	
23 33 13 19-0053	EA 28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,019.90	62.54
	For Dynamic Damper, Add	449.44	
	For 3 Hour Rated, Add	249.69	
23 33 13 19-0054	EA 28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,057.88	69.42
	For Dynamic Damper, Add	458.69	
	For 3 Hour Rated, Add	254.83	
23 33 13 19-0055	EA 28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,102.47	72.96
	For Dynamic Damper, Add	477.14	
	For 3 Hour Rated, Add	265.08	
23 33 13 19-0056	EA 28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,151.82	79.84
	For Dynamic Damper, Add	492.53	
	For 3 Hour Rated, Add	273.63	
23 33 13 19-0057	EA 32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	900.41	41.69
	For Dynamic Damper, Add	418.68	
	For 3 Hour Rated, Add	232.60	
23 33 13 19-0058	EA 32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	916.52	45.03
	For Dynamic Damper, Add	421.76	
	For 3 Hour Rated, Add	234.31	
23 33 13 19-0059	EA 32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	932.67	48.57
	For Dynamic Damper, Add	424.85	
	For 3 Hour Rated, Add	236.03	
23 33 13 19-0060	EA 32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	954.46	52.12
	For Dynamic Damper, Add	430.98	
	For 3 Hour Rated, Add	239.44	
23 33 13 19-0061	EA 32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	983.02	55.45
	For Dynamic Damper, Add	440.78	
	For 3 Hour Rated, Add	244.88	
23 33 13 19-0062	EA 32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,019.90	62.54
	For Dynamic Damper, Add	449.44	
	For 3 Hour Rated, Add	249.69	
23 33 13 19-0063	EA 32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,063.60	69.42
	For Dynamic Damper, Add	461.78	
	For 3 Hour Rated, Add	256.54	
23 33 13 19-0064	EA 32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,107.25	76.29
	For Dynamic Damper, Add	474.09	
	For 3 Hour Rated, Add	263.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,151.82	79.84	
		For Dynamic Damper, Add	492.53		
		For 3 Hour Rated, Add	273.63		
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,208.42	85.47	
		For Dynamic Damper, Add	514.09		
		For 3 Hour Rated, Add	285.61		
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,268.56	90.26	
		For Dynamic Damper, Add	538.69		
		For 3 Hour Rated, Add	299.27		
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	945.77	45.03	
		For Dynamic Damper, Add	437.55		
		For 3 Hour Rated, Add	243.08		
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	968.55	48.57	
		For Dynamic Damper, Add	444.22		
		For 3 Hour Rated, Add	246.79		
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	991.36	52.12	
		For Dynamic Damper, Add	450.91		
		For 3 Hour Rated, Add	250.51		
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,020.38	55.45	
		For Dynamic Damper, Add	460.95		
		For 3 Hour Rated, Add	256.09		
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,050.55	62.54	
		For Dynamic Damper, Add	465.99		
		For 3 Hour Rated, Add	258.88		
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,070.26	65.88	
		For Dynamic Damper, Add	471.00		
		For 3 Hour Rated, Add	261.67		
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,132.52	76.29	
		For Dynamic Damper, Add	487.74		
		For 3 Hour Rated, Add	270.97		
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,184.29	83.39	
		For Dynamic Damper, Add	504.44		
		For 3 Hour Rated, Add	280.24		
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,229.79	86.09	
		For Dynamic Damper, Add	524.51		
		For 3 Hour Rated, Add	291.39		
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,298.11	92.35	
		For Dynamic Damper, Add	551.27		
		For 3 Hour Rated, Add	306.26		
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,356.01	97.14	
		For Dynamic Damper, Add	574.66		
		For 3 Hour Rated, Add	319.25		
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,416.00	100.68	
		For Dynamic Damper, Add	601.42		
		For 3 Hour Rated, Add	334.12		
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,521.58	52.12	
		For Dynamic Damper, Add	742.86		
		For 3 Hour Rated, Add	412.70		
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,565.21	55.45	
		For Dynamic Damper, Add	760.79		
		For 3 Hour Rated, Add	422.66		
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,583.97	59.00	
		For Dynamic Damper, Add	765.29		
		For 3 Hour Rated, Add	425.16		
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,602.74	62.54	
		For Dynamic Damper, Add	769.80		
		For 3 Hour Rated, Add	427.67		
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,652.68	65.88	
		For Dynamic Damper, Add	785.51		
		For 3 Hour Rated, Add	436.40		
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,692.25	69.42	
		For Dynamic Damper, Add	801.25		
		For 3 Hour Rated, Add	445.14		
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,756.78	79.84	
		For Dynamic Damper, Add	819.21		
		For 3 Hour Rated, Add	455.12		
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,810.83	86.71	
		For Dynamic Damper, Add	837.14		
		For 3 Hour Rated, Add	465.08		
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,877.45	92.35	
		For Dynamic Damper, Add	864.11		
		For 3 Hour Rated, Add	480.06		
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,983.43	97.14	
		For Dynamic Damper, Add	913.46		
		For 3 Hour Rated, Add	507.48		
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,049.96	102.77	
		For Dynamic Damper, Add	940.38		
		For 3 Hour Rated, Add	522.44		
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,149.79	105.48	
		For Dynamic Damper, Add	989.79		
		For 3 Hour Rated, Add	549.88		
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,249.63	111.10	
		For Dynamic Damper, Add	1,034.69		
		For 3 Hour Rated, Add	574.83		
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,548.63	52.12	
		For Dynamic Damper, Add	751.84		
		For 3 Hour Rated, Add	417.69		
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,592.31	55.45	
		For Dynamic Damper, Add	769.80		
		For 3 Hour Rated, Add	427.67		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 19-0095	EA 44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,627.72	59.00
	For Dynamic Damper, Add	783.29	
	For 3 Hour Rated, Add	435.16	
23 33 13 19-0096	EA 44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,646.48	62.54
	For Dynamic Damper, Add	787.79	
	For 3 Hour Rated, Add	437.66	
23 33 13 19-0097	EA 44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,690.16	65.88
	For Dynamic Damper, Add	805.75	
	For 3 Hour Rated, Add	447.64	
23 33 13 19-0098	EA 44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,733.80	69.42
	For Dynamic Damper, Add	823.68	
	For 3 Hour Rated, Add	457.60	
23 33 13 19-0099	EA 44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,817.10	83.39
	For Dynamic Damper, Add	846.15	
	For 3 Hour Rated, Add	470.09	
23 33 13 19-0100	EA 44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,879.44	90.26
	For Dynamic Damper, Add	868.56	
	For 3 Hour Rated, Add	482.54	
23 33 13 19-0101	EA 44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,983.43	97.14
	For Dynamic Damper, Add	913.46	
	For 3 Hour Rated, Add	507.48	
23 33 13 19-0102	EA 44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,079.10	104.22
	For Dynamic Damper, Add	953.87	
	For 3 Hour Rated, Add	529.93	
23 33 13 19-0103	EA 44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,183.05	111.10
	For Dynamic Damper, Add	998.74	
	For 3 Hour Rated, Add	554.86	
23 33 13 19-0104	EA 44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,268.29	114.44
	For Dynamic Damper, Add	1,039.14	
	For 3 Hour Rated, Add	577.30	
23 33 13 19-0105	EA 44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,353.57	117.98
	For Dynamic Damper, Add	1,079.57	
	For 3 Hour Rated, Add	599.76	
23 33 13 19-0106	EA 44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,438.87	121.53
	For Dynamic Damper, Add	1,120.00	
	For 3 Hour Rated, Add	622.22	
23 33 13 19-0107	EA 48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,583.97	55.45
	For Dynamic Damper, Add	765.29	
	For 3 Hour Rated, Add	425.16	
23 33 13 19-0108	EA 48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,627.72	59.00
	For Dynamic Damper, Add	783.29	
	For 3 Hour Rated, Add	435.16	
23 33 13 19-0109	EA 48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,646.48	62.54
	For Dynamic Damper, Add	787.79	
	For 3 Hour Rated, Add	437.66	
23 33 13 19-0110	EA 48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,692.25	69.42
	For Dynamic Damper, Add	801.25	
	For 3 Hour Rated, Add	445.14	
23 33 13 19-0111	EA 48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,746.35	76.29
	For Dynamic Damper, Add	819.21	
	For 3 Hour Rated, Add	455.12	
23 33 13 19-0112	EA 48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,800.41	83.39
	For Dynamic Damper, Add	837.14	
	For 3 Hour Rated, Add	465.08	
23 33 13 19-0113	EA 48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,871.20	90.26
	For Dynamic Damper, Add	864.11	
	For 3 Hour Rated, Add	480.06	
23 33 13 19-0114	EA 48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,941.88	97.14
	For Dynamic Damper, Add	891.03	
	For 3 Hour Rated, Add	495.02	
23 33 13 19-0115	EA 48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,037.55	104.22
	For Dynamic Damper, Add	931.43	
	For 3 Hour Rated, Add	517.46	
23 33 13 19-0116	EA 48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,149.79	111.10
	For Dynamic Damper, Add	980.78	
	For 3 Hour Rated, Add	544.88	
23 33 13 19-0117	EA 48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,235.13	114.44
	For Dynamic Damper, Add	1,021.24	
	For 3 Hour Rated, Add	567.35	
23 33 13 19-0118	EA 48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,345.23	117.98
	For Dynamic Damper, Add	1,075.06	
	For 3 Hour Rated, Add	597.26	
23 33 13 19-0119	EA 48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,440.95	124.86
	For Dynamic Damper, Add	1,115.49	
	For 3 Hour Rated, Add	619.72	
23 33 13 19-0120	EA 48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,551.16	128.41
	For Dynamic Damper, Add	1,169.38	
	For 3 Hour Rated, Add	649.66	
23 33 13 19-0121	EA 48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,648.90	138.83
	For Dynamic Damper, Add	1,205.27	
	For 3 Hour Rated, Add	669.60	
23 33 13 19-0122	EA 52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,619.38	59.00
	For Dynamic Damper, Add	778.78	
	For 3 Hour Rated, Add	432.66	
23 33 13 19-0123	EA 52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,663.06	62.54
	For Dynamic Damper, Add	796.74	
	For 3 Hour Rated, Add	442.64	
23 33 13 19-0124	EA 52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,717.17	69.42
	For Dynamic Damper, Add	814.70	
	For 3 Hour Rated, Add	452.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,746.35	76.29	
		For Dynamic Damper, Add	819.21		
		For 3 Hour Rated, Add	455.12		
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,804.63	83.39	
		For Dynamic Damper, Add	839.42		
		For 3 Hour Rated, Add	466.34		
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,862.86	90.26	
		For Dynamic Damper, Add	859.61		
		For 3 Hour Rated, Add	477.56		
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,933.59	97.14	
		For Dynamic Damper, Add	886.55		
		For 3 Hour Rated, Add	492.53		
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,004.28	104.22	
		For Dynamic Damper, Add	913.46		
		For 3 Hour Rated, Add	507.48		
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,099.95	111.10	
		For Dynamic Damper, Add	953.87		
		For 3 Hour Rated, Add	529.93		
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,220.58	117.98	
		For Dynamic Damper, Add	1,007.75		
		For 3 Hour Rated, Add	559.86		
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,314.06	121.53	
		For Dynamic Damper, Add	1,052.60		
		For 3 Hour Rated, Add	584.78		
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,432.66	124.86	
		For Dynamic Damper, Add	1,111.02		
		For 3 Hour Rated, Add	617.23		
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,553.19	131.95	
		For Dynamic Damper, Add	1,164.85		
		For 3 Hour Rated, Add	647.14		
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,648.90	138.83	
		For Dynamic Damper, Add	1,205.27		
		For 3 Hour Rated, Add	669.60		
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,779.90	149.25	
		For Dynamic Damper, Add	1,259.13		
		For 3 Hour Rated, Add	699.52		
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,883.90	156.13	
		For Dynamic Damper, Add	1,304.04		
		For 3 Hour Rated, Add	724.46		
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,646.48	62.54	
		For Dynamic Damper, Add	787.79		
		For 3 Hour Rated, Add	437.66		
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,708.83	69.42	
		For Dynamic Damper, Add	810.20		
		For 3 Hour Rated, Add	450.11		
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,754.64	76.29	
		For Dynamic Damper, Add	823.68		
		For 3 Hour Rated, Add	457.60		
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,783.78	83.39	
		For Dynamic Damper, Add	828.16		
		For 3 Hour Rated, Add	460.09		
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,850.40	90.26	
		For Dynamic Damper, Add	852.88		
		For 3 Hour Rated, Add	473.82		
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,916.96	97.14	
		For Dynamic Damper, Add	877.57		
		For 3 Hour Rated, Add	487.54		
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,983.48	104.22	
		For Dynamic Damper, Add	902.23		
		For 3 Hour Rated, Add	501.24		
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,050.05	111.10	
		For Dynamic Damper, Add	926.92		
		For 3 Hour Rated, Add	514.96		
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,170.63	117.98	
		For Dynamic Damper, Add	980.78		
		For 3 Hour Rated, Add	544.88		
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,280.90	121.53	
		For Dynamic Damper, Add	1,034.69		
		For 3 Hour Rated, Add	574.83		
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,382.72	124.86	
		For Dynamic Damper, Add	1,084.05		
		For 3 Hour Rated, Add	602.25		
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,519.97	131.95	
		For Dynamic Damper, Add	1,146.91		
		For 3 Hour Rated, Add	637.17		
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,640.56	138.83	
		For Dynamic Damper, Add	1,200.77		
		For 3 Hour Rated, Add	667.10		
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,769.49	145.71	
		For Dynamic Damper, Add	1,259.13		
		For 3 Hour Rated, Add	699.52		
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,873.47	152.80	
		For Dynamic Damper, Add	1,304.04		
		For 3 Hour Rated, Add	724.46		
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,002.40	159.68	
		For Dynamic Damper, Add	1,362.40		
		For 3 Hour Rated, Add	756.89		
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,131.33	166.56	
		For Dynamic Damper, Add	1,420.76		
		For 3 Hour Rated, Add	789.31		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 19-0155	EA 60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,692.25	69.42
	For Dynamic Damper, Add	801.25	
	For 3 Hour Rated, Add	445.14	
23 33 13 19-0156	EA 60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,754.64	76.29
	For Dynamic Damper, Add	823.68	
	For 3 Hour Rated, Add	457.60	
23 33 13 19-0157	EA 60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,792.12	83.39
	For Dynamic Damper, Add	832.66	
	For 3 Hour Rated, Add	462.59	
23 33 13 19-0158	EA 60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,821.25	90.26
	For Dynamic Damper, Add	837.14	
	For 3 Hour Rated, Add	465.08	
23 33 13 19-0159	EA 60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,892.04	97.14
	For Dynamic Damper, Add	864.11	
	For 3 Hour Rated, Add	480.06	
23 33 13 19-0160	EA 60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,962.73	104.22
	For Dynamic Damper, Add	891.03	
	For 3 Hour Rated, Add	495.02	
23 33 13 19-0161	EA 60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,037.59	111.10
	For Dynamic Damper, Add	920.19	
	For 3 Hour Rated, Add	511.22	
23 33 13 19-0162	EA 60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,112.50	117.98
	For Dynamic Damper, Add	949.39	
	For 3 Hour Rated, Add	527.44	
23 33 13 19-0163	EA 60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,231.01	121.53
	For Dynamic Damper, Add	1,007.75	
	For 3 Hour Rated, Add	559.86	
23 33 13 19-0164	EA 60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,341.16	124.86
	For Dynamic Damper, Add	1,061.61	
	For 3 Hour Rated, Add	589.78	
23 33 13 19-0165	EA 60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,470.13	131.95
	For Dynamic Damper, Add	1,120.00	
	For 3 Hour Rated, Add	622.22	
23 33 13 19-0166	EA 60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,599.06	138.83
	For Dynamic Damper, Add	1,178.36	
	For 3 Hour Rated, Add	654.65	
23 33 13 19-0167	EA 60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,703.01	145.71
	For Dynamic Damper, Add	1,223.24	
	For 3 Hour Rated, Add	679.58	
23 33 13 19-0168	EA 60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,856.84	152.80
	For Dynamic Damper, Add	1,295.06	
	For 3 Hour Rated, Add	719.48	
23 33 13 19-0169	EA 60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,994.11	159.68
	For Dynamic Damper, Add	1,357.92	
	For 3 Hour Rated, Add	754.40	
23 33 13 19-0170	EA 60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,131.33	166.56
	For Dynamic Damper, Add	1,420.76	
	For 3 Hour Rated, Add	789.31	
23 33 13 19-0171	EA 60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,251.85	173.64
	For Dynamic Damper, Add	1,474.59	
	For 3 Hour Rated, Add	819.22	
23 33 13 19-0172	EA 60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,372.59	180.52
	For Dynamic Damper, Add	1,528.53	
	For 3 Hour Rated, Add	849.18	

23 33 13 19-0173 Smoke Damper (23 33 13 19)

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA 6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.35	15.43
	For Dynamic Damper, Add	58.36	
	For 3 Hour Rated, Add	32.42	
23 33 13 19-0175	EA 8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	159.16	16.12
	For Dynamic Damper, Add	59.83	
	For 3 Hour Rated, Add	33.24	
23 33 13 19-0176	EA 8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.18	16.26
	For Dynamic Damper, Add	61.31	
	For 3 Hour Rated, Add	34.06	
23 33 13 19-0177	EA 10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.18	16.26
	For Dynamic Damper, Add	61.31	
	For 3 Hour Rated, Add	34.06	
23 33 13 19-0178	EA 10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.30	16.68
	For Dynamic Damper, Add	62.79	
	For 3 Hour Rated, Add	34.88	
23 33 13 19-0179	EA 10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.32	18.49
	For Dynamic Damper, Add	65.73	
	For 3 Hour Rated, Add	36.52	
23 33 13 19-0180	EA 12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	166.30	16.68
	For Dynamic Damper, Add	62.79	
	For 3 Hour Rated, Add	34.88	
23 33 13 19-0181	EA 12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.54	17.65
	For Dynamic Damper, Add	65.73	
	For 3 Hour Rated, Add	36.52	
23 33 13 19-0182	EA 12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.07	18.49
	For Dynamic Damper, Add	67.22	
	For 3 Hour Rated, Add	37.34	
23 33 13 19-0183	EA 12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.75	20.85
	For Dynamic Damper, Add	68.69	
	For 3 Hour Rated, Add	38.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0184	EA		14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.19	17.65
			For Dynamic Damper, Add	65.01	
			For 3 Hour Rated, Add	36.11	
23 33 13 19-0185	EA		14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.07	18.49
			For Dynamic Damper, Add	67.22	
			For 3 Hour Rated, Add	37.34	
23 33 13 19-0186	EA		14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.57	19.45
			For Dynamic Damper, Add	68.69	
			For 3 Hour Rated, Add	38.16	
23 33 13 19-0187	EA		14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.50	20.85
			For Dynamic Damper, Add	70.18	
			For 3 Hour Rated, Add	38.99	
23 33 13 19-0188	EA		14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.29	23.21
			For Dynamic Damper, Add	73.87	
			For 3 Hour Rated, Add	41.04	
23 33 13 19-0189	EA		16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.72	18.49
			For Dynamic Damper, Add	121.03	
			For 3 Hour Rated, Add	67.24	
23 33 13 19-0190	EA		16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.62	19.87
			For Dynamic Damper, Add	122.50	
			For 3 Hour Rated, Add	68.06	
23 33 13 19-0191	EA		16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.92	21.81
			For Dynamic Damper, Add	123.99	
			For 3 Hour Rated, Add	68.88	
23 33 13 19-0192	EA		16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.81	23.21
			For Dynamic Damper, Add	125.45	
			For 3 Hour Rated, Add	69.70	
23 33 13 19-0193	EA		16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.64	25.43
			For Dynamic Damper, Add	129.17	
			For 3 Hour Rated, Add	71.76	
23 33 13 19-0194	EA		16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.43	27.80
			For Dynamic Damper, Add	132.86	
			For 3 Hour Rated, Add	73.81	
23 33 13 19-0195	EA		18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.22	19.45
			For Dynamic Damper, Add	122.50	
			For 3 Hour Rated, Add	68.06	
23 33 13 19-0196	EA		18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.51	20.85
			For Dynamic Damper, Add	124.72	
			For 3 Hour Rated, Add	69.29	
23 33 13 19-0197	EA		18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.58	23.21
			For Dynamic Damper, Add	126.95	
			For 3 Hour Rated, Add	70.53	
23 33 13 19-0198	EA		18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.37	25.43
			For Dynamic Damper, Add	130.64	
			For 3 Hour Rated, Add	72.58	
23 33 13 19-0199	EA		18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	330.78	27.80
			For Dynamic Damper, Add	133.59	
			For 3 Hour Rated, Add	74.22	
23 33 13 19-0200	EA		18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.58	30.02
			For Dynamic Damper, Add	137.30	
			For 3 Hour Rated, Add	76.28	
23 33 13 19-0201	EA		18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.62	32.38
			For Dynamic Damper, Add	139.51	
			For 3 Hour Rated, Add	77.51	
23 33 13 19-0202	EA		20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.15	20.85
			For Dynamic Damper, Add	123.99	
			For 3 Hour Rated, Add	68.88	
23 33 13 19-0203	EA		20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	304.56	23.21
			For Dynamic Damper, Add	126.94	
			For 3 Hour Rated, Add	70.52	
23 33 13 19-0204	EA		20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.00	25.43
			For Dynamic Damper, Add	129.90	
			For 3 Hour Rated, Add	72.17	
23 33 13 19-0205	EA		20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	334.91	27.80
			For Dynamic Damper, Add	135.82	
			For 3 Hour Rated, Add	75.46	
23 33 13 19-0206	EA		20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.95	30.02
			For Dynamic Damper, Add	138.03	
			For 3 Hour Rated, Add	76.69	
23 33 13 19-0207	EA		20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	357.00	32.38
			For Dynamic Damper, Add	140.25	
			For 3 Hour Rated, Add	77.92	
23 33 13 19-0208	EA		20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.41	34.74
			For Dynamic Damper, Add	143.20	
			For 3 Hour Rated, Add	79.56	
23 33 13 19-0209	EA		20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	381.82	36.97
			For Dynamic Damper, Add	146.15	
			For 3 Hour Rated, Add	81.20	
23 33 13 19-0210	EA		24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.01	23.21
			For Dynamic Damper, Add	171.46	
			For 3 Hour Rated, Add	95.26	
23 33 13 19-0211	EA		24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	402.20	25.43
			For Dynamic Damper, Add	175.91	
			For 3 Hour Rated, Add	97.73	
23 33 13 19-0212	EA		24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.63	27.80
			For Dynamic Damper, Add	178.87	
			For 3 Hour Rated, Add	99.37	
23 33 13 19-0213	EA		24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.78	30.02
			For Dynamic Damper, Add	183.30	
			For 3 Hour Rated, Add	101.84	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 19-0214	EA 24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.82	32.38
	For Dynamic Damper, Add	185.52	
	For 3 Hour Rated, Add	103.07	
23 33 13 19-0215	EA 24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.86	34.74
	For Dynamic Damper, Add	187.73	
	For 3 Hour Rated, Add	104.29	
23 33 13 19-0216	EA 24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	467.02	36.97
	For Dynamic Damper, Add	192.16	
	For 3 Hour Rated, Add	106.76	
23 33 13 19-0217	EA 24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.13	41.69
	For Dynamic Damper, Add	196.59	
	For 3 Hour Rated, Add	109.22	
23 33 13 19-0218	EA 24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.99	46.27
	For Dynamic Damper, Add	202.51	
	For 3 Hour Rated, Add	112.51	
23 33 13 19-0219	EA 28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	402.20	25.43
	For Dynamic Damper, Add	175.91	
	For 3 Hour Rated, Add	97.73	
23 33 13 19-0220	EA 28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.63	27.80
	For Dynamic Damper, Add	178.87	
	For 3 Hour Rated, Add	99.37	
23 33 13 19-0221	EA 28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.78	30.02
	For Dynamic Damper, Add	183.30	
	For 3 Hour Rated, Add	101.84	
23 33 13 19-0222	EA 28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.18	32.38
	For Dynamic Damper, Add	186.25	
	For 3 Hour Rated, Add	103.47	
23 33 13 19-0223	EA 28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.96	34.74
	For Dynamic Damper, Add	189.94	
	For 3 Hour Rated, Add	105.52	
23 33 13 19-0224	EA 28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.75	36.97
	For Dynamic Damper, Add	193.63	
	For 3 Hour Rated, Add	107.57	
23 33 13 19-0225	EA 28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.86	41.69
	For Dynamic Damper, Add	198.07	
	For 3 Hour Rated, Add	110.04	
23 33 13 19-0226	EA 28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.99	46.27
	For Dynamic Damper, Add	202.51	
	For 3 Hour Rated, Add	112.51	
23 33 13 19-0227	EA 28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.35	48.64
	For Dynamic Damper, Add	211.37	
	For 3 Hour Rated, Add	117.43	
23 33 13 19-0228	EA 28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	564.93	53.22
	For Dynamic Damper, Add	218.76	
	For 3 Hour Rated, Add	121.54	
23 33 13 19-0229	EA 32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	422.84	27.80
	For Dynamic Damper, Add	183.30	
	For 3 Hour Rated, Add	101.84	
23 33 13 19-0230	EA 32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.49	30.02
	For Dynamic Damper, Add	184.77	
	For 3 Hour Rated, Add	102.65	
23 33 13 19-0231	EA 32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.18	32.38
	For Dynamic Damper, Add	186.25	
	For 3 Hour Rated, Add	103.47	
23 33 13 19-0232	EA 32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	454.59	34.74
	For Dynamic Damper, Add	189.20	
	For 3 Hour Rated, Add	105.11	
23 33 13 19-0233	EA 32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.27	36.97
	For Dynamic Damper, Add	193.91	
	For 3 Hour Rated, Add	107.73	
23 33 13 19-0234	EA 32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	491.86	41.69
	For Dynamic Damper, Add	198.07	
	For 3 Hour Rated, Add	110.04	
23 33 13 19-0235	EA 32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.72	46.27
	For Dynamic Damper, Add	203.99	
	For 3 Hour Rated, Add	113.33	
23 33 13 19-0236	EA 32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	541.57	50.86
	For Dynamic Damper, Add	209.90	
	For 3 Hour Rated, Add	116.61	
23 33 13 19-0237	EA 32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	564.93	53.22
	For Dynamic Damper, Add	218.76	
	For 3 Hour Rated, Add	121.54	
23 33 13 19-0238	EA 32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	595.22	56.97
	For Dynamic Damper, Add	229.12	
	For 3 Hour Rated, Add	127.29	
23 33 13 19-0239	EA 32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.83	60.17
	For Dynamic Damper, Add	240.93	
	For 3 Hour Rated, Add	133.85	
23 33 13 19-0240	EA 36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.67	30.02
	For Dynamic Damper, Add	190.26	
	For 3 Hour Rated, Add	105.70	
23 33 13 19-0241	EA 36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.33	32.38
	For Dynamic Damper, Add	193.35	
	For 3 Hour Rated, Add	107.42	
23 33 13 19-0242	EA 36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	468.00	34.74
	For Dynamic Damper, Add	196.44	
	For 3 Hour Rated, Add	109.13	
23 33 13 19-0243	EA 36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.56	36.97
	For Dynamic Damper, Add	201.09	
	For 3 Hour Rated, Add	111.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0244	EA		36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	501.79	41.69
			For Dynamic Damper, Add	203.43	
			For 3 Hour Rated, Add	113.02	
23 33 13 19-0245	EA		36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	513.04	43.91
			For Dynamic Damper, Add	205.75	
			For 3 Hour Rated, Add	114.31	
23 33 13 19-0246	EA		36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.21	50.86
			For Dynamic Damper, Add	213.49	
			For 3 Hour Rated, Add	118.61	
23 33 13 19-0247	EA		36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	576.42	55.59
			For Dynamic Damper, Add	221.22	
			For 3 Hour Rated, Add	122.90	
23 33 13 19-0248	EA		36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.20	57.40
			For Dynamic Damper, Add	230.52	
			For 3 Hour Rated, Add	128.06	
23 33 13 19-0249	EA		36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	634.63	61.56
			For Dynamic Damper, Add	242.89	
			For 3 Hour Rated, Add	134.94	
23 33 13 19-0250	EA		36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.43	64.76
			For Dynamic Damper, Add	253.73	
			For 3 Hour Rated, Add	140.96	
23 33 13 19-0251	EA		36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	694.32	67.12
			For Dynamic Damper, Add	266.12	
			For 3 Hour Rated, Add	147.84	
23 33 13 19-0252	EA		40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.25	34.74
			For Dynamic Damper, Add	224.09	
			For 3 Hour Rated, Add	124.49	
23 33 13 19-0253	EA		40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.66	36.97
			For Dynamic Damper, Add	230.28	
			For 3 Hour Rated, Add	127.93	
23 33 13 19-0254	EA		40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.48	39.32
			For Dynamic Damper, Add	231.63	
			For 3 Hour Rated, Add	128.79	
23 33 13 19-0255	EA		40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.30	41.69
			For Dynamic Damper, Add	233.38	
			For 3 Hour Rated, Add	129.65	
23 33 13 19-0256	EA		40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.25	43.91
			For Dynamic Damper, Add	238.80	
			For 3 Hour Rated, Add	132.67	
23 33 13 19-0257	EA		40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.24	46.27
			For Dynamic Damper, Add	244.23	
			For 3 Hour Rated, Add	135.68	
23 33 13 19-0258	EA		40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	623.54	53.22
			For Dynamic Damper, Add	250.41	
			For 3 Hour Rated, Add	139.12	
23 33 13 19-0259	EA		40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	648.92	57.81
			For Dynamic Damper, Add	256.61	
			For 3 Hour Rated, Add	142.56	
23 33 13 19-0260	EA		40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	677.24	61.56
			For Dynamic Damper, Add	265.90	
			For 3 Hour Rated, Add	147.72	
23 33 13 19-0261	EA		40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	718.50	64.76
			For Dynamic Damper, Add	282.93	
			For 3 Hour Rated, Add	157.18	
23 33 13 19-0262	EA		40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	746.79	68.51
			For Dynamic Damper, Add	292.20	
			For 3 Hour Rated, Add	162.34	
23 33 13 19-0263	EA		40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	783.90	70.32
			For Dynamic Damper, Add	309.24	
			For 3 Hour Rated, Add	171.80	
23 33 13 19-0264	EA		40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.70	74.07
			For Dynamic Damper, Add	324.73	
			For 3 Hour Rated, Add	180.41	
23 33 13 19-0265	EA		44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.94	34.74
			For Dynamic Damper, Add	227.19	
			For 3 Hour Rated, Add	126.22	
23 33 13 19-0266	EA		44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	543.35	36.97
			For Dynamic Damper, Add	233.38	
			For 3 Hour Rated, Add	129.65	
23 33 13 19-0267	EA		44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.93	39.32
			For Dynamic Damper, Add	238.04	
			For 3 Hour Rated, Add	132.24	
23 33 13 19-0268	EA		44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.75	41.69
			For Dynamic Damper, Add	239.59	
			For 3 Hour Rated, Add	133.10	
23 33 13 19-0269	EA		44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.16	43.91
			For Dynamic Damper, Add	245.78	
			For 3 Hour Rated, Add	136.54	
23 33 13 19-0270	EA		44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	605.57	46.27
			For Dynamic Damper, Add	251.96	
			For 3 Hour Rated, Add	139.98	
23 33 13 19-0271	EA		44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	647.71	55.59
			For Dynamic Damper, Add	259.71	
			For 3 Hour Rated, Add	144.29	
23 33 13 19-0272	EA		44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	675.92	60.17
			For Dynamic Damper, Add	267.44	
			For 3 Hour Rated, Add	148.58	
23 33 13 19-0273	EA		44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	718.50	64.76
			For Dynamic Damper, Add	282.93	
			For 3 Hour Rated, Add	157.18	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 33 13 19-0274	EA 44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	758.21	69.49
	For Dynamic Damper, Add	296.87	
	For 3 Hour Rated, Add	164.93	
23 33 13 19-0275	EA 44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	800.74	74.07
	For Dynamic Damper, Add	312.33	
	For 3 Hour Rated, Add	173.52	
23 33 13 19-0276	EA 44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	833.50	76.29
	For Dynamic Damper, Add	326.27	
	For 3 Hour Rated, Add	181.26	
23 33 13 19-0277	EA 44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	866.26	78.66
	For Dynamic Damper, Add	340.21	
	For 3 Hour Rated, Add	189.00	
23 33 13 19-0278	EA 44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	899.02	81.02
	For Dynamic Damper, Add	354.14	
	For 3 Hour Rated, Add	196.75	
23 33 13 19-0279	EA 48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.48	36.97
	For Dynamic Damper, Add	231.83	
	For 3 Hour Rated, Add	128.79	
23 33 13 19-0280	EA 48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.93	39.32
	For Dynamic Damper, Add	238.04	
	For 3 Hour Rated, Add	132.24	
23 33 13 19-0281	EA 48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.75	41.69
	For Dynamic Damper, Add	239.59	
	For 3 Hour Rated, Add	133.10	
23 33 13 19-0282	EA 48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.24	46.27
	For Dynamic Damper, Add	244.23	
	For 3 Hour Rated, Add	135.68	
23 33 13 19-0283	EA 48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	616.59	50.86
	For Dynamic Damper, Add	250.41	
	For 3 Hour Rated, Add	139.12	
23 33 13 19-0284	EA 48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	641.97	55.59
	For Dynamic Damper, Add	256.61	
	For 3 Hour Rated, Add	142.56	
23 33 13 19-0285	EA 48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	673.07	60.17
	For Dynamic Damper, Add	265.90	
	For 3 Hour Rated, Add	147.72	
23 33 13 19-0286	EA 48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	704.15	64.76
	For Dynamic Damper, Add	275.18	
	For 3 Hour Rated, Add	152.88	
23 33 13 19-0287	EA 48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	743.86	69.49
	For Dynamic Damper, Add	289.12	
	For 3 Hour Rated, Add	160.62	
23 33 13 19-0288	EA 48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	789.28	74.07
	For Dynamic Damper, Add	306.14	
	For 3 Hour Rated, Add	170.08	
23 33 13 19-0289	EA 48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	822.06	76.29
	For Dynamic Damper, Add	320.09	
	For 3 Hour Rated, Add	177.83	
23 33 13 19-0290	EA 48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	863.39	78.66
	For Dynamic Damper, Add	338.66	
	For 3 Hour Rated, Add	188.14	
23 33 13 19-0291	EA 48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	903.10	83.24
	For Dynamic Damper, Add	352.59	
	For 3 Hour Rated, Add	195.89	
23 33 13 19-0292	EA 48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	944.45	85.61
	For Dynamic Damper, Add	371.17	
	For 3 Hour Rated, Add	206.21	
23 33 13 19-0293	EA 48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	988.22	92.56
	For Dynamic Damper, Add	383.56	
	For 3 Hour Rated, Add	213.09	
23 33 13 19-0294	EA 52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	556.06	39.32
	For Dynamic Damper, Add	236.49	
	For 3 Hour Rated, Add	131.38	
23 33 13 19-0295	EA 52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.47	41.69
	For Dynamic Damper, Add	242.68	
	For 3 Hour Rated, Add	134.82	
23 33 13 19-0296	EA 52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.83	46.27
	For Dynamic Damper, Add	248.86	
	For 3 Hour Rated, Add	138.26	
23 33 13 19-0297	EA 52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	616.59	50.86
	For Dynamic Damper, Add	250.41	
	For 3 Hour Rated, Add	139.12	
23 33 13 19-0298	EA 52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	643.41	55.59
	For Dynamic Damper, Add	257.39	
	For 3 Hour Rated, Add	143.00	
23 33 13 19-0299	EA 52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	670.20	60.17
	For Dynamic Damper, Add	264.35	
	For 3 Hour Rated, Add	146.86	
23 33 13 19-0300	EA 52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	701.30	64.76
	For Dynamic Damper, Add	273.64	
	For 3 Hour Rated, Add	152.02	
23 33 13 19-0301	EA 52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	732.40	69.49
	For Dynamic Damper, Add	282.93	
	For 3 Hour Rated, Add	157.18	
23 33 13 19-0302	EA 52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	772.10	74.07
	For Dynamic Damper, Add	296.87	
	For 3 Hour Rated, Add	164.93	
23 33 13 19-0303	EA 52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	820.38	78.66
	For Dynamic Damper, Add	315.43	
	For 3 Hour Rated, Add	175.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	855.99	81.02	
		For Dynamic Damper, Add	330.91		
		For 3 Hour Rated, Add	183.84		
23 33 13 19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	900.23	83.24	
		For Dynamic Damper, Add	351.04		
		For 3 Hour Rated, Add	195.02		
23 33 13 19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	948.51	87.97	
		For Dynamic Damper, Add	369.61		
		For 3 Hour Rated, Add	205.34		
23 33 13 19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	988.22	92.56	
		For Dynamic Damper, Add	383.56		
		For 3 Hour Rated, Add	213.09		
23 33 13 19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,043.46	99.50	
		For Dynamic Damper, Add	402.13		
		For 3 Hour Rated, Add	223.40		
23 33 13 19-0309	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,086.04	104.08	
		For Dynamic Damper, Add	417.61		
		For 3 Hour Rated, Add	232.01		
23 33 13 19-0310	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	568.75	41.69	
		For Dynamic Damper, Add	239.59		
		For 3 Hour Rated, Add	133.10		
23 33 13 19-0311	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	596.96	46.27	
		For Dynamic Damper, Add	247.31		
		For 3 Hour Rated, Add	137.40		
23 33 13 19-0312	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	619.46	50.86	
		For Dynamic Damper, Add	251.96		
		For 3 Hour Rated, Add	139.98		
23 33 13 19-0313	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	636.21	55.59	
		For Dynamic Damper, Add	253.50		
		For 3 Hour Rated, Add	140.84		
23 33 13 19-0314	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	665.90	60.17	
		For Dynamic Damper, Add	262.03		
		For 3 Hour Rated, Add	145.57		
23 33 13 19-0315	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	695.56	64.76	
		For Dynamic Damper, Add	270.54		
		For 3 Hour Rated, Add	150.30		
23 33 13 19-0316	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	725.22	69.49	
		For Dynamic Damper, Add	279.05		
		For 3 Hour Rated, Add	155.03		
23 33 13 19-0317	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	754.88	74.07	
		For Dynamic Damper, Add	287.57		
		For 3 Hour Rated, Add	159.76		
23 33 13 19-0318	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	803.18	78.66	
		For Dynamic Damper, Add	306.14		
		For 3 Hour Rated, Add	170.08		
23 33 13 19-0319	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	844.55	81.02	
		For Dynamic Damper, Add	324.73		
		For 3 Hour Rated, Add	180.41		
23 33 13 19-0320	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	883.03	83.24	
		For Dynamic Damper, Add	341.76		
		For 3 Hour Rated, Add	189.86		
23 33 13 19-0321	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	937.07	87.97	
		For Dynamic Damper, Add	363.43		
		For 3 Hour Rated, Add	201.91		
23 33 13 19-0322	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	985.35	92.56	
		For Dynamic Damper, Add	382.01		
		For 3 Hour Rated, Add	212.23		
23 33 13 19-0323	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,036.51	97.14	
		For Dynamic Damper, Add	402.13		
		For 3 Hour Rated, Add	223.40		
23 33 13 19-0324	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,079.09	101.86	
		For Dynamic Damper, Add	417.61		
		For 3 Hour Rated, Add	232.01		
23 33 13 19-0325	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,130.26	106.45	
		For Dynamic Damper, Add	437.74		
		For 3 Hour Rated, Add	243.19		
23 33 13 19-0326	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,181.43	111.03	
		For Dynamic Damper, Add	457.87		
		For 3 Hour Rated, Add	254.37		
23 33 13 19-0327	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	591.24	46.27	
		For Dynamic Damper, Add	244.23		
		For 3 Hour Rated, Add	135.68		
23 33 13 19-0328	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	619.46	50.86	
		For Dynamic Damper, Add	251.96		
		For 3 Hour Rated, Add	139.98		
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	639.08	55.59	
		For Dynamic Damper, Add	255.05		
		For 3 Hour Rated, Add	141.70		
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	655.87	60.17	
		For Dynamic Damper, Add	256.61		
		For 3 Hour Rated, Add	142.56		
23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	686.97	64.76	
		For Dynamic Damper, Add	265.90		
		For 3 Hour Rated, Add	147.72		
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	718.05	69.49	
		For Dynamic Damper, Add	275.18		
		For 3 Hour Rated, Add	152.88		
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	750.57	74.07	
		For Dynamic Damper, Add	285.24		
		For 3 Hour Rated, Add	158.47		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	783.11	78.66
		For Dynamic Damper, Add	295.30	
		For 3 Hour Rated, Add	164.06	
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	827.33	81.02
		For Dynamic Damper, Add	315.43	
		For 3 Hour Rated, Add	175.24	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	868.68	83.24
		For Dynamic Damper, Add	334.01	
		For 3 Hour Rated, Add	185.56	
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	919.87	87.97
		For Dynamic Damper, Add	354.14	
		For 3 Hour Rated, Add	196.75	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	971.02	92.56
		For Dynamic Damper, Add	374.27	
		For 3 Hour Rated, Add	207.93	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,013.57	97.14
		For Dynamic Damper, Add	389.74	
		For 3 Hour Rated, Add	216.52	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,073.33	101.86
		For Dynamic Damper, Add	414.50	
		For 3 Hour Rated, Add	230.28	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,127.37	106.45
		For Dynamic Damper, Add	436.18	
		For 3 Hour Rated, Add	242.32	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,181.43	111.03
		For Dynamic Damper, Add	457.87	
		For 3 Hour Rated, Add	254.37	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,229.68	115.76
		For Dynamic Damper, Add	476.42	
		For 3 Hour Rated, Add	264.68	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,278.02	120.35
		For Dynamic Damper, Add	495.02	
		For 3 Hour Rated, Add	275.01	

23 33 13 19-0345 Motorized Combination Fire/Smoke Damper (Dayton) (23 33 13 19)

Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.

23 33 13 19-0346	EA	8" Width x 8" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ9)	672.72	25.29
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0347	EA	10" Width x 10" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK1)	686.70	26.40
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0348	EA	12" Width x 12" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK2)	743.87	27.80
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0349	EA	16" Width x 16" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK3)	779.61	29.33
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0350	EA	18" Width x 18" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK4)	834.49	30.86
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0351	EA	24" Width x 24" Height, 120 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGK5)	911.06	32.66
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0352	EA	8" Width x 8" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ3)	675.25	25.29
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0353	EA	10" Width x 10" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ4)	675.23	26.40
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0354	EA	12" Width x 12" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ5)	743.82	27.80
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0355	EA	16" Width x 16" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ6)	779.61	29.33
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0356	EA	18" Width x 18" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ7)	834.49	30.86
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		
23 33 13 19-0357	EA	24" Width x 24" Height, 24 Volt, 1-1/2 Hour, Galvanized Steel, Motorized Combination Fire/Smoke Damper (Dayton 3HGJ8)	892.26	32.66
		Note: Includes damper, motor, actuators and junction box. Excludes electrical connection.		

23 33 13 23 Backdraft Dampers (23 33 13)**23 33 13 23-0001 Horizontally Mounted Backdraft Damper** (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	113.29	15.43
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	137.71	16.12
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	167.76	16.26
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	160.33	16.26
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	152.85	16.68
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	184.12	18.49
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	142.57	16.68
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	178.97	18.49
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	170.68	19.45
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	197.34	20.85

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper.....	160.77		17.65
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper.....	163.19		19.45
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper.....	193.60		20.85
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper.....	170.30		23.21
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper.....	194.06		25.43
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper.....	178.97		18.49
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper.....	182.35		20.85
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper.....	165.51		23.21
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper.....	184.69		23.21
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper.....	210.86		25.43
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper.....	236.99		27.80
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper.....	159.46		19.45
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper.....	148.93		20.85
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper.....	177.48		23.21
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper.....	206.03		25.43
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper.....	234.58		27.80
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper.....	268.67		30.02
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper.....	304.85		34.74
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper.....	246.37		36.97
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper.....	287.29		41.69
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper.....	174.86		20.85
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper.....	165.51		23.21
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper.....	196.44		25.43
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper.....	227.40		27.80
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper.....	263.71		30.02
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper.....	295.42		32.38
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper.....	246.37		36.97
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper.....	261.39		36.97
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper.....	305.32		41.69
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper.....	349.25		46.27
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper.....	324.52		50.86
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper.....	359.86		55.59
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper.....	155.88		23.21
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper.....	191.64		25.43
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper.....	227.40		27.80
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper.....	268.67		30.02
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper.....	230.39		34.74
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper.....	255.37		36.97
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper.....	287.29		41.69
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper.....	305.32		41.69
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper.....	355.27		46.27
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper.....	333.08		50.86
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper.....	372.75		55.59
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper.....	412.38		60.17
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper.....	400.55		64.76
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper.....	435.04		69.49
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper.....	455.64		69.49
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper.....	170.30		23.21
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper.....	210.86		25.43
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper.....	263.71		30.02
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper.....	230.39		34.74
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper.....	258.38		36.97
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper.....	293.31		41.69
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper.....	328.25		46.27
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper.....	349.25		46.27
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper.....	333.08		50.86
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper.....	377.04		55.59
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper.....	420.97		60.17
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper.....	424.73		69.49
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper.....	448.77		69.49
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper.....	486.67		74.07
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper.....	524.62		78.66
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper.....	548.66		78.66
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper.....	544.54		83.24
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper.....	565.54		83.24
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper.....	191.64		25.43
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper.....	248.86		30.02
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper.....	295.42		32.38
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper.....	255.37		36.97
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper.....	293.31		41.69
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper.....	331.23		46.27
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper.....	293.45		46.27
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper.....	324.52		50.86
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper.....	372.75		55.59
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper.....	420.97		60.17
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper.....	428.18		69.49
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper.....	455.64		69.49
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper.....	496.99		74.07
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper.....	538.35		78.66
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper.....	538.52		83.24
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper.....	562.56		83.24
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper.....	600.47		87.97
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper.....	624.52		87.97
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper.....	607.49		92.56
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper.....	628.08		92.56

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	662.58	97.14
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	206.03	25.43
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	275.61	32.38
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	246.37	36.97
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	287.29	41.69
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	328.25	46.27
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	293.45	46.27
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	326.65	50.86
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	359.86	55.59
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	412.38	60.17
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	424.73	69.49
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	455.64	69.49
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	500.40	74.07
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	545.21	78.66
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	547.51	83.24
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	588.47	87.97
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	615.49	87.97
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	602.35	92.56
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	625.51	92.56
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	662.58	97.14
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	685.75	97.14
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	708.94	97.14
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	227.40	27.80
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	302.37	34.74
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	261.39	36.97
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	305.32	41.69
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	349.25	46.27
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	324.52	50.86
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	359.86	55.59
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	395.20	60.17
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	400.55	64.76
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	448.77	69.49
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	496.99	74.07
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	545.21	78.66
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	550.52	83.24
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	594.46	87.97
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	624.52	87.97
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	599.78	92.56
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	253.81	30.02
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	243.36	36.97
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	290.30	41.69
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	337.24	46.27
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	318.06	50.86
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	355.57	55.59
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	379.17	55.59
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	416.68	60.17
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	435.04	69.49
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	486.67	74.07
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	538.35	78.66
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	547.51	83.24
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	594.46	87.97
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	627.50	87.97
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	617.80	92.56
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	631.94	92.56
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	275.61	32.38
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	255.37	36.97
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	305.32	41.69
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	293.45	46.27
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	333.08	50.86
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	372.75	55.59
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	412.38	60.17
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	400.55	64.76
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	455.64	69.49
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	524.62	78.66
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	538.52	83.24
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	588.47	87.97
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	624.52	87.97
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	617.80	92.56
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	662.58	97.14
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	678.03	97.14
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	283.04	32.38
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	275.29	41.69
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	326.74	46.27
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	313.77	50.86
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	354.50	55.59
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	395.20	60.17
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	435.94	64.76
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	423.00	69.49
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	479.81	74.07
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	536.62	78.66
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	550.52	83.24
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	601.98	87.97
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	599.78	92.56
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	631.94	92.56
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	678.03	97.14

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper.....	694.12		97.14
23 33 13 23-0183 Vertically Mounted Backdraft Damper (23 33 13 23)					
Note: Galvanized steel frame, aluminum blades. Excludes motor pack.					
23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper.....	123.45		15.43
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper.....	151.28		16.12
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper.....	155.85		16.26
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper.....	163.00		16.26
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper.....	178.68		16.68
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper.....	198.54		18.49
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper.....	200.12		16.68
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper.....	227.12		18.49
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper.....	229.89		19.45
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper.....	241.22		20.85
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper.....	193.87		17.65
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper.....	204.66		19.45
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper.....	219.28		20.85
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper.....	226.23		23.21
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper.....	243.62		25.43
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper.....	238.44		18.49
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper.....	250.63		20.85
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper.....	219.21		23.21
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper.....	219.21		23.21
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper.....	242.77		25.43
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper.....	249.72		27.80
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper.....	233.00		19.45
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper.....	237.18		20.85
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper.....	256.60		23.21
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper.....	276.03		25.43
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper.....	282.98		27.80
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper.....	289.92		30.02
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper.....	307.98		34.74
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper.....	304.65		36.97
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper.....	334.03		41.69
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper.....	271.50		20.85
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper.....	286.20		23.21
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper.....	293.15		25.43
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper.....	315.55		27.80
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper.....	322.49		30.02
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper.....	329.43		32.38
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper.....	354.96		36.97
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper.....	358.82		36.97
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper.....	372.72		41.69
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper.....	394.36		46.27
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper.....	423.74		50.86
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper.....	437.64		55.59
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper.....	348.11		23.21
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper.....	355.06		25.43
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper.....	362.01		27.80
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper.....	368.95		30.02
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper.....	394.44		34.74
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper.....	420.73		36.97
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper.....	434.63		41.69
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper.....	434.63		41.69
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper.....	386.62		46.27
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper.....	366.12		50.86
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper.....	380.02		55.59
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper.....	404.08		60.17
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper.....	423.05		64.76
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper.....	436.95		69.49
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper.....	436.95		69.49
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper.....	313.22		23.21
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper.....	320.17		25.43
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper.....	334.06		30.02
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper.....	353.03		34.74
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper.....	365.06		36.97
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper.....	378.96		41.69
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper.....	392.86		46.27
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper.....	413.17		46.27
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper.....	427.06		50.86
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper.....	440.96		55.59
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper.....	459.94		60.17
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper.....	492.82		69.49
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper.....	492.82		69.49
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper.....	529.56		74.07
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper.....	496.69		78.66
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper.....	496.69		78.66
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper.....	510.59		83.24
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper.....	521.43		83.24
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper.....	349.89		25.43
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper.....	363.78		30.02
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper.....	375.07		32.38
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper.....	397.63		36.97
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper.....	428.89		41.69

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	442.79	46.27
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	442.79	46.27
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	465.37	50.86
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	479.27	55.59
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	493.17	60.17
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	520.97	69.49
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	534.01	69.49
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	556.58	74.07
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	583.49	78.66
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	597.39	83.24
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	597.39	83.24
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	615.61	87.97
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	630.82	87.97
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	613.26	92.56
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	613.26	92.56
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	641.14	97.14
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	427.72	25.43
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	456.55	32.38
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	470.45	36.97
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	484.35	41.69
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	522.20	46.27
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	522.20	46.27
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	536.09	50.86
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	557.98	55.59
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	575.86	60.17
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	607.64	69.49
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	607.64	69.49
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	653.48	74.07
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	667.38	78.66
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	681.28	83.24
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	703.17	87.97
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	711.16	87.97
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	725.04	92.56
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	727.02	92.56
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	770.85	97.14
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	770.85	97.14
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	770.85	97.14
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	582.38	27.80
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	607.19	34.74
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	614.14	36.97
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	636.04	41.69
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	608.94	46.27
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	622.83	50.86
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	665.19	55.59
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	679.09	60.17
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	707.25	64.76
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	721.15	69.49
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	735.04	74.07
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	748.94	78.66
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	784.19	83.24
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	812.32	87.97
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	812.32	87.97
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	847.58	92.56
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	659.98	30.02
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	687.94	36.97
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	723.19	41.69
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	737.09	46.27
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	775.90	50.86
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	793.37	55.59
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	793.37	55.59
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	823.29	60.17
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	785.23	69.49
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	805.51	74.07
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	851.45	78.66
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	865.35	83.24
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	892.07	87.97
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	898.50	87.97
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	912.38	92.56
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	918.77	92.56
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	738.11	32.38
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	777.65	36.97
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	797.95	41.69
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	831.10	46.27
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	844.99	50.86
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	871.71	55.59
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	885.61	60.17
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	912.30	64.76
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	849.30	69.49
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	902.73	78.66
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	933.72	83.24
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	947.62	87.97
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	947.62	87.97
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	967.20	92.56
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	1,003.89	97.14
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	1,003.89	97.14

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	815.01	32.38
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	854.22	41.69
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	890.91	46.27
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	904.80	50.86
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	935.78	55.59
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	955.39	60.17
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	879.92	64.76
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	893.82	69.49
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	940.09	74.07
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	953.99	78.66
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	967.89	83.24
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	1,011.69	87.97
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	1,025.57	92.56
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	1,040.53	92.56
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	1,070.63	97.14
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	1,099.29	97.14
23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)				
23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	293.76	32.47
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	503.79	32.47
23 33 13 33 Splitter Damper Hardware (23 33 13)				
23 33 13 33-0001	EA	Splitter Damper, Hardware	49.26	9.71
23 33 13 43 Blower Check Valve (23 33 13)				
23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)				
23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	310.45	35.85
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	346.67	40.85
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	445.33	54.20
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	614.89	62.54
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	689.14	75.05
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	1,026.58	95.05
23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)				
23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	428.83	35.85
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	487.36	40.85
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	543.29	54.20
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	761.55	62.54
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	851.03	75.05
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	1,312.96	95.05
23 33 19 Duct Silencers (23 33)				
23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)				
23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	428.24	56.88
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	515.29	65.21
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	670.40	74.92
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	816.73	84.64
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	754.56	84.64
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	967.72	88.79
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,069.83	94.34
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,174.72	99.90
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,544.27	113.77
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	960.07	94.34
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,299.15	113.77
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,310.28	152.61
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,557.35	160.94
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,855.83	173.43
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	3,207.92	188.69
23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)				
23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	478.38	124.87
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	577.24	144.29
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	752.87	166.48
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	917.35	187.30
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	846.67	187.30
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,090.67	198.39
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,201.95	208.11
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,315.33	219.21
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,738.34	249.73
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,077.23	208.11
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,459.80	249.73
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,590.33	328.81
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,891.95	356.56
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,213.74	378.76
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,617.84	416.22

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 33 Air Duct Accessories**
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23 33 19 00-0033	84" Long Packaged Duct Sound Trap (23 33 19)		
23 33 19 00-0034	EA 6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	411.82	104.05
23 33 19 00-0035	EA 6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	707.11	155.39
23 33 19 00-0036	EA 6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	986.19	227.53
23 33 19 00-0037	EA 12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	557.37	124.87
23 33 19 00-0038	EA 12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	693.64	144.29
23 33 19 00-0039	EA 12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	944.11	166.48
23 33 19 00-0040	EA 12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,117.55	178.97
23 33 19 00-0041	EA 12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,219.82	192.85
23 33 19 00-0042	EA 12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,538.70	208.11
23 33 19 00-0043	EA 12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,821.81	227.53
23 33 19 00-0044	EA 24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,045.21	192.85
23 33 19 00-0045	EA 24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,496.17	201.17
23 33 19 00-0046	EA 24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,634.32	208.11
23 33 19 00-0047	EA 24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,780.95	219.21
23 33 19 00-0048	EA 24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,238.05	235.86
23 33 19 00-0049	EA 24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,428.46	249.73

23 33 23 Turning Vanes (23 33)

23 33 23 00-0001	Duct Turning Vane Components (23 33 23)		
23 33 23 00-0002	LF Duct Turning Vane Rail.....	14.90	3.47
	<i>For Stainless Steel, Add</i>	10.02	
23 33 23 00-0003	LF Double Thick Factory Fabricated, Duct Turning Vane.....	14.49	1.39
	<i>For Stainless Steel, Add</i>	15.09	

23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF 12" High Duct Turning Vanes, Sets.....	59.82	5.20
	<i>For Stainless Steel, Add</i>	69.32	
23 33 23 00-0006	LF 14" High Duct Turning Vanes, Sets.....	74.39	5.55
	<i>For Stainless Steel, Add</i>	87.69	
23 33 23 00-0007	LF 16" High Duct Turning Vanes, Sets.....	101.78	5.82
	<i>For Stainless Steel, Add</i>	122.77	
23 33 23 00-0008	LF 18" High Duct Turning Vanes, Sets.....	129.24	6.25
	<i>For Stainless Steel, Add</i>	157.86	
23 33 23 00-0009	LF 20" High Duct Turning Vanes, Sets.....	143.22	6.66
	<i>For Stainless Steel, Add</i>	175.37	
23 33 23 00-0010	LF 22" High Duct Turning Vanes, Sets.....	183.19	6.25
	<i>For Stainless Steel, Add</i>	228.02	
23 33 23 00-0011	LF 24" High Duct Turning Vanes, Sets.....	225.12	7.35
	<i>For Stainless Steel, Add</i>	280.63	
23 33 23 00-0012	LF 26" High Duct Turning Vanes, Sets.....	241.73	7.69
	<i>For Stainless Steel, Add</i>	301.76	
23 33 23 00-0013	LF 30" High Duct Turning Vanes, Sets.....	269.96	7.99
	<i>For Stainless Steel, Add</i>	337.96	

23 33 33 Duct-Mounting Access Doors (23 33)

23 33 33 00-0001	Duct Access Doors, Insulated Factory Fabrication (23 33 33)		
23 33 33 00-0002	EA 6" x 6" Duct Access Doors Insulated Factory Fabrication.....	107.71	19.43
	<i>For Stainless Steel, Add</i>	59.34	
23 33 33 00-0003	EA 10" x 10" Duct Access Doors Insulated Factory Fabrication.....	113.95	19.43
	<i>For Stainless Steel, Add</i>	71.82	
23 33 33 00-0004	EA 12" x 12" Duct Access Doors Insulated Factory Fabrication.....	116.99	19.43
	<i>For Stainless Steel, Add</i>	77.90	
23 33 33 00-0005	EA 12" x 18" Duct Access Doors Insulated Factory Fabrication.....	150.97	23.58
	<i>For Stainless Steel, Add</i>	109.84	
23 33 33 00-0006	EA 16" x 12" Duct Access Doors Insulated Factory Fabrication.....	152.21	23.58
	<i>For Stainless Steel, Add</i>	112.32	
23 33 33 00-0007	EA 18" x 18" Duct Access Doors Insulated Factory Fabrication.....	189.50	31.91
	<i>For Stainless Steel, Add</i>	129.26	
23 33 33 00-0008	EA 24" x 18" Duct Access Doors Insulated Factory Fabrication.....	225.68	38.84
	<i>For Stainless Steel, Add</i>	139.20	
23 33 33 00-0009	EA 24" x 24" Duct Access Doors Insulated Factory Fabrication.....	293.57	52.72
	<i>For Stainless Steel, Add</i>	170.92	

23 33 43 Flexible Connectors (23 33)

23 33 43 00-0001	LF 6-1/2" Width, Galvanized Steel, Flexible Duct Connector.....	17.46	4.16
23 33 43 00-0002	LF 5-3/4" Width, Vinyl/Steel, Flexible Duct Connector.....	17.91	3.74

23 33 46 Flexible Ducts (23 33)

23 33 46 00-0001	Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)		
	Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002	LF 4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	9.93	1.39
	<i>For R6.0 Insulated Flexible Duct, Deduct</i>	-1.02	
	<i>For R4.2 Insulated Flexible Duct, Deduct</i>	-1.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0003	LF		5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	10.96	2.78
			For R6.0 Insulated Flexible Duct, Deduct	-1.08	
			For R4.2 Insulated Flexible Duct, Deduct	-1.26	
23 33 46 00-0004	LF		6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	12.28	2.78
			For R6.0 Insulated Flexible Duct, Deduct	-1.10	
			For R4.2 Insulated Flexible Duct, Deduct	-1.29	
23 33 46 00-0005	LF		7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	14.25	2.78
			For R6.0 Insulated Flexible Duct, Deduct	-1.24	
			For R4.2 Insulated Flexible Duct, Deduct	-1.44	
23 33 46 00-0006	LF		8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	16.64	4.16
			For R6.0 Insulated Flexible Duct, Deduct	-1.25	
			For R4.2 Insulated Flexible Duct, Deduct	-1.46	
23 33 46 00-0007	LF		10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	21.55	4.16
			For R6.0 Insulated Flexible Duct, Deduct	-1.68	
			For R4.2 Insulated Flexible Duct, Deduct	-1.96	
23 33 46 00-0008	LF		12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	28.86	5.55
			For R6.0 Insulated Flexible Duct, Deduct	-2.00	
			For R4.2 Insulated Flexible Duct, Deduct	-2.33	
23 33 46 00-0009	LF		14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	35.87	5.55
			For R6.0 Insulated Flexible Duct, Deduct	-2.44	
			For R4.2 Insulated Flexible Duct, Deduct	-2.84	
23 33 46 00-0010	LF		16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	46.75	6.94
			For R6.0 Insulated Flexible Duct, Deduct	-2.91	
			For R4.2 Insulated Flexible Duct, Deduct	-3.40	
23 33 46 00-0011	LF		18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	57.04	9.01
			For R6.0 Insulated Flexible Duct, Deduct	-3.79	
			For R4.2 Insulated Flexible Duct, Deduct	-4.42	
23 33 46 00-0012	LF		20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket.....	67.62	9.71
			For R6.0 Insulated Flexible Duct, Deduct	-5.72	
			For R4.2 Insulated Flexible Duct, Deduct	-6.67	
23 33 46 00-0013 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)					
23 33 46 00-0014	EA		Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	54.79	8.32
			For Stainless Steel, Add	30.64	
23 33 46 00-0015	EA		5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	59.55	9.71
			For Stainless Steel, Add	31.04	
23 33 46 00-0016	EA		6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	67.95	9.71
			For Stainless Steel, Add	34.23	
23 33 46 00-0017	EA		7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	77.12	12.48
			For Stainless Steel, Add	35.32	
23 33 46 00-0018	EA		8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	93.12	15.26
			For Stainless Steel, Add	39.90	
23 33 46 00-0019	EA		10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	109.20	18.04
			For Stainless Steel, Add	49.19	
23 33 46 00-0020	EA		12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	124.02	20.81
			For Stainless Steel, Add	53.00	
23 33 46 00-0021	EA		14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	146.78	23.58
			For Stainless Steel, Add	66.37	
23 33 46 00-0022	EA		16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	159.90	26.36
			For Stainless Steel, Add	72.61	
23 33 46 00-0023	EA		18" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	178.52	29.83
			For Stainless Steel, Add	78.78	
23 33 46 00-0024	EA		20" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	208.65	31.91
			For Stainless Steel, Add	108.91	
23 33 53 Duct Liners (23 33)					
23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)					
23 33 53 00-0002	SF		1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	13.28	3.78
23 33 53 00-0003	SF		3/4" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	14.51	3.78
23 33 53 00-0004	SF		1" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	16.06	5.05
23 33 53 00-0005	SF		1-1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	19.61	5.05
23 33 53 00-0006	SF		2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	23.65	5.68
23 33 53 00-0007	SF		1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board.....	12.77	4.16
23 33 53 00-0008	SF		3/4" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board.....	13.98	4.16
23 33 53 00-0009	SF		1" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board.....	15.51	5.55
23 33 53 00-0010	SF		1-1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board.....	18.81	5.55
23 33 53 00-0011	SF		2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board.....	22.78	6.25
23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)					
23 33 53 00-0013	SF		1/2", R2, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	2.26	3.33
23 33 53 00-0014	SF		1", R3.8, 1.5 Lb./CF, T150, Fiberglass Duct Liner Blanket	2.82	3.74
23 33 53 00-0015	SF		1", R4.1, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	3.09	3.74
23 33 53 00-0016	SF		1", R4.3, 3 Lb./CF, T300, Fiberglass Duct Liner Blanket	3.86	3.74
23 33 53 00-0017	SF		1-1/2", T150, 1.5 Lb./CF, Fiberglass Duct Liner Blanket	3.30	4.16

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23 33 53 00-0018	SF	2", R7.7, 1.5 Lb./CF, T150 Fiberglass Duct Liner Blanket	3.50	4.58
23 33 53 00-0019	SF	2", R8, 2 Lb./CF, T200 Fiberglass Duct Liner Blanket	5.17	4.58

23 33 56 Duct Air Extractors (23 33)

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	68.43	22.90
		For Stainless Steel, Add	29.45	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	72.60	24.97
		For Stainless Steel, Add	29.45	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	84.06	26.36
		For Stainless Steel, Add	40.74	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	95.24	27.75
		For Stainless Steel, Add	51.68	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	126.68	30.52
		For Stainless Steel, Add	85.33	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	90.62	27.75
		For Stainless Steel, Add	45.67	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	120.20	34.69
		For Stainless Steel, Add	66.09	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	129.00	39.54
		For Stainless Steel, Add	64.90	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	157.67	46.47
		For Stainless Steel, Add	84.12	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	180.32	55.49
		For Stainless Steel, Add	90.13	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	225.64	69.37
		For Stainless Steel, Add	112.97	

23 33 59 Duct Pressure Relief Doors (23 33)**23 33 59 00-0001 Duct Pressure Relief Doors** (23 33 59)

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,297.17	41.62
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,065.90	34.69
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,057.16	38.16

23 34 HVAC Fans (23 30)**23 34 13 Axial HVAC Fans** (23 34)**23 34 13 00-0001 Tube-Axial Fans** (23 34 13)**23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans** (23 34 13 00-0001)

23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	2,047.77	426.16
		For 1/4" Static Pressure, Add	95.57	
		For 3/8" Static Pressure, Add	191.14	
		For 1/2" Static Pressure, Add	262.81	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	2,133.10	427.43
		For 1/4" Static Pressure, Add	102.39	
		For 3/8" Static Pressure, Add	204.79	
		For 1/2" Static Pressure, Add	281.58	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	2,303.76	426.16
		For 1/4" Static Pressure, Add	116.05	
		For 3/8" Static Pressure, Add	232.09	
		For 1/2" Static Pressure, Add	319.13	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	2,474.42	427.43
		For 1/4" Static Pressure, Add	129.70	
		For 3/8" Static Pressure, Add	259.40	
		For 1/2" Static Pressure, Add	356.68	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	2,901.03	511.90
		For 1/4" Static Pressure, Add	150.18	
		For 3/8" Static Pressure, Add	300.36	
		For 1/2" Static Pressure, Add	412.99	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	3,331.38	556.69
		For 1/4" Static Pressure, Add	177.48	
		For 3/8" Static Pressure, Add	354.97	
		For 1/2" Static Pressure, Add	488.08	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	3,522.69	609.16
		For 1/4" Static Pressure, Add	184.31	
		For 3/8" Static Pressure, Add	368.62	
		For 1/2" Static Pressure, Add	506.85	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	4,010.27	639.88
		For 1/4" Static Pressure, Add	218.44	
		For 3/8" Static Pressure, Add	436.88	
		For 1/2" Static Pressure, Add	600.71	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	4,842.18	799.84
		For 1/4" Static Pressure, Add	259.40	
		For 3/8" Static Pressure, Add	518.80	
		For 1/2" Static Pressure, Add	713.35	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	5,460.80	853.59
		For 1/4" Static Pressure, Add	300.36	
		For 3/8" Static Pressure, Add	600.72	
		For 1/2" Static Pressure, Add	825.98	
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	6,405.95	984.13
		For 1/4" Static Pressure, Add	354.97	
		For 3/8" Static Pressure, Add	709.94	
		For 1/2" Static Pressure, Add	976.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0014			Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)		
23 34 13 00-0015	EA		15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	1,943.25	413.36
			For 1/4" Static Pressure, Add	89.41	
			For 3/8" Static Pressure, Add	178.82	
			For 1/2" Static Pressure, Add	245.87	
23 34 13 00-0016	EA		15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	2,059.00	427.43
			For 1/4" Static Pressure, Add	96.47	
			For 3/8" Static Pressure, Add	192.93	
			For 1/2" Static Pressure, Add	265.28	
23 34 13 00-0017	EA		18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	2,127.62	441.51
			For 1/4" Static Pressure, Add	99.60	
			For 3/8" Static Pressure, Add	199.21	
			For 1/2" Static Pressure, Add	273.91	
23 34 13 00-0018	EA		18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	2,250.64	456.87
			For 1/4" Static Pressure, Add	106.92	
			For 3/8" Static Pressure, Add	213.85	
			For 1/2" Static Pressure, Add	294.04	
23 34 13 00-0019	EA		18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	2,532.85	474.78
			For 1/4" Static Pressure, Add	126.79	
			For 3/8" Static Pressure, Add	253.58	
			For 1/2" Static Pressure, Add	348.68	
23 34 13 00-0020	EA		24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	2,670.62	492.70
			For 1/4" Static Pressure, Add	134.90	
			For 3/8" Static Pressure, Add	269.79	
			For 1/2" Static Pressure, Add	370.96	
23 34 13 00-0021	EA		24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	2,984.49	511.90
			For 1/4" Static Pressure, Add	156.86	
			For 3/8" Static Pressure, Add	313.71	
			For 1/2" Static Pressure, Add	431.35	
23 34 13 00-0022	EA		24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	3,358.27	511.90
			For 1/4" Static Pressure, Add	186.89	
			For 3/8" Static Pressure, Add	373.78	
			For 1/2" Static Pressure, Add	513.94	
23 34 13 00-0023	EA		30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	3,888.55	556.69
			For 1/4" Static Pressure, Add	222.21	
			For 3/8" Static Pressure, Add	444.42	
			For 1/2" Static Pressure, Add	611.08	
23 34 13 00-0024	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	4,612.09	674.43
			For 1/4" Static Pressure, Add	261.43	
			For 3/8" Static Pressure, Add	522.85	
			For 1/2" Static Pressure, Add	718.92	
23 34 13 00-0025	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure.....	5,243.46	674.43
			For 1/4" Static Pressure, Add	311.48	
			For 3/8" Static Pressure, Add	622.96	
			For 1/2" Static Pressure, Add	856.57	
23 34 13 00-0026	EA		36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure.....	5,769.33	711.54
			For 1/4" Static Pressure, Add	347.79	
			For 3/8" Static Pressure, Add	695.58	
			For 1/2" Static Pressure, Add	956.43	
23 34 13 00-0027	EA		36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	6,299.17	752.50
			For 1/4" Static Pressure, Add	383.77	
			For 3/8" Static Pressure, Add	767.54	
			For 1/2" Static Pressure, Add	1,055.37	
23 34 13 00-0028	EA		36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	7,191.33	984.13
			For 1/4" Static Pressure, Add	418.28	
			For 3/8" Static Pressure, Add	836.56	
			For 1/2" Static Pressure, Add	1,150.27	
23 34 13 00-0029	EA		36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure.....	8,192.43	985.41
			For 1/4" Static Pressure, Add	498.37	
			For 3/8" Static Pressure, Add	996.74	
			For 1/2" Static Pressure, Add	1,370.52	
23 34 13 00-0030	EA		42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure.....	9,259.45	1,163.03
			For 1/4" Static Pressure, Add	555.29	
			For 3/8" Static Pressure, Add	1,110.57	
			For 1/2" Static Pressure, Add	1,527.04	
23 34 16			Centrifugal HVAC Fans (23 34)		
23 34 16 00-0001			Centrifugal Fans (23 34 16)		
			Note: All belt fans to be supplied with belt guard.		
23 34 16 00-0002			Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001)		
			Note: V-belt driven.		
23 34 16 00-0003			Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)		
			Note: Under 30" diameter wheel.		
23 34 16 00-0004			12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0005	EA		1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,373.67	281.16
23 34 16 00-0006	EA		1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,958.18	291.78
23 34 16 00-0007	EA		1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,015.71	232.53
23 34 16 00-0008	EA		1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,104.83	318.66
23 34 16 00-0009	EA		3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,157.67	337.85
23 34 16 00-0010	EA		1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,227.06	351.93
23 34 16 00-0011	EA		1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,297.87	374.97
23 34 16 00-0012			13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,254.62	307.14
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,296.04	318.66
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,372.72	337.85
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,417.91	351.93
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,501.17	374.97
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,583.30	392.89

23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,272.18	318.66
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,325.02	337.85
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,394.05	351.93
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,453.45	374.97
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,527.63	392.89
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,631.91	422.31
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,713.29	444.07

23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,599.37	337.85
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,693.19	351.93
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,797.92	374.97
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,853.58	392.89
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,927.42	422.31
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,990.29	444.07
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,319.74	482.46

23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,686.30	351.93
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,751.65	374.97
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,837.78	392.89
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,906.28	422.31
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,999.58	444.07
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,140.82	482.46
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,232.85	511.90
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,370.74	563.09

23 34 16 00-0044 20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,715.88	374.97
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,801.97	392.89
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,906.28	422.31
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,999.58	444.07
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,176.60	482.46
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,421.99	511.90
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,596.71	563.09
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,776.93	602.77

23 34 16 00-0053 22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,259.24	392.89
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,322.14	422.31
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,407.13	444.07
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,514.57	482.46
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,655.29	511.90
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,706.04	563.09
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,800.78	602.77
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,970.11	675.70

23 34 16 00-0062 24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,916.21	422.31
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,047.37	482.46
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,175.19	511.90
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,312.41	563.09
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,432.98	602.77
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,542.68	675.70
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,691.35	734.57
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	5,037.19	844.64

23 34 16 00-0071 27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0003)

23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,337.55	444.07
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,473.41	511.90
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,610.61	563.09
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,731.20	602.77
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,900.53	675.70
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,048.84	734.57
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,420.03	844.64
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,477.60	938.05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 34 16 00-0080	Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002) Note: Over 30" diameter wheel.	
23 34 16 00-0081	30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0080)	
23 34 16 00-0082	EA 1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,071.85 563.09
23 34 16 00-0083	EA 3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,187.74 602.77
23 34 16 00-0084	EA 1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,367.73 675.70
23 34 16 00-0085	EA 1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,527.96 734.57
23 34 16 00-0086	EA 2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,766.82 844.64
23 34 16 00-0087	EA 3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,980.58 938.05
23 34 16 00-0088	EA 5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,336.55 1,126.18
23 34 16 00-0089	EA 7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,664.59 1,298.95
23 34 16 00-0090	33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0080)	
23 34 16 00-0091	EA 1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,116.89 602.77
23 34 16 00-0092	EA 3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,345.86 675.70
23 34 16 00-0093	EA 1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,554.18 734.57
23 34 16 00-0094	EA 1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,840.39 844.64
23 34 16 00-0095	EA 2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,101.87 938.05
23 34 16 00-0096	EA 3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,505.53 1,126.18
23 34 16 00-0097	EA 5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,953.23 1,298.95
23 34 16 00-0098	EA 7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,597.28 1,689.27
23 34 16 00-0099	36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0080)	
23 34 16 00-0100	EA 1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,598.76 675.70
23 34 16 00-0101	EA 3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,814.22 734.57
23 34 16 00-0102	EA 1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,494.06 844.64
23 34 16 00-0103	EA 1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,953.56 938.05
23 34 16 00-0104	EA 2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,524.51 1,126.18
23 34 16 00-0105	EA 3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,964.70 1,298.95
23 34 16 00-0106	EA 5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,890.47 1,689.27
23 34 16 00-0107	EA 7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	11,672.86 2,111.58
23 34 16 00-0108	Kitchen System Fans (23 34 16 00-0001)	
23 34 16 00-0109	Upblast Kitchen Exhaust Fans (23 34 16 00-0108)	
23 34 16 00-0110	Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109) Note: Greenheck CUE.	
23 34 16 00-0111	EA Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,448.15 166.36
	Note: 115V. For roof or wall installations. Includes disconnect switch.	
	For Bird Screen, Add	63.20
	For Backdraft Damper, Add	179.47
	For Damper Motor, Add	292.71
23 34 16 00-0112	EA 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,699.22 166.36
	Note: 115V. For roof or wall installations. Includes disconnect switch.	
	For Bird Screen, Add	63.20
	For Backdraft Damper, Add	179.47
	For Damper Motor, Add	292.71
23 34 16 00-0113	Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109) Note: Greenheck CUBE.	
23 34 16 00-0114	EA 10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,492.32 166.36
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	
	For Bird Screen, Add	63.20
	For Wall Mounted Fan, Add	99.69
	For 3 Phase Motor, Deduct	-50.00
	For Totally Enclosed Motor, Add	85.00
	For Backdraft Damper, Add	179.47
	For Damper Motor, Add	292.71
	For Grease Trap Kit, Add	76.41
	For Hinged Curb Kit, Add	183.57
23 34 16 00-0115	EA 12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,601.28 166.36
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	
	For Bird Screen, Add	63.20
	For Wall Mounted Fan, Add	104.05
	For 3 Phase Motor, Deduct	-50.00
	For Totally Enclosed Motor, Add	85.00
	For Backdraft Damper, Add	179.47
	For Damper Motor, Add	292.71
23 34 16 00-0116	EA 14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,231.88 191.97
	Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	
	For Bird Screen, Add	71.91
	For Wall Mounted Fan, Add	89.28
	For 3 Phase Motor, Deduct	-50.00
	For Totally Enclosed Motor, Add	85.00
	For Backdraft Damper, Add	203.77
	For Damper Motor, Add	292.71

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,388.78	191.97
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	71.91	
		For Wall Mounted Fan, Add	95.55	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Backdraft Damper, Add	203.77	
		For Damper Motor, Add	292.71	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,036.80	223.96
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	71.91	
		For Wall Mounted Fan, Add	121.47	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Backdraft Damper, Add	203.77	
		For Damper Motor, Add	292.71	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,204.60	223.96
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	71.91	
		For Wall Mounted Fan, Add	128.18	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Backdraft Damper, Add	203.77	
		For Damper Motor, Add	292.71	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP, 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,491.55	239.96
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	119.86	
		For Wall Mounted Fan, Add	139.66	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Backdraft Damper, Add	254.94	
		For Damper Motor, Add	292.71	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	255.99	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,753.06	239.96
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	119.86	
		For Wall Mounted Fan, Add	150.12	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Backdraft Damper, Add	254.94	
		For Damper Motor, Add	292.71	
		For Grease Trap Kit, Add	76.41	
		For Hinged Curb Kit, Add	278.22	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,815.57	255.95
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	119.86	
		For Wall Mounted Fan, Add	152.62	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Backdraft Damper, Add	254.94	
		For Damper Motor, Add	292.71	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	4,183.85	255.95
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	119.86	
		For Wall Mounted Fan, Add	167.35	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Backdraft Damper, Add	254.94	
		For Damper Motor, Add	292.71	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	4,818.79	287.94
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	141.65	
		For Wall Mounted Fan, Add	192.75	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Backdraft Damper, Add	276.25	
		For Damper Motor, Add	292.71	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	5,156.57	287.94
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	141.65	
		For Wall Mounted Fan, Add	206.26	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Backdraft Damper, Add	276.25	
		For Damper Motor, Add	292.71	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	6,111.85	319.94
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	152.54	
		For Wall Mounted Fan, Add	244.47	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Backdraft Damper, Add	306.51	
		For Damper Motor, Add	292.71	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	6,222.99	319.94
		Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	152.54	
		For Wall Mounted Fan, Add	248.92	
		For 3 Phase Motor, Deduct	-50.00	
		For Totally Enclosed Motor, Add	85.00	
		For Backdraft Damper, Add	306.51	
		For Damper Motor, Add	292.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0128	EA		30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 6,787.40 Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 152.54 For Wall Mounted Fan, Add 271.50 For Totally Enclosed Motor, Add 85.00 For Backdraft Damper, Add 306.51 For Damper Motor, Add 292.71 For Grease Trap Kit, Add 76.41 For Hinged Curb Kit, Add 522.54		319.94
23 34 16 00-0129	EA		30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 7,059.80 Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 152.54 For Wall Mounted Fan, Add 282.39 For Totally Enclosed Motor, Add 85.00 For Backdraft Damper, Add 306.51 For Damper Motor, Add 292.71 For Grease Trap Kit, Add 76.41 For Hinged Curb Kit, Add 545.69		319.94
23 34 16 00-0130	EA		36" Diameter Wheel, 3 HP, 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 7,773.51 Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 174.34 For Wall Mounted Fan, Add 310.94 For Totally Enclosed Motor, Add 85.00 For Damper Motor, Add 292.71 For Backdraft Damper, Add 361.07 For Grease Trap Kit, Add 76.41 For Hinged Curb Kit, Add 600.92		351.93
23 34 16 00-0131	EA		36" Diameter Wheel, 5 HP, 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 8,086.77 Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 174.34 For Wall Mounted Fan, Add 323.47 For Totally Enclosed Motor, Add 85.00 For Damper Motor, Add 292.71 For Backdraft Damper, Add 361.07 For Grease Trap Kit, Add 76.41 For Hinged Curb Kit, Add 627.55		351.93
23 34 16 00-0132	EA		42" Diameter Wheel, 3 HP, 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 8,159.55 Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 174.34 For Totally Enclosed Motor, Add 85.00 For Damper Motor, Add 292.71 For Backdraft Damper, Add 419.82		383.92
23 34 16 00-0133	EA		42" Diameter Wheel, 7-1/2 HP, 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan 8,847.30 Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch. For Bird Screen, Add 174.34 For Totally Enclosed Motor, Add 85.00 For Damper Motor, Add 292.71 For Backdraft Damper, Add 419.82		383.92
23 34 16 00-0134			Untempered Kitchen Make-Up Air Fans (23 34 16 00-0108) Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135			Direct Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0136	EA		7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan 1,679.91 Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		166.36
23 34 16 00-0137	EA		8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan 1,765.20 Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		166.36
23 34 16 00-0138	EA		9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan 1,869.87 Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		166.36
23 34 16 00-0139			Belt Drive Kitchen Make-Up Air Fans (23 34 16 00-0134)		
23 34 16 00-0140	EA		9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan 1,910.47 Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		166.36
23 34 16 00-0141	EA		10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan 2,141.97 Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		223.96
23 34 16 00-0142	EA		12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan 2,582.14 Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		255.95
23 34 16 00-0143	EA		15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan 2,993.42 Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		319.94
23 34 16 00-0144	EA		18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan 3,622.54 Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		383.92
23 34 16 00-0145			Replacement Parts (23 34 16 00-0001)		
23 34 16 00-0146			Replace Belts And Accessories (23 34 16 00-0145)		
23 34 16 00-0147	EA		Fan Shaft Bearing, Replacement 952.28		426.53
23 34 16 00-0148	EA		Fan Belt, Replacement 155.46		57.85
23 34 16 00-0149			Corrosive Fume Resistant Plastic (23 34 16 00-0001)		
23 34 16 00-0150			Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure (23 34 16 00-0149)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,542.29	231.00
		<i>For Explosion Proof Motor, Add</i>	912.05	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	7,109.04	277.48
		<i>For Explosion Proof Motor, Add</i>	983.11	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,432.25	346.85
		<i>For Explosion Proof Motor, Add</i>	1,160.78	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	9,058.86	462.69
		<i>For Explosion Proof Motor, Add</i>	1,220.01	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	10,389.39	693.69
		<i>For Explosion Proof Motor, Add</i>	1,350.30	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	17,936.04	1,387.39
		<i>For Explosion Proof Motor, Add</i>	2,274.19	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	26,155.61	1,983.27
		<i>For Explosion Proof Motor, Add</i>	3,328.37	

23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive (23 34 16 00-0149)

23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,542.29	231.00
		<i>For Explosion Proof Motor, Add</i>	912.05	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,714.21	277.48
		<i>For Explosion Proof Motor, Add</i>	923.89	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,852.95	346.85
		<i>For Explosion Proof Motor, Add</i>	923.89	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	7,084.74	462.69
		<i>For Explosion Proof Motor, Add</i>	923.89	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,757.67	693.69
		<i>For Explosion Proof Motor, Add</i>	1,255.54	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,104.52	867.12
		<i>For Explosion Proof Motor, Add</i>	1,255.54	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,354.79	992.26
		<i>For Explosion Proof Motor, Add</i>	1,255.54	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,609.30	1,040.54
		<i>For Explosion Proof Motor, Add</i>	1,279.23	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,919.49	1,156.11
		<i>For Explosion Proof Motor, Add</i>	1,291.08	

23 34 16 00-0168 In-Line Duct Fans (23 34 16 00-0001)**23 34 16 00-0169 Direct Drive In-Line Duct Fans (23 34 16 00-0168)**

Note: Greenheck SQ.

23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan	1,733.22	166.36
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	2,215.01	179.17
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	2,428.90	191.97
		Note: 115V. Includes disconnect switch.		

23 34 16 00-0173 Belt Drive In-Line Duct Fans (23 34 16 00-0168)

Note: Greenheck BSQ.

23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	2,537.82	191.97
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	2,916.80	223.96
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan	3,280.32	223.96
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	3,589.37	223.96
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan	3,495.88	255.95
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	4,019.26	255.95
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan	5,114.65	319.94
		Note: 115/208-230/60/1. Includes disconnect switch.		
		<i>For 3 Phase Motor, Deduct</i>	-50.00	
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	5,403.57	319.94
		Note: 230/460/60/3. Includes disconnect switch.		
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	5,607.24	319.94
		Note: Belt drive. 230/460/60/3. Includes disconnect switch.		
		<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	6,484.87	383.92
		Note: 230/460/60/3. Includes disconnect switch.		
		<i>For Totally Enclosed Motor, Add</i>	85.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0184	EA		30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. For Totally Enclosed Motor, Add	6,727.96 85.00	383.92
23 34 16 00-0185	EA		30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch. For Totally Enclosed Motor, Add	7,026.70 85.00	383.92
23 34 16 00-0186 In-Line Cabinet Fans (23 34 16 00-0001)					
23 34 16 00-0187	EA		77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	552.53	111.97
23 34 16 00-0188	EA		91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	552.53	111.97
23 34 16 00-0189	EA		82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	627.38	118.37
23 34 16 00-0190	EA		281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	693.48	118.37
23 34 16 00-0191	EA		190 CFM, 115 Volt, Direct Drive Cabinet Fan.....	874.04	118.37
23 34 16 00-0192	EA		217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	722.99	118.37
23 34 16 00-0193	EA		325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	826.75	118.37
23 34 16 00-0194	EA		250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan.....	1,559.12	118.37
23 34 16 00-0195	EA		419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	971.77	124.77
23 34 16 00-0196	EA		334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	988.05	124.77
23 34 16 00-0197	EA		350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan.....	1,622.79	124.77
23 34 16 00-0198	EA		527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	988.05	124.77
23 34 16 00-0199	EA		631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,328.80	124.77
23 34 16 00-0200	EA		752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,328.80	124.77
23 34 16 00-0201	EA		1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan.....	1,328.80	124.77
23 34 16 00-0202	EA		999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,442.73	124.77
23 34 16 00-0203 Propeller And Ceiling Fans (23 34 16)					
23 34 16 00-0204 Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0203)					
Note: Greenheck SE1.					
23 34 16 00-0205	EA		1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard. For Backdraft Damper, Add For Wall Mount Collar, Add	771.62 208.49 297.79	136.93
23 34 16 00-0206	EA		1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard. For Backdraft Damper, Add For Wall Mount Collar, Add	817.59 223.83 297.79	152.29
23 34 16 00-0207	EA		1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard. For Backdraft Damper, Add For Wall Mount Collar, Add	905.34 245.15 305.60	168.93
23 34 16 00-0208	EA		1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	1,321.64 293.33 311.25 256.85	186.84
23 34 16 00-0209	EA		1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	1,112.98 293.33 319.07 273.37	207.32
23 34 16 00-0210	EA		1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	1,249.67 356.45 326.87 289.91	230.36
23 34 16 00-0211	EA		1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	1,422.72 356.45 332.51 312.97	255.95
23 34 16 00-0212 Belt Drive Propeller Exhaust Fans (23 34 16 00-0203)					
Note: Wall shutter 1/8" static pressure, with bird screen.					
23 34 16 00-0213	EA		24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter.....	2,630.32	366.01
23 34 16 00-0214	EA		30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter.....	3,013.21	426.16
23 34 16 00-0215	EA		36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter.....	3,420.67	511.90
23 34 16 00-0216	EA		42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....	4,756.26	639.88
23 34 16 00-0217	EA		48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter.....	5,682.21	853.59
23 34 16 00-0218	EA		54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter.....	7,901.06	1,279.75
23 34 16 00-0219	EA		60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....	9,493.05	1,640.63
23 34 16 00-0220 Propeller Exhaust Fan Accessories (23 34 16 00-0203)					
23 34 16 00-0221	SF		Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....	135.51	
23 34 16 00-0222	SF		Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....	311.46	
23 34 16 00-0223 Reversible Ceiling Fans (23 34 16 00-0203)					
23 34 16 00-0224 4 Blade Ceiling Fans (23 34 16 00-0223)					
23 34 16 00-0225	EA		42" 4-Blade Ceiling Fan, Three Speed For Brass Plated Motor, Add For Light Kit, Add	606.76 20.25 26.07	64.28
23 34 16 00-0226 5 Blade Ceiling Fans (23 34 16 00-0223)					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 34 16 00-0227	EA	42" 5-Blade Ceiling Fan, Three Speed	664.13	159.07	
		For Brass Plated Motor, Add	20.25		
		For Light Kit, Add	26.14		
23 34 16 00-0228	EA	52" 5-Blade Ceiling Fan, Three Speed	758.38	159.07	
		For Brass Plated Motor, Add	20.25		
		For Light Kit, Add	26.27		
23 34 16 00-0229		3 Blade Weatherproof Ceiling Fans (23 34 16 00-0223)			
23 34 16 00-0230	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	635.52	63.35	
23 34 16 00-0231		Ceiling Fan Down Rod (23 34 16 00-0223)			
23 34 16 00-0232	EA	1' Ceiling Fan Down Rod	24.32		
23 34 16 00-0233	EA	1-1/2' Ceiling Fan Down Rod	32.00		
23 34 16 00-0234	EA	2' Ceiling Fan Down Rod	35.84		
23 34 16 00-0235	EA	3' Ceiling Fan Down Rod	48.20		
23 34 16 00-0236	EA	4' Ceiling Fan Down Rod	56.34		
23 34 16 00-0237	EA	5' Ceiling Fan Down Rod	69.28		
23 34 16 00-0238	EA	6' Ceiling Fan Down Rod	86.71		
23 34 16 00-0239		Explosion Proof Industrial Blowers (23 34 16 00-0203)			
23 34 16 00-0240	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	5,626.17		
23 34 16 00-0241	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	6,192.98		
23 34 16 00-0242	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	8,287.85		
23 34 16 00-0243	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	8,678.07		
23 34 16 00-0244	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	5,116.85		
23 34 16 00-0245	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	5,457.02		
23 34 16 00-0246	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	7,537.81		
23 34 16 00-0247	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	8,179.64		
23 34 16 00-0248		Exhaust Fans (23 34 16)			
23 34 16 00-0249		Exhaust Fans (23 34 16 00-0248)			
		Note: Excludes ducting.			
23 34 16 00-0250		Light Duty Exhaust Fans (23 34 16 00-0249)			
23 34 16 00-0251		Light Duty Exhaust Fans (23 34 16 00-0250)			
23 34 16 00-0252	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	158.97	51.95	
23 34 16 00-0253	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	168.18	51.95	
23 34 16 00-0254	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	278.64	51.95	
23 34 16 00-0255	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	352.51	51.95	
23 34 16 00-0256	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	315.01	51.95	
23 34 16 00-0257	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	419.90	51.95	
23 34 16 00-0258		Light Duty Exhaust Fans With Lights (23 34 16 00-0250)			
23 34 16 00-0259	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	208.19	51.95	
23 34 16 00-0260	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	231.24	51.95	
23 34 16 00-0261	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	433.98	51.95	
23 34 16 00-0262		Light Duty Exhaust Fans With Heaters (23 34 16 00-0250)			
23 34 16 00-0263	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	213.18	51.95	
23 34 16 00-0264	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	339.59	51.95	
23 34 16 00-0265		Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0250)			
23 34 16 00-0266	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	361.50	51.95	
23 34 16 00-0267	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	549.65	51.95	
23 34 16 00-0268		Heavy-Duty/Continuous Operation Exhaust Fans (23 34 16 00-0249)			
23 34 16 00-0269		Heavy-Duty/Continuous Operation Exhaust Fans (23 34 16 00-0268)			
		Note: Includes enamel steel or aluminum grille.			
23 34 16 00-0270	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50)	247.99	51.95	
23 34 16 00-0271	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80)	274.41	51.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0272	EA		109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	503.08	51.95
23 34 16 00-0273	EA		157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	515.33	51.95
23 34 16 00-0274	EA		210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	553.44	51.95
23 34 16 00-0275	EA		259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	577.79	51.95
23 34 16 00-0276	EA		308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	587.22	51.95
23 34 16 00-0277	EA		434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	672.29	51.95
23 34 16 00-0278	EA		514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	766.12	51.95
23 34 16 00-0279	EA		701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	819.56	51.95
23 34 16 00-0280	EA		901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	975.69	51.95
23 34 16 00-0281	EA		1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	1,253.81	51.95
23 34 16 00-0282 Heavy-Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0268)					
Note: Includes enamel steel or aluminum grille.					
23 34 16 00-0283	EA		308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	522.46	51.95
23 34 16 00-0284	EA		434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	759.10	51.95
23 34 16 00-0285	EA		514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	802.93	51.95
23 34 16 00-0286 Heavy-Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0268)					
23 34 16 00-0287	EA		50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	269.63	51.95
23 34 16 00-0288	EA		80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	294.44	51.95
23 34 16 00-0289 Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fans (23 34 16 00-0268)					
23 34 16 00-0290	EA		50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	280.52	51.95
23 34 16 00-0291	EA		80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	296.95	51.95
23 34 16 00-0292	EA		110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	304.88	51.95
23 34 16 00-0293 Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0249)					
23 34 16 00-0294	EA		900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,346.06	51.95
23 34 16 00-0295	EA		1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,346.06	51.95
23 34 16 00-0296	EA		1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,346.06	51.95
23 34 16 00-0297	EA		1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,477.28	51.95
23 34 16 00-0298 Room-To-Room Exhaust Fans (23 34 16 00-0249)					
23 34 16 00-0299	EA		90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	201.98	51.95
23 34 16 00-0300	EA		180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	336.15	51.95
23 34 16 00-0301	EA		380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	385.04	51.95
23 34 16 00-0302 Through-Wall Exhaust Fans (23 34 16 00-0249)					
23 34 16 00-0303	EA		250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	359.48	51.95
23 34 16 00-0304	EA		470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	426.87	51.95
23 34 16 00-0305	EA		180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	313.15	51.95
23 34 16 00-0306	EA		270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	419.90	51.95
23 34 16 00-0307	EA		360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	735.91	51.95
23 34 16 00-0308 Exhaust Fan Accessories (23 34 16 00-0249)					
23 34 16 00-0309 Exhaust Fan Controls (23 34 16 00-0308)					
23 34 16 00-0310	EA		Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	197.37	32.47
23 34 16 00-0311	EA		60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	137.77	32.47
23 34 16 00-0312	EA		60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	139.18	32.47
23 34 16 00-0313 Roof And Wall Caps For Exhaust Fans (23 34 16 00-0308)					
23 34 16 00-0314 Wall Caps For Exhaust Fans (23 34 16 00-0313)					
23 34 16 00-0315	EA		Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	323.07	69.49
23 34 16 00-0316	EA		Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	327.77	69.49
23 34 16 00-0317 Roof Caps For Exhaust Fans (23 34 16 00-0313)					
Note: Includes flashing and built in bird screen.					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 34 16 00-0318	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	274.65	69.49
23 34 16 00-0319	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	396.50	69.49
23 34 16 00-0320	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	180.98	69.49
23 34 16 00-0321	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	217.53	69.49

23 34 16 00-0322 Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0249)

Note: Includes storage and cleaning.

23 34 16 00-0323	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	95.98	
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23 34 23 HVAC Power Ventilators (23 34)**23 34 23 00-0001 Power Roof Ventilators (23 34 23)****23 34 23 00-0002 Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)**

Note: Greenheck G.

23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	674.65	183.00
		Note: Three speed motor.		
		For 12" Roof Curb, Add	236.69	
		For Backdraft Damper, Add	167.11	
		For Solid State Speed Control, Add	123.00	
		For Damper Motor, Add	292.71	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	737.52	207.32
		Note: Three speed motor.		
		For 12" Roof Curb, Add	236.69	
		For Backdraft Damper, Add	167.11	
		For Solid State Speed Control, Add	123.00	
		For Damper Motor, Add	292.71	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,045.81	241.87
		For 12" Roof Curb, Add	243.23	
		For Backdraft Damper, Add	179.47	
		For Solid State Speed Control, Add	123.00	
		For Damper Motor, Add	292.71	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,079.22	272.58
		For 12" Roof Curb, Add	243.23	
		For Backdraft Damper, Add	179.47	
		For Solid State Speed Control, Add	123.00	
		For Damper Motor, Add	292.71	
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,381.79	300.74
		For Solid State Speed Control, Add	123.00	
		For Damper Motor, Add	292.71	
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,567.34	319.94
		For 12" Roof Curb, Add	254.12	
		For Backdraft Damper, Add	203.77	
		For Solid State Speed Control, Add	190.56	
		For Damper Motor, Add	292.71	

23 34 23 00-0009 Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)

Note: Greenheck GB.

23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,562.42	325.81
		For 12" Roof Curb, Add	243.23	
		For Backdraft Damper, Add	179.47	
		For Damper Motor, Add	292.71	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,702.56	345.88
		For 12" Roof Curb, Add	254.12	
		For Backdraft Damper, Add	203.77	
		For Damper Motor, Add	292.71	
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,297.34	413.36
		For 12" Roof Curb, Add	254.12	
		For Backdraft Damper, Add	203.77	
		For Damper Motor, Add	292.71	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,928.24	511.90
		For 12" Roof Curb, Add	306.42	
		For Backdraft Damper, Add	254.94	
		For Damper Motor, Add	292.71	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,857.55	639.88
		For 12" Roof Curb, Add	330.40	
		For Backdraft Damper, Add	276.25	
		For Damper Motor, Add	292.71	
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,221.77	799.84
		For 12" Roof Curb, Add	367.44	
		For Backdraft Damper, Add	306.51	
		For Damper Motor, Add	292.71	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,274.07	799.84
		For 12" Roof Curb, Add	367.44	
		For Backdraft Damper, Add	306.51	
		For Damper Motor, Add	292.71	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,838.49	799.84
		For 12" Roof Curb, Add	367.44	
		For Backdraft Damper, Add	306.51	
		For Damper Motor, Add	292.71	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,550.75	799.84
		For 12" Roof Curb, Add	367.44	
		For Backdraft Damper, Add	306.51	
		For Damper Motor, Add	292.71	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0019		Propeller Exhaust Fans, Roof Mounted Upblast (23 34 23 00-0001) Note: Includes back draft damper and bird screen and curb.		
23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	8,913.45	984.13
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	14,606.38	1,279.37
23 34 23 00-0022		Belt Drive Supply Fans (23 34 23 00-0001)		
23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,522.14	511.00
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,760.15	639.75
23 34 23 00-0025		Fan Thermostat (23 34 23 00-0001)		
23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat.....	152.78	
23 34 23 00-0027		Power Wall Ventilators (23 34 23)		
23 34 23 00-0028		Centrifugal Sidewall Exhausters (23 34 23 00-0027)		
23 34 23 00-0029		Direct Drive, Aluminum, Centrifugal Sidewall Exhauster (23 34 23 00-0028) Note: Greenheck CW.		
23 34 23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	892.45	206.04
		For Solid State Speed Control, Add	190.56	
		For Backdraft Damper, Add	231.96	
		For Damper Motor, Add	502.74	
		For Interior Wall Grill, Add	143.53	
23 34 23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,025.04	241.87
		For Solid State Speed Control, Add	190.56	
		For Backdraft Damper, Add	256.26	
		For Damper Motor, Add	502.74	
		For Interior Wall Grill, Add	170.95	
23 34 23 00-0032	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,514.76	272.58
		For Solid State Speed Control, Add	190.56	
		For Backdraft Damper, Add	289.51	
		For Damper Motor, Add	502.74	
		For Interior Wall Grill, Add	198.38	
23 34 23 00-0033		Belt Drive, Aluminum, Centrifugal Sidewall Exhausters (23 34 23 00-0028) Note: Greenheck CWB.		
23 34 23 00-0034	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,694.23	154.00
		For Solid State Speed Control, Add	190.56	
		For Backdraft Damper, Add	267.80	
		For Damper Motor, Add	502.74	
		For Interior Wall Grill, Add	302.08	
23 34 23 00-0035	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,846.39	173.43
		For Solid State Speed Control, Add	190.56	
		For Backdraft Damper, Add	267.80	
		For Damper Motor, Add	502.74	
		For Interior Wall Grill, Add	302.08	
23 34 23 00-0036	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	3,495.62	198.39
		For Solid State Speed Control, Add	190.56	
		For Backdraft Damper, Add	336.10	
		For Damper Motor, Add	502.74	
		For Interior Wall Grill, Add	351.30	
23 34 33		Air Curtains (23 34)		
23 34 33 00-0001		Unheated Air Curtains For Entrances (23 34 33)		
23 34 33 00-0002		Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)		
23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated.....	2,666.26	938.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	566.42	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	420.77	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	647.33	
		For Flat Side Extension Plates, Add	177.73	
		For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated.....	2,702.86	938.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	566.42	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	420.77	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	647.33	
		For Flat Side Extension Plates, Add	177.73	
		For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	2,742.50	938.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	566.42	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	420.77	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	647.33	
		For Flat Side Extension Plates, Add	177.73	
		For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	3,398.21	938.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	566.42	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	420.77	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	647.33	
		For Flat Side Extension Plates, Add	177.73	
		For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	3,859.49	1,126.18
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	566.42	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	420.77	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	647.33	
		For Flat Side Extension Plates, Add	177.73	
		For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	4,088.22	1,126.18
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	566.42	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	420.77	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	647.33	
		For Flat Side Extension Plates, Add	177.73	
		For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	4,533.73	1,298.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	566.42	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	420.77	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	647.33	
		For Flat Side Extension Plates, Add	177.73	
		For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	5,447.15	1,298.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	566.42	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	420.77	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	647.33	
		For Flat Side Extension Plates, Add	177.73	
		For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	5,563.04	1,298.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	566.42	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	420.77	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	647.33	
		For Flat Side Extension Plates, Add	177.73	
		For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	5,871.07	1,298.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	566.42	
		For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	420.77	
		For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	647.33	
		For Flat Side Extension Plates, Add	177.73	
		For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	

23 34 33 00-0013 Unheated Air Curtains, High Velocity (23 34 33 00-0001)

23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....	3,273.17	938.05
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	355.45	
		For Flat Side Extension Plates, Add	177.73	
		For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0015	EA		High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,320.44 208.07 355.45 177.73 355.45 426.54 450.24	938.05
23 34 33 00-0016	EA		High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,340.26 208.07 355.45 177.73 355.45 426.54 450.24	938.05
23 34 33 00-0017	EA		High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,378.39 208.07 355.45 177.73 355.45 426.54 450.24	938.05
23 34 33 00-0018	EA		High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,250.20 208.07 355.45 177.73 355.45 426.54 450.24	1,126.18
23 34 33 00-0019	EA		High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,485.03 208.07 355.45 177.73 355.45 426.54 450.24	1,126.18
23 34 33 00-0020	EA		High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,843.62 208.07 355.45 177.73 355.45 426.54 450.24	1,298.95
23 34 33 00-0021	EA		High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,656.39 208.07 355.45 177.73 355.45 426.54 450.24	1,298.95
23 34 33 00-0022	EA		High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,741.79 208.07 355.45 177.73 355.45 426.54 450.24	1,298.95
23 34 33 00-0023	EA		High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	7,074.22 208.07 355.45 177.73 355.45 426.54 450.24	1,298.95
23 34 33 00-0024			Service Window Unheated Air Curtains (23 34 33 00-0001) Note: Normal window sizes.		
23 34 33 00-0025	EA		Air Curtain For 2.5' x 5' Service Window, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,347.46 208.07 177.73 355.45 426.54 450.24	739.70
23 34 33 00-0026			Heated Air Curtains For Entrances (23 34 33) Note: Includes housing, mounting brackets and manual controls.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 34 33 00-0027	EA 60" Heated Air Curtain With 1- 300 MBH Heater	4,461.31	826.08
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0028	EA 60" Heated Air Curtain With 1- 400 MBH Heater	4,835.81	826.08
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0029	EA 72" Heated Air Curtain With 1- 350 MBH Heater	5,352.75	991.17
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0030	EA 72" Heated Air Curtain With 2- 250 MBH Heaters	5,802.15	991.17
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0031	EA 96" Heated Air Curtain With 1- 400 MBH Heater	7,135.91	1,321.34
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0032	EA 96" Heated Air Curtain With 2- 350 MBH Heaters	7,735.11	1,321.34
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0033	EA 117" Heated Air Curtain With 2- 300 MBH Heaters	8,695.74	1,609.92
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0034	EA 117" Heated Air Curtain With 2- 400 MBH Heaters	9,426.01	1,609.92
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0035	EA 147" Heated Air Curtain With 2- 350 MBH Heaters	10,926.13	2,022.64
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0036	EA 147" Heated Air Curtain With 3- 350 MBH Heaters	12,742.45	2,022.64
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0037	EA 168" Heated Air Curtain With 2- 400 MBH Heaters	12,487.85	2,311.86
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0038	EA 168" Heated Air Curtain With 3- 400 MBH Heaters	14,563.20	2,311.86
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0039	EA 192" Heated Air Curtain With 2- 400 MBH Heaters	14,267.47	2,642.04
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	
23 34 33 00-0040	EA 192" Heated Air Curtain With 4- 350 MBH Heaters	16,639.30	2,642.04
	For Door Limit Switch, Combination Roller And Plunger, Add	208.07	
	For Flat Side Extension Plates, Add	177.73	
	For Clearance Adjustable-Angle Mounting Bracket, Add	355.45	
	For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	426.54	
	For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	450.24	

23 35 Special Exhaust Systems (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems (23 35)

23 35 13 13 Sawdust Collection Systems (23 35 13)
23 35 13 13-0001 Dust Collector System (23 35 13 13)

23 35 13 13-0002	EA	1.5 HP Dust Collector Central Vacuum Unit	4,855.61	1,109.91
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0003	EA	2 HP Dust Collector Central Vacuum Unit	5,453.91	1,318.02
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit	6,544.66	1,526.13
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0005	EA	3 HP Dust Collector Central Vacuum Unit	7,473.63	1,803.61
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.		
23 35 13 13-0006	EA	5 HP Dust Collector Central Vacuum Unit	15,439.55	2,022.05
		Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit	18,720.71	2,359.05
		Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0008	EA	10 HP Dust Collector Central Vacuum Unit	21,443.17	2,696.07
		Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.		
23 35 13 13-0009	EA	15 HP Dust Collector Central Vacuum Unit	24,119.88	3,100.47
		Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		
23 35 13 13-0010	EA	20 HP Dust Collector Central Vacuum Unit	26,919.68	3,504.88
		Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.		

23 35 13 13-0011 Vacuum Tubing And Accessories (23 35 13 13)
23 35 13 13-0012 Vacuum Tubing (23 35 13 13-0011)
23 35 13 13-0013 Flexible Hose (23 35 13 13-0012)

23 35 13 13-0014	LF	2" Flexible Hose	13.62	2.30
23 35 13 13-0015	LF	3" Flexible Hose	16.28	2.56
23 35 13 13-0016	LF	4" Flexible Hose	17.67	2.82

23 35 13 13-0017 Galvanized Vacuum Tubing (23 35 13 13-0012)

23 35 13 13-0018	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized	11.74	2.30
23 35 13 13-0019	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized	13.13	2.44
23 35 13 13-0020	LF	3" Outside Diameter Vacuum Tubing, Galvanized	15.59	2.56
23 35 13 13-0021	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized	20.22	2.69
23 35 13 13-0022	LF	4" Outside Diameter Vacuum Tubing, Galvanized	20.80	2.82
23 35 13 13-0023	LF	5" Outside Diameter Vacuum Tubing, Galvanized	34.27	3.20
23 35 13 13-0024	LF	6" Outside Diameter Vacuum Tubing, Galvanized	38.63	3.71
23 35 13 13-0025	LF	8" Outside Diameter Vacuum Tubing, Galvanized	52.27	5.12
23 35 13 13-0026	LF	10" Outside Diameter Vacuum Tubing, Galvanized	61.27	6.40
23 35 13 13-0027	LF	12" Outside Diameter Vacuum Tubing, Galvanized	151.84	8.44

23 35 13 13-0028 Vacuum Fittings, Galvanized (23 35 13 13-0011)
23 35 13 13-0029 90 Degree Elbow (23 35 13 13-0028)

23 35 13 13-0030	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	59.33	14.71
23 35 13 13-0031	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	73.08	15.74
23 35 13 13-0032	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized	90.78	17.15
23 35 13 13-0033	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	106.91	18.56
23 35 13 13-0034	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized	127.14	20.48
23 35 13 13-0035	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized	208.71	22.78
23 35 13 13-0036	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized	276.42	25.59
23 35 13 13-0037	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized	494.56	34.16

23 35 13 13-0038 45 Degree Elbow (23 35 13 13-0028)

23 35 13 13-0039	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	55.70	14.71
23 35 13 13-0040	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	70.09	15.74
23 35 13 13-0041	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized	80.75	17.15
23 35 13 13-0042	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	95.58	18.56
23 35 13 13-0043	EA	4" 45 Degree Elbow, Vacuum Tubing, Galvanized	116.68	20.48
23 35 13 13-0044	EA	5" 45 Degree Elbow, Vacuum Tubing, Galvanized	172.40	22.78
23 35 13 13-0045	EA	6" 45 Degree Elbow, Vacuum Tubing, Galvanized	223.02	25.59
23 35 13 13-0046	EA	8" 45 Degree Elbow, Vacuum Tubing, Galvanized	404.84	34.16

23 35 13 13-0047 Wye (23 35 13 13-0028)

23 35 13 13-0048	EA	2-1/8" Wye, Vacuum Tubing, Galvanized	107.32	24.31
23 35 13 13-0049	EA	2-1/2" Wye, Vacuum Tubing, Galvanized	128.44	26.23
23 35 13 13-0050	EA	3" Wye, Vacuum Tubing, Galvanized	156.16	28.16
23 35 13 13-0051	EA	3-1/2" Wye, Vacuum Tubing, Galvanized	189.22	31.36
23 35 13 13-0052	EA	4" Wye, Vacuum Tubing, Galvanized	251.03	33.91
23 35 13 13-0053	EA	5" Wye, Vacuum Tubing, Galvanized	421.14	37.76
23 35 13 13-0054	EA	6" Wye, Vacuum Tubing, Galvanized	556.85	42.87
23 35 13 13-0055	EA	8" Wye, Vacuum Tubing, Galvanized	1,094.44	46.71
23 35 13 13-0056	EA	10" Wye, Vacuum Tubing, Galvanized	1,513.64	51.19
23 35 13 13-0057	EA	12" Wye, Vacuum Tubing, Galvanized	1,911.12	57.33

23 35 13 13-0058 Reducer (23 35 13 13-0028)

23 35 13 13-0059	EA	3" Reducer, Vacuum Tubing, Galvanized	61.51	17.15
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23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 35 13 13-0060	EA	4" Reducer, Vacuum Tubing, Galvanized	68.34	18.56
23 35 13 13-0061	EA	5" Reducer, Vacuum Tubing, Galvanized	85.89	20.48
23 35 13 13-0062	EA	6" Reducer, Vacuum Tubing, Galvanized	92.75	22.78
23 35 13 13-0063	EA	8" Reducer, Vacuum Tubing, Galvanized	108.36	25.59

23 35 13 13-0064 Air Gate Valve, Galvanized (23 35 13 13-0011)

23 35 13 13-0065	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	413.56	34.16
23 35 13 13-0066	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	433.31	36.47
23 35 13 13-0067	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized	497.47	39.29
23 35 13 13-0068	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	566.26	41.97
23 35 13 13-0069	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized	638.05	44.54
23 35 13 13-0070	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized	753.17	50.81
23 35 13 13-0071	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized	867.21	56.95

23 35 16 Engine Exhaust Systems (23 35)**23 35 16 16 Mechanical Engine Exhaust Systems (23 35 16)****23 35 16 16-0001 Overhead Tailpipe Exhaust System (23 35 16 16)****23 35 16 16-0002 Overhead Tailpipe Exhaust Blowers (23 35 16 16-0001)****23 35 16 16-0003 Overhead Direct Drive Tailpipe Exhaust Blowers (23 35 16 16-0002)**

23 35 16 16-0004	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,897.11	272.58
23 35 16 16-0005	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,525.47	556.69
23 35 16 16-0006	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	6,292.25	674.43

23 35 16 16-0007 Overhead Belt Drive Tailpipe Exhaust Blowers (23 35 16 16-0002)

23 35 16 16-0008	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,401.00	556.69
23 35 16 16-0009	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,693.41	674.43
23 35 16 16-0010	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	5,634.53	1,067.31
23 35 16 16-0011	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	6,899.95	1,377.01
23 35 16 16-0012	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	8,713.86	1,640.63

23 35 16 16-0013 Spiral Exhaust Duct Accessories (23 35 16 16-0001)**23 35 16 16-0014 Flex Hose x Length (23 35 16 16-0013)**

Note: Includes duct coupler, damper and tailpipe adapter.

23 35 16 16-0015	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	199.55	67.83
23 35 16 16-0016	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	169.94	67.83
23 35 16 16-0017	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	305.87	107.50
23 35 16 16-0018	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	256.39	107.50
23 35 16 16-0019	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	432.84	170.21
23 35 16 16-0020	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	415.13	170.21
23 35 16 16-0021	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	660.80	270.03
23 35 16 16-0022	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	623.56	270.03

23 35 16 16-0023 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter (23 35 16 16-0013)

23 35 16 16-0024	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	223.16	67.83
23 35 16 16-0025	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	323.11	107.50
23 35 16 16-0026	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	189.06	67.83
23 35 16 16-0027	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	272.51	107.50
23 35 16 16-0028	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,783.06	91.37
23 35 16 16-0029	EA	3" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,553.64	167.64
23 35 16 16-0030	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,713.99	167.64
23 35 16 16-0031	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	82.26	13.05
23 35 16 16-0032	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	92.11	13.05

23 35 16 16-0033 Flexible Hose (23 35 16 16-0013)

23 35 16 16-0034	LF	3" Stainless Steel Flexible Tubing	26.55	3.20
23 35 16 16-0035	LF	4" Stainless Steel Flexible Tubing	33.30	3.58
23 35 16 16-0036	LF	5" Stainless Steel Flexible Tubing	39.14	3.71
23 35 16 16-0037	LF	6" Stainless Steel Flexible Tubing	45.78	3.96
23 35 16 16-0038	LF	3" Galvanized Flexible Tubing	23.70	3.20
23 35 16 16-0039	LF	4" Galvanized Flexible Tubing	27.78	3.58
23 35 16 16-0040	LF	5" Galvanized Flexible Tubing	31.79	3.71
23 35 16 16-0041	LF	6" Galvanized Flexible Tubing	35.43	3.96

23 35 16 16-0042 Accessories (23 35 16 16-0001)

23 35 16 16-0043	EA	3" Tail Pipe Adapter	68.14	9.60
23 35 16 16-0044	EA	4" Tail Pipe Adapter	70.10	9.60
23 35 16 16-0045	EA	5" Tail Pipe Adapter	74.62	10.88
23 35 16 16-0046	EA	3" Bullnose (Guide)	37.81	6.40
23 35 16 16-0047	EA	4" Bullnose (Guide)	40.18	7.03
23 35 16 16-0048	EA	5" Bullnose (Guide)	42.88	7.68
23 35 16 16-0049	EA	Flex-Hose Winch And Associated Hardware	276.85	72.57
23 35 16 16-0050	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 35 19 Fume Exhaust Systems (23 35)

23 35 19 00-0001	EA		Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	2,771.05	511.51
23 35 19 00-0002	EA		Hose Extension Kit 5'.....	460.40	113.64

23 36 Air Terminal Units (23 30)
23 36 13 Constant-Air-Volume Units (23 36)
23 36 13 00-0001 Vertical Units, With Electric Heating Coils (23 36 13)

23 36 13 00-0002	EA		60 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,876.80	168.69
23 36 13 00-0003	EA		90 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,258.06	181.67
23 36 13 00-0004	EA		120 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,409.13	188.16
23 36 13 00-0005	EA		150 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,573.17	201.14
23 36 13 00-0006	EA		175 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,902.91	207.62

23 36 13 00-0007 Horizontal Units, With Electric Heating Coils (23 36 13)

23 36 13 00-0008	EA		60 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,592.68	168.69
23 36 13 00-0009	EA		90 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,902.75	181.67
23 36 13 00-0010	EA		120 CFM Horizontal Induction Unit, With Electric Heating Coils.....	2,270.72	191.41

23 36 13 00-0011 Duct Boxes, Constant Volume Control (23 36 13)
23 36 13 00-0012 Single Duct Boxes, Constant Volume Control (23 36 13 00-0011)

23 36 13 00-0013	EA		4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control.....	1,564.34	52.72
			<i>For Boxes With Motor, Add</i>	271.25	
23 36 13 00-0014	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control.....	1,731.49	56.88
			<i>For Boxes With Motor, Add</i>	300.89	
23 36 13 00-0015	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control.....	1,798.65	62.43
			<i>For Boxes With Motor, Add</i>	309.78	
23 36 13 00-0016	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control.....	1,831.28	65.21
			<i>For Boxes With Motor, Add</i>	314.23	
23 36 13 00-0017	EA		12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control.....	1,858.19	72.14
			<i>For Boxes With Motor, Add</i>	314.23	
23 36 13 00-0018	EA		14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control.....	2,125.23	80.47
			<i>For Boxes With Motor, Add</i>	360.18	
23 36 13 00-0019	EA		16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control.....	2,229.53	90.18
			<i>For Boxes With Motor, Add</i>	373.52	
23 36 13 00-0020	EA		20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control.....	2,365.52	108.22
			<i>For Boxes With Motor, Add</i>	386.99	
23 36 13 00-0021	EA		24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control.....	2,500.46	124.87
			<i>For Boxes With Motor, Add</i>	400.20	

23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control (23 36 13 00-0011)

23 36 13 00-0023	EA		4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control.....	2,202.36	52.72
			<i>For Boxes With Motor, Add</i>	398.85	
23 36 13 00-0024	EA		6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control.....	2,355.92	56.88
			<i>For Boxes With Motor, Add</i>	425.78	
23 36 13 00-0025	EA		7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control.....	2,458.56	62.43
			<i>For Boxes With Motor, Add</i>	441.77	
23 36 13 00-0026	EA		9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control.....	2,561.52	65.21
			<i>For Boxes With Motor, Add</i>	460.28	
23 36 13 00-0027	EA		12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control.....	2,588.43	72.14
			<i>For Boxes With Motor, Add</i>	460.28	
23 36 13 00-0028	EA		14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control.....	2,974.92	81.86
			<i>For Boxes With Motor, Add</i>	530.12	
23 36 13 00-0029	EA		16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control.....	3,252.13	90.18
			<i>For Boxes With Motor, Add</i>	578.08	
23 36 13 00-0030	EA		20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control.....	3,501.89	108.22
			<i>For Boxes With Motor, Add</i>	614.26	
23 36 13 00-0031	EA		24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control.....	3,654.92	124.87
			<i>For Boxes With Motor, Add</i>	631.09	

23 36 16 Variable-Air-Volume Units (23 36)
23 36 16 00-0001 Variable Volume Terminal Unit (23 36 16)

Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.

23 36 16 00-0002 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)

Note: Enclosure only. For mounting DDC controls.

23 36 16 00-0003	EA		6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only.....	677.34	63.82
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0004	EA		8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only.....	757.84	72.14
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0005	EA		10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only.....	843.53	80.47
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0006	EA		12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only.....	899.93	90.18
			Note: For mounting DDC controls		
			<i>For Filters And Frames, Add</i>	6.30	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 36 Air Terminal Units**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
23 36 16 00-0007	EA 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls For Filters And Frames, Add	1,241.81		194.10	
23 36 16 00-0008	EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls For Filters And Frames, Add	1,495.62		230.31	
23 36 16 00-0009 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001) Note: With pneumatic controls.					
23 36 16 00-0010	EA 6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller For Fan Powered Variable Air Volume Box, Add For Hot Water Coils, Add For Pressure Independent Actuator, Add For Filters And Frames, Add	1,422.76 1,507.76 474.68 67.57 6.30		63.82	
23 36 16 00-0011	EA 8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller For Fan Powered Variable Air Volume Box, Add For Hot Water Coils, Add For Pressure Independent Actuator, Add For Filters And Frames, Add	1,538.24 1,614.80 507.41 67.57 6.30		72.14	
23 36 16 00-0012	EA 10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller For Fan Powered Variable Air Volume Box, Add For Hot Water Coils, Add For Pressure Independent Actuator, Add For Filters And Frames, Add	1,610.47 1,665.10 521.60 67.57 6.30		80.47	
23 36 16 00-0013	EA 12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller For Fan Powered Variable Air Volume Box, Add For Hot Water Coils, Add For Pressure Independent Actuator, Add For Filters And Frames, Add	1,680.32 1,712.09 534.69 67.57 6.30		90.18	
23 36 16 00-0014	EA 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller For Fan Powered Variable Air Volume Box, Add For Hot Water Coils, Add For Pressure Independent Actuator, Add For Filters And Frames, Add	1,949.55 1,921.39 595.80 67.57 6.30		194.10	
23 36 16 00-0015	EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller For Fan Powered Variable Air Volume Box, Add For Hot Water Coils, Add For Pressure Independent Actuator, Add For Filters And Frames, Add	2,262.56 2,083.52 636.18 67.57 6.30		230.31	
23 36 16 00-0016 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001) Note: With analog electronic controls.					
23 36 16 00-0017	EA 6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls For Hot Water Coils, Add For Filters And Frames, Add	2,351.16 851.14 6.30		63.82	
23 36 16 00-0018	EA 8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls For Hot Water Coils, Add For Filters And Frames, Add	2,445.11 875.15 6.30		72.14	
23 36 16 00-0019	EA 10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls..... For Hot Water Coils, Add For Filters And Frames, Add	2,530.80 894.79 6.30		80.47	
23 36 16 00-0020	EA 12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls..... For Hot Water Coils, Add For Filters And Frames, Add	2,651.78 928.62 6.30		90.18	
23 36 16 00-0021	EA 14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls..... For Hot Water Coils, Add For Filters And Frames, Add	2,923.70 990.82 6.30		194.10	
23 36 16 00-0022	EA 16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls..... For Hot Water Coils, Add For Filters And Frames, Add	2,977.52 1,012.64 6.30		194.10	
23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit (23 36 16 00-0001) Note: With flow control installation, plenum system power box, thermostat.					
23 36 16 00-0024	EA 6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct For Filters And Frames, Add	1,611.25 6.30		126.11	
23 36 16 00-0025	EA 8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct..... For Filters And Frames, Add	1,761.80 6.30		143.60	
23 36 16 00-0026	EA 10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct For Filters And Frames, Add	1,885.84 6.30		162.19	
23 36 16 00-0027	EA 12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct For Filters And Frames, Add	2,068.02 6.30		180.92	
23 36 16 00-0028	EA 14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct For Filters And Frames, Add	2,324.73 6.30		208.11	
23 36 16 00-0029	EA 16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct For Filters And Frames, Add	2,552.56 6.30		249.73	
23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) (23 36 16 00-0001)					
23 36 16 00-0031	EA 0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)..... For Filters And Frames, Add	662.14 6.30		86.71	
23 36 16 00-0032	EA 0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)..... For Filters And Frames, Add	718.89 6.30		95.38	
23 36 16 00-0033	EA 0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)..... For Filters And Frames, Add	777.19 6.30		104.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0034	EA		0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D).....	837.14	112.72
			For Filters And Frames, Add	6.30	
23 36 16 00-0035	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E).....	898.88	121.39
			For Filters And Frames, Add	6.30	
23 36 16 00-0036	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F).....	962.48	130.07
			For Filters And Frames, Add	6.30	
23 36 16 00-0037	EA		0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	1,033.32	138.74
			For Filters And Frames, Add	6.30	
23 36 16 00-0038	EA		0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H).....	1,101.49	147.41
			For Filters And Frames, Add	6.30	
23 36 16 00-0039	EA		0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	1,172.02	156.08
			For Filters And Frames, Add	6.30	
23 36 16 00-0040	EA		0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K).....	1,245.03	164.75
			For Filters And Frames, Add	6.30	
23 36 16 00-0041	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	1,320.74	173.43
			For Filters And Frames, Add	6.30	
23 36 16 00-0042	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	1,399.31	182.10
			For Filters And Frames, Add	6.30	
23 36 16 00-0043	EA		0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N).....	1,480.97	190.77
			For Filters And Frames, Add	6.30	
23 36 16 00-0044	EA		0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P).....	1,558.79	199.44
			For Filters And Frames, Add	6.30	
23 36 16 00-0045	EA		0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R).....	1,646.74	208.11
			For Filters And Frames, Add	6.30	
23 37 Air Outlets and Inlets (23 30)					
23 37 13 Diffusers, Registers, and Grilles (23 37)					
23 37 13 13 Diffusers, Registers, and Grilles (23 37 13)					
23 37 13 13-0001 Ceiling Diffusers (23 37 13 13)					
23 37 13 13-0002 Ceiling Diffusers With Perforated Face (23 37 13 13-0001)					
Note: Flush mount, aluminum construction, includes damper.					
23 37 13 13-0003	EA		6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	138.90	18.04
			For Steel Construction, Deduct	-10.13	
			For Surface Mount, Deduct	-8.10	
			For Diffuser Without Damper, Deduct	-13.51	
			For Stainless Steel, Add	168.85	
23 37 13 13-0004	EA		8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	153.91	18.04
			For Steel Construction, Deduct	-12.38	
			For Surface Mount, Deduct	-9.91	
			For Diffuser Without Damper, Deduct	-16.51	
			For Stainless Steel, Add	206.38	
23 37 13 13-0005	EA		9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	153.91	18.04
			For Steel Construction, Deduct	-12.38	
			For Surface Mount, Deduct	-9.91	
			For Diffuser Without Damper, Deduct	-16.51	
			For Stainless Steel, Add	206.38	
23 37 13 13-0006	EA		10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	184.92	22.20
			For Steel Construction, Deduct	-14.82	
			For Surface Mount, Deduct	-11.86	
			For Diffuser Without Damper, Deduct	-19.76	
			For Stainless Steel, Add	247.03	
23 37 13 13-0007	EA		12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	184.92	20.81
			For Steel Construction, Deduct	-14.82	
			For Surface Mount, Deduct	-11.86	
			For Diffuser Without Damper, Deduct	-19.76	
			For Stainless Steel, Add	247.03	
23 37 13 13-0008	EA		16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	212.44	20.81
			For Steel Construction, Deduct	-18.95	
			For Surface Mount, Deduct	-15.16	
			For Diffuser Without Damper, Deduct	-25.27	
			For Stainless Steel, Add	315.83	
23 37 13 13-0009	EA		18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	243.94	27.75
			For Steel Construction, Deduct	-20.37	
			For Surface Mount, Deduct	-16.30	
			For Diffuser Without Damper, Deduct	-27.17	
			For Stainless Steel, Add	339.58	
23 37 13 13-0010	EA		20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	283.13	29.13
			For Steel Construction, Deduct	-25.44	
			For Surface Mount, Deduct	-20.35	
			For Diffuser Without Damper, Deduct	-33.92	
			For Stainless Steel, Add	424.03	
23 37 13 13-0011	EA		24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	320.75	33.30
			For Steel Construction, Deduct	-28.29	
			For Surface Mount, Deduct	-22.63	
			For Lay-In Mount, Deduct	-22.63	
			For Diffuser Without Damper, Deduct	-37.72	
			For Stainless Steel, Add	471.55	
23 37 13 13-0012 Ceiling Diffusers With Louver Face (23 37 13 13-0001)					
Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.					
23 37 13 13-0013	EA		6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	143.91	18.04
			For Steel Construction, Deduct	-10.88	
			For Lay-In Mount, Add	14.51	
			For Stainless Steel, Add	181.38	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	163.42	18.04
		<i>For Steel Construction, Deduct</i>	-13.81	
		<i>For Lay-In Mount, Add</i>	18.41	
		<i>For Stainless Steel, Add</i>	230.15	
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	163.42	18.04
		<i>For Steel Construction, Deduct</i>	-13.81	
		<i>For Lay-In Mount, Add</i>	18.41	
		<i>For Stainless Steel, Add</i>	230.15	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	196.18	20.81
		<i>For Steel Construction, Deduct</i>	-16.51	
		<i>For Lay-In Mount, Add</i>	22.01	
		<i>For Stainless Steel, Add</i>	275.18	
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	196.18	22.20
		<i>For Steel Construction, Deduct</i>	-16.51	
		<i>For Lay-In Mount, Add</i>	22.01	
		<i>For Stainless Steel, Add</i>	275.18	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	252.67	27.75
		<i>For Steel Construction, Deduct</i>	-21.61	
		<i>For Lay-In Mount, Add</i>	28.82	
		<i>For Stainless Steel, Add</i>	360.23	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	226.15	27.75
		<i>For Steel Construction, Deduct</i>	-17.64	
		<i>For Lay-In Mount, Add</i>	23.51	
		<i>For Stainless Steel, Add</i>	293.93	
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	282.27	33.30
		<i>For Steel Construction, Deduct</i>	-22.63	
		<i>For Lay-In Mount, Add</i>	30.17	
		<i>For Stainless Steel, Add</i>	377.10	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	326.21	37.46
		<i>For Steel Construction, Deduct</i>	-28.14	
		<i>For Lay-In Mount, Add</i>	37.52	
		<i>For Stainless Steel, Add</i>	469.05	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	356.28	73.39
		<i>For Steel Construction, Deduct</i>	-31.41	
		<i>For Lay-In Mount, Add</i>	41.88	
		<i>For Stainless Steel, Add</i>	523.45	

23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern (23 37 13 13-0001)

Note: Aluminum construction.

23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	233.74	18.04
		<i>For Steel Construction, Deduct</i>	-48.71	
		<i>For Stainless Steel, Add</i>	405.95	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	242.07	18.04
		<i>For Steel Construction, Deduct</i>	-51.21	
		<i>For Stainless Steel, Add</i>	426.78	
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	273.47	22.20
		<i>For Steel Construction, Deduct</i>	-56.21	
		<i>For Stainless Steel, Add</i>	468.40	
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	294.29	20.81
		<i>For Steel Construction, Deduct</i>	-62.45	
		<i>For Stainless Steel, Add</i>	520.45	
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	420.49	24.97
		<i>For Steel Construction, Deduct</i>	-96.18	
		<i>For Stainless Steel, Add</i>	801.48	
23 37 13 13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	443.38	26.36
		<i>For Steel Construction, Deduct</i>	-101.80	
		<i>For Stainless Steel, Add</i>	848.33	
23 37 13 13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	466.64	27.75
		<i>For Steel Construction, Deduct</i>	-107.42	
		<i>For Stainless Steel, Add</i>	895.15	
23 37 13 13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	539.13	27.75
		<i>For Steel Construction, Deduct</i>	-127.68	
		<i>For Stainless Steel, Add</i>	1,064.03	
23 37 13 13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	643.00	31.91
		<i>For Steel Construction, Deduct</i>	-155.44	
		<i>For Stainless Steel, Add</i>	1,295.33	
23 37 13 13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	723.58	33.30
		<i>For Steel Construction, Deduct</i>	-177.65	
		<i>For Stainless Steel, Add</i>	1,480.38	
23 37 13 13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	863.96	37.46
		<i>For Steel Construction, Deduct</i>	-215.12	
		<i>For Stainless Steel, Add</i>	1,792.65	

23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 13-0001)

Note: Aluminum construction.

23 37 13 13-0036	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	246.23	18.04
		<i>For Steel Construction, Deduct</i>	-17.49	
		<i>For Flush Mount, Deduct</i>	-8.74	
		<i>For Stainless Steel, Add</i>	437.18	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0037	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	267.74	18.04
		For Steel Construction, Deduct	-19.64	
		For Flush Mount, Deduct	-9.82	
		For Stainless Steel, Add	490.95	
23 37 13 13-0038	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	303.54	22.20
		For Steel Construction, Deduct	-21.74	
		For Flush Mount, Deduct	-10.87	
		For Stainless Steel, Add	543.58	
23 37 13 13-0039	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	327.60	22.20
		For Steel Construction, Deduct	-24.15	
		For Flush Mount, Deduct	-12.07	
		For Stainless Steel, Add	603.73	
23 37 13 13-0040	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	474.62	24.97
		For Steel Construction, Deduct	-37.47	
		For Flush Mount, Deduct	-18.74	
		For Stainless Steel, Add	936.80	
23 37 13 13-0041	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	410.79	26.36
		For Steel Construction, Deduct	-40.04	
		For Flush Mount, Deduct	-20.02	
		For Stainless Steel, Add	1,000.98	
23 37 13 13-0042	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	534.65	27.75
		For Steel Construction, Deduct	-42.61	
		For Flush Mount, Deduct	-21.30	
		For Stainless Steel, Add	1,065.18	
23 37 13 13-0043	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	620.09	29.13
		For Steel Construction, Deduct	-50.66	
		For Flush Mount, Deduct	-25.33	
		For Stainless Steel, Add	1,266.43	
23 37 13 13-0044	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	700.37	31.91
		For Steel Construction, Deduct	-57.55	
		For Flush Mount, Deduct	-28.78	
		For Stainless Steel, Add	1,438.75	
23 37 13 13-0045	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	848.49	33.30
		For Steel Construction, Deduct	-71.71	
		For Flush Mount, Deduct	-35.85	
		For Stainless Steel, Add	1,792.65	
23 37 13 13-0046	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,021.71	37.46
		For Steel Construction, Deduct	-87.48	
		For Flush Mount, Deduct	-43.74	
		For Stainless Steel, Add	2,187.03	
23 37 13 13-0047	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,131.75	78.11
		For Stainless Steel, Add	2,439.18	
23 37 13 13-0048		Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)		
23 37 13 13-0049	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	188.32	20.81
		For Stainless Steel, Add	262.68	
23 37 13 13-0050	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	202.61	20.81
		For Stainless Steel, Add	298.40	
23 37 13 13-0051	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	220.18	20.81
		For Stainless Steel, Add	342.33	
23 37 13 13-0052	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	237.30	20.81
		For Stainless Steel, Add	385.13	
23 37 13 13-0053		Wall And Floor Diffusers (23 37 13 13)		
23 37 13 13-0054		Slot Type Linear Diffusers (23 37 13 13-0053)		
		Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0055	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	63.84	6.94
		For 3/4" Border, Add	8.68	
		For Floor Mounted Diffusers, Add	10.41	
		For Stainless Steel, Add	45.11	
23 37 13 13-0056	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	78.15	8.32
		For 3/4" Border, Add	11.57	
		For Floor Mounted Diffusers, Add	13.88	
		For Stainless Steel, Add	60.14	
23 37 13 13-0057	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	108.95	9.71
		For 3/4" Border, Add	18.22	
		For Floor Mounted Diffusers, Add	21.86	
		For Stainless Steel, Add	94.72	
23 37 13 13-0058	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	144.30	9.71
		For 3/4" Border, Add	26.02	
		For Floor Mounted Diffusers, Add	31.23	
		For Stainless Steel, Add	135.32	
23 37 13 13-0059	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	181.14	11.10
		For 3/4" Border, Add	33.83	
		For Floor Mounted Diffusers, Add	40.60	
		For Stainless Steel, Add	175.92	
23 37 13 13-0060	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	212.28	13.87
		For 3/4" Border, Add	39.90	
		For Floor Mounted Diffusers, Add	47.88	
		For Stainless Steel, Add	207.48	
23 37 13 13-0061		Linear Bar Grilles And Registers (23 37 13 13-0053)		
		Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 37 13 13-0062	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	199.59	8.32
		For Floor Mount, Add	16.77	
		For Opposed Blade Damper, Add	33.54	
		For Stainless Steel, Add	218.01	
23 37 13 13-0063	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	238.48	9.71
		For Floor Mount, Add	20.24	
		For Opposed Blade Damper, Add	40.48	
		For Stainless Steel, Add	263.11	
23 37 13 13-0064	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	259.95	9.71
		For Floor Mount, Add	21.97	
		For Opposed Blade Damper, Add	43.95	
		For Stainless Steel, Add	285.66	
23 37 13 13-0065	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	318.68	13.87
		For Floor Mount, Add	26.60	
		For Opposed Blade Damper, Add	53.20	
		For Stainless Steel, Add	345.80	
23 37 13 13-0066	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	440.83	18.04
		For Floor Mount, Add	37.01	
		For Opposed Blade Damper, Add	74.02	
		For Stainless Steel, Add	481.12	
23 37 13 13-0067	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	508.25	20.81
		For Floor Mount, Add	42.21	
		For Opposed Blade Damper, Add	84.43	
		For Stainless Steel, Add	548.78	

23 37 13 13-0068 Return/Exhaust Registers And Grilles (23 37 13 13)**23 37 13 13-0069 Return/Exhaust Registers With Frame (23 37 13 13-0068)**

Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.

23 37 13 13-0070	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	136.16	11.10
		For Steel Construction, Deduct	-18.62	
		For Grilles (No Damper), Deduct	-37.24	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	9.31	
		For Cube Core Lay In, Add	18.62	
		For Stainless Steel, Add	232.75	
23 37 13 13-0071	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	156.40	11.10
		For Steel Construction, Deduct	-22.67	
		For Grilles (No Damper), Deduct	-45.34	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	11.33	
		For Cube Core Lay In, Add	22.67	
		For Stainless Steel, Add	283.35	
23 37 13 13-0072	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	175.43	12.48
		For Steel Construction, Deduct	-25.10	
		For Grilles (No Damper), Deduct	-50.19	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	12.55	
		For Cube Core Lay In, Add	25.10	
		For Stainless Steel, Add	313.70	
23 37 13 13-0073	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	183.56	13.87
		For Steel Construction, Deduct	-25.10	
		For Grilles (No Damper), Deduct	-50.19	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	12.55	
		For Cube Core Lay In, Add	25.10	
		For Stainless Steel, Add	313.70	
23 37 13 13-0074	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	175.47	13.87
		For Steel Construction, Deduct	-23.48	
		For Grilles (No Damper), Deduct	-46.96	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	11.74	
		For Cube Core Lay In, Add	23.48	
		For Stainless Steel, Add	293.48	
23 37 13 13-0075	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	225.18	18.04
		For Steel Construction, Deduct	-30.76	
		For Grilles (No Damper), Deduct	-61.53	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	15.38	
		For Cube Core Lay In, Add	30.76	
		For Stainless Steel, Add	384.55	
23 37 13 13-0076	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	269.77	20.81
		For Steel Construction, Deduct	-36.73	
		For Grilles (No Damper), Deduct	-73.46	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	18.37	
		For Cube Core Lay In, Add	36.73	
		For Stainless Steel, Add	459.15	
23 37 13 13-0077	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	330.62	24.97
		For Steel Construction, Deduct	-46.14	
		For Grilles (No Damper), Deduct	-92.29	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	23.07	
		For Cube Core Lay In, Add	46.14	
		For Stainless Steel, Add	576.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0078	EA	20" x 20"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	387.98	27.75
			For Steel Construction, Deduct	-55.88	
			For Grilles (No Damper), Deduct	-111.76	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	27.94	
			For Cube Core Lay In, Add	55.88	
			For Stainless Steel, Add	698.50	
23 37 13 13-0079	EA	24" x 12"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	347.22	27.75
			For Steel Construction, Deduct	-46.74	
			For Grilles (No Damper), Deduct	-93.48	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	23.37	
			For Cube Core Lay In, Add	46.74	
			For Stainless Steel, Add	584.25	
23 37 13 13-0080	EA	24" x 18"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	396.86	27.75
			For Steel Construction, Deduct	-56.67	
			For Grilles (No Damper), Deduct	-113.34	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	28.33	
			For Cube Core Lay In, Add	56.67	
			For Stainless Steel, Add	708.35	
23 37 13 13-0081	EA	24" x 24"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	418.55	31.91
			For Steel Construction, Deduct	-58.74	
			For Grilles (No Damper), Deduct	-117.47	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	29.37	
			For Cube Core Lay In, Add	58.74	
			For Stainless Steel, Add	734.20	
23 37 13 13-0082	EA	30" x 12"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	443.54	33.30
			For Steel Construction, Deduct	-62.42	
			For Grilles (No Damper), Deduct	-124.84	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	31.21	
			For Cube Core Lay In, Add	62.42	
			For Stainless Steel, Add	780.28	
23 37 13 13-0083	EA	30" x 18"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	511.19	37.46
			For Steel Construction, Deduct	-72.86	
			For Grilles (No Damper), Deduct	-145.72	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	36.43	
			For Cube Core Lay In, Add	72.86	
			For Stainless Steel, Add	910.73	
23 37 13 13-0084	EA	30" x 24"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	572.62	44.40
			For Steel Construction, Deduct	-78.85	
			For Grilles (No Damper), Deduct	-157.70	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	39.42	
			For Cube Core Lay In, Add	78.85	
			For Stainless Steel, Add	985.60	
23 37 13 13-0085	EA	30" x 30"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	744.02	44.40
			For Steel Construction, Deduct	-113.13	
			For Grilles (No Damper), Deduct	-226.26	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	56.56	
			For Cube Core Lay In, Add	113.13	
			For Stainless Steel, Add	1,414.10	
23 37 13 13-0086	EA	36" x 12"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	617.99	48.56
			For Steel Construction, Deduct	-85.18	
			For Grilles (No Damper), Deduct	-170.36	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	42.59	
			For Cube Core Lay In, Add	85.18	
			For Stainless Steel, Add	1,064.73	
23 37 13 13-0087	EA	36" x 18"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	601.71	47.17
			For Steel Construction, Deduct	-81.92	
			For Grilles (No Damper), Deduct	-163.84	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	40.96	
			For Cube Core Lay In, Add	81.92	
			For Stainless Steel, Add	1,024.03	
23 37 13 13-0088	EA	36" x 24"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	685.14	52.72
			For Steel Construction, Deduct	-95.41	
			For Grilles (No Damper), Deduct	-190.81	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	47.70	
			For Cube Core Lay In, Add	95.41	
			For Stainless Steel, Add	1,192.58	
23 37 13 13-0089	EA	36" x 36"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	929.09	56.88
			For Steel Construction, Deduct	-140.41	
			For Grilles (No Damper), Deduct	-280.82	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	70.21	
			For Cube Core Lay In, Add	140.41	
			For Stainless Steel, Add	1,755.15	
23 37 13 13-0090	EA	24" x 20"	Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	412.09	32.05
			For Steel Construction, Deduct	-56.81	
			For Grilles (No Damper), Deduct	-113.62	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	28.41	
			For Cube Core Lay In, Add	56.81	
			For Stainless Steel, Add	710.13	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 37 13 13-0091	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	710.98	48.03
		For Steel Construction, Deduct	-103.78	
		For Grilles (No Damper), Deduct	-207.55	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	51.89	
		For Cube Core Lay In, Add	103.78	
		For Stainless Steel, Add	1,297.20	
23 37 13 13-0092	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	823.27	56.88
		For Steel Construction, Deduct	-119.08	
		For Grilles (No Damper), Deduct	-238.16	
		For Removable Core, Add	35.00	
		For Cube Core With Frame, Add	59.54	
		For Cube Core Lay In, Add	119.08	
		For Stainless Steel, Add	1,488.53	

23 37 13 13-0093 Return/Exhaust Registers Removable-Reversible (23 37 13 13-0068)

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

23 37 13 13-0094	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	125.64	11.10
		For Steel Construction, Deduct	-8.26	
		For Flat Frame, Deduct	-0.83	
		For Grilles (No Damper), Deduct	-16.52	
		For Stainless Steel, Add	206.45	
23 37 13 13-0095	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	125.64	11.10
		For Steel Construction, Deduct	-8.26	
		For Flat Frame, Deduct	-0.83	
		For Grilles (No Damper), Deduct	-16.52	
		For Stainless Steel, Add	206.45	
23 37 13 13-0096	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	154.39	12.48
		For Steel Construction, Deduct	-10.44	
		For Flat Frame, Deduct	-1.04	
		For Grilles (No Damper), Deduct	-20.89	
		For Stainless Steel, Add	261.10	
23 37 13 13-0097	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	177.09	15.26
		For Steel Construction, Deduct	-11.90	
		For Flat Frame, Deduct	-1.19	
		For Grilles (No Damper), Deduct	-23.80	
		For Stainless Steel, Add	297.53	
23 37 13 13-0098	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	174.66	13.87
		For Steel Construction, Deduct	-11.66	
		For Flat Frame, Deduct	-1.17	
		For Grilles (No Damper), Deduct	-23.32	
		For Stainless Steel, Add	291.45	
23 37 13 13-0099	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	226.80	18.04
		For Steel Construction, Deduct	-15.54	
		For Flat Frame, Deduct	-1.55	
		For Grilles (No Damper), Deduct	-31.09	
		For Stainless Steel, Add	388.60	
23 37 13 13-0100	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	367.03	22.20
		For Steel Construction, Deduct	-28.09	
		For Flat Frame, Deduct	-2.81	
		For Grilles (No Damper), Deduct	-56.18	
		For Stainless Steel, Add	702.30	
23 37 13 13-0101	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	442.35	24.97
		For Steel Construction, Deduct	-34.25	
		For Flat Frame, Deduct	-3.42	
		For Grilles (No Damper), Deduct	-68.49	
		For Stainless Steel, Add	856.13	
23 37 13 13-0102	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	499.61	27.75
		For Steel Construction, Deduct	-39.10	
		For Flat Frame, Deduct	-3.91	
		For Grilles (No Damper), Deduct	-78.21	
		For Stainless Steel, Add	977.58	
23 37 13 13-0103	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	414.68	27.75
		For Steel Construction, Deduct	-30.12	
		For Flat Frame, Deduct	-3.01	
		For Grilles (No Damper), Deduct	-60.23	
		For Stainless Steel, Add	752.90	
23 37 13 13-0104	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	560.41	29.13
		For Steel Construction, Deduct	-44.69	
		For Flat Frame, Deduct	-4.47	
		For Grilles (No Damper), Deduct	-89.38	
		For Stainless Steel, Add	1,117.23	
23 37 13 13-0105	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	654.33	31.91
		For Steel Construction, Deduct	-52.95	
		For Flat Frame, Deduct	-5.29	
		For Grilles (No Damper), Deduct	-105.89	
		For Stainless Steel, Add	1,323.65	
23 37 13 13-0106	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	500.60	33.30
		For Steel Construction, Deduct	-36.92	
		For Flat Frame, Deduct	-3.69	
		For Grilles (No Damper), Deduct	-73.83	
		For Stainless Steel, Add	922.93	
23 37 13 13-0107	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	690.94	37.46
		For Steel Construction, Deduct	-54.40	
		For Flat Frame, Deduct	-5.44	
		For Grilles (No Damper), Deduct	-108.81	
		For Stainless Steel, Add	1,360.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0108	EA		30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	831.71	44.40
			For Steel Construction, Deduct	-65.33	
			For Flat Frame, Deduct	-6.53	
			For Grilles (No Damper), Deduct	-130.67	
			For Stainless Steel, Add	1,633.33	
23 37 13 13-0109	EA		30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	954.36	44.40
			For Steel Construction, Deduct	-77.60	
			For Flat Frame, Deduct	-7.76	
			For Grilles (No Damper), Deduct	-155.20	
			For Stainless Steel, Add	1,939.95	
23 37 13 13-0110	EA		36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	646.27	47.17
			For Steel Construction, Deduct	-45.42	
			For Flat Frame, Deduct	-4.54	
			For Grilles (No Damper), Deduct	-90.83	
			For Stainless Steel, Add	1,135.43	
23 37 13 13-0111	EA		36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	879.43	47.17
			For Steel Construction, Deduct	-68.73	
			For Flat Frame, Deduct	-6.87	
			For Grilles (No Damper), Deduct	-137.47	
			For Stainless Steel, Add	1,718.33	
23 37 13 13-0112	EA		36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,019.31	52.72
			For Steel Construction, Deduct	-81.12	
			For Flat Frame, Deduct	-8.11	
			For Grilles (No Damper), Deduct	-162.24	
			For Stainless Steel, Add	2,028.00	
23 37 13 13-0113	EA		36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,192.45	56.88
			For Steel Construction, Deduct	-96.54	
			For Flat Frame, Deduct	-9.65	
			For Grilles (No Damper), Deduct	-193.08	
			For Stainless Steel, Add	2,413.55	
23 37 13 13-0114	EA		36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,260.46	56.88
			For Steel Construction, Deduct	-103.34	
			For Flat Frame, Deduct	-10.33	
			For Grilles (No Damper), Deduct	-206.69	
			For Stainless Steel, Add	2,583.58	
23 37 13 13-0115 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 13-0068)					
23 37 13 13-0116	EA		6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	64.87	13.57
23 37 13 13-0117	EA		8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	64.87	13.57
23 37 13 13-0118	EA		8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.30	13.57
23 37 13 13-0119	EA		8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	72.48	13.57
23 37 13 13-0120	EA		10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.30	13.57
23 37 13 13-0121	EA		10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	72.48	13.57
23 37 13 13-0122	EA		10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	87.45	17.79
23 37 13 13-0123	EA		10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.63	17.79
23 37 13 13-0124	EA		12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	85.28	17.79
23 37 13 13-0125	EA		12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	89.63	17.79
23 37 13 13-0126	EA		12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	91.80	17.79
23 37 13 13-0127	EA		12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	93.98	17.79
23 37 13 13-0128	EA		14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	90.71	17.79
23 37 13 13-0129	EA		14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	95.06	17.79
23 37 13 13-0130	EA		14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	97.24	17.79
23 37 13 13-0131	EA		14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	107.02	17.79
23 37 13 13-0132	EA		16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	95.06	17.79
23 37 13 13-0133	EA		16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	102.67	17.79
23 37 13 13-0134	EA		16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	107.02	17.79
23 37 13 13-0135	EA		16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	138.06	26.23
23 37 13 13-0136	EA		16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	140.23	26.23
23 37 13 13-0137	EA		18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	135.88	26.23
23 37 13 13-0138	EA		18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	166.07	30.46
23 37 13 13-0139	EA		20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	133.71	26.23
23 37 13 13-0140	EA		20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	176.94	30.46
23 37 13 13-0141	EA		22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	92.89	17.79
23 37 13 13-0142	EA		22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	135.88	26.23
23 37 13 13-0143	EA		22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	198.44	34.68
23 37 13 13-0144	EA		24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	133.71	26.23
23 37 13 13-0145	EA		24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	138.06	26.23
23 37 13 13-0146	EA		24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	159.55	30.46
			For Lay-In Installation, Deduct	-64.20	
23 37 13 13-0147	EA		24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	166.07	30.46
23 37 13 13-0148	EA		24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	185.39	34.68
23 37 13 13-0149	EA		24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	191.92	34.68
23 37 13 13-0150	EA		24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	199.53	34.68
23 37 13 13-0151	EA		24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	213.66	34.68
			For Lay-In Installation, Deduct	-73.52	
23 37 13 13-0152	EA		30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	162.81	30.46
23 37 13 13-0153	EA		48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	261.94	38.01
23 37 13 13-0154	EA		48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	445.19	46.45
			For Lay-In Installation, Deduct	-105.80	
23 37 13 13-0155 Supply Registers and Grilles (23 37 13 13)					
23 37 13 13-0156 Adjustable Curved Blade Register (23 37 13 13-0155)					
Note: Ceiling mount aluminum construction four way pattern flush frame.					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 37 13 13-0157	EA 6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	113.77	11.10
	For Steel Construction, Deduct	-10.62	
	For Lay In Frame, Deduct	-17.70	
	For Three Way Pattern, Deduct	-7.08	
	For Two Way Pattern, Deduct	-5.66	
	For One Way Pattern, Deduct	-5.66	
	For Grille (No Damper), Deduct	-10.62	
	For Stainless Steel, Add	176.95	
23 37 13 13-0158	EA 8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	117.93	11.10
	For Steel Construction, Deduct	-11.24	
	For Lay In Frame, Deduct	-18.74	
	For Three Way Pattern, Deduct	-7.49	
	For Two Way Pattern, Deduct	-6.00	
	For One Way Pattern, Deduct	-6.00	
	For Grille (No Damper), Deduct	-11.24	
	For Stainless Steel, Add	187.35	
23 37 13 13-0159	EA 12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	128.99	15.26
	For Steel Construction, Deduct	-10.62	
	For Lay In Frame, Deduct	-17.70	
	For Three Way Pattern, Deduct	-7.08	
	For Two Way Pattern, Deduct	-5.66	
	For One Way Pattern, Deduct	-5.66	
	For Grille (No Damper), Deduct	-10.62	
	For Stainless Steel, Add	176.95	
23 37 13 13-0160	EA 10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	144.26	13.87
	For Steel Construction, Deduct	-12.91	
	For Lay In Frame, Deduct	-21.51	
	For Three Way Pattern, Deduct	-8.61	
	For Two Way Pattern, Deduct	-6.88	
	For One Way Pattern, Deduct	-6.88	
	For Grille (No Damper), Deduct	-12.91	
	For Stainless Steel, Add	215.13	
23 37 13 13-0161	EA 12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	173.44	18.04
	For Steel Construction, Deduct	-15.41	
	For Lay In Frame, Deduct	-25.68	
	For Three Way Pattern, Deduct	-10.27	
	For Two Way Pattern, Deduct	-8.22	
	For One Way Pattern, Deduct	-8.22	
	For Grille (No Damper), Deduct	-15.41	
	For Stainless Steel, Add	256.75	
23 37 13 13-0162	EA 14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	213.79	20.81
	For Steel Construction, Deduct	-19.15	
	For Lay In Frame, Deduct	-31.92	
	For Three Way Pattern, Deduct	-12.77	
	For Two Way Pattern, Deduct	-10.21	
	For One Way Pattern, Deduct	-10.21	
	For Grille (No Damper), Deduct	-19.15	
	For Stainless Steel, Add	319.20	
23 37 13 13-0163	EA 16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	213.79	20.81
	For Steel Construction, Deduct	-19.15	
	For Lay In Frame, Deduct	-31.92	
	For Three Way Pattern, Deduct	-12.77	
	For Two Way Pattern, Deduct	-10.21	
	For One Way Pattern, Deduct	-10.21	
	For Grille (No Damper), Deduct	-19.15	
	For Stainless Steel, Add	319.20	
23 37 13 13-0164	EA 18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	263.55	27.75
	For Steel Construction, Deduct	-23.32	
	For Lay In Frame, Deduct	-38.86	
	For Three Way Pattern, Deduct	-15.54	
	For Two Way Pattern, Deduct	-12.44	
	For One Way Pattern, Deduct	-12.44	
	For Grille (No Damper), Deduct	-23.32	
	For Stainless Steel, Add	388.60	
23 37 13 13-0165	EA 24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	348.07	29.13
	For Steel Construction, Deduct	-35.18	
	For Lay In Frame, Deduct	-58.64	
	For Three Way Pattern, Deduct	-23.46	
	For Two Way Pattern, Deduct	-18.76	
	For One Way Pattern, Deduct	-18.76	
	For Grille (No Damper), Deduct	-35.18	
	For Stainless Steel, Add	586.38	
23 37 13 13-0166	EA 30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	568.02	58.82
	For Steel Construction, Deduct	-67.55	
	For Lay In Frame, Deduct	-112.59	
	For Three Way Pattern, Deduct	-45.04	
	For Two Way Pattern, Deduct	-36.03	
	For One Way Pattern, Deduct	-36.03	
	For Grille (No Damper), Deduct	-67.55	
	For Stainless Steel, Add	1,125.90	

23 37 13 13-0167 Removable-Reversible Core Registers (23 37 13 13-0155)

Note: Double deflection radiused frame aluminum construction.

23 37 13 13-0168	EA 6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	131.81	11.10
	For Steel Construction, Deduct	-8.88	
	For Flat Frame, Deduct	-8.88	
	For Grille (No Damper), Deduct	-26.65	
	For Stainless Steel, Add	222.05	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0169	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	167.90	11.10
		For Steel Construction, Deduct	-12.49	
		For Flat Frame, Deduct	-12.49	
		For Grille (No Damper), Deduct	-37.47	
		For Stainless Steel, Add	312.28	
23 37 13 13-0170	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	213.65	15.26
		For Steel Construction, Deduct	-15.54	
		For Flat Frame, Deduct	-15.54	
		For Grille (No Damper), Deduct	-46.63	
		For Stainless Steel, Add	388.60	
23 37 13 13-0171	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	216.42	15.26
		For Steel Construction, Deduct	-15.82	
		For Flat Frame, Deduct	-15.82	
		For Grille (No Damper), Deduct	-47.46	
		For Stainless Steel, Add	395.53	
23 37 13 13-0172	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	276.14	18.04
		For Steel Construction, Deduct	-20.54	
		For Flat Frame, Deduct	-20.54	
		For Grille (No Damper), Deduct	-61.62	
		For Stainless Steel, Add	513.50	
23 37 13 13-0173	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	394.21	22.20
		For Steel Construction, Deduct	-30.81	
		For Flat Frame, Deduct	-30.81	
		For Grille (No Damper), Deduct	-92.43	
		For Stainless Steel, Add	770.25	
23 37 13 13-0174	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	444.17	20.81
		For Steel Construction, Deduct	-35.81	
		For Flat Frame, Deduct	-35.81	
		For Grille (No Damper), Deduct	-107.42	
		For Stainless Steel, Add	895.15	
23 37 13 13-0175	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	535.57	27.75
		For Steel Construction, Deduct	-42.75	
		For Flat Frame, Deduct	-42.75	
		For Grille (No Damper), Deduct	-128.24	
		For Stainless Steel, Add	1,068.65	
23 37 13 13-0176	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	676.99	27.75
		For Steel Construction, Deduct	-56.35	
		For Flat Frame, Deduct	-56.35	
		For Grille (No Damper), Deduct	-169.04	
		For Stainless Steel, Add	1,408.68	
23 37 13 13-0177 Adjustable Shutter Blade Registers (23 37 13 13-0155)				
Note: Double deflection flat frame aluminum construction.				
23 37 13 13-0178	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	204.91	11.10
		For Steel Construction, Deduct	-16.19	
		For Single Deflection, Deduct	-32.38	
		For Grille (No Damper), Deduct	-24.29	
		For Stainless Steel, Add	404.80	
23 37 13 13-0179	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	237.29	11.10
		For Steel Construction, Deduct	-19.43	
		For Single Deflection, Deduct	-38.86	
		For Grille (No Damper), Deduct	-29.15	
		For Stainless Steel, Add	485.75	
23 37 13 13-0180	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	252.51	15.26
		For Steel Construction, Deduct	-19.43	
		For Single Deflection, Deduct	-38.86	
		For Grille (No Damper), Deduct	-29.15	
		For Stainless Steel, Add	485.75	
23 37 13 13-0181	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	261.76	13.87
		For Steel Construction, Deduct	-20.36	
		For Single Deflection, Deduct	-40.71	
		For Grille (No Damper), Deduct	-30.53	
		For Stainless Steel, Add	508.88	
23 37 13 13-0182	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	320.55	18.04
		For Steel Construction, Deduct	-24.98	
		For Single Deflection, Deduct	-49.96	
		For Grille (No Damper), Deduct	-37.47	
		For Stainless Steel, Add	624.53	
23 37 13 13-0183	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	428.45	20.81
		For Steel Construction, Deduct	-34.23	
		For Single Deflection, Deduct	-68.47	
		For Grille (No Damper), Deduct	-51.35	
		For Stainless Steel, Add	855.85	
23 37 13 13-0184	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	507.09	22.20
		For Steel Construction, Deduct	-42.10	
		For Single Deflection, Deduct	-84.20	
		For Grille (No Damper), Deduct	-63.15	
		For Stainless Steel, Add	1,052.45	
23 37 13 13-0185	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	626.24	27.75
		For Steel Construction, Deduct	-51.81	
		For Single Deflection, Deduct	-103.63	
		For Grille (No Damper), Deduct	-77.72	
		For Stainless Steel, Add	1,295.33	
23 37 13 13-0186	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	867.59	29.13
		For Steel Construction, Deduct	-75.41	
		For Single Deflection, Deduct	-150.81	
		For Grille (No Damper), Deduct	-113.11	
		For Stainless Steel, Add	1,885.18	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 37 13 13-0187 Air Conditioning And Ventilation (23 37 13 13-0155)			
23 37 13 13-0188	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	109.97
		<i>For Stainless Steel, Add</i>	129.40
23 37 13 13-0189	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	190.23
		<i>For Stainless Steel, Add</i>	258.80
23 37 13 13-0190	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	293.92
		<i>For Stainless Steel, Add</i>	431.33
23 37 13 13-0191	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	735.84
		<i>For Stainless Steel, Add</i>	1,423.40
23 37 13 13-0192 Square Wall Return Air And Exhaust Grilles (23 37 13 13-0155)			
		Note: Egg crate design aluminum construction.	
23 37 13 13-0193	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	100.60
23 37 13 13-0194	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	110.17
23 37 13 13-0195	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	164.04
23 37 13 13-0196	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	211.90
23 37 13 13-0197	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	354.33
23 37 13 13-0198	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	643.40
23 37 13 13-0199 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles (23 37 13 13-0155)			
		Note: Aluminum construction.	
23 37 13 13-0200	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	292.17
23 37 13 13-0201	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	333.80
23 37 13 13-0202	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	402.62
23 37 13 13-0203	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	476.61
23 37 13 13-0204	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	611.51
23 37 13 13-0205 Square Ceiling Return Air And Exhaust Grilles (23 37 13 13-0155)			
		Note: Egg crate design, plastic construction.	
23 37 13 13-0206	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	56.08
23 37 13 13-0207	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	81.09
23 37 13 13-0208 Door Grilles Sight Proof Inverted Vee Cross Section (23 37 13 13-0155)			
		Note: Painted steel louvers and frame.	
23 37 13 13-0209	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	163.24
23 37 13 13-0210	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	204.27
23 37 13 13-0211	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	255.16
23 37 13 13-0212	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	352.31
23 37 13 13-0213	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	391.00
23 37 13 13-0214 Stainless Steel Devices (23 37 13 13-0155)			
23 37 13 13-0215 304 Stainless Steel, Louvered Partition/Door Grilles (23 37 13 13-0214)			
23 37 13 13-0216	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	244.82
		<i>For 316 Stainless Steel, Add</i>	41.74
23 37 13 13-0217	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	206.74
		<i>For 316 Stainless Steel, Add</i>	34.12
23 37 13 13-0218 304 Stainless Steel, Single Deflection Supply Grilles (23 37 13 13-0214)			
23 37 13 13-0219	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	185.64
		<i>For 316 Stainless Steel, Add</i>	29.90
23 37 13 13-0220	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	157.95
		<i>For 316 Stainless Steel, Add</i>	24.36
23 37 13 13-0221 304 Stainless Steel, Double Deflection Supply Grilles (23 37 13 13-0214)			
23 37 13 13-0222	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	271.29
		<i>For 316 Stainless Steel, Add</i>	47.03
23 37 13 13-0223	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	231.32
		<i>For 316 Stainless Steel, Add</i>	39.04
23 37 13 13-0224 304 Stainless Steel Return Grilles (23 37 13 13-0214)			
23 37 13 13-0225	SF	Up To 4 SF, 304 Stainless Steel Return Grille	185.64
		<i>For 316 Stainless Steel, Add</i>	29.90
23 37 13 13-0226	SF	>4 SF, 304 Stainless Steel Return Grille	157.95
		<i>For 316 Stainless Steel, Add</i>	24.36
23 37 13 13-0227 304 Stainless Steel, Louvered Supply/Return Grilles (23 37 13 13-0214)			
23 37 13 13-0228	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	185.64
		<i>For 316 Stainless Steel, Add</i>	29.90
23 37 13 13-0229	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	157.95
		<i>For 316 Stainless Steel, Add</i>	24.36
23 37 13 13-0230 304 Stainless Steel, Perforated Return Grilles (23 37 13 13-0214)			
23 37 13 13-0231	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	185.64
		<i>For 316 Stainless Steel, Add</i>	29.90

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0232	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille..... <i>For 316 Stainless Steel, Add</i>	150.34 22.84	21.68
23 37 13 13-0233		304 Stainless Steel, Perforated Supply Grilles (23 37 13 13-0214)		
23 37 13 13-0234	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille..... <i>For 316 Stainless Steel, Add</i>	224.57 37.69	21.68
23 37 13 13-0235	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille <i>For 316 Stainless Steel, Add</i>	154.39 23.65	21.68
23 37 13 13-0236		304 Stainless Steel, Door Grilles (23 37 13 13-0214)		
23 37 13 13-0237	SF	Up To 4 SF, 304 Stainless Steel, Door Grille..... <i>For 316 Stainless Steel, Add</i>	335.14 59.80	21.68
23 37 13 13-0238	SF	>4 SF, 304 Stainless Steel, Door Grille <i>For 316 Stainless Steel, Add</i>	279.78 48.73	21.68
23 37 13 13-0239		304 Stainless Steel, Linear Bar Grilles (23 37 13 13-0214)		
23 37 13 13-0240	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	428.06 78.38	21.68
23 37 13 13-0241	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	366.63 66.10	21.68
23 37 13 13-0242		304 Stainless Steel, Hinged Filter Grilles (23 37 13 13-0214)		
23 37 13 13-0243	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille <i>For 316 Stainless Steel, Add</i>	314.90 55.75	21.68
23 37 13 13-0244	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	218.01 36.37	21.68
23 37 13 13-0245		304 Stainless Steel, Opposed Blade Dampers Grilles (23 37 13 13-0214)		
23 37 13 13-0246	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille <i>For 316 Stainless Steel, Add</i>	170.07 26.79	21.68
23 37 13 13-0247	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF <i>For 316 Stainless Steel, Add</i>	129.76 18.72	21.68
23 37 13 13-0248		304 Stainless Steel, Plaster Frames Replacement (23 37 13 13-0214) Note: For frequent replacement.		
23 37 13 13-0249	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement..... <i>For 316 Stainless Steel, Add</i>	132.69 19.31	21.68
23 37 13 13-0250	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement <i>For 316 Stainless Steel, Add</i>	70.92 6.96	21.68
23 37 13 13-0251		304 Stainless Steel, Modular Louvered Ceiling Diffusers (23 37 13 13-0214)		
23 37 13 13-0252	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	310.23 54.82	21.68
23 37 13 13-0253	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser <i>For 316 Stainless Steel, Add</i>	242.92 41.36	21.68
23 37 13 13-0254		304 Stainless Steel, Latticed Supply/Return Grilles (23 37 13 13-0214)		
23 37 13 13-0255	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille <i>For 316 Stainless Steel, Add</i>	109.33 14.64	21.68
23 37 13 13-0256	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	109.33 14.64	21.68
23 37 13 13-0257		Removal And Reinstallation Of Distribution Devices (23 37 13 13) Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 13-0258	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit.....	260.13	
23 37 13 13-0259	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	286.91	
23 37 13 13-0260	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	43.00	
23 37 13 13-0261	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille.....	58.24	
23 37 13 43		Security Registers and Grilles (23 37 13)		
23 37 13 43-0001		Security Supply Or Return Grille (23 37 13 43) Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 43-0002	EA	8" x 4" Steel Security Grille..... <i>For Anchoring Tabs, Add</i> <i>For Rear Operated Opposed Blade Damper, Add</i> <i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i> <i>For 1" x 1" Square Holes On Face, Add</i> <i>For Stainless Steel, Add</i>	275.33 23.36 85.94 0.35 58.41 303.73	20.85

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 37 13 43-0003	EA 8" x 6" Steel Security Grille	305.04	21.54
	For Anchoring Tabs, Add	26.20	
	For Rear Operated Opposed Blade Damper, Add	95.99	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	65.49	
	For Stainless Steel, Add	340.55	
23 37 13 43-0004	EA 8" x 8" Steel Security Grille	349.54	24.32
	For Anchoring Tabs, Add	30.09	
	For Rear Operated Opposed Blade Damper, Add	110.18	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	75.23	
	For Stainless Steel, Add	391.17	
23 37 13 43-0005	EA 10" x 4" Steel Security Grille	305.67	23.62
	For Anchoring Tabs, Add	25.84	
	For Rear Operated Opposed Blade Damper, Add	95.17	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	64.61	
	For Stainless Steel, Add	335.95	
23 37 13 43-0006	EA 10" x 6" Steel Security Grille	326.15	25.01
	For Anchoring Tabs, Add	27.61	
	For Rear Operated Opposed Blade Damper, Add	101.65	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	69.03	
	For Stainless Steel, Add	358.96	
23 37 13 43-0007	EA 10" x 8" Steel Security Grille	372.80	27.09
	For Anchoring Tabs, Add	31.86	
	For Rear Operated Opposed Blade Damper, Add	116.93	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	79.65	
	For Stainless Steel, Add	414.18	
23 37 13 43-0008	EA 10" x 10" Steel Security Grille	415.90	29.19
	For Anchoring Tabs, Add	35.75	
	For Rear Operated Opposed Blade Damper, Add	130.98	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	89.39	
	For Stainless Steel, Add	464.80	
23 37 13 43-0009	EA 12" x 4" Steel Security Grille	321.85	26.40
	For Anchoring Tabs, Add	26.90	
	For Rear Operated Opposed Blade Damper, Add	99.45	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	67.26	
	For Stainless Steel, Add	349.75	
23 37 13 43-0010	EA 12" x 6" Steel Security Grille	359.26	29.19
	For Anchoring Tabs, Add	30.09	
	For Rear Operated Opposed Blade Damper, Add	111.15	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	75.23	
	For Stainless Steel, Add	391.17	
23 37 13 43-0011	EA 12" x 8" Steel Security Grille	409.46	31.27
	For Anchoring Tabs, Add	34.69	
	For Rear Operated Opposed Blade Damper, Add	127.68	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	86.73	
	For Stainless Steel, Add	451.00	
23 37 13 43-0012	EA 12" x 10" Steel Security Grille	445.48	33.35
	For Anchoring Tabs, Add	37.88	
	For Rear Operated Opposed Blade Damper, Add	139.24	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	94.70	
	For Stainless Steel, Add	492.41	
23 37 13 43-0013	EA 12" x 12" Steel Security Grille	492.13	35.44
	For Anchoring Tabs, Add	42.13	
	For Rear Operated Opposed Blade Damper, Add	154.53	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	105.32	
	For Stainless Steel, Add	547.64	
23 37 13 43-0014	EA 14" x 4" Steel Security Grille	343.71	28.49
	For Anchoring Tabs, Add	28.67	
	For Rear Operated Opposed Blade Damper, Add	106.06	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	71.69	
	For Stainless Steel, Add	372.76	
23 37 13 43-0015	EA 14" x 6" Steel Security Grille	386.83	30.57
	For Anchoring Tabs, Add	32.57	
	For Rear Operated Opposed Blade Damper, Add	120.10	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	81.42	
	For Stainless Steel, Add	423.38	
23 37 13 43-0016	EA 14" x 8" Steel Security Grille	431.32	33.35
	For Anchoring Tabs, Add	36.46	
	For Rear Operated Opposed Blade Damper, Add	134.29	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	91.16	
	For Stainless Steel, Add	474.01	
23 37 13 43-0017	EA 14" x 10" Steel Security Grille	486.44	36.14
	For Anchoring Tabs, Add	41.42	
	For Rear Operated Opposed Blade Damper, Add	152.19	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	103.55	
	For Stainless Steel, Add	538.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0018	EA		14" x 12" Steel Security Grille.....	535.87	39.61
			For Anchoring Tabs, Add	45.67	
			For Rear Operated Opposed Blade Damper, Add	167.75	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	114.17	
			For Stainless Steel, Add	593.66	
23 37 13 43-0019	EA		14" x 14" Steel Security Grille.....	576.82	42.38
			For Anchoring Tabs, Add	49.21	
			For Rear Operated Opposed Blade Damper, Add	180.70	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	123.02	
			For Stainless Steel, Add	639.68	
23 37 13 43-0020	EA		16" x 6" Steel Security Grille.....	413.62	33.35
			For Anchoring Tabs, Add	34.69	
			For Rear Operated Opposed Blade Damper, Add	128.09	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	86.73	
			For Stainless Steel, Add	451.00	
23 37 13 43-0021	EA		16" x 8" Steel Security Grille.....	472.28	36.14
			For Anchoring Tabs, Add	40.00	
			For Rear Operated Opposed Blade Damper, Add	147.23	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	100.01	
			For Stainless Steel, Add	520.03	
23 37 13 43-0022	EA		16" x 10" Steel Security Grille.....	509.69	38.91
			For Anchoring Tabs, Add	43.19	
			For Rear Operated Opposed Blade Damper, Add	158.94	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	107.97	
			For Stainless Steel, Add	561.44	
23 37 13 43-0023	EA		16" x 12" Steel Security Grille.....	574.05	40.99
			For Anchoring Tabs, Add	49.21	
			For Rear Operated Opposed Blade Damper, Add	180.42	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	123.02	
			For Stainless Steel, Add	639.68	
23 37 13 43-0024	EA		16" x 14" Steel Security Grille.....	607.92	43.78
			For Anchoring Tabs, Add	52.04	
			For Rear Operated Opposed Blade Damper, Add	190.89	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	130.10	
			For Stainless Steel, Add	676.49	
23 37 13 43-0025	EA		16" x 16" Steel Security Grille.....	659.50	46.56
			For Anchoring Tabs, Add	56.64	
			For Rear Operated Opposed Blade Damper, Add	207.55	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	141.60	
			For Stainless Steel, Add	736.32	
23 37 13 43-0026	EA		18" x 6" Steel Security Grille.....	439.66	37.52
			For Anchoring Tabs, Add	36.46	
			For Rear Operated Opposed Blade Damper, Add	135.12	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	91.16	
			For Stainless Steel, Add	474.01	
23 37 13 43-0027	EA		18" x 8" Steel Security Grille.....	501.86	40.30
			For Anchoring Tabs, Add	42.13	
			For Rear Operated Opposed Blade Damper, Add	155.50	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	105.32	
			For Stainless Steel, Add	547.64	
23 37 13 43-0028	EA		18" x 10" Steel Security Grille.....	549.90	43.08
			For Anchoring Tabs, Add	46.37	
			For Rear Operated Opposed Blade Damper, Add	170.93	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	115.94	
			For Stainless Steel, Add	602.86	
23 37 13 43-0029	EA		18" x 12" Steel Security Grille.....	605.01	45.86
			For Anchoring Tabs, Add	51.33	
			For Rear Operated Opposed Blade Damper, Add	188.83	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	128.33	
			For Stainless Steel, Add	667.29	
23 37 13 43-0030	EA		18" x 14" Steel Security Grille.....	646.10	45.17
			For Anchoring Tabs, Add	55.58	
			For Rear Operated Opposed Blade Damper, Add	203.56	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	138.95	
			For Stainless Steel, Add	722.51	
23 37 13 43-0031	EA		18" x 16" Steel Security Grille.....	706.92	47.25
			For Anchoring Tabs, Add	61.24	
			For Rear Operated Opposed Blade Damper, Add	223.80	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	153.11	
			For Stainless Steel, Add	796.15	
23 37 13 43-0032	EA		18" x 18" Steel Security Grille.....	757.10	49.33
			For Anchoring Tabs, Add	65.84	
			For Rear Operated Opposed Blade Damper, Add	240.32	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	164.61	
			For Stainless Steel, Add	855.97	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 37 13 43-0033	EA 20" x 6" Steel Security Grille	471.39	40.99
	For Anchoring Tabs, Add	38.94	
	For Rear Operated Opposed Blade Damper, Add	144.49	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	97.35	
	For Stainless Steel, Add	506.22	
23 37 13 43-0034	EA 20" x 8" Steel Security Grille	532.82	45.17
	For Anchoring Tabs, Add	44.25	
	For Rear Operated Opposed Blade Damper, Add	163.91	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	110.63	
	For Stainless Steel, Add	575.25	
23 37 13 43-0035	EA 20" x 10" Steel Security Grille	586.56	47.25
	For Anchoring Tabs, Add	49.21	
	For Rear Operated Opposed Blade Damper, Add	181.67	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	123.02	
	For Stainless Steel, Add	639.68	
23 37 13 43-0036	EA 20" x 12" Steel Security Grille	645.21	50.03
	For Anchoring Tabs, Add	54.52	
	For Rear Operated Opposed Blade Damper, Add	200.81	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	136.29	
	For Stainless Steel, Add	708.71	
23 37 13 43-0037	EA 20" x 14" Steel Security Grille	709.55	52.12
	For Anchoring Tabs, Add	60.53	
	For Rear Operated Opposed Blade Damper, Add	222.29	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	151.34	
	For Stainless Steel, Add	786.94	
23 37 13 43-0038	EA 20" x 16" Steel Security Grille	766.83	54.20
	For Anchoring Tabs, Add	65.84	
	For Rear Operated Opposed Blade Damper, Add	241.29	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	164.61	
	For Stainless Steel, Add	855.97	
23 37 13 43-0039	EA 20" x 18" Steel Security Grille	820.56	56.28
	For Anchoring Tabs, Add	70.80	
	For Rear Operated Opposed Blade Damper, Add	259.06	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	177.00	
	For Stainless Steel, Add	920.40	
23 37 13 43-0040	EA 20" x 20" Steel Security Grille	884.91	58.36
	For Anchoring Tabs, Add	76.82	
	For Rear Operated Opposed Blade Damper, Add	280.54	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	192.05	
	For Stainless Steel, Add	998.63	
23 37 13 43-0041	EA 24" x 6" Steel Security Grille	523.59	45.86
	For Anchoring Tabs, Add	43.19	
	For Rear Operated Opposed Blade Damper, Add	160.33	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	107.97	
	For Stainless Steel, Add	561.44	
23 37 13 43-0042	EA 24" x 8" Steel Security Grille	592.11	50.03
	For Anchoring Tabs, Add	49.21	
	For Rear Operated Opposed Blade Damper, Add	182.23	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	123.02	
	For Stainless Steel, Add	639.68	
23 37 13 43-0043	EA 24" x 10" Steel Security Grille	647.99	51.42
	For Anchoring Tabs, Add	54.52	
	For Rear Operated Opposed Blade Damper, Add	201.09	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	136.29	
	For Stainless Steel, Add	708.71	
23 37 13 43-0044	EA 24" x 12" Steel Security Grille	726.36	56.97
	For Anchoring Tabs, Add	61.24	
	For Rear Operated Opposed Blade Damper, Add	225.74	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	153.11	
	For Stainless Steel, Add	796.15	
23 37 13 43-0045	EA 24" x 14" Steel Security Grille	783.62	59.07
	For Anchoring Tabs, Add	66.55	
	For Rear Operated Opposed Blade Damper, Add	244.74	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	166.38	
	For Stainless Steel, Add	865.18	
23 37 13 43-0046	EA 24" x 16" Steel Security Grille	855.05	61.15
	For Anchoring Tabs, Add	73.28	
	For Rear Operated Opposed Blade Damper, Add	268.70	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	183.20	
	For Stainless Steel, Add	952.61	
23 37 13 43-0047	EA 24" x 18" Steel Security Grille	937.10	63.23
	For Anchoring Tabs, Add	81.07	
	For Rear Operated Opposed Blade Damper, Add	296.38	
	For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
	For 1" x 1" Square Holes On Face, Add	202.67	
	For Stainless Steel, Add	1,053.86	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 37 13 43-0048	EA 24" x 20" Steel Security Grille..... For Anchoring Tabs, Add For Rear Operated Opposed Blade Damper, Add For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add For 1" x 1" Square Holes On Face, Add For Stainless Steel, Add	86.38 315.38 0.35 215.94 1,122.89	994.36	65.31	
23 37 13 43-0049	EA 24" x 24" Steel Security Grille..... For Anchoring Tabs, Add For Rear Operated Opposed Blade Damper, Add For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add For 1" x 1" Square Holes On Face, Add For Stainless Steel, Add	97.70 355.86 0.35 244.26 1,270.15	1,115.97	69.49	
23 37 23 HVAC Gravity Ventilators (23 37)					
23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)					
23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood (23 37 23 13)					
Note: Includes flange base and bird screen. Excludes curb.					
23 37 23 13-0002	EA 8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,354.60	80.47		
23 37 23 13-0003	EA 8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,429.34	92.12		
23 37 23 13-0004	EA 8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,787.32	114.59		
23 37 23 13-0005	EA 8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,903.82	121.95		
23 37 23 13-0006	EA 8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,223.02	141.93		
23 37 23 13-0007	EA 10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,598.33	91.57		
23 37 23 13-0008	EA 12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,756.84	103.23		
23 37 23 13-0009	EA 12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,043.30	110.99		
23 37 23 13-0010	EA 12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,217.34	134.52		
23 37 23 13-0011	EA 12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,557.57	144.29		
23 37 23 13-0012	EA 12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,897.54	153.16		
23 37 23 13-0013	EA 14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,911.95	104.47		
23 37 23 13-0014	EA 14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,178.77	119.04		
23 37 23 13-0015	EA 14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,445.60	133.61		
23 37 23 13-0016	EA 14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,756.77	150.67		
23 37 23 13-0017	EA 14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,112.57	170.10		
23 37 23 13-0018	EA 16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,312.07	126.39		
23 37 23 13-0019	EA 16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,401.05	131.24		
23 37 23 13-0020	EA 16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,667.85	145.81		
23 37 23 13-0021	EA 16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,023.52	165.24		
23 37 23 13-0022	EA 16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,379.19	184.66		
23 37 23 13-0023	EA 16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,868.32	211.44		
23 37 23 13-0024	EA 18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,298.62	124.58		
23 37 23 13-0025	EA 18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,674.69	144.99		
23 37 23 13-0026	EA 18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,050.91	165.38		
23 37 23 13-0027	EA 18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,468.81	187.99		
23 37 23 13-0028	EA 18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,844.91	208.38		
23 37 23 13-0029	EA 20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,411.66	138.19		
23 37 23 13-0030	EA 20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,727.87	156.36		
23 37 23 13-0031	EA 20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,044.20	174.39		
23 37 23 13-0032	EA 20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,518.66	201.58		
23 37 23 13-0033	EA 20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,874.42	221.99		
23 37 23 13-0034	EA 24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,037.85	185.77		
23 37 23 13-0035	EA 24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,371.23	206.17		
23 37 23 13-0036	EA 24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,852.89	235.58		
23 37 23 13-0037	EA 24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,223.34	258.19		
23 37 23 13-0038	EA 24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,630.86	283.17		
23 37 23 13-0039	EA 30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,657.21	211.44		
23 37 23 13-0040	EA 30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,029.71	232.94		
23 37 23 13-0041	EA 30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,436.17	256.39		
23 37 23 13-0042	EA 30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,842.50	279.97		
23 37 23 13-0043	EA 30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,892.21	340.60		
23 37 23 13-0044	EA 30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,298.68	364.05		
23 37 23 13-0045	EA 36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,214.29	262.36		
23 37 23 13-0046	EA 36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,623.07	287.75		
23 37 23 13-0047	EA 36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,535.10	344.49		
23 37 23 13-0048	EA 36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,164.04	383.61		
23 37 23 13-0049	EA 36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,541.53	407.20		
23 37 23 13-0050	EA 36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,044.67	438.42		
23 37 23 13-0051	EA 36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,925.30	493.21		
23 37 23 13-0052	EA 42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,031.40	293.71		
23 37 23 13-0053	EA 42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,246.80	364.61		
23 37 23 13-0054	EA 42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,123.12	415.80		
23 37 23 13-0055	EA 42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,377.44	430.64		
23 37 23 13-0056	EA 42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,225.44	480.04		
23 37 23 13-0057	EA 42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,045.13	527.90		
23 37 23 13-0058	EA 48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,636.65	423.98		
23 37 23 13-0059	EA 48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,179.05	458.67		
23 37 23 13-0060	EA 48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,721.31	493.36		
23 37 23 13-0061	EA 48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,573.48	547.74		
23 37 23 13-0062	EA 48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,082.53	554.95		
23 37 23 13-0063	EA 54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,706.27	477.95		
23 37 23 13-0064	EA 54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,644.18	536.09		
23 37 23 13-0065	EA 54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,379.38	581.73		
23 37 23 13-0066	EA 54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,987.65	619.47		
23 37 23 13-0067	EA 60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,605.47	595.05		
23 37 23 13-0068	EA 60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,085.51	634.32		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	10,811.00	683.01
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	10,073.62	686.21
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	11,779.92	802.46
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	12,160.29	739.90

23 38 Ventilation Hoods (23 30)**23 38 13 Commercial-Kitchen Hoods** (23 38)**23 38 13 13 Listed Commercial-Kitchen Hoods** (23 38 13)**23 38 13 13-0001 Universal Ventless Hood** (23 38 13 13)

23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	54,443.70	550.49
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23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)**23 38 13 16-0001 Commercial Kitchen Hood Ventilation System** (23 38 13 16)

Note: Excludes fire suppression. See CSI section 21 24 16 00-0000 for fire suppression system, 23 31 13 23-0000 for duct, 23 34 16 00-0108 for exhaust and supply fans.

23 38 13 16-0002 Dry Filter Exhaust Hoods (23 38 13 16-0001)

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood.....	12,972.59	1,032.81
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	13,514.11	1,097.37
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood.....	15,072.72	1,161.92
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	15,529.73	1,226.47
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood.....	16,086.20	1,291.02
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	16,674.31	1,355.57
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood.....	17,231.54	1,420.12
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	17,805.83	1,484.67
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood.....	18,444.84	1,549.23
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	18,998.83	1,613.78
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood.....	19,457.11	1,678.33
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	20,229.80	1,742.88
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood.....	22,637.65	1,807.43
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	23,247.55	1,871.98
23 38 13 16-0017	EA	15' Long x 60" Deep Dry Filter Exhaust Hood.....	24,076.49	1,936.53
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	24,700.16	2,001.09
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood.....	25,633.06	2,065.64

23 38 13 16-0020 Dry Extractor Exhaust Hoods (23 38 13 16-0001)

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.

23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood.....	18,163.97	1,032.81
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	18,738.35	1,097.37
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood.....	20,395.52	1,161.92
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	20,983.97	1,226.47
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood.....	21,573.29	1,291.02
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	22,128.54	1,355.57
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood.....	22,718.63	1,420.12
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	23,276.49	1,484.67
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood.....	23,800.51	1,549.23
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	24,551.64	1,613.78
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood.....	25,420.62	1,678.33
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	26,341.17	1,742.88
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood.....	28,272.59	1,807.43
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	29,211.07	1,871.98
23 38 13 16-0035	EA	15' Long x 60" Deep Dry Extractor Exhaust Hood.....	31,042.14	1,936.53
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	32,897.93	2,001.09
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood.....	34,734.40	2,065.64

23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods (23 38 13 16-0001)

Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.

23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	19,478.24	1,032.81
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	20,085.48	1,097.37
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	21,775.51	1,161.92
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	22,380.38	1,226.47
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	23,018.99	1,291.02
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	23,607.10	1,355.57
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	24,213.61	1,420.12
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	24,820.77	1,484.67
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	25,361.21	1,549.23
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	26,178.05	1,613.78
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	27,112.75	1,678.33
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	28,099.01	1,742.88
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	30,096.15	1,807.43
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	31,100.33	1,871.98
23 38 13 16-0053	EA	15' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	33,112.12	1,936.53
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	34,113.64	2,001.09
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	35,112.25	2,065.64
23 38 13 16-0056	EA	Fan Wash Control Panel.....	13,974.06	516.41

Note: Includes time clock and backflow preventer.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 38 13 16-0057 Utility Distribution System (UDS) (23 38 13 16-0001)

Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.

23 38 13 16-0058	EA	8' Long Utility Distribution System (UDS).....	37,054.52	525.19
23 38 13 16-0059	EA	8'-6" Long Utility Distribution System (UDS).....	38,148.04	537.97
23 38 13 16-0060	EA	9' Long Utility Distribution System (UDS).....	39,229.64	550.49
23 38 13 16-0061	EA	9'-6" Long Utility Distribution System (UDS).....	40,321.45	568.05
23 38 13 16-0062	EA	10' Long Utility Distribution System (UDS).....	41,405.97	582.00
23 38 13 16-0063	EA	10'-6" Long Utility Distribution System (UDS).....	42,480.41	596.71
23 38 13 16-0064	EA	11' Long Utility Distribution System (UDS).....	43,568.87	606.91
23 38 13 16-0065	EA	11'-6" Long Utility Distribution System (UDS).....	44,657.39	622.92
23 38 13 16-0066	EA	12' Long Utility Distribution System (UDS).....	45,759.28	645.52
23 38 13 16-0067	EA	12'-6" Long Utility Distribution System (UDS).....	46,877.34	676.23
23 38 13 16-0068	EA	13' Long Utility Distribution System (UDS).....	47,973.69	696.12
23 38 13 16-0069	EA	13'-6" Long Utility Distribution System (UDS).....	49,087.11	724.52
23 38 13 16-0070	EA	14' Long Utility Distribution System (UDS).....	50,189.44	747.37
23 38 13 16-0071	EA	14'-6" Long Utility Distribution System (UDS).....	51,294.77	771.78
23 38 13 16-0072	EA	15' Long Utility Distribution System (UDS).....	52,403.39	797.85
23 38 13 16-0073	EA	15'-6" Long Utility Distribution System (UDS).....	53,515.62	825.61
23 38 13 16-0074	EA	16' Long Utility Distribution System (UDS).....	54,611.53	845.36

23 38 13 16-0075 Stainless Steel Exhaust Hood Material (23 38 13 16)

Note: Welded seams.

23 38 13 16-0076	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	53.14	17.69
		<i>For Type 316 Stainless Steel, Add</i>	1.65	
23 38 13 16-0077	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	66.43	23.58
		<i>For Type 316 Stainless Steel, Add</i>	2.06	
23 38 13 16-0078	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	92.27	31.84
		<i>For Type 316 Stainless Steel, Add</i>	2.88	
23 38 13 16-0079	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	115.61	38.91
		<i>For Type 316 Stainless Steel, Add</i>	3.70	

23 38 13 16-0080 Kitchen Exhaust Hood (23 38 13 16)

23 38 13 16-0081	EA	10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSP1048).....	11,379.59	2,559.50
		Note: Ductwork connections by others.		
		<i>For Type 316 Stainless Steel, Add</i>	626.06	
23 38 13 16-0082	EA	8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848)	10,355.79	2,047.60
		Note: Ductwork connections by others.		
		<i>For Type 316 Stainless Steel, Add</i>	626.06	
23 38 13 16-0083	EA	4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448)	5,614.94	1,023.80
		Note: Ductwork connections by others.		
		<i>For Type 316 Stainless Steel, Add</i>	356.73	
23 38 13 16-0084	EA	6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648)	7,250.08	1,535.70
		Note: Ductwork connections by others.		
		<i>For Type 316 Stainless Steel, Add</i>	417.87	
23 38 13 16-0085	EA	5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548)	6,523.39	1,279.75
		Note: Ductwork connections by others.		
		<i>For Type 316 Stainless Steel, Add</i>	396.39	

23 40 HVAC Air Cleaning Devices (23)
23 41 Particulate Air Filtration (23 40)
23 41 13 Panel Air Filters (23 41)
23 41 13 00-0001 Disposable Air Filters (23 41 13)

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential	14.58	
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23 41 13 00-0003 Disposable Fiberglass Air Filters (23 41 13)

23 41 13 00-0004	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.68	6.67
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0005	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.68	6.67
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0006	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.38	6.67
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0007	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.32	6.98
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0008	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.32	6.98
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0009	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.32	6.98
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0010	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.32	6.98
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0011	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5.....	14.56	6.98
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0012	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5.....	15.12	7.29
		Note: One-piece kraft fiberboard frame with two metal grids.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 41 13 00-0013	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.10	7.29
23 41 13 00-0014	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.42	7.29
23 41 13 00-0015	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.42	7.29
23 41 13 00-0016	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	14.42	7.29
23 41 13 00-0017	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.06	7.29
23 41 13 00-0018	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.07	7.29
23 41 13 00-0019	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.27	7.71
23 41 13 00-0020	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.79	7.71
23 41 13 00-0021	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.30	7.71
23 41 13 00-0022	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.27	7.71
23 41 13 00-0023	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.30	7.71
23 41 13 00-0024	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.18	7.71
23 41 13 00-0025	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.49	7.93
23 41 13 00-0026	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.49	7.93
23 41 13 00-0027	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.89	7.93
23 41 13 00-0028	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.66	8.03
23 41 13 00-0029	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.30	8.03
23 41 13 00-0030	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.71	8.03
23 41 13 00-0031	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.68	8.03
23 41 13 00-0032	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	15.08	8.03
23 41 13 00-0033	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.04	8.03
23 41 13 00-0034	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	23.70	8.03
23 41 13 00-0035	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	23.41	8.03
23 41 13 00-0036	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.09	8.34
23 41 13 00-0037	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.71	8.34
23 41 13 00-0038	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	17.09	8.34
23 41 13 00-0039	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.37	8.34
23 41 13 00-0040	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.22	8.34
23 41 13 00-0041	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.34	8.34
23 41 13 00-0042	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.01	8.76
23 41 13 00-0043	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.05	8.76
23 41 13 00-0044	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.38	8.76
23 41 13 00-0045	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	18.60	8.76
23 41 13 00-0046	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.18	8.76
23 41 13 00-0047	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	24.68	8.76
23 41 13 00-0048	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	22.31	8.76
23 41 13 00-0049	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.36	8.86
23 41 13 00-0050	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.51	8.96
23 41 13 00-0051	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.65	9.07
23 41 13 00-0052	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	20.30	9.07
23 41 13 00-0053	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	26.87	9.07
23 41 13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	19.79	9.17
23 41 13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	27.40	9.17
23 41 13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5..... Note: One-piece kraft fiberboard frame with two metal grids.	16.31	6.98

MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
23 41 13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5.....	15.22			6.98
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0058	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5.....	17.67			7.29
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0059	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5.....	18.23			7.71
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0060	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5.....	18.23			7.71
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0061	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5.....	18.61			7.93
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0062	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5.....	18.52			8.03
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0063	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5.....	18.35			8.03
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0064	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5.....	18.75			8.03
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0065	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5.....	19.87			8.34
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0066	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5.....	20.55			8.76
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0067	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5.....	20.27			8.76
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0068	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5.....	20.27			8.76
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0069	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5.....	20.97			9.07
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0070	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5.....	21.11			9.17
		Note: One-piece kraft fiberboard frame with two metal grids.				
23 41 13 00-0071 Disposable Pleated Air Filters (23 41 13)						
23 41 13 00-0072	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	15.43			6.98
23 41 13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	22.66			6.98
23 41 13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	28.36			6.98
23 41 13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8.....	19.75			7.29
23 41 13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	18.40			7.29
23 41 13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	18.19			7.29
23 41 13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	18.19			7.29
23 41 13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	28.78			7.29
23 41 13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8.....	22.31			7.71
23 41 13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	18.96			7.71
23 41 13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	24.02			7.71
23 41 13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	19.58			7.71
23 41 13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	27.81			7.71
23 41 13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	19.36			7.93
23 41 13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8.....	22.72			8.03
23 41 13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	19.09			8.03
23 41 13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	22.14			8.03
23 41 13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	19.78			8.03
23 41 13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	28.22			8.03
23 41 13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8.....	30.16			8.34
23 41 13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	22.51			8.34
23 41 13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	22.13			8.34
23 41 13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	21.87			8.34
23 41 13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	30.34			8.34
23 41 13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8.....	20.87			8.76
23 41 13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	22.26			8.76
23 41 13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	22.02			8.76
23 41 13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	24.79			8.76
23 41 13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8.....	29.98			8.96
23 41 13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8.....	23.67			9.07
23 41 13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8.....	36.79			9.07
23 41 13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8.....	25.02			9.17
23 41 13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	18.12			6.98
23 41 13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8.....	23.50			7.29
23 41 13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	18.99			7.29
23 41 13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	18.71			7.29
23 41 13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	19.79			7.71
23 41 13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	20.63			7.71
23 41 13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	20.06			7.93
23 41 13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8.....	25.06			8.03
23 41 13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	19.68			8.03
23 41 13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	22.35			8.03
23 41 13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	20.76			8.03
23 41 13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8.....	28.84			8.34
23 41 13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	24.71			8.34
23 41 13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	22.51			8.34
23 41 13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	23.35			8.34
23 41 13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8.....	21.95			8.76
23 41 13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	23.47			8.76
23 41 13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	23.21			8.76
23 41 13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8.....	33.17			8.76
23 41 13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8.....	24.85			9.07
23 41 13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8.....	27.39			9.17
23 41 13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8.....	28.36			7.29
23 41 13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8.....	30.66			8.03

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 41 13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	32.73	8.03
23 41 13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	35.27	8.34
23 41 13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	33.60	8.76
23 41 13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	36.50	8.76
23 41 13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	36.77	8.76
23 41 13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	40.09	9.07
23 41 13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.83	6.98
23 41 13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	25.83	6.98
23 41 13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	33.32	6.98
23 41 13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	27.37	7.29
23 41 13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.69	7.29
23 41 13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	26.58	7.29
23 41 13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.75	7.29
23 41 13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	31.05	7.71
23 41 13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	27.42	7.71
23 41 13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	35.22	7.71
23 41 13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	34.47	7.71
23 41 13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	40.35	7.71
23 41 13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.36	7.93
23 41 13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	37.08	8.03
23 41 13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.68	8.03
23 41 13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	31.63	8.03
23 41 13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	29.12	8.03
23 41 13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.24	8.03
23 41 13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	39.13	8.34
23 41 13 00-0152	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	33.31	8.34
23 41 13 00-0153	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	30.10	8.34
23 41 13 00-0154	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.04	8.34
23 41 13 00-0155	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	44.13	8.34
23 41 13 00-0156	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	30.28	8.76
23 41 13 00-0157	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	33.15	8.76
23 41 13 00-0158	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	33.46	8.76
23 41 13 00-0159	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.81	8.76
23 41 13 00-0160	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	42.89	8.96
23 41 13 00-0161	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	36.27	9.07
23 41 13 00-0162	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	46.76	9.07
23 41 13 00-0163	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	40.72	9.17
23 41 13 00-0164	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	26.27	6.98
23 41 13 00-0165	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	27.66	7.29
23 41 13 00-0166	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	26.33	7.29
23 41 13 00-0167	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	30.80	7.29
23 41 13 00-0168	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.73	7.71
23 41 13 00-0169	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	29.02	7.71
23 41 13 00-0170	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	28.48	7.93
23 41 13 00-0171	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	37.83	8.03
23 41 13 00-0172	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	33.04	8.03
23 41 13 00-0173	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	32.23	8.03
23 41 13 00-0174	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	36.39	8.03
23 41 13 00-0175	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	43.50	8.34
23 41 13 00-0176	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	34.67	8.34
23 41 13 00-0177	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	39.45	8.34
23 41 13 00-0178	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	34.29	8.34
23 41 13 00-0179	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	37.99	8.76
23 41 13 00-0180	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	40.65	8.76
23 41 13 00-0181	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	41.04	8.76
23 41 13 00-0182	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	41.06	9.07
23 41 13 00-0183	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	41.59	9.17
23 41 13 00-0184	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	49.60	7.29
23 41 13 00-0185	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	50.86	8.03
23 41 13 00-0186	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	60.40	8.03
23 41 13 00-0187	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	60.35	8.34
23 41 13 00-0188	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	60.18	8.76
23 41 13 00-0189	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	66.17	8.76
23 41 13 00-0190	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	66.17	8.76
23 41 13 00-0191	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	73.77	9.07
23 41 13 00-0192	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	6.67
23 41 13 00-0193	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	6.67
23 41 13 00-0194	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	6.67
23 41 13 00-0195	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.12	6.98
23 41 13 00-0196	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.72	6.98
23 41 13 00-0197	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.12	6.98
23 41 13 00-0198	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.12	6.98
23 41 13 00-0199	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.12	6.98
23 41 13 00-0200	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.14	7.29
23 41 13 00-0201	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.54	7.29
23 41 13 00-0202	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.14	7.29
23 41 13 00-0203	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.14	7.29
23 41 13 00-0204	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.54	7.29
23 41 13 00-0205	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.54	7.29
23 41 13 00-0206	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.94	7.29
23 41 13 00-0207	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	7.71
23 41 13 00-0208	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.10	7.71
23 41 13 00-0209	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	7.71
23 41 13 00-0210	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	7.71
23 41 13 00-0211	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.70	7.71

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0212	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.10	7.71
23 41 13 00-0213	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.97	7.93
23 41 13 00-0214	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.37	7.93
23 41 13 00-0215	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.37	7.93
23 41 13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.11	8.03
23 41 13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.51	8.03
23 41 13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.11	8.03
23 41 13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.11	8.03
23 41 13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.11	8.03
23 41 13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.51	8.03
23 41 13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.51	8.03
23 41 13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.07	8.03
23 41 13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.52	8.34
23 41 13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.32	8.34
23 41 13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.52	8.34
23 41 13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.32	8.34
23 41 13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.32	8.34
23 41 13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.48	8.34
23 41 13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.89	8.76
23 41 13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.09	8.76
23 41 13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.09	8.76
23 41 13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.09	8.76
23 41 13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.49	8.76
23 41 13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	40.05	8.76
23 41 13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	40.05	8.76
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.03	8.86
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.76	8.96
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.71	9.07
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.71	9.07
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	43.26	9.07
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.85	9.17
23 41 13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	43.40	9.17
23 41 13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	43.68	9.38
23 41 13 00-0245 Carbon Vapor Trap, Disposable V-Bank Filter (23 41 13)				
23 41 13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	974.21	20.85
23 41 13 00-0247 Electrostatic Air Filters With Frame, Element And Busbar (23 41 13)				
23 41 13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar	72.91	
23 41 13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar	70.42	
23 41 13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	3.04	
23 41 16 Renewable-Media Air Filters (23 41)				
23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar (23 41 16)				
23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	125.46	
23 41 19 Washable Air Filters (23 41)				
23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar (23 41 19)				
23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	47.91	
23 41 33 High-Efficiency Particulate Filtration (23 41)				
23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters (23 41 33)				
Note: Includes particleboard and kraft paper frame and separator material. See CSI section 23 41 13 00-0000 for prefilters.				
23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% (23 41 33 00-0001)				
23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	133.93	19.45
		For Removal And Replacement In Existing Equipment, Add	3.89	
		For >10 To 25, Deduct	-3.35	
		For >25 To 50, Deduct	-6.70	
		For >50 To 100, Deduct	-10.04	
		For >100, Deduct	-13.39	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	177.10	22.24
		For Removal And Replacement In Existing Equipment, Add	4.45	
		For >10 To 25, Deduct	-4.43	
		For >25 To 50, Deduct	-8.86	
		For >50 To 100, Deduct	-13.28	
		For >100, Deduct	-17.71	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	207.19	25.71
		For Removal And Replacement In Existing Equipment, Add	5.14	
		For >10 To 25, Deduct	-5.18	
		For >25 To 50, Deduct	-10.36	
		For >50 To 100, Deduct	-15.54	
		For >100, Deduct	-20.72	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 41 33 00-0006	EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	237.30	29.19
	For Removal And Replacement In Existing Equipment, Add	5.84	
	For >10 To 25, Deduct	-5.93	
	For >25 To 50, Deduct	-11.87	
	For >50 To 100, Deduct	-17.80	
	For >100, Deduct	-23.73	
23 41 33 00-0007	EA 12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	162.41	20.85
	For Removal And Replacement In Existing Equipment, Add	4.17	
	For >10 To 25, Deduct	-4.06	
	For >25 To 50, Deduct	-8.12	
	For >50 To 100, Deduct	-12.18	
	For >100, Deduct	-16.24	
23 41 33 00-0008	EA 24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	217.13	24.32
	For Removal And Replacement In Existing Equipment, Add	4.86	
	For >10 To 25, Deduct	-5.43	
	For >25 To 50, Deduct	-10.86	
	For >50 To 100, Deduct	-16.28	
	For >100, Deduct	-21.71	
23 41 33 00-0009	EA 24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	259.20	27.80
	For Removal And Replacement In Existing Equipment, Add	5.56	
	For >10 To 25, Deduct	-6.48	
	For >25 To 50, Deduct	-12.96	
	For >50 To 100, Deduct	-19.44	
	For >100, Deduct	-25.92	
23 41 33 00-0010	EA 24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	308.21	34.74
	For Removal And Replacement In Existing Equipment, Add	6.95	
	For >10 To 25, Deduct	-7.71	
	For >25 To 50, Deduct	-15.41	
	For >50 To 100, Deduct	-23.12	
	For >100, Deduct	-30.82	

23 41 33 00-0011 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% (23 41 33 00-0001)

23 41 33 00-0012	EA 12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	114.92	17.37
	For Removal And Replacement In Existing Equipment, Add	3.47	
	For >10 To 25, Deduct	-2.87	
	For >25 To 50, Deduct	-5.75	
	For >50 To 100, Deduct	-8.62	
	For >100, Deduct	-11.49	
23 41 33 00-0013	EA 24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	158.21	20.85
	For Removal And Replacement In Existing Equipment, Add	4.17	
	For >10 To 25, Deduct	-3.96	
	For >25 To 50, Deduct	-7.91	
	For >50 To 100, Deduct	-11.87	
	For >100, Deduct	-15.82	
23 41 33 00-0014	EA 24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	240.09	24.32
	For Removal And Replacement In Existing Equipment, Add	4.86	
	For >10 To 25, Deduct	-6.00	
	For >25 To 50, Deduct	-12.00	
	For >50 To 100, Deduct	-18.01	
	For >100, Deduct	-24.01	
23 41 33 00-0015	EA 36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	307.76	27.80
	For Removal And Replacement In Existing Equipment, Add	5.56	
	For >10 To 25, Deduct	-7.69	
	For >25 To 50, Deduct	-15.39	
	For >50 To 100, Deduct	-23.08	
	For >100, Deduct	-30.78	
23 41 33 00-0016	EA 8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	107.91	13.90
	For Removal And Replacement In Existing Equipment, Add	2.78	
	For >10 To 25, Deduct	-2.70	
	For >25 To 50, Deduct	-5.40	
	For >50 To 100, Deduct	-8.09	
	For >100, Deduct	-10.79	
23 41 33 00-0017	EA 12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	143.10	18.76
	For Removal And Replacement In Existing Equipment, Add	3.75	
	For >10 To 25, Deduct	-3.58	
	For >25 To 50, Deduct	-7.16	
	For >50 To 100, Deduct	-10.73	
	For >100, Deduct	-14.31	
23 41 33 00-0018	EA 24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	191.83	22.24
	For Removal And Replacement In Existing Equipment, Add	4.45	
	For >10 To 25, Deduct	-4.80	
	For >25 To 50, Deduct	-9.59	
	For >50 To 100, Deduct	-14.39	
	For >100, Deduct	-19.18	
23 41 33 00-0019	EA 24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	225.20	26.06
	For Removal And Replacement In Existing Equipment, Add	5.21	
	For >10 To 25, Deduct	-5.63	
	For >25 To 50, Deduct	-11.26	
	For >50 To 100, Deduct	-16.89	
	For >100, Deduct	-22.52	
23 41 33 00-0020	EA 24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	257.18	29.19
	For Removal And Replacement In Existing Equipment, Add	5.84	
	For >10 To 25, Deduct	-6.43	
	For >25 To 50, Deduct	-12.86	
	For >50 To 100, Deduct	-19.29	
	For >100, Deduct	-25.72	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0021	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete <i>For Removal And Replacement In Existing Equipment, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	175.82 4.17 -4.40 -8.79 -13.19 -17.58	20.85
23 41 33 00-0022	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete <i>For Removal And Replacement In Existing Equipment, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	235.86 4.86 -5.90 -11.79 -17.69 -23.59	24.32
23 41 33 00-0023	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete <i>For Removal And Replacement In Existing Equipment, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	281.82 5.56 -7.05 -14.09 -21.14 -28.18	27.80
23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete <i>For Removal And Replacement In Existing Equipment, Add</i> <i>For >10 To 25, Deduct</i> <i>For >25 To 50, Deduct</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	347.35 6.95 -8.68 -17.37 -26.05 -34.74	34.74
23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal (23 41 33)				
Note: Nominal sizes.				
23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	342.17	103.66
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	641.60	206.04
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	650.76	206.04
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	656.86	206.04
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	699.61	206.04
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	753.05	206.04
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,246.54	413.36
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,376.32	413.36
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,541.21	413.36
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	368.13	103.66
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	685.87	206.04
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	696.56	206.04
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	704.19	206.04
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	754.58	206.04
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	821.76	206.04
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,353.41	413.36
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,515.25	413.36
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,719.85	413.36
23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency (23 41 33)				
23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	314.28	134.37
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	357.00	134.37
23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency (23 41 33)				
23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	309.37	134.37
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	340.89	134.37
23 42 Gas-Phase Air Filtration (23 40)				
23 42 13 Activated-Carbon Air Filtration (23 42)				
23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	48.28	10.42
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	48.81	10.42
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	49.13	10.42
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	49.13	10.42
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	53.14	10.42
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	59.72	10.42
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	60.78	11.82
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	61.23	11.82
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	61.61	11.82
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	61.61	11.82
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	66.04	11.82
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	78.38	11.82
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	29.95	10.42
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	31.86	10.42
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	31.93	10.42
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	34.42	10.42
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	36.64	10.42
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	34.64	11.82
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	37.96	11.82
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	38.67	11.82
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	42.78	11.82
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	45.40	11.82
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	73.89	12.51

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 40 HVAC Air Cleaning Devices****23 42 Gas-Phase Air Filtration**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 43 Electronic Air Cleaners (23 40)**23 43 23 Self-Contained Electronic Air Cleaners** (23 43)**23 43 23 00-0001 Stationary Floor, Room Air Purifier** (23 43 23)

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,164.22	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,620.68	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	4,098.58	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	918.08	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,651.67	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	6,542.27	

23 43 23 00-0008 Surface Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	3,002.91	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	4,182.28	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,783.09	

23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier (23 43 23)

23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,877.89	
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23 43 23 00-0014 Duct Mounted, Ionization System (23 43 23)

23 43 23 00-0015	EA	Up To 10,000 CFM, 120/240 VAC, 50 Watt, 8 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 500FC)	12,364.16	555.88
23 43 23 00-0016	EA	Up To 15,000 CFM, 120/240 VAC, 50 Watt, 5 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 508FC)	16,784.41	694.85

23 43 33 Self-Contained Electronic Ultraviolet Germicidal Cleaners (23 43)**23 43 33 00-0001 Suspension Ceiling Troffer Mounted, Ultraviolet Germicidal Air Purifier** (23 43 33)

23 43 33 00-0002	EA	2' x 2', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X2)	4,251.94	
Note: 6,300 cu ft/hour air cleaning				
23 43 33 00-0003	EA	2' x 2', Troffer Mount UVC Air Purifier With 1900 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X2)	7,342.25	
Note: 6,300 cu ft/hour air cleaning				
23 43 33 00-0004	EA	2' x 4', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X4)	8,264.76	
Note: 12,600 cu ft/hour air cleaning				
23 43 33 00-0005	EA	2' x 4', Troffer Mount UVC Air Purifier With 3800 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X4)	9,242.15	
Note: 12,600 cu ft/hour air cleaning				
23 43 33 00-0006	EA	Replace 8"x8" MERV 16, HEPA Filter In Troffer Mount UVC Air Purifier(ELEDLIGHTS UVFILTERM8X8M16)	1,027.65	

23 43 33 00-0007 Surface Mounted, Ultraviolet Germicidal Air Purifier (23 43 33)

23 43 33 00-0008	EA	Surface (Wall Or Ceiling) Mounted, Germicidal UV Active Circulation Air Cleaner (ELEDLIGHTS GUV-AC)	3,580.87	
Note: 1060 cu ft/hour air cleaning				

23 43 33 00-0009 Wall Mounted, Ultraviolet Germicidal Air Purifier (23 43 33)

23 43 33 00-0010	EA	Wall Mounted, Upper Room Germicidal UV Disinfection (ELEDLIGHTS URUVGI-NZ)	1,832.81	
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23 43 33 00-0011 Wall Mounted, Ultraviolet Germicidal Fixture (UV Resources) (23 43 33)

23 43 33 00-0012	EA	14-1/4", 8 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 150 - 41824001)	1,055.91	79.09
23 43 33 00-0013	EA	23-1/4", 25 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 225 - 41824000)	1,111.24	90.76
23 43 33 00-0014	EA	35", 36 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 310 - 41824002)	1,625.47	98.54

23 43 33 00-0015 Wall Mounted, Ultraviolet Germicidal Fixtures And Accessories (Fresh-Aire UV) (23 43 33)

23 43 33 00-0016	EA	32" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUV-232S-TFHO)	725.78	95.62
23 43 33 00-0017	EA	32" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUV-232D-TFHO)	975.89	95.62
23 43 33 00-0018	EA	46" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUV-246S-TFHO)	789.48	101.26
23 43 33 00-0019	EA	46" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUV-246D-TFHO)	1,096.57	101.26
23 43 33 00-0020	EA	60" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUV-260S-TFHO)	860.68	106.97
23 43 33 00-0021	EA	60" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUV-260D-TFHO)	1,411.55	106.97
23 43 33 00-0022	EA	32" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUV-232S-HO)	684.62	95.62
23 43 33 00-0023	EA	32" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUV-232D-HO)	895.68	95.62
23 43 33 00-0024	EA	46" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUV-246S-HO)	732.49	101.26
23 43 33 00-0025	EA	46" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUV-246D-HO)	982.60	101.26
23 43 33 00-0026	EA	60" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUV-260S-HO)	746.71	106.97
23 43 33 00-0027	EA	60" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUV-260D-HO)	1,184.66	106.97
23 43 33 00-0028	EA	5' (1.5m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL5)	32.18	
23 43 33 00-0029	EA	10' (3m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL10)	40.63	
23 43 33 00-0030	EA	5" Stainless Steel Coil Mount Bracket (Fresh-Aire UV TUV-CMBRKT-SS5)	45.68	
23 43 33 00-0031	EA	18" (45cm) Commercial Lamp Shield (Fresh-Aire UV TUV-C-SHIELD-18)	58.80	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 43 33 00-0032	EA	24" (60cm) Commercial Lamp Shield (Fresh-Aire UV TUVCL-SHIELD-24)	66.19	
23 43 33 00-0033	EA	32" (81cm) Commercial Lamp Shield (Fresh-Aire UV TUVCL-SHIELD-32)	74.63	
23 43 33 00-0034	EA	46" (117cm) Commercial Lamp Shield (Fresh-Aire UV TUVCL-SHIELD-46)	78.85	
23 43 33 00-0035	EA	60" (152cm) Commercial Lamp Shield (Fresh-Aire UV TUVCL-SHIELD-60)	82.02	
23 43 33 00-0036	EA	110-277 VAC, Door Interlock Safety Switch Kit (Fresh-Aire UV TUVCL-INTLCK-SP).....	246.65	
23 43 33 00-0037	EA	15" (38cm) Odor Control, UVC/UVV Lamp (Fresh-Aire UV TUVCL-115P-OS-50).....	181.10	63.60
		Note: 1 Year Warranty		
23 43 33 00-0038	EA	18" (45cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-218HO).....	219.74	66.78
		Note: 2 Year Warranty		
23 43 33 00-0039	EA	24" (60cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-224HO).....	235.79	73.90
		Note: 2 Year Warranty		
23 43 33 00-0040	EA	32" (81cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-132)	214.34	78.76
		Note: 1 Year Warranty		
23 43 33 00-0041	EA	32" (81cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232TF).....	261.83	78.76
		Note: 1 Year Warranty		
23 43 33 00-0042	EA	32" (81cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO).....	249.17	78.76
		Note: 1 Year Warranty		
23 43 33 00-0043	EA	32" (81cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO-TF).....	288.21	78.76
		Note: 1 Year Warranty		
23 43 33 00-0044	EA	46" (117cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-146)	250.11	83.95
		Note: 1 Year Warranty		
23 43 33 00-0045	EA	46" (117cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246TF).....	304.99	83.95
		Note: 2 Year Warranty		
23 43 33 00-0046	EA	46" (117cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO).....	277.55	83.95
		Note: 2 Year Warranty		
23 43 33 00-0047	EA	46" (117cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO-TF).....	334.54	83.95
		Note: 2 Year Warranty		
23 43 33 00-0048	EA	60" (152cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-160)	320.87	84.60
		Note: 1 Year Warranty		
23 43 33 00-0049	EA	60" (152cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260TF).....	397.91	84.60
		Note: 2 Year Warranty		
23 43 33 00-0050	EA	60" (152cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO).....	348.31	84.60
		Note: 2 Year Warranty		
23 43 33 00-0051	EA	60" (152cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO-TF).....	462.28	84.60
		Note: 1 Year Warranty		

23 50 Central Heating Equipment ⁽²³⁾

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks ^(23 50)

23 51 13 Draft Control Devices ^(23 51)

23 51 13 13 Draft-Induction Fans ^(23 51 13)

23 51 13 13-0001 Vertical Discharge Fans ^(23 51 13 13)

Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans ^(23 51 13 13-0001)

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,970.23	281.55
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,502.39	307.14
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	5,408.06	339.13
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	7,073.59	393.52

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans ^(23 51 13 13-0001)

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,776.39	307.14
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,829.07	339.13
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	7,574.40	396.72
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	8,973.09	444.71

23 51 13 13-0012 Accessories For Vertical Discharge Fans ^(23 51 13 13-0001)

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor.....	552.71	95.98
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23 51 13 16 Vent Dampers ^(23 51 13)

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade ^(23 51 13 16)

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper	1,100.93	56.82
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper	1,207.69	60.28
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper	1,334.03	63.99
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper	1,425.29	68.24
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper	1,556.52	73.10
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper	1,653.22	78.70
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper	1,828.28	85.34
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper	2,007.77	93.06
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper	2,249.37	97.58
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper	2,417.12	102.38
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper	2,642.03	107.50
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper	3,115.70	170.21
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper	3,418.25	180.77
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper	3,704.97	191.97
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper	3,767.35	198.37
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper	3,885.96	204.76

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper.....	3,992.98	217.56
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper.....	4,167.55	223.81
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper.....	4,348.32	236.61
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper.....	4,555.49	255.95
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper.....	4,786.86	264.74
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper.....	5,001.06	268.75
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper.....	5,246.78	281.55
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper.....	5,493.92	294.34
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper.....	5,741.77	307.14
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper.....	5,988.56	319.94

23 51 13 19 Barometric Dampers (23 51 13)**23 51 13 19-0001 Barometric Dampers (23 51 13 19)**

23 51 13 19-0002	EA	6" x 6" Barometric Damper	509.24	11.10
23 51 13 19-0003	EA	12" x 12" Barometric Damper	736.72	15.26
23 51 13 19-0004	EA	18" x 18" Barometric Damper	987.28	23.58
23 51 13 19-0005	EA	24" x 24" Barometric Damper	1,181.23	44.40
23 51 13 19-0006	EA	6" Diameter Barometric Damper	249.97	11.10
		<i>For Stainless Steel, Add</i>	268.98	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	295.77	12.48
		<i>For Stainless Steel, Add</i>	319.57	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	343.16	13.87
		<i>For Stainless Steel, Add</i>	370.60	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	422.17	13.87
		<i>For Stainless Steel, Add</i>	469.47	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	556.03	16.65
		<i>For Stainless Steel, Add</i>	639.60	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	705.90	18.04
		<i>For Stainless Steel, Add</i>	824.90	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	887.31	19.43
		<i>For Stainless Steel, Add</i>	1,052.05	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	1,058.79	20.81
		<i>For Stainless Steel, Add</i>	1,264.48	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	1,228.22	23.58
		<i>For Stainless Steel, Add</i>	1,476.45	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	1,617.27	24.97
		<i>For Stainless Steel, Add</i>	1,972.58	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	1,924.83	27.75
		<i>For Stainless Steel, Add</i>	2,361.13	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	2,320.61	27.75
		<i>For Stainless Steel, Add</i>	2,869.22	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	2,860.74	31.91
		<i>For Stainless Steel, Add</i>	3,556.63	
23 51 13 19-0019	EA	36" Diameter Barometric Damper	3,648.98	33.30
		<i>For Stainless Steel, Add</i>	4,572.82	

23 51 16 Fabricated Breechings and Accessories (23 51)**23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)****23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)**

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	35.74	11.39
		Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For Aluminum Liner, Add</i>	0.40	
		<i>For 304 Stainless Steel Liner, Add</i>	0.55	
		<i>For 2" Wall Instead Of 1", Add</i>	5.04	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.98	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	38.34	12.03
		Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For Aluminum Liner, Add</i>	0.49	
		<i>For 304 Stainless Steel Liner, Add</i>	0.67	
		<i>For 2" Wall Instead Of 1", Add</i>	5.63	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.91	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	42.31	12.80
		Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For Aluminum Liner, Add</i>	0.59	
		<i>For 304 Stainless Steel Liner, Add</i>	0.80	
		<i>For 2" Wall Instead Of 1", Add</i>	6.36	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.12	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	46.11	13.70
		Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For Aluminum Liner, Add</i>	0.68	
		<i>For 304 Stainless Steel Liner, Add</i>	0.93	
		<i>For 2" Wall Instead Of 1", Add</i>	7.09	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.31	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	54.00	14.59
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
		<i>For Aluminum Liner, Add</i>	1.00	
		<i>For 304 Stainless Steel Liner, Add</i>	1.37	
		<i>For 2" Wall Instead Of 1", Add</i>	9.05	
		<i>For 3" To 4" Wall Instead Of 1", Add</i>	15.36	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	60.02	15.74	
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	1.12		
		For 304 Stainless Steel Liner, Add	1.52		
		For 2" Wall Instead Of 1", Add	10.06		
		For 3" To 4" Wall Instead Of 1", Add	17.08		
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	85.82	16.90	
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	2.36		
		For 304 Stainless Steel Liner, Add	3.21		
		For 2" Wall Instead Of 1", Add	17.15		
		For 3" To 4" Wall Instead Of 1", Add	27.88		
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	104.08	18.69	
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	3.16		
		For 304 Stainless Steel Liner, Add	4.31		
		For 2" Wall Instead Of 1", Add	21.91		
		For 3" To 4" Wall Instead Of 1", Add	35.19		
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	145.32	19.45	
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	5.31		
		For 304 Stainless Steel Liner, Add	7.24		
		For 2" Wall Instead Of 1", Add	33.84		
		For 3" To 4" Wall Instead Of 1", Add	53.20		
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	181.15	20.48	
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	7.16		
		For 304 Stainless Steel Liner, Add	9.76		
		For 2" Wall Instead Of 1", Add	44.15		
		For 3" To 4" Wall Instead Of 1", Add	68.78		
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	222.48	21.50	
		Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	9.25		
		For 304 Stainless Steel Liner, Add	12.61		
		For 2" Wall Instead Of 1", Add	55.88		
		For 3" To 4" Wall Instead Of 1", Add	86.54		
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	283.94	34.16	
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	10.98		
		For 304 Stainless Steel Liner, Add	14.97		
		For 2" Wall Instead Of 1", Add	68.32		
		For 3" To 4" Wall Instead Of 1", Add	106.70		
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	342.78	36.09	
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	13.84		
		For 304 Stainless Steel Liner, Add	18.88		
		For 2" Wall Instead Of 1", Add	84.62		
		For 3" To 4" Wall Instead Of 1", Add	131.48		
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	407.05	38.39	
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	17.07		
		For 304 Stainless Steel Liner, Add	23.27		
		For 2" Wall Instead Of 1", Add	102.76		
		For 3" To 4" Wall Instead Of 1", Add	158.98		
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	472.27	39.67	
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	20.53		
		For 304 Stainless Steel Liner, Add	27.99		
		For 2" Wall Instead Of 1", Add	121.87		
		For 3" To 4" Wall Instead Of 1", Add	187.76		
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	495.09	40.95	
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	21.60		
		For 304 Stainless Steel Liner, Add	29.46		
		For 2" Wall Instead Of 1", Add	128.06		
		For 3" To 4" Wall Instead Of 1", Add	197.21		
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	526.19	43.90	
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	22.91		
		For 304 Stainless Steel Liner, Add	31.25		
		For 2" Wall Instead Of 1", Add	135.94		
		For 3" To 4" Wall Instead Of 1", Add	209.39		
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	595.36	45.56	
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	26.49		
		For 304 Stainless Steel Liner, Add	36.13		
		For 2" Wall Instead Of 1", Add	155.88		
		For 3" To 4" Wall Instead Of 1", Add	239.50		
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	666.99	47.23	
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	30.19		
		For 304 Stainless Steel Liner, Add	41.17		
		For 2" Wall Instead Of 1", Add	176.50		
		For 3" To 4" Wall Instead Of 1", Add	270.64		
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	702.08	49.14	
		Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness			
		For Aluminum Liner, Add	31.86		
		For 304 Stainless Steel Liner, Add	43.45		
		For 2" Wall Instead Of 1", Add	186.08		
		For 3" To 4" Wall Instead Of 1", Add	285.26		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	761.42	51.19
		For Aluminum Liner, Add	34.85	
		For 304 Stainless Steel Liner, Add	47.52	
		For 2" Wall Instead Of 1", Add	202.86	
		For 3" To 4" Wall Instead Of 1", Add	310.68	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	838.69	53.37
		For Aluminum Liner, Add	38.79	
		For 304 Stainless Steel Liner, Add	52.89	
		For 2" Wall Instead Of 1", Add	224.91	
		For 3" To 4" Wall Instead Of 1", Add	344.04	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	877.41	55.80
		For Aluminum Liner, Add	40.58	
		For 304 Stainless Steel Liner, Add	55.33	
		For 2" Wall Instead Of 1", Add	235.29	
		For 3" To 4" Wall Instead Of 1", Add	359.92	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	970.84	58.49
		For Aluminum Liner, Add	45.35	
		For 304 Stainless Steel Liner, Add	61.84	
		For 2" Wall Instead Of 1", Add	261.99	
		For 3" To 4" Wall Instead Of 1", Add	400.31	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	1,054.09	61.43
		For Aluminum Liner, Add	49.53	
		For 304 Stainless Steel Liner, Add	67.54	
		For 2" Wall Instead Of 1", Add	285.51	
		For 3" To 4" Wall Instead Of 1", Add	435.94	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	1,159.48	64.63
		For Aluminum Liner, Add	54.90	
		For 304 Stainless Steel Liner, Add	74.86	
		For 2" Wall Instead Of 1", Add	315.58	
		For 3" To 4" Wall Instead Of 1", Add	481.43	

23 51 16 00-0029 90 Degree Elbows (23 51 16 00-0001)

23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	90.03	22.78
		For Aluminum Liner, Add	1.85	
		For 304 Stainless Steel Liner, Add	2.52	
		For 2" Wall Instead Of 1", Add	15.73	
		For 3" To 4" Wall Instead Of 1", Add	26.41	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	99.69	24.06
		For Aluminum Liner, Add	2.18	
		For 304 Stainless Steel Liner, Add	2.98	
		For 2" Wall Instead Of 1", Add	17.91	
		For 3" To 4" Wall Instead Of 1", Add	29.86	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	111.07	25.59
		For Aluminum Liner, Add	2.61	
		For 304 Stainless Steel Liner, Add	3.55	
		For 2" Wall Instead Of 1", Add	20.58	
		For 3" To 4" Wall Instead Of 1", Add	34.06	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	122.76	27.26
		For Aluminum Liner, Add	3.03	
		For 304 Stainless Steel Liner, Add	4.13	
		For 2" Wall Instead Of 1", Add	23.29	
		For 3" To 4" Wall Instead Of 1", Add	38.32	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	146.18	29.18
		For Aluminum Liner, Add	4.05	
		For 304 Stainless Steel Liner, Add	5.52	
		For 2" Wall Instead Of 1", Add	29.35	
		For 3" To 4" Wall Instead Of 1", Add	47.65	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	170.92	31.48
		For Aluminum Liner, Add	5.07	
		For 304 Stainless Steel Liner, Add	6.92	
		For 2" Wall Instead Of 1", Add	35.54	
		For 3" To 4" Wall Instead Of 1", Add	57.24	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	297.68	34.16
		For Aluminum Liner, Add	11.67	
		For 304 Stainless Steel Liner, Add	15.91	
		For 2" Wall Instead Of 1", Add	72.19	
		For 3" To 4" Wall Instead Of 1", Add	112.56	
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	360.47	37.24
		For Aluminum Liner, Add	14.71	
		For 304 Stainless Steel Liner, Add	20.06	
		For 2" Wall Instead Of 1", Add	89.54	
		For 3" To 4" Wall Instead Of 1", Add	138.95	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	467.31	39.04
		For Aluminum Liner, Add	20.34	
		For 304 Stainless Steel Liner, Add	27.74	
		For 2" Wall Instead Of 1", Add	120.69	
		For 3" To 4" Wall Instead Of 1", Add	185.91	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	574.35	40.95
		For Aluminum Liner, Add	25.97	
		For 304 Stainless Steel Liner, Add	35.41	
		For 2" Wall Instead Of 1", Add	151.87	
		For 3" To 4" Wall Instead Of 1", Add	232.91	
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	742.34	43.13
		For Aluminum Liner, Add	34.90	
		For 304 Stainless Steel Liner, Add	47.59	
		For 2" Wall Instead Of 1", Add	201.13	
		For 3" To 4" Wall Instead Of 1", Add	307.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0041	EA		20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,046.81	68.21
			For Aluminum Liner, Add	48.18	
			For 304 Stainless Steel Liner, Add	65.71	
			For 2" Wall Instead Of 1", Add	279.90	
			For 3" To 4" Wall Instead Of 1", Add	428.38	
23 51 16 00-0042	EA		22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,379.62	72.30
			For Aluminum Liner, Add	65.94	
			For 304 Stainless Steel Liner, Add	89.91	
			For 2" Wall Instead Of 1", Add	377.73	
			For 3" To 4" Wall Instead Of 1", Add	575.64	
23 51 16 00-0043	EA		24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,557.01	76.78
			For Aluminum Liner, Add	75.07	
			For 304 Stainless Steel Liner, Add	102.36	
			For 2" Wall Instead Of 1", Add	428.67	
			For 3" To 4" Wall Instead Of 1", Add	652.61	
23 51 16 00-0044 45 Degree Elbows (23 51 16 00-0001)					
23 51 16 00-0045	EA		3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	76.19	22.78
			For Aluminum Liner, Add	1.07	
			For 304 Stainless Steel Liner, Add	1.45	
			For 2" Wall Instead Of 1", Add	11.49	
			For 3" To 4" Wall Instead Of 1", Add	20.08	
23 51 16 00-0046	EA		4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	83.10	24.06
			For Aluminum Liner, Add	1.26	
			For 304 Stainless Steel Liner, Add	1.71	
			For 2" Wall Instead Of 1", Add	12.87	
			For 3" To 4" Wall Instead Of 1", Add	22.33	
23 51 16 00-0047	EA		5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	90.86	25.59
			For Aluminum Liner, Add	1.48	
			For 304 Stainless Steel Liner, Add	2.01	
			For 2" Wall Instead Of 1", Add	14.46	
			For 3" To 4" Wall Instead Of 1", Add	24.89	
23 51 16 00-0048	EA		6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	100.39	27.26
			For Aluminum Liner, Add	1.77	
			For 304 Stainless Steel Liner, Add	2.41	
			For 2" Wall Instead Of 1", Add	16.47	
			For 3" To 4" Wall Instead Of 1", Add	28.12	
23 51 16 00-0049	EA		7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	119.21	29.18
			For Aluminum Liner, Add	2.54	
			For 304 Stainless Steel Liner, Add	3.46	
			For 2" Wall Instead Of 1", Add	21.14	
			For 3" To 4" Wall Instead Of 1", Add	35.37	
23 51 16 00-0050	EA		8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	131.73	31.48
			For Aluminum Liner, Add	2.92	
			For 304 Stainless Steel Liner, Add	3.98	
			For 2" Wall Instead Of 1", Add	23.78	
			For 3" To 4" Wall Instead Of 1", Add	39.60	
23 51 16 00-0051	EA		10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	217.91	34.16
			For Aluminum Liner, Add	7.29	
			For 304 Stainless Steel Liner, Add	9.94	
			For 2" Wall Instead Of 1", Add	48.31	
			For 3" To 4" Wall Instead Of 1", Add	76.72	
23 51 16 00-0052	EA		12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	260.20	37.24
			For Aluminum Liner, Add	9.19	
			For 304 Stainless Steel Liner, Add	12.54	
			For 2" Wall Instead Of 1", Add	59.45	
			For 3" To 4" Wall Instead Of 1", Add	93.83	
23 51 16 00-0053	EA		14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	332.70	39.04
			For Aluminum Liner, Add	12.93	
			For 304 Stainless Steel Liner, Add	17.64	
			For 2" Wall Instead Of 1", Add	80.30	
			For 3" To 4" Wall Instead Of 1", Add	125.33	
23 51 16 00-0054	EA		16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	397.44	40.95
			For Aluminum Liner, Add	16.23	
			For 304 Stainless Steel Liner, Add	22.13	
			For 2" Wall Instead Of 1", Add	98.76	
			For 3" To 4" Wall Instead Of 1", Add	153.26	
23 51 16 00-0055	EA		18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	504.31	43.13
			For Aluminum Liner, Add	21.81	
			For 304 Stainless Steel Liner, Add	29.74	
			For 2" Wall Instead Of 1", Add	129.74	
			For 3" To 4" Wall Instead Of 1", Add	200.00	
23 51 16 00-0056	EA		20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	617.45	68.09
			For Aluminum Liner, Add	24.60	
			For 304 Stainless Steel Liner, Add	33.55	
			For 2" Wall Instead Of 1", Add	151.20	
			For 3" To 4" Wall Instead Of 1", Add	235.31	
23 51 16 00-0057	EA		22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	853.96	72.30
			For Aluminum Liner, Add	37.03	
			For 304 Stainless Steel Liner, Add	50.49	
			For 2" Wall Instead Of 1", Add	220.04	
			For 3" To 4" Wall Instead Of 1", Add	339.09	
23 51 16 00-0058	EA		24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,044.87	76.78
			For Aluminum Liner, Add	46.92	
			For 304 Stainless Steel Liner, Add	63.98	
			For 2" Wall Instead Of 1", Add	275.09	
			For 3" To 4" Wall Instead Of 1", Add	422.23	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,881.25	79.35
		For Aluminum Liner, Add	92.57	
		For 304 Stainless Steel Liner, Add	126.23	
		For 2" Wall Instead Of 1", Add	524.73	
		For 3" To 4" Wall Instead Of 1", Add	797.00	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,933.75	81.90
		For Aluminum Liner, Add	95.10	
		For 304 Stainless Steel Liner, Add	129.68	
		For 2" Wall Instead Of 1", Add	539.20	
		For 3" To 4" Wall Instead Of 1", Add	819.03	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,038.77	87.03
		For Aluminum Liner, Add	100.17	
		For 304 Stainless Steel Liner, Add	136.60	
		For 2" Wall Instead Of 1", Add	568.15	
		For 3" To 4" Wall Instead Of 1", Add	863.09	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,275.70	89.58
		For Aluminum Liner, Add	112.85	
		For 304 Stainless Steel Liner, Add	153.89	
		For 2" Wall Instead Of 1", Add	637.95	
		For 3" To 4" Wall Instead Of 1", Add	968.11	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,484.47	94.70
		For Aluminum Liner, Add	123.63	
		For 304 Stainless Steel Liner, Add	168.59	
		For 2" Wall Instead Of 1", Add	698.02	
		For 3" To 4" Wall Instead Of 1", Add	1,058.86	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,561.29	102.38
		For Aluminum Liner, Add	126.80	
		For 304 Stainless Steel Liner, Add	172.91	
		For 2" Wall Instead Of 1", Add	717.23	
		For 3" To 4" Wall Instead Of 1", Add	1,088.63	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,743.15	105.97
		For Aluminum Liner, Add	136.31	
		For 304 Stainless Steel Liner, Add	185.88	
		For 2" Wall Instead Of 1", Add	770.00	
		For 3" To 4" Wall Instead Of 1", Add	1,168.23	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,919.91	107.50
		For Aluminum Liner, Add	145.82	
		For 304 Stainless Steel Liner, Add	198.85	
		For 2" Wall Instead Of 1", Add	822.26	
		For 3" To 4" Wall Instead Of 1", Add	1,246.81	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	3,047.97	112.62
		For Aluminum Liner, Add	152.16	
		For 304 Stainless Steel Liner, Add	207.50	
		For 2" Wall Instead Of 1", Add	858.12	
		For 3" To 4" Wall Instead Of 1", Add	1,301.24	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	3,233.65	117.74
		For Aluminum Liner, Add	161.67	
		For 304 Stainless Steel Liner, Add	220.46	
		For 2" Wall Instead Of 1", Add	911.27	
		For 3" To 4" Wall Instead Of 1", Add	1,381.61	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	3,476.99	122.85
		For Aluminum Liner, Add	174.35	
		For 304 Stainless Steel Liner, Add	237.75	
		For 2" Wall Instead Of 1", Add	981.71	
		For 3" To 4" Wall Instead Of 1", Add	1,487.91	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	3,605.05	127.97
		For Aluminum Liner, Add	180.69	
		For 304 Stainless Steel Liner, Add	246.40	
		For 2" Wall Instead Of 1", Add	1,017.57	
		For 3" To 4" Wall Instead Of 1", Add	1,542.34	

23 51 16 00-0071 Tees (23 51 16 00-0001)

23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	123.20	30.33
		For Aluminum Liner, Add	2.60	
		For 304 Stainless Steel Liner, Add	3.54	
		For 2" Wall Instead Of 1", Add	21.77	
		For 3" To 4" Wall Instead Of 1", Add	36.46	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	128.27	31.48
		For Aluminum Liner, Add	2.73	
		For 304 Stainless Steel Liner, Add	3.72	
		For 2" Wall Instead Of 1", Add	22.74	
		For 3" To 4" Wall Instead Of 1", Add	38.05	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	133.77	32.77
		For Aluminum Liner, Add	2.85	
		For 304 Stainless Steel Liner, Add	3.89	
		For 2" Wall Instead Of 1", Add	23.75	
		For 3" To 4" Wall Instead Of 1", Add	39.72	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	143.01	34.16
		For Aluminum Liner, Add	3.17	
		For 304 Stainless Steel Liner, Add	4.32	
		For 2" Wall Instead Of 1", Add	25.83	
		For 3" To 4" Wall Instead Of 1", Add	43.01	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	168.61	35.57
		For Aluminum Liner, Add	4.37	
		For 304 Stainless Steel Liner, Add	5.97	
		For 2" Wall Instead Of 1", Add	32.77	
		For 3" To 4" Wall Instead Of 1", Add	53.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0077	EA		8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	180.64	37.24
			For Aluminum Liner, Add	4.82	
			For 304 Stainless Steel Liner, Add	6.57	
			For 2" Wall Instead Of 1", Add	35.59	
			For 3" To 4" Wall Instead Of 1", Add	58.03	
23 51 16 00-0078	EA		10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	334.98	39.04
			For Aluminum Liner, Add	13.06	
			For 304 Stainless Steel Liner, Add	17.81	
			For 2" Wall Instead Of 1", Add	80.99	
			For 3" To 4" Wall Instead Of 1", Add	126.36	
23 51 16 00-0079	EA		12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	388.22	40.95
			For Aluminum Liner, Add	15.72	
			For 304 Stainless Steel Liner, Add	21.44	
			For 2" Wall Instead Of 1", Add	96.00	
			For 3" To 4" Wall Instead Of 1", Add	149.11	
23 51 16 00-0080	EA		14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	579.44	45.56
			For Aluminum Liner, Add	25.61	
			For 304 Stainless Steel Liner, Add	34.93	
			For 2" Wall Instead Of 1", Add	151.09	
			For 3" To 4" Wall Instead Of 1", Add	232.32	
23 51 16 00-0081	EA		16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	787.29	51.19
			For Aluminum Liner, Add	36.27	
			For 304 Stainless Steel Liner, Add	49.45	
			For 2" Wall Instead Of 1", Add	210.60	
			For 3" To 4" Wall Instead Of 1", Add	322.30	
23 51 16 00-0082	EA		18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	976.21	58.49
			For Aluminum Liner, Add	45.65	
			For 304 Stainless Steel Liner, Add	62.25	
			For 2" Wall Instead Of 1", Add	263.62	
			For 3" To 4" Wall Instead Of 1", Add	402.74	
23 51 16 00-0083	EA		20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,298.72	72.30
			For Aluminum Liner, Add	61.50	
			For 304 Stainless Steel Liner, Add	83.86	
			For 2" Wall Instead Of 1", Add	353.51	
			For 3" To 4" Wall Instead Of 1", Add	539.29	
23 51 16 00-0084	EA		22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,630.94	94.44
			For Aluminum Liner, Add	76.72	
			For 304 Stainless Steel Liner, Add	104.61	
			For 2" Wall Instead Of 1", Add	442.06	
			For 3" To 4" Wall Instead Of 1", Add	674.90	
23 51 16 00-0085	EA		24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,874.93	99.82
			For Aluminum Liner, Add	89.40	
			For 304 Stainless Steel Liner, Add	121.90	
			For 2" Wall Instead Of 1", Add	512.57	
			For 3" To 4" Wall Instead Of 1", Add	781.33	
23 51 16 00-0086	EA		26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,574.36	107.50
			For Aluminum Liner, Add	126.80	
			For 304 Stainless Steel Liner, Add	172.91	
			For 2" Wall Instead Of 1", Add	718.54	
			For 3" To 4" Wall Instead Of 1", Add	1,091.25	
23 51 16 00-0087	EA		28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,872.85	111.72
			For Aluminum Liner, Add	142.65	
			For 304 Stainless Steel Liner, Add	194.53	
			For 2" Wall Instead Of 1", Add	806.02	
			For 3" To 4" Wall Instead Of 1", Add	1,222.99	
23 51 16 00-0088	EA		30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,118.56	117.74
			For Aluminum Liner, Add	155.33	
			For 304 Stainless Steel Liner, Add	211.82	
			For 2" Wall Instead Of 1", Add	876.70	
			For 3" To 4" Wall Instead Of 1", Add	1,329.77	
23 51 16 00-0089	EA		32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,592.37	122.85
			For Aluminum Liner, Add	180.69	
			For 304 Stainless Steel Liner, Add	246.40	
			For 2" Wall Instead Of 1", Add	1,016.30	
			For 3" To 4" Wall Instead Of 1", Add	1,539.81	
23 51 16 00-0090	EA		34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,662.91	127.97
			For Aluminum Liner, Add	183.86	
			For 304 Stainless Steel Liner, Add	250.72	
			For 2" Wall Instead Of 1", Add	1,034.89	
			For 3" To 4" Wall Instead Of 1", Add	1,568.32	
23 51 16 00-0091	EA		36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,260.78	136.55
			For Aluminum Liner, Add	215.56	
			For 304 Stainless Steel Liner, Add	293.95	
			For 2" Wall Instead Of 1", Add	1,209.95	
			For 3" To 4" Wall Instead Of 1", Add	1,831.99	
23 51 16 00-0092	EA		38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,361.06	153.57
			For Aluminum Liner, Add	218.73	
			For 304 Stainless Steel Liner, Add	298.27	
			For 2" Wall Instead Of 1", Add	1,231.50	
			For 3" To 4" Wall Instead Of 1", Add	1,866.46	
23 51 16 00-0093	EA		40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,761.67	175.58
			For Aluminum Liner, Add	237.75	
			For 304 Stainless Steel Liner, Add	324.21	
			For 2" Wall Instead Of 1", Add	1,340.73	
			For 3" To 4" Wall Instead Of 1", Add	2,033.03	
23 51 16 00-0094	EA		42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,238.17	204.76
			For Aluminum Liner, Add	259.94	
			For 304 Stainless Steel Liner, Add	354.47	
			For 2" Wall Instead Of 1", Add	1,469.07	
			For 3" To 4" Wall Instead Of 1", Add	2,229.20	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,705.15	230.36
		For Aluminum Liner, Add	282.14	
		For 304 Stainless Steel Liner, Add	384.73	
		For 2" Wall Instead Of 1", Add	1,596.46	
		For 3" To 4" Wall Instead Of 1", Add	2,423.46	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	6,243.14	238.04
		For Aluminum Liner, Add	310.67	
		For 304 Stainless Steel Liner, Add	423.63	
		For 2" Wall Instead Of 1", Add	1,754.01	
		For 3" To 4" Wall Instead Of 1", Add	2,660.74	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	6,608.38	245.71
		For Aluminum Liner, Add	329.69	
		For 304 Stainless Steel Liner, Add	449.57	
		For 2" Wall Instead Of 1", Add	1,859.70	
		For 3" To 4" Wall Instead Of 1", Add	2,820.25	

23 51 16 00-0098 Vent Top Caps (23 51 16 00-0001)

23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	62.39	17.79
		For Aluminum Liner, Add	0.98	
		For 304 Stainless Steel Liner, Add	1.34	
		For 2" Wall Instead Of 1", Add	9.81	
		For 3" To 4" Wall Instead Of 1", Add	16.95	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	65.36	18.69
		For Aluminum Liner, Add	1.03	
		For 304 Stainless Steel Liner, Add	1.41	
		For 2" Wall Instead Of 1", Add	10.29	
		For 3" To 4" Wall Instead Of 1", Add	17.77	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	83.81	20.48
		For Aluminum Liner, Add	1.79	
		For 304 Stainless Steel Liner, Add	2.45	
		For 2" Wall Instead Of 1", Add	14.91	
		For 3" To 4" Wall Instead Of 1", Add	24.92	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	89.44	22.78
		For Aluminum Liner, Add	1.79	
		For 304 Stainless Steel Liner, Add	2.45	
		For 2" Wall Instead Of 1", Add	15.47	
		For 3" To 4" Wall Instead Of 1", Add	26.04	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	108.22	24.06
		For Aluminum Liner, Add	2.64	
		For 304 Stainless Steel Liner, Add	3.61	
		For 2" Wall Instead Of 1", Add	20.44	
		For 3" To 4" Wall Instead Of 1", Add	33.66	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	127.39	25.59
		For Aluminum Liner, Add	3.49	
		For 304 Stainless Steel Liner, Add	4.76	
		For 2" Wall Instead Of 1", Add	25.42	
		For 3" To 4" Wall Instead Of 1", Add	41.33	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	295.56	29.18
		For Aluminum Liner, Add	12.24	
		For 304 Stainless Steel Liner, Add	16.69	
		For 2" Wall Instead Of 1", Add	74.05	
		For 3" To 4" Wall Instead Of 1", Add	114.73	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	547.87	36.60
		For Aluminum Liner, Add	25.11	
		For 304 Stainless Steel Liner, Add	34.24	
		For 2" Wall Instead Of 1", Add	146.09	
		For 3" To 4" Wall Instead Of 1", Add	223.70	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,008.82	43.90
		For Aluminum Liner, Add	49.45	
		For 304 Stainless Steel Liner, Add	67.44	
		For 2" Wall Instead Of 1", Add	280.71	
		For 3" To 4" Wall Instead Of 1", Add	426.55	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,675.22	61.43
		For Aluminum Liner, Add	83.69	
		For 304 Stainless Steel Liner, Add	114.12	
		For 2" Wall Instead Of 1", Add	471.85	
		For 3" To 4" Wall Instead Of 1", Add	715.45	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,467.08	64.63
		For Aluminum Liner, Add	126.80	
		For 304 Stainless Steel Liner, Add	172.91	
		For 2" Wall Instead Of 1", Add	707.81	
		For 3" To 4" Wall Instead Of 1", Add	1,069.79	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	2,764.31	68.21
		For Aluminum Liner, Add	142.65	
		For 304 Stainless Steel Liner, Add	194.53	
		For 2" Wall Instead Of 1", Add	795.17	
		For 3" To 4" Wall Instead Of 1", Add	1,201.28	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	3,120.27	72.30
		For Aluminum Liner, Add	161.67	
		For 304 Stainless Steel Liner, Add	220.46	
		For 2" Wall Instead Of 1", Add	899.93	
		For 3" To 4" Wall Instead Of 1", Add	1,358.93	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	3,304.46	76.78
		For Aluminum Liner, Add	171.18	
		For 304 Stainless Steel Liner, Add	233.43	
		For 2" Wall Instead Of 1", Add	952.93	
		For 3" To 4" Wall Instead Of 1", Add	1,439.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0113	EA		34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,490.16	81.90
			For Aluminum Liner, Add	180.69	
			For 304 Stainless Steel Liner, Add	246.40	
			For 2" Wall Instead Of 1", Add	1,006.08	
			For 3" To 4" Wall Instead Of 1", Add	1,519.36	
23 51 16 00-0114	EA		36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,735.17	87.79
			For Aluminum Liner, Add	193.37	
			For 304 Stainless Steel Liner, Add	263.69	
			For 2" Wall Instead Of 1", Add	1,076.69	
			For 3" To 4" Wall Instead Of 1", Add	1,626.00	
23 51 16 00-0115 Wall Thimbles (23 51 16 00-0001)					
23 51 16 00-0116	EA		3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	25.97	9.60
			For Aluminum Liner, Add	0.11	
			For 304 Stainless Steel Liner, Add	0.15	
			For 2" Wall Instead Of 1", Add	3.01	
			For 3" To 4" Wall Instead Of 1", Add	5.71	
23 51 16 00-0117	EA		4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	32.94	12.29
			For Aluminum Liner, Add	0.12	
			For 304 Stainless Steel Liner, Add	0.16	
			For 2" Wall Instead Of 1", Add	3.72	
			For 3" To 4" Wall Instead Of 1", Add	7.12	
23 51 16 00-0118	EA		5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	43.86	16.51
			For Aluminum Liner, Add	0.14	
			For 304 Stainless Steel Liner, Add	0.19	
			For 2" Wall Instead Of 1", Add	4.90	
			For 3" To 4" Wall Instead Of 1", Add	9.42	
23 51 16 00-0119	EA		7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	54.86	20.48
			For Aluminum Liner, Add	0.20	
			For 304 Stainless Steel Liner, Add	0.28	
			For 2" Wall Instead Of 1", Add	6.22	
			For 3" To 4" Wall Instead Of 1", Add	11.89	
23 51 16 00-0120	EA		10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	78.54	27.64
			For Aluminum Liner, Add	0.52	
			For 304 Stainless Steel Liner, Add	0.71	
			For 2" Wall Instead Of 1", Add	9.74	
			For 3" To 4" Wall Instead Of 1", Add	18.07	
23 51 16 00-0121	EA		12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	99.12	34.30
			For Aluminum Liner, Add	0.74	
			For 304 Stainless Steel Liner, Add	1.00	
			For 2" Wall Instead Of 1", Add	12.59	
			For 3" To 4" Wall Instead Of 1", Add	23.17	
23 51 16 00-0122	EA		14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	125.05	40.95
			For Aluminum Liner, Add	1.25	
			For 304 Stainless Steel Liner, Add	1.70	
			For 2" Wall Instead Of 1", Add	17.04	
			For 3" To 4" Wall Instead Of 1", Add	30.68	
23 51 16 00-0123	EA		18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	162.14	48.63
			For Aluminum Liner, Add	2.23	
			For 304 Stainless Steel Liner, Add	3.04	
			For 2" Wall Instead Of 1", Add	24.33	
			For 3" To 4" Wall Instead Of 1", Add	42.57	
23 51 16 00-0124	EA		22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	215.93	53.75
			For Aluminum Liner, Add	4.49	
			For 304 Stainless Steel Liner, Add	6.12	
			For 2" Wall Instead Of 1", Add	37.91	
			For 3" To 4" Wall Instead Of 1", Add	63.58	
23 51 16 00-0125 Adjustable Roof Flashing (23 51 16 00-0001)					
23 51 16 00-0126	EA		3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	70.09	22.78
			For Aluminum Liner, Add	0.73	
			For 304 Stainless Steel Liner, Add	0.99	
			For 2" Wall Instead Of 1", Add	9.66	
			For 3" To 4" Wall Instead Of 1", Add	17.33	
23 51 16 00-0127	EA		4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	77.32	24.06
			For Aluminum Liner, Add	0.94	
			For 304 Stainless Steel Liner, Add	1.28	
			For 2" Wall Instead Of 1", Add	11.14	
			For 3" To 4" Wall Instead Of 1", Add	19.73	
23 51 16 00-0128	EA		6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	96.79	27.26
			For Aluminum Liner, Add	1.57	
			For 304 Stainless Steel Liner, Add	2.14	
			For 2" Wall Instead Of 1", Add	15.40	
			For 3" To 4" Wall Instead Of 1", Add	26.51	
23 51 16 00-0129	EA		8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	117.78	31.48
			For Aluminum Liner, Add	2.15	
			For 304 Stainless Steel Liner, Add	2.93	
			For 2" Wall Instead Of 1", Add	19.59	
			For 3" To 4" Wall Instead Of 1", Add	33.33	
23 51 16 00-0130	EA		10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	192.58	34.16
			For Aluminum Liner, Add	5.90	
			For 304 Stainless Steel Liner, Add	8.04	
			For 2" Wall Instead Of 1", Add	40.70	
			For 3" To 4" Wall Instead Of 1", Add	65.32	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	229.05	37.24
		For Aluminum Liner, Add	7.48	
		For 304 Stainless Steel Liner, Add	10.20	
		For 2" Wall Instead Of 1", Add	50.11	
		For 3" To 4" Wall Instead Of 1", Add	79.82	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	269.53	40.95
		For Aluminum Liner, Add	9.19	
		For 304 Stainless Steel Liner, Add	12.54	
		For 2" Wall Instead Of 1", Add	60.38	
		For 3" To 4" Wall Instead Of 1", Add	95.69	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	321.39	45.56
		For Aluminum Liner, Add	11.41	
		For 304 Stainless Steel Liner, Add	15.56	
		For 2" Wall Instead Of 1", Add	73.64	
		For 3" To 4" Wall Instead Of 1", Add	116.15	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	485.37	51.19
		For Aluminum Liner, Add	19.65	
		For 304 Stainless Steel Liner, Add	26.80	
		For 2" Wall Instead Of 1", Add	120.01	
		For 3" To 4" Wall Instead Of 1", Add	186.41	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	534.90	68.21
		For Aluminum Liner, Add	20.03	
		For 304 Stainless Steel Liner, Add	27.32	
		For 2" Wall Instead Of 1", Add	126.34	
		For 3" To 4" Wall Instead Of 1", Add	198.05	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	680.54	87.79
		For Aluminum Liner, Add	25.36	
		For 304 Stainless Steel Liner, Add	34.58	
		For 2" Wall Instead Of 1", Add	160.27	
		For 3" To 4" Wall Instead Of 1", Add	251.38	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	809.27	102.38
		For Aluminum Liner, Add	30.43	
		For 304 Stainless Steel Liner, Add	41.50	
		For 2" Wall Instead Of 1", Add	191.59	
		For 3" To 4" Wall Instead Of 1", Add	300.18	

23 51 16 00-0138 Galvanized Storm Collars (23 51 16 00-0001)

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	27.75	9.60
		For Aluminum Liner, Add	0.21	
		For 304 Stainless Steel Liner, Add	0.29	
		For 2" Wall Instead Of 1", Add	3.54	
		For 3" To 4" Wall Instead Of 1", Add	6.51	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	35.10	12.29
		For Aluminum Liner, Add	0.24	
		For 304 Stainless Steel Liner, Add	0.33	
		For 2" Wall Instead Of 1", Add	4.39	
		For 3" To 4" Wall Instead Of 1", Add	8.12	
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	41.30	14.33
		For Aluminum Liner, Add	0.30	
		For 304 Stainless Steel Liner, Add	0.41	
		For 2" Wall Instead Of 1", Add	5.22	
		For 3" To 4" Wall Instead Of 1", Add	9.63	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	47.52	16.38
		For Aluminum Liner, Add	0.36	
		For 304 Stainless Steel Liner, Add	0.49	
		For 2" Wall Instead Of 1", Add	6.06	
		For 3" To 4" Wall Instead Of 1", Add	11.14	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	59.92	20.48
		For Aluminum Liner, Add	0.48	
		For 304 Stainless Steel Liner, Add	0.65	
		For 2" Wall Instead Of 1", Add	7.74	
		For 3" To 4" Wall Instead Of 1", Add	14.17	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	82.79	27.64
		For Aluminum Liner, Add	0.75	
		For 304 Stainless Steel Liner, Add	1.03	
		For 2" Wall Instead Of 1", Add	11.02	
		For 3" To 4" Wall Instead Of 1", Add	19.98	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	102.19	34.30
		For Aluminum Liner, Add	0.90	
		For 304 Stainless Steel Liner, Add	1.23	
		For 2" Wall Instead Of 1", Add	13.51	
		For 3" To 4" Wall Instead Of 1", Add	24.55	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	130.27	40.95
		For Aluminum Liner, Add	1.53	
		For 304 Stainless Steel Liner, Add	2.09	
		For 2" Wall Instead Of 1", Add	18.61	
		For 3" To 4" Wall Instead Of 1", Add	33.03	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	172.07	48.63
		For Aluminum Liner, Add	2.78	
		For 304 Stainless Steel Liner, Add	3.79	
		For 2" Wall Instead Of 1", Add	27.31	
		For 3" To 4" Wall Instead Of 1", Add	47.04	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	240.78	53.75
		For Aluminum Liner, Add	5.85	
		For 304 Stainless Steel Liner, Add	7.98	
		For 2" Wall Instead Of 1", Add	45.36	
		For 3" To 4" Wall Instead Of 1", Add	74.76	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0149		Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0150		Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)		
23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	46.61 7.97 13.45	12.03
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	51.38 9.06 15.18	12.80
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	56.91 10.24 17.07	13.70
23 51 16 00-0154		45 Degree Elbows (23 51 16 00-0149)		
23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	102.02 18.12 30.30	24.96
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	119.06 21.13 35.34	29.18
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	141.69 25.99 43.12	33.02
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	104.00 18.72 31.20	24.96
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	123.87 22.57 37.50	29.18
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	144.80 26.93 44.52	33.02
23 51 16 00-0161		Tees (23 51 16 00-0149)		
23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	170.33 32.14 52.95	37.88
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	173.44 33.07 54.35	37.88
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	199.30 38.03 62.49	43.51
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	227.97 44.01 72.11	48.76
23 51 16 00-0166		Tops/Caps And Adjustable Flashing (23 51 16 00-0149)		
23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	65.06 13.35 21.57	12.29
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	101.39 22.16 35.31	16.51
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	52.89 9.70 16.09	12.29
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	89.94 18.73 30.15	16.51
23 51 16 00-0171		Storm Collars (23 51 16 00-0149)		
23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	35.10 4.39 8.12	12.29
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	41.30 5.22 9.63	14.33
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall For 2" Wall Instead Of 1", Add For 3" To 4" Wall Instead Of 1", Add	47.52 6.06 11.14	16.38
23 51 16 00-0175		Round Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0176		Round Double Wall Flue/Vent Pipe (23 51 16 00-0175) Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket For 316 Stainless Steel, Add For 2" Insulated Wall Instead Of 1" Thickness, Add For 3" Insulated Wall Instead Of 1" Thickness, Add	126.26 14.73 9.21 18.42	13.70

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	151.82	15.74
		Outer Jacket		
		For 316 Stainless Steel, Add	17.98	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	11.24	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	22.48	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	168.53	17.02
		Outer Jacket		
		For 316 Stainless Steel, Add	20.15	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	12.59	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	25.19	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	190.05	18.56
		Outer Jacket		
		For 316 Stainless Steel, Add	22.96	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	14.35	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	28.71	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	213.97	19.45
		Outer Jacket		
		For 316 Stainless Steel, Add	26.43	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	16.52	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	33.04	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	225.95	20.48
		Outer Jacket		
		For 316 Stainless Steel, Add	27.95	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	17.47	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	34.93	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	250.29	21.63
		Outer Jacket		
		For 316 Stainless Steel, Add	31.41	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	19.63	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	39.27	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	310.13	34.16
		Outer Jacket		
		For 316 Stainless Steel, Add	35.96	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	22.48	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	44.95	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	385.77	38.39
		Outer Jacket		
		For 316 Stainless Steel, Add	46.36	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	28.98	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	57.95	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	435.43	40.95
		Outer Jacket		
		For 316 Stainless Steel, Add	53.30	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	33.31	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	66.62	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	487.36	45.44
		Outer Jacket		
		For 316 Stainless Steel, Add	59.80	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	37.37	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	74.74	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	542.46	49.14
		Outer Jacket		
		For 316 Stainless Steel, Add	67.16	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	41.98	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	83.95	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	619.27	55.92
		Outer Jacket		
		For 316 Stainless Steel, Add	76.69	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	47.93	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	95.87	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel	725.19	64.76
		Outer Jacket		
		For 316 Stainless Steel, Add	90.13	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	56.33	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	112.66	
23 51 16 00-0191		90 Degree Elbows (23 51 16 00-0175)		
23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	593.33	28.28
		For 316 Stainless Steel, Add	104.53	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	52.27	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	104.53	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	655.52	31.48
		For 316 Stainless Steel, Add	115.37	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	57.68	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	115.37	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	746.19	34.16
		For 316 Stainless Steel, Add	132.16	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	66.08	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	132.16	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	843.19	37.24
		For 316 Stainless Steel, Add	150.03	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	75.02	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	150.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0196	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	977.67	39.04
			For 316 Stainless Steel, Add	176.03	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	88.01	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	176.03	
23 51 16 00-0197	EA		16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,077.28	40.95
			For 316 Stainless Steel, Add	194.98	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	97.49	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	194.98	
23 51 16 00-0198	EA		18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,245.15	43.13
			For 316 Stainless Steel, Add	227.48	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	113.74	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	227.48	
23 51 16 00-0199	EA		20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,443.45	68.21
			For 316 Stainless Steel, Add	254.56	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	127.28	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	254.56	
23 51 16 00-0200	EA		24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,776.21	76.78
			For 316 Stainless Steel, Add	316.85	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	158.43	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	316.85	
23 51 16 00-0201	EA		28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,154.60	81.90
			For 316 Stainless Steel, Add	389.97	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	194.98	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	389.97	
23 51 16 00-0202	EA		32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,846.17	87.66
			For 316 Stainless Steel, Add	525.37	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	262.69	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	525.37	
23 51 16 00-0203	EA		36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,234.87	102.38
			For 316 Stainless Steel, Add	595.78	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	297.89	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	595.78	
23 51 16 00-0204	EA		42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,747.53	111.72
			For 316 Stainless Steel, Add	893.68	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	446.84	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	893.68	
23 51 16 00-0205	EA		48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,926.46	122.85
			For 316 Stainless Steel, Add	1,123.87	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	561.93	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	1,123.87	
23 51 16 00-0206			45 Degree Elbows (23 51 16 00-0175)		
23 51 16 00-0207	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	395.89	27.26
			For 316 Stainless Steel, Add	65.54	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	32.77	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	65.54	
23 51 16 00-0208	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	452.41	31.48
			For 316 Stainless Steel, Add	74.74	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	37.37	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	74.74	
23 51 16 00-0209	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	502.42	34.16
			For 316 Stainless Steel, Add	83.41	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	41.71	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	83.41	
23 51 16 00-0210	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	572.39	37.24
			For 316 Stainless Steel, Add	95.87	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	47.93	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	95.87	
23 51 16 00-0211	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	644.56	39.04
			For 316 Stainless Steel, Add	109.41	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	54.70	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	109.41	
23 51 16 00-0212	EA		16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	722.52	40.95
			For 316 Stainless Steel, Add	124.03	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	62.02	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	124.03	
23 51 16 00-0213	EA		18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	809.14	43.13
			For 316 Stainless Steel, Add	140.28	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	70.14	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	140.28	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	972.25	68.21
		For 316 Stainless Steel, Add	160.32	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	80.16	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	160.32	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,221.05	76.78
		For 316 Stainless Steel, Add	205.82	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	102.91	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	205.82	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,369.25	81.90
		For 316 Stainless Steel, Add	232.90	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	116.45	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	232.90	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,776.46	87.66
		For 316 Stainless Steel, Add	311.43	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	155.72	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	311.43	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,354.74	102.38
		For 316 Stainless Steel, Add	419.76	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	209.88	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	419.76	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,122.67	111.72
		For 316 Stainless Steel, Add	568.70	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	284.35	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	568.70	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,166.22	122.85
		For 316 Stainless Steel, Add	771.81	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	385.91	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	771.81	

23 51 16 00-0221 Tees (23 51 16 00-0175)

23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	429.34	34.16
		For 316 Stainless Steel, Add	75.66	
		For Tee Cap, Add	98.68	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	34.39	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	68.79	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	488.42	37.24
		For 316 Stainless Steel, Add	86.98	
		For Tee Cap, Add	111.64	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	39.54	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	79.08	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	560.58	39.04
		For 316 Stainless Steel, Add	101.88	
		For Tee Cap, Add	126.74	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	46.31	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	92.62	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	643.97	40.95
		For 316 Stainless Steel, Add	119.16	
		For Tee Cap, Add	144.15	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	54.16	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	108.32	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	752.86	45.56
		For 316 Stainless Steel, Add	140.60	
		For Tee Cap, Add	167.63	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	63.91	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	127.82	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	845.54	51.19
		For 316 Stainless Steel, Add	157.88	
		For Tee Cap, Add	188.29	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	71.77	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	143.53	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	985.65	58.49
		For 316 Stainless Steel, Add	184.69	
		For Tee Cap, Add	219.05	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	83.95	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	167.90	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,128.50	72.30
		For 316 Stainless Steel, Add	208.52	
		For Tee Cap, Add	252.80	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	94.78	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	189.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0230	EA		24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,433.98	102.38
			For 316 Stainless Steel, Add	259.17	
			For Tee Cap, Add	325.19	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	117.80	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	235.61	
23 51 16 00-0231	EA		28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,741.53	111.72
			For 316 Stainless Steel, Add	321.72	
			For Tee Cap, Add	390.18	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	146.24	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	292.48	
23 51 16 00-0232	EA		32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,311.13	122.85
			For 316 Stainless Steel, Add	440.88	
			For Tee Cap, Add	508.30	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	200.40	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	400.80	
23 51 16 00-0233	EA		36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,575.63	136.55
			For 316 Stainless Steel, Add	491.52	
			For Tee Cap, Add	566.34	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	223.42	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	446.84	
23 51 16 00-0234	EA		42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,100.15	204.76
			For 316 Stainless Steel, Add	789.42	
			For Tee Cap, Add	896.82	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	358.83	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	717.65	
23 51 16 00-0235	EA		48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,150.41	245.71
			For 316 Stainless Steel, Add	997.94	
			For Tee Cap, Add	1,122.23	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	453.61	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	907.22	
23 51 16 00-0236 Bellows (23 51 16 00-0175)					
23 51 16 00-0237	EA		6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	810.23	27.26
			For 2" Insulated Wall Instead Of 1" Thickness, Add	74.20	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	148.40	
23 51 16 00-0238	EA		8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	883.00	31.48
			For 2" Insulated Wall Instead Of 1" Thickness, Add	80.43	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	160.86	
23 51 16 00-0239	EA		10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	965.55	34.16
			For 2" Insulated Wall Instead Of 1" Thickness, Add	88.01	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	176.03	
23 51 16 00-0240	EA		12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,067.96	37.24
			For 2" Insulated Wall Instead Of 1" Thickness, Add	97.49	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	194.98	
23 51 16 00-0241	EA		14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,194.31	39.04
			For 2" Insulated Wall Instead Of 1" Thickness, Add	109.68	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	219.36	
23 51 16 00-0242	EA		16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,321.01	40.95
			For 2" Insulated Wall Instead Of 1" Thickness, Add	121.87	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	243.73	
23 51 16 00-0243	EA		18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,475.34	43.13
			For 2" Insulated Wall Instead Of 1" Thickness, Add	136.76	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	273.52	
23 51 16 00-0244	EA		20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,714.24	68.21
			For 2" Insulated Wall Instead Of 1" Thickness, Add	154.36	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	308.72	
23 51 16 00-0245	EA		24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,114.75	76.78
			For 2" Insulated Wall Instead Of 1" Thickness, Add	192.28	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	384.55	
23 51 16 00-0246	EA		28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,371.28	81.90
			For 2" Insulated Wall Instead Of 1" Thickness, Add	216.65	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	433.30	
23 51 16 00-0247	EA		32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,710.90	87.79
			For 2" Insulated Wall Instead Of 1" Thickness, Add	249.15	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	498.29	
23 51 16 00-0248	EA		36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,099.49	102.38
			For 2" Insulated Wall Instead Of 1" Thickness, Add	284.35	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	568.70	
23 51 16 00-0249	EA		42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,935.12	111.72
			For 2" Insulated Wall Instead Of 1" Thickness, Add	365.60	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	731.19	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	4,775.54	122.85	
		For 2" Insulated Wall Instead Of 1" Thickness, Add.....	446.84		
		For 3" Insulated Wall Instead Of 1" Thickness, Add.....	893.68		
23 51 16 00-0251 Ventilated Roof Thimbles (23 51 16 00-0175)					
23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	539.12	31.48	
		For 316 Stainless Steel, Add.....	46.04		
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	585.93	37.24	
		For 316 Stainless Steel, Add.....	49.29		
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	641.25	40.95	
		For 316 Stainless Steel, Add.....	53.89		
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	693.36	45.56	
		For 316 Stainless Steel, Add.....	57.95		
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	881.46	48.24	
		For 316 Stainless Steel, Add.....	76.10		
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	788.73	51.19	
		For 316 Stainless Steel, Add.....	66.08		
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	848.80	54.64	
		For 316 Stainless Steel, Add.....	71.22		
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	955.68	76.78	
		For 316 Stainless Steel, Add.....	76.37		
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,072.21	87.66	
		For 316 Stainless Steel, Add.....	85.31		
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,224.57	94.44	
		For 316 Stainless Steel, Add.....	98.85		
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,366.12	102.25	
		For 316 Stainless Steel, Add.....	111.03		
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,525.60	122.73	
		For 316 Stainless Steel, Add.....	121.87		
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,952.45	136.42	
		For 316 Stainless Steel, Add.....	161.13		
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,414.74	153.44	
		For 316 Stainless Steel, Add.....	203.11		
23 51 16 00-0266 Exit Cones (23 51 16 00-0175)					
23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	372.24	17.79	
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	392.70	19.45	
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	422.19	20.48	
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	441.14	21.50	
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	485.91	22.14	
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	530.69	22.65	
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	643.41	23.42	
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	805.69	43.90	
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,011.79	47.23	
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,206.11	49.14	
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,482.05	51.19	
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,683.28	55.92	
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,123.22	58.49	
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,712.75	61.43	
23 51 16 00-0281 Vent Top Caps (23 51 16 00-0175)					
23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	407.35	17.79	
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	471.24	19.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0284	EA		10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	546.73	20.48
23 51 16 00-0285	EA		12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	627.97	21.50
23 51 16 00-0286	EA		14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	732.30	22.14
23 51 16 00-0287	EA		16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	831.37	22.78
23 51 16 00-0288	EA		18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	925.09	23.42
23 51 16 00-0289	EA		20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,111.59	43.90
23 51 16 00-0290	EA		24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,323.21	47.23
23 51 16 00-0291	EA		28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,436.22	49.14
23 51 16 00-0292	EA		32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,630.90	51.19
23 51 16 00-0293	EA		36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,899.78	55.80
23 51 16 00-0294	EA		42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,312.70	58.49
23 51 16 00-0295	EA		48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,685.57	61.43
23 51 16 00-0296 Roof Support Assemblies (23 51 16 00-0175)					
23 51 16 00-0297	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	615.29	32.77
			For 316 Stainless Steel, Add	106.70	
23 51 16 00-0298	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	679.76	39.04
			For 316 Stainless Steel, Add	116.45	
23 51 16 00-0299	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	746.79	43.13
			For 316 Stainless Steel, Add	127.82	
23 51 16 00-0300	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	797.40	48.12
			For 316 Stainless Steel, Add	135.41	
23 51 16 00-0301	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	888.95	51.19
			For 316 Stainless Steel, Add	152.20	
23 51 16 00-0302	EA		16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	943.55	54.64
			For 316 Stainless Steel, Add	161.40	
23 51 16 00-0303	EA		18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,012.98	58.61
			For 316 Stainless Steel, Add	173.32	
23 51 16 00-0304	EA		20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,125.52	81.90
			For 316 Stainless Steel, Add	184.15	
23 51 16 00-0305	EA		24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,265.37	94.57
			For 316 Stainless Steel, Add	205.82	
23 51 16 00-0306	EA		28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,461.06	102.38
			For 316 Stainless Steel, Add	241.02	
23 51 16 00-0307	EA		32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,741.55	111.72
			For 316 Stainless Steel, Add	292.48	
23 51 16 00-0308	EA		36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,020.47	136.55
			For 316 Stainless Steel, Add	335.81	
23 51 16 00-0309	EA		42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,010.76	153.57
			For 316 Stainless Steel, Add	525.37	
23 51 16 00-0310	EA		48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,686.20	174.56
			For 316 Stainless Steel, Add	649.95	
23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings (23 51 16)					
			Note: With 1" insulation.		
23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe (23 51 16 00-0311)					
			Note: With 1" insulation.		
23 51 16 00-0313	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	110.01	13.70
			For 2" Insulated Wall Instead Of 1" Thickness, Add	7.58	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	15.17	
23 51 16 00-0314	LF		7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	134.08	14.59
			For 2" Insulated Wall Instead Of 1" Thickness, Add	9.75	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	19.50	
23 51 16 00-0315	LF		8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	153.17	15.74
			For 2" Insulated Wall Instead Of 1" Thickness, Add	11.37	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	22.75	
23 51 16 00-0316	LF		10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	207.75	17.02
			For 2" Insulated Wall Instead Of 1" Thickness, Add	16.52	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	33.04	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	268.65		18.69
		For 2" Insulated Wall Instead Of 1" Thickness, Add	22.21		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	44.41		
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	341.36		19.58
		For 2" Insulated Wall Instead Of 1" Thickness, Add	29.25		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	58.50		
23 51 16 00-0319 90 Degree Elbows (23 51 16 00-0311)					
23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	237.52		27.26
		For 2" Insulated Wall Instead Of 1" Thickness, Add	16.93		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	33.85		
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	262.64		29.18
		For 2" Insulated Wall Instead Of 1" Thickness, Add	18.96		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	37.91		
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	295.39		31.48
		For 2" Insulated Wall Instead Of 1" Thickness, Add	21.67		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	43.33		
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	367.01		34.16
		For 2" Insulated Wall Instead Of 1" Thickness, Add	28.16		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	56.33		
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	436.99		37.24
		For 2" Insulated Wall Instead Of 1" Thickness, Add	34.39		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	68.79		
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	509.09		39.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	41.16		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	82.33		
23 51 16 00-0326 45 Degree Elbows (23 51 16 00-0311)					
23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	195.21		27.26
		For 2" Insulated Wall Instead Of 1" Thickness, Add	12.69		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	25.39		
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	215.24		29.18
		For 2" Insulated Wall Instead Of 1" Thickness, Add	14.22		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	28.44		
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	241.24		31.48
		For 2" Insulated Wall Instead Of 1" Thickness, Add	16.25		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	32.50		
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	296.59		34.16
		For 2" Insulated Wall Instead Of 1" Thickness, Add	21.12		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	42.25		
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	350.98		37.24
		For 2" Insulated Wall Instead Of 1" Thickness, Add	25.80		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	51.59		
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	406.24		39.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	30.87		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	61.74		
23 51 16 00-0333 Tees With Tee Caps (23 51 16 00-0311)					
23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	387.76		27.26
		For 2" Insulated Wall Instead Of 1" Thickness, Add	31.96		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	63.91		
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	490.13		29.18
		For 2" Insulated Wall Instead Of 1" Thickness, Add	41.71		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	83.41		
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	549.91		31.48
		For 2" Insulated Wall Instead Of 1" Thickness, Add	47.12		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	94.24		
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	748.77		34.16
		For 2" Insulated Wall Instead Of 1" Thickness, Add	66.35		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	132.70		
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,027.30		37.24
		For 2" Insulated Wall Instead Of 1" Thickness, Add	93.43		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	186.86		
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,316.08		39.04
		For 2" Insulated Wall Instead Of 1" Thickness, Add	121.87		
		For 3" Insulated Wall Instead Of 1" Thickness, Add	243.73		
23 51 16 00-0340 Joist Shields (23 51 16 00-0311)					
23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	165.71		27.26
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	178.70		29.18
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	208.69		31.48
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	260.08		34.16
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	311.04		37.24
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	368.27		39.04
23 51 16 00-0347 Adjustable Roof Flashing (23 51 16 00-0311)					
23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	196.85		27.26
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	219.30		29.18
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	238.47		31.48
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	289.84		34.16
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	357.16		37.24
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	427.81		38.90

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
23 51 16 00-0354 Vent Top Caps (23 51 16 00-0311)					
23 51 16 00-0355	EA 6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe		176.54		27.26
23 51 16 00-0356	EA 7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe		220.65		29.18
23 51 16 00-0357	EA 8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe		276.39		31.48
23 51 16 00-0358	EA 10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe		440.18		34.16
23 51 16 00-0359	EA 12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe		599.53		37.24
23 51 16 00-0360	EA 14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe		763.68		39.04
23 51 16 00-0361 Roof Support Assemblies (23 51 16 00-0311)					
23 51 16 00-0362	EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		261.74		27.26
23 51 16 00-0363	EA 7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		291.06		29.18
23 51 16 00-0364	EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		315.64		31.48
23 51 16 00-0365	EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		396.74		34.16
23 51 16 00-0366	EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		469.48		37.24
23 51 16 00-0367	EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe		574.12		39.04
23 51 16 00-0368 Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)					
23 51 16 00-0369 Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)					
23 51 16 00-0370	EA 2" Concentric Polyvinyl Chloride (PVC) Vent Termination		256.55		52.12
23 51 16 00-0371	EA 3" Concentric Polyvinyl Chloride (PVC) Vent Termination		278.31		52.12
23 51 16 00-0372 Polypropylene (PP) Flue/Vent Pipe And Fittings (23 51 16)					
Note: Centrotherm InnoFlue® Vent System					
23 51 16 00-0373 Polypropylene Flue/Vent Rigid Pipe Sections (23 51 16 00-0372)					
Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.					
23 51 16 00-0374	EA 2" x 12" Polypropylene Flue/Vent Rigid Pipe Section		48.19		15.83
23 51 16 00-0375	EA 2" x 24" Polypropylene Flue/Vent Rigid Pipe Section		54.82		16.66
23 51 16 00-0376	EA 2" x 36" Polypropylene Flue/Vent Rigid Pipe Section		62.85		18.52
23 51 16 00-0377	EA 2" x 72" Polypropylene Flue/Vent Rigid Pipe Section		78.07		21.78
23 51 16 00-0378	EA 3" x 12" Polypropylene Flue/Vent Rigid Pipe Section		57.95		18.14
23 51 16 00-0379	EA 3" x 24" Polypropylene Flue/Vent Rigid Pipe Section		70.03		19.11
23 51 16 00-0380	EA 3" x 36" Polypropylene Flue/Vent Rigid Pipe Section		85.98		21.23
23 51 16 00-0381	EA 3" x 72" Polypropylene Flue/Vent Rigid Pipe Section		106.36		24.97
23 51 16 00-0382	EA 4" x 12" Polypropylene Flue/Vent Rigid Pipe Section		95.95		24.01
23 51 16 00-0383	EA 4" x 24" Polypropylene Flue/Vent Rigid Pipe Section		113.40		25.26
23 51 16 00-0384	EA 4" x 36" Polypropylene Flue/Vent Rigid Pipe Section		141.11		28.08
23 51 16 00-0385	EA 4" x 72" Polypropylene Flue/Vent Rigid Pipe Section		182.92		33.03
23 51 16 00-0386	EA 5" x 12" Polypropylene Flue/Vent Rigid Pipe Section		142.34		35.43
23 51 16 00-0387	EA 5" x 24" Polypropylene Flue/Vent Rigid Pipe Section		162.85		37.29
23 51 16 00-0388	EA 5" x 36" Polypropylene Flue/Vent Rigid Pipe Section		211.92		41.44
23 51 16 00-0389	EA 5" x 72" Polypropylene Flue/Vent Rigid Pipe Section		275.62		48.76
23 51 16 00-0390 Polypropylene Flue/Vent Elbows (23 51 16 00-0372)					
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0391	EA 2" Polypropylene Flue/Vent 15 Degree Elbow		59.58		19.23
23 51 16 00-0392	EA 3" Polypropylene Flue/Vent 15 Degree Elbow		69.76		20.25
23 51 16 00-0393	EA 4" Polypropylene Flue/Vent 15 Degree Elbow		87.21		20.99
23 51 16 00-0394	EA 5" Polypropylene Flue/Vent 15 Degree Elbow		101.32		21.85
23 51 16 00-0395	EA 2" Polypropylene Flue/Vent 30 Degree Elbow		59.58		19.23
23 51 16 00-0396	EA 3" Polypropylene Flue/Vent 30 Degree Elbow		69.76		20.25
23 51 16 00-0397	EA 4" Polypropylene Flue/Vent 30 Degree Elbow		87.21		20.99
23 51 16 00-0398	EA 5" Polypropylene Flue/Vent 30 Degree Elbow		101.32		21.85
23 51 16 00-0399	EA 2" Polypropylene Flue/Vent 45 Degree Elbow		59.58		19.23
23 51 16 00-0400	EA 3" Polypropylene Flue/Vent 45 Degree Elbow		69.76		20.25
23 51 16 00-0401	EA 4" Polypropylene Flue/Vent 45 Degree Elbow		87.21		20.99
23 51 16 00-0402	EA 5" Polypropylene Flue/Vent 45 Degree Elbow		101.32		21.85
23 51 16 00-0403	EA 2" Polypropylene Flue/Vent 87 Degree Elbow		59.58		19.23
23 51 16 00-0404	EA 3" Polypropylene Flue/Vent 87 Degree Elbow		69.76		20.25
23 51 16 00-0405	EA 4" Polypropylene Flue/Vent 87 Degree Elbow		86.13		20.99
23 51 16 00-0406	EA 5" Polypropylene Flue/Vent 87 Degree Elbow		103.99		21.85
23 51 16 00-0407 Polypropylene Flue/Vent Tees (23 51 16 00-0372)					
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0408	EA 2" Polypropylene Flue/Vent Tee		185.90		28.86
23 51 16 00-0409	EA 3" Polypropylene Flue/Vent Tee		233.67		30.38
23 51 16 00-0410	EA 4" Polypropylene Flue/Vent Tee		274.30		31.48
23 51 16 00-0411	EA 5" Polypropylene Flue/Vent Tee		300.15		32.77
23 51 16 00-0412 Polypropylene Flue/Vent Adaptors (23 51 16 00-0372)					
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0413	EA 2" Polypropylene Flue/Vent Adaptor With Gasket		70.12		19.23
23 51 16 00-0414	EA 3" Polypropylene Flue/Vent Adaptor With Gasket		100.44		20.25
23 51 16 00-0415	EA 4" Polypropylene Flue/Vent Adaptor With Gasket		116.91		20.99
23 51 16 00-0416	EA 5" Polypropylene Flue/Vent Adaptor With Gasket		159.39		21.85

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 51 16 00-0417		Polypropylene Flue/Vent Increases (23 51 16 00-0372)		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA	2" x 3" Polypropylene Flue/Vent Centric Increaser	77.70	19.74
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	85.07	20.62
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	152.93	21.41
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	104.73	19.74
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	82.87	20.62
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	210.67	21.41
23 51 16 00-0424		Polypropylene Flue/Vent Reducers (23 51 16 00-0372)		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	77.70	19.74
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	85.07	20.62
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	188.93	21.41
23 51 16 00-0428		Polypropylene Flue/Vent Test Ports (23 51 16 00-0372)		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	98.58	28.86
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	110.56	30.38
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	169.12	31.48
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	180.57	32.77
23 51 16 00-0433		Polypropylene Flue/Vent Cascade Components (23 51 16 00-0372)		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	279.15	31.48
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	365.57	39.36
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	229.66	32.77
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	340.14	40.95
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	356.15	20.62
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	412.31	21.41
23 51 16 00-0440		Polypropylene Flue/Vent Condensate Management (23 51 16 00-0372)		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	135.08	28.86
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	163.21	30.38
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	186.91	31.48
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	213.23	32.77
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	236.30	31.48
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	260.50	32.77
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	77.78	9.62
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	99.82	10.12
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	118.63	10.50
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	154.91	10.92
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	150.88	28.86
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	185.11	30.38
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	214.08	31.48
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	257.90	32.77
23 51 16 00-0455		Polypropylene Flue/Vent Terminations (23 51 16 00-0372)		
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	195.93	19.23
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	172.88	20.25
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	216.30	20.99
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	441.60	20.25
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	471.52	20.99
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	550.40	21.85
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	115.78	19.23
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	122.55	19.23
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	129.32	19.23
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	136.09	19.23
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	125.09	20.25
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	131.86	20.25
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	138.63	20.25
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	145.40	20.25
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	140.47	20.99
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	147.24	20.99
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	154.01	20.99
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	122.48	19.23
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	156.90	20.25
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	142.42	28.86
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	187.49	30.38
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	221.65	31.48
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	244.20	32.77
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	50.71	16.66
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	60.68	18.52
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	61.01	19.11
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	76.24	21.23
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	92.10	25.26
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	127.12	37.29
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	154.06	41.44
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	56.14	16.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0487	EA		3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	72.26	19.11
23 51 16 00-0488	EA		4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	118.42	25.26
23 51 16 00-0489	EA		2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	61.74	19.23
23 51 16 00-0490	EA		3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	72.47	20.25
23 51 16 00-0491	EA		4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	90.67	20.99
23 51 16 00-0492	EA		2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	60.72	19.23
23 51 16 00-0493	EA		3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	71.79	20.25
23 51 16 00-0494	EA		4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	89.48	20.99
23 51 16 00-0495	EA		2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	39.66	9.62
23 51 16 00-0496	EA		3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	46.23	10.12
23 51 16 00-0497	EA		4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	51.82	10.50
23 51 16 00-0498	EA		3" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	101.69	10.12
23 51 16 00-0499	EA		5" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	116.88	10.92
23 51 16 00-0500 Polypropylene Flue/Vent Accessories (23 51 16 00-0372)					
23 51 16 00-0501	EA		2" Spacer For Polypropylene Flue/Vent.....	20.21	4.81
23 51 16 00-0502	EA		3" Spacer For Polypropylene Flue/Vent.....	19.24	5.07
23 51 16 00-0503	EA		4" Spacer For Polypropylene Flue/Vent.....	19.82	5.24
23 51 16 00-0504	EA		5" Spacer For Polypropylene Flue/Vent.....	31.37	5.46
23 51 16 00-0505	EA		2" Flue Clamp For Polypropylene Flue/Vent.....	38.22	7.22
23 51 16 00-0506	EA		3" Flue Clamp For Polypropylene Flue/Vent.....	44.93	7.59
23 51 16 00-0507	EA		4" Flue Clamp For Polypropylene Flue/Vent.....	52.16	7.87
23 51 16 00-0508	EA		2" Support Clamp For Polypropylene Flue/Vent.....	36.33	7.22
23 51 16 00-0509	EA		4" Support Clamp For Polypropylene Flue/Vent.....	36.22	7.87
23 51 16 00-0510	EA		5" Support Clamp For Polypropylene Flue/Vent.....	44.20	8.19
23 51 16 00-0511	EA		3" Plastic Support Clamp For Polypropylene Flue/Vent.....	27.65	7.59
23 51 16 00-0512	EA		2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	54.91	19.23
23 51 16 00-0513	EA		3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	60.58	20.25
23 51 16 00-0514	EA		4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	65.26	20.99
23 51 16 00-0515	EA		5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	72.94	21.85
23 51 16 00-0516	EA		2" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	4.35	
23 51 16 00-0517	EA		3" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	4.86	
23 51 16 00-0518	EA		4" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	6.58	
23 51 16 00-0519	EA		5" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	10.87	
23 51 16 00-0520	EA		2" Connector Ring For Polypropylene Flue/Vent.....	16.69	4.81
23 51 16 00-0521	EA		3" Connector Ring For Polypropylene Flue/Vent.....	18.91	5.07
23 51 16 00-0522	EA		4" Connector Ring For Polypropylene Flue/Vent.....	20.38	5.24
23 51 16 00-0523	EA		5" Connector Ring For Polypropylene Flue/Vent.....	22.54	5.46
23 51 16 00-0524	EA		2"/4" Polypropylene Flue/Vent Air Intake, White.....	84.57	9.62
23 51 16 00-0525	EA		3"/5" Polypropylene Flue/Vent Air Intake, White.....	86.68	10.12
23 51 16 00-0526	EA		4"/6" Polypropylene Flue/Vent Air Intake, White.....	64.25	10.50
23 51 16 00-0527	EA		2" Base Support For Polypropylene Flue/Vent.....	73.58	7.22
23 51 16 00-0528	EA		3" Base Support For Polypropylene Flue/Vent.....	75.88	7.59
23 51 16 00-0529	EA		4" Base Support For Polypropylene Flue/Vent.....	101.99	7.87
23 51 16 00-0530	EA		5" Base Support For Polypropylene Flue/Vent.....	173.12	8.19
23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)					
23 51 16 00-0532	LF		2", Up To 50', Polypropylene Flue/Vent Flex Pipe	13.26	1.69
23 51 16 00-0533	LF		2", > 50', Polypropylene Flue/Vent Flex Pipe	11.46	1.69
23 51 16 00-0534	LF		3", Up To 50', Polypropylene Flue/Vent Flex Pipe	16.29	1.99
23 51 16 00-0535	LF		3", > 50', Polypropylene Flue/Vent Flex Pipe.....	14.03	1.99
23 51 16 00-0536	LF		4", Up To 50', Polypropylene Flue/Vent Flex Pipe	23.52	2.46
23 51 16 00-0537	LF		4", > 50', Polypropylene Flue/Vent Flex Pipe.....	20.04	2.46
23 51 16 00-0538 Polypropylene Flue/Vent Couplers (23 51 16 00-0372)					
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.					
23 51 16 00-0539	EA		2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	92.94	19.23
23 51 16 00-0540	EA		2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	104.25	19.23
23 51 16 00-0541	EA		3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	213.43	20.25
23 51 16 00-0542	EA		4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	390.93	20.99
23 51 16 00-0543	EA		2" Polypropylene Flue/Vent Coupler, Flex to Flex	107.58	19.23
23 51 16 00-0544	EA		3" Polypropylene Flue/Vent Coupler, Flex to Flex	254.72	20.25
23 51 16 00-0545	EA		4" Polypropylene Flue/Vent Coupler, Flex to Flex	661.69	20.99
23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)					
23 51 16 00-0547	EA		2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	122.58	19.23
23 51 16 00-0548	EA		3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	113.10	20.25
23 51 16 00-0549	EA		4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	140.10	20.99
23 51 16 00-0550 Aluminum Flue/Vent Fittings (23 51 16)					
23 51 16 00-0551 Aluminum Vent Top Caps (23 51 16 00-0550)					
23 51 16 00-0552	EA		3" Aluminum Vent Cap (Star-Kap® 3-SK)	117.08	19.07
23 51 16 00-0553	EA		4" Aluminum Vent Cap (Star-Kap® 4-SK)	124.55	18.69
23 51 16 00-0554	EA		5" Aluminum Vent Cap (Star-Kap® 5-SK)	135.14	19.58
23 51 16 00-0555	EA		6" Aluminum Vent Cap (Star-Kap® 6-SK)	189.30	20.48
23 51 16 00-0556	EA		8" Aluminum Vent Cap (Star-Kap® 8-SK)	211.74	22.78
23 51 16 00-0557	EA		10" Aluminum Vent Cap (Star-Kap® 10-SK)	609.13	24.06
23 51 16 00-0558	EA		12" Aluminum Vent Cap (Star-Kap® 12-SK)	624.18	25.59

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
23 52 Heating Boilers ^(23 50)**23 52 13 Electric Boilers** ^(23 52)**23 52 13 00-0001 Packaged Electric Steam Boiler** ^(23 52 13)

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	9,174.46	716.99
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	9,905.67	836.49
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	10,625.24	896.24
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	11,823.61	955.99
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	12,993.29	1,015.74
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	15,162.19	1,135.24
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	17,331.20	1,254.74
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	18,040.52	1,314.49
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	19,009.16	1,374.24
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	24,824.99	1,493.74
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	25,869.65	1,553.49
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	27,114.36	1,677.54
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	28,242.79	1,801.80
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	30,469.11	1,926.07
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	32,815.55	2,112.46
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	34,895.90	2,174.59
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	36,588.44	2,236.72
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	38,886.96	2,298.85
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	41,186.11	2,360.99
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	44,068.92	2,485.24
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	47,038.70	2,609.51
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	49,946.36	2,671.64
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	55,347.06	2,733.77
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	59,609.12	2,858.03
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	61,050.53	2,982.29
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	67,117.71	3,168.69
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	69,302.41	3,355.08
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	71,611.38	3,541.48
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	76,053.03	3,727.86
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	78,027.60	3,852.13
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	80,618.94	4,100.65
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	83,377.48	4,349.18
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	91,070.18	4,597.70
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	96,008.88	4,846.23

23 52 13 00-0036 Packaged Electric Hot Water Boiler ^(23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	8,058.20	657.24
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	8,483.80	716.99
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	9,809.40	776.74
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	9,324.81	836.49
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	9,806.07	896.24
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	10,157.19	955.99
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	10,582.79	1,015.74
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	11,221.19	1,075.49
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	11,789.55	1,135.24
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	12,130.03	1,194.99
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	13,029.18	1,254.74
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	13,879.89	1,314.49
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	15,421.57	1,374.24
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	16,435.47	1,433.99
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	17,281.97	1,493.74
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	18,746.20	1,553.49
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	20,416.35	1,677.54
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	21,945.10	1,801.80
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	23,608.74	1,926.07
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	25,261.75	2,112.46
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	26,925.39	2,236.72
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	28,477.50	2,360.99
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	30,650.94	2,423.11
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	32,662.28	2,485.24
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	34,588.51	2,609.51
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	36,610.39	2,609.51
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	40,106.02	2,671.64
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	41,965.47	2,733.77
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	44,308.18	2,858.03
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	46,081.65	2,920.16
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	47,861.44	2,982.29
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	49,193.85	3,168.69
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	51,604.54	3,355.08
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	60,053.72	3,541.48
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	65,888.11	3,727.86
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	68,445.44	3,852.13

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls.....	71,291.84	4,100.65
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls.....	74,138.22	4,349.18
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls.....	82,171.81	4,597.70
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls.....	87,350.46	4,846.23
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls.....	89,558.46	4,970.49
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls.....	91,766.44	5,094.75
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls.....	92,263.50	5,281.15
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls.....	99,056.01	5,405.40
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls.....	103,596.25	5,591.80
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls.....	111,222.88	5,964.59
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls.....	119,861.46	6,585.90
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls.....	129,795.48	7,331.47
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls.....	137,422.11	8,077.04
23 52 16 Condensing Boilers (23 52)				
23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)				
23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)				
Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.				
23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79).....	12,596.58	478.00
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129).....	13,351.54	636.69
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179).....	14,247.91	716.87
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1).....	15,102.78	756.79
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299).....	19,903.70	876.29
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399).....	23,023.68	955.87
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599).....	31,059.07	1,115.17
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798).....	43,107.13	1,274.58
Note: Includes vent manifold.				
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998).....	52,675.20	1,394.07
Note: Includes vent manifold.				
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499).....	75,956.14	1,632.95
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999).....	83,692.17	1,752.45
23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)				
Note: Includes Riello burners. Rated by gross rated output.				
23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145).....	39,834.80	1,035.58
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185).....	41,721.21	1,115.17
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240).....	46,654.29	1,274.58
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310).....	50,427.11	1,433.87
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400).....	55,910.88	1,553.37
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510).....	63,943.03	1,632.95
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640).....	76,785.22	1,752.45
23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)				
Note: Includes Riello burners. Rated by gross rated output.				
23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790).....	78,316.54	1,911.75
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970).....	90,652.31	1,991.46
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200).....	105,018.85	2,071.16
23 52 16 13-0025 Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)				
Note: Compliant with SCAQMD. Rated by gross rated input.				
23 52 16 13-0026	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080).....	8,845.63	517.79
23 52 16 13-0027	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105).....	10,097.90	597.49
23 52 16 13-0028	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150).....	11,317.14	716.87
23 52 16 13-0029	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210).....	12,603.66	796.58
23 52 16 13-0030	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285).....	15,848.37	876.29
23 52 16 13-0031	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399).....	20,693.48	955.87
23 52 16 13-0032	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500).....	24,854.09	1,035.58
23 52 16 13-0033	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600).....	27,588.66	1,115.17
23 52 16 13-0034	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750).....	29,966.71	1,194.88
23 52 16 13-0035	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850).....	32,583.77	1,354.16
23 52 16 13-0036	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000).....	46,338.01	1,433.87
23 52 16 13-0037	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700).....	61,587.93	1,672.87
23 52 16 13-0038 AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)				
Note: Rated by gross rated output.				
23 52 16 13-0039	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN).....	50,217.24	1,632.95
Note: Includes gas PRV and pump delay relay.				
23 52 16 13-0040	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN).....	59,562.95	1,752.45
Note: Includes gas PRV and pump delay relay.				
23 52 16 13-0041	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	85,553.31	1,951.66
Note: Includes gas PRV and pump delay relay.				
23 52 16 13-0042	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	91,135.09	1,951.66
Note: Includes gas PRV and pump delay relay.				
23 52 16 13-0043 Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)				
Note: Rated by gross rated output.				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 16 13-0044	EA	184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	12,262.16		716.87
23 52 16 13-0045	EA	264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N)	15,851.19		796.58
23 52 16 13-0046		Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)			
Note: Rated by gross rated output.					
23 52 16 13-0047	EA	387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N)	18,003.01		916.08
23 52 16 13-0048	EA	485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N)	22,422.72		955.87
23 52 16 13-0049	EA	631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N)	27,502.34		1,035.58
23 52 16 13-0050	EA	776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N)	32,960.82		1,075.37
23 52 16 13-0051	EA	969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N)	40,287.23		1,155.08
23 52 16 13-0052		Lochinvar Crest Stainless Steel Condensing Boilers (23 52 16 13)			
Note: Rated by gross rated output.					
23 52 16 13-0053	EA	1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251)	51,050.15		1,353.92
23 52 16 13-0054	EA	1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501)	52,707.05		1,553.37
23 52 16 13-0055	EA	1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751)	57,776.09		1,652.67
23 52 16 13-0056	EA	1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001)	62,845.13		1,752.45
23 52 16 13-0057	EA	2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501)	73,712.98		1,832.16
23 52 16 13-0058	EA	2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001)	81,657.03		1,911.75
23 52 16 13-0059	EA	3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501)	100,299.10		1,991.46
23 52 16 13-0060	EA	3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001)	110,810.15		2,071.04
23 52 16 13-0061	EA	4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001)	135,919.77		2,150.63
23 52 16 13-0062		Patterson Kelley Stainless Steel Condensing Boilers (23 52 16 13)			
23 52 16 13-0063		Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series (23 52 16 13-0062)			
23 52 16 13-0064	EA	1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500)	47,732.94		1,632.95
23 52 16 13-0065	EA	3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000)	73,291.25		1,951.66
23 52 16 13-0066		Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series (23 52 16 13-0062)			
23 52 16 13-0067	EA	650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650)	24,931.22		1,155.08
23 52 16 13-0068	EA	1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000)	29,982.46		1,433.87
23 52 16 13-0069	EA	2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000)	50,737.92		1,752.45
23 52 16 13-0070	EA	4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000)	86,980.07		2,071.16
23 52 16 13-0071		Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series (23 52 16 13-0062)			
23 52 16 13-0072	EA	1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250)	36,494.55		1,513.45
23 52 16 13-0073	EA	2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000)	59,951.52		1,752.45
23 52 16 13-0074	EA	4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000)	88,940.40		2,071.16
23 52 16 16		Aluminum Condensing Boilers (23 52 16)			
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers (23 52 16 16)			
Note: Rated by gross rated output.					
23 52 16 16-0002	EA	80 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 80)	8,499.02		517.79
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					
23 52 16 16-0003	EA	105 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 105)	9,370.39		597.49
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					
23 52 16 16-0004	EA	155 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 155)	10,572.05		716.87
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					
23 52 16 16-0005	EA	230 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 230)	11,865.00		796.58
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					
23 52 16 16-0006	EA	310 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 310)	15,385.34		916.08
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					
23 52 16 16-0007		Patterson Kelley Mach Series Aluminum Condensing Boilers (23 52 16 16)			
Note: Rated by gross rated output.					
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300)	20,911.67		876.29
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450)	23,524.58		995.79
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750)	26,647.48		1,194.88
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900)	39,470.18		1,354.16
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050)	41,232.07		1,433.87
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500)	63,957.87		1,632.95
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000)	69,257.77		1,752.45
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500)	81,620.35		1,911.75

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000).....	94,722.10	1,951.66
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000).....	107,765.29	2,071.16
23 52 16 16-0018		Buderus GB142 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
		Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24)	6,155.89	478.00
		Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30)	7,150.49	557.58
		Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45)	8,262.08	677.08
		Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60)	9,052.10	756.79
		Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	360.54	119.50
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3).....	461.58	119.50
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265).....	947.75	119.50
23 52 16 16-0026		Buderus GB162 Wall Hung Aluminum Condensing Boilers (23 52 16 16)		
		Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80)	10,243.35	876.29
		Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100)	12,550.89	916.08
		Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.		
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2)	23,873.83	1,075.37
		Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2).....	22,347.35	1,075.37
		Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2)	28,488.89	1,155.08
		Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2).....	26,962.41	1,155.08
		Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3)	33,127.82	1,354.16
		Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3)	39,930.94	1,433.87
		Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4)	41,064.46	1,513.45
		Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4)	41,675.82	1,513.45
		Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4)	49,936.11	1,553.37
		Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4)	50,547.47	1,553.37
		Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.		
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	771.20	119.50
23 52 16 16-0040		Buderus GB312 Aluminum Condensing Boilers (23 52 16 16)		
		Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90).....	14,468.24	876.29
		Note: Includes an aluminum heat exchanger.		
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120).....	16,835.51	955.87
		Note: Includes an aluminum heat exchanger.		
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160).....	21,015.05	1,055.42
		Note: Includes an aluminum heat exchanger.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200).....	24,125.34	1,155.08
Note: Includes an aluminum heat exchanger.				
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240).....	28,801.57	1,274.58
Note: Includes an aluminum heat exchanger.				
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280).....	31,795.90	1,394.07
Note: Includes an aluminum heat exchanger.				
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	503.90	59.75
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	280.58	59.75
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	393.34	59.75
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	812.14	59.75

23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)**23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19)**

Note: Rated by gross rated output.

23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	45,904.48	1,513.45
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	51,751.28	1,672.87
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	56,614.17	1,752.45
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	61,082.31	1,832.16

23 52 16 23 Cast Iron Condensing Boilers (23 52 16)**23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23)**

Note: Rated by gross rated output.

23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	16,205.82	756.79
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	23,689.01	955.87
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	38,847.26	1,115.17
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	50,984.94	1,433.87
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	67,915.00	1,672.87
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	74,067.16	1,752.45
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	94,197.87	1,911.75
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	102,931.65	1,951.66

23 52 23 Cast-Iron Boilers (23 52)**23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23)**
 Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls.
 Excludes flue piping, fuel piping, boiler base or pad.
23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380).....	18,779.57	3,898.48
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480).....	20,443.14	4,158.38
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580).....	22,256.45	4,418.28
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680).....	23,948.33	4,678.17
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780).....	25,516.88	4,938.07
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880).....	27,634.69	5,197.97
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980).....	29,289.53	5,457.87
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080).....	30,619.86	5,717.76
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180).....	31,945.53	5,977.67
Note: Includes field assembly of individual sections and testing.				
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280).....	33,463.96	6,237.57
Note: Includes field assembly of individual sections and testing.				

23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)

23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380).....	12,253.93	497.05
Note: Fire tested factory assembled package unit.				
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480).....	13,604.54	497.05
Note: Fire tested factory assembled package unit.				
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580).....	15,604.44	621.32
Note: Fire tested factory assembled package unit.				
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680).....	16,981.59	621.32
Note: Fire tested factory assembled package unit.				
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780).....	18,737.07	745.57
Note: Fire tested factory assembled package unit.				
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880).....	20,558.36	745.57
Note: Fire tested factory assembled package unit.				
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980).....	22,397.65	869.84
Note: Fire tested factory assembled package unit.				
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080).....	23,912.89	994.10
Note: Fire tested factory assembled package unit.				
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180).....	24,928.29	994.10
Note: Fire tested factory assembled package unit.				
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280).....	26,629.29	1,118.36
Note: Fire tested factory assembled package unit.				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0024		Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	19,568.70	3,898.48
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,373.35	4,158.38
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	23,101.45	4,418.28
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	25,022.39	4,678.17
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,620.27	4,938.07
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,916.86	5,197.97
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	30,390.13	5,457.87
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	31,825.21	5,717.76
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	33,152.28	5,977.67
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	34,708.41	6,237.57
23 52 23 00-0035		Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)		
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	13,043.07	497.05
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	14,534.75	497.05
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	16,449.45	621.32
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	18,055.65	621.32
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	19,840.46	745.57
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	21,840.53	745.57
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	23,498.25	869.84
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	25,118.24	994.10
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	26,135.04	994.10
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	27,873.75	1,118.36
23 52 23 00-0046		Weil-McLain Model 88 Cast Iron Boiler (23 52 23) Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		Gas Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	30,005.02	5,847.72
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	32,994.99	6,205.08
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	36,669.45	6,562.44
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	39,920.12	6,919.80
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	42,761.19	7,277.16
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	46,828.35	7,634.52
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	49,694.96	7,991.88
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	52,243.93	8,349.24
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	55,609.50	8,706.60
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	58,338.32	9,063.96
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	63,061.39	9,421.32
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	65,663.27	9,778.68
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	68,416.03	10,136.04
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	71,470.83	10,493.40
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	73,976.90	10,850.76
23 52 23 00-0063		Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)		
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	22,417.21	869.84

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588).....	25,428.31	994.10	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688).....	29,140.56	1,118.36	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788).....	32,398.88	1,242.62	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888).....	34,762.10	1,242.62	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988).....	38,854.24	1,366.89	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088).....	41,246.78	1,366.89	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188).....	43,816.56	1,491.15	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288).....	46,709.12	1,491.15	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388).....	49,459.08	1,615.41	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488).....	52,123.79	1,739.67	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588).....	54,252.36	1,739.67	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688).....	57,027.42	1,863.94	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788).....	59,607.12	1,863.94	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888).....	62,164.24	1,988.19	
		Note: Fire tested factory assembled package unit.			
23 52 23 00-0079		Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)			
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.			
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488)	30,977.13	5,847.72	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588)	33,961.51	6,205.08	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688).....	37,887.37	6,562.44	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788).....	41,260.96	6,919.80	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888).....	43,965.15	7,277.16	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988).....	47,956.88	7,634.52	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088).....	51,389.15	7,991.88	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188).....	53,938.13	8,349.24	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288).....	57,270.18	8,706.60	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388).....	60,712.71	9,063.96	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488).....	65,555.90	9,421.32	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588).....	68,997.20	9,778.68	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688).....	70,909.14	10,136.04	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788).....	73,888.52	10,493.40	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888).....	76,421.12	10,850.76	
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0095		Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)			
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488).....	23,389.31	869.84	
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588).....	26,394.82	994.10	
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688).....	30,344.51	1,118.36	
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788).....	33,739.72	1,242.62	
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888).....	35,968.85	1,242.62	
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988).....	39,982.77	1,366.89	
		Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.			
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088).....	42,940.98	1,366.89	
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188).....	45,510.75	1,491.15	
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288).....	48,369.80	1,491.15	
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388).....	51,840.45	1,615.41	
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488).....	54,618.29	1,739.67	
		Note: Fire tested factory assembled package cast iron unit.			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	56,189.58	1,739.67
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	59,520.53	1,863.94
23 52 23 00-0109	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	62,024.81	1,863.94
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	64,580.53	1,988.19
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler ^(23 52 23) Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler ^(23 52 23 00-0111) Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	79,474.73	11,370.57
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	86,027.32	12,020.30
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	92,027.93	12,670.05
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	97,906.63	13,319.80
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	103,839.02	13,969.55
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	111,664.23	14,619.30
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	117,264.35	15,269.04
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	122,689.12	15,918.79
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	131,402.36	16,568.53
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	136,824.08	17,218.28
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	141,500.73	17,868.02
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	149,916.71	18,517.77
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	155,381.71	19,167.52
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	163,987.82	19,817.27
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	169,730.98	20,467.02
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	175,998.37	21,116.75
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	181,407.13	21,766.50
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	186,965.98	22,416.25
23 52 23 00-0131		Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler ^(23 52 23 00-0111)		
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	68,356.43	1,615.41
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	74,547.81	1,739.67
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	80,183.31	1,863.94
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	85,701.43	1,988.19
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	90,771.45	1,988.19
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	96,158.46	2,112.46
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	100,897.46	2,112.46
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	105,958.87	2,236.72
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	113,812.51	2,236.72
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	118,872.51	2,360.99
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	122,688.30	2,360.99
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	130,744.36	2,485.24
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	135,347.88	2,485.24
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	143,616.25	2,609.51
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	148,472.57	2,609.51
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	154,374.84	2,733.77
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	158,923.90	2,733.77

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 23 52 23 00-0149 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) 164,119.38 2,858.03
 Note: Fire tested factory assembled package cast iron unit.
23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

 23 52 23 00-0151 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) 75,306.98 11,370.57
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0152 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) 81,859.56 12,020.30
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0153 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) 89,790.42 12,670.05
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0154 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) 95,164.91 13,319.80
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0155 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) 100,753.71 13,969.55
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0156 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) 108,194.83 14,619.30
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0157 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) 114,054.73 15,269.04
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0158 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) 119,482.29 15,918.79
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0159 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) 129,192.78 16,568.53
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0160 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) 134,615.90 17,218.28
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0161 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) 140,036.98 17,868.02
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0162 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) 149,926.48 18,517.77
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0163 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) 155,391.49 19,167.52
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0164 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) 164,222.46 19,817.27
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0165 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) 169,964.23 20,467.02
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0166 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) 176,111.50 21,116.75
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0167 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) 181,520.26 21,766.50
 Note: Includes field assembly of individual sections and testing.
 23 52 23 00-0168 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) 187,087.50 22,416.25
 Note: Includes field assembly of individual sections and testing.
23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)
 23 52 23 00-0170 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) 63,962.41 1,615.41
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0171 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) 70,153.79 1,739.67
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0172 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) 77,719.53 1,863.94
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0173 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) 82,733.44 1,988.19
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0174 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) 87,459.88 1,988.19
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0175 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) 92,462.79 2,112.46
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0176 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) 97,461.58 2,112.46
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0177 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) 102,522.99 2,236.72
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0178 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) 111,376.67 2,236.72
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0179 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) 116,435.27 2,360.99
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0180 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) 120,998.29 2,360.99
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0181 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) 130,527.87 2,485.24
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0182 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) 135,131.39 2,485.24
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0183 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) 143,596.69 2,609.51
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0184 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) 148,479.56 2,609.51
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0185 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) 154,261.71 2,733.77
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0186 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) 158,810.76 2,733.77
 Note: Fire tested factory assembled package cast iron unit.
 23 52 23 00-0187 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) 164,014.63 2,858.03
 Note: Fire tested factory assembled package cast iron unit.
23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

 23 52 23 00-0189 EA 1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) 80,784.84 11,370.57
 Note: Includes field assembly of individual sections and testing.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	87,338.82	12,020.30
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	93,696.99	12,670.05
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	99,716.75	13,319.80
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	105,617.02	13,969.55
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	112,320.68	14,619.30
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	119,444.60	15,269.04
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	125,212.95	15,918.79
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	134,145.48	16,568.53
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	139,567.20	17,218.28
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	144,341.61	17,868.02
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994)..... Note: Includes field assembly of individual sections and testing.	152,852.57	18,517.77
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094)..... Note: Includes field assembly of individual sections and testing.	159,714.28	19,167.52
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	169,069.01	19,817.27
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	174,770.27	20,467.02
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394)..... Note: Includes field assembly of individual sections and testing.	181,297.45	21,116.75
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494)..... Note: Includes field assembly of individual sections and testing.	186,707.60	21,766.50
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594)..... Note: Includes field assembly of individual sections and testing.	192,270.65	22,416.25
23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)				
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894)..... Note: Fire tested factory assembled package cast iron unit.	69,768.49	1,615.41
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994)..... Note: Fire tested factory assembled package cast iron unit.	75,961.27	1,739.67
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094)..... Note: Fire tested factory assembled package cast iron unit.	81,958.51	1,863.94
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194)..... Note: Fire tested factory assembled package cast iron unit.	87,614.91	1,988.19
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294)..... Note: Fire tested factory assembled package cast iron unit.	92,652.81	1,988.19
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394)..... Note: Fire tested factory assembled package cast iron unit.	96,916.87	2,112.46
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494)..... Note: Fire tested factory assembled package cast iron unit.	103,179.67	2,112.46
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594)..... Note: Fire tested factory assembled package cast iron unit.	108,583.27	2,236.72
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694)..... Note: Fire tested factory assembled package cast iron unit.	116,658.99	2,236.72
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794)..... Note: Fire tested factory assembled package cast iron unit.	121,716.19	2,360.99
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894)..... Note: Fire tested factory assembled package cast iron unit.	125,631.14	2,360.99
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994)..... Note: Fire tested factory assembled package cast iron unit.	133,782.18	2,485.24
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094)..... Note: Fire tested factory assembled package cast iron unit.	139,783.80	2,485.24
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194)..... Note: Fire tested factory assembled package cast iron unit.	148,772.86	2,609.51
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294)..... Note: Fire tested factory assembled package cast iron unit.	153,615.22	2,609.51
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394)..... Note: Fire tested factory assembled package cast iron unit.	159,775.88	2,733.77
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494)..... Note: Fire tested factory assembled package cast iron unit.	164,326.33	2,733.77
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594)..... Note: Fire tested factory assembled package cast iron unit.	169,527.41	2,858.03
23 52 33 Water-Tube Boilers (23 52)				
23 52 33 13 Finned Water-Tube Boilers (23 52 33)				
23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler (23 52 33 13)				
Note: Rated by gross rated output.				
23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	9,176.75	709.82
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	10,101.78	788.70
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	11,620.74	946.43
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	14,754.92	985.87
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	17,343.62	1,183.04
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	21,298.14	1,419.65

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	24,149.12	1,498.52
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	26,732.82	1,616.83
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	29,123.80	1,695.69
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	31,218.60	1,735.13

23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube**Boiler** (23 52 33 13)

Note: Rated by gross rated output.

23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	31,613.95	1,419.65
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	39,423.44	1,616.83
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	42,013.51	1,735.13
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	59,255.53	1,971.74
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	62,207.26	2,208.34

23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler (23 52 33 13)

Note: Rated by gross rated output.

23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	14,513.87	636.93
For High And Low Gas Pressure Switch With Manual Reset, Add			537.49	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add			476.15	
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	17,425.20	795.87
For High And Low Gas Pressure Switch With Manual Reset, Add			537.49	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add			476.15	
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	18,703.59	955.99
For High And Low Gas Pressure Switch With Manual Reset, Add			537.49	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add			476.15	
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	19,216.25	955.99
For High And Low Gas Pressure Switch With Manual Reset, Add			537.49	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add			476.15	
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	23,837.37	1,194.99
For High And Low Gas Pressure Switch With Manual Reset, Add			537.49	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add			476.15	
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	27,599.83	1,194.99
For High And Low Gas Pressure Switch With Manual Reset, Add			537.49	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add			476.15	
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	30,088.65	1,194.99
For High And Low Gas Pressure Switch With Manual Reset, Add			537.49	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add			476.15	
23 52 33 13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	32,438.58	1,433.99
For High And Low Gas Pressure Switch With Manual Reset, Add			537.49	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add			476.15	
23 52 33 13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	38,365.47	1,672.99
For High And Low Gas Pressure Switch With Manual Reset, Add			537.49	
For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add			476.15	

23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump (23 52 33 13)

Note: Rated by gross rated output.

23 52 33 13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	13,999.37	875.45
23 52 33 13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	15,072.68	788.70
23 52 33 13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	16,763.40	946.43
23 52 33 13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	17,792.45	1,074.42
23 52 33 13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	19,764.21	1,183.04
23 52 33 13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	21,257.98	1,273.39
23 52 33 13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	24,289.79	1,419.65
23 52 33 13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	28,235.56	1,498.52
23 52 33 13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	29,957.27	1,616.83
23 52 33 13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	35,832.78	1,656.26
23 52 33 13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	35,952.28	1,695.69
23 52 33 13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	42,086.72	1,735.13

23 52 33 16 Steel Water-Tube Boilers (23 52 33)**23 52 33 16-0001 Package Gas Fired Water Tube Boiler** (23 52 33 16)

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.

23 52 33 16-0002	EA	200 MBH Gas Fired Water Tube Boiler, Steel Shell	15,283.07	994.10
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.				
For Steam System, Add			2,658.98	
For LP Gas Burner, Add			664.74	
23 52 33 16-0003	EA	285 MBH Gas Fired Water Tube Boiler, Steel Shell	15,773.32	1,118.36
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.				
For Steam System, Add			2,707.32	
For LP Gas Burner, Add			676.83	
23 52 33 16-0004	EA	350 MBH Gas Fired Water Tube Boiler, Steel Shell	16,263.56	1,242.62
Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.				
For Steam System, Add			2,755.66	
For LP Gas Burner, Add			688.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0005	EA		430 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	17,140.58 2,881.36 720.34	1,366.89
23 52 33 16-0006	EA		520 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	18,017.59 3,007.06 751.77	1,491.15
23 52 33 16-0007	EA		600 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	19,523.07 3,258.45 814.61	1,615.41
23 52 33 16-0008	EA		680 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	20,493.38 3,427.66 856.92	1,677.54
23 52 33 16-0009	EA		770 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	21,463.69 3,596.87 899.22	1,739.67
23 52 33 16-0010	EA		860 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	23,259.24 3,906.28 976.57	1,863.94
23 52 33 16-0011	EA		1,020 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	25,054.81 4,215.68 1,053.92	1,988.19
23 52 33 16-0012	EA		1,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	27,292.28 4,563.77 1,140.94	2,236.72
23 52 33 16-0013	EA		1,440 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	29,336.37 4,873.18 1,218.29	2,485.24
23 52 33 16-0014	EA		1,700 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	32,292.21 5,414.64 1,353.66	2,609.51
23 52 33 16-0015	EA		2,050 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	34,087.76 5,724.05 1,431.01	2,733.77
23 52 33 16-0016	EA		2,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	36,656.87 6,188.16 1,547.04	2,858.03
23 52 33 16-0017	EA		2,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	40,772.99 6,961.68 1,740.42	2,982.29
23 52 33 16-0018	EA		2,750 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	43,783.98 7,464.47 1,866.12	3,230.81
23 52 33 16-0019	EA		3,100 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	46,794.98 7,967.26 1,991.81	3,479.34
23 52 33 16-0020	EA		3,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	49,999.34 8,508.72 2,127.18	3,727.86
23 52 33 16-0021	EA		4,300 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	54,093.26 9,228.09 2,307.02	3,976.39
23 52 33 16-0022	EA		5,160 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	56,408.07 9,591.65 2,397.91	4,224.91

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**
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23 52 33 16-0023	Package Oil Fired Water Tube Boiler (23 52 33 16)			
	Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.			
23 52 33 16-0024	EA	200 MBH Oil Fired Water Tube Boiler, Steel Shell	15,615.44	994.10
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	2,725.45	
23 52 33 16-0025	EA	285 MBH Oil Fired Water Tube Boiler, Steel Shell	16,111.74	1,118.36
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	2,775.00	
23 52 33 16-0026	EA	350 MBH Oil Fired Water Tube Boiler, Steel Shell	16,608.02	1,242.62
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	2,824.56	
23 52 33 16-0027	EA	430 MBH Oil Fired Water Tube Boiler, Steel Shell	17,496.79	1,366.89
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	2,952.60	
23 52 33 16-0028	EA	520 MBH Oil Fired Water Tube Boiler, Steel Shell	18,393.47	1,491.15
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	3,082.24	
23 52 33 16-0029	EA	600 MBH Oil Fired Water Tube Boiler, Steel Shell	19,930.38	1,615.41
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	3,339.91	
23 52 33 16-0030	EA	680 MBH Oil Fired Water Tube Boiler, Steel Shell	20,921.84	1,677.54
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	3,513.35	
23 52 33 16-0031	EA	770 MBH Oil Fired Water Tube Boiler, Steel Shell	21,913.30	1,739.67
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	3,686.79	
23 52 33 16-0032	EA	860 MBH Oil Fired Water Tube Boiler, Steel Shell	23,747.52	1,863.94
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	4,003.93	
23 52 33 16-0033	EA	1,020 MBH Oil Fired Water Tube Boiler, Steel Shell	25,581.77	1,988.19
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	4,321.08	
23 52 33 16-0034	EA	1,220 MBH Oil Fired Water Tube Boiler, Steel Shell	27,862.75	2,236.72
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	4,677.86	
23 52 33 16-0035	EA	1,440 MBH Oil Fired Water Tube Boiler, Steel Shell	29,945.52	2,485.24
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	4,995.01	
23 52 33 16-0036	EA	1,700 MBH Oil Fired Water Tube Boiler, Steel Shell	32,969.04	2,609.51
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	5,550.01	
23 52 33 16-0037	EA	2,050 MBH Oil Fired Water Tube Boiler, Steel Shell	34,803.27	2,733.77
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	5,867.15	
23 52 33 16-0038	EA	2,200 MBH Oil Fired Water Tube Boiler, Steel Shell	37,430.39	2,858.03
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	6,342.86	
23 52 33 16-0039	EA	2,450 MBH Oil Fired Water Tube Boiler, Steel Shell	41,643.20	2,982.29
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	7,135.72	
23 52 33 16-0040	EA	2,750 MBH Oil Fired Water Tube Boiler, Steel Shell	44,717.04	3,230.81
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	7,651.08	
23 52 33 16-0041	EA	3,100 MBH Oil Fired Water Tube Boiler, Steel Shell	47,790.89	3,479.34
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	8,166.44	
23 52 33 16-0042	EA	3,450 MBH Oil Fired Water Tube Boiler, Steel Shell	51,062.93	3,727.86
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	8,721.44	
23 52 33 16-0043	EA	4,300 MBH Oil Fired Water Tube Boiler, Steel Shell	56,436.06	3,976.39
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	9,696.65	
23 52 33 16-0044	EA	5,160 MBH Oil Fired Water Tube Boiler, Steel Shell	58,796.31	4,224.91
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
		<i>For Steam System, Add</i>	10,069.30	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 33 16-0045 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (23 52 33 16)

Note: Compliant with BAAQMD.

23 52 33 16-0046	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100).....	90,582.53	1,911.99
23 52 33 16-0047	EA	1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150).....	97,410.71	2,389.99
23 52 33 16-0048	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200).....	99,192.38	2,628.98
23 52 33 16-0049	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250).....	106,846.21	2,867.98
23 52 33 16-0050	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300).....	110,499.29	3,226.48
23 52 33 16-0051	EA	3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350).....	121,978.92	3,584.97
23 52 33 16-0052	EA	4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400).....	127,110.64	3,704.47

23 52 33 16-0053 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16)

Note: Compliant with BAAQMD.

23 52 33 16-0054	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS).....	105,738.71	2,150.99
23 52 33 16-0055	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS).....	111,021.95	2,509.48
23 52 33 16-0056	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS).....	114,109.54	2,748.48
23 52 33 16-0057	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS).....	127,633.29	2,987.48
23 52 33 16-0058	EA	3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS).....	132,351.04	3,226.48
23 52 33 16-0059	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS).....	141,547.54	3,584.97
23 52 33 16-0060	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS).....	149,861.21	3,823.97
23 52 33 16-0061	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS).....	250,463.16	4,062.97
23 52 33 16-0062	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS).....	271,162.74	4,301.97
23 52 33 16-0063	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS).....	285,339.46	4,540.97
23 52 33 16-0064	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS).....	292,666.81	4,779.97

23 52 33 16-0065 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (23 52 33 16)

Note: Compliant with BAAQMD.

23 52 33 16-0066	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS).....	113,891.73	2,150.99
23 52 33 16-0067	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS).....	120,807.40	2,509.48
23 52 33 16-0068	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS).....	125,198.66	2,748.48
23 52 33 16-0069	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS).....	139,048.89	2,987.48
23 52 33 16-0070	EA	3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS).....	143,766.64	3,226.48
23 52 33 16-0071	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS).....	151,333.00	3,584.97
23 52 33 16-0072	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS).....	159,966.30	3,823.97
23 52 33 16-0073	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS).....	259,922.12	4,062.97
23 52 33 16-0074	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS).....	282,254.14	4,301.97
23 52 33 16-0075	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS).....	291,211.64	4,540.97
23 52 33 16-0076	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS).....	303,758.21	4,779.97
23 52 33 16-0077	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS).....	337,830.03	5,018.97
23 52 33 16-0078	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS).....	488,829.57	5,257.97
23 52 33 16-0079	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS).....	513,606.82	5,496.96

23 52 36 Fire-Box Boiler (23 52)

23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	91,758.90	2,982.29
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	95,928.11	3,230.81
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	100,431.10	3,479.34
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	108,606.23	3,727.86
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	113,443.01	3,976.39
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	118,196.50	4,224.91
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	131,479.18	4,473.44
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	152,152.56	4,970.49
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	173,176.53	5,467.54
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	189,984.77	6,026.72
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	206,793.15	6,585.90
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	217,375.80	7,704.26
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	264,929.89	8,822.61
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	313,652.36	9,940.98
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	362,873.80	11,183.60
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	410,973.12	12,115.57

23 52 39 Fire-Tube Boilers (23 52)**23 52 39 13 Scotch Marine Boilers (23 52 39)****23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)**

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	73,120.29	1,366.89
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	78,706.31	1,491.15
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	85,485.41	1,615.41
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	89,310.86	1,863.94
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	93,581.60	1,988.19
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	97,960.01	2,112.46
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	100,983.73	2,174.59
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	106,605.51	2,236.72
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	120,536.71	2,485.24
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	136,973.70	2,733.77
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	150,240.23	3,013.36
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	163,504.20	3,292.95
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	172,441.38	3,852.13
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	209,732.21	4,411.31
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	227,041.16	4,970.49
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	267,340.17	5,529.67
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	324,732.47	6,088.85
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	379,919.91	6,648.03
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	432,754.68	7,207.21
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	483,468.64	7,766.39
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	752,947.68	8,325.57
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler	819,245.48	8,884.75
Note: Burnham Series 3. Fire tested factory assembled unit.				

23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)

23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler	67,764.82	1,366.89
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler	72,947.74	1,491.15
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler	79,226.10	1,615.41
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler	86,316.40	1,863.94
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler	90,049.67	1,988.19
Note: Burnham Series 3. Fire tested factory assembled unit.				
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler	93,777.12	2,112.46
Note: Burnham Series 3. Fire tested factory assembled unit.				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	97,264.87	2,174.59
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,225.30	2,236.72
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,650.21	2,485.24
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,097.22	2,733.77
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	150,377.10	3,013.36
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	163,654.42	3,292.95
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	172,598.28	3,852.13
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	209,925.83	4,411.31
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	227,248.13	4,970.49
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	267,587.21	5,529.67
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	325,032.92	6,088.85
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	380,273.77	6,648.03
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	433,158.62	7,207.21
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	483,922.65	7,766.39
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	753,665.37	8,325.57
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	820,030.61	8,884.75
23 52 39 13-0048 15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)				
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,464.28	1,366.89
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,226.72	1,491.15
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,219.48	1,615.41
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,709.25	1,863.94
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,706.24	1,988.19
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,697.41	2,112.46
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,445.55	2,174.59
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,194.54	2,236.72
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	125,263.74	2,485.24
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	142,355.04	2,733.77
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	156,142.34	3,013.36
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	169,923.75	3,292.95
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	179,148.03	3,852.13
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	217,937.75	4,411.31
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	235,887.65	4,970.49
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	277,815.76	5,529.67
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	337,561.56	6,088.85
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	395,009.02	6,648.03
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	450,007.02	7,207.21
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	502,790.72	7,766.39
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	783,683.04	8,325.57
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	852,716.73	8,884.75
23 52 39 13-0071 125 PSI Water Scotch Marine Boilers (23 52 39 13)				
Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.				
23 52 39 13-0072 125 PSI Gas Fired Water Scotch Marine Boilers (23 52 39 13-0071)				
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,568.00	1,491.15

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	97,149.43	1,615.41	
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,363.25	1,863.94	
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	112,185.94	1,988.19	
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	120,173.05	2,112.46	
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	126,528.41	2,174.59	
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,236.26	2,236.72	
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	146,158.16	2,485.24	
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	159,336.97	2,733.77	
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,488.87	3,013.36	
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	175,475.34	3,292.95	
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,427.54	3,852.13	
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	247,334.82	4,411.31	
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	266,579.98	4,970.49	
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	297,434.95	5,529.67	
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	360,438.93	6,088.85	
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	421,912.38	6,648.03	
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	480,766.11	7,207.21	
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	537,241.97	7,766.39	
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	838,487.45	8,325.57	
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	912,395.64	8,884.75	
23 52 39 13-0094 125 PSI Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)					
23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	80,185.17	1,491.15	
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,965.41	1,615.41	
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,814.64	1,863.94	
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,889.55	1,988.19	
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	114,955.29	2,112.46	
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	121,778.00	2,174.59	
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	133,131.64	2,236.72	
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	146,295.03	2,485.24	
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	159,483.86	2,733.77	
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,645.77	3,013.36	
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	175,638.92	3,292.95	
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,624.50	3,852.13	
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	247,565.16	4,411.31	
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	266,827.01	4,970.49	
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	297,712.03	5,529.67	
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	360,776.10	6,088.85	
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	422,309.64	6,648.03	
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	481,220.12	7,207.21	
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	537,749.40	7,766.39	
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	839,291.84	8,325.57	
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	913,272.28	8,884.75	

23 52 39 13-0116 125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	89,358.82	1,491.15	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	100,287.43	1,615.41	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	108,385.90	1,863.94	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	115,991.60	1,988.19	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	123,591.47	2,112.46	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	130,948.31	2,174.59	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	138,306.00	2,236.72	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	151,976.81	2,485.24	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	165,673.06	2,733.77	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	176,212.20	3,013.36	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	182,408.99	3,292.95	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	220,843.39	3,852.13	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	257,146.08	4,411.31	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	277,115.66	4,970.49	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	309,195.78	5,529.67	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	374,796.96	6,088.85	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	438,797.51	6,648.03	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	500,071.50	7,207.21	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	558,860.80	7,766.39	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	872,878.69	8,325.57	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler.....	949,840.67	8,884.75	
		Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.			
23 52 39 13-0138		150 PSI Steam Scotch Marine Boilers (23 52 39 13)			
		Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.			
23 52 39 13-0139		150 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0138)			
23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	100,528.77	1,491.15	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	109,190.68	1,615.41	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	113,867.39	1,863.94	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	119,269.81	1,988.19	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	124,813.29	2,112.46	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	128,671.59	2,174.59	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	135,905.77	2,236.72	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	153,719.41	2,485.24	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	174,783.29	2,733.77	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	191,695.24	3,013.36	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	208,604.63	3,292.95	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	219,551.47	3,852.13	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	267,361.28	4,411.31	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	289,165.93	4,970.49	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	340,912.97	5,529.67	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	414,856.56	6,088.85	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	485,907.60	6,648.03	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	553,934.97	7,207.21	
		Note: Burnham Series 3. Fire tested factory assembled unit.			
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler	619,190.56	7,766.39	
		Note: Burnham Series 3. Fire tested factory assembled unit.			

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	968,846.62	8,325.57	
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,054,334.16	8,884.75	
23 52 39 13-0161 150 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)					
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,040.97	1,491.15	
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	101,055.24	1,615.41	
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,971.59	1,863.94	
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,679.65	1,988.19	
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,378.54	2,112.46	
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,834.40	2,174.59	
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	132,807.82	2,236.72	
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	153,862.95	2,485.24	
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	174,946.86	2,733.77	
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,875.51	3,013.36	
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,801.59	3,292.95	
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	219,755.11	3,852.13	
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	267,611.65	4,411.31	
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	289,436.33	4,970.49	
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	341,233.45	5,529.67	
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	415,247.14	6,088.85	
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	486,368.28	6,648.03	
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	554,459.08	7,207.21	
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	619,778.10	7,766.39	
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	969,781.06	8,325.57	
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,055,355.30	8,884.75	
23 52 39 13-0183 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)					
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,803.64	1,491.15	
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,745.97	1,615.41	
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,283.96	1,863.94	
23 52 39 13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,332.52	1,988.19	
23 52 39 13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,371.92	2,112.46	
23 52 39 13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	133,171.62	2,174.59	
23 52 39 13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,968.84	2,236.72	
23 52 39 13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,861.88	2,485.24	
23 52 39 13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	181,780.36	2,733.77	
23 52 39 13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	199,366.65	3,013.36	
23 52 39 13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	216,953.72	3,292.95	
23 52 39 13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	228,271.11	3,852.13	
23 52 39 13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	278,027.15	4,411.31	
23 52 39 13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	300,666.37	4,970.49	
23 52 39 13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	354,529.89	5,529.67	
23 52 39 13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	431,538.04	6,088.85	
23 52 39 13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	505,523.45	6,648.03	
23 52 39 13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	576,361.67	7,207.21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0202 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	644,307.93	7,766.39
23 52 39 13-0203 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	1,008,801.15	8,325.57
23 52 39 13-0204 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	1,097,843.41	8,884.75

23 53 Heating Boiler Feedwater Equipment (23 50)

23 53 13 Boiler Feedwater Pumps (23 53)

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators (23 53)

23 53 16 00-0001 Boiler Feed System (23 53 16)

23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,317.37	1,493.59
23 53 16 00-0004 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,927.45	1,759.61
23 53 16 00-0005 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,502.57	1,821.25
23 53 16 00-0006 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,775.98	1,888.08
23 53 16 00-0007 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,290.21	2,017.85
23 53 16 00-0008 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	14,666.08	2,186.54
23 53 16 00-0009 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	16,523.38	2,335.78
23 53 16 00-0010 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	18,938.51	2,660.18
23 53 16 00-0011 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	20,827.63	2,854.83
23 53 16 00-0012 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	22,434.44	3,049.48

23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014 EA 10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,006.07	1,273.39
23 53 16 00-0015 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,455.60	1,493.59
23 53 16 00-0016 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,655.09	1,759.61
23 53 16 00-0017 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,580.93	1,821.25
23 53 16 00-0018 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,806.49	1,888.08
23 53 16 00-0019 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,411.94	2,017.85
23 53 16 00-0020 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	19,972.48	2,186.54
23 53 16 00-0021 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	20,506.66	2,335.78
23 53 16 00-0022 EA 183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	22,543.45	2,501.36
23 53 16 00-0023 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	24,252.78	2,660.18
23 53 16 00-0024 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	25,944.71	2,854.83
23 53 16 00-0025 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	27,988.21	3,049.48

23 53 16 00-0026 Boiler Feedwater System (23 53 16)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027 EA 1,380 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories.....	12,533.15	1,759.61
23 53 16 00-0028 EA 2,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories.....	16,292.15	2,015.90
23 53 16 00-0029 EA 4,300 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories.....	21,443.20	2,307.22
23 53 16 00-0030 EA 6,900 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories.....	25,777.06	2,661.48
23 53 16 00-0031 EA 8,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories.....	27,362.21	2,854.83
23 53 16 00-0032 EA 11,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	28,873.92	3,049.48
23 53 16 00-0033 EA 13,800 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	32,160.95	3,503.79
23 53 16 00-0034 EA 17,250 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	41,510.13	4,022.98
23 53 16 00-0035 EA 20,700 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	53,797.54	4,648.46
23 53 16 00-0036 EA 27,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	68,030.69	5,335.95
23 53 16 00-0037 EA 34,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	87,062.05	6,139.19

23 53 16 00-0038 Duplex Vacuum Condensate Pumps (23 53 16)

23 53 16 00-0039 EA 7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	34,239.73	1,038.12
23 53 16 00-0040 EA 9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	35,015.12	1,103.01
23 53 16 00-0041 EA 12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	35,907.89	1,167.89
23 53 16 00-0042 EA 18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump..... Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	34,681.64	1,232.77
23 53 16 00-0043 EA 28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	47,084.23	1,297.66
23 53 16 00-0044 EA 42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	49,561.69	1,362.54

23 54 Furnaces (23 50)

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces (23 54)

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 54 13 00-0001		Down Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)			
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,300.99	127.97	
		Note: Excludes cooling equipment.			
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	1,716.08	159.96	
		Note: Excludes cooling equipment.			
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace	2,215.70	191.97	
		Note: Excludes cooling equipment.			
23 54 13 00-0005		Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace (23 54 13)			
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace	1,300.99	127.97	
		Note: Excludes cooling equipment.			
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,553.45	143.97	
		Note: Excludes cooling equipment.			
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,698.46	159.96	
		Note: Excludes cooling equipment.			
23 54 13 00-0009	EA	>3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	1,780.06	175.97	
		Note: Excludes cooling equipment.			
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace	2,215.70	191.97	
		Note: Excludes cooling equipment.			
23 54 13 00-0011		Heating Coil For Air Handler/Electric Furnace (23 54 13)			
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	226.72	32.47	
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	259.07	35.71	
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	280.87	38.96	
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	381.93	42.20	
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	412.52	45.45	
23 54 16 Fuel-Fired Furnaces (23 54)					
23 54 16 13 Gas-Fired Furnaces (23 54 16)					
23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces (23 54 16 13)			
		Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.			
23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace (23 54 16 13-0001)			
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace	2,019.08	111.97	
		Note: Blower cooling capacity up to 3 tons.			
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace	2,153.51	127.97	
		Note: Blower cooling capacity up to 3 tons.			
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	2,483.47	143.97	
		Note: Blower cooling capacity up to 4 tons.			
23 54 16 13-0006	EA	100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace	2,905.59	175.97	
		Note: Blower cooling capacity up to 5 tons.			
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace	3,101.69	191.97	
		Note: Blower cooling capacity up to 5 tons.			
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)			
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,244.52	111.97	
		Note: Blower cooling capacity up to 3 tons.			
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,459.99	127.97	
		Note: Blower cooling capacity up to 3 tons.			
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,611.64	143.97	
		Note: Blower cooling capacity up to 3 tons.			
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	3,213.90	159.96	
		Note: Blower cooling capacity up to 3.5 tons.			
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	3,083.49	175.97	
		Note: Blower cooling capacity up to 5 tons.			
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	3,253.17	191.97	
		Note: Blower cooling capacity up to 5 tons.			
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace (23 54 16 13-0001)			
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	1,980.24	111.97	
		Note: Blower cooling capacity up to 4 tons.			
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	2,273.21	127.97	
		Note: Blower cooling capacity up to 4 tons.			
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	2,471.65	159.96	
		Note: Blower cooling capacity up to 4 tons.			
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace	2,641.31	175.97	
		Note: Blower cooling capacity up to 5 tons.			
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace (23 54 16 13-0001)			
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,589.75	111.97	
		Note: Blower cooling capacity up to 4 tons.			
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	2,731.25	127.97	
		Note: Blower cooling capacity up to 3 tons.			
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	3,041.83	143.97	
		Note: Blower cooling capacity up to 4 tons.			
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace	3,328.33	175.97	
		Note: Blower cooling capacity up to 4 tons.			

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
23 54 16 13-0025	EA 120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	3,568.46		191.97	
23 54 16 13-0026	Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace (23 54 16 13-0001)				
23 54 16 13-0027	EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,804.17		111.97	
23 54 16 13-0028	EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,905.15		127.97	
23 54 16 13-0029	EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,125.90		143.97	
23 54 16 13-0030	EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,143.52		143.97	
23 54 16 13-0031	EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,339.61		159.96	
23 54 16 13-0032	EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,468.77		175.97	
23 54 16 13-0033	EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,619.06		191.97	
23 54 16 13-0034	Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)				
23 54 16 13-0035	EA 40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,263.42		111.97	
23 54 16 13-0036	EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,383.78		127.97	
23 54 16 13-0037	EA 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,581.63		143.97	
23 54 16 13-0038	EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,583.39		143.97	
23 54 16 13-0039	EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,738.98		159.96	
23 54 16 13-0040	EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,788.86		175.97	
23 54 16 13-0041	EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,986.72		191.97	
23 54 16 13-0042	Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)				
23 54 16 13-0043	EA 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,281.03		111.97	
23 54 16 13-0044	EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,389.06		127.97	
23 54 16 13-0045	EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,660.89		143.97	
23 54 16 13-0046	EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,828.81		159.96	
23 54 16 13-0047	75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)				
23 54 16 13-0048	EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace Note: Includes burner, controls and electronic ignition.	2,146.99		95.98	
23 54 16 13-0049	EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace Note: Includes burner, controls and electronic ignition.	2,480.76		120.04	
23 54 16 13-0050	EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Includes burner, controls and electronic ignition.	1,944.43		95.98	
23 54 16 13-0051	EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Includes burner, controls and electronic ignition.	2,078.59		104.04	
23 54 16 13-0052	EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Includes burner, controls and electronic ignition.	2,063.03		111.97	
23 54 16 13-0053	EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Includes burner, controls and electronic ignition.	2,126.81		120.04	
23 54 16 13-0054	EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace..... Note: Includes burner, controls and electronic ignition.	2,200.92		120.04	
23 54 16 13-0055	Gas Fired Indoor Duct Furnace (23 54 16 13-0001)				
23 54 16 13-0056	Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)				
23 54 16 13-0057	EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	2,830.33		249.55	
23 54 16 13-0058	EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	3,150.80		307.14	
23 54 16 13-0059	EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	3,570.25		441.51	
23 54 16 13-0060	EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	4,026.76		499.10	
23 54 16 13-0061	EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	4,693.81		575.89	
23 54 16 13-0062	EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	5,154.23		691.06	
23 54 16 13-0063	EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	5,871.03		921.42	
23 54 16 13-0064	Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0055)				
23 54 16 13-0065	EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	3,172.10		249.55	
23 54 16 13-0066	EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	3,487.46		307.14	
23 54 16 13-0067	EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	4,032.74		441.51	
23 54 16 13-0068	EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	4,572.56		499.10	
23 54 16 13-0069	EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	5,635.79		575.89	
23 54 16 13-0070	EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	6,176.13		691.06	
23 54 16 13-0071	EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace Note: Includes burner, controls and electronic ignition.	6,836.80		921.42	
23 54 16 16	Oil-Fired Furnaces (23 54 16)				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 54 Furnaces**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 54 16 16-0001		Oil Fired Forced Air Furnaces (23 54 16 16) Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002		Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace.....	3,456.94	127.97
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	3,687.65	175.97
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace.....	4,257.74	207.96
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0006		Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace	4,015.27	175.97
		Note: Blower cooling capacity up to 3 tons.		
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace	4,058.70	207.96
		Note: Blower cooling capacity up to 5 tons.		
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	3,479.81	175.97
		Note: Blower cooling capacity up to 4 tons.		
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace	4,130.91	207.96
		Note: Blower cooling capacity up to 5 tons.		

23 54 19 Furnace Accessories (23 54)

23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	220.99	31.99
23 54 19 00-0002	EA	1" Furnace External Filter Rack	67.12	
23 54 19 00-0003	EA	Removal And Reinstallation Of Forced Air Furnace	592.47	
		Note: Includes storage and cleaning. Excludes ductwork.		

23 55 Fuel-Fired Heaters (23 50)**23 55 23 Gas-Fired Radiant Heaters (23 55)****23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)**

23 55 23 13-0001		Infrared Heaters-Radiant Energy (23 55 23 13) Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002		Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001) Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,030.91	129.77
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,143.20	142.74
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,220.11	142.74
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,528.21	171.29
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan.....	1,541.17	171.29

23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001)

Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.

23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,160.49	140.77
		For Stainless Steel Housing, Add	183.48	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,239.53	140.77
		For Stainless Steel Housing, Add	203.24	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,329.86	140.77
		For Stainless Steel Housing, Add	225.82	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,438.45	140.77
		For Stainless Steel Housing, Add	252.97	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,569.04	153.57
		For Stainless Steel Housing, Add	281.88	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	1,675.39	166.36
		For Stainless Steel Housing, Add	303.56	
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required.....	2,680.69	179.17
		For Stainless Steel Housing, Add	542.08	

23 55 23 13-0016 Gas Fired Tubular Infrared Heater (23 55 23 13-0001)

Note: Per Tube Length. Includes controls and supports.

23 55 23 13-0017 "U" Package (23 55 23 13-0016)

23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	98.47	6.49
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater.....	113.65	7.79
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater.....	138.82	9.08

23 55 23 13-0021 "S" Straight Package (23 55 23 13-0016)

23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	80.07	5.19
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater.....	101.86	6.49
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater.....	123.63	7.79

23 55 33 Fuel-Fired Unit Heaters (23 55)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 13 Oil-Fired Unit Heaters (23 55 33)					
23 55 33 13-0001			Oil Fired Unit Heater (23 55 33 13)		
23 55 33 13-0002			Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt, 1 phase (23 55 33 13-0001)		
23 55 33 13-0003	EA		97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt For 3 Phase, 460 Volt, Add	6,403.73 671.93	597.49
23 55 33 13-0004	EA		142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt For 3 Phase, 460 Volt, Add	6,880.28 718.01	657.24
23 55 33 13-0005	EA		188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt For 3 Phase, 460 Volt, Add	7,397.73 769.29	716.99
23 55 33 16 Gas-Fired Unit Heaters (23 55 33)					
23 55 33 16-0001			Gas Fired Unit Heaters (23 55 33 16)		
23 55 33 16-0002			Horizontal Fan Propelled Natural Gas Fired Unit Heaters, 115 Vol, 1 phase (23 55 33 16-0001) Note: 80 to 83 percent thermal efficiency, single stage, propeller unit, aluminum steel heat exchanger		
23 55 33 16-0003	EA		24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	2,911.10 825.11 215.51 59.11 94.83 141.62 317.73 175.00	224.06
23 55 33 16-0004	EA		36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	3,169.99 881.82 230.33 63.17 101.34 151.36 339.57 175.00	268.88
23 55 33 16-0005	EA		48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt For Blower Unit Model, Add For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	3,221.58 254.97 899.10 234.84 64.41 103.33 154.32 346.22 175.00	268.88
23 55 33 16-0006	EA		60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt For Blower Unit Model, Add For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	3,505.30 273.41 964.11 251.82 69.07 110.80 165.48 371.26 175.00	313.68
23 55 33 16-0007	EA		72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt For Blower Unit Model, Add For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	3,846.76 297.33 1,048.49 273.86 75.12 120.50 179.96 403.75 175.00	358.50
23 55 33 16-0008	EA		81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt For Blower Unit Model, Add For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	4,131.04 320.08 1,128.72 294.81 80.86 129.72 193.74 434.64 175.00	380.90
23 55 33 16-0009	EA		101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt For Blower Unit Model, Add For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	4,261.12 332.44 1,172.30 306.20 83.99 134.73 201.21 451.42 175.00	380.90
23 55 33 16-0010	EA		121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt For Blower Unit Model, Add For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	4,379.91 343.73 1,212.09 316.59 86.84 139.30 208.05 466.75 175.00	380.90

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,968.64	403.31
		For Blower Unit Model, Add	395.40	
		For 90 Percent Efficiency, Add	1,394.30	
		For Stainless Steel Heat Exchanger, Add	364.18	
		For 30 Degree, Downward Air Deflection Hood, Add	99.89	
		For 60 Degree, Downward Air Deflection Hood, Add	160.24	
		For 90 Degree, Downward Air Deflection Hood, Add	239.32	
		For 3 Phase, 460 Volt, Add	536.91	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,476.51	403.31
		For Blower Unit Model, Add	443.65	
		For 90 Percent Efficiency, Add	1,564.44	
		For Stainless Steel Heat Exchanger, Add	408.62	
		For 30 Degree, Downward Air Deflection Hood, Add	112.08	
		For 60 Degree, Downward Air Deflection Hood, Add	179.79	
		For 90 Degree, Downward Air Deflection Hood, Add	268.52	
		For 3 Phase, 460 Volt, Add	602.42	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	5,897.67	403.31
		For Blower Unit Model, Add	483.66	
		For 90 Percent Efficiency, Add	1,705.53	
		For Stainless Steel Heat Exchanger, Add	445.47	
		For 30 Degree, Downward Air Deflection Hood, Add	122.19	
		For 60 Degree, Downward Air Deflection Hood, Add	196.01	
		For 90 Degree, Downward Air Deflection Hood, Add	292.74	
		For 3 Phase, 460 Volt, Add	656.75	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,073.39	448.13
		For Blower Unit Model, Add	586.82	
		For 90 Percent Efficiency, Add	2,069.32	
		For Stainless Steel Heat Exchanger, Add	540.49	
		For 30 Degree, Downward Air Deflection Hood, Add	148.25	
		For 60 Degree, Downward Air Deflection Hood, Add	237.82	
		For 90 Degree, Downward Air Deflection Hood, Add	355.18	
		For 3 Phase, 460 Volt, Add	796.84	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	8,027.20	448.13
		For Blower Unit Model, Add	677.43	
		For 90 Percent Efficiency, Add	2,388.84	
		For Stainless Steel Heat Exchanger, Add	623.95	
		For 30 Degree, Downward Air Deflection Hood, Add	171.14	
		For 60 Degree, Downward Air Deflection Hood, Add	274.54	
		For 90 Degree, Downward Air Deflection Hood, Add	410.03	
		For 3 Phase, 460 Volt, Add	919.88	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,603.97	492.93
		For Blower Unit Model, Add	723.72	
		For 90 Percent Efficiency, Add	2,552.06	
		For Stainless Steel Heat Exchanger, Add	666.58	
		For 30 Degree, Downward Air Deflection Hood, Add	182.83	
		For 60 Degree, Downward Air Deflection Hood, Add	293.30	
		For 90 Degree, Downward Air Deflection Hood, Add	438.04	
		For 3 Phase, 460 Volt, Add	982.73	
		For Quick-Swivel Flush Mount With Brackets, Add	175.00	

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters (23 55 33 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	746.15	
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	1,005.68	

23 57 Heat Exchangers for HVAC (23 50)**23 57 13 Steam-To-Steam Heat Exchangers (23 57)****23 57 13 00-0001 Steam Generator Heat Exchanger (23 57 13)**

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	22,878.99	2,076.24
23 57 13 00-0003	EA	300 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	30,851.14	2,206.01
23 57 13 00-0004	EA	525 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	41,560.45	2,721.22

23 57 16 Steam-To-Water Heat Exchangers (23 57)**23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)**

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,662.47	324.42
		For Bronze Head And Tube Sheet, Add	1,003.46	
		For Copper Nickel Tubes, Add	222.99	
		For Double Wall Tube Bundles, Add	334.49	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,895.79	324.42
		For Bronze Head And Tube Sheet, Add	1,519.52	
		For Copper Nickel Tubes, Add	337.67	
		For Double Wall Tube Bundles, Add	506.51	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,873.18	454.18
		For Bronze Head And Tube Sheet, Add	2,350.96	
		For Copper Nickel Tubes, Add	522.44	
		For Double Wall Tube Bundles, Add	783.65	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	9,261.63 3,583.79 796.40 1,194.60	454.18
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	12,198.21 4,759.27 1,057.62 1,586.42	534.64
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	16,031.08 6,250.12 1,388.92 2,083.37	674.61
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	19,795.54 7,654.97 1,701.10 2,551.66	1,012.54
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	29,984.72 11,926.84 2,650.41 3,975.61	1,012.54

23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)
23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)
23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	4,198.31	324.42
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	5,583.48	324.42
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	7,444.65	389.30
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	10,106.82	421.74
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	11,059.13	421.74
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	14,413.85	454.18
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	15,193.01	454.18
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	18,785.59	519.07
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	22,984.20	583.94
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	23,849.93	583.94
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	29,528.48	683.47
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	35,641.07	751.69
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	41,147.47	819.91

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)
23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	3,172.17 273.96 410.94	324.42
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	4,405.49 388.64 582.96	324.42
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	6,574.01 592.52 888.78	454.18
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	9,402.47 853.74 1,280.61	454.18
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	11,640.83 1,051.24 1,576.87	519.07
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	15,509.96 1,414.40 2,121.60	519.07
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	19,222.39 1,758.44 2,637.67	506.27
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	23,905.77 2,191.68 3,287.53	506.27
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	30,564.54 2,803.32 4,204.98	506.27

23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)
23 57 19 23-0001 Heat Exchanger Refrigerant To Water (23 57 19 23)

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	3,585.76 306.67 460.00	259.53
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	9,538.22 867.31 1,300.97	432.51
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	12,851.32 1,172.49 1,758.73	564.22

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 50 Central Heating Equipment****23 57 Heat Exchangers for HVAC**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	13,790.64	682.95
		<i>For Copper Nickel Tubes, Add</i>	1,242.76	
		<i>For Double Wall Tube Bundles, Add</i>	1,864.13	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	16,628.30	804.08
		<i>For Copper Nickel Tubes, Add</i>	1,499.42	
		<i>For Double Wall Tube Bundles, Add</i>	2,249.13	

23 60 Central Cooling Equipment ⁽²³⁾

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 61 Refrigerant Compressors ^(23 60)**23 61 16 Reciprocating Refrigerant Compressors** ^(23 61)**23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors** ^(23 61 16)

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	951.41	123.02
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	1,145.99	123.02
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,564.24	153.72
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,965.57	153.72
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	2,208.80	153.72
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,235.27	159.93
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,249.46	159.93
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,472.72	172.23
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	2,659.48	184.53
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,902.98	196.83
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	3,320.53	196.83
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,734.28	209.13
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	3,807.56	221.44
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,868.47	227.53
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	5,335.54	1,191.10
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	8,292.82	1,361.20
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	11,250.28	1,531.42
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	15,073.94	1,658.92
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	18,897.98	1,786.66
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	22,677.58	2,143.99
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	27,446.52	2,304.37
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	32,034.98	2,436.35
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	42,233.17	2,748.73
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	50,044.06	2,820.82
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	62,988.27	2,892.79
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	66,214.66	2,928.89
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	69,304.49	2,964.87
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	75,085.71	3,036.85
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	80,328.88	3,109.05
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	85,656.38	3,436.96
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	89,823.49	3,513.89
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	93,405.87	3,558.62
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	96,546.22	3,668.72
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	99,099.87	3,745.63
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	101,691.25	3,848.27
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	104,189.61	3,889.66
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	106,723.78	3,954.03
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	109,576.18	4,220.69
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	112,365.01	4,448.22

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors ^(23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons ^(23 61 16 00-0041)

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,144.19	123.02
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,182.42	123.02
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,282.15	153.72
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,320.35	153.72
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,339.46	153.72
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,382.33	159.93
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,424.38	159.93
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,529.25	172.23
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,630.31	184.53
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,769.55	196.83
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,846.00	196.83
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,985.23	209.13
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,353.84	221.44
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,576.32	227.53

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors ^(23 61 16 00-0041)

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,263.30	612.57
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,171.57	765.70
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	10,272.68	932.19
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	13,074.80	1,071.99

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,440.54	1,191.10
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	16,012.17	1,339.99
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	20,691.37	1,531.42
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	26,570.73	1,531.42
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	32,807.44	1,786.66
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	36,926.13	1,914.28
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	39,013.92	2,006.13
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	40,111.62	2,105.24
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,245.58	2,113.40
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	43,325.04	2,212.85
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	45,424.54	2,304.37
23 61 19 Scroll Refrigerant Compressors (23 61)				
23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)				
23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,544.40	196.60
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,619.51	209.25
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,659.61	221.32
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,692.18	227.65
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	2,096.82	287.42
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	3,985.33	431.14
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	4,560.49	503.00
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	5,110.24	574.86
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	6,175.65	689.83
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	7,279.31	776.05
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	8,535.02	862.29
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	12,024.54	1,149.71
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	13,565.20	1,437.14
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	14,515.98	1,724.57
23 61 23 Rotary-Screw Refrigerant Compressors (23 61)				
23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)				
23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	46,914.42	2,928.89
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	48,339.41	2,964.87
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	51,428.29	3,036.85
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	54,485.13	3,109.05
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	58,685.61	3,436.96
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	62,265.98	3,513.89
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	65,766.49	3,558.62
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	69,394.58	3,668.72
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	72,978.26	3,745.63
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	78,016.59	3,848.27
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	81,543.93	3,889.66
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	83,188.31	3,954.03
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	93,370.20	4,220.69
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	103,409.61	4,448.22
23 62 Packaged Compressor and Condenser Units (23 60)				
23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)				
23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)				
Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.				
23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	7,730.96	1,062.33
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	17,085.19	1,138.21
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	29,964.62	1,214.09
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	35,488.26	1,289.98
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	42,093.64	1,365.86
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	46,650.50	1,517.62
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	47,971.40	1,675.47
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	51,688.10	1,968.00
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	55,153.53	2,132.01
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	63,208.48	2,296.01
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	71,459.89	2,542.01
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	75,525.78	2,642.28
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	85,268.52	2,807.43
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	93,198.60	2,972.57
23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)				
Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.				
23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	7,381.62	1,062.33
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	15,096.87	1,138.21
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	23,532.11	1,214.09
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,414.62	1,289.98

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 62 Packaged Compressor and Condenser Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	27,297.14	1,365.86
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	32,347.65	1,517.62
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	36,803.95	1,675.47
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	47,009.71	1,968.00
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	52,721.51	2,132.01
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	57,060.02	2,296.01
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	65,616.95	2,542.01
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	69,497.51	2,642.28
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	76,233.66	2,807.43
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	86,928.45	2,972.57

23 62 13 00-0031 Packaged Chiller With Remote Air-Cooled Condenser (23 62 13)

Note: With remote air-cooled condenser rated by cooling capacity. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	50,697.00	9,561.97
		For Gas Fired Engine Driven, Add	8,705.83	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	57,268.64	10,078.82
		For Gas Fired Engine Driven, Add	9,942.67	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	66,506.54	10,968.03
		For Gas Fired Engine Driven, Add	11,656.92	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	74,384.97	11,653.61
		For Gas Fired Engine Driven, Add	13,129.83	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	93,055.60	12,859.13
		For Gas Fired Engine Driven, Add	16,683.21	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	102,702.71	13,318.34
		For Gas Fired Engine Driven, Add	18,543.78	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	111,616.33	14,342.85
		For Gas Fired Engine Driven, Add	20,172.91	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	135,804.74	15,346.35
		For Gas Fired Engine Driven, Add	24,831.40	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	137,416.16	15,646.27
		For Gas Fired Engine Driven, Add	25,137.46	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	139,885.24	16,326.61
		For Gas Fired Engine Driven, Add	25,529.28	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	155,284.74	17,068.75
		For Gas Fired Engine Driven, Add	28,497.92	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	171,873.44	17,881.58
		For Gas Fired Engine Driven, Add	31,693.80	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	190,633.35	18,775.60
		For Gas Fired Engine Driven, Add	35,311.74	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	206,167.56	19,763.83
		For Gas Fired Engine Driven, Add	38,270.43	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air-Cooled Condensers.....	227,575.28	20,861.78
		For Gas Fired Engine Driven, Add	42,387.35	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)**23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)**

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	8,459.98	830.52
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	12,831.10	1,212.91
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	14,690.07	1,314.49
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	18,215.63	1,577.39
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	19,678.48	1,855.83
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	41,677.46	2,740.62
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	51,725.11	3,307.69
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor.....	71,534.06	3,619.12

23 63 Refrigerant Condensers (23 60)**23 63 13 Air-Cooled Refrigerant Condensers (23 63)****23 63 13 00-0001 Air-Cooled Condensing Units (23 63 13)**

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA	6 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	7,511.49	830.52
		For >10 To 25, Deduct	-187.61	
		For >25 To 50, Deduct	-312.68	
		For >50, Deduct	-500.29	
		For Low Ambient Protection, 0 Degree F, Add	1,127.44	
		For Winter Start Control, Add	375.93	
23 63 13 00-0003	EA	7.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	8,998.07	985.87
		For >10 To 25, Deduct	-225.13	
		For >25 To 50, Deduct	-375.22	
		For >50, Deduct	-600.35	
		For Low Ambient Protection, 0 Degree F, Add	973.78	
		For Winter Start Control, Add	299.46	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0004 EA 10 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,709.90	1,212.91
For >10 To 25, Deduct	-296.14	
For >25 To 50, Deduct	-493.57	
For >50, Deduct	-789.72	
For Low Ambient Protection, 0 Degree F, Add	1,150.61	
For Winter Start Control, Add	381.27	
23 63 13 00-0005 EA 12.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	14,528.32	1,261.91
For >10 To 25, Deduct	-378.49	
For >25 To 50, Deduct	-630.82	
For >50, Deduct	-1,009.31	
For Low Ambient Protection, 0 Degree F, Add	1,361.14	
For Winter Start Control, Add	443.53	
23 63 13 00-0006 EA 15 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	17,352.85	1,314.49
For >10 To 25, Deduct	-460.84	
For >25 To 50, Deduct	-768.06	
For >50, Deduct	-1,228.90	
For Low Ambient Protection, 0 Degree F, Add	1,419.58	
For Winter Start Control, Add	352.78	
23 63 13 00-0007 EA 20 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	22,384.74	1,577.39
For >10 To 25, Deduct	-599.84	
For >25 To 50, Deduct	-999.74	
For >50, Deduct	-1,599.58	
For Low Ambient Protection, 0 Degree F, Add	1,797.18	
For Winter Start Control, Add	438.95	
23 63 13 00-0008 EA 25 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	25,484.66	1,696.89
For >10 To 25, Deduct	-687.48	
For >25 To 50, Deduct	-1,145.79	
For >50, Deduct	-1,833.27	
For Low Ambient Protection, 0 Degree F, Add	1,902.57	
For Winter Start Control, Add	486.04	
23 63 13 00-0009 EA 30 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	29,243.93	1,852.24
For >10 To 25, Deduct	-793.24	
For >25 To 50, Deduct	-1,322.07	
For >50, Deduct	-2,115.31	
For Low Ambient Protection, 0 Degree F, Add	2,022.70	
For Winter Start Control, Add	544.67	
23 63 13 00-0010 EA 40 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	40,254.14	2,180.04
For >10 To 25, Deduct	-1,106.76	
For >25 To 50, Deduct	-1,844.60	
For >50, Deduct	-2,951.37	
For Low Ambient Protection, 0 Degree F, Add	2,685.12	
For Winter Start Control, Add	705.13	
23 63 13 00-0011 EA 50 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	48,862.24	2,740.62
For >10 To 25, Deduct	-1,339.07	
For >25 To 50, Deduct	-2,231.78	
For >50, Deduct	-3,570.85	
For Low Ambient Protection, 0 Degree F, Add	2,842.08	
For Winter Start Control, Add	645.84	
23 63 13 00-0012 EA 60 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	56,336.66	3,024.80
For >10 To 25, Deduct	-1,553.85	
For >25 To 50, Deduct	-2,589.75	
For >50, Deduct	-4,143.60	
For Low Ambient Protection, 0 Degree F, Add	3,207.23	
For Winter Start Control, Add	713.15	
23 63 13 00-0013 EA 80 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	73,093.28	3,307.69
For >10 To 25, Deduct	-2,039.77	
For >25 To 50, Deduct	-3,399.61	
For >50, Deduct	-5,439.38	
For Low Ambient Protection, 0 Degree F, Add	3,994.96	
For Winter Start Control, Add	850.07	
23 63 13 00-0014 EA 100 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	101,000.02	2,978.21
For >10 To 25, Deduct	-2,848.12	
For >25 To 50, Deduct	-4,746.86	
For >50, Deduct	-7,594.98	
For Low Ambient Protection, 0 Degree F, Add	4,363.81	
For Winter Start Control, Add	1,080.96	
23 63 13 00-0015 EA 120 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	124,625.08	3,079.17
For >10 To 25, Deduct	-3,550.70	
For >25 To 50, Deduct	-5,917.84	
For >50, Deduct	-9,468.54	
For Low Ambient Protection, 0 Degree F, Add	5,117.77	

23 63 13 00-0016 Air-Cooled Condensing Units (23 63 13)

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.

23 63 13 00-0017 EA 1.5 Ton, 14 SEER, Air-Cooled Condensing Unit.....	2,647.17	416.22
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
For >10 To 25, Deduct	-60.69	
For >25 To 50, Deduct	-101.14	
For >50, Deduct	-161.83	
For 15 SEER, Add	485.48	
For 16 SEER, Add	829.36	
For 18 SEER, Add	1,739.64	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 63 Refrigerant Condensers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 63 13 00-0018	EA	2 Ton, 14 SEER, Air-Cooled Condensing Unit.....	2,845.41	462.69
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-64.55	
		For >25 To 50, Deduct	-107.59	
		For >50, Deduct	-172.14	
		For 15 SEER, Add	516.41	
		For 16 SEER, Add	882.21	
		For 18 SEER, Add	1,850.48	
23 63 13 00-0019	EA	2.5 Ton, 14 SEER, Air-Cooled Condensing Unit.....	3,017.46	508.96
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-67.63	
		For >25 To 50, Deduct	-112.72	
		For >50, Deduct	-180.35	
		For 15 SEER, Add	541.05	
		For 16 SEER, Add	924.30	
		For 18 SEER, Add	1,938.78	
23 63 13 00-0020	EA	3 Ton, 14 SEER, Air-Cooled Condensing Unit.....	3,469.11	554.95
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-79.10	
		For >25 To 50, Deduct	-131.83	
		For >50, Deduct	-210.93	
		For 15 SEER, Add	632.80	
		For 16 SEER, Add	1,081.04	
		For 18 SEER, Add	2,267.54	
23 63 13 00-0021	EA	3.5 Ton, 14 SEER, Air-Cooled Condensing Unit.....	3,671.73	601.50
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-83.10	
		For >25 To 50, Deduct	-138.50	
		For >50, Deduct	-221.59	
		For 15 SEER, Add	664.78	
		For 16 SEER, Add	1,135.67	
		For 18 SEER, Add	2,382.14	
23 63 13 00-0022	EA	4 Ton, 14 SEER, Air-Cooled Condensing Unit.....	4,094.99	647.77
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-93.71	
		For >25 To 50, Deduct	-156.19	
		For >50, Deduct	-249.91	
		For 15 SEER, Add	749.72	
		For 16 SEER, Add	1,280.77	
		For 18 SEER, Add	2,686.49	
23 63 13 00-0023	EA	5 Ton, 14 SEER, Air-Cooled Condensing Unit.....	4,626.28	693.69
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	-107.57	
		For >25 To 50, Deduct	-179.29	
		For >50, Deduct	-286.86	
		For 15 SEER, Add	860.58	
		For 16 SEER, Add	1,470.15	
		For 18 SEER, Add	3,083.74	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit (23 63 13)

Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air-Cooled Condensing Unit.....	426.58	
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air-Cooled Condensing Unit.....	1,599.69	
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air-Cooled Condensing Unit.....	2,510.49	

23 63 23 Water-Cooled Refrigerant Condensers (23 63)**23 63 23 00-0001 Water Cooled Condensers (23 63 23)**

Note: Steel shell and copper tube type. Includes equipment rigging.

23 63 23 00-0002	EA	15 Ton Water Cooled Condenser, Shell And Tube Type.....	22,690.11	451.84
		For Saddle Legs, Add	1,749.41	
23 63 23 00-0003	EA	20 Ton Water Cooled Condenser, Shell And Tube Type.....	29,467.04	607.05
		For Saddle Legs, Add	2,269.51	
23 63 23 00-0004	EA	25 Ton Water Cooled Condenser, Shell And Tube Type.....	38,617.99	758.81
		For Saddle Legs, Add	2,978.73	
		For Dual Compressor, Add	1,873.41	
23 63 23 00-0005	EA	30 Ton Water Cooled Condenser, Shell And Tube Type.....	40,332.67	923.22
		For Saddle Legs, Add	3,095.18	
		For Dual Compressor, Add	1,946.65	
23 63 23 00-0006	EA	40 Ton Water Cooled Condenser, Shell And Tube Type.....	48,056.58	1,180.76
		For Saddle Legs, Add	3,678.32	
		For Dual Compressor, Add	2,313.41	
23 63 23 00-0007	EA	50 Ton Water Cooled Condenser, Shell And Tube Type.....	54,930.77	1,327.92
		For Saddle Legs, Add	4,207.04	
		For Dual Compressor, Add	2,645.94	
23 63 23 00-0008	EA	60 Ton Water Cooled Condenser, Shell And Tube Type.....	67,004.36	1,517.62
		For Saddle Legs, Add	5,144.04	
		For Dual Compressor, Add	3,235.25	
23 63 23 00-0009	EA	75 Ton Water Cooled Condenser, Shell And Tube Type.....	82,883.86	1,770.55
		For Saddle Legs, Add	6,376.00	
		For Dual Compressor, Add	4,010.06	
23 63 23 00-0010	EA	100 Ton Water Cooled Condenser, Shell And Tube Type.....	134,087.10	2,284.48
		For Saddle Legs, Add	10,384.85	
		For Dual Compressor, Add	6,531.35	
23 63 23 00-0011	EA	120 Ton Water Cooled Condenser, Shell And Tube Type.....	153,708.16	2,503.73
		For Saddle Legs, Add	11,918.21	
		For Dual Compressor, Add	7,495.73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 63 23 00-0012 EA 150 Ton Water Cooled Condenser, Shell And Tube Type.....	182,972.95	2,723.66
For Saddle Legs, Add	14,218.24	
For Dual Compressor, Add	8,942.29	

23 64 Packaged Water Chillers ^(23 60)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers ^(23 64)

23 64 13 16 Indirect-Fired Absorption Water Chillers ^(23 64 13)

23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers ^(23 64 13 16)

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002 EA 50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	219,052.08	13,045.50
For Two Stage Unit, Add	142,900.06	
23 64 13 16-0003 EA 100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	276,424.72	15,012.98
For Two Stage Unit, Add	181,486.93	
23 64 13 16-0004 EA 150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	350,116.17	16,138.94
For Two Stage Unit, Add	232,170.16	
23 64 13 16-0005 EA 200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	388,817.44	17,264.92
For Two Stage Unit, Add	258,360.28	
23 64 13 16-0006 EA 250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	434,043.53	17,765.35
For Two Stage Unit, Add	289,618.19	
23 64 13 16-0007 EA 300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	488,753.64	18,390.89
For Two Stage Unit, Add	327,414.83	
23 64 13 16-0008 EA 350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	524,024.11	19,016.43
For Two Stage Unit, Add	351,603.73	
23 64 13 16-0009 EA 400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	623,224.08	20,017.30
For Two Stage Unit, Add	420,243.02	
23 64 13 16-0010 EA 500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	697,373.85	20,642.84
For Two Stage Unit, Add	471,647.42	
23 64 13 16-0011 EA 650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	844,422.32	21,268.38
For Two Stage Unit, Add	574,080.92	
23 64 13 16-0012 EA 750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	915,463.66	22,769.67
For Two Stage Unit, Add	622,608.83	
23 64 13 16-0013 EA 850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	981,394.92	24,145.86
For Two Stage Unit, Add	667,659.75	
23 64 13 16-0014 EA 950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	1,052,094.46	25,476.26
For Two Stage Unit, Add	716,085.12	
23 64 13 16-0015 EA 1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	1,204,118.79	26,097.63
For Two Stage Unit, Add	821,955.33	
23 64 13 16-0016 EA 1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	1,318,755.06	27,588.93
For Two Stage Unit, Add	901,057.41	
23 64 13 16-0017 EA 1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	1,539,936.64	28,831.66
For Two Stage Unit, Add	1,054,890.30	
23 64 13 16-0018 EA 1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	1,799,737.78	29,701.59
For Two Stage Unit, Add	1,236,055.19	

23 64 16 Centrifugal Water Chillers ^(23 64)

23 64 16 13 Air-Cooled Centrifugal Water Chillers ^(23 64 16)

23 64 16 13-0001 Magnetic Bearing, Air-Cooled Centrifugal Chillers ^(23 64 16 13)

Note: SMARTD air-cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.

23 64 16 13-0002 EA 85 Ton, Single Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller.....	246,783.01	6,931.50
For 5 Year Parts Only Compressor Warranty, Add	6,849.00	
23 64 16 13-0003 EA 175 Ton, Two Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller.....	350,234.91	9,294.90
For 5 Year Parts Only Compressor Warranty, Add	13,698.00	
23 64 16 13-0004 EA 240 Ton, Three Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller.....	437,889.64	9,830.12
For 5 Year Parts Only Compressor Warranty, Add	20,547.00	

23 64 16 16 Water-Cooled Centrifugal Water Chillers ^(23 64 16)

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers ^(23 64 16 16)

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002 EA 180 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	166,663.39	7,138.04
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Voltage Motor Rating, Add	6,207.89	
23 64 16 16-0003 EA 200 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	182,171.21	7,318.82
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Voltage Motor Rating, Add	6,816.44	
23 64 16 16-0004 EA 225 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	200,913.03	7,504.86
Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
For 208/230 Voltage Motor Rating, Add	7,554.31	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**
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23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	219,208.79 8,266.80	7,805.75
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	237,095.12 8,953.94	8,246.50
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	254,327.73 9,615.70	8,675.25
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	270,999.76 10,252.01	9,150.91
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	287,000.27 10,863.04	9,602.17
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	302,300.83 11,448.62	10,013.65
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	316,828.07 12,008.83	10,338.56
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	331,021.80 12,543.68	10,850.75
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	344,431.21 13,053.15	11,269.36
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	357,197.62 13,537.26	11,682.59
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	369,180.20 13,995.99	12,002.62
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	390,896.24 14,837.29	12,428.24
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	409,825.72 15,577.11	12,698.47
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	426,790.73 16,215.38	13,326.14
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	441,234.01 16,752.17	13,963.32
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	453,246.94 17,187.64	14,664.30
23 64 16 16-0021	EA	800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	481,423.92 18,269.26	15,371.78
23 64 16 16-0022	EA	850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	509,401.97 19,343.08	16,077.02
23 64 16 16-0023	EA	900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	537,290.03 20,408.93	16,849.93
23 64 16 16-0024	EA	950 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	565,102.73 21,466.76	17,700.92
23 64 16 16-0025	EA	1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	592,187.53 22,516.56	18,420.20
23 64 16 16-0026	EA	1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	642,525.48 24,349.93	21,254.16
23 64 16 16-0027	EA	1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	690,977.64 26,107.35	24,096.19
23 64 16 16-0028	EA	1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	736,669.08 27,788.66	26,398.37
23 64 16 16-0029	EA	1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	779,051.70 29,393.87	27,815.84
23 64 16 16-0030	EA	1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	819,452.68 30,922.74	29,186.96
23 64 16 16-0031	EA	1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	857,135.13 32,376.26	30,033.03
23 64 16 16-0032	EA	1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	894,894.72 33,753.45	32,128.29
23 64 16 16-0033	EA	1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	929,912.42 35,054.53	33,695.52
23 64 16 16-0034	EA	1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Voltage Motor Rating, Add</i>	963,768.24 36,279.51	35,728.90

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0035	EA	2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	994,521.61 37,428.53	37,004.95
23 64 16 16-0036	EA	2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	1,059,085.68 39,968.32	39,099.60
23 64 16 16-0037	EA	2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	1,116,685.16 42,032.79	41,445.53
23 64 16 16-0038 Magnetic Bearing, Water Cooled Centrifugal Water Chillers (23 64 16 16)				
Note: SMARTD water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.				
23 64 16 16-0039	EA	60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	155,485.06 6,849.00 4,456.76	6,005.19
23 64 16 16-0040	EA	130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	195,748.14 6,849.00 4,456.76	6,979.78
23 64 16 16-0041	EA	125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	245,112.91 13,698.00 4,456.76	7,138.04
23 64 16 16-0042	EA	240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	319,148.19 13,698.00 4,456.76	8,246.50
23 64 16 16-0043	EA	210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	321,583.81 20,547.00 4,456.76	7,805.75
23 64 16 16-0044	EA	355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	482,384.93 20,547.00 4,456.76	10,338.56
23 64 16 16-0045	EA	299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	427,396.21 25,113.00 6,207.63	9,602.17
23 64 16 16-0046	EA	540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	593,789.26 25,113.00 6,207.63	12,428.24
23 64 16 16-0047	EA	425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	531,887.99 29,679.00 6,207.63	10,850.75
23 64 16 16-0048	EA	650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	711,822.07 29,679.00 6,207.63	13,326.14
23 64 16 16-0049	EA	510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	633,279.51 34,245.00 6,525.97	12,002.62
23 64 16 16-0050	EA	800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... For 5 Year Parts Only Compressor Warranty, Add For Marine Water Box Connections, Add	815,934.53 34,245.00 6,525.97	15,371.78
23 64 23 Scroll Water Chillers (23 64 23)				
23 64 23 13 Air-Cooled Scroll Water Chillers (23 64 23)				
23 64 23 13-0001 Packaged Air-Cooled Scroll Water Chillers (23 64 23 13)				
Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, isolation valves, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, freeze protection thermostat, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.				
23 64 23 13-0002	EA	10 Ton Packaged Air-Cooled Scroll Water Chiller	31,832.55	1,888.30
23 64 23 13-0003	EA	15 Ton Packaged Air-Cooled Scroll Water Chiller	46,701.79	1,912.51
23 64 23 13-0004	EA	18 Ton Packaged Air-Cooled Scroll Water Chiller	50,972.75	2,045.66
23 64 23 13-0005	EA	22 Ton Packaged Air-Cooled Scroll Water Chiller	56,084.74	2,190.91
23 64 23 13-0006	EA	25 Ton Packaged Air-Cooled Scroll Water Chiller	56,988.24	2,336.17
23 64 23 13-0007	EA	30 Ton Packaged Air-Cooled Scroll Water Chiller	60,128.15	2,505.63
23 64 23 13-0008	EA	40 Ton Packaged Air-Cooled Scroll Water Chiller	68,768.38	2,711.41
23 64 23 13-0009	EA	45 Ton Packaged Air-Cooled Scroll Water Chiller	73,851.18	2,941.40
23 64 23 13-0010	EA	50 Ton Packaged Air-Cooled Scroll Water Chiller	77,992.54	3,026.13
23 64 23 13-0011	EA	55 Ton Packaged Air-Cooled Scroll Water Chiller	81,458.75	3,159.28
23 64 23 13-0012	EA	60 Ton Packaged Air-Cooled Scroll Water Chiller	84,194.43	3,268.21
23 64 23 13-0013	EA	70 Ton Packaged Air-Cooled Scroll Water Chiller	97,144.62	3,679.77
23 64 23 13-0014	EA	80 Ton Packaged Air-Cooled Scroll Water Chiller	104,559.24	4,030.80
23 64 23 13-0015	EA	90 Ton Packaged Air-Cooled Scroll Water Chiller	106,471.64	4,042.91
23 64 23 13-0016	EA	100 Ton Packaged Air-Cooled Scroll Water Chiller	112,679.60	4,055.00
23 64 23 13-0017	EA	110 Ton Packaged Air-Cooled Scroll Water Chiller	118,724.17	4,067.11
23 64 23 13-0018	EA	120 Ton Packaged Air-Cooled Scroll Water Chiller	124,843.90	4,079.22
23 64 23 13-0019	EA	130 Ton Packaged Air-Cooled Scroll Water Chiller	131,277.17	4,091.32
23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)				

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 64 Packaged Water Chillers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 64 23 16-0001		Packaged Water Cooled Scroll Water Chillers (23 64 23 16)		
Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.				
23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	39,234.46	2,314.72
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	45,175.80	2,384.65
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	50,120.25	2,617.85
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	61,618.36	3,329.58
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	68,169.48	3,648.89
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	71,611.73	4,031.56

23 64 26 Rotary-Screw Water Chillers (23 64)**23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers** (23 64 26)

23 64 26 13-0001	Packaged Air-Cooled Rotary-Screw Water Chillers (23 64 26 13)			
Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.				
23 64 26 13-0002	EA	70 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	112,353.29	4,636.02
		For Aluminum Fins Instead Of Copper, Deduct	-1,581.08	
		For 208/230 Voltage Motor Rating, Add	4,216.21	
23 64 26 13-0003	EA	80 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	120,751.26	5,035.47
		For Aluminum Fins Instead Of Copper, Deduct	-1,698.15	
		For 208/230 Voltage Motor Rating, Add	4,528.41	
23 64 26 13-0004	EA	90 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	127,020.45	5,253.35
		For Aluminum Fins Instead Of Copper, Deduct	-1,787.11	
		For 208/230 Voltage Motor Rating, Add	4,765.62	
23 64 26 13-0005	EA	100 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	131,716.27	5,652.80
		For Aluminum Fins Instead Of Copper, Deduct	-1,848.65	
		For 208/230 Voltage Motor Rating, Add	4,929.72	
23 64 26 13-0006	EA	110 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	141,359.70	5,931.21
		For Aluminum Fins Instead Of Copper, Deduct	-1,987.13	
		For 208/230 Voltage Motor Rating, Add	5,299.00	
23 64 26 13-0007	EA	120 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	150,217.69	6,052.25
		For Aluminum Fins Instead Of Copper, Deduct	-2,117.09	
		For 208/230 Voltage Motor Rating, Add	5,645.57	
23 64 26 13-0008	EA	130 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	158,570.03	6,258.02
		For Aluminum Fins Instead Of Copper, Deduct	-2,237.84	
		For 208/230 Voltage Motor Rating, Add	5,967.56	
23 64 26 13-0009	EA	140 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	163,640.66	6,391.18
		For Aluminum Fins Instead Of Copper, Deduct	-2,310.81	
		For 208/230 Voltage Motor Rating, Add	6,162.16	
23 64 26 13-0010	EA	160 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	172,793.73	6,524.33
		For Aluminum Fins Instead Of Copper, Deduct	-2,445.02	
		For 208/230 Voltage Motor Rating, Add	6,520.05	
23 64 26 13-0011	EA	170 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	180,365.26	6,730.10
		For Aluminum Fins Instead Of Copper, Deduct	-2,554.05	
		For 208/230 Voltage Motor Rating, Add	6,810.80	
23 64 26 13-0012	EA	180 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	190,194.42	6,996.40
		For Aluminum Fins Instead Of Copper, Deduct	-2,695.50	
		For 208/230 Voltage Motor Rating, Add	7,187.99	
23 64 26 13-0013	EA	200 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	198,808.30	7,141.65
		For Aluminum Fins Instead Of Copper, Deduct	-2,821.62	
		For 208/230 Voltage Motor Rating, Add	7,524.32	
23 64 26 13-0014	EA	215 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	213,110.06	7,262.70
		For Aluminum Fins Instead Of Copper, Deduct	-3,033.24	
		For 208/230 Voltage Motor Rating, Add	8,088.64	
23 64 26 13-0015	EA	225 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	222,612.29	7,335.33
		For Aluminum Fins Instead Of Copper, Deduct	-3,174.32	
		For 208/230 Voltage Motor Rating, Add	8,464.86	
23 64 26 13-0016	EA	240 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	232,114.53	7,395.85
		For Aluminum Fins Instead Of Copper, Deduct	-3,315.40	
		For 208/230 Voltage Motor Rating, Add	8,841.07	
23 64 26 13-0017	EA	260 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	260,548.59	7,541.10
		For Aluminum Fins Instead Of Copper, Deduct	-3,738.64	
		For 208/230 Voltage Motor Rating, Add	9,969.72	
23 64 26 13-0018	EA	280 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	274,862.47	7,686.36
		For Aluminum Fins Instead Of Copper, Deduct	-3,950.27	
		For 208/230 Voltage Motor Rating, Add	10,534.04	
23 64 26 13-0019	EA	300 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	293,866.93	7,807.41
		For Aluminum Fins Instead Of Copper, Deduct	-4,232.43	
		For 208/230 Voltage Motor Rating, Add	11,286.48	
23 64 26 13-0020	EA	325 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	322,276.80	7,940.55
		For Aluminum Fins Instead Of Copper, Deduct	-4,655.67	
		For 208/230 Voltage Motor Rating, Add	12,415.12	
23 64 26 13-0021	EA	350 Ton Packaged Air-Cooled Rotary-Screw Water Chiller.....	351,334.37	8,037.39
		For Aluminum Fins Instead Of Copper, Deduct	-5,089.17	
		For 208/230 Voltage Motor Rating, Add	13,571.13	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 64 26 16-0001
Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	74,044.53	5,629.86
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	80,345.44	5,848.81
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	85,820.13	6,005.19
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	90,592.14	6,258.53
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	95,327.31	6,430.55
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	101,093.81	6,611.09
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	136,311.05	6,795.87
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	141,508.56	6,979.78
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	145,401.54	7,152.56
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	146,885.28	7,510.24
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	145,860.49	7,872.43
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	154,311.53	8,040.95
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	167,681.82	8,216.85
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	178,144.46	8,592.93
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	188,042.56	8,940.73
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	199,561.71	9,294.90
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	219,075.39	10,118.74
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	235,063.66	11,129.61
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	247,544.72	12,243.08

23 65 Cooling Towers (23 60)
23 65 13 Forced-Draft Cooling Towers (23 65)
23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)
23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13 16)
23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers (23 65 13 16-0001)

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	19,994.70	2,009.34
		For Stainless Steel Cooling Tower, Add	10,188.41	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	27,516.93	2,457.22
		For Stainless Steel Cooling Tower, Add	14,309.56	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	34,535.95	3,086.65
		For Stainless Steel Cooling Tower, Add	17,743.86	
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	39,814.13	3,449.78
		For Stainless Steel Cooling Tower, Add	20,562.16	
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	45,495.02	3,885.55
		For Stainless Steel Cooling Tower, Add	23,549.45	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	51,151.62	4,357.62
		For Stainless Steel Cooling Tower, Add	26,493.13	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	57,401.79	4,853.90
		For Stainless Steel Cooling Tower, Add	29,763.89	
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	62,755.37	5,471.23
		For Stainless Steel Cooling Tower, Add	32,380.50	
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	68,387.58	6,076.46
		For Stainless Steel Cooling Tower, Add	35,171.54	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	74,964.04	7,190.08
		For Stainless Steel Cooling Tower, Add	38,049.81	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	81,492.46	7,964.76
		For Stainless Steel Cooling Tower, Add	41,211.54	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	85,877.12	8,473.15
		For Stainless Steel Cooling Tower, Add	43,392.05	
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	91,006.70	8,969.44
		For Stainless Steel Cooling Tower, Add	45,954.14	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	95,978.92	9,405.19
		For Stainless Steel Cooling Tower, Add	48,516.23	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	101,665.86	9,840.96
		For Stainless Steel Cooling Tower, Add	51,514.43	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	107,703.98	10,373.56
		For Stainless Steel Cooling Tower, Add	54,621.65	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	114,547.68	10,906.15
		For Stainless Steel Cooling Tower, Add	58,219.48	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	121,191.59	11,366.12
		For Stainless Steel Cooling Tower, Add	61,762.80	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	127,847.59	11,826.10
		For Stainless Steel Cooling Tower, Add	65,306.12	
23 65 13 16-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	140,445.46	12,322.38
		For Stainless Steel Cooling Tower, Add	72,392.76	
23 65 13 16-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	154,133.57	12,806.56
		For Stainless Steel Cooling Tower, Add	80,133.55	
23 65 13 16-0024	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	159,681.67	13,072.86
		For Stainless Steel Cooling Tower, Add	83,404.31	
23 65 13 16-0025	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	166,320.02	13,242.33
		For Stainless Steel Cooling Tower, Add	87,329.22	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 65 13 16-0026	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	174,108.44	13,920.18
		<i>For Stainless Steel Cooling Tower, Add</i>	91,363.15	
23 65 13 16-0027	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	183,168.83	14,598.02
		<i>For Stainless Steel Cooling Tower, Add</i>	96,160.27	
23 65 13 16-0028	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	192,326.04	15,336.40
		<i>For Stainless Steel Cooling Tower, Add</i>	100,957.37	
23 65 13 16-0029	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	202,936.92	16,074.77
		<i>For Stainless Steel Cooling Tower, Add</i>	106,626.68	
23 65 13 16-0030	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	213,898.99	16,922.09
		<i>For Stainless Steel Cooling Tower, Add</i>	112,405.03	
23 65 13 16-0031	EA	1,000 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	226,302.59	17,769.41
		<i>For Stainless Steel Cooling Tower, Add</i>	119,055.56	

23 65 14 Induced-Draft Cooling Towers (23 65)**23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)****23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers**

(23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	10,237.70	1,355.71
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,230.62	
		<i>For Stainless Steel Support Structure, Add</i>	2,461.25	
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	12,124.32	1,464.64
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,488.20	
		<i>For Stainless Steel Support Structure, Add</i>	2,976.39	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	14,489.35	1,646.21
		<i>For Polymer Coating Over Galvanized Components, Add</i>	1,803.00	
		<i>For Stainless Steel Support Structure, Add</i>	3,606.01	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	16,079.10	1,815.68
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,003.34	
		<i>For Stainless Steel Support Structure, Add</i>	4,006.68	
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	19,040.73	2,009.34
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,404.01	
		<i>For Stainless Steel Support Structure, Add</i>	4,808.01	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	22,141.33	2,166.70
		<i>For Polymer Coating Over Galvanized Components, Add</i>	2,834.60	
		<i>For Stainless Steel Support Structure, Add</i>	5,669.20	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	25,418.20	2,457.22
		<i>For Polymer Coating Over Galvanized Components, Add</i>	3,262.58	
		<i>For Stainless Steel Support Structure, Add</i>	6,525.16	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	31,674.03	3,086.65
		<i>For Polymer Coating Over Galvanized Components, Add</i>	4,006.68	
		<i>For Stainless Steel Support Structure, Add</i>	8,013.35	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	34,544.57	3,449.78
		<i>For Polymer Coating Over Galvanized Components, Add</i>	4,350.11	
		<i>For Stainless Steel Support Structure, Add</i>	8,700.21	
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	52,649.18	3,885.55
		<i>For Polymer Coating Over Galvanized Components, Add</i>	6,960.49	
		<i>For Stainless Steel Support Structure, Add</i>	13,920.98	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	63,720.72	4,853.90
		<i>For Polymer Coating Over Galvanized Components, Add</i>	8,388.81	
		<i>For Stainless Steel Support Structure, Add</i>	16,777.63	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	82,571.45	7,964.76
		<i>For Polymer Coating Over Galvanized Components, Add</i>	10,464.73	
		<i>For Stainless Steel Support Structure, Add</i>	20,929.47	

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers (23 65 14 13)

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	31,674.03	3,086.65
		<i>For Polymer Coating Over Galvanized Components, Add</i>	4,006.68	
		<i>For Stainless Steel Support Structure, Add</i>	8,013.35	
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	42,178.83	3,885.55
		<i>For Polymer Coating Over Galvanized Components, Add</i>	5,389.94	
		<i>For Stainless Steel Support Structure, Add</i>	10,779.87	
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	53,585.90	4,853.90
		<i>For Polymer Coating Over Galvanized Components, Add</i>	6,868.59	
		<i>For Stainless Steel Support Structure, Add</i>	13,737.18	
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	63,608.64	6,076.46
		<i>For Polymer Coating Over Galvanized Components, Add</i>	8,076.05	
		<i>For Stainless Steel Support Structure, Add</i>	16,152.09	
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	75,650.53	7,964.76
		<i>For Polymer Coating Over Galvanized Components, Add</i>	9,426.60	
		<i>For Stainless Steel Support Structure, Add</i>	18,853.19	
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	84,328.91	8,969.44
		<i>For Polymer Coating Over Galvanized Components, Add</i>	10,486.87	
		<i>For Stainless Steel Support Structure, Add</i>	20,973.73	
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	94,034.09	9,840.96
		<i>For Polymer Coating Over Galvanized Components, Add</i>	11,733.84	
		<i>For Stainless Steel Support Structure, Add</i>	23,467.68	
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower.....	106,552.49	10,906.15
		<i>For Polymer Coating Over Galvanized Components, Add</i>	13,355.59	
		<i>For Stainless Steel Support Structure, Add</i>	26,711.18	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	120,124.97	11,826.10
		For Polymer Coating Over Galvanized Components, Add	15,168.14	
		For Stainless Steel Support Structure, Add	30,336.27	
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	128,634.39	12,467.63
		For Polymer Coating Over Galvanized Components, Add	16,326.53	
		For Stainless Steel Support Structure, Add	32,653.06	
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	137,828.85	12,806.56
		For Polymer Coating Over Galvanized Components, Add	17,587.68	
		For Stainless Steel Support Structure, Add	35,175.36	
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	156,235.18	13,242.33
		For Polymer Coating Over Galvanized Components, Add	20,319.58	
		For Stainless Steel Support Structure, Add	40,639.16	
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	171,357.76	14,598.02
		For Polymer Coating Over Galvanized Components, Add	22,268.41	
		For Stainless Steel Support Structure, Add	44,536.81	
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	189,308.77	16,074.77
		For Polymer Coating Over Galvanized Components, Add	24,612.45	
		For Stainless Steel Support Structure, Add	49,224.90	
23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers (23 65 14)				
23 65 14 14-0001		Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers (23 65 14 14)		
		Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.		
23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,543.69	1,355.71
		For Polymer Coating Over Galvanized Components, Add	976.52	
		For Stainless Steel Support Structure, Add	1,953.04	
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,210.54	1,379.91
		For Polymer Coating Over Galvanized Components, Add	1,072.92	
		For Stainless Steel Support Structure, Add	2,145.83	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	10,018.89	1,500.96
		For Polymer Coating Over Galvanized Components, Add	1,165.12	
		For Stainless Steel Support Structure, Add	2,330.24	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	11,692.51	1,573.59
		For Polymer Coating Over Galvanized Components, Add	1,399.82	
		For Stainless Steel Support Structure, Add	2,799.64	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,226.41	1,646.21
		For Polymer Coating Over Galvanized Components, Add	1,613.56	
		For Stainless Steel Support Structure, Add	3,227.13	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	14,728.65	1,730.94
		For Polymer Coating Over Galvanized Components, Add	1,818.93	
		For Stainless Steel Support Structure, Add	3,637.85	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,107.01	1,815.68
		For Polymer Coating Over Galvanized Components, Add	2,007.53	
		For Stainless Steel Support Structure, Add	4,015.05	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	17,637.19	1,912.51
		For Polymer Coating Over Galvanized Components, Add	2,217.08	
		For Stainless Steel Support Structure, Add	4,434.16	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	19,135.69	2,009.34
		For Polymer Coating Over Galvanized Components, Add	2,418.25	
		For Stainless Steel Support Structure, Add	4,836.50	
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	22,075.91	2,166.70
		For Polymer Coating Over Galvanized Components, Add	2,824.79	
		For Stainless Steel Support Structure, Add	5,649.57	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	25,263.85	2,336.17
		For Polymer Coating Over Galvanized Components, Add	3,264.85	
		For Stainless Steel Support Structure, Add	6,529.70	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	26,746.51	2,457.22
		For Polymer Coating Over Galvanized Components, Add	3,461.83	
		For Stainless Steel Support Structure, Add	6,923.66	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	28,374.44	2,662.99
		For Polymer Coating Over Galvanized Components, Add	3,658.81	
		For Stainless Steel Support Structure, Add	7,317.62	
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	29,583.24	2,868.77
		For Polymer Coating Over Galvanized Components, Add	3,792.92	
		For Stainless Steel Support Structure, Add	7,585.85	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	31,841.61	3,086.65
		For Polymer Coating Over Galvanized Components, Add	4,031.81	
		For Stainless Steel Support Structure, Add	8,063.63	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	33,177.01	3,449.78
		For Polymer Coating Over Galvanized Components, Add	4,144.97	
		For Stainless Steel Support Structure, Add	8,289.95	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	38,517.21	3,885.55
		For Polymer Coating Over Galvanized Components, Add	4,840.69	
		For Stainless Steel Support Structure, Add	9,681.38	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	42,564.66	4,357.62
		For Polymer Coating Over Galvanized Components, Add	5,335.24	
		For Stainless Steel Support Structure, Add	10,670.48	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	44,844.40	4,853.90
		For Polymer Coating Over Galvanized Components, Add	5,557.37	
		For Stainless Steel Support Structure, Add	11,114.73	
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	51,816.24	5,471.23
		For Polymer Coating Over Galvanized Components, Add	6,454.26	
		For Stainless Steel Support Structure, Add	12,908.51	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	56,820.14	6,076.46
		For Polymer Coating Over Galvanized Components, Add	7,057.77	
		For Stainless Steel Support Structure, Add	14,115.54	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	60,862.67	7,190.08
		For Polymer Coating Over Galvanized Components, Add	7,397.25	
		For Stainless Steel Support Structure, Add	14,794.49	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	65,697.93	7,964.76
		For Polymer Coating Over Galvanized Components, Add	7,933.71	
		For Stainless Steel Support Structure, Add	15,867.41	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	75,075.30	8,969.44
		For Polymer Coating Over Galvanized Components, Add	9,098.82	
		For Stainless Steel Support Structure, Add	18,197.65	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	82,753.92	9,840.96
		For Polymer Coating Over Galvanized Components, Add	10,041.82	
		For Stainless Steel Support Structure, Add	20,083.63	
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	91,473.71	10,906.15
		For Polymer Coating Over Galvanized Components, Add	11,093.78	
		For Stainless Steel Support Structure, Add	22,187.55	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	99,668.28	11,826.10
		For Polymer Coating Over Galvanized Components, Add	12,099.63	
		For Stainless Steel Support Structure, Add	24,199.27	
23 65 14 14-0029	EA	600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	113,815.10	12,806.56
		For Polymer Coating Over Galvanized Components, Add	13,985.62	
		For Stainless Steel Support Structure, Add	27,971.24	
23 65 14 14-0030	EA	700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	127,448.15	13,242.33
		For Polymer Coating Over Galvanized Components, Add	16,001.52	
		For Stainless Steel Support Structure, Add	32,003.05	
23 65 14 14-0031	EA	800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	142,431.18	14,598.02
		For Polymer Coating Over Galvanized Components, Add	17,929.42	
		For Stainless Steel Support Structure, Add	35,858.84	
23 65 14 14-0032	EA	900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	156,993.18	16,074.77
		For Polymer Coating Over Galvanized Components, Add	19,765.11	
		For Stainless Steel Support Structure, Add	39,530.22	
23 65 14 14-0033	EA	1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	171,295.24	17,769.41
		For Polymer Coating Over Galvanized Components, Add	21,512.79	
		For Stainless Steel Support Structure, Add	43,025.58	
23 65 14 14-0034	EA	1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	187,363.48	18,628.83
		For Polymer Coating Over Galvanized Components, Add	23,721.48	
		For Stainless Steel Support Structure, Add	47,442.97	
23 65 14 14-0035	EA	1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	202,856.18	19,427.73
		For Polymer Coating Over Galvanized Components, Add	25,854.74	
		For Stainless Steel Support Structure, Add	51,709.48	
23 65 14 14-0036	EA	1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	215,836.67	21,098.14
		For Polymer Coating Over Galvanized Components, Add	27,409.63	
		For Stainless Steel Support Structure, Add	54,819.26	
23 65 14 14-0037	EA	1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	228,424.09	22,889.61
		For Polymer Coating Over Galvanized Components, Add	28,876.51	
		For Stainless Steel Support Structure, Add	57,753.01	
23 65 14 14-0038	EA	1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	240,582.13	24,777.90
		For Polymer Coating Over Galvanized Components, Add	30,255.37	
		For Stainless Steel Support Structure, Add	60,510.74	
23 65 14 14-0039	EA	1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	251,794.92	26,484.65
		For Polymer Coating Over Galvanized Components, Add	31,537.84	
		For Stainless Steel Support Structure, Add	63,075.68	
23 65 14 14-0040	EA	1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	262,792.45	28,433.46
		For Polymer Coating Over Galvanized Components, Add	32,728.10	
		For Stainless Steel Support Structure, Add	65,456.21	
23 65 14 14-0041	EA	1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	273,687.38	30,684.92
		For Polymer Coating Over Galvanized Components, Add	33,830.36	
		For Stainless Steel Support Structure, Add	67,660.72	
23 65 14 14-0042	EA	1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	283,927.66	32,936.34
		For Polymer Coating Over Galvanized Components, Add	34,836.22	
		For Stainless Steel Support Structure, Add	69,672.43	
23 65 14 14-0043	EA	2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	294,864.24	36,010.89
		For Polymer Coating Over Galvanized Components, Add	35,754.06	
		For Stainless Steel Support Structure, Add	71,508.12	

23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers ^(23 65 14 14)

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.

23 65 14 14-0045	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	95,441.46	3,086.65
		For Induced Draft Counter Flow Type, Add	4,523.93	
23 65 14 14-0046	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	108,177.87	3,425.57
		For Induced Draft Counter Flow Type, Add	5,131.70	
23 65 14 14-0047	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	118,221.50	3,885.55
		For Induced Draft Counter Flow Type, Add	5,598.78	
23 65 14 14-0048	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	131,400.45	4,853.90
		For Induced Draft Counter Flow Type, Add	6,180.26	
23 65 14 14-0049	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	148,811.70	6,076.46
		For Induced Draft Counter Flow Type, Add	6,952.17	
23 65 14 14-0050	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	170,812.53	7,964.76
		For Induced Draft Counter Flow Type, Add	7,900.30	
23 65 14 14-0051	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	186,084.24	8,969.44
		For Induced Draft Counter Flow Type, Add	8,583.39	
23 65 14 14-0052	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	201,138.04	9,840.96
		For Induced Draft Counter Flow Type, Add	9,266.48	
23 65 14 14-0053	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	232,135.66	11,826.10
		For Induced Draft Counter Flow Type, Add	10,656.58	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0054 EA 600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	262,226.20 12,082.43	12,806.56
23 65 14 14-0055 EA 750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower <i>For Induced Draft Counter Flow Type, Add</i>	324,814.64 15,090.81	13,920.18
23 65 14 14-0056 EA 1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	421,656.17 19,688.98	17,769.41
23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)		
23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers (23 65 14 16)		
Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.		
23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers (23 65 14 16-0001)		
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.		
23 65 14 16-0003 EA 50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	40,086.56	2,009.34
23 65 14 16-0004 EA 75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	56,988.46	2,457.22
23 65 14 16-0005 EA 100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	67,151.50	3,086.65
23 65 14 16-0006 EA 125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	76,126.65	3,449.78
23 65 14 16-0007 EA 150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	83,508.03	3,885.55
23 65 14 16-0008 EA 200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	100,130.85	4,853.90
23 65 14 16-0009 EA 250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	117,831.07	6,076.46
23 65 14 16-0010 EA 300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	139,656.62	7,964.76
23 65 14 16-0011 EA 350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	152,881.90	8,969.44
23 65 14 16-0012 EA 400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	173,340.74	9,840.96
23 65 14 16-0013 EA 500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	200,922.91	11,826.10
23 65 14 16-0014 EA 600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	226,840.46	12,806.56
23 65 14 16-0015 EA 750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	280,616.25	13,920.18
23 65 14 16-0016 EA 1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	357,460.38	17,575.73
23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers (23 65 14 16-0001)		
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.		
23 65 14 16-0018 EA 100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	69,951.12	3,086.65
23 65 14 16-0019 EA 125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	75,690.84	3,449.78
23 65 14 16-0020 EA 150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	81,556.35	3,885.55
23 65 14 16-0021 EA 200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	96,440.65	4,853.90
23 65 14 16-0022 EA 250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	106,277.28	6,076.46
23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers (23 65 14 16)		
Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 14 16-0024 EA 5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,828.50	1,258.87
23 65 14 16-0025 EA 8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	5,082.57	1,319.39
23 65 14 16-0026 EA 10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	5,901.41	1,355.71
23 65 14 16-0027 EA 15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	6,664.61	1,379.91
23 65 14 16-0028 EA 20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	8,713.58	1,500.96
23 65 14 16-0029 EA 25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	9,215.61	1,573.59
23 65 14 16-0030 EA 30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	10,409.44	1,646.21
23 65 14 16-0031 EA 40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	12,000.08	1,815.68
23 65 14 16-0032 EA 50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	13,391.20	2,009.34
23 65 14 16-0033 EA 60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	15,004.81	2,166.70
23 65 14 16-0034 EA 70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	17,302.99	2,336.17
23 65 14 16-0035 EA 80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	18,840.62	2,662.99
23 65 14 16-0036 EA 100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	22,809.19	3,086.65
23 65 14 16-0037 EA 125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	28,184.98	3,449.78
23 65 14 16-0038 EA 150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	31,654.30	3,885.55
23 65 14 16-0039 EA 175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	38,426.68	4,357.62
23 65 14 16-0040 EA 200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	42,857.59	4,853.90
23 65 14 16-0041 EA 225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	47,372.11	5,471.23
23 65 14 16-0042 EA 250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	51,685.86	6,076.46
23 65 14 16-0043 EA 300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	61,940.94	7,964.76
23 65 14 16-0044 EA 350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	70,390.35	8,969.44
23 65 14 16-0045 EA 400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	78,228.79	9,840.96
23 65 14 16-0046 EA 500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	95,103.38	11,584.01
23 65 14 16-0047 EA 600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	108,626.45	12,806.56
23 65 14 16-0048 EA 700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	114,959.09	9,840.96
23 65 14 16-0049 EA 800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	131,641.99	14,598.02
23 65 14 16-0050 EA 1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	150,279.65	12,165.02
23 65 43 Cooling Tower Basins and Accessories (23 65)		
23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins (23 65 43)		
Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.		
23 65 43 00-0002 EA 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,416.97 115.00 80.00	
23 65 43 00-0003 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,603.98 115.00 80.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 60 Central Cooling Equipment****23 65 Cooling Towers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,573.43	
		For Anti-Flotation Flanges, Add	253.00	
		For Perforated Basins, Add	80.00	
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,844.95	
		For Anti-Flotation Flanges, Add	253.00	
		For Perforated Basins, Add	80.00	
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,001.97	
		For Anti-Flotation Flanges, Add	276.00	
		For Perforated Basins, Add	100.00	
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,221.96	
		For Anti-Flotation Flanges, Add	276.00	
		For Perforated Basins, Add	100.00	
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,441.95	
		For Anti-Flotation Flanges, Add	276.00	
		For Perforated Basins, Add	100.00	
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,468.36	
		For Anti-Flotation Flanges, Add	294.00	
		For Perforated Basins, Add	140.00	
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,727.34	
		For Anti-Flotation Flanges, Add	294.00	
		For Perforated Basins, Add	140.00	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	3,110.35	
		For Anti-Flotation Flanges, Add	294.00	
		For Perforated Basins, Add	140.00	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	3,496.35	
		For Anti-Flotation Flanges, Add	294.00	
		For Perforated Basins, Add	140.00	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	3,749.31	
		For Anti-Flotation Flanges, Add	294.00	
		For Perforated Basins, Add	140.00	

23 70 Central HVAC Equipment ⁽²³⁾

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage ^(23 70)**23 71 13 Thermal Heat Storage** ^(23 71)**23 71 13 23 Pressurized-Water Thermal Storage Tanks** ^(23 71 13)**23 71 13 23-0001 Nickelshield Storage Tanks** ^(23 71 13 23)

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank.....	30,906.98	229.71
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank.....	43,130.31	304.56
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank.....	49,378.09	368.37
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank.....	58,464.65	460.46
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank.....	68,020.65	612.11
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank.....	87,886.96	921.04
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank.....	99,247.08	1,037.39
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank.....	136,292.52	1,377.93
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank.....	176,349.83	1,601.89

23 72 Air-To-Air Energy Recovery Equipment ^(23 70)**23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment** ^(23 72)**23 72 13 00-0001 Enthalpy Recovery Wheel** ^(23 72 13)

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel.....	11,039.61	864.89
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel.....	12,263.28	1,038.12
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel.....	15,345.16	1,297.66
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel.....	17,941.40	1,482.57
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel.....	19,843.33	1,557.19
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel.....	24,101.18	1,730.42
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel.....	31,965.84	1,816.71
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel.....	39,782.96	1,946.48
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel.....	48,163.87	2,224.18
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel.....	54,012.50	2,854.83
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel.....	72,328.74	3,244.13
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel.....	86,032.72	3,892.96

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment ^(23 72)**23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient** ^(23 72 16)

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit.....	19,810.21	648.82
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit.....	31,132.49	865.14
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit.....	46,154.26	1,297.66

23 73 Indoor Central-Station Air-Handling Units ^(23 70)**23 73 13 Modular Indoor Central-Station Air-Handling Units** ^(23 73)

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.		
23 73 13 00-0001		Single Zone Units (23 73 13)		
		Note: Horizontal/vertical draw-thru fan, motor and cabinet.		
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	2,856.19	677.36
		For Flat Filter Box And Throwaway Filters, Add	237.24	
		For Medium Capacity Filter Box And Throwaway Filters, Add	445.44	
		For Combination Filter Mixing Box And Throwaway Filters, Add	663.33	
		For Manual Roll Filter, Add	1,135.46	
		For Automatic Roll Filter, Add	1,229.89	
		For Hot Water Heating Coil, Aluminum Fins, Add	568.90	
		For Electric Heating Coil, Add	946.61	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	946.61	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	852.18	
		For Steam Heating Coil, Aluminum Fins, Add	757.75	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	614.94	
		For Chilled Water Cooling Coil, Copper Fins, Add	1,135.46	
		For Direct Expansion Cooling Coil, Copper Fins, Add	1,041.04	
		For Hot Water Heating Coil, Copper Fins, Add	757.75	
		For Variable Air Volume, Add	264.40	
		For Economizer, Panel, Controls And Damper(s), Add	1,317.36	
		For 2 Coils, Independent Circuits, Add	323.39	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	4,501.53	812.83
		For Flat Filter Box And Throwaway Filters, Add	392.14	
		For Medium Capacity Filter Box And Throwaway Filters, Add	749.47	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,118.41	
		For Manual Roll Filter, Add	1,953.72	
		For Automatic Roll Filter, Add	2,120.79	
		For Hot Water Heating Coil, Aluminum Fins, Add	951.34	
		For Electric Heating Coil, Add	1,619.60	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	1,619.60	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,452.53	
		For Steam Heating Coil, Aluminum Fins, Add	1,285.47	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,060.39	
		For Chilled Water Cooling Coil, Copper Fins, Add	1,953.72	
		For Direct Expansion Cooling Coil, Copper Fins, Add	1,786.66	
		For Hot Water Heating Coil, Copper Fins, Add	1,285.47	
		For Variable Air Volume, Add	467.78	
		For Economizer, Panel, Controls And Damper(s), Add	1,452.18	
		For 2 Coils, Independent Circuits, Add	516.98	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	5,086.89	872.95
		For Flat Filter Box And Throwaway Filters, Add	446.34	
		For Medium Capacity Filter Box And Throwaway Filters, Add	855.27	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,276.67	
		For Manual Roll Filter, Add	2,236.65	
		For Automatic Roll Filter, Add	2,428.64	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,084.68	
		For Electric Heating Coil, Add	1,852.66	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	1,852.66	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,660.66	
		For Steam Heating Coil, Aluminum Fins, Add	1,468.67	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,214.32	
		For Chilled Water Cooling Coil, Copper Fins, Add	2,236.65	
		For Direct Expansion Cooling Coil, Copper Fins, Add	2,044.65	
		For Hot Water Heating Coil, Copper Fins, Add	1,468.67	
		For Variable Air Volume, Add	537.59	
		For Economizer, Panel, Controls And Damper(s), Add	1,512.89	
		For 2 Coils, Independent Circuits, Add	585.49	
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	5,737.68	938.02
		For Flat Filter Box And Throwaway Filters, Add	506.76	
		For Medium Capacity Filter Box And Throwaway Filters, Add	973.30	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,453.26	
		For Manual Roll Filter, Add	2,552.62	
		For Automatic Roll Filter, Add	2,772.49	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,233.38	
		For Electric Heating Coil, Add	2,112.87	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	2,112.87	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,893.00	
		For Steam Heating Coil, Aluminum Fins, Add	1,673.13	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,386.24	
		For Chilled Water Cooling Coil, Copper Fins, Add	2,552.62	
		For Direct Expansion Cooling Coil, Copper Fins, Add	2,332.74	
		For Hot Water Heating Coil, Copper Fins, Add	1,673.13	
		For Variable Air Volume, Add	615.64	
		For Economizer, Panel, Controls And Damper(s), Add	1,578.17	
		For 2 Coils, Independent Circuits, Add	661.72	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,504.87	1,009.14
		For Flat Filter Box And Throwaway Filters, Add	578.49	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,113.78	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,663.47	
		For Manual Roll Filter, Add	2,929.70	
		For Automatic Roll Filter, Add	3,182.94	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,410.22	
		For Electric Heating Coil, Add	2,423.21	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	2,423.21	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,169.96	
		For Steam Heating Coil, Aluminum Fins, Add	1,916.71	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,591.47	
		For Chilled Water Cooling Coil, Copper Fins, Add	2,929.70	
		For Direct Expansion Cooling Coil, Copper Fins, Add	2,676.45	
		For Hot Water Heating Coil, Copper Fins, Add	1,916.71	
		For Variable Air Volume, Add	709.09	
		For Economizer, Panel, Controls And Damper(s), Add	1,647.97	
		For 2 Coils, Independent Circuits, Add	751.79	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,399.41	1,084.50
		For Flat Filter Box And Throwaway Filters, Add	662.48	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,278.48	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,909.98	
		For Manual Roll Filter, Add	3,372.52	
		For Automatic Roll Filter, Add	3,665.03	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,617.47	
		For Electric Heating Coil, Add	2,787.50	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	2,787.50	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,494.99	
		For Steam Heating Coil, Aluminum Fins, Add	2,202.48	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,832.51	
		For Chilled Water Cooling Coil, Copper Fins, Add	3,372.52	
		For Direct Expansion Cooling Coil, Copper Fins, Add	3,080.01	
		For Hot Water Heating Coil, Copper Fins, Add	2,202.48	
		For Variable Air Volume, Add	819.02	
		For Economizer, Panel, Controls And Damper(s), Add	1,724.47	
		For 2 Coils, Independent Circuits, Add	856.94	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,101.17	1,165.91
		For Flat Filter Box And Throwaway Filters, Add	727.01	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,404.17	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,097.94	
		For Manual Roll Filter, Add	3,707.72	
		For Automatic Roll Filter, Add	4,029.67	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,775.98	
		For Electric Heating Coil, Add	3,063.81	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,063.81	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,741.85	
		For Steam Heating Coil, Aluminum Fins, Add	2,419.89	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,014.84	
		For Chilled Water Cooling Coil, Copper Fins, Add	3,707.72	
		For Direct Expansion Cooling Coil, Copper Fins, Add	3,385.76	
		For Hot Water Heating Coil, Copper Fins, Add	2,419.89	
		For Variable Air Volume, Add	901.48	
		For Economizer, Panel, Controls And Damper(s), Add	1,803.44	
		For 2 Coils, Independent Circuits, Add	938.90	
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,861.94	1,256.49
		For Flat Filter Box And Throwaway Filters, Add	796.46	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,539.09	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,299.66	
		For Manual Roll Filter, Add	4,066.49	
		For Automatic Roll Filter, Add	4,419.85	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,946.29	
		For Electric Heating Coil, Add	3,359.76	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,359.76	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,006.39	
		For Steam Heating Coil, Aluminum Fins, Add	2,653.02	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,209.93	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,066.49	
		For Direct Expansion Cooling Coil, Copper Fins, Add	3,713.12	
		For Hot Water Heating Coil, Copper Fins, Add	2,653.02	
		For Variable Air Volume, Add	989.42	
		For Economizer, Panel, Controls And Damper(s), Add	1,737.04	
		For 2 Coils, Independent Circuits, Add	1,027.54	
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,698.58	1,347.09
		For Flat Filter Box And Throwaway Filters, Add	873.63	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,689.53	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,524.67	
		For Manual Roll Filter, Add	4,468.18	
		For Automatic Roll Filter, Add	4,856.88	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,135.97	
		For Electric Heating Coil, Add	3,690.78	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,690.78	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,302.07	
		For Steam Heating Coil, Aluminum Fins, Add	2,913.37	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,428.44	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,468.18	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,079.48	
		For Hot Water Heating Coil, Copper Fins, Add	2,913.37	
		For Variable Air Volume, Add	1,088.37	
		For Economizer, Panel, Controls And Damper(s), Add	1,808.49	
		For 2 Coils, Independent Circuits, Add	1,125.34	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,470.78	1,447.97
		For Flat Filter Box And Throwaway Filters, Add	943.65	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,825.25	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,727.53	
		For Manual Roll Filter, Add	4,828.10	
		For Automatic Roll Filter, Add	5,248.21	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,307.42	
		For Electric Heating Coil, Add	3,987.87	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,987.87	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,567.76	
		For Steam Heating Coil, Aluminum Fins, Add	3,147.64	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,624.10	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,828.10	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,407.98	
		For Hot Water Heating Coil, Copper Fins, Add	3,147.64	
		For Variable Air Volume, Add	1,176.32	
		For Economizer, Panel, Controls And Damper(s), Add	1,887.69	
		For 2 Coils, Independent Circuits, Add	1,215.12	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,295.25	1,558.05
		For Flat Filter Box And Throwaway Filters, Add	1,018.25	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,969.73	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,943.47	
		For Manual Roll Filter, Add	5,210.90	
		For Automatic Roll Filter, Add	5,664.39	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,489.98	
		For Electric Heating Coil, Add	4,303.93	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	4,303.93	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,850.44	
		For Steam Heating Coil, Aluminum Fins, Add	3,396.96	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,832.20	
		For Chilled Water Cooling Coil, Copper Fins, Add	5,210.90	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,757.42	
		For Hot Water Heating Coil, Copper Fins, Add	3,396.96	
		For Variable Air Volume, Add	1,269.76	
		For Economizer, Panel, Controls And Damper(s), Add	1,974.04	
		For 2 Coils, Independent Circuits, Add	1,310.92	
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,138.01	1,803.47
		For Flat Filter Box And Throwaway Filters, Add	1,184.99	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,292.68	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,426.15	
		For Manual Roll Filter, Add	6,066.58	
		For Automatic Roll Filter, Add	6,594.66	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,898.06	
		For Electric Heating Coil, Add	5,010.40	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,010.40	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,482.32	
		For Steam Heating Coil, Aluminum Fins, Add	3,954.23	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,297.33	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,066.58	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,538.49	
		For Hot Water Heating Coil, Copper Fins, Add	3,954.23	
		For Variable Air Volume, Add	1,478.64	
		For Economizer, Panel, Controls And Damper(s), Add	2,166.96	
		For 2 Coils, Independent Circuits, Add	1,525.04	
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,763.08	1,938.09
		For Flat Filter Box And Throwaway Filters, Add	1,237.83	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,392.58	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,575.03	
		For Manual Roll Filter, Add	6,323.43	
		For Automatic Roll Filter, Add	6,873.11	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,025.35	
		For Electric Heating Coil, Add	5,224.07	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,224.07	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,674.39	
		For Steam Heating Coil, Aluminum Fins, Add	4,124.71	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,436.56	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,323.43	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,773.75	
		For Hot Water Heating Coil, Copper Fins, Add	4,124.71	
		For Variable Air Volume, Add	1,539.11	
		For Economizer, Panel, Controls And Damper(s), Add	2,273.21	
		For 2 Coils, Independent Circuits, Add	1,596.18	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,401.07	2,082.87
		For Flat Filter Box And Throwaway Filters, Add	1,291.33	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,493.39	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,725.21	
		For Manual Roll Filter, Add	6,581.58	
		For Automatic Roll Filter, Add	7,152.86	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,153.93	
		For Electric Heating Coil, Add	5,439.03	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,439.03	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,867.76	
		For Steam Heating Coil, Aluminum Fins, Add	4,296.48	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,576.43	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,581.58	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,010.31	
		For Hot Water Heating Coil, Copper Fins, Add	4,296.48	
		For Variable Air Volume, Add	1,599.57	
		For Economizer, Panel, Controls And Damper(s), Add	2,386.56	
		For 2 Coils, Independent Circuits, Add	1,668.62	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,804.09	2,404.62
		For Flat Filter Box And Throwaway Filters, Add	1,408.60	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,714.10	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,053.97	
		For Manual Roll Filter, Add	7,145.92	
		For Automatic Roll Filter, Add	7,764.31	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,435.58	
		For Electric Heating Coil, Add	5,909.14	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,909.14	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,290.75	
		For Steam Heating Coil, Aluminum Fins, Add	4,672.36	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,882.16	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,145.92	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,527.53	
		For Hot Water Heating Coil, Copper Fins, Add	4,672.36	
		For Variable Air Volume, Add	1,731.49	
		For Economizer, Panel, Controls And Damper(s), Add	2,314.51	
		For 2 Coils, Independent Circuits, Add	1,827.77	
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,804.09	2,404.62
		For Flat Filter Box And Throwaway Filters, Add	1,408.60	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,714.10	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,053.97	
		For Manual Roll Filter, Add	7,145.92	
		For Automatic Roll Filter, Add	7,764.31	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,435.58	
		For Electric Heating Coil, Add	5,909.14	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,909.14	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,290.75	
		For Steam Heating Coil, Aluminum Fins, Add	4,672.36	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,882.16	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,145.92	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,527.53	
		For Hot Water Heating Coil, Copper Fins, Add	4,672.36	
		For Variable Air Volume, Add	1,731.49	
		For Economizer, Panel, Controls And Damper(s), Add	2,314.51	
		For 2 Coils, Independent Circuits, Add	1,827.77	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,335.03	2,761.92
		For Flat Filter Box And Throwaway Filters, Add	1,536.18	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,953.98	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,411.23	
		For Manual Roll Filter, Add	7,758.39	
		For Automatic Roll Filter, Add	8,427.82	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,741.80	
		For Electric Heating Coil, Add	6,419.53	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,419.53	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,750.10	
		For Steam Heating Coil, Aluminum Fins, Add	5,080.66	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,213.91	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,758.39	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,088.96	
		For Hot Water Heating Coil, Copper Fins, Add	5,080.66	
		For Variable Air Volume, Add	1,874.41	
		For Economizer, Panel, Controls And Damper(s), Add	2,518.56	
		For 2 Coils, Independent Circuits, Add	2,001.28	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,219.98	2,996.47
		For Flat Filter Box And Throwaway Filters, Add	1,607.92	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,087.38	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,609.66	
		For Manual Roll Filter, Add	8,094.24	
		For Automatic Roll Filter, Add	8,791.16	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,912.75	
		For Electric Heating Coil, Add	6,700.41	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,700.41	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,003.49	
		For Steam Heating Coil, Aluminum Fins, Add	5,306.58	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,395.58	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,094.24	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,397.33	
		For Hot Water Heating Coil, Copper Fins, Add	5,306.58	
		For Variable Air Volume, Add	1,951.36	
		For Economizer, Panel, Controls And Damper(s), Add	2,652.66	
		For 2 Coils, Independent Circuits, Add	2,100.76	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,087.12	3,219.14
		For Flat Filter Box And Throwaway Filters, Add	1,678.76	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,219.54	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,806.31	
		For Manual Roll Filter, Add	8,428.31	
		For Automatic Roll Filter, Add	9,152.71	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,081.91	
		For Electric Heating Coil, Add	6,979.51	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,979.51	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,255.11	
		For Steam Heating Coil, Aluminum Fins, Add	5,530.71	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,576.36	
		For Chilled Water Cooling Coil, Copper Fins, Add	8,428.31	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,703.91	
		For Hot Water Heating Coil, Copper Fins, Add	5,530.71	
		For Variable Air Volume, Add	2,028.32	
		For Economizer, Panel, Controls And Damper(s), Add	2,779.65	
		For 2 Coils, Independent Circuits, Add	2,198.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021	EA		6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,959.62	3,446.06
			For Flat Filter Box And Throwaway Filters, Add	1,749.87	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,352.07	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,003.50	
			For Manual Roll Filter, Add	8,762.92	
			For Automatic Roll Filter, Add	9,514.80	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,251.61	
			For Electric Heating Coil, Add	7,259.15	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,259.15	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,507.27	
			For Steam Heating Coil, Aluminum Fins, Add	5,755.38	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,757.40	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,762.92	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,011.03	
			For Hot Water Heating Coil, Copper Fins, Add	5,755.38	
			For Variable Air Volume, Add	2,105.28	
			For Economizer, Panel, Controls And Damper(s), Add	2,908.78	
			For 2 Coils, Independent Circuits, Add	2,296.72	
23 73 13 00-0022	EA		7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,965.21	3,709.39
			For Flat Filter Box And Throwaway Filters, Add	1,831.56	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,504.13	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,229.70	
			For Manual Roll Filter, Add	9,146.17	
			For Automatic Roll Filter, Add	9,929.47	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,446.40	
			For Electric Heating Coil, Add	7,579.58	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,579.58	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,796.29	
			For Steam Heating Coil, Aluminum Fins, Add	6,012.99	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,964.73	
			For Chilled Water Cooling Coil, Copper Fins, Add	9,146.17	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,362.88	
			For Hot Water Heating Coil, Copper Fins, Add	6,012.99	
			For Variable Air Volume, Add	2,193.22	
			For Economizer, Panel, Controls And Damper(s), Add	3,059.73	
			For 2 Coils, Independent Circuits, Add	2,409.84	
23 73 13 00-0023	EA		7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,986.18	3,974.40
			For Flat Filter Box And Throwaway Filters, Add	1,914.01	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,657.27	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,457.44	
			For Manual Roll Filter, Add	9,530.96	
			For Automatic Roll Filter, Add	10,345.67	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,642.73	
			For Electric Heating Coil, Add	7,901.55	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,901.55	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,086.85	
			For Steam Heating Coil, Aluminum Fins, Add	6,272.14	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,172.83	
			For Chilled Water Cooling Coil, Copper Fins, Add	9,530.96	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,716.26	
			For Hot Water Heating Coil, Copper Fins, Add	6,272.14	
			For Variable Air Volume, Add	2,281.17	
			For Economizer, Panel, Controls And Damper(s), Add	2,887.62	
			For 2 Coils, Independent Circuits, Add	2,524.50	
23 73 13 00-0024	EA		8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,038.96	4,279.93
			For Flat Filter Box And Throwaway Filters, Add	1,998.06	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,812.63	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,688.36	
			For Manual Roll Filter, Add	9,918.93	
			For Automatic Roll Filter, Add	10,765.05	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,842.24	
			For Electric Heating Coil, Add	8,226.70	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	8,226.70	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,380.59	
			For Steam Heating Coil, Aluminum Fins, Add	6,534.47	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,382.52	
			For Chilled Water Cooling Coil, Copper Fins, Add	9,918.93	
			For Direct Expansion Cooling Coil, Copper Fins, Add	9,072.82	
			For Hot Water Heating Coil, Copper Fins, Add	6,534.47	
			For Variable Air Volume, Add	2,369.12	
			For Economizer, Panel, Controls And Damper(s), Add	3,015.00	
			For 2 Coils, Independent Circuits, Add	2,642.34	
23 73 13 00-0025	EA		9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,238.70	4,636.52
			For Flat Filter Box And Throwaway Filters, Add	2,093.39	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,988.48	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,949.68	
			For Manual Roll Filter, Add	10,356.94	
			For Automatic Roll Filter, Add	11,238.39	
			For Hot Water Heating Coil, Aluminum Fins, Add	5,068.23	
			For Electric Heating Coil, Add	8,594.03	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	8,594.03	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,712.58	
			For Steam Heating Coil, Aluminum Fins, Add	6,831.13	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,619.20	
			For Chilled Water Cooling Coil, Copper Fins, Add	10,356.94	
			For Direct Expansion Cooling Coil, Copper Fins, Add	9,475.49	
			For Hot Water Heating Coil, Copper Fins, Add	6,831.13	
			For Variable Air Volume, Add	2,468.07	
			For Economizer, Panel, Controls And Damper(s), Add	3,162.90	
			For 2 Coils, Independent Circuits, Add	2,776.45	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,409.27	4,950.28
		For Flat Filter Box And Throwaway Filters, Add	2,187.25	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,162.30	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,208.08	
		For Manual Roll Filter, Add	10,792.02	
		For Automatic Roll Filter, Add	11,708.81	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,291.29	
		For Electric Heating Coil, Add	8,958.45	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,958.45	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,041.66	
		For Steam Heating Coil, Aluminum Fins, Add	7,124.87	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,854.41	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,792.02	
		For Direct Expansion Cooling Coil, Copper Fins, Add	9,875.24	
		For Hot Water Heating Coil, Copper Fins, Add	7,124.87	
		For Variable Air Volume, Add	2,567.01	
		For Economizer, Panel, Controls And Damper(s), Add	3,302.05	
		For 2 Coils, Independent Circuits, Add	2,907.64	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,513.21	4,793.16
		For Flat Filter Box And Throwaway Filters, Add	2,210.12	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,215.51	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,289.15	
		For Manual Roll Filter, Add	10,961.43	
		For Automatic Roll Filter, Add	11,895.89	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,354.69	
		For Electric Heating Coil, Add	9,092.52	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	9,092.52	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,158.06	
		For Steam Heating Coil, Aluminum Fins, Add	7,223.60	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,947.94	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,961.43	
		For Direct Expansion Cooling Coil, Copper Fins, Add	10,026.97	
		For Hot Water Heating Coil, Copper Fins, Add	7,223.60	
		For Variable Air Volume, Add	2,616.48	
		For Economizer, Panel, Controls And Damper(s), Add	3,227.22	
		For 2 Coils, Independent Circuits, Add	2,925.10	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,637.90	5,317.86
		For Flat Filter Box And Throwaway Filters, Add	2,284.02	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,340.18	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,472.29	
		For Manual Roll Filter, Add	11,232.92	
		For Automatic Roll Filter, Add	12,185.04	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,520.17	
		For Electric Heating Coil, Add	9,328.67	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	9,328.67	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,376.54	
		For Steam Heating Coil, Aluminum Fins, Add	7,424.42	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,092.52	
		For Chilled Water Cooling Coil, Copper Fins, Add	11,232.92	
		For Direct Expansion Cooling Coil, Copper Fins, Add	10,280.79	
		For Hot Water Heating Coil, Copper Fins, Add	7,424.42	
		For Variable Air Volume, Add	2,665.95	
		For Economizer, Panel, Controls And Damper(s), Add	3,458.62	
		For 2 Coils, Independent Circuits, Add	3,044.64	
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	28,048.23	5,531.48
		For Flat Filter Box And Throwaway Filters, Add	2,411.47	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,586.92	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,841.05	
		For Manual Roll Filter, Add	11,886.33	
		For Automatic Roll Filter, Add	12,895.38	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,831.99	
		For Electric Heating Coil, Add	9,868.22	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	9,868.22	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,859.16	
		For Steam Heating Coil, Aluminum Fins, Add	7,850.10	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,447.69	
		For Chilled Water Cooling Coil, Copper Fins, Add	11,886.33	
		For Direct Expansion Cooling Coil, Copper Fins, Add	10,877.27	
		For Hot Water Heating Coil, Copper Fins, Add	7,850.10	
		For Variable Air Volume, Add	2,825.36	
		For Economizer, Panel, Controls And Damper(s), Add	2,973.42	
		For 2 Coils, Independent Circuits, Add	3,208.45	
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	29,534.14	5,745.69
		For Flat Filter Box And Throwaway Filters, Add	2,542.69	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,838.96	
		For Combination Filter Mixing Box And Throwaway Filters, Add	7,217.36	
		For Manual Roll Filter, Add	12,547.30	
		For Automatic Roll Filter, Add	13,613.29	
		For Hot Water Heating Coil, Aluminum Fins, Add	6,151.38	
		For Electric Heating Coil, Add	10,415.33	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	10,415.33	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,349.34	
		For Steam Heating Coil, Aluminum Fins, Add	8,283.35	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,806.64	
		For Chilled Water Cooling Coil, Copper Fins, Add	12,547.30	
		For Direct Expansion Cooling Coil, Copper Fins, Add	11,481.31	
		For Hot Water Heating Coil, Copper Fins, Add	8,283.35	
		For Variable Air Volume, Add	2,984.77	
		For Economizer, Panel, Controls And Damper(s), Add	3,042.88	
		For 2 Coils, Independent Circuits, Add	3,379.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0031	EA		16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	31,106.93	5,966.97
			For Flat Filter Box And Throwaway Filters, Add	2,686.12	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,117.49	
			For Combination Filter Mixing Box And Throwaway Filters, Add	7,633.78	
			For Manual Roll Filter, Add	13,287.63	
			For Automatic Roll Filter, Add	14,418.40	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,503.01	
			For Electric Heating Coil, Add	11,026.09	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,026.09	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,895.32	
			For Steam Heating Coil, Aluminum Fins, Add	8,764.55	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	7,209.20	
			For Chilled Water Cooling Coil, Copper Fins, Add	13,287.63	
			For Direct Expansion Cooling Coil, Copper Fins, Add	12,156.86	
			For Hot Water Heating Coil, Copper Fins, Add	8,764.55	
			For Variable Air Volume, Add	3,166.16	
			For Economizer, Panel, Controls And Damper(s), Add	3,098.30	
			For 2 Coils, Independent Circuits, Add	3,563.00	
23 73 13 00-0032	EA		17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	32,747.22	6,187.91
			For Flat Filter Box And Throwaway Filters, Add	2,832.92	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,400.75	
			For Combination Filter Mixing Box And Throwaway Filters, Add	8,056.94	
			For Manual Roll Filter, Add	14,034.72	
			For Automatic Roll Filter, Add	15,230.27	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,861.39	
			For Electric Heating Coil, Add	11,643.61	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,643.61	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,448.05	
			For Steam Heating Coil, Aluminum Fins, Add	9,252.50	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	7,615.14	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,034.72	
			For Direct Expansion Cooling Coil, Copper Fins, Add	12,839.16	
			For Hot Water Heating Coil, Copper Fins, Add	9,252.50	
			For Variable Air Volume, Add	3,347.55	
			For Economizer, Panel, Controls And Damper(s), Add	3,167.22	
			For 2 Coils, Independent Circuits, Add	3,752.94	
23 73 13 00-0033	EA		20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	36,495.54	6,633.88
			For Flat Filter Box And Throwaway Filters, Add	3,175.42	
			For Medium Capacity Filter Box And Throwaway Filters, Add	6,066.36	
			For Combination Filter Mixing Box And Throwaway Filters, Add	10,402.77	
			For Manual Roll Filter, Add	14,994.96	
			For Automatic Roll Filter, Add	15,805.34	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,350.84	
			For Electric Heating Coil, Add	6,891.10	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,753.41	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,402.77	
			For Steam Heating Coil, Aluminum Fins, Add	9,052.13	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	7,227.35	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,454.70	
			For Direct Expansion Cooling Coil, Copper Fins, Add	13,104.06	
			For Hot Water Heating Coil, Copper Fins, Add	10,402.77	
			For Variable Air Volume, Add	3,781.80	
			For Economizer, Panel, Controls And Damper(s), Add	3,394.47	
			For 2 Coils, Independent Circuits, Add	4,189.81	
23 73 13 00-0034	EA		22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	40,483.00	7,149.51
			For Flat Filter Box And Throwaway Filters, Add	3,535.77	
			For Medium Capacity Filter Box And Throwaway Filters, Add	6,764.02	
			For Combination Filter Mixing Box And Throwaway Filters, Add	11,606.41	
			For Manual Roll Filter, Add	16,745.92	
			For Automatic Roll Filter, Add	17,652.89	
			For Hot Water Heating Coil, Aluminum Fins, Add	7,071.54	
			For Electric Heating Coil, Add	7,676.19	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	13,118.03	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,606.41	
			For Steam Heating Coil, Aluminum Fins, Add	10,094.78	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	8,070.63	
			For Chilled Water Cooling Coil, Copper Fins, Add	16,141.27	
			For Direct Expansion Cooling Coil, Copper Fins, Add	14,629.65	
			For Hot Water Heating Coil, Copper Fins, Add	11,606.41	
			For Variable Air Volume, Add	4,232.54	
			For Economizer, Panel, Controls And Damper(s), Add	3,528.85	
			For 2 Coils, Independent Circuits, Add	4,652.95	
23 73 13 00-0035	EA		25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	44,835.70	7,660.56
			For Flat Filter Box And Throwaway Filters, Add	3,935.98	
			For Medium Capacity Filter Box And Throwaway Filters, Add	7,543.40	
			For Combination Filter Mixing Box And Throwaway Filters, Add	12,954.54	
			For Manual Roll Filter, Add	18,714.80	
			For Automatic Roll Filter, Add	19,731.31	
			For Hot Water Heating Coil, Aluminum Fins, Add	7,871.96	
			For Electric Heating Coil, Add	8,549.63	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	14,648.73	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,954.54	
			For Steam Heating Coil, Aluminum Fins, Add	11,260.34	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	9,018.56	
			For Chilled Water Cooling Coil, Copper Fins, Add	18,037.12	
			For Direct Expansion Cooling Coil, Copper Fins, Add	16,342.92	
			For Hot Water Heating Coil, Copper Fins, Add	12,954.54	
			For Variable Air Volume, Add	4,743.74	
			For Economizer, Panel, Controls And Damper(s), Add	3,651.57	
			For 2 Coils, Independent Circuits, Add	5,161.25	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	55,127.72	8,250.22
		For Flat Filter Box And Throwaway Filters, Add	4,923.70	
		For Medium Capacity Filter Box And Throwaway Filters, Add	9,493.95	
		For Combination Filter Mixing Box And Throwaway Filters, Add	16,349.33	
		For Manual Roll Filter, Add	23,718.18	
		For Automatic Roll Filter, Add	25,018.57	
		For Hot Water Heating Coil, Aluminum Fins, Add	9,847.39	
		For Electric Heating Coil, Add	10,714.32	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	18,516.64	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,349.33	
		For Steam Heating Coil, Aluminum Fins, Add	14,182.02	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	11,425.63	
		For Chilled Water Cooling Coil, Copper Fins, Add	22,851.26	
		For Direct Expansion Cooling Coil, Copper Fins, Add	20,683.95	
		For Hot Water Heating Coil, Copper Fins, Add	16,349.33	
		For Variable Air Volume, Add	6,068.47	
		For Economizer, Panel, Controls And Damper(s), Add	3,796.76	
		For 2 Coils, Independent Circuits, Add	6,379.70	
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	61,570.64	8,805.89
		For Flat Filter Box And Throwaway Filters, Add	5,528.54	
		For Medium Capacity Filter Box And Throwaway Filters, Add	10,679.96	
		For Combination Filter Mixing Box And Throwaway Filters, Add	18,407.08	
		For Manual Roll Filter, Add	26,737.10	
		For Automatic Roll Filter, Add	28,207.10	
		For Hot Water Heating Coil, Aluminum Fins, Add	11,057.07	
		For Electric Heating Coil, Add	12,037.07	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	20,857.09	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	18,407.08	
		For Steam Heating Coil, Aluminum Fins, Add	15,957.08	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	12,878.55	
		For Chilled Water Cooling Coil, Copper Fins, Add	25,757.10	
		For Direct Expansion Cooling Coil, Copper Fins, Add	23,307.09	
		For Hot Water Heating Coil, Copper Fins, Add	18,407.08	
		For Variable Air Volume, Add	6,860.01	
		For Economizer, Panel, Controls And Damper(s), Add	3,650.58	
		For 2 Coils, Independent Circuits, Add	7,137.07	
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	67,447.84	9,482.65
		For Flat Filter Box And Throwaway Filters, Add	6,067.79	
		For Medium Capacity Filter Box And Throwaway Filters, Add	11,729.38	
		For Combination Filter Mixing Box And Throwaway Filters, Add	20,221.77	
		For Manual Roll Filter, Add	29,386.12	
		For Automatic Roll Filter, Add	31,003.36	
		For Hot Water Heating Coil, Aluminum Fins, Add	12,135.58	
		For Electric Heating Coil, Add	13,213.74	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	22,917.17	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	20,221.77	
		For Steam Heating Coil, Aluminum Fins, Add	17,526.37	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	14,153.98	
		For Chilled Water Cooling Coil, Copper Fins, Add	28,307.96	
		For Direct Expansion Cooling Coil, Copper Fins, Add	25,612.56	
		For Hot Water Heating Coil, Copper Fins, Add	20,221.77	
		For Variable Air Volume, Add	7,547.11	
		For Economizer, Panel, Controls And Damper(s), Add	3,795.99	
		For 2 Coils, Independent Circuits, Add	7,822.94	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	73,997.97	10,527.75
		For Flat Filter Box And Throwaway Filters, Add	6,664.25	
		For Medium Capacity Filter Box And Throwaway Filters, Add	12,887.16	
		For Combination Filter Mixing Box And Throwaway Filters, Add	22,221.54	
		For Manual Roll Filter, Add	32,300.32	
		For Automatic Roll Filter, Add	34,078.93	
		For Hot Water Heating Coil, Aluminum Fins, Add	13,328.49	
		For Electric Heating Coil, Add	14,514.23	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	25,185.89	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	22,221.54	
		For Steam Heating Coil, Aluminum Fins, Add	19,257.19	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	15,557.29	
		For Chilled Water Cooling Coil, Copper Fins, Add	31,114.58	
		For Direct Expansion Cooling Coil, Copper Fins, Add	28,150.23	
		For Hot Water Heating Coil, Copper Fins, Add	22,221.54	
		For Variable Air Volume, Add	8,300.17	
		For Economizer, Panel, Controls And Damper(s), Add	3,971.65	
		For 2 Coils, Independent Circuits, Add	8,585.54	
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	79,633.93	10,922.51
		For Flat Filter Box And Throwaway Filters, Add	7,183.58	
		For Medium Capacity Filter Box And Throwaway Filters, Add	13,899.28	
		For Combination Filter Mixing Box And Throwaway Filters, Add	23,972.83	
		For Manual Roll Filter, Add	34,859.25	
		For Automatic Roll Filter, Add	36,780.39	
		For Hot Water Heating Coil, Aluminum Fins, Add	14,367.17	
		For Electric Heating Coil, Add	15,647.92	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	27,174.72	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	23,972.83	
		For Steam Heating Coil, Aluminum Fins, Add	20,770.95	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	16,789.25	
		For Chilled Water Cooling Coil, Copper Fins, Add	33,578.50	
		For Direct Expansion Cooling Coil, Copper Fins, Add	30,376.61	
		For Hot Water Heating Coil, Copper Fins, Add	23,972.83	
		For Variable Air Volume, Add	8,965.29	
		For Economizer, Panel, Controls And Damper(s), Add	4,104.43	
		For 2 Coils, Independent Circuits, Add	9,244.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0041	EA		40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	85,889.86	11,684.42
			For Flat Filter Box And Throwaway Filters, Add	7,751.59	
			For Medium Capacity Filter Box And Throwaway Filters, Add	15,000.74	
			For Combination Filter Mixing Box And Throwaway Filters, Add	25,874.47	
			For Manual Roll Filter, Add	37,628.60	
			For Automatic Roll Filter, Add	39,702.86	
			For Hot Water Heating Coil, Aluminum Fins, Add	15,503.18	
			For Electric Heating Coil, Add	16,886.02	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	29,331.57	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	25,874.47	
			For Steam Heating Coil, Aluminum Fins, Add	22,417.37	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	18,122.88	
			For Chilled Water Cooling Coil, Copper Fins, Add	36,245.76	
			For Direct Expansion Cooling Coil, Copper Fins, Add	32,788.67	
			For Hot Water Heating Coil, Copper Fins, Add	25,874.47	
			For Variable Air Volume, Add	9,679.87	
			For Economizer, Panel, Controls And Damper(s), Add	3,923.49	
			For 2 Coils, Independent Circuits, Add	9,971.82	
23 73 13 00-0042	EA		45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	92,701.41	12,615.92
			For Flat Filter Box And Throwaway Filters, Add	8,368.97	
			For Medium Capacity Filter Box And Throwaway Filters, Add	16,197.24	
			For Combination Filter Mixing Box And Throwaway Filters, Add	27,939.64	
			For Manual Roll Filter, Add	40,634.91	
			For Automatic Roll Filter, Add	42,875.25	
			For Hot Water Heating Coil, Aluminum Fins, Add	16,737.94	
			For Electric Heating Coil, Add	18,231.50	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	31,673.54	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	27,939.64	
			For Steam Heating Coil, Aluminum Fins, Add	24,205.74	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	19,570.67	
			For Chilled Water Cooling Coil, Copper Fins, Add	39,141.35	
			For Direct Expansion Cooling Coil, Copper Fins, Add	35,407.44	
			For Hot Water Heating Coil, Copper Fins, Add	27,939.64	
			For Variable Air Volume, Add	10,454.92	
			For Economizer, Panel, Controls And Damper(s), Add	4,082.93	
			For 2 Coils, Independent Circuits, Add	10,763.70	
23 73 13 00-0043	EA		47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	96,574.57	13,208.48
			For Flat Filter Box And Throwaway Filters, Add	8,715.75	
			For Medium Capacity Filter Box And Throwaway Filters, Add	16,866.49	
			For Combination Filter Mixing Box And Throwaway Filters, Add	29,092.58	
			For Manual Roll Filter, Add	42,308.47	
			For Automatic Roll Filter, Add	44,640.69	
			For Hot Water Heating Coil, Aluminum Fins, Add	17,431.51	
			For Electric Heating Coil, Add	18,986.32	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	32,979.61	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,092.58	
			For Steam Heating Coil, Aluminum Fins, Add	25,205.56	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	20,376.83	
			For Chilled Water Cooling Coil, Copper Fins, Add	40,753.66	
			For Direct Expansion Cooling Coil, Copper Fins, Add	36,866.64	
			For Hot Water Heating Coil, Copper Fins, Add	29,092.58	
			For Variable Air Volume, Add	10,883.67	
			For Economizer, Panel, Controls And Damper(s), Add	4,184.26	
			For 2 Coils, Independent Circuits, Add	11,212.27	
23 73 13 00-0044	EA		50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	100,225.35	13,716.50
			For Flat Filter Box And Throwaway Filters, Add	9,043.57	
			For Medium Capacity Filter Box And Throwaway Filters, Add	17,499.75	
			For Combination Filter Mixing Box And Throwaway Filters, Add	30,184.03	
			For Manual Roll Filter, Add	43,893.84	
			For Automatic Roll Filter, Add	46,313.22	
			For Hot Water Heating Coil, Aluminum Fins, Add	18,087.13	
			For Electric Heating Coil, Add	19,700.05	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	34,216.32	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	30,184.03	
			For Steam Heating Coil, Aluminum Fins, Add	26,151.73	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	21,140.46	
			For Chilled Water Cooling Coil, Copper Fins, Add	42,280.92	
			For Direct Expansion Cooling Coil, Copper Fins, Add	38,248.62	
			For Hot Water Heating Coil, Copper Fins, Add	30,184.03	
			For Variable Air Volume, Add	11,290.43	
			For Economizer, Panel, Controls And Damper(s), Add	4,277.42	
			For 2 Coils, Independent Circuits, Add	11,635.45	
23 73 13 00-0045	EA		55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	108,059.18	14,647.87
			For Flat Filter Box And Throwaway Filters, Add	9,759.18	
			For Medium Capacity Filter Box And Throwaway Filters, Add	18,890.31	
			For Combination Filter Mixing Box And Throwaway Filters, Add	32,587.00	
			For Manual Roll Filter, Add	47,398.14	
			For Automatic Roll Filter, Add	50,011.87	
			For Hot Water Heating Coil, Aluminum Fins, Add	19,518.35	
			For Electric Heating Coil, Add	21,260.84	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	36,943.22	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	32,587.00	
			For Steam Heating Coil, Aluminum Fins, Add	28,230.79	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	22,827.83	
			For Chilled Water Cooling Coil, Copper Fins, Add	45,655.65	
			For Direct Expansion Cooling Coil, Copper Fins, Add	41,299.44	
			For Hot Water Heating Coil, Copper Fins, Add	32,587.00	
			For Variable Air Volume, Add	12,197.41	
			For Economizer, Panel, Controls And Damper(s), Add	4,446.86	
			For 2 Coils, Independent Circuits, Add	12,548.40	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	118,200.83	15,663.90
		For Flat Filter Box And Throwaway Filters, Add	10,700.11	
		For Medium Capacity Filter Box And Throwaway Filters, Add	20,728.25	
		For Combination Filter Mixing Box And Throwaway Filters, Add	35,770.44	
		For Manual Roll Filter, Add	52,056.69	
		For Automatic Roll Filter, Add	54,930.73	
		For Hot Water Heating Coil, Aluminum Fins, Add	21,400.23	
		For Electric Heating Coil, Add	23,316.26	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	40,560.52	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	35,770.44	
		For Steam Heating Coil, Aluminum Fins, Add	30,980.37	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	25,070.33	
		For Chilled Water Cooling Coil, Copper Fins, Add	50,140.66	
		For Direct Expansion Cooling Coil, Copper Fins, Add	45,350.59	
		For Hot Water Heating Coil, Copper Fins, Add	35,770.44	
		For Variable Air Volume, Add	13,412.20	
		For Economizer, Panel, Controls And Damper(s), Add	4,139.94	
		For 2 Coils, Independent Circuits, Add	13,736.11	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	129,572.94	16,933.95
		For Flat Filter Box And Throwaway Filters, Add	11,747.73	
		For Medium Capacity Filter Box And Throwaway Filters, Add	22,769.71	
		For Combination Filter Mixing Box And Throwaway Filters, Add	39,302.69	
		For Manual Roll Filter, Add	57,217.56	
		For Automatic Roll Filter, Add	60,379.01	
		For Hot Water Heating Coil, Aluminum Fins, Add	23,495.45	
		For Electric Heating Coil, Add	25,603.08	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	44,571.77	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	39,302.69	
		For Steam Heating Coil, Aluminum Fins, Add	34,033.61	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	27,554.96	
		For Chilled Water Cooling Coil, Copper Fins, Add	55,109.93	
		For Direct Expansion Cooling Coil, Copper Fins, Add	49,840.85	
		For Hot Water Heating Coil, Copper Fins, Add	39,302.69	
		For Variable Air Volume, Add	14,753.42	
		For Economizer, Panel, Controls And Damper(s), Add	4,319.14	
		For 2 Coils, Independent Circuits, Add	15,064.93	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	142,238.21	18,373.34
		For Flat Filter Box And Throwaway Filters, Add	12,909.08	
		For Medium Capacity Filter Box And Throwaway Filters, Add	25,029.30	
		For Combination Filter Mixing Box And Throwaway Filters, Add	43,209.65	
		For Manual Roll Filter, Add	62,920.01	
		For Automatic Roll Filter, Add	66,398.31	
		For Hot Water Heating Coil, Aluminum Fins, Add	25,818.15	
		For Electric Heating Coil, Add	28,137.02	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	49,006.81	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,209.65	
		For Steam Heating Coil, Aluminum Fins, Add	37,412.48	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	30,300.57	
		For Chilled Water Cooling Coil, Copper Fins, Add	60,601.14	
		For Direct Expansion Cooling Coil, Copper Fins, Add	54,803.98	
		For Hot Water Heating Coil, Copper Fins, Add	43,209.65	
		For Variable Air Volume, Add	16,232.06	
		For Economizer, Panel, Controls And Damper(s), Add	4,529.49	
		For 2 Coils, Independent Circuits, Add	16,542.69	

23 73 13 00-0049 Multi-Zone Units (23 73 13)

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,458.52	1,523.82
		For Economizer, Panel, Controls And Damper(s), Add	2,163.52	
		For Flat Filter Box And Throwaway Filters, Add	737.03	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,408.76	
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,788.16	
		For Manual Roll Filter, Add	3,672.78	
		For Automatic Roll Filter, Add	3,672.78	
		For Hot Water Heating Coil, Aluminum Fins, Add	845.85	
		For Electric Heating Coil, Add	971.49	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,044.57	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,044.57	
		For Chilled Water Cooling Coil, Copper Fins, Add	3,672.78	
		For Direct Expansion Cooling Coil, Copper Fins, Add	3,672.78	
		For 2 Coils, Independent Circuits, Add	971.49	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,540.63	1,909.06
		For Economizer, Panel, Controls And Damper(s), Add	2,549.12	
		For Flat Filter Box And Throwaway Filters, Add	917.70	
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,753.57	
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,226.06	
		For Manual Roll Filter, Add	4,570.05	
		For Automatic Roll Filter, Add	4,570.05	
		For Hot Water Heating Coil, Aluminum Fins, Add	1,054.06	
		For Electric Heating Coil, Add	1,210.33	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,788.72	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,788.72	
		For Chilled Water Cooling Coil, Copper Fins, Add	4,570.05	
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,570.05	
		For 2 Coils, Independent Circuits, Add	1,210.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0052	EA		1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,032.20	2,031.83
			For Economizer, Panel, Controls And Damper(s), Add	2,671.67	
			For Flat Filter Box And Throwaway Filters, Add	1,158.10	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,229.13	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,822.69	
			For Manual Roll Filter, Add	5,861.64	
			For Automatic Roll Filter, Add	5,861.64	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,303.22	
			For Electric Heating Coil, Add	1,505.82	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,848.66	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,848.66	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,861.64	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,861.64	
			For 2 Coils, Independent Circuits, Add	1,505.82	
23 73 13 00-0053	EA		2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,551.36	2,175.77
			For Economizer, Panel, Controls And Damper(s), Add	2,815.20	
			For Flat Filter Box And Throwaway Filters, Add	1,199.76	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,306.31	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,921.73	
			For Manual Roll Filter, Add	6,054.90	
			For Automatic Roll Filter, Add	6,054.90	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,355.14	
			For Electric Heating Coil, Add	1,564.01	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,010.51	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,010.51	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,054.90	
			For Direct Expansion Cooling Coil, Copper Fins, Add	6,054.90	
			For 2 Coils, Independent Circuits, Add	1,564.01	
23 73 13 00-0054	EA		2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,857.00	2,332.41
			For Economizer, Panel, Controls And Damper(s), Add	2,972.50	
			For Flat Filter Box And Throwaway Filters, Add	1,419.09	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,738.22	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,464.43	
			For Manual Roll Filter, Add	7,221.89	
			For Automatic Roll Filter, Add	7,221.89	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,585.70	
			For Electric Heating Coil, Add	1,836.20	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,969.40	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,969.40	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,221.89	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,221.89	
			For 2 Coils, Independent Circuits, Add	1,836.20	
23 73 13 00-0055	EA		3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,721.11	2,497.76
			For Economizer, Panel, Controls And Damper(s), Add	3,137.63	
			For Flat Filter Box And Throwaway Filters, Add	1,493.71	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,880.38	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,645.07	
			For Manual Roll Filter, Add	7,590.99	
			For Automatic Roll Filter, Add	7,590.99	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,672.11	
			For Electric Heating Coil, Add	1,935.17	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,275.69	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,275.69	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,590.99	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,590.99	
			For 2 Coils, Independent Circuits, Add	1,935.17	
23 73 13 00-0056	EA		3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,630.20	2,666.98
			For Economizer, Panel, Controls And Damper(s), Add	3,306.76	
			For Flat Filter Box And Throwaway Filters, Add	1,572.54	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,030.78	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,836.10	
			For Manual Roll Filter, Add	7,982.26	
			For Automatic Roll Filter, Add	7,982.26	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,763.02	
			For Electric Heating Coil, Add	2,039.43	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,600.21	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,600.21	
			For Chilled Water Cooling Coil, Copper Fins, Add	7,982.26	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,982.26	
			For 2 Coils, Independent Circuits, Add	2,039.43	
23 73 13 00-0057	EA		4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,666.85	2,861.84
			For Economizer, Panel, Controls And Damper(s), Add	2,993.71	
			For Flat Filter Box And Throwaway Filters, Add	1,762.71	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,403.04	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,304.79	
			For Manual Roll Filter, Add	8,981.00	
			For Automatic Roll Filter, Add	8,981.00	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,966.69	
			For Electric Heating Coil, Add	2,278.43	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,422.26	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,422.26	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,981.00	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,981.00	
			For 2 Coils, Independent Circuits, Add	2,278.43	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,497.15	3,064.80
		For Economizer, Panel, Controls And Damper(s), Add	3,158.19	
		For Flat Filter Box And Throwaway Filters, Add	1,930.79	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,730.22	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,717.51	
		For Manual Roll Filter, Add	9,853.09	
		For Automatic Roll Filter, Add	9,853.09	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,149.72	
		For Electric Heating Coil, Add	2,492.09	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,141.23	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,141.23	
		For Chilled Water Cooling Coil, Copper Fins, Add	9,853.09	
		For Direct Expansion Cooling Coil, Copper Fins, Add	9,853.09	
		For 2 Coils, Independent Circuits, Add	2,492.09	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,726.58	3,273.33
		For Economizer, Panel, Controls And Damper(s), Add	3,316.11	
		For Flat Filter Box And Throwaway Filters, Add	2,039.38	
		For Medium Capacity Filter Box And Throwaway Filters, Add	3,938.78	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,981.80	
		For Manual Roll Filter, Add	10,400.08	
		For Automatic Roll Filter, Add	10,400.08	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,272.66	
		For Electric Heating Coil, Add	2,633.88	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	8,593.98	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,593.98	
		For Chilled Water Cooling Coil, Copper Fins, Add	10,400.08	
		For Direct Expansion Cooling Coil, Copper Fins, Add	10,400.08	
		For 2 Coils, Independent Circuits, Add	2,633.88	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	25,061.55	3,497.10
		For Economizer, Panel, Controls And Damper(s), Add	3,499.02	
		For Flat Filter Box And Throwaway Filters, Add	2,256.24	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,362.54	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,515.65	
		For Manual Roll Filter, Add	11,534.65	
		For Automatic Roll Filter, Add	11,534.65	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,506.16	
		For Electric Heating Coil, Add	2,907.42	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	9,528.32	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,528.32	
		For Chilled Water Cooling Coil, Copper Fins, Add	11,534.65	
		For Direct Expansion Cooling Coil, Copper Fins, Add	11,534.65	
		For 2 Coils, Independent Circuits, Add	2,907.42	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,665.91	3,742.65
		For Economizer, Panel, Controls And Damper(s), Add	3,690.39	
		For Flat Filter Box And Throwaway Filters, Add	2,399.28	
		For Medium Capacity Filter Box And Throwaway Filters, Add	4,638.18	
		For Combination Filter Mixing Box And Throwaway Filters, Add	5,864.55	
		For Manual Roll Filter, Add	12,260.48	
		For Automatic Roll Filter, Add	12,260.48	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,666.59	
		For Electric Heating Coil, Add	3,092.99	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	10,128.50	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,128.50	
		For Chilled Water Cooling Coil, Copper Fins, Add	12,260.48	
		For Direct Expansion Cooling Coil, Copper Fins, Add	12,260.48	
		For 2 Coils, Independent Circuits, Add	3,092.99	
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	29,241.22	4,064.15
		For Economizer, Panel, Controls And Damper(s), Add	3,940.70	
		For Flat Filter Box And Throwaway Filters, Add	2,634.06	
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,094.08	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,440.11	
		For Manual Roll Filter, Add	13,472.10	
		For Automatic Roll Filter, Add	13,472.10	
		For Hot Water Heating Coil, Aluminum Fins, Add	2,924.12	
		For Electric Heating Coil, Add	3,392.92	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	11,128.10	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,128.10	
		For Chilled Water Cooling Coil, Copper Fins, Add	13,472.10	
		For Direct Expansion Cooling Coil, Copper Fins, Add	13,472.10	
		For 2 Coils, Independent Circuits, Add	3,392.92	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,418.51	4,377.55
		For Economizer, Panel, Controls And Damper(s), Add	4,188.05	
		For Flat Filter Box And Throwaway Filters, Add	2,829.30	
		For Medium Capacity Filter Box And Throwaway Filters, Add	5,471.07	
		For Combination Filter Mixing Box And Throwaway Filters, Add	6,916.98	
		For Manual Roll Filter, Add	14,467.23	
		For Automatic Roll Filter, Add	14,467.23	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,141.85	
		For Electric Heating Coil, Add	3,645.20	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	11,950.48	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,950.48	
		For Chilled Water Cooling Coil, Copper Fins, Add	14,467.23	
		For Direct Expansion Cooling Coil, Copper Fins, Add	14,467.23	
		For 2 Coils, Independent Circuits, Add	3,645.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0064	EA		7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,975.55	4,733.04
			For Economizer, Panel, Controls And Damper(s), Add	3,639.18	
			For Flat Filter Box And Throwaway Filters, Add	2,960.16	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,717.88	
			For Combination Filter Mixing Box And Throwaway Filters, Add	7,231.70	
			For Manual Roll Filter, Add	15,099.98	
			For Automatic Roll Filter, Add	15,099.98	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,297.56	
			For Electric Heating Coil, Add	3,822.11	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	12,477.22	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	12,477.22	
			For Chilled Water Cooling Coil, Copper Fins, Add	15,099.98	
			For Direct Expansion Cooling Coil, Copper Fins, Add	15,099.98	
			For 2 Coils, Independent Circuits, Add	3,822.11	
23 73 13 00-0065	EA		8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	36,587.66	5,105.35
			For Economizer, Panel, Controls And Damper(s), Add	3,859.02	
			For Flat Filter Box And Throwaway Filters, Add	3,293.89	
			For Medium Capacity Filter Box And Throwaway Filters, Add	6,368.85	
			For Combination Filter Mixing Box And Throwaway Filters, Add	8,052.28	
			For Manual Roll Filter, Add	16,839.32	
			For Automatic Roll Filter, Add	16,839.32	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,658.77	
			For Electric Heating Coil, Add	4,244.57	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	13,910.30	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,910.30	
			For Chilled Water Cooling Coil, Copper Fins, Add	16,839.32	
			For Direct Expansion Cooling Coil, Copper Fins, Add	16,839.32	
			For 2 Coils, Independent Circuits, Add	4,244.57	
23 73 13 00-0066	EA		8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	38,531.42	5,503.30
			For Economizer, Panel, Controls And Damper(s), Add	4,086.84	
			For Flat Filter Box And Throwaway Filters, Add	3,459.79	
			For Medium Capacity Filter Box And Throwaway Filters, Add	6,683.56	
			For Combination Filter Mixing Box And Throwaway Filters, Add	8,452.79	
			For Manual Roll Filter, Add	17,652.08	
			For Automatic Roll Filter, Add	17,652.08	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,853.14	
			For Electric Heating Coil, Add	4,466.43	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	14,585.65	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	14,585.65	
			For Chilled Water Cooling Coil, Copper Fins, Add	17,652.08	
			For Direct Expansion Cooling Coil, Copper Fins, Add	17,652.08	
			For 2 Coils, Independent Circuits, Add	4,466.43	
23 73 13 00-0067	EA		9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,683.77	5,960.75
			For Economizer, Panel, Controls And Damper(s), Add	4,335.28	
			For Flat Filter Box And Throwaway Filters, Add	3,643.97	
			For Medium Capacity Filter Box And Throwaway Filters, Add	7,033.29	
			For Combination Filter Mixing Box And Throwaway Filters, Add	8,897.71	
			For Manual Roll Filter, Add	18,556.38	
			For Automatic Roll Filter, Add	18,556.38	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,068.38	
			For Electric Heating Coil, Add	4,712.29	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	15,336.83	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,336.83	
			For Chilled Water Cooling Coil, Copper Fins, Add	18,556.38	
			For Direct Expansion Cooling Coil, Copper Fins, Add	18,556.38	
			For 2 Coils, Independent Circuits, Add	4,712.29	
23 73 13 00-0068	EA		10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	43,003.58	6,434.54
			For Economizer, Panel, Controls And Damper(s), Add	3,939.47	
			For Flat Filter Box And Throwaway Filters, Add	3,840.45	
			For Medium Capacity Filter Box And Throwaway Filters, Add	7,404.94	
			For Combination Filter Mixing Box And Throwaway Filters, Add	9,371.16	
			For Manual Roll Filter, Add	19,512.76	
			For Automatic Roll Filter, Add	19,512.76	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,300.36	
			For Electric Heating Coil, Add	4,976.46	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	16,132.23	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,132.23	
			For Chilled Water Cooling Coil, Copper Fins, Add	19,512.76	
			For Direct Expansion Cooling Coil, Copper Fins, Add	19,512.76	
			For 2 Coils, Independent Circuits, Add	4,976.46	
23 73 13 00-0069	EA		11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	44,215.50	6,680.44
			For Economizer, Panel, Controls And Damper(s), Add	4,049.80	
			For Flat Filter Box And Throwaway Filters, Add	3,943.25	
			For Medium Capacity Filter Box And Throwaway Filters, Add	7,599.52	
			For Combination Filter Mixing Box And Throwaway Filters, Add	9,618.98	
			For Manual Roll Filter, Add	20,013.83	
			For Automatic Roll Filter, Add	20,013.83	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,421.55	
			For Electric Heating Coil, Add	5,114.54	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	16,548.88	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,548.88	
			For Chilled Water Cooling Coil, Copper Fins, Add	20,013.83	
			For Direct Expansion Cooling Coil, Copper Fins, Add	20,013.83	
			For 2 Coils, Independent Circuits, Add	5,114.54	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	45,372.16	6,918.85
		For Economizer, Panel, Controls And Damper(s), Add	4,143.55	
		For Flat Filter Box And Throwaway Filters, Add	4,043.29	
		For Medium Capacity Filter Box And Throwaway Filters, Add	7,790.23	
		For Combination Filter Mixing Box And Throwaway Filters, Add	9,861.26	
		For Manual Roll Filter, Add	20,509.36	
		For Automatic Roll Filter, Add	20,509.36	
		For Hot Water Heating Coil, Aluminum Fins, Add	4,537.22	
		For Electric Heating Coil, Add	5,247.09	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	16,959.99	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,959.99	
		For Chilled Water Cooling Coil, Copper Fins, Add	20,509.36	
		For Direct Expansion Cooling Coil, Copper Fins, Add	20,509.36	
		For 2 Coils, Independent Circuits, Add	5,247.09	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	51,299.27	7,196.93
		For Economizer, Panel, Controls And Damper(s), Add	3,461.76	
		For Flat Filter Box And Throwaway Filters, Add	4,614.49	
		For Medium Capacity Filter Box And Throwaway Filters, Add	8,919.71	
		For Combination Filter Mixing Box And Throwaway Filters, Add	11,278.49	
		For Manual Roll Filter, Add	23,575.63	
		For Automatic Roll Filter, Add	23,575.63	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,129.93	
		For Electric Heating Coil, Add	5,949.74	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	19,476.58	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	19,476.58	
		For Chilled Water Cooling Coil, Copper Fins, Add	23,575.63	
		For Direct Expansion Cooling Coil, Copper Fins, Add	23,575.63	
		For 2 Coils, Independent Circuits, Add	5,949.74	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	57,180.88	7,482.02
		For Economizer, Panel, Controls And Damper(s), Add	3,606.38	
		For Flat Filter Box And Throwaway Filters, Add	5,183.41	
		For Medium Capacity Filter Box And Throwaway Filters, Add	10,046.01	
		For Combination Filter Mixing Box And Throwaway Filters, Add	12,691.18	
		For Manual Roll Filter, Add	26,637.36	
		For Automatic Roll Filter, Add	26,637.36	
		For Hot Water Heating Coil, Aluminum Fins, Add	5,718.09	
		For Electric Heating Coil, Add	6,647.83	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	21,988.63	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,988.63	
		For Chilled Water Cooling Coil, Copper Fins, Add	26,637.36	
		For Direct Expansion Cooling Coil, Copper Fins, Add	26,637.36	
		For 2 Coils, Independent Circuits, Add	6,647.83	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	65,759.23	7,764.21
		For Economizer, Panel, Controls And Damper(s), Add	3,674.99	
		For Flat Filter Box And Throwaway Filters, Add	6,021.64	
		For Medium Capacity Filter Box And Throwaway Filters, Add	11,710.71	
		For Combination Filter Mixing Box And Throwaway Filters, Add	14,776.96	
		For Manual Roll Filter, Add	31,179.03	
		For Automatic Roll Filter, Add	31,179.03	
		For Hot Water Heating Coil, Aluminum Fins, Add	6,575.92	
		For Electric Heating Coil, Add	7,669.39	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	25,711.67	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	25,711.67	
		For Chilled Water Cooling Coil, Copper Fins, Add	31,179.03	
		For Direct Expansion Cooling Coil, Copper Fins, Add	31,179.03	
		For 2 Coils, Independent Circuits, Add	7,669.39	
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	74,343.12	8,043.63
		For Economizer, Panel, Controls And Damper(s), Add	3,744.57	
		For Flat Filter Box And Throwaway Filters, Add	6,860.15	
		For Medium Capacity Filter Box And Throwaway Filters, Add	13,375.80	
		For Combination Filter Mixing Box And Throwaway Filters, Add	16,863.29	
		For Manual Roll Filter, Add	35,721.26	
		For Automatic Roll Filter, Add	35,721.26	
		For Hot Water Heating Coil, Aluminum Fins, Add	7,434.31	
		For Electric Heating Coil, Add	8,691.51	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	29,435.27	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,435.27	
		For Chilled Water Cooling Coil, Copper Fins, Add	35,721.26	
		For Direct Expansion Cooling Coil, Copper Fins, Add	35,721.26	
		For 2 Coils, Independent Circuits, Add	8,691.51	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	83,482.08	8,720.99
		For Economizer, Panel, Controls And Damper(s), Add	3,914.72	
		For Flat Filter Box And Throwaway Filters, Add	7,725.43	
		For Medium Capacity Filter Box And Throwaway Filters, Add	11,525.87	
		For Combination Filter Mixing Box And Throwaway Filters, Add	19,002.19	
		For Manual Roll Filter, Add	29,656.18	
		For Automatic Roll Filter, Add	36,758.83	
		For Hot Water Heating Coil, Aluminum Fins, Add	8,348.21	
		For Electric Heating Coil, Add	9,768.74	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	29,656.18	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,656.18	
		For Steam Heating Coil, Aluminum Fins, Add	15,450.86	
		For Chilled Water Cooling Coil, Copper Fins, Add	36,758.83	
		For Direct Expansion Cooling Coil, Copper Fins, Add	36,758.83	
		For 2 Coils, Independent Circuits, Add	9,768.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0076	EA		22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	90,035.51	9,483.02
			For Economizer, Panel, Controls And Damper(s), Add	3,785.93	
			For Flat Filter Box And Throwaway Filters, Add	8,329.91	
			For Medium Capacity Filter Box And Throwaway Filters, Add	12,427.50	
			For Combination Filter Mixing Box And Throwaway Filters, Add	20,487.94	
			For Manual Roll Filter, Add	31,972.34	
			For Automatic Roll Filter, Add	39,628.60	
			For Hot Water Heating Coil, Aluminum Fins, Add	9,003.55	
			For Electric Heating Coil, Add	10,534.80	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	31,972.34	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	31,972.34	
			For Steam Heating Coil, Aluminum Fins, Add	16,659.81	
			For Chilled Water Cooling Coil, Copper Fins, Add	39,628.60	
			For Direct Expansion Cooling Coil, Copper Fins, Add	39,628.60	
			For 2 Coils, Independent Circuits, Add	10,534.80	
23 73 13 00-0077	EA		25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	107,449.36	10,244.67
			For Economizer, Panel, Controls And Damper(s), Add	3,959.79	
			For Flat Filter Box And Throwaway Filters, Add	10,013.34	
			For Medium Capacity Filter Box And Throwaway Filters, Add	14,946.85	
			For Combination Filter Mixing Box And Throwaway Filters, Add	24,667.56	
			For Manual Roll Filter, Add	38,590.17	
			For Automatic Roll Filter, Add	47,871.92	
			For Hot Water Heating Coil, Aluminum Fins, Add	10,744.94	
			For Electric Heating Coil, Add	12,601.29	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	38,590.17	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	38,590.17	
			For Steam Heating Coil, Aluminum Fins, Add	20,026.68	
			For Chilled Water Cooling Coil, Copper Fins, Add	47,871.92	
			For Direct Expansion Cooling Coil, Copper Fins, Add	47,871.92	
			For 2 Coils, Independent Circuits, Add	12,601.29	
23 73 13 00-0078	EA		27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	121,479.26	11,091.74
			For Economizer, Panel, Controls And Damper(s), Add	4,138.43	
			For Flat Filter Box And Throwaway Filters, Add	11,356.78	
			For Medium Capacity Filter Box And Throwaway Filters, Add	16,956.06	
			For Combination Filter Mixing Box And Throwaway Filters, Add	27,996.39	
			For Manual Roll Filter, Add	43,844.85	
			For Automatic Roll Filter, Add	54,410.49	
			For Hot Water Heating Coil, Aluminum Fins, Add	12,147.93	
			For Electric Heating Coil, Add	14,261.05	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	43,844.85	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,844.85	
			For Steam Heating Coil, Aluminum Fins, Add	22,713.57	
			For Chilled Water Cooling Coil, Copper Fins, Add	54,410.49	
			For Direct Expansion Cooling Coil, Copper Fins, Add	54,410.49	
			For 2 Coils, Independent Circuits, Add	14,261.05	
23 73 13 00-0079	EA		30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	131,671.25	11,938.80
			For Economizer, Panel, Controls And Damper(s), Add	4,324.43	
			For Flat Filter Box And Throwaway Filters, Add	12,313.98	
			For Medium Capacity Filter Box And Throwaway Filters, Add	18,385.66	
			For Combination Filter Mixing Box And Throwaway Filters, Add	30,358.38	
			For Manual Roll Filter, Add	47,549.63	
			For Automatic Roll Filter, Add	59,010.47	
			For Hot Water Heating Coil, Aluminum Fins, Add	13,167.13	
			For Electric Heating Coil, Add	15,459.29	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	47,549.63	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	47,549.63	
			For Steam Heating Coil, Aluminum Fins, Add	24,627.96	
			For Chilled Water Cooling Coil, Copper Fins, Add	59,010.47	
			For Direct Expansion Cooling Coil, Copper Fins, Add	59,010.47	
			For 2 Coils, Independent Circuits, Add	15,459.29	
23 73 13 00-0080	EA		32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	147,149.66	13,970.15
			For Economizer, Panel, Controls And Damper(s), Add	4,322.24	
			For Flat Filter Box And Throwaway Filters, Add	13,718.07	
			For Medium Capacity Filter Box And Throwaway Filters, Add	20,477.42	
			For Combination Filter Mixing Box And Throwaway Filters, Add	33,796.73	
			For Manual Roll Filter, Add	52,878.49	
			For Automatic Roll Filter, Add	65,599.67	
			For Hot Water Heating Coil, Aluminum Fins, Add	14,714.97	
			For Electric Heating Coil, Add	17,259.20	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	52,878.49	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	52,878.49	
			For Steam Heating Coil, Aluminum Fins, Add	27,436.14	
			For Chilled Water Cooling Coil, Copper Fins, Add	65,599.67	
			For Direct Expansion Cooling Coil, Copper Fins, Add	65,599.67	
			For 2 Coils, Independent Circuits, Add	17,259.20	
23 73 13 00-0081	EA		35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	147,895.37	14,478.52
			For Economizer, Panel, Controls And Damper(s), Add	4,415.45	
			For Flat Filter Box And Throwaway Filters, Add	13,755.36	
			For Medium Capacity Filter Box And Throwaway Filters, Add	20,529.62	
			For Combination Filter Mixing Box And Throwaway Filters, Add	33,871.30	
			For Manual Roll Filter, Add	52,953.06	
			For Automatic Roll Filter, Add	65,674.24	
			For Hot Water Heating Coil, Aluminum Fins, Add	14,789.54	
			For Electric Heating Coil, Add	17,333.77	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	52,953.06	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	52,953.06	
			For Steam Heating Coil, Aluminum Fins, Add	27,510.71	
			For Chilled Water Cooling Coil, Copper Fins, Add	65,674.24	
			For Direct Expansion Cooling Coil, Copper Fins, Add	65,674.24	
			For 2 Coils, Independent Circuits, Add	17,333.77	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	154,687.54	14,986.06
		For Economizer, Panel, Controls And Damper(s), Add	4,508.66	
		For Flat Filter Box And Throwaway Filters, Add	14,397.29	
		For Medium Capacity Filter Box And Throwaway Filters, Add	21,488.79	
		For Combination Filter Mixing Box And Throwaway Filters, Add	35,457.49	
		For Manual Roll Filter, Add	55,446.22	
		For Automatic Roll Filter, Add	68,772.05	
		For Hot Water Heating Coil, Aluminum Fins, Add	15,468.75	
		For Electric Heating Coil, Add	18,133.92	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	55,446.22	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	55,446.22	
		For Steam Heating Coil, Aluminum Fins, Add	28,794.58	
		For Chilled Water Cooling Coil, Copper Fins, Add	68,772.05	
		For Direct Expansion Cooling Coil, Copper Fins, Add	68,772.05	
		For 2 Coils, Independent Circuits, Add	18,133.92	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	161,839.25	16,087.25
		For Economizer, Panel, Controls And Damper(s), Add	4,700.80	
		For Flat Filter Box And Throwaway Filters, Add	15,035.60	
		For Medium Capacity Filter Box And Throwaway Filters, Add	22,438.57	
		For Combination Filter Mixing Box And Throwaway Filters, Add	37,014.85	
		For Manual Roll Filter, Add	57,845.77	
		For Automatic Roll Filter, Add	71,733.05	
		For Hot Water Heating Coil, Aluminum Fins, Add	16,183.93	
		For Electric Heating Coil, Add	18,961.38	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	57,845.77	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	57,845.77	
		For Steam Heating Coil, Aluminum Fins, Add	30,071.21	
		For Chilled Water Cooling Coil, Copper Fins, Add	71,733.05	
		For Direct Expansion Cooling Coil, Copper Fins, Add	71,733.05	
		For 2 Coils, Independent Circuits, Add	18,961.38	
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	174,421.90	16,933.95
		For Economizer, Panel, Controls And Damper(s), Add	4,840.54	
		For Flat Filter Box And Throwaway Filters, Add	16,237.97	
		For Medium Capacity Filter Box And Throwaway Filters, Add	24,236.54	
		For Combination Filter Mixing Box And Throwaway Filters, Add	39,992.83	
		For Manual Roll Filter, Add	62,543.46	
		For Automatic Roll Filter, Add	77,577.22	
		For Hot Water Heating Coil, Aluminum Fins, Add	17,442.19	
		For Electric Heating Coil, Add	20,448.94	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	62,543.46	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	62,543.46	
		For Steam Heating Coil, Aluminum Fins, Add	32,475.95	
		For Chilled Water Cooling Coil, Copper Fins, Add	77,577.22	
		For Direct Expansion Cooling Coil, Copper Fins, Add	77,577.22	
		For 2 Coils, Independent Circuits, Add	20,448.94	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	187,513.69	17,865.32
		For Economizer, Panel, Controls And Damper(s), Add	4,455.43	
		For Flat Filter Box And Throwaway Filters, Add	17,473.65	
		For Medium Capacity Filter Box And Throwaway Filters, Add	26,082.71	
		For Combination Filter Mixing Box And Throwaway Filters, Add	43,045.28	
		For Manual Roll Filter, Add	67,339.19	
		For Automatic Roll Filter, Add	83,535.13	
		For Hot Water Heating Coil, Aluminum Fins, Add	18,751.37	
		For Electric Heating Coil, Add	21,990.56	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	67,339.19	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	67,339.19	
		For Steam Heating Coil, Aluminum Fins, Add	34,947.31	
		For Chilled Water Cooling Coil, Copper Fins, Add	83,535.13	
		For Direct Expansion Cooling Coil, Copper Fins, Add	83,535.13	
		For 2 Coils, Independent Circuits, Add	21,990.56	
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	201,996.07	18,966.03
		For Economizer, Panel, Controls And Damper(s), Add	4,607.99	
		For Flat Filter Box And Throwaway Filters, Add	18,845.61	
		For Medium Capacity Filter Box And Throwaway Filters, Add	28,133.02	
		For Combination Filter Mixing Box And Throwaway Filters, Add	46,437.03	
		For Manual Roll Filter, Add	72,674.45	
		For Automatic Roll Filter, Add	90,166.07	
		For Hot Water Heating Coil, Aluminum Fins, Add	20,199.61	
		For Electric Heating Coil, Add	23,697.93	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	72,674.45	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	72,674.45	
		For Steam Heating Coil, Aluminum Fins, Add	37,691.22	
		For Chilled Water Cooling Coil, Copper Fins, Add	90,166.07	
		For Direct Expansion Cooling Coil, Copper Fins, Add	90,166.07	
		For 2 Coils, Independent Circuits, Add	23,697.93	
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	216,703.71	19,474.05
		For Economizer, Panel, Controls And Damper(s), Add	4,677.07	
		For Flat Filter Box And Throwaway Filters, Add	20,281.84	
		For Medium Capacity Filter Box And Throwaway Filters, Add	30,283.90	
		For Combination Filter Mixing Box And Throwaway Filters, Add	50,010.32	
		For Manual Roll Filter, Add	78,350.27	
		For Automatic Roll Filter, Add	97,243.57	
		For Hot Water Heating Coil, Aluminum Fins, Add	21,670.37	
		For Electric Heating Coil, Add	25,449.03	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	78,350.27	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	78,350.27	
		For Steam Heating Coil, Aluminum Fins, Add	40,563.67	
		For Chilled Water Cooling Coil, Copper Fins, Add	97,243.57	
		For Direct Expansion Cooling Coil, Copper Fins, Add	97,243.57	
		For 2 Coils, Independent Circuits, Add	25,449.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 73 13 00-0088
Return/Supply Air Fan (23 73 13)

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan.....	3,798.66	677.24
23 73 13 00-0090	EA	500 CFM Return Air Fan.....	4,933.17	812.71
23 73 13 00-0091	EA	750 CFM Return Air Fan.....	5,153.16	846.58
23 73 13 00-0092	EA	1,000 CFM Return Air Fan.....	5,889.71	897.38
23 73 13 00-0093	EA	1,250 CFM Return Air Fan.....	6,067.34	939.71
23 73 13 00-0094	EA	1,500 CFM Return Air Fan.....	6,205.76	982.05
23 73 13 00-0095	EA	1,750 CFM Return Air Fan.....	6,512.77	1,032.85
23 73 13 00-0096	EA	2,000 CFM Return Air Fan.....	7,249.32	1,083.65
23 73 13 00-0097	EA	2,250 CFM Return Air Fan.....	7,595.27	1,134.46
23 73 13 00-0098	EA	2,500 CFM Return Air Fan.....	7,785.03	1,185.26
23 73 13 00-0099	EA	3,000 CFM Return Air Fan.....	8,239.46	1,312.26
23 73 13 00-0100	EA	3,500 CFM Return Air Fan.....	8,453.62	1,379.99
23 73 13 00-0101	EA	4,000 CFM Return Air Fan.....	8,655.39	1,439.27
23 73 13 00-0102	EA	4,500 CFM Return Air Fan.....	8,908.58	1,507.12
23 73 13 00-0103	EA	5,000 CFM Return Air Fan.....	9,134.46	1,583.33
23 73 13 00-0104	EA	5,500 CFM Return Air Fan.....	9,556.55	1,769.60
23 73 13 00-0105	EA	6,000 CFM Return Air Fan.....	10,848.28	2,099.81
23 73 13 00-0106	EA	6,500 CFM Return Air Fan.....	11,131.71	2,133.68
23 73 13 00-0107	EA	7,000 CFM Return Air Fan.....	11,260.42	2,142.14
23 73 13 00-0108	EA	8,000 CFM Return Air Fan.....	11,856.27	2,176.01
23 73 13 00-0109	EA	9,000 CFM Return Air Fan.....	12,122.87	2,201.42
23 73 13 00-0110	EA	10,000 CFM Return Air Fan.....	12,755.65	2,286.45
23 73 13 00-0111	EA	12,500 CFM Return Air Fan.....	13,595.01	2,328.30
23 73 13 00-0112	EA	15,000 CFM Return Air Fan.....	15,370.50	2,394.46
23 73 13 00-0113	EA	17,500 CFM Return Air Fan.....	16,764.58	2,523.04
23 73 13 00-0114	EA	20,000 CFM Return Air Fan.....	19,967.35	2,632.87
23 73 13 00-0115	EA	22,500 CFM Return Air Fan.....	20,926.93	2,724.67
23 73 13 00-0116	EA	25,000 CFM Return Air Fan.....	21,882.73	2,802.57
23 73 13 00-0117	EA	27,500 CFM Return Air Fan.....	23,184.71	3,081.98
23 73 13 00-0118	EA	30,000 CFM Return Air Fan.....	24,792.23	3,251.08
23 73 13 00-0119	EA	35,000 CFM Return Air Fan.....	27,993.97	3,386.43
23 73 13 00-0120	EA	40,000 CFM Return Air Fan.....	33,007.94	3,725.11
23 73 13 00-0121	EA	45,000 CFM Return Air Fan.....	40,644.72	4,233.12
23 73 13 00-0122	EA	50,000 CFM Return Air Fan.....	49,532.81	4,385.90
23 73 13 00-0123	EA	55,000 CFM Return Air Fan.....	51,855.72	4,512.53
23 73 13 00-0124	EA	60,000 CFM Return Air Fan.....	53,047.24	4,631.07
23 73 13 00-0125	EA	65,000 CFM Return Air Fan.....	55,634.35	4,834.16
23 73 13 00-0126	EA	70,000 CFM Return Air Fan.....	58,435.37	5,072.20
23 73 13 00-0127	EA	75,000 CFM Return Air Fan.....	62,860.83	5,321.01
23 73 13 00-0128	EA	80,000 CFM Return Air Fan.....	65,645.82	5,603.08
23 73 13 00-0129	EA	90,000 CFM Return Air Fan.....	67,773.03	5,922.16
23 73 13 00-0130	EA	100,000 CFM Return Air Fan.....	72,884.46	6,193.23
23 73 13 00-0131	EA	115,000 CFM Return Air Fan.....	78,423.42	6,489.45
23 73 13 00-0132	EA	130,000 CFM Return Air Fan.....	84,434.53	6,816.40
23 73 13 00-0133	EA	150,000 CFM Return Air Fan.....	92,408.40	7,179.51

23 73 13 00-0134
Removal And Reinstallation Of Air Handling Unit (23 73 13)

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	3,101.46	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit.....	4,207.20	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit.....	5,233.71	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit.....	9,549.22	

23 74 Packaged Outdoor HVAC Equipment (23 70)
23 74 16 Packaged Rooftop Air-Conditioning Units (23 74)
23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units (23 74 16)
23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13)

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	6,203.11	1,997.25
		For Unit Without Heat, Deduct	-443.31	
		For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
		For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	7,004.39	2,088.02
		For Unit Without Heat, Deduct	-489.42	
		For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
		For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	8,340.33	2,178.81
		For Unit Without Heat, Deduct	-562.27	
		For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
		For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit.....	9,944.58	2,314.99
		For Unit Without Heat, Deduct	-651.56	
		For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
		For Unit Without Roof Curb, Deduct	-817.58	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,768.18	2,451.16
		For Unit Without Heat, Deduct	-701.82	
		For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
		For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	12,513.94	2,632.72
		For Unit Without Heat, Deduct	-801.21	
		For Unit Without Factory Installed Economizer, Deduct	-1,160.14	
		For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	14,977.77	2,768.91
		For Unit Without Heat, Deduct	-933.48	
		For Unit Without Factory Installed Economizer, Deduct	-1,160.14	
		For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	15,793.10	2,950.47
		For Unit Without Heat, Deduct	-986.35	
		For Unit Without Factory Installed Economizer, Deduct	-1,186.42	
		For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	19,357.47	3,188.32
		For Unit Without Heat, Deduct	-1,180.46	
		For Unit Without Factory Installed Economizer, Deduct	-1,281.34	
		For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	21,014.49	3,427.08
		For Unit Without Heat, Deduct	-1,279.20	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	23,998.15	3,665.25
		For Unit Without Heat, Deduct	-1,444.27	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	27,050.17	3,903.70
		For Unit Without Heat, Deduct	-1,612.76	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	30,104.82	4,300.72
		For Unit Without Heat, Deduct	-1,791.97	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	32,124.80	4,698.06
		For Unit Without Heat, Deduct	-1,919.44	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	34,517.21	5,140.78
		For Unit Without Heat, Deduct	-2,068.57	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-1,425.88	
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	37,687.02	5,583.20
		For Unit Without Heat, Deduct	-2,256.56	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-1,425.88	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	43,701.84	6,513.73
		For Unit Without Heat, Deduct	-2,619.34	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-1,425.88	
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	50,159.34	7,444.26
		For Unit Without Heat, Deduct	-3,004.25	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-2,152.06	
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	54,894.90	8,397.49
		For Unit Without Heat, Deduct	-3,304.58	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-2,152.06	
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	63,278.82	9,350.73
		For Unit Without Heat, Deduct	-3,787.32	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-2,152.06	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	70,457.74	10,258.56
		For Unit Without Heat, Deduct	-4,206.79	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-2,670.39	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	76,192.84	11,166.40
		For Unit Without Heat, Deduct	-4,554.07	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-2,670.39	
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	81,671.52	12,074.23
		For Unit Without Heat, Deduct	-4,888.53	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-2,901.74	
23 74 16 13-0025	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	87,830.83	12,982.08
		For Unit Without Heat, Deduct	-5,257.01	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-2,901.74	
23 74 16 13-0026	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	95,136.45	13,980.70
		For Unit Without Heat, Deduct	-5,688.87	
		For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
		For Unit Without Roof Curb, Deduct	-3,230.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
23 74 16 13-0027			Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units (23 74 16 13) Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.		
23 74 16 13-0028	EA		2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,068.47	1,815.68
			For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
			For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0029	EA		3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,082.92	2,088.02
			For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
			For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0030	EA		4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit.....	8,914.85	2,405.77
			For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
			For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0031	EA		5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit.....	10,109.51	2,587.34
			For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
			For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0032	EA		6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	11,432.25	2,791.60
			For Unit Without Factory Installed Economizer, Deduct	-1,136.65	
			For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0033	EA		7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit.....	13,357.77	2,927.78
			For Unit Without Factory Installed Economizer, Deduct	-1,160.14	
			For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0034	EA		8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit.....	16,621.12	2,428.46
			For Unit Without Factory Installed Economizer, Deduct	-1,160.14	
			For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0035	EA		10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit.....	17,106.53	3,268.21
			For Unit Without Factory Installed Economizer, Deduct	-1,186.42	
			For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0036	EA		12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	21,337.53	3,540.57
			For Unit Without Factory Installed Economizer, Deduct	-1,281.34	
			For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0037	EA		15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	23,208.44	3,812.91
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0038	EA		17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit.....	26,947.42	4,085.27
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0039	EA		20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	34,088.51	4,357.62
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0040	EA		22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit.....	41,582.05	4,811.54
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0041	EA		25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	49,075.59	5,204.94
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0042	EA		27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit.....	50,587.18	5,719.37
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-1,425.88	
23 74 16 13-0043	EA		30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	52,830.56	6,173.29
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-1,425.88	
23 74 16 13-0044	EA		35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit.....	58,849.51	7,217.31
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-1,425.88	
23 74 16 13-0045	EA		40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit.....	65,421.32	8,261.32
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-2,152.06	
23 74 16 13-0046	EA		45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit.....	70,841.55	9,305.34
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-2,152.06	
23 74 16 13-0047	EA		50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit.....	75,674.33	10,349.34
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-2,152.06	
23 74 16 13-0048	EA		55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit.....	83,231.25	11,393.36
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-2,670.39	
23 74 16 13-0049	EA		60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit.....	90,472.87	12,437.38
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-2,670.39	
23 74 16 13-0050	EA		65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit.....	97,608.33	12,959.38
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-2,901.74	
23 74 16 13-0051	EA		70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit.....	104,819.99	13,458.69
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-2,901.74	
23 74 16 13-0052	EA		75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit.....	115,176.10	13,980.70
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-3,230.51	
23 74 16 13-0053	EA		80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	109,715.20	14,525.40
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-3,230.51	
23 74 16 13-0054	EA		90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	158,269.74	17,067.34
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-3,230.51	
23 74 16 13-0055	EA		100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	178,367.17	20,789.48
			For Unit Without Factory Installed Economizer, Deduct	-2,422.12	
			For Unit Without Roof Curb, Deduct	-3,230.51	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 74 16 13-0056	Dedicated Outdoor Air Systems (DOAS) Rooftop Air-Conditioning Units (23 74 16 13)			
	Note: Units < 5 tons have 14 SEER minimum, units 5 to < 20 tons have 11 EER minimum, and units 20 tons and over have 10 EER minimum. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment, 07 72 13 00-0000 for roof curbs, 23 09 23 00-0000 for controls, 26 28 16 16-0001 for disconnects.			
23 74 16 13-0057	AAON RQ Rooftop Units (23 74 16 13-0056)			
	Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.			
23 74 16 13-0058	EA	2 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-002).....	15,345.57	1,815.68
		For Factory Installed And Wired Dry Bulb Economizer, Add	1,636.56	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,775.57	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,397.90	
		For Factory Installed Non-Fused Disconnect, Add	1,599.85	
		For Factory Installed Exhaust Fan, Add	8,156.60	
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,904.08	
23 74 16 13-0059	EA	3 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-003).....	16,731.56	2,088.02
		For Factory Installed And Wired Dry Bulb Economizer, Add	1,754.59	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,904.08	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,497.56	
		For Factory Installed Non-Fused Disconnect, Add	1,715.25	
		For Factory Installed Exhaust Fan, Add	8,156.60	
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,904.08	
23 74 16 13-0060	EA	4 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-004).....	17,388.63	2,405.77
		For Factory Installed And Wired Dry Bulb Economizer, Add	1,754.59	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,904.08	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,497.56	
		For Factory Installed Non-Fused Disconnect, Add	1,715.25	
		For Factory Installed Exhaust Fan, Add	8,156.60	
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,904.08	
23 74 16 13-0061	EA	5 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-005).....	17,837.91	2,587.34
		For Factory Installed And Wired Dry Bulb Economizer, Add	1,754.59	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,904.08	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,497.56	
		For Factory Installed Non-Fused Disconnect, Add	1,715.25	
		For Factory Installed Exhaust Fan, Add	8,156.60	
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,904.08	
23 74 16 13-0062	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-006).....	19,513.42	3,154.80
		For Factory Installed And Wired Dry Bulb Economizer, Add	1,754.59	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	1,904.08	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,497.56	
		For Factory Installed Non-Fused Disconnect, Add	1,715.25	
		For Factory Installed Exhaust Fan, Add	8,156.60	
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,904.08	
23 74 16 13-0063	AAON RNA Rooftop Units (23 74 16 13-0056)			
	Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.			
23 74 16 13-0064	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-006).....	23,607.45	2,791.66
		For Factory Installed And Wired Dry Bulb Economizer, Add	1,707.38	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,622.70	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,749.34	
		For Factory Installed Non-Fused Disconnect, Add	1,615.58	
		For Factory Installed Exhaust Fan, Add	4,356.30	
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,484.45	
23 74 16 13-0065	EA	7 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-007).....	25,202.65	2,927.84
		For Factory Installed And Wired Dry Bulb Economizer, Add	1,707.38	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,622.70	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,749.34	
		For Factory Installed Non-Fused Disconnect, Add	1,615.58	
		For Factory Installed Exhaust Fan, Add	4,356.30	
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,484.45	
23 74 16 13-0066	EA	8 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-008).....	28,935.75	3,154.80
		For Factory Installed And Wired Dry Bulb Economizer, Add	1,707.38	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,622.70	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,749.34	
		For Factory Installed Non-Fused Disconnect, Add	1,615.58	
		For Factory Installed Exhaust Fan, Add	4,356.30	
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,484.45	
23 74 16 13-0067	EA	10 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-010).....	29,226.06	3,268.21
		For Factory Installed And Wired Dry Bulb Economizer, Add	1,707.38	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,622.70	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,749.34	
		For Factory Installed Non-Fused Disconnect, Add	1,615.58	
		For Factory Installed Exhaust Fan, Add	4,356.30	
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,484.45	
23 74 16 13-0068	AAON RNB Rooftop Units (23 74 16 13-0056)			
	Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0069	EA	9 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-009)	34,668.16	3,268.21	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,515.17		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,967.02		
		For Factory Installed Non-Fused Disconnect, Add	1,560.51		
		For Factory Installed Exhaust Fan, Add	4,154.36		
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,492.32		
23 74 16 13-0070	EA	11 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-011)	34,932.65	3,177.44	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,515.17		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,967.02		
		For Factory Installed Non-Fused Disconnect, Add	1,560.51		
		For Factory Installed Exhaust Fan, Add	4,154.36		
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,492.32		
23 74 16 13-0071	EA	13 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-013)	38,086.75	3,540.57	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,515.17		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,967.02		
		For Factory Installed Non-Fused Disconnect, Add	1,560.51		
		For Factory Installed Exhaust Fan, Add	4,154.36		
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,492.32		
23 74 16 13-0072	EA	15 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-015)	39,058.35	3,812.91	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	2,515.17		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,967.02		
		For Factory Installed Non-Fused Disconnect, Add	1,560.51		
		For Factory Installed Exhaust Fan, Add	4,154.36		
		For Hot Water Coil In Lieu Of Gas Heat, Add	1,492.32		
23 74 16 13-0073 AAON RNC Rooftop Units (23 74 16 13-0056)					
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.					
23 74 16 13-0074	EA	16 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-016)	50,314.97	3,812.91	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	3,713.74		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,622.70		
		For Factory Installed Non-Fused Disconnect, Add	1,560.51		
		For Factory Installed Exhaust Fan, Add	7,618.94		
		For Hot Water Coil In Lieu Of Gas Heat, Add	679.28		
23 74 16 13-0075	EA	18 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-018)	54,355.14	4,085.27	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	3,713.74		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,622.70		
		For Factory Installed Non-Fused Disconnect, Add	1,560.51		
		For Factory Installed Exhaust Fan, Add	7,618.94		
		For Hot Water Coil In Lieu Of Gas Heat, Add	679.28		
23 74 16 13-0076	EA	20 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-020)	57,595.37	4,357.62	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	3,713.74		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,622.70		
		For Factory Installed Non-Fused Disconnect, Add	1,560.51		
		For Factory Installed Exhaust Fan, Add	7,618.94		
		For Hot Water Coil In Lieu Of Gas Heat, Add	679.28		
23 74 16 13-0077	EA	25 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-025)	62,312.37	5,265.46	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	3,713.74		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,622.70		
		For Factory Installed Non-Fused Disconnect, Add	1,560.51		
		For Factory Installed Exhaust Fan, Add	7,618.94		
		For Hot Water Coil In Lieu Of Gas Heat, Add	679.28		
23 74 16 13-0078	EA	30 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-030)	70,669.68	6,173.29	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	3,713.74		
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	2,622.70		
		For Factory Installed Non-Fused Disconnect, Add	1,560.51		
		For Factory Installed Exhaust Fan, Add	7,618.94		
		For Hot Water Coil In Lieu Of Gas Heat, Add	679.28		
23 74 16 13-0079 AAON RND Rooftop Units (23 74 16 13-0056)					
Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.					
23 74 16 13-0080	EA	26 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-026)	94,642.39	5,265.46	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,278.38		
		For Factory Installed Non-Fused Disconnect, Add	3,551.14		
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,983.13		
23 74 16 13-0081	EA	31 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-031)	107,841.21	6,173.29	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,278.38		
		For Factory Installed Non-Fused Disconnect, Add	3,551.14		
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,983.13		
23 74 16 13-0082	EA	40 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-040)	127,066.95	8,261.32	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,278.38		
		For Factory Installed Non-Fused Disconnect, Add	3,551.14		
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,983.13		
23 74 16 13-0083	EA	50 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-050)	149,022.91	10,349.34	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,278.38		
		For Factory Installed Non-Fused Disconnect, Add	3,551.14		
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,983.13		
23 74 16 13-0084	EA	60 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-060)	163,700.89	12,437.38	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,278.38		
		For Factory Installed Non-Fused Disconnect, Add	3,551.14		
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,983.13		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 74 16 13-0085	EA	70 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-070).....	172,267.21	13,458.75
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,278.38	
		For Factory Installed Non-Fused Disconnect, Add	3,551.14	
		For Hot Water Coil In Lieu Of Gas Heat, Add	4,983.13	

23 74 16 13-0086 AAON RNE Rooftop Units (23 74 16 13-0056)

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0087	EA	55 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-055).....	159,067.23	11,393.36
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,703.25	
		For Factory Installed Non-Fused Disconnect, Add	5,318.84	
		For Hot Water Coil In Lieu Of Gas Heat, Add	7,081.29	
23 74 16 13-0088	EA	65 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-065).....	175,226.03	12,959.44
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,703.25	
		For Factory Installed Non-Fused Disconnect, Add	5,318.84	
		For Hot Water Coil In Lieu Of Gas Heat, Add	7,081.29	
23 74 16 13-0089	EA	75 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-075).....	186,315.39	13,980.70
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,703.25	
		For Factory Installed Non-Fused Disconnect, Add	5,318.84	
		For Hot Water Coil In Lieu Of Gas Heat, Add	7,081.29	
23 74 16 13-0090	EA	95 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-090).....	225,522.99	18,928.41
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,703.25	
		For Factory Installed Non-Fused Disconnect, Add	5,318.84	
		For Hot Water Coil In Lieu Of Gas Heat, Add	7,081.29	
23 74 16 13-0091	EA	105 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-105).....	244,297.61	21,606.53
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,703.25	
		For Factory Installed Non-Fused Disconnect, Add	5,318.84	
		For Hot Water Coil In Lieu Of Gas Heat, Add	7,081.29	
23 74 16 13-0092	EA	120 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-120).....	284,848.91	23,785.33
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,703.25	
		For Factory Installed Non-Fused Disconnect, Add	5,318.84	
		For Hot Water Coil In Lieu Of Gas Heat, Add	7,081.29	
23 74 16 13-0093	EA	130 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-130).....	291,839.58	25,237.88
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,703.25	
		For Factory Installed Non-Fused Disconnect, Add	5,318.84	
		For Hot Water Coil In Lieu Of Gas Heat, Add	7,081.29	
23 74 16 13-0094	EA	140 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-140).....	305,902.59	28,233.76
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	3,703.25	
		For Factory Installed Non-Fused Disconnect, Add	5,318.84	
		For Hot Water Coil In Lieu Of Gas Heat, Add	7,081.29	

23 74 16 13-0095 Heat Pump, Packaged Rooftop Heat Pump Units (23 74 16 13)

See CSI section 01 22 23 00-0899 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0096 Packaged Rooftop Heat Pump Units (23 74 16 13-0095)

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 16 13-0097	EA	2 Ton Packaged Rooftop Heat Pump	7,253.05	1,634.11
		For Economizer With Outside Air Control, Add	2,155.00	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	253.71	
		For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0098	EA	2.5 Ton Packaged Rooftop Heat Pump	7,639.50	1,756.73
		For Economizer With Outside Air Control, Add	2,283.54	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	264.86	
		For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0099	EA	3 Ton Packaged Rooftop Heat Pump	8,081.71	1,879.22
		For Economizer With Outside Air Control, Add	2,423.79	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	278.80	
		For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0100	EA	3.5 Ton Packaged Rooftop Heat Pump	8,672.92	2,022.18
		For Economizer With Outside Air Control, Add	2,364.17	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	298.83	
		For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0101	EA	4 Ton Packaged Rooftop Heat Pump	9,264.37	2,165.26
		For Economizer With Outside Air Control, Add	2,527.63	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	318.87	
		For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0102	EA	5 Ton Packaged Rooftop Heat Pump	9,930.17	2,328.66
		For Economizer With Outside Air Control, Add	2,712.71	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	273.01	
		For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0103	EA	6 Ton Packaged Rooftop Heat Pump	11,164.13	2,512.41
		For Economizer With Outside Air Control, Add	3,003.38	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	234.43	
		For Unit Without Roof Curb, Deduct	-817.58	
23 74 16 13-0104	EA	7.5 Ton Packaged Rooftop Heat Pump	14,312.29	2,635.03
		For Economizer With Outside Air Control, Add	3,052.54	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	323.97	
		For Unit Without Roof Curb, Deduct	-981.10	
23 74 16 13-0105	EA	8.5 Ton Packaged Rooftop Heat Pump	16,000.64	2,839.23
		For Economizer With Outside Air Control, Add	3,236.49	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	366.45	
		For Unit Without Roof Curb, Deduct	-981.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0106	EA		10 Ton Packaged Rooftop Heat Pump For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	17,195.53 3,288.30 265.47 -981.10	2,941.40
23 74 16 13-0107	EA		12.5 Ton Packaged Rooftop Heat Pump For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	19,931.41 3,692.61 313.65 -981.10	3,186.51
23 74 16 13-0108	EA		15 Ton Packaged Rooftop Heat Pump For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	22,667.30 4,096.93 361.84 -981.10	3,431.62
23 74 16 13-0109	EA		17.5 Ton Packaged Rooftop Heat Pump For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	25,374.63 4,498.40 409.45 -981.10	3,676.74
23 74 16 13-0110	EA		20 Ton Packaged Rooftop Heat Pump For Economizer With Outside Air Control, Add For Upgrade Of Economizer To OS Air Enthalpy Control, Add For Unit Without Roof Curb, Deduct	28,081.94 4,899.85 457.06 -981.10	3,921.86
23 74 16 13-0111 Heating Only Packaged Rooftop Units (23 74 16 13-0095)					
Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment, 26 28 16 16-0001 for disconnects.					
23 74 16 13-0112	EA		24 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	7,125.84 455.23 -817.58	1,634.11
23 74 16 13-0113	EA		32 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	8,367.11 535.59 -817.58	1,879.22
23 74 16 13-0114	EA		45 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	11,401.81 740.39 -817.58	2,165.26
23 74 16 13-0115	EA		60 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	12,848.95 837.33 -817.58	2,328.66
23 74 16 13-0116	EA		95 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	15,086.38 985.78 -981.10	2,635.03
23 74 16 13-0117	EA		112 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	16,977.76 1,112.73 -981.10	2,839.23
23 74 16 13-0118	EA		140 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	20,040.18 1,324.38 -981.10	2,941.40
23 74 16 13-0119	EA		170 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	25,982.65 1,727.28 -981.10	3,431.62
23 74 16 13-0120	EA		200 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	34,209.73 2,296.63 -981.10	3,676.74
23 74 16 13-0121	EA		230 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	39,888.33 2,687.60 -981.10	3,921.86
23 74 16 13-0122	EA		270 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	51,772.23 3,508.58 -981.10	4,330.39
23 74 16 13-0123	EA		330 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	64,713.52 4,392.68 -1,425.88	5,510.57
23 74 16 13-0124	EA		360 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	72,317.49 4,914.07 -1,425.88	5,555.96
23 74 16 13-0125	EA		450 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	88,020.13 5,988.19 -1,425.88	6,495.63
23 74 16 13-0126	EA		540 MBH Electric Heating Only, Self Contained Package Rooftop Unit For Gas Heat, Add For Unit Without Roof Curb, Deduct	114,150.07 7,767.18 -2,152.06	8,374.87
23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)					
23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units (23 74 23)					
23 74 23 13-0001 Make-Up Air Units (23 74 23 13)					
Note: Units are shipped fully factory assembled in one piece, prewired, prepped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0899 for crane lifting equipment.					
23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units (23 74 23 13-0001)					
Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0900 for crane lifting equipment.					
23 74 23 13-0003	EA		100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	8,181.13 2,181.99 995.41	544.70
23 74 23 13-0004	EA		300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Equipment Base Roof Curb, Add	10,576.98 2,861.40 1,290.95	617.33

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	14,722.26	726.27
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,053.54	
		<i>For Equipment Base Roof Curb, Add</i>	1,803.97	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	14,842.08	774.69
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,062.25	
		<i>For Equipment Base Roof Curb, Add</i>	1,816.22	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	20,289.67	871.52
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,651.14	
		<i>For Equipment Base Roof Curb, Add</i>	2,492.63	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark.....	30,772.47	1,089.40
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	8,687.04	
		<i>For Equipment Base Roof Curb, Add</i>	3,792.09	

23 74 23 13-0009 Electric Make-Up Air Units (23 74 23 13-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel.
 See CSI section 01 22 23 00-0900 for crane lifting equipment.

23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric.....	16,913.46	544.70
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,801.69	
		<i>For Equipment Base Roof Curb, Add</i>	2,086.95	
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric.....	24,205.27	617.33
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	6,949.89	
		<i>For Equipment Base Roof Curb, Add</i>	2,994.49	
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric.....	29,995.52	726.27
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	8,635.52	
		<i>For Equipment Base Roof Curb, Add</i>	3,713.13	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric.....	38,813.84	871.52
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	11,208.39	
		<i>For Equipment Base Roof Curb, Add</i>	4,808.15	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric.....	62,801.11	1,089.40
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	18,295.63	
		<i>For Equipment Base Roof Curb, Add</i>	7,795.67	

23 76 Evaporative Air-Cooling Equipment (23 70)**23 76 13 Direct Evaporative Air-Coolers (23 76)****23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit (23 76 13)**

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,645.98	383.92
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	1,944.71	447.91
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,523.00	511.90
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	2,744.79	575.89
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	3,154.22	639.88
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit.....	3,394.77	703.86

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers (23 76 13)

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	3,140.10	361.72
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	3,240.54	373.43
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	3,849.97	518.63
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	8,300.09	612.20
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	8,954.51	896.24
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	10,267.38	955.99
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	9,406.84	1,075.49
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	11,149.19	1,344.37
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	11,142.04	1,757.35
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	12,422.58	1,792.49
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	13,070.47	1,991.69
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	17,482.02	3,111.99
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit.....	19,628.96	3,247.27

23 80 Decentralized Unitary HVAC Equipment (23)

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment (23 80)**23 81 13 Packaged Terminal Air-Conditioners (23 81)**

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13)**23 81 13 11-0001 Packaged Terminal Air-Conditioners (23 81 13 11)****23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)**

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,136.26	239.96
		<i>For >35 To 70, Deduct</i>	-49.69	
		<i>For >70 To 100, Deduct</i>	-82.82	
		<i>For >100, Deduct</i>	-115.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0004	EA		9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,236.77	276.40
			For >35 To 70, Deduct	-50.54	
			For >70 To 100, Deduct	-84.23	
			For >100, Deduct	-117.92	
23 81 13 11-0005	EA		11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,367.76	294.56
			For >35 To 70, Deduct	-53.34	
			For >70 To 100, Deduct	-88.90	
			For >100, Deduct	-124.45	
23 81 13 11-0006	EA		14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,558.54	316.63
			For >35 To 70, Deduct	-57.77	
			For >70 To 100, Deduct	-96.28	
			For >100, Deduct	-134.79	
23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0007)					
23 81 13 11-0008	EA		7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,260.91	245.26
			For >35 To 70, Deduct	-53.14	
			For >70 To 100, Deduct	-88.56	
			For >100, Deduct	-123.99	
23 81 13 11-0009	EA		9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,386.56	276.40
			For >35 To 70, Deduct	-55.03	
			For >70 To 100, Deduct	-91.72	
			For >100, Deduct	-128.41	
23 81 13 11-0010	EA		11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,476.31	294.56
			For >35 To 70, Deduct	-56.59	
			For >70 To 100, Deduct	-94.32	
			For >100, Deduct	-132.05	
23 81 13 11-0011	EA		14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,701.82	316.63
			For >35 To 70, Deduct	-62.06	
			For >70 To 100, Deduct	-103.44	
			For >100, Deduct	-144.82	
23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve (23 81 13 11)					
Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.					
23 81 13 11-0013	EA		Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	102.13	
23 81 13 11-0014	EA		>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	114.88	
23 81 13 11-0015	EA		>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	127.63	
23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13 11)					
Note: Includes storage and cleaning.					
23 81 13 11-0017	EA		Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	255.95	
23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units (23 81 13)					
23 81 13 13-0001 Single Package Vertical Wall Cooling Unit (23 81 13 13)					
Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0900 for crane lifting equipment.					
23 81 13 13-0002	EA		1/2 Ton Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	5,232.25	291.35
23 81 13 13-0003	EA		1 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	8,055.47	305.22
23 81 13 13-0004	EA		1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	10,524.87	319.10
23 81 13 13-0005	EA		2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	12,101.39	346.85
23 81 13 13-0006	EA		2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	15,174.37	402.34
23 81 13 13-0007	EA		3 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	16,289.23	499.46
23 81 13 13-0008	EA		3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	18,035.20	554.95
23 81 13 13-0009	EA		4 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	19,861.21	624.33
23 81 13 13-0010	EA		5 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	22,352.45	749.19
23 81 13 13-0011	EA		7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	28,891.19	929.55
23 81 13 13-0012	EA		10 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	34,478.87	1,248.65
23 81 13 13-0013	EA		15 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	48,316.65	1,526.13
23 81 13 13-0014	EA		20 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	55,670.06	1,817.48
23 81 13 13-0015	EA		25 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat.....	66,521.05	2,039.46
23 81 16 Room Air-Conditioners (23 81)					
Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.					
23 81 16 00-0001 Window Unit, Room Air-Conditioners (23 81 16)					
23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners (23 81 16 00-0001)					
23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0002)					

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
23 81 16 00-0004	EA 5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	536.46		134.37
	For >10 To 50, Deduct	-13.39		
	For >50 To 75, Deduct	-18.74		
	For >75 To 100, Deduct	-26.77		
	For >100, Deduct	-32.13		
23 81 16 00-0005	EA 6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	563.37		134.37
	For >10 To 50, Deduct	-14.73		
	For >50 To 75, Deduct	-20.62		
	For >75 To 100, Deduct	-29.46		
	For >100, Deduct	-35.35		
23 81 16 00-0006	EA 8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	630.64		134.37
	For >10 To 50, Deduct	-18.09		
	For >50 To 75, Deduct	-25.33		
	For >75 To 100, Deduct	-36.19		
	For >100, Deduct	-43.43		
23 81 16 00-0007	EA 10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	724.81		134.37
	For >10 To 50, Deduct	-22.80		
	For >50 To 75, Deduct	-31.92		
	For >75 To 100, Deduct	-45.61		
	For >100, Deduct	-54.73		
23 81 16 00-0008	EA 12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	845.88		134.37
	For >10 To 50, Deduct	-28.86		
	For >50 To 75, Deduct	-40.40		
	For >75 To 100, Deduct	-57.71		
	For >100, Deduct	-69.26		
23 81 16 00-0009	EA 15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	980.41		134.37
	For >10 To 50, Deduct	-35.58		
	For >50 To 75, Deduct	-49.82		
	For >75 To 100, Deduct	-71.17		
	For >100, Deduct	-85.40		
23 81 16 00-0010	EA 8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	926.60		134.37
	For >10 To 50, Deduct	-32.89		
	For >50 To 75, Deduct	-46.05		
	For >75 To 100, Deduct	-65.79		
	For >100, Deduct	-78.94		
23 81 16 00-0011	EA 10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	993.87		134.37
	For >10 To 50, Deduct	-36.26		
	For >50 To 75, Deduct	-50.76		
	For >75 To 100, Deduct	-72.51		
	For >100, Deduct	-87.01		
23 81 16 00-0012	EA 12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,047.68		134.37
	For >10 To 50, Deduct	-38.95		
	For >50 To 75, Deduct	-54.53		
	For >75 To 100, Deduct	-77.89		
	For >100, Deduct	-93.47		
23 81 16 00-0013	EA 18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,101.49		134.37
	For >10 To 50, Deduct	-41.64		
	For >50 To 75, Deduct	-58.29		
	For >75 To 100, Deduct	-83.27		
	For >100, Deduct	-99.93		
23 81 16 00-0014	EA 22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,209.11		134.37
	For >10 To 50, Deduct	-47.02		
	For >50 To 75, Deduct	-65.83		
	For >75 To 100, Deduct	-94.04		
	For >100, Deduct	-112.84		
23 81 16 00-0015	EA 25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,222.57		134.37
	For >10 To 50, Deduct	-47.69		
	For >50 To 75, Deduct	-66.77		
	For >75 To 100, Deduct	-95.38		
	For >100, Deduct	-114.46		
23 81 16 00-0016	EA 28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	1,995.39		134.37
	For >10 To 50, Deduct	-86.33		
	For >50 To 75, Deduct	-120.86		
	For >75 To 100, Deduct	-172.66		
	For >100, Deduct	-207.20		
23 81 16 00-0017	Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) (23 81 16 00- 0002)			
23 81 16 00-0018	EA 8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	2,115.81		134.37
23 81 16 00-0019	EA 10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	2,321.24		134.37
23 81 16 00-0020	EA 11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	2,414.62		134.37
23 81 16 00-0021	EA 12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	2,451.97		134.37
23 81 16 00-0022	EA 20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	2,788.14		134.37
23 81 16 00-0023	EA 24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	3,628.56		134.37
23 81 16 00-0024	EA 28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	3,908.70		134.37
23 81 16 00-0025	EA 36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	4,282.22		134.37

23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners (23 81 16 00-0001)**23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0026)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0028	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1).....	1,047.68	134.37
			For >10 To 50, Deduct	-38.95	
			For >50 To 75, Deduct	-54.53	
			For >75 To 100, Deduct	-77.89	
			For >100, Deduct	-93.47	
23 81 16 00-0029	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2).....	1,195.66	134.37
			For >10 To 50, Deduct	-46.35	
			For >50 To 75, Deduct	-64.88	
			For >75 To 100, Deduct	-92.69	
			For >100, Deduct	-111.23	
23 81 16 00-0030	EA		18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2).....	1,276.38	134.37
			For >10 To 50, Deduct	-50.38	
			For >50 To 75, Deduct	-70.53	
			For >75 To 100, Deduct	-100.76	
			For >100, Deduct	-120.92	
23 81 16 00-0031	EA		25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2).....	1,572.35	134.37
			For >10 To 50, Deduct	-65.18	
			For >50 To 75, Deduct	-91.25	
			For >75 To 100, Deduct	-130.36	
			For >100, Deduct	-156.43	
23 81 16 00-0032			Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) (23 81 16 00-0026)		
23 81 16 00-0033	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	2,545.35	134.37
23 81 16 00-0034			Accessories (23 81 16 00-0001)		
23 81 16 00-0035	SET		Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	633.32	71.37
23 81 16 00-0036			Removal And Reinstallation Of Room Air-Conditioners (23 81 16)		
			Note: Includes storage and cleaning.		
23 81 16 00-0037	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash.....	159.96	
23 81 16 00-0038	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash.....	341.25	
23 81 16 00-0039			Through-The-Wall, Room Air-Conditioners (23 81 16)		
			Note: Base unit excludes wall sleeve.		
23 81 16 00-0040			Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)		
23 81 16 00-0041			Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0040)		
23 81 16 00-0042	EA		8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A).....	1,590.80	95.98
			For >10 To 50, Deduct	-69.94	
			For >50 To 75, Deduct	-97.92	
			For >75 To 100, Deduct	-139.88	
			For >100, Deduct	-167.86	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	291.86	
23 81 16 00-0043	EA		9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B).....	1,721.53	95.98
			For >10 To 50, Deduct	-76.48	
			For >50 To 75, Deduct	-107.07	
			For >75 To 100, Deduct	-152.96	
			For >100, Deduct	-183.55	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	291.86	
23 81 16 00-0044	EA		12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....	1,964.32	95.98
			For >10 To 50, Deduct	-88.62	
			For >50 To 75, Deduct	-124.06	
			For >75 To 100, Deduct	-177.24	
			For >100, Deduct	-212.68	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	291.86	
23 81 16 00-0045	EA		10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....	1,721.53	95.98
			For >10 To 50, Deduct	-76.48	
			For >50 To 75, Deduct	-107.07	
			For >75 To 100, Deduct	-152.96	
			For >100, Deduct	-183.55	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	291.86	
23 81 16 00-0046	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....	1,964.32	95.98
			For >10 To 50, Deduct	-88.62	
			For >50 To 75, Deduct	-124.06	
			For >75 To 100, Deduct	-177.24	
			For >100, Deduct	-212.68	
			For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	291.86	
23 81 16 00-0047			Heating And Cooling, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)		
23 81 16 00-0048			Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0047)		

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 81 16 00-0049	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	2,020.35	95.98
		For >10 To 50, Deduct	-91.42	
		For >50 To 75, Deduct	-127.99	
		For >75 To 100, Deduct	-182.84	
		For >100, Deduct	-219.41	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	291.86	
23 81 16 00-0050	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	2,169.76	95.98
		For >10 To 50, Deduct	-98.89	
		For >50 To 75, Deduct	-138.45	
		For >75 To 100, Deduct	-197.78	
		For >100, Deduct	-237.33	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	291.86	

23 81 23 Computer-Room Air-Conditioners (23 81)

Note: Includes equipment rigging. Indoor units include filters.

23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units (23 81 23)

23 81 23 12-0001		Floor Mounted Air-Cooled Direct Expansion Type (23 81 23 12)		
		Note: Includes compressor sequence switch, mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, condensate pump, and outdoor air-cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 12-0002	EA	3 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	42,747.03	2,731.50
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	4,830.66	
23 81 23 12-0003	EA	5 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	47,181.75	2,987.57
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	5,334.45	
23 81 23 12-0004	EA	6 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	70,562.84	3,414.37
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	8,185.56	
23 81 23 12-0005	EA	8 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	75,204.71	3,627.77
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	8,726.12	
23 81 23 12-0006	EA	10 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	79,846.60	3,841.17
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	9,266.68	
23 81 23 12-0007	EA	16 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	93,984.38	4,609.40
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	10,878.65	
23 81 23 12-0008	EA	20 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	106,230.45	5,121.55
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	12,326.61	
23 81 23 12-0009	EA	22 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	117,266.95	5,290.48
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	13,669.76	
23 81 23 12-0010	EA	24 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	127,026.91	5,462.99
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	14,852.92	
23 81 23 12-0011	EA	30 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type.....	137,330.80	6,145.86
		Note: Includes interior unit and remote condenser. Excludes piping.		
		For Liebert Unit, Add	16,023.72	
23 81 23 12-0012		Floor Mounted Chilled Water Type (23 81 23 12)		
		Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.		
23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	25,551.32	1,871.64
		For Liebert Unit, Add	2,881.98	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	27,461.88	2,073.19
		For Liebert Unit, Add	3,087.20	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	34,003.13	3,157.78
		For Liebert Unit, Add	3,724.10	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	35,544.00	3,199.38
		For Liebert Unit, Add	3,909.83	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	36,911.41	3,327.35
		For Liebert Unit, Add	4,057.24	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	37,792.64	3,647.28
		For Liebert Unit, Add	4,116.20	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source.....	40,095.35	3,967.22
		For Liebert Unit, Add	4,352.05	
23 81 23 12-0020		Floor Mounted Water Source For Computer Room Air Conditioner (23 81 23 12)		
		Note: Excludes computer room air conditioner		
23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	19,815.85	1,707.18
		For Liebert Unit, Add	2,158.07	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	21,803.32	1,792.54
		For Liebert Unit, Add	2,390.47	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	28,238.44	1,877.91
		For Liebert Unit, Add	3,179.00	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	30,433.94	2,048.62
		For Liebert Unit, Add	3,419.70	
23 81 23 12-0025	EA	9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	32,022.96	2,134.24
		For Liebert Unit, Add	3,602.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0026	EA		10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	33,611.99 3,784.91	2,219.34
23 81 23 12-0027	EA		12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	34,936.54 3,917.72	2,390.06
23 81 23 12-0028	EA		16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	36,478.55 4,083.72	2,560.77
23 81 23 12-0029	EA		20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	37,575.47 4,190.70	2,731.50
23 81 23 12-0030	EA		25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit..... <i>For Liebert Unit, Add</i>	42,918.01 4,758.81	3,243.65
23 81 23 12-0031 Floor Mounted Glycol System Type (23 81 23 12)					
Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.					
23 81 23 12-0032	EA		3 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i>	51,927.33 18,548.89	1,871.64
Note: Installation is externally mounted.				8,700.00	
<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>					
23 81 23 12-0033	EA		5 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i>	55,874.23 19,970.62	2,073.19
Note: Installation is externally mounted.				8,700.00	
<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>					
23 81 23 12-0034	EA		6 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i>	73,117.06 26,055.52	2,322.74
Note: Installation is externally mounted.				8,700.00	
<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>					
23 81 23 12-0035	EA		8 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i>	84,601.74 30,125.07	2,572.30
Note: Installation is externally mounted.				8,700.00	
<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>					
23 81 23 12-0036	EA		9 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i>	89,384.24 31,823.90	2,697.07
Note: Installation is externally mounted.				8,700.00	
<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>					
23 81 23 12-0037	EA		10 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i>	95,461.15 33,975.77	2,821.84
Note: Installation is externally mounted.				8,700.00	
<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>					
23 81 23 12-0038	EA		12 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i>	101,942.25 36,269.11	2,947.26
Note: Installation is externally mounted.				8,700.00	
<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>					
23 81 23 12-0039	EA		15 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i>	109,468.91 38,928.40	3,058.60
Note: Installation is externally mounted.				8,700.00	
<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>					
23 81 23 12-0040	EA		16 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i>	116,584.65 41,447.70	3,199.38
Note: Installation is externally mounted.				21,500.00	
<i>For 10 HP Glycol Pump, Add</i>				7,630.00	
<i>For Remote Pump Control Panel, Add</i>				8,700.00	
<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>					
23 81 23 12-0041	EA		20 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i>	127,904.83 45,434.72	3,327.35
Note: Installation is externally mounted.				21,500.00	
<i>For 10 HP Glycol Pump, Add</i>				7,630.00	
<i>For Remote Pump Control Panel, Add</i>				8,700.00	
<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>					
23 81 23 12-0042	EA		22 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i>	132,567.57 47,128.11	3,647.28
Note: Installation is externally mounted.				21,500.00	
<i>For 10 HP Glycol Pump, Add</i>				7,630.00	
<i>For Remote Pump Control Panel, Add</i>				8,700.00	
<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>					
23 81 23 12-0043	EA		30 Ton Computer Room Air Conditioner, Glycol System Type..... <i>For Drycooler, Add</i>	161,670.87 57,376.65	3,967.22
Note: Installation is externally mounted.				21,500.00	
<i>For 10 HP Glycol Pump, Add</i>				7,630.00	
<i>For Remote Pump Control Panel, Add</i>				8,700.00	
<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>					
23 81 23 12-0044 Removal And Reinstallation Of Computer Room Unit (23 81 23 12)					
Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.					
23 81 23 12-0045	EA		Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit.....	2,559.50	
23 81 23 12-0046	EA		Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	2,132.92	
23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units (23 81 23)					
23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner (23 81 23 13)					
Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air-cooled condenser complete with fan speed control.					
23 81 23 13-0002	EA		1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	16,962.41	811.36
<i>For Liebert Unit, Add</i>				1,968.24	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**
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23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	18,753.93	974.40
		<i>For Liebert Unit, Add</i>	2,161.63	
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	21,418.16	1,219.47
		<i>For Liebert Unit, Add</i>	2,448.74	
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	26,316.72	1,422.70
		<i>For Liebert Unit, Add</i>	3,022.98	
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	35,689.89	1,546.32
		<i>For Liebert Unit, Add</i>	4,171.44	

23 81 26 Split-System Air-Conditioners (23 81)**23 81 26 13 Small-Capacity Split-System Air-Conditioners (23 81 26)**

23 81 26 13-0001		Split System A/C Unit (23 81 26 13) See CSI section 23 23 16 00-0001 for piping, 23 54 00 00-0000 for furnaces.		
23 81 26 13-0002		Ductless Split System Air Conditioners (23 81 26 13-0001) Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.		
23 81 26 13-0003		Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)		
23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners	2,296.61	422.31
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner	2,490.44	460.71
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners	3,095.11	511.90
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners	3,439.44	563.09
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners	5,212.67	614.28
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners	6,043.61	639.88
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners	6,624.37	682.10
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0011		Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	996.75	204.76
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,054.78	217.56
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,113.70	230.36
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,254.33	243.15
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners	1,341.09	255.95
		Note: Includes indoor unit and wireless thermostat.		
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	2,682.79	307.14
		Note: Includes outdoor unit and refrigerant charge.		
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	2,966.72	332.73
		Note: Includes outdoor unit and refrigerant charge.		
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners	4,633.16	358.33
		Note: Includes outdoor unit and refrigerant charge.		
23 81 26 13-0020		Suspended Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners	5,565.78	614.28
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners	6,783.49	733.30
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners	8,234.43	767.85
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0024		Recessed Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002) Note: Excludes hangers.		
23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners	3,458.69	511.90
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners	4,023.87	563.09
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners	5,559.09	665.47
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners	6,424.40	733.30
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners	8,054.88	767.85
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0030		Ductless Split System Accessories (23 81 26 13-0002)		
23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	14.86	1.83
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	19.13	2.02
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.84	2.22
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.91	3.44
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	42.88	3.78

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	48.87	4.16
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	61.94	6.88
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	102.71	7.56
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	114.67	8.33
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	82.67	7.34
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	96.98	8.08
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	150.21	8.88
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	61.94	6.88
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	102.71	7.56
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	114.67	8.33
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	80.66	11.47
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	118.00	12.61
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	141.17	13.87
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	45.62	2.29
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	49.85	6.88
23 81 26 13-0051	EA	4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	80.95	7.56
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	45.01	6.88
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	61.60	7.56
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	66.31	8.33
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	218.82	9.17
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	248.19	10.09
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	138.05	34.40
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	152.26	36.69
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	207.57	38.98
23 81 26 13-0060	EA	End Cap, Set of 4	24.16	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 Lb. Capacity	293.21	68.79
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 Lb. Capacity	311.23	73.38
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	3.24	0.18
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	3.35	0.18
23 81 26 13-0065		Cased A/C Evaporator Coils (23 81 26 13-0001)		
23 81 26 13-0066		Vertical Cased A/C Evaporator Coils (23 81 26 13-0065)		
23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	908.10	129.77
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	945.72	139.50
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	1,131.23	149.23
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	1,293.40	158.97
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	1,503.54	165.45
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	1,682.55	171.94
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,807.10	184.92
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	1,816.21	194.65
23 81 26 13-0075		"A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)		
23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,122.15	133.01
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,295.26	140.47
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,487.96	149.23
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,541.54	154.62
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,613.81	162.21
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,630.84	170.64
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,647.55	179.07
23 81 26 13-0083		Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)		
23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	974.27	133.01
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,174.04	149.23
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,359.56	162.21
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,644.96	179.07
23 81 26 16		Large-Capacity Split-System Air-Conditioners (23 81 26)		
23 81 26 16-0001		Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) (23 81 26 16)		
23 81 26 16-0002		Outdoor Units (23 81 26 16-0001)		
23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	17,257.38	671.87
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	18,721.57	799.84
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	21,086.22	959.81
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	25,931.52	991.81
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	34,453.18	1,023.80
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	35,725.40	1,055.79
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	36,997.63	1,087.78
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	39,170.32	1,151.77
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	41,343.01	1,215.76
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	46,252.31	1,279.75
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	51,161.60	1,343.74
23 81 26 16-0014		Indoor Units (23 81 26 16-0001)		
23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,810.04	207.96
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,903.99	223.96
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,987.62	239.96
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	2,086.74	255.95

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**
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23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2).....	2,265.34	303.94
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2).....	2,534.78	367.93
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2).....	2,746.45	399.92
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3).....	2,610.65	228.76
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3).....	2,702.64	246.35
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3).....	2,851.44	263.95
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3).....	3,093.16	281.55
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3).....	3,271.03	334.33
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3).....	3,597.68	404.72
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3).....	3,782.62	422.31
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3).....	3,988.21	439.91
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3).....	4,422.13	483.91
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3).....	4,901.01	532.29
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3).....	5,306.94	585.53
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	6,709.74	644.08
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	7,613.08	708.48
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E).....	2,968.13	263.95
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E).....	3,130.34	281.55
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E).....	3,311.31	334.33
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E).....	3,717.47	404.72
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E).....	4,005.76	439.91
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E).....	4,892.00	483.91
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	2,667.45	228.76
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	2,805.91	246.35
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	3,016.67	263.95
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	3,175.78	281.55
23 81 26 16-0045	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4).....	2,475.45	246.35
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	2,603.59	263.95
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	2,736.89	281.55

23 81 26 16-0048 Controllers For Outdoor Units (23 81 26 16-0001)

23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1).....	9,316.63	191.97
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1).....	10,774.74	223.96
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA).....	11,907.55	255.95
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA).....	14,129.85	287.94
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	5,197.34	127.97
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	8,005.12	191.97
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	12,234.88	287.94

23 81 26 16-0056 Energy Recovery Units (23 81 26 16-0001)

23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU).....	6,600.67	191.97
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU).....	12,466.31	191.97
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR).....	12,649.06	223.96
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E).....	2,643.48	159.96
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E).....	3,363.65	166.36
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E).....	4,006.39	172.77
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1).....	7,287.40	191.97

23 81 26 16-0064 Piping Specialties (23 81 26 16-0001)

23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E).....	919.09	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2).....	252.18	49.29
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2).....	252.18	49.29
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2).....	279.33	51.89
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2).....	349.09	58.38
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E).....	457.78	84.31
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E).....	781.32	168.63
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI).....	139.61	20.76
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI).....	158.28	28.53

23 81 26 16-0074 Split System Air Conditioners (Daikin VRV) (23 81 26 16)**23 81 26 16-0075 Heat Pump Outdoor Units (23 81 26 16-0074)**

23 81 26 16-0076	EA	6 Ton Heat Pump Outdoor Unit (Daikin).....	26,305.42	671.87
23 81 26 16-0077	EA	8 Ton Heat Pump Outdoor Unit (Daikin).....	29,407.87	799.84
23 81 26 16-0078	EA	10 Ton Heat Pump Outdoor Unit (Daikin).....	32,793.28	959.81
23 81 26 16-0079	EA	12 Ton Heat Pump Outdoor Unit (Daikin).....	40,958.86	991.81
23 81 26 16-0080	EA	14 Ton Heat Pump Outdoor Unit (Daikin).....	54,881.44	1,055.79
23 81 26 16-0081	EA	16 Ton Heat Pump Outdoor Unit (Daikin).....	58,010.90	1,087.78

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0082	EA	18 Ton Heat Pump Outdoor Unit (Daikin)	60,985.39	1,151.77
23 81 26 16-0083	EA	20 Ton Heat Pump Outdoor Unit (Daikin)	64,178.83	1,215.76
23 81 26 16-0084	EA	22 Ton Heat Pump Outdoor Unit (Daikin)	83,137.55	1,279.75
23 81 26 16-0085	EA	24 Ton Heat Pump Outdoor Unit (Daikin)	86,330.98	1,343.74
23 81 26 16-0086	EA	26 Ton Heat Pump Outdoor Unit (Daikin)	89,524.42	1,407.72
23 81 26 16-0087	EA	28 Ton Heat Pump Outdoor Unit (Daikin)	92,498.91	1,471.71
23 81 26 16-0088	EA	30 Ton Heat Pump Outdoor Unit (Daikin)	95,692.35	1,535.70
23 81 26 16-0089 Heat Recovery Heat Pump Outdoor Units (23 81 26 16-0074)				
23 81 26 16-0090	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	33,688.46	873.43
23 81 26 16-0091	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	36,745.83	1,039.79
23 81 26 16-0092	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	40,375.95	1,247.76
23 81 26 16-0093	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	50,750.36	1,289.35
23 81 26 16-0094	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	68,652.65	1,372.53
23 81 26 16-0095	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	73,990.92	1,414.12
23 81 26 16-0096	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	76,784.83	1,497.30
23 81 26 16-0097	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	79,578.74	1,580.49
23 81 26 16-0098	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	104,816.27	1,663.67
23 81 26 16-0099	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	107,610.18	1,746.85
23 81 26 16-0100	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	113,031.64	1,830.04
23 81 26 16-0101	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	115,825.54	1,913.23
23 81 26 16-0102 Indoor Units (23 81 26 16-0074)				
23 81 26 16-0103	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,009.35	223.96
23 81 26 16-0104	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,144.03	230.36
23 81 26 16-0105	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,557.76	239.96
23 81 26 16-0106	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,987.33	303.94
23 81 26 16-0107	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,375.58	367.93
23 81 26 16-0108	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,409.23	246.35
23 81 26 16-0109	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,557.58	253.39
23 81 26 16-0110	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,787.33	140.77
23 81 26 16-0111	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	5,083.03	334.33
23 81 26 16-0112	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	6,023.22	404.72
23 81 26 16-0113	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	6,888.89	439.91
23 81 26 16-0114	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,361.09	483.91
23 81 26 16-0115	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,612.80	532.29
23 81 26 16-0116	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	4,933.91	246.35
23 81 26 16-0117	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,051.28	253.39
23 81 26 16-0118	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,371.92	263.95
23 81 26 16-0119	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,729.59	334.33
23 81 26 16-0120 Branch Selector Boxes (23 81 26 16-0074)				
23 81 26 16-0121	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin)	15,027.39	287.94
23 81 26 16-0122	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin)	22,226.13	383.92
23 81 26 16-0123	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin)	2,961.99	127.97
23 81 26 16-0124	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	3,992.66	191.97
23 81 26 16-0125	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	4,955.13	287.94
23 81 26 16-0126 Controllers (23 81 26 16-0074)				
23 81 26 16-0127	EA	Up To 16 Units, Navigation Controller (Daikin)	927.30	25.59
23 81 26 16-0128	EA	Individual Zone Controller (Daikin)	671.15	25.59
23 81 26 16-0129	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin)	1,297.05	25.59
23 81 26 16-0130	EA	Up To 64 Units, Multizone Controller (Daikin)	1,815.54	25.59
23 81 26 16-0131	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin)	16,911.45	307.14
23 81 26 16-0132	EA	I-Touch Manager D3net Plus Adapter (Daikin)	3,147.90	25.59
23 81 26 16-0133	EA	24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin))	692.58	45.17
23 81 26 16-0134 Energy Recovery Units (23 81 26 16-0074)				
23 81 26 16-0135	EA	300 CFM Energy Recovery Unit (Daikin)	5,192.88	159.96
23 81 26 16-0136	EA	470 CFM Energy Recovery Unit (Daikin)	6,738.40	166.36
23 81 26 16-0137	EA	600 CFM Energy Recovery Unit (Daikin)	8,064.98	172.77
23 81 26 16-0138	EA	1,200 CFM Energy Recovery Unit (Daikin)	15,054.38	191.97
23 81 43 Air-Source Unitary Heat Pumps (23 81)				
23 81 43 00-0001 Single Package Thru-Wall Heat Pumps (23 81 43)				
Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0900 for crane lifting equipment.				
23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,358.24	208.11
		For Unit Economizer, Add	314.06	
		For >35 To 70, Deduct	-58.68	
		For >70 To 100, Deduct	-97.80	
		For >100, Deduct	-136.91	
		For Low Ambient Protection, 0 Degree F, Add	276.62	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,603.32	221.99
		For Unit Economizer, Add	347.26	
		For >35 To 70, Deduct	-65.20	
		For >70 To 100, Deduct	-108.66	
		For >100, Deduct	-152.13	
		For Low Ambient Protection, 0 Degree F, Add	303.11	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,428.82	221.99
		For Unit Economizer, Add	602.83	
		For >35 To 70, Deduct	-119.96	
		For >70 To 100, Deduct	-199.94	
		For >100, Deduct	-279.91	
		For Low Ambient Protection, 0 Degree F, Add	467.41	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,847.75	221.99
		For Unit Economizer, Add	660.37	
		For >35 To 70, Deduct	-131.70	
		For >70 To 100, Deduct	-219.50	
		For >100, Deduct	-307.29	
		For Low Ambient Protection, 0 Degree F, Add	246.16	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,484.01	235.86
		For Unit Economizer, Add	748.34	
		For >35 To 70, Deduct	-149.95	
		For >70 To 100, Deduct	-249.92	
		For >100, Deduct	-349.89	
		For Low Ambient Protection, 0 Degree F, Add	271.35	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,744.80	249.73
		For Unit Economizer, Add	784.85	
		For >35 To 70, Deduct	-157.78	
		For >70 To 100, Deduct	-262.96	
		For >100, Deduct	-368.14	
		For Low Ambient Protection, 0 Degree F, Add	805.09	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,467.98	249.73
		For Unit Economizer, Add	884.98	
		For >35 To 70, Deduct	-178.64	
		For >70 To 100, Deduct	-297.73	
		For >100, Deduct	-416.82	
		For Low Ambient Protection, 0 Degree F, Add	902.44	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	7,133.82	263.60
		For Unit Economizer, Add	977.65	
		For >35 To 70, Deduct	-198.20	
		For >70 To 100, Deduct	-330.33	
		For >100, Deduct	-462.46	
		For Low Ambient Protection, 0 Degree F, Add	990.66	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	8,216.74	305.22
		For Unit Economizer, Add	1,125.93	
		For >35 To 70, Deduct	-228.19	
		For >70 To 100, Deduct	-380.31	
		For >100, Deduct	-532.44	
		For Low Ambient Protection, 0 Degree F, Add	1,141.43	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	15,035.14	360.72
		For Unit Economizer, Add	2,075.51	
		For >35 To 70, Deduct	-428.99	
		For >70 To 100, Deduct	-714.99	
		For >100, Deduct	-1,000.99	
		For Low Ambient Protection, 0 Degree F, Add	2,042.81	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	19,358.50	457.83
		For Unit Economizer, Add	2,673.01	
		For >35 To 70, Deduct	-552.87	
		For >70 To 100, Deduct	-921.45	
		For >100, Deduct	-1,290.03	
		For Low Ambient Protection, 0 Degree F, Add	416.68	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	23,628.21	513.34
		For Unit Economizer, Add	3,266.88	
		For >35 To 70, Deduct	-678.05	
		For >70 To 100, Deduct	-1,130.08	
		For >100, Deduct	-1,562.11	
		For Low Ambient Protection, 0 Degree F, Add	482.68	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	29,142.68	582.70
		For Unit Economizer, Add	4,033.91	
		For >35 To 70, Deduct	-839.73	
		For >70 To 100, Deduct	-1,399.56	
		For >100, Deduct	-1,959.38	
		For Low Ambient Protection, 0 Degree F, Add	567.80	
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	38,801.98	624.33
		For Unit Economizer, Add	5,382.33	
		For >35 To 70, Deduct	-1,126.60	
		For >70 To 100, Deduct	-1,877.67	
		For >100, Deduct	-2,628.73	
		For Low Ambient Protection, 0 Degree F, Add	687.70	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	46,736.59	679.82
		For Unit Economizer, Add	6,488.74	
		For >35 To 70, Deduct	-1,361.31	
		For >70 To 100, Deduct	-2,268.85	
		For >100, Deduct	-3,176.39	
		For Low Ambient Protection, 0 Degree F, Add	793.68	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0017		Single Package Vertical Wall Heat Pumps (23 81 43) Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0900 for crane lifting equipment.		
23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,621.40	277.48
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,388.29	305.22
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,664.37	319.10
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,491.86	346.85
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,113.98	402.34
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,671.01	457.83
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,420.05	513.34
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	10,598.69	568.83
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	11,954.02	679.82
23 81 43 00-0027		Heat Pump, Room Air-Conditioners (23 81 43) Note: Includes throwaway filters and supplemental heat.		
23 81 43 00-0028		Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0027)		
23 81 43 00-0029		Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) (23 81 43 00-0028)		
23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	2,601.38	134.37
		For >10 To 50, Deduct	-116.63	
		For >50 To 75, Deduct	-163.28	
		For >75 To 100, Deduct	-233.26	
		For >100, Deduct	-279.92	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	2,937.55	134.37
		For >10 To 50, Deduct	-133.44	
		For >50 To 75, Deduct	-186.82	
		For >75 To 100, Deduct	-266.88	
		For >100, Deduct	-320.26	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A)	3,441.80	134.37
		For >10 To 50, Deduct	-158.65	
		For >50 To 75, Deduct	-222.11	
		For >75 To 100, Deduct	-317.31	
		For >100, Deduct	-380.77	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	4,002.08	134.37
		For >10 To 50, Deduct	-186.67	
		For >50 To 75, Deduct	-261.33	
		For >75 To 100, Deduct	-373.33	
		For >100, Deduct	-448.00	
23 81 43 00-0034		Heat Pump, Through-The-Wall, Room Air-Conditioners (23 81 43 00-0027) Note: Base unit excludes wall sleeve.		
23 81 43 00-0035		Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 43 00-0034)		
23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	2,617.98	95.98
		For >10 To 50, Deduct	-121.30	
		For >50 To 75, Deduct	-169.82	
		For >75 To 100, Deduct	-242.60	
		For >100, Deduct	-291.12	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	291.86	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	2,617.98	95.98
		For >10 To 50, Deduct	-121.30	
		For >50 To 75, Deduct	-169.82	
		For >75 To 100, Deduct	-242.60	
		For >100, Deduct	-291.12	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	291.86	
23 81 49		Split System Heat Pumps (23 81)		
23 81 49 00-0001		Air-Cooled, Outdoor Section (23 81 49) Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.		
23 81 49 00-0002	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit	4,543.40	412.05
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	822.32	
		For Winterstart Control, Add	219.20	
		For 15 SEER, Add	705.43	
		For 16 SEER, Add	1,136.53	
		For 18 SEER, Add	1,724.39	
23 81 49 00-0003	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit	4,689.14	457.83
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	852.65	
		For Winterstart Control, Add	229.19	
		For 15 SEER, Add	719.18	
		For 16 SEER, Add	1,158.68	
		For 18 SEER, Add	1,758.00	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 81 49 00-0004	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,126.72	531.37
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	935.92	
		For Winterstart Control, Add	253.35	
		For 15 SEER, Add	777.97	
		For 16 SEER, Add	1,253.39	
		For 18 SEER, Add	1,901.70	
23 81 49 00-0005	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,599.94	610.45
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	792.24	
		For Winterstart Control, Add	279.50	
		For 15 SEER, Add	841.49	
		For 16 SEER, Add	1,355.74	
		For 18 SEER, Add	2,056.99	
23 81 49 00-0006	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,777.66	634.04
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	818.18	
		For Winterstart Control, Add	288.73	
		For 15 SEER, Add	867.09	
		For 16 SEER, Add	1,396.99	
		For 18 SEER, Add	2,119.56	
23 81 49 00-0007	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	6,416.10	728.38
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	905.20	
		For Winterstart Control, Add	319.08	
		For 15 SEER, Add	967.60	
		For 16 SEER, Add	1,558.91	
		For 18 SEER, Add	2,365.25	
23 81 49 00-0008	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	7,302.39	801.21
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	594.04	
		For Winterstart Control, Add	176.04	
		For 15 SEER, Add	1,108.40	
		For 16 SEER, Add	1,785.76	
		For 18 SEER, Add	2,709.43	
23 81 49 00-0009	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit.....	8,006.30	895.83
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	656.27	
		For Winterstart Control, Add	195.24	
23 81 49 00-0010	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit.....	11,060.67	1,074.99
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	465.14	
		For Winterstart Control, Add	249.04	
23 81 49 00-0011	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit.....	14,533.78	1,254.16
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	527.44	
		For Winterstart Control, Add	306.20	
23 81 49 00-0012	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit.....	26,035.58	1,343.74
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	560.41	
		For Winterstart Control, Add	433.09	

23 81 49 00-0013 Indoor Section, Horizontal Upflow (23 81 49)

Note: Electric heat. Includes throwaway filters.

23 81 49 00-0014	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,388.33	136.93
		For Additional 5 KW Electric Heat, Add	125.07	
23 81 49 00-0015	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,533.05	170.59
		For Additional 5 KW Electric Heat, Add	136.24	
23 81 49 00-0016	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,604.61	206.04
		For Additional 5 KW Electric Heat, Add	139.82	
23 81 49 00-0017	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	2,157.63	241.24
		For Additional 5 KW Electric Heat, Add	191.62	
23 81 49 00-0018	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,219.28	271.95
		For Additional 5 KW Electric Heat, Add	194.70	
23 81 49 00-0019	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,463.13	312.26
		For Additional 5 KW Electric Heat, Add	215.10	
23 81 49 00-0020	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	5,234.44	511.90
		For Additional 5 KW Electric Heat, Add	472.25	
23 81 49 00-0021	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	7,692.38	575.89
		For Additional 5 KW Electric Heat, Add	711.65	
23 81 49 00-0022	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	10,768.21	639.88
		For Additional 5 KW Electric Heat, Add	1,012.83	
23 81 49 00-0023	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	12,244.48	767.85
		For Additional 5 KW Electric Heat, Add	1,147.65	

23 81 49 00-0024 Ductless Split System Heat Pumps (23 81 49)

Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.

23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)

23 81 49 00-0026	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps	2,476.16	422.31
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0027	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	2,736.42	460.71
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0028	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps	3,324.93	511.90
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0029	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	3,820.98	563.09
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0030	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,355.71	614.28
23 81 49 00-0031	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,180.07	639.88
23 81 49 00-0032	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,772.50	682.10
23 81 49 00-0033		Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024) Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,036.25	204.76
23 81 49 00-0035	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,095.18	217.56
23 81 49 00-0036	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,155.00	230.36
23 81 49 00-0037	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,309.09	243.15
23 81 49 00-0038	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,394.95	255.95
23 81 49 00-0039	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,014.95	307.14
23 81 49 00-0040	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,563.71	332.73
23 81 49 00-0041	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,716.72	358.33
23 81 49 00-0042		Suspended Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0024) Note: Excludes hangers.		
23 81 49 00-0043	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,709.42	614.28
23 81 49 00-0044	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,931.62	733.30
23 81 49 00-0045	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,324.20	767.85
23 81 49 00-0046		Recessed Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0024) Note: Excludes hangers.		
23 81 49 00-0047	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,817.79	511.90
23 81 49 00-0048	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,326.40	563.09
23 81 49 00-0049	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,702.73	665.47
23 81 49 00-0050	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,572.53	733.30
23 81 49 00-0051	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,144.66	767.85
23 82 Convection Heating and Cooling Units (23 80)				
23 82 16 Air Coils (23 82)				
23 82 16 11 Hydronic Air Coils (23 82 16)				
23 82 16 11-0001		Chilled Water Cooling Coils (23 82 16 11) Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 11-0002		2 Row Chilled Water Cooling Coils (23 82 16 11-0001)		
23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,130.60	64.88
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,546.01	88.24
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,763.54	138.85
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,738.48	198.54
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,074.47	243.96
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,787.52	295.86
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,259.91	342.58
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,840.48	605.22
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,895.85	230.08
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,260.45	391.76
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,998.57	486.62

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		7,655.54		587.71
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		8,349.15		684.38
23 82 16 11-0016	SF	>20 SF, Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		420.97		34.50
23 82 16 11-0017 4 Row Chilled Water Cooling Coils (23 82 16 11-0001)						
23 82 16 11-0018	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		2,640.31		134.95
23 82 16 11-0019	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		4,258.30		194.65
23 82 16 11-0020	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		5,783.74		324.42
23 82 16 11-0021	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		7,044.13		481.43
23 82 16 11-0022	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		8,131.59		590.44
23 82 16 11-0023	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		9,657.72		721.49
23 82 16 11-0024	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		10,736.07		865.53
23 82 16 11-0025	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		10,438.72		1,007.50
23 82 16 11-0026	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		6,636.17		434.84
23 82 16 11-0027	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		8,428.04		654.02
23 82 16 11-0028	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		9,326.44		811.03
23 82 16 11-0029	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		10,378.49		977.14
23 82 16 11-0030	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		11,359.01		1,142.32
23 82 16 11-0031 6 Row Chilled Water Cooling Coils (23 82 16 11-0001)						
23 82 16 11-0032	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		3,738.44		171.29
23 82 16 11-0033	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		4,379.82		254.34
23 82 16 11-0034	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		5,921.03		433.41
23 82 16 11-0035	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		8,012.56		648.82
23 82 16 11-0036	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		10,548.93		811.03
23 82 16 11-0037	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		11,950.23		997.89
23 82 16 11-0038	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		13,893.20		1,179.56
23 82 16 11-0039	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		13,117.00		1,374.60
23 82 16 11-0040	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		8,285.42		594.19
23 82 16 11-0041	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		10,545.41		891.23
23 82 16 11-0042	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		11,818.45		1,115.98
23 82 16 11-0043	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		13,049.30		1,340.61
23 82 16 11-0044	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		14,287.81		1,559.65
23 82 16 11-0045 8 Row Chilled Water Cooling Coils (23 82 16 11-0001)						
23 82 16 11-0046	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		4,677.89		206.32
23 82 16 11-0047	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		5,688.93		316.63
23 82 16 11-0048	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		8,435.78		564.48
23 82 16 11-0049	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		11,131.06		865.53
23 82 16 11-0050	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		13,341.10		1,082.25
23 82 16 11-0051	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		15,472.12		1,297.66
23 82 16 11-0052	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		17,814.45		1,441.69
23 82 16 11-0053	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		15,008.16		1,672.29
23 82 16 11-0054	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		9,432.55		724.09
23 82 16 11-0055	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....		12,035.58		1,088.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0056	EA		34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,510.08	1,356.04
23 82 16 11-0057	EA		34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,908.36	1,622.06
23 82 16 11-0058	EA		34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	16,381.23	1,908.32
23 82 16 11-0059			Hot Water Heating Coils (23 82 16 11) Note: Flanged construction.		
23 82 16 11-0060			1 Row Hot Water Heating Coils (23 82 16 11-0059)		
23 82 16 11-0061	EA		12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,660.35	175.18
			For 10 Fins Per Inch, Add	26.19	
			For 12 Fins Per Inch, Add	65.48	
			For 230 PSIG Heavy-Duty, Add	367.14	
23 82 16 11-0062	EA		12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,471.43	224.49
			For 10 Fins Per Inch, Add	40.48	
			For 12 Fins Per Inch, Add	101.20	
			For 230 PSIG Heavy-Duty, Add	539.03	
23 82 16 11-0063	EA		24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	2,999.07	308.85
			For 10 Fins Per Inch, Add	47.62	
			For 12 Fins Per Inch, Add	119.06	
			For 230 PSIG Heavy-Duty, Add	661.61	
23 82 16 11-0064	EA		24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,543.88	433.41
			For 10 Fins Per Inch, Add	53.58	
			For 12 Fins Per Inch, Add	133.94	
			For 230 PSIG Heavy-Duty, Add	795.29	
23 82 16 11-0065	EA		30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,014.54	519.07
			For 10 Fins Per Inch, Add	59.53	
			For 12 Fins Per Inch, Add	148.82	
			For 230 PSIG Heavy-Duty, Add	906.72	
23 82 16 11-0066	EA		30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	4,690.78	648.82
			For 10 Fins Per Inch, Add	67.86	
			For 12 Fins Per Inch, Add	169.66	
			For 230 PSIG Heavy-Duty, Add	1,067.92	
23 82 16 11-0067	EA		30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,251.66	720.20
			For 10 Fins Per Inch, Add	76.20	
			For 12 Fins Per Inch, Add	190.49	
			For 230 PSIG Heavy-Duty, Add	1,194.52	
23 82 16 11-0068	EA		30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,510.01	837.37
			For 10 Fins Per Inch, Add	96.58	
			For 12 Fins Per Inch, Add	241.46	
			For 230 PSIG Heavy-Duty, Add	1,470.09	
23 82 16 11-0069	EA		34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,810.74	362.83
			For 10 Fins Per Inch, Add	41.70	
			For 12 Fins Per Inch, Add	104.25	
			For 230 PSIG Heavy-Duty, Add	634.72	
23 82 16 11-0070	EA		34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,216.07	544.37
			For 10 Fins Per Inch, Add	62.55	
			For 12 Fins Per Inch, Add	156.37	
			For 230 PSIG Heavy-Duty, Add	952.08	
23 82 16 11-0071	EA		34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	6,337.94	823.36
			For 10 Fins Per Inch, Add	93.82	
			For 12 Fins Per Inch, Add	234.56	
			For 230 PSIG Heavy-Duty, Add	1,432.26	
23 82 16 11-0072	EA		34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	7,381.31	954.17
			For 10 Fins Per Inch, Add	109.46	
			For 12 Fins Per Inch, Add	273.65	
			For 230 PSIG Heavy-Duty, Add	1,667.09	
23 82 16 11-0073	SF		>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	335.70	48.01
			For 10 Fins Per Inch, Add	4.79	
			For 12 Fins Per Inch, Add	11.98	
			For 230 PSIG Heavy-Duty, Add	76.74	
23 82 16 11-0074			2 Row Hot Water Heating Coils (23 82 16 11-0059)		
23 82 16 11-0075	EA		12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	2,694.64	216.71
			For 10 Fins Per Inch, Add	45.24	
			For 12 Fins Per Inch, Add	113.10	
			For 230 PSIG Heavy-Duty, Add	582.18	
23 82 16 11-0076	EA		12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	2,898.35	288.08
			For 10 Fins Per Inch, Add	46.43	
			For 12 Fins Per Inch, Add	116.08	
			For 230 PSIG Heavy-Duty, Add	637.34	
23 82 16 11-0077	EA		24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	3,901.05	433.41
			For 10 Fins Per Inch, Add	60.72	
			For 12 Fins Per Inch, Add	151.80	
			For 230 PSIG Heavy-Duty, Add	866.72	
23 82 16 11-0078	EA		24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,688.51	617.68
			For 10 Fins Per Inch, Add	69.05	
			For 12 Fins Per Inch, Add	172.63	
			For 230 PSIG Heavy-Duty, Add	1,061.29	
23 82 16 11-0079	EA		30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,396.00	763.02
			For 10 Fins Per Inch, Add	77.39	
			For 12 Fins Per Inch, Add	193.47	
			For 230 PSIG Heavy-Duty, Add	1,231.87	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 16 11-0080	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,723.14	926.53
		For 10 Fins Per Inch, Add	77.39	
		For 12 Fins Per Inch, Add	193.47	
		For 230 PSIG Heavy-Duty, Add	1,330.01	
23 82 16 11-0081	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	6,448.81	1,082.25
		For 10 Fins Per Inch, Add	85.72	
		For 12 Fins Per Inch, Add	214.30	
		For 230 PSIG Heavy-Duty, Add	1,506.04	
23 82 16 11-0082	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,947.61	1,257.43
		For 10 Fins Per Inch, Add	108.66	
		For 12 Fins Per Inch, Add	271.64	
		For 230 PSIG Heavy-Duty, Add	1,841.01	
23 82 16 11-0083	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,430.55	542.55
		For 10 Fins Per Inch, Add	46.91	
		For 12 Fins Per Inch, Add	117.28	
		For 230 PSIG Heavy-Duty, Add	794.61	
23 82 16 11-0084	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,148.56	815.06
		For 10 Fins Per Inch, Add	70.37	
		For 12 Fins Per Inch, Add	175.92	
		For 230 PSIG Heavy-Duty, Add	1,192.73	
23 82 16 11-0085	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,735.19	1,228.87
		For 10 Fins Per Inch, Add	105.55	
		For 12 Fins Per Inch, Add	263.88	
		For 230 PSIG Heavy-Duty, Add	1,792.81	
23 82 16 11-0086	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	9,028.08	1,435.47
		For 10 Fins Per Inch, Add	123.14	
		For 12 Fins Per Inch, Add	307.86	
		For 230 PSIG Heavy-Duty, Add	2,092.71	

23 82 16 11-0087 Hot Water Preheat Coils For Multi-Zone Air Handling Units (23 82 16 11)

Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 11-0088	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,191.76	164.81
23 82 16 11-0089	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,810.85	163.51
23 82 16 11-0090	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,452.15	175.18
23 82 16 11-0091	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,012.90	190.75
23 82 16 11-0092	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,030.51	199.84
23 82 16 11-0093	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,883.23	210.22
23 82 16 11-0094	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,055.56	236.18
23 82 16 11-0095	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,589.56	264.72
23 82 16 11-0096	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	6,288.20	316.63
23 82 16 11-0097	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	6,856.41	332.20
23 82 16 11-0098	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	8,797.29	351.66
23 82 16 11-0099	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	11,200.10	481.43
23 82 16 11-0100	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	14,073.54	590.44
23 82 16 11-0101	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	16,404.92	617.68
23 82 16 11-0102	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	19,270.60	720.20

23 82 16 12 Steam Air Coils (23 82 16)**23 82 16 12-0001 Steam Heating Coils (23 82 16 12)**

Note: Flanged construction.

23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	2,602.88	121.98
		For 2 Row Coil, Add	829.37	
		For 4 Row Coil, Add	2,186.60	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	2,865.97	168.69
		For 2 Row Coil, Add	927.20	
		For 4 Row Coil, Add	2,437.71	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	3,722.57	302.35
		For 2 Row Coil, Add	1,237.48	
		For 4 Row Coil, Add	3,237.59	
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,658.49	433.41
		For 2 Row Coil, Add	1,570.57	
		For 4 Row Coil, Add	4,098.79	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	5,168.70	519.07
		For 2 Row Coil, Add	1,758.23	
		For 4 Row Coil, Add	4,581.35	
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	5,765.43	648.82
		For 2 Row Coil, Add	1,989.16	
		For 4 Row Coil, Add	5,170.34	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	6,331.10	720.20
		For 2 Row Coil, Add	2,187.70	
		For 4 Row Coil, Add	5,684.87	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	7,878.21	840.49
		For 2 Row Coil, Add	2,699.64	
		For 4 Row Coil, Add	7,025.35	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	3,401.45	362.83
		For 2 Row Coil, Add	1,165.59	
		For 4 Row Coil, Add	3,033.24	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	5,102.18	544.37
		For 2 Row Coil, Add	1,748.38	
		For 4 Row Coil, Add	4,549.86	
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	7,650.48	815.06
		For 2 Row Coil, Add	2,621.19	
		For 4 Row Coil, Add	6,821.38	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	8,931.98	954.17
		For 2 Row Coil, Add	3,061.26	
		For 4 Row Coil, Add	7,966.16	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13		Refrigerant Air Coils (23 82 16)		
23 82 16 13-0001		Direct Expansion Cooling Coils (23 82 16 13)		
		Note: Flanged construction 16 gauge galvanized steel casing.		
23 82 16 13-0002		2 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,044.31	97.32
		For 10 Fins Per Inch, Add	36.98	
		For 12 Fins Per Inch, Add	92.46	
23 82 16 13-0004	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,965.92	133.65
		For 10 Fins Per Inch, Add	73.97	
		For 12 Fins Per Inch, Add	184.92	
23 82 16 13-0005	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,453.50	210.22
		For 10 Fins Per Inch, Add	100.70	
		For 12 Fins Per Inch, Add	251.75	
23 82 16 13-0006	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,553.89	302.35
		For 10 Fins Per Inch, Add	119.01	
		For 12 Fins Per Inch, Add	297.52	
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,607.28	369.83
		For 10 Fins Per Inch, Add	137.32	
		For 12 Fins Per Inch, Add	343.29	
23 82 16 13-0008	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,493.05	447.69
		For 10 Fins Per Inch, Add	151.96	
		For 12 Fins Per Inch, Add	379.91	
23 82 16 13-0009	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,734.76	519.07
		For 10 Fins Per Inch, Add	173.93	
		For 12 Fins Per Inch, Add	434.83	
23 82 16 13-0010	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,233.89	605.22
		For 10 Fins Per Inch, Add	220.47	
		For 12 Fins Per Inch, Add	551.17	
23 82 16 13-0011	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,698.20	230.08
		For 10 Fins Per Inch, Add	84.76	
		For 12 Fins Per Inch, Add	211.90	
23 82 16 13-0012	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,016.36	391.76
		For 10 Fins Per Inch, Add	104.66	
		For 12 Fins Per Inch, Add	261.64	
23 82 16 13-0013	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,366.78	587.71
		For 10 Fins Per Inch, Add	123.83	
		For 12 Fins Per Inch, Add	309.57	
23 82 16 13-0014	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,037.90	684.38
		For 10 Fins Per Inch, Add	133.38	
		For 12 Fins Per Inch, Add	333.45	
23 82 16 13-0015		4 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,410.29	134.95
		For 10 Fins Per Inch, Add	62.80	
		For 12 Fins Per Inch, Add	157.00	
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,872.99	194.65
		For 10 Fins Per Inch, Add	89.71	
		For 12 Fins Per Inch, Add	224.28	
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,599.15	324.42
		For 10 Fins Per Inch, Add	119.01	
		For 12 Fins Per Inch, Add	297.52	
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,010.08	481.43
		For 10 Fins Per Inch, Add	140.98	
		For 12 Fins Per Inch, Add	352.44	
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,235.52	590.44
		For 10 Fins Per Inch, Add	161.12	
		For 12 Fins Per Inch, Add	402.79	
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,962.37	721.49
		For 10 Fins Per Inch, Add	190.41	
		For 12 Fins Per Inch, Add	476.03	
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,166.17	865.53
		For 10 Fins Per Inch, Add	208.72	
		For 12 Fins Per Inch, Add	521.80	
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,776.38	1,007.50
		For 10 Fins Per Inch, Add	195.23	
		For 12 Fins Per Inch, Add	488.07	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,551.86	434.84
		For 10 Fins Per Inch, Add	133.64	
		For 12 Fins Per Inch, Add	334.11	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,558.66	654.02
		For 10 Fins Per Inch, Add	165.01	
		For 12 Fins Per Inch, Add	412.53	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,323.48	1,150.37
		For 10 Fins Per Inch, Add	240.45	
		For 12 Fins Per Inch, Add	601.13	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,383.94	1,340.61
		For 10 Fins Per Inch, Add	274.06	
		For 12 Fins Per Inch, Add	685.14	
23 82 16 13-0028		6 Row Direct Expansion Cooling Coils (23 82 16 13-0001)		
23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,369.41	169.99
		For 10 Fins Per Inch, Add	80.56	
		For 12 Fins Per Inch, Add	201.40	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
23 82 16 13-0030	EA 12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,994.51		254.34
	For 10 Fins Per Inch, Add	89.71		
	For 12 Fins Per Inch, Add	224.28		
23 82 16 13-0031	EA 24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,181.61		433.41
	For 10 Fins Per Inch, Add	126.33		
	For 12 Fins Per Inch, Add	315.83		
23 82 16 13-0032	EA 24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,078.86		648.82
	For 10 Fins Per Inch, Add	155.62		
	For 12 Fins Per Inch, Add	389.06		
23 82 16 13-0033	EA 30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,966.48		811.03
	For 10 Fins Per Inch, Add	206.89		
	For 12 Fins Per Inch, Add	517.22		
23 82 16 13-0034	EA 30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,530.87		997.89
	For 10 Fins Per Inch, Add	230.69		
	For 12 Fins Per Inch, Add	576.72		
23 82 16 13-0035	EA 30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,724.73		1,179.56
	For 10 Fins Per Inch, Add	267.31		
	For 12 Fins Per Inch, Add	668.27		
23 82 16 13-0036	EA 30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,763.36		1,374.60
	For 10 Fins Per Inch, Add	240.28		
	For 12 Fins Per Inch, Add	600.71		
23 82 16 13-0037	EA 34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,412.41		594.19
	For 10 Fins Per Inch, Add	164.48		
	For 12 Fins Per Inch, Add	411.20		
23 82 16 13-0038	EA 34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,936.93		891.23
	For 10 Fins Per Inch, Add	203.09		
	For 12 Fins Per Inch, Add	507.72		
23 82 16 13-0039	EA 34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,673.77		1,329.57
	For 10 Fins Per Inch, Add	240.29		
	For 12 Fins Per Inch, Add	600.73		
23 82 16 13-0040	EA 34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	16,061.32		1,559.65
	For 10 Fins Per Inch, Add	258.84		
	For 12 Fins Per Inch, Add	647.10		
23 82 16 13-0041	8 Row Direct Expansion Cooling Coils (23 82 16 13-0001)			
23 82 16 13-0042	EA 12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,446.85		205.03
	For 10 Fins Per Inch, Add	100.70		
	For 12 Fins Per Inch, Add	251.75		
23 82 16 13-0043	EA 12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,491.79		316.63
	For 10 Fins Per Inch, Add	117.18		
	For 12 Fins Per Inch, Add	292.94		
23 82 16 13-0044	EA 24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,596.17		564.48
	For 10 Fins Per Inch, Add	169.36		
	For 12 Fins Per Inch, Add	423.39		
23 82 16 13-0045	EA 24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,623.89		865.53
	For 10 Fins Per Inch, Add	217.87		
	For 12 Fins Per Inch, Add	544.68		
23 82 16 13-0046	EA 30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,116.18		1,082.25
	For 10 Fins Per Inch, Add	259.07		
	For 12 Fins Per Inch, Add	647.67		
23 82 16 13-0047	EA 30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	17,516.91		1,297.66
	For 10 Fins Per Inch, Add	298.43		
	For 12 Fins Per Inch, Add	746.08		
23 82 16 13-0048	EA 30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	20,185.41		1,441.69
	For 10 Fins Per Inch, Add	346.03		
	For 12 Fins Per Inch, Add	865.09		
23 82 16 13-0049	EA 30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	16,860.31		1,672.29
	For 10 Fins Per Inch, Add	270.32		
	For 12 Fins Per Inch, Add	675.79		
23 82 16 13-0050	EA 34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,700.42		724.09
	For 10 Fins Per Inch, Add	185.04		
	For 12 Fins Per Inch, Add	462.61		
23 82 16 13-0051	EA 34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,601.04		1,088.60
	For 10 Fins Per Inch, Add	228.48		
	For 12 Fins Per Inch, Add	571.19		
23 82 16 13-0052	EA 34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	16,793.37		1,638.42
	For 10 Fins Per Inch, Add	270.33		
	For 12 Fins Per Inch, Add	675.82		
23 82 16 13-0053	EA 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	18,376.45		1,908.32
	For 10 Fins Per Inch, Add	291.20		
	For 12 Fins Per Inch, Add	727.99		
23 82 16 14	Electric-Resistance Air Coils (23 82 16)			
23 82 16 14-0001	Standard Electric Slip-In Blast Coil Heater (23 82 16 14)			
23 82 16 14-0002	Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 14-0001)			
23 82 16 14-0003	EA 1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	649.85		98.54
23 82 16 14-0004	EA 1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	666.25		106.22
23 82 16 14-0005	EA 2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	685.64		116.46
23 82 16 14-0006	EA 3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	692.16		120.30
23 82 16 14-0007	EA 4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	708.91		127.97
23 82 16 14-0008	EA 5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	728.18		138.21
23 82 16 14-0009	EA 6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	839.92		154.85
23 82 16 14-0010	EA 7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	855.52		162.53
23 82 16 14-0011	EA 8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	868.32		167.64
23 82 16 14-0012	EA 9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	887.02		177.89

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	972.64	188.12
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,009.07	206.04
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,045.28	223.96
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,083.79	241.87
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,510.27	337.85
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,758.54	359.61
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,027.74	412.08
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,585.16	456.87
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,757.13	496.54
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	4,116.56	545.17
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	5,079.41	582.29
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	5,583.89	625.80
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	6,801.38	675.70
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	7,666.92	734.57
23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)				
23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,043.12	140.77
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,074.77	153.57
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,087.22	153.57
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,175.18	168.93
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,227.46	168.93
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,255.29	168.93
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,318.10	188.12
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,374.97	211.16
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,402.80	211.16
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,579.41	241.87
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,024.11	241.87
23 82 16 14-0039	EA	25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,149.72	262.35
23 82 16 14-0040	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,530.51	281.55
23 82 16 14-0041	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,009.05	281.55
23 82 16 14-0042	EA	45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,284.44	294.34
23 82 16 14-0043	EA	50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,450.36	294.34
23 82 19 Fan Coil Units (23 82)				
23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units (23 82 19)				
Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.				
23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)				
23 82 19 00-0003	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	2,973.25	210.22
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-55.93	
23 82 19 00-0004	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	3,377.56	245.26
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-59.48	
23 82 19 00-0005	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,017.65	276.40
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-62.61	
23 82 19 00-0006	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,618.27	316.63
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-66.65	
23 82 19 00-0007	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	5,228.28	332.20
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-114.91	
23 82 19 00-0008	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	6,765.96	351.66
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-117.61	
23 82 19 00-0009	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	7,982.98	381.51
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-122.25	
23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0001)				
23 82 19 00-0011	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,393.91	210.22
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-55.93	
23 82 19 00-0012	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	4,942.04	245.26
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-59.48	
23 82 19 00-0013	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	6,117.62	276.40
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-62.61	
23 82 19 00-0014	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	6,609.66	316.63
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-66.65	
23 82 19 00-0015	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	7,053.35	333.50
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-114.91	
23 82 19 00-0016	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	9,446.76	351.66
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-117.61	
23 82 19 00-0017	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	11,099.19	381.51
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-122.25	
23 82 19 00-0018	EA	1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	11,841.70	395.79
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-124.37	
23 82 19 00-0019	EA	1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	13,237.42	412.00
		For 2-Way Valve Instead Of 3-Way, Deduct.....	-126.80	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 19 00-0020	EA	1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet.....	14,248.54	428.23
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-129.23	

23 82 19 00-0021 Floor Mounted Vertical Fan Coil Units (23 82 19)

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0022 Vertical Fan Coil Units With Electric Heating Coil (23 82 19 00-0021)

23 82 19 00-0023	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	2,862.18	208.92
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-387.47	
		<i>For Thru-Wall Sleeve, Add</i>	138.72	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-55.93	
23 82 19 00-0024	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,266.48	245.26
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-441.00	
		<i>For Thru-Wall Sleeve, Add</i>	152.94	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.48	
23 82 19 00-0025	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	3,884.34	276.40
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-527.43	
		<i>For Thru-Wall Sleeve, Add</i>	165.44	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-62.61	
23 82 19 00-0026	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	4,464.98	316.63
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-606.45	
		<i>For Thru-Wall Sleeve, Add</i>	181.60	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-66.65	
23 82 19 00-0027	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	5,052.79	333.50
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-691.37	
		<i>For Thru-Wall Sleeve, Add</i>	188.09	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-114.91	
23 82 19 00-0028	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	6,532.70	351.66
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-909.76	
		<i>For Thru-Wall Sleeve, Add</i>	195.29	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-117.61	
23 82 19 00-0029	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	7,705.30	381.51
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,079.46	
		<i>For Thru-Wall Sleeve, Add</i>	207.66	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-122.25	

23 82 19 00-0030 Vertical Fan Coil Units With Hot Water Heating Coil (23 82 19 00-0021)

23 82 19 00-0031	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	4,220.92	208.92
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-591.28	
		<i>For Thru-Wall Sleeve, Add</i>	138.72	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-55.93	
23 82 19 00-0032	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	4,748.28	245.26
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-663.27	
		<i>For Thru-Wall Sleeve, Add</i>	152.94	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.48	
23 82 19 00-0033	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	5,875.43	276.40
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-826.10	
		<i>For Thru-Wall Sleeve, Add</i>	165.44	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-62.61	
23 82 19 00-0034	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	6,716.71	316.63
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-944.21	
		<i>For Thru-Wall Sleeve, Add</i>	181.60	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-66.65	
23 82 19 00-0035	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	7,509.63	333.50
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,059.90	
		<i>For Thru-Wall Sleeve, Add</i>	188.09	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-114.91	
23 82 19 00-0036	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	9,066.53	351.66
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,289.84	
		<i>For Thru-Wall Sleeve, Add</i>	195.29	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-117.61	
23 82 19 00-0037	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	10,649.34	381.51
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,521.07	
		<i>For Thru-Wall Sleeve, Add</i>	207.66	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-122.25	
23 82 19 00-0038	EA	1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	11,684.44	395.79
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,673.51	
		<i>For Thru-Wall Sleeve, Add</i>	213.31	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-124.37	
23 82 19 00-0039	EA	1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	12,922.90	412.00
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,856.03	
		<i>For Thru-Wall Sleeve, Add</i>	219.80	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-126.80	
23 82 19 00-0040	EA	1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet.....	13,790.01	412.00
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,982.86	
		<i>For Thru-Wall Sleeve, Add</i>	226.29	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-129.23	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0041		Removal And Reinstallation Of Fan Coil Units (23 82 19) Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0042	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	551.73	
23 82 29		Radiators (23 82)		
23 82 29 00-0001		Demolish Cast Iron Radiators (23 82 29)		
23 82 29 00-0002	LF	Demolish Cast Iron Radiator	38.92	
23 82 29 00-0003	EA	Cap Radiator	60.53	
23 82 29 00-0004		Cast Iron Radiator (23 82 29)		
23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing	61.73	
		For Wall Support Bracket, Add	30.30	
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing	87.96	
		For Wall Support Bracket, Add	31.99	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	102.49	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	129.32	
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille	85.35	
23 82 29 00-0010		Radiator Covers (23 82 29) Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover	137.95	6.95
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover	86.26	6.95
23 82 29 00-0013		Radiator Shields (23 82 29)		
23 82 29 00-0014	SF	Stainless Steel Radiator Shield	70.29	6.95
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield	48.70	6.95
23 82 29 00-0016		Removal And Reinstallation Of Radiator (23 82 29) Note: Includes storage and cleaning.		
23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator	97.32	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator	64.88	
23 82 33		Convectors (23 82)		
23 82 33 00-0001		Multi-Fin Convectors For Two-Pipe System (23 82 33) Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002		20" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	622.59	142.74
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	70.88	
		For Snap-On Inlet Grille, Add	53.26	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	142.21	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	732.53	155.72
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	76.78	
		For Snap-On Inlet Grille, Add	57.19	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	173.81	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	843.26	184.27
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	89.68	
		For Snap-On Inlet Grille, Add	65.79	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	197.51	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,009.21	214.11
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	103.31	
		For Snap-On Inlet Grille, Add	74.88	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	239.69	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,203.61	256.93
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	122.77	
		For Snap-On Inlet Grille, Add	87.84	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	285.04	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,353.54	282.63
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	134.43	
		For Snap-On Inlet Grille, Add	95.62	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	323.90	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,573.89	342.58
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	161.67	
		For Snap-On Inlet Grille, Add	113.78	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	369.25	
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,717.40	363.99
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	171.40	
		For Snap-On Inlet Grille, Add	120.27	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	408.12	
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,874.77	406.81
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	190.85	
		For Snap-On Inlet Grille, Add	133.23	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	440.51	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,069.27	449.64
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	210.33	
		For Snap-On Inlet Grille, Add	146.22	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	485.86	
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,226.66	492.46
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	229.79	
		For Snap-On Inlet Grille, Add	159.19	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	518.25	

23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)

23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	733.07	187.77
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	90.48	
		For Snap-On Inlet Grille, Add	66.32	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	158.01	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	860.57	218.14
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	104.11	
		For Snap-On Inlet Grille, Add	75.41	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	186.74	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,040.59	256.16
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	121.18	
		For Snap-On Inlet Grille, Add	86.78	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	229.83	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,218.66	285.62
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	134.40	
		For Snap-On Inlet Grille, Add	95.60	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	276.73	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,421.58	321.17
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	150.40	
		For Snap-On Inlet Grille, Add	106.26	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	329.09	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,590.04	347.90
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	162.47	
		For Snap-On Inlet Grille, Add	114.31	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	373.97	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,813.32	396.43
		For Knob Operated Damper, Add	15.00	
		For Metal Trim Strips, Add	184.58	
		For Snap-On Inlet Grille, Add	129.05	
		For Access Doors Hinged, Add	15.00	
		For Air Chamber, Auto-vent, Add	18.00	
		For 3 Tubes System, Add	426.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0022	EA		26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,977.43	420.70
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	195.35	
			For Snap-On Inlet Grille, Add	136.23	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	471.20	
23 82 33 00-0023	EA		26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,140.44	458.72
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	212.19	
			For Snap-On Inlet Grille, Add	147.46	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	508.60	
23 82 33 00-0024	EA		26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,346.78	495.97
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	229.22	
			For Snap-On Inlet Grille, Add	158.81	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	560.95	
23 82 33 00-0025	EA		26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,504.69	530.09
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	244.54	
			For Snap-On Inlet Grille, Add	169.03	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	598.35	
23 82 33 00-0026			32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)		
23 82 33 00-0027	EA		32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	842.46	228.39
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	109.76	
			For Snap-On Inlet Grille, Add	79.17	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	173.81	
23 82 33 00-0028	EA		32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,005.49	276.40
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	131.58	
			For Snap-On Inlet Grille, Add	93.72	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	205.41	
23 82 33 00-0029	EA		32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,211.64	323.12
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	152.79	
			For Snap-On Inlet Grille, Add	107.86	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	252.82	
23 82 33 00-0030	EA		32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,401.73	351.15
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	165.60	
			For Snap-On Inlet Grille, Add	116.40	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	304.41	
23 82 33 00-0031	EA		32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,608.65	379.43
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	178.31	
			For Snap-On Inlet Grille, Add	124.88	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	361.99	
23 82 33 00-0032	EA		32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,791.48	406.81
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	190.85	
			For Snap-On Inlet Grille, Add	133.23	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	411.36	
23 82 33 00-0033	EA		32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,008.20	441.07
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	206.50	
			For Snap-On Inlet Grille, Add	143.67	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	468.95	
23 82 33 00-0034	EA		32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,192.32	469.36
			For Knob Operated Damper, Add	15.00	
			For Metal Trim Strips, Add	219.43	
			For Snap-On Inlet Grille, Add	152.29	
			For Access Doors Hinged, Add	15.00	
			For Air Chamber, Auto-vent, Add	18.00	
			For 3 Tubes System, Add	518.31	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,356.57		501.03
		For Knob Operated Damper, Add	15.00		
		For Metal Trim Strips, Add	233.45		
		For Snap-On Inlet Grille, Add	161.63		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	559.45		
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,567.76		531.00
		For Knob Operated Damper, Add	15.00		
		For Metal Trim Strips, Add	247.44		
		For Snap-On Inlet Grille, Add	170.96		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	617.04		
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,723.57		556.69
		For Knob Operated Damper, Add	15.00		
		For Metal Trim Strips, Add	258.92		
		For Snap-On Inlet Grille, Add	178.61		
		For Access Doors Hinged, Add	15.00		
		For Air Chamber, Auto-vent, Add	18.00		
		For 3 Tubes System, Add	658.18		
23 82 33 00-0038		Electric Convectors, Floor Standing Units (23 82 33)			
23 82 33 00-0039		4" Deep Electric Convectors (23 82 33 00-0038)			
23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	665.08		137.35
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	734.16		137.35
23 82 33 00-0042		6" Deep Electric Convectors (23 82 33 00-0038)			
23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	766.04		137.35
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	872.31		137.35
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	965.30		137.35
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,111.43		137.35
23 82 36		Finned-Tube Radiation Heaters (23 82)			
23 82 36 00-0001		Electric Baseboard Heating (23 82 36)			
		Note: Includes 24 gauge steel enclosure and heating element			
23 82 36 00-0002		Electric Wall Heating 10" Enclosure (23 82 36 00-0001)			
23 82 36 00-0003	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	160.73		76.31
23 82 36 00-0004	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	163.92		76.31
23 82 36 00-0005		Electric Wall Heating 16" Enclosure (23 82 36 00-0001)			
23 82 36 00-0006	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	192.61		76.31
23 82 36 00-0007	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	200.58		76.31
23 82 36 00-0008		Finned Tube Baseboard Units (23 82 36)			
		Note: Complete with steel enclosure. Single heating element.			
23 82 36 00-0009		3/4" IPS Steel Tube With Steel Fins (23 82 36 00-0008)			
23 82 36 00-0010	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	402.84		50.61
		For 90 Degree Corner, Add	58.97		
		For Valve Enclosure, Add	58.97		
		For Filler Piece, Add	51.97		
		For End Cap, Add	39.83		
		For Copper Tube With Aluminum Fins, Add	8.69		
23 82 36 00-0011	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	531.92		76.56
		For 90 Degree Corner, Add	68.98		
		For Valve Enclosure, Add	68.98		
		For Filler Piece, Add	61.98		
		For End Cap, Add	46.34		
		For Copper Tube With Aluminum Fins, Add	13.04		
23 82 36 00-0012	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	640.43		101.21
		For 90 Degree Corner, Add	74.88		
		For Valve Enclosure, Add	74.88		
		For Filler Piece, Add	67.88		
		For End Cap, Add	50.17		
		For Copper Tube With Aluminum Fins, Add	17.38		
23 82 36 00-0013	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	797.79		141.71
		For 90 Degree Corner, Add	90.97		
		For Valve Enclosure, Add	90.97		
		For Filler Piece, Add	83.97		
		For End Cap, Add	60.63		
		For Copper Tube With Aluminum Fins, Add	21.61		
23 82 36 00-0014	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	954.38		170.25
		For 90 Degree Corner, Add	107.32		
		For Valve Enclosure, Add	107.32		
		For Filler Piece, Add	100.32		
		For End Cap, Add	71.26		
		For Copper Tube With Aluminum Fins, Add	25.73		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0015	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,080.40	181.67
			For 90 Degree Corner, Add	113.81	
			For Valve Enclosure, Add	113.81	
			For Filler Piece, Add	106.81	
			For End Cap, Add	75.48	
			For Copper Tube With Aluminum Fins, Add	30.87	
23 82 36 00-0016	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,191.05	200.75
			For 90 Degree Corner, Add	124.72	
			For Valve Enclosure, Add	124.72	
			For Filler Piece, Add	117.72	
			For End Cap, Add	82.57	
			For Copper Tube With Aluminum Fins, Add	33.96	
23 82 36 00-0017	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,359.84	227.09
			For 90 Degree Corner, Add	139.76	
			For Valve Enclosure, Add	139.76	
			For Filler Piece, Add	132.76	
			For End Cap, Add	92.35	
			For Copper Tube With Aluminum Fins, Add	39.11	
23 82 36 00-0018	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,499.65	249.79
			For 90 Degree Corner, Add	152.76	
			For Valve Enclosure, Add	152.76	
			For Filler Piece, Add	145.76	
			For End Cap, Add	100.79	
			For Copper Tube With Aluminum Fins, Add	43.22	
23 82 36 00-0019 1" IPS Steel Tube With Steel Fins (23 82 36 00-0008)					
23 82 36 00-0020	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	470.57	50.61
			For 90 Degree Corner, Add	58.97	
			For Valve Enclosure, Add	58.97	
			For Filler Piece, Add	51.97	
			For End Cap, Add	39.63	
			For Copper Tube With Aluminum Fins, Add	12.42	
23 82 36 00-0021	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	633.51	76.56
			For 90 Degree Corner, Add	68.98	
			For Valve Enclosure, Add	68.98	
			For Filler Piece, Add	61.98	
			For End Cap, Add	46.34	
			For Copper Tube With Aluminum Fins, Add	18.62	
23 82 36 00-0022	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	775.87	101.21
			For 90 Degree Corner, Add	74.88	
			For Valve Enclosure, Add	74.88	
			For Filler Piece, Add	67.88	
			For End Cap, Add	50.17	
			For Copper Tube With Aluminum Fins, Add	24.83	
23 82 36 00-0023	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	966.36	141.71
			For 90 Degree Corner, Add	91.00	
			For Valve Enclosure, Add	91.00	
			For Filler Piece, Add	84.00	
			For End Cap, Add	60.65	
			For Copper Tube With Aluminum Fins, Add	30.87	
23 82 36 00-0024	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,154.64	170.25
			For 90 Degree Corner, Add	107.27	
			For Valve Enclosure, Add	107.27	
			For Filler Piece, Add	100.27	
			For End Cap, Add	71.23	
			For Copper Tube With Aluminum Fins, Add	36.75	
23 82 36 00-0025	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,320.99	181.67
			For 90 Degree Corner, Add	113.81	
			For Valve Enclosure, Add	113.81	
			For Filler Piece, Add	106.81	
			For End Cap, Add	75.48	
			For Copper Tube With Aluminum Fins, Add	44.11	
23 82 36 00-0026	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,455.27	200.75
			For 90 Degree Corner, Add	124.63	
			For Valve Enclosure, Add	124.63	
			For Filler Piece, Add	117.63	
			For End Cap, Add	82.51	
			For Copper Tube With Aluminum Fins, Add	48.52	
23 82 36 00-0027	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,664.59	227.09
			For 90 Degree Corner, Add	139.76	
			For Valve Enclosure, Add	139.76	
			For Filler Piece, Add	132.76	
			For End Cap, Add	92.35	
			For Copper Tube With Aluminum Fins, Add	55.87	
23 82 36 00-0028	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,835.69	249.79
			For 90 Degree Corner, Add	152.60	
			For Valve Enclosure, Add	152.60	
			For Filler Piece, Add	145.60	
			For End Cap, Add	100.69	
			For Copper Tube With Aluminum Fins, Add	61.75	
23 82 36 00-0029 1-1/4" IPS Steel Tube With Steel Fins (23 82 36 00-0008)					
23 82 36 00-0030	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	538.28	50.61
			For 90 Degree Corner, Add	58.97	
			For Valve Enclosure, Add	58.97	
			For Filler Piece, Add	51.97	
			For End Cap, Add	39.63	
			For Copper Tube With Aluminum Fins, Add	16.14	

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 36 00-0031	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	735.09	76.56
		For 90 Degree Corner, Add	68.98	
		For Valve Enclosure, Add	68.98	
		For Filler Piece, Add	61.98	
		For End Cap, Add	46.34	
		For Copper Tube With Aluminum Fins, Add	24.21	
23 82 36 00-0032	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	911.31	101.21
		For 90 Degree Corner, Add	74.88	
		For Valve Enclosure, Add	74.88	
		For Filler Piece, Add	67.88	
		For End Cap, Add	50.17	
		For Copper Tube With Aluminum Fins, Add	32.28	
23 82 36 00-0033	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,134.76	141.71
		For 90 Degree Corner, Add	91.00	
		For Valve Enclosure, Add	91.00	
		For Filler Piece, Add	84.00	
		For End Cap, Add	60.65	
		For Copper Tube With Aluminum Fins, Add	40.14	
23 82 36 00-0034	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,355.12	170.25
		For 90 Degree Corner, Add	107.27	
		For Valve Enclosure, Add	107.27	
		For Filler Piece, Add	100.27	
		For End Cap, Add	71.23	
		For Copper Tube With Aluminum Fins, Add	47.78	
23 82 36 00-0035	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,561.57	181.67
		For 90 Degree Corner, Add	113.81	
		For Valve Enclosure, Add	113.81	
		For Filler Piece, Add	106.81	
		For End Cap, Add	75.48	
		For Copper Tube With Aluminum Fins, Add	57.34	
23 82 36 00-0036	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,719.91	200.75
		For 90 Degree Corner, Add	124.63	
		For Valve Enclosure, Add	124.63	
		For Filler Piece, Add	117.63	
		For End Cap, Add	82.51	
		For Copper Tube With Aluminum Fins, Add	63.07	
23 82 36 00-0037	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,969.32	227.09
		For 90 Degree Corner, Add	139.76	
		For Valve Enclosure, Add	139.76	
		For Filler Piece, Add	132.76	
		For End Cap, Add	92.35	
		For Copper Tube With Aluminum Fins, Add	72.63	
23 82 36 00-0038	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	2,172.50	249.79
		For 90 Degree Corner, Add	152.60	
		For Valve Enclosure, Add	152.60	
		For Filler Piece, Add	145.60	
		For End Cap, Add	100.69	
		For Copper Tube With Aluminum Fins, Add	80.27	

23 82 39 Unit Heaters (23 82)**23 82 39 13 Cabinet Unit Heaters (23 82 39)**

23 82 39 13-0001 Electric Cabinet Unit Heaters (23 82 39 13)
 Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)

23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,250.85	173.43
		Note: Wall or floor mounted.		
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,276.34	173.43
		Note: Wall or floor mounted.		
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,301.83	173.43
		Note: Wall or floor mounted.		
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,327.30	173.43
		Note: Wall or floor mounted.		
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,352.78	173.43
		Note: Wall or floor mounted.		
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,378.27	173.43
		Note: Wall or floor mounted.		
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,404.77	173.43
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	231.69	115.16

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)

23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,457.82	208.11
		Note: Wall or floor mounted.		
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,508.80	208.11
		Note: Wall or floor mounted.		
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,559.76	208.11
		Note: Wall or floor mounted.		
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,610.73	208.11
		Note: Wall or floor mounted.		
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,661.69	208.11
		Note: Wall or floor mounted.		
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,712.66	208.11
		Note: Wall or floor mounted.		
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,763.62	208.11
		Note: Wall or floor mounted.		
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	277.48	138.74

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0020		Electric Cabinet Unit Heaters, 58" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,343.72	277.48
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,394.67	277.48
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,445.65	277.48
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,496.60	277.48
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,547.58	277.48
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,598.53	277.48
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	346.85	173.43
23 82 39 13-0028		Electric Cabinet Unit Heaters, 68" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,127.69	346.85
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,204.13	346.85
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,280.57	346.85
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,357.02	346.85
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,433.48	346.85
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,509.92	346.85
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,586.37	346.85
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	463.39	231.69
23 82 39 13-0037		Electric Cabinet Unit Heaters, 78" Cabinet Length (23 82 39 13-0001)		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,013.57	416.22
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,115.50	416.22
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,217.43	416.22
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,319.36	416.22
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,421.29	416.22
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,523.22	416.22
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,625.15	416.22
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	554.95	277.48
23 82 39 13-0046		Removal and Reinstallation of Cabinet Unit Heaters (23 82 39 13) Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	356.85	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	616.40	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	735.77	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	995.30	
23 82 39 16		Propeller Unit Heaters (23 82 39)		
23 82 39 16-0001		Hydronic Unit Heaters Using Steam Or Hot Water (23 82 39 16) Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,447.52	129.77
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,450.75	129.77
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,637.02	129.77
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,960.64	194.65
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,055.94	194.65
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,197.84	194.65
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,606.96	259.53
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,892.86	259.53
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,074.79	259.53
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,222.07	259.53
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,598.72	324.42
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,648.56	324.42
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,696.21	324.42
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,884.38	389.30
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,256.91	389.30
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,843.85	454.18
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,193.16	454.18
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,543.74	519.07

23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	7,929.89	519.07
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	284.82	32.44
Note: Required only for unit heaters located within 7' of a working surface.				

23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)

23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,088.45	129.77
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,191.32	194.65
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,378.68	194.65
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,899.38	259.53
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,083.45	259.53
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,550.83	389.30
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,832.40	389.30
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,068.50	389.30
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,521.12	454.18
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,800.54	454.18
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,365.80	454.18
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	6,140.71	583.94
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	8,020.68	583.94
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	8,596.80	583.94
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	9,805.17	648.82
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	391.55	32.44
Note: Required only for unit heaters located within 7' of a working surface.				

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	778.59	
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	1,038.12	

23 82 39 19 Wall and Ceiling Unit Heaters (23 82 39)**23 82 39 19-0001 Electric Unit Heaters** (23 82 39 19)

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	957.73	138.74
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	957.73	138.74
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,283.19	173.43
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,472.81	208.11
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,146.00	277.48
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	3,119.33	346.85
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,298.22	416.22
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	6,268.62	485.59
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,178.87	138.74
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,135.70	138.74
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,346.39	173.43
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,555.04	208.11
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,310.45	277.48

23 82 39 19-0015 Electric Ceiling and Wall Heaters (23 82 39 19)

Note: The "I" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	440.66	86.71
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	515.02	97.12
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	798.44	97.12
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	498.87	86.71
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	606.88	97.12
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	906.34	97.12
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	656.14	114.46
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,211.27	121.39
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	1,361.05	121.39
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,578.26	128.34
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,709.77	128.34
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	733.94	114.46
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,333.81	121.39
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,483.59	121.39
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	693.30	86.71

23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters (23 82 39 19)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater.....	467.19	
23 82 39 19-0033	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	960.37	

23 83 Radiant Heating Units (23 80)**23 83 13 Radiant-Heating Electric Cables** (23 83)**23 83 13 13 Radiant-Heating Electric Cables** (23 83 13)**23 83 13 13-0001 Self Regulating Heating Cable** (23 83 13 13)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 Degrees F.	9.57	0.91
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.20	0.91
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.65	0.91
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.57	0.91
23 83 13 13-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	11.28	0.91
23 83 13 13-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	11.91	0.91
23 83 13 13-0008	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	11.90	0.91
23 83 13 13-0009	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.20	0.91
23 83 13 13-0010	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.49	0.91
23 83 13 13-0011	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.90	0.91
23 83 13 13-0012	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.20	0.91
23 83 13 13-0013	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.49	0.91
23 83 13 13-0014	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 Degrees F.	14.84	0.91
23 83 13 13-0015	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	15.42	0.91
23 83 13 13-0016	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	15.72	0.91
23 83 13 13-0017	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	14.84	0.91
23 83 13 13-0018	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	15.42	0.91
23 83 13 13-0019	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	15.72	0.91
23 83 13 13-0020	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	339.57	71.42
23 83 13 13-0021	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	339.57	71.42
23 83 13 13-0022	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable.....	222.70	12.99
23 83 13 13-0023	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	603.61	32.47
23 83 13 13-0024	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	664.80	32.47

23 83 33 Electric Radiant Heaters (23 83)
23 83 33 00-0001 Residential Wall Heaters (23 83 33)

23 83 33 00-0002	EA	750 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	533.33	138.74
23 83 33 00-0003	EA	1,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	533.33	138.74
23 83 33 00-0004	EA	1,250 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	597.29	138.74
23 83 33 00-0005	EA	1,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	597.29	138.74
23 83 33 00-0006	EA	2,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	610.08	138.74
23 83 33 00-0007	EA	2,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	610.08	138.74
23 83 33 00-0008	EA	3,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	661.26	138.74
23 83 33 00-0009	EA	4,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	686.84	138.74

23 83 33 00-0010 Commercial Wall Heaters (23 83 33)

23 83 33 00-0011	EA	750 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt.....	635.67	138.74
23 83 33 00-0012	EA	1,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt.....	635.67	138.74
23 83 33 00-0013	EA	1,250 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt.....	635.67	138.74
23 83 33 00-0014	EA	1,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt.....	686.84	138.74
23 83 33 00-0015	EA	2,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt.....	725.22	138.74
23 83 33 00-0016	EA	2,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt.....	725.22	138.74
23 83 33 00-0017	EA	3,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt.....	917.10	138.74
23 83 33 00-0018	EA	4,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt.....	917.10	138.74

23 84 Humidity Control Equipment (23 80)
23 84 13 Humidifiers (23 84)
23 84 13 16 Wetted-Element Humidifiers (23 84 13)
23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing (23 84 13 16)

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.

23 84 13 16-0002	EA	1-96 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	13,457.55	534.64
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23 Heating, Ventilating, and Air-Conditioning (HVAC)**23 80 Decentralized Unitary HVAC Equipment****23 84 Humidity Control Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

23 84 13 16-0003 EA 20-168 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold 17,057.16 535.93

23 84 13 23 Direct-Steam-Injection Humidifiers (23 84 13)**23 84 13 23-0001 Steam Type Pneumatically Controlled (23 84 13 23)**

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002	EA	3-191 Lb./Hour Steam Humidifier, 24" Manifold, Pneumatic Controls.....	2,184.86	342.58
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	672.76	
23 84 13 23-0003	EA	3-191 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls.....	2,184.86	342.58
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	672.76	
23 84 13 23-0004	EA	65-334 Lb./Hour Steam Humidifier, 36" Manifold, Pneumatic Controls.....	3,131.93	342.58
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	956.88	
23 84 13 23-0005	EA	65-334 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls.....	3,261.68	428.23
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	1,000.13	
23 84 13 23-0006	EA	100-690 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls.....	4,689.16	342.58
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	1,424.05	
23 84 13 23-0007	EA	100-690 Lb./Hour Steam Humidifier, 84" Manifold, Pneumatic Controls.....	4,818.91	428.23
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	1,467.30	
23 84 13 23-0008	EA	220-2,000 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls.....	7,252.08	428.23
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	2,197.25	
23 84 13 23-0009	EA	220-2,000 Lb./Hour Steam Humidifier, 144" Manifold, Pneumatic Controls.....	7,414.29	535.93
		<i>For Electrically Controlled Unit, Add</i>	700.00	
		<i>For Each Additional Manifold, Add</i>	2,251.32	

23 84 13 29 Self-Contained Steam Humidifiers (23 84 13)**23 84 13 29-0001 Residential Humidifiers (23 84 13 29)**

Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002 EA Duct Or Furnace Mounted Humidifier, Residential Type..... 633.86 64.88

23 84 16 Mechanical Dehumidification Units (23 84)**23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)****23 84 16 16-0001 Mechanical Dehumidification Units (23 84 16 16)**

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	2,401.74	69.37
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10" / 6" Duct Connection, Refrigerant Dehumidifier	3,021.11	80.92
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10" / 6" Duct Connection, Refrigerant Dehumidifier	4,048.06	92.49

23 84 16 33 Portable Dehumidifiers (23 84 16)**23 84 16 33-0001 Self Contained Free Standing Unit (23 84 16 33)**

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier.....	557.08	150.09
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier.....	667.57	150.09
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier.....	733.86	150.09

END OF SECTION 23

		Electrical	26
		Operation and Maintenance of Electrical Systems	26 01
		Operation and Maintenance of Medium-Voltage Electrical Distribution	26 01 10
MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electrical equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 91 Medium-Voltage Electrical Distribution Restoration ^(26 01 10)

26 01 10 91-0001	Retrofit Distribution Enclosures ^(26 01 10 91)		
	Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.		
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	494.70	
	Note: 2mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	103.73	
	For >20 To 50, Add	82.98	
	For >50 To 100, Add	41.49	
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	643.41	
	Note: 2mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	140.91	
	For >20 To 50, Add	112.72	
	For >50 To 100, Add	56.36	
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	970.57	
	Note: 4mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	222.70	
	For >20 To 50, Add	178.16	
	For >50 To 100, Add	89.08	
26 01 10 91-0005	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	493.07	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	103.32	
	For >20 To 50, Add	82.66	
	For >50 To 100, Add	41.33	
26 01 10 91-0006	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	631.30	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	137.88	
	For >20 To 50, Add	110.30	
	For >50 To 100, Add	55.15	
26 01 10 91-0007	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	943.68	
	Note: 4mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	215.97	
	For >20 To 50, Add	172.78	
	For >50 To 100, Add	86.39	
26 01 10 91-0008	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)	387.62	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	76.96	
	For >20 To 50, Add	61.57	
	For >50 To 100, Add	30.78	
26 01 10 91-0009	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)	548.23	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	117.11	
	For >20 To 50, Add	93.69	
	For >50 To 100, Add	46.84	
26 01 10 91-0010	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR)	782.45	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	175.67	
	For >20 To 50, Add	140.53	
	For >50 To 100, Add	70.27	
26 01 10 91-0011	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	712.96	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	158.29	
	For >20 To 50, Add	126.63	
	For >50 To 100, Add	63.32	
26 01 10 91-0012	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	981.67	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	225.47	
	For >20 To 50, Add	180.38	
	For >50 To 100, Add	90.19	
26 01 10 91-0013	EA 4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,802.39	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	430.65	
	For >20 To 50, Add	344.52	
	For >50 To 100, Add	172.26	
26 01 10 91-0014	EA 3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	819.76	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	184.99	
	For >20 To 50, Add	147.99	
	For >50 To 100, Add	74.00	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,208.84
		Note: 4mm thick, aluminum frame, magnetic cover.	
		For Up To 20, Add	282.26
		For >20 To 50, Add	225.81
		For >50 To 100, Add	112.91

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)
26 01 20 91 Low-Voltage Electrical Distribution Restoration (26 01 20)

26 01 20 91-0001		Lock Out/Tag Out Devices (26 01 20 91)	
		Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.	
26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	46.75
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	46.75
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0004	EA	Lock Out Padlock Device	12.99
		Note: Includes the installation and removal of pad lock when required	
26 01 20 91-0005	EA	Lock Out Tags	5.33
		Note: Includes filling out tag information, installation and removal of identifying tags.	
26 01 20 91-0006		Existing Circuit Tracing (26 01 20 91)	
26 01 20 91-0007	EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	27.02
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	27.02

26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment (26 01)
26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration (26 01 30)

26 01 30 91-0001		Emergency Generator Permits (26 01 30 91)	
26 01 30 91-0002		Air Pollution Control Board (26 01 30 91-0001)	
26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator	5,052.51

26 01 50 Operation and Maintenance of Lighting (26 01)
26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001		Replace Lamps In Existing Fixtures (26 01 50 51)	
		Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.	
26 01 50 51-0002		Halogen Lamps (26 01 50 51-0001)	
26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	58.67
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	75.80
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	113.39
26 01 50 51-0006	EA	90 Watt, PAR38, Halogen Lamp	27.07
26 01 50 51-0007	EA	100 Watt, PAR38, Halogen Lamp	27.07
26 01 50 51-0008	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	38.77
26 01 50 51-0009	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	42.57
26 01 50 51-0010	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	41.59
26 01 50 51-0011	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	44.50
26 01 50 51-0012	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	45.12
26 01 50 51-0013	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Sora MR16-65-B01-12-830-10)	24.62
26 01 50 51-0014	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Sora MR16-75-B01-12-830-20)	24.62
26 01 50 51-0015	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Sora MR16-75-B01-12-830-25)	26.98
26 01 50 51-0016	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Sora MR16-75-B01-12-830-36)	26.98
26 01 50 51-0017		Incandescent Lamps (26 01 50 51-0001)	
26 01 50 51-0018	EA	100 Watt, Frosted, Interior Incandescent Lamp	7.45
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.15
26 01 50 51-0019	EA	150 Watt, Frosted, Interior Incandescent Lamp	9.38
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.15
26 01 50 51-0020	EA	200 Watt, Frosted, Interior Incandescent Lamp	11.55
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.15
26 01 50 51-0021	EA	300 Watt, PS25, Interior Incandescent Lamp	14.29
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.15
26 01 50 51-0022	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	10.60
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.15
26 01 50 51-0023	EA	75 Watt, R20, Interior Incandescent Lamp	16.95
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.58
26 01 50 51-0024	EA	75 Watt, PAR38, Exterior Incandescent Lamp	20.78
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.58
26 01 50 51-0025	EA	100 Watt, PAR38, Exterior Incandescent Lamp	19.26
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.58
26 01 50 51-0026	EA	150 Watt, PAR38, Exterior Incandescent Lamp	33.77
		For Removal Of Multiple Lamps In A Fixture, Deduct	-2.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0027	EA		250 Watt, PAR38, Exterior Incandescent Lamp	70.23	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.01	
26 01 50 51-0028	EA		300 Watt, PAR56, Exterior Incandescent Lamp	80.89	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.01	
26 01 50 51-0029 Exit Light Lamps (26 01 50 51-0001)					
26 01 50 51-0030	EA		Convert Exit Light Lamps To Red LED Lamps	125.05	
			<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0031	EA		Fluorescent Lamp For Exit Light	35.64	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-8.59	
26 01 50 51-0032	EA		Lamp Replacement For Emergency Lights On Exit Sign	47.76	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-4.30	
26 01 50 51-0033 Fluorescent Lamps (26 01 50 51-0001)					
26 01 50 51-0034	EA		18", 15 Watt, T8 Fluorescent Lamp	13.57	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0035	EA		2', 17 Watt, T8 Fluorescent Lamp	16.30	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0036	EA		3', 25 Watt, T8 Fluorescent Lamp	18.72	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0037	EA		4', 32 Watt, T8 Fluorescent Lamp	18.63	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0038	EA		4', 30 Watt, T8 Fluorescent Lamp	23.43	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0039	EA		4', 28 Watt, T8 Fluorescent Lamp	20.56	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0040	EA		4', 25 Watt, T8 Fluorescent Lamp	20.45	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0041	EA		4', 44 Watt, T8HO Fluorescent Lamp	32.79	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0042	EA		8', 59 Watt, T8 Fluorescent Lamp	25.04	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0043	EA		18", 15 Watt, T12 Fluorescent Lamp	20.45	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0044	EA		2', 20 Watt, T12 Fluorescent Lamp	15.52	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0045	EA		3', 30 Watt, T12 Fluorescent Lamp	17.42	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0046	EA		4', 34 Watt, T12 Fluorescent Lamp	17.51	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0047	EA		4', 40 Watt, T12 Fluorescent Lamp	17.15	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0048	EA		8', 60 Watt, T12 Fluorescent Lamp	25.67	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0049	EA		8', 75 Watt, T12 Fluorescent Lamp	21.70	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0050	EA		8', 95 Watt, Instant Start T12 Fluorescent Lamp	36.98	
26 01 50 51-0051	EA		6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	20.69	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0052	EA		8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	17.04	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0053	EA		12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	16.48	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0054	EA		16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	18.23	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0055	EA		6", 4 Watt, T5 Fluorescent Lamp	15.05	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0056	EA		9", 6 Watt, T5 Fluorescent Lamp	14.80	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0057	EA		12", 8 Watt, T5 Fluorescent Lamp	15.27	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0058	EA		21", 13 Watt, T5 Fluorescent Lamp	15.97	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0059	EA		24", 14 Watt, T5 Fluorescent Lamp	18.39	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0060	EA		34", 21 Watt, T5 Fluorescent Lamp	20.00	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0061	EA		46", 28 Watt, T5 Fluorescent Lamp	19.37	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0062	EA		46", 54 Watt, T5HO Fluorescent Lamp	21.19	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0063	EA		46", 54 Watt T5 Fluorescent Lamp	19.30	
26 01 50 51-0064	EA		32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	30.09	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-4.30	
26 01 50 51-0065	EA		40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	29.02	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-4.30	
26 01 50 51-0066	EA		27-55 Watt, 4-Pin Compact Fluorescent Lamp	26.97	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.15	
26 01 50 51-0067	EA		5-13 Watt, 2-Pin Compact Fluorescent Lamp	11.89	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.15	
26 01 50 51-0068	EA		9-26 Watt, 4-Pin Compact Fluorescent Lamp	13.14	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.15	
26 01 50 51-0069	EA		Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	35.18	
26 01 50 51-0070	EA		Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	35.18	
26 01 50 51-0071	EA		32 Watt 2D (DoubleD) Fluorescent Lamp	66.22	
26 01 50 51-0072	EA		26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	24.04	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 50 51-0073	EA	<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	12.35
26 01 50 51-0074	EA	9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	10.66
26 01 50 51-0075	EA	29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	11.19
26 01 50 51-0076	EA	33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	46.11
26 01 50 51-0077	EA	43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	50.30
26 01 50 51-0078	EA	85 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	95.80
26 01 50 51-0079	EA	105 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	114.75
26 01 50 51-0080	EA	200 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	118.61
26 01 50 51-0081	EA	11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	43.01
26 01 50 51-0082	EA	15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	44.86
26 01 50 51-0083	EA	20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	51.81

26 01 50 51-0084 Metal Halide Lamps (26 01 50 51-0001)

26 01 50 51-0085	EA	50 Watt, Pulse Start Metal Halide Lamp	52.02
26 01 50 51-0086	EA	70 Watt, Pulse Start Metal Halide Lamp	49.79
26 01 50 51-0087	EA	100 Watt, Pulse Start Metal Halide Lamp	56.85
26 01 50 51-0088	EA	150 Watt, Pulse Start Metal Halide Lamp	55.25
26 01 50 51-0089	EA	175 Watt, Pulse Start Metal Halide Lamp	54.79
26 01 50 51-0090	EA	250 Watt, Pulse Start Metal Halide Lamp	55.10
26 01 50 51-0091	EA	400 Watt, Pulse Start Metal Halide Lamp	66.37
26 01 50 51-0092	EA	1,000 Watt, Pulse Start Metal Halide Lamp	77.17
26 01 50 51-0093	EA	1,500 Watt, Pulse Start Metal Halide Lamp	76.72

26 01 50 51-0094 High Pressure Sodium Lamps (26 01 50 51-0001)

26 01 50 51-0095	EA	35 Watt, High Pressure Sodium Lamp	42.91
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.31
26 01 50 51-0096	EA	50 Watt, High Pressure Sodium Lamp	42.91
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.31
26 01 50 51-0097	EA	70 Watt, High Pressure Sodium Lamp	43.88
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.31
26 01 50 51-0098	EA	100 Watt, High Pressure Sodium Lamp	45.71
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.31
26 01 50 51-0099	EA	150 Watt, High Pressure Sodium Lamp	43.88
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.31
26 01 50 51-0100	EA	250 Watt, High Pressure Sodium Lamp	43.88
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.31
26 01 50 51-0101	EA	400 Watt, High Pressure Sodium Lamp	41.14
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	3.31
26 01 50 51-0102	EA	1,000 Watt, High Pressure Sodium Lamp	95.48

26 01 50 51-0103 Low Pressure Sodium Lamps (26 01 50 51-0001)

26 01 50 51-0104	EA	35 Watt, Low Pressure Sodium Lamp	109.27
26 01 50 51-0105	EA	55 Watt, Low Pressure Sodium Lamp	121.94
26 01 50 51-0106	EA	70 Watt, Low Pressure Sodium Lamp	124.79
26 01 50 51-0107	EA	90 Watt, Low Pressure Sodium Lamp	127.64
26 01 50 51-0108	EA	135 Watt, Low Pressure Sodium Lamp	139.06
26 01 50 51-0109	EA	180 Watt, Low Pressure Sodium Lamp	190.43

26 01 50 51-0110 LED Lamps (26 01 50 51-0001)**26 01 50 51-0111 LED Lamps, Candelabra Base, CA10** (26 01 50 51-0110)

26 01 50 51-0112	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	26.33
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26 01 50 51-0113 LED Lamps, Medium Base, A19 Or A21 (26 01 50 51-0110)

26 01 50 51-0114	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	37.39
26 01 50 51-0115	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	37.39
26 01 50 51-0116	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	67.08
26 01 50 51-0117	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	44.88
26 01 50 51-0118	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	85.63

26 01 50 51-0119 LED Lamps, Medium Base, BR30 Or BR40 (26 01 50 51-0110)

26 01 50 51-0120	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	49.49
26 01 50 51-0121	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	43.22
26 01 50 51-0122	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	59.88
26 01 50 51-0123	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	48.78
26 01 50 51-0124	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	67.30
26 01 50 51-0125	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	48.78

26 01 50 51-0126 LED Lamps, Medium Base, PAR (26 01 50 51-0110)

26 01 50 51-0127	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	55.43
26 01 50 51-0128	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	78.47
26 01 50 51-0129	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	78.47
26 01 50 51-0130	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	74.76
26 01 50 51-0131	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	71.05
26 01 50 51-0132	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	71.05
26 01 50 51-0133	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	146.01
26 01 50 51-0134	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	78.47
26 01 50 51-0135	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	74.76

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0136	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	78.47	
26 01 50 51-0137	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	78.47	
26 01 50 51-0138 LED Lamps, GU Base, MR16 (26 01 50 51-0110)				
26 01 50 51-0139	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	35.79	
26 01 50 51-0140	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	49.49	
26 01 50 51-0141	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	55.43	
26 01 50 51-0142 LED Lamps, PL Series (26 01 50 51-0110)				
26 01 50 51-0143	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	18.12	
26 01 50 51-0144	EA	26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/827/DIR)	24.04	
26 01 50 51-0145	EA	26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/830/DIR)	20.51	
26 01 50 51-0146	EA	26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/835/DIR)	22.72	
26 01 50 51-0147	EA	26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/840/DIR)	22.72	
26 01 50 51-0148	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 10.5PLH/930/DIR)	26.70	
26 01 50 51-0149	EA	13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/827/DIR)	22.72	
26 01 50 51-0150	EA	13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/830/DIR)	22.72	
26 01 50 51-0151	EA	13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/835/DIR)	22.72	
26 01 50 51-0152	EA	13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/840/DIR)	22.72	
26 01 50 51-0153	EA	26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 10PLV/827/DIR)	25.37	
26 01 50 51-0154	EA	26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/830/DIR)	25.37	
26 01 50 51-0155	EA	26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 10PLV/835/DIR)	25.37	
26 01 50 51-0156	EA	26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/840/DIR)	25.37	
26 01 50 51-0157	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 11PLV/930/DIR)	24.04	
26 01 50 51-0158	EA	13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/827/DIR)	24.04	
26 01 50 51-0159	EA	13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/830/DIR)	24.04	
26 01 50 51-0160	EA	13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/835/DIR)	24.93	
26 01 50 51-0161	EA	13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/840/DIR)	24.93	
26 01 50 51-0162	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	25.12	
26 01 50 51-0163	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	25.12	
26 01 50 51-0164	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	25.12	
26 01 50 51-0165	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	25.12	
26 01 50 51-0166	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	25.81	
26 01 50 51-0167	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	25.81	
26 01 50 51-0168	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	25.81	
26 01 50 51-0169	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	25.81	
26 01 50 51-0170	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	25.81	
26 01 50 51-0171	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	25.81	
26 01 50 51-0172	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	25.81	
26 01 50 51-0173	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	25.81	
26 01 50 51-0174	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	32.72	
26 01 50 51-0175	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	32.72	
26 01 50 51-0176	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	32.72	
26 01 50 51-0177	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	31.13	
26 01 50 51-0178	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	31.13	
26 01 50 51-0179	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	31.13	
26 01 50 51-0180	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898)	27.38	
26 01 50 51-0181 HID LED Lamps, Medium Base E26 (26 01 50 51-0110)				
26 01 50 51-0182	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/27TV/E26)	61.63	
26 01 50 51-0183	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/27TV/E26)	61.63	
26 01 50 51-0184	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/27TV/E26)	77.98	
26 01 50 51-0185	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/27TV/E26)	77.98	
26 01 50 51-0186	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	54.37	
26 01 50 51-0187	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	54.37	
26 01 50 51-0188	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	54.37	
26 01 50 51-0189	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	54.37	
26 01 50 51-0190	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	56.14	
26 01 50 51-0191	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	56.14	
26 01 50 51-0192	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	56.14	
26 01 50 51-0193	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	56.14	
26 01 50 51-0194	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	63.22	
26 01 50 51-0195	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	63.22	
26 01 50 51-0196	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	63.22	
26 01 50 51-0197	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	63.22	
26 01 50 51-0198	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	72.06	
26 01 50 51-0199	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	72.06	
26 01 50 51-0200	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	72.06	
26 01 50 51-0201	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	72.06	
26 01 50 51-0202	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	91.51	
26 01 50 51-0203	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	91.51	
26 01 50 51-0204	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	91.51	
26 01 50 51-0205	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	91.51	
26 01 50 51-0206	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	108.32	
26 01 50 51-0207	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	108.32	
26 01 50 51-0208	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	108.32	
26 01 50 51-0209	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	108.32	
26 01 50 51-0210	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	119.81	
26 01 50 51-0211	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	119.81	
26 01 50 51-0212	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	119.81	
26 01 50 51-0213	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	119.81	
26 01 50 51-0214	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	161.37	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 50 51-0215	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	161.37
26 01 50 51-0216	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	161.37
26 01 50 51-0217	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	161.37
26 01 50 51-0218	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	166.68
26 01 50 51-0219	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	166.68
26 01 50 51-0220	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	166.68
26 01 50 51-0221	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	166.68
26 01 50 51-0222	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	197.63
26 01 50 51-0223	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	197.63
26 01 50 51-0224	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	197.63
26 01 50 51-0225	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	197.63
26 01 50 51-0226	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	234.77
26 01 50 51-0227	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	234.77
26 01 50 51-0228	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	234.77
26 01 50 51-0229	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	234.77
26 01 50 51-0230	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT40KMED-G6)	76.19
26 01 50 51-0231	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED20WPT50KMED-G6)	82.38
26 01 50 51-0232	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT40KMED-G5)	82.38
26 01 50 51-0233	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED27WPT50KMED-G5)	76.19
26 01 50 51-0234	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT40KMED-G5)	95.64
26 01 50 51-0235	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED36WPT50KMED-G5)	87.69
26 01 50 51-0236	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT40KMED-G5)	105.37
26 01 50 51-0237	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED45WPT50KMED-G5)	104.33
26 01 50 51-0238	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT40KMED-G5)	106.70
26 01 50 51-0239	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EIKO industries LED54WPT50KMED-G5)	106.70
26 01 50 51-0240	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT40KMED-G7)	64.72
26 01 50 51-0241	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED27WPT50KMED-G7)	64.72
26 01 50 51-0242	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT40KMED-G7)	72.90
26 01 50 51-0243	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED36WPT50KMED-G7)	72.90
26 01 50 51-0244	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT40KMED-G7)	78.34
26 01 50 51-0245	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED45WPT50KMED-G7)	78.34
26 01 50 51-0246	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT40KMED-G7)	86.51
26 01 50 51-0247	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EIKO industries LED54WPT50KMED-G7)	86.51
26 01 50 51-0248	EA	15 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	86.93
26 01 50 51-0249	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	94.19
26 01 50 51-0250	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	117.09
26 01 50 51-0251	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	128.94
26 01 50 51-0252	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	50.85
26 01 50 51-0253	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	57.22
26 01 50 51-0254	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	60.40
26 01 50 51-0255	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	66.33
26 01 50 51-0256	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	79.70
26 01 50 51-0257	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	93.31
26 01 50 51-0258	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	127.32
26 01 50 51-0259	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	134.12
26 01 50 51-0260	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	145.01
26 01 50 51-0261	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	151.81
26 01 50 51-0262	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	218.47
26 01 50 51-0263	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-10D-20W-E26-50K)	68.74

26 01 50 51-0264 HID LED Lamps, Mogul Base E39 Or EX39
(26 01 50 51-0110)

26 01 50 51-0265	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	209.03
26 01 50 51-0266	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	209.03
26 01 50 51-0267	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	209.03
26 01 50 51-0268	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	61.63
26 01 50 51-0269	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	61.63
26 01 50 51-0270	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	61.63
26 01 50 51-0271	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	77.98
26 01 50 51-0272	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	77.98
26 01 50 51-0273	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	77.98
26 01 50 51-0274	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	144.31
26 01 50 51-0275	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	161.37
26 01 50 51-0276	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	161.37
26 01 50 51-0277	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	161.37
26 01 50 51-0278	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	161.37
26 01 50 51-0279	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	166.68
26 01 50 51-0280	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	166.68
26 01 50 51-0281	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	166.68
26 01 50 51-0282	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	166.68
26 01 50 51-0283	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	197.63
26 01 50 51-0284	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	197.63
26 01 50 51-0285	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	197.63
26 01 50 51-0286	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	197.63
26 01 50 51-0287	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	234.77
26 01 50 51-0288	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	234.77
26 01 50 51-0289	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	234.77
26 01 50 51-0290	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	234.77
26 01 50 51-0291	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EIKO industries LED27WPT40KMOG-G5)	82.38
26 01 50 51-0292	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EIKO industries LED27WPT50KMOG-G5)	82.38
26 01 50 51-0293	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EIKO industries LED36WPT40KMOG-G5)	95.64
26 01 50 51-0294	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EIKO industries LED36WPT50KMOG-G5)	94.42
26 01 50 51-0295	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EIKO industries LED45WPT40KMOG-G5)	105.37
26 01 50 51-0296	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EIKO industries LED45WPT50KMOG-G5)	104.33

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0297	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5).....	106.70	
26 01 50 51-0298	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5).....	103.62	
26 01 50 51-0299	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5).....	223.87	
26 01 50 51-0300	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7).....	82.35	
26 01 50 51-0301	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7).....	82.35	
26 01 50 51-0302	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7).....	93.35	
26 01 50 51-0303	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7).....	93.35	
26 01 50 51-0304	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7).....	99.97	
26 01 50 51-0305	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7).....	99.97	
26 01 50 51-0306	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7).....	64.61	
26 01 50 51-0307	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7).....	64.61	
26 01 50 51-0308	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7).....	72.90	
26 01 50 51-0309	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7).....	72.90	
26 01 50 51-0310	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7).....	78.34	
26 01 50 51-0311	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7).....	78.34	
26 01 50 51-0312	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7).....	86.51	
26 01 50 51-0313	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7).....	86.51	
26 01 50 51-0314	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39).....	155.38	
26 01 50 51-0315	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39).....	179.61	
26 01 50 51-0316	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39).....	214.10	
26 01 50 51-0317	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39).....	417.18	
26 01 50 51-0318	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39).....	393.99	
26 01 50 51-0319	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39).....	417.18	
26 01 50 51-0320	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39).....	418.99	
26 01 50 51-0321	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A).....	64.21	
26 01 50 51-0322	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A).....	64.21	
26 01 50 51-0323	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A).....	64.21	
26 01 50 51-0324	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50).....	188.70	
26 01 50 51-0325	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D).....	423.09	
26 01 50 51-0326	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K).....	180.69	
26 01 50 51-0327	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K).....	212.69	
26 01 50 51-0328	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K).....	94.33	
26 01 50 51-0329	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K).....	295.21	
26 01 50 51-0330		LED Lamps, 2G11 Base (26 01 50 51-0110)		
26 01 50 51-0331	EA	19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR).....	49.79	
26 01 50 51-0332		LED Lamps, GX23 Or G23 Base (26 01 50 51-0110)		
26 01 50 51-0333	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4).....	24.60	
26 01 50 51-0334		LED Lamps, G24 Base (26 01 50 51-0110)		
26 01 50 51-0335	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R).....	31.90	
26 01 50 51-0336		LED Tubes (Fluorescent Lamp Replacement) (26 01 50 51-0110)		
26 01 50 51-0337	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K).....	43.76	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0338	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K).....	56.88	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0339	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K).....	47.15	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.65	
26 01 50 51-0340	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	51.62	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0341	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	56.54	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0342	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN).....	35.61	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0343	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN).....	34.31	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0344	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF).....	31.27	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.44	
26 01 50 51-0345	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF).....	31.83	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.65	
26 01 50 51-0346	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF).....	31.83	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0347	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF).....	32.99	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-3.86	
26 01 50 51-0348		Filament LED Lamps (26 01 50 51-0110)		
26 01 50 51-0349	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827).....	20.18	
26 01 50 51-0350	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R).....	20.18	
26 01 50 51-0351	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827).....	19.30	
26 01 50 51-0352	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A).....	19.30	
26 01 50 51-0353	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827).....	20.71	
26 01 50 51-0354	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A).....	20.71	
26 01 50 51-0355	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827).....	17.53	
26 01 50 51-0356	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26).....	17.53	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 50 51-0357	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A).....	18.06	
26 01 50 51-0358	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	21.95	
26 01 50 51-0359	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521).....	23.85	

26 01 50 51-0360 Other Lamps (26 01 50 51-0110)

26 01 50 51-0361	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	19.16	
26 01 50 51-0362	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM).....	19.16	
26 01 50 51-0363	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM).....	19.16	
26 01 50 51-0364	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1).....	20.04	
26 01 50 51-0365	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	20.04	
26 01 50 51-0366	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1).....	20.04	

26 01 50 51-0367 LED Lamps, Light Engines, Round, LER Series (26 01 50 51-0110)

26 01 50 51-0368	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730).....	57.59	
26 01 50 51-0369	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U).....	33.30	

26 01 50 51-0370 Remove Hazardous Lamps From Fixture For Recycling (26 01 50 51)

Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0379 for recycling hazardous lamps.

26 01 50 51-0371	EA	Removal Of 2' Length Linear Fluorescent Lamps	4.56	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-1.50	
26 01 50 51-0372	EA	Removal Of 3' Length Linear Fluorescent Lamps	5.21	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-1.72	
26 01 50 51-0373	EA	Removal Of 4' Length Linear Fluorescent Lamps	5.85	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-1.93	
26 01 50 51-0374	EA	Removal Of 6' Length Linear Fluorescent Lamps	6.51	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.15	
26 01 50 51-0375	EA	Removal Of 8' Length Linear Fluorescent Lamps	7.16	
		<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.36	
26 01 50 51-0376	EA	Removal Of Compact Fluorescent Lamps	3.90	
		<i>For >25 To 40, Deduct</i>	-0.39	
		<i>For >40, Deduct</i>	-0.78	
26 01 50 51-0377	EA	Removal Of U-Shaped Or Circular Fluorescent Lamps	6.19	
		<i>For >25 To 40, Deduct</i>	-0.62	
		<i>For >40, Deduct</i>	-1.24	
26 01 50 51-0378	EA	Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps	11.07	
		<i>For >25 To 40, Deduct</i>	-1.11	
		<i>For >40, Deduct</i>	-2.21	

26 01 50 51-0379 Recycle Hazardous Lamps (26 01 50 51)

Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.

26 01 50 51-0380	EA	Recycle 2' Length Linear Fluorescent Lamps	1.79	
26 01 50 51-0381	EA	Recycle 3' Length Linear Fluorescent Lamps	2.29	
26 01 50 51-0382	EA	Recycle 4' Length Linear Fluorescent Lamps	2.79	
26 01 50 51-0383	EA	Recycle 6' Length Linear Fluorescent Lamps	3.95	
26 01 50 51-0384	EA	Recycle 8' Length Linear Fluorescent Lamps	4.95	
26 01 50 51-0385	EA	Recycle Compact Fluorescent Lamps	4.56	
26 01 50 51-0386	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	4.56	
26 01 50 51-0387	EA	Recycle High Intensity Discharge (HID) Lamps	7.20	

26 01 50 52 Ballasts Replacement (26 01 50)**26 01 50 52-0001 Lighting Ballasts** (26 01 50 52)

Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 52-0002 Fluorescent Ballasts (26 01 50 52-0001)**26 01 50 52-0003 T5 Fluorescent Ballasts** (26 01 50 52-0002)**26 01 50 52-0004 T5 Fluorescent Electronic Ballasts** (26 01 50 52-0003)

Note: Includes 120/277 Volt and normal ballast factor.

26 01 50 52-0005 14 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)

26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	141.69	26.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.81	
		<i>For High Ballast Factor, Add</i>	8.12	
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	148.19	32.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.76	
		<i>For High Ballast Factor, Add</i>	8.12	

26 01 50 52-0008 21 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)

26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	141.69	26.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.81	
		<i>For High Ballast Factor, Add</i>	8.12	
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	148.19	32.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.76	
		<i>For High Ballast Factor, Add</i>	8.12	

26 01 50 52-0011 28 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0012 EA 1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	141.69	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
For High Ballast Factor, Add	8.12	
26 01 50 52-0013 EA 2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	148.19	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
For High Ballast Factor, Add	8.12	
26 01 50 52-0014 35 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0015 EA 1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	141.69	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0016 EA 2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	148.19	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0017 54 Watt, T5 Fluorescent Electronic Ballasts (26 01 50 52-0004)		
26 01 50 52-0018 EA 1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	141.52	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0019 EA 2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	148.02	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0020 EA 3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	203.10	39.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.72	
26 01 50 52-0021 EA 4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	209.61	45.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.67	
26 01 50 52-0022 High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0003)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023 12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0024 EA 1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	118.62	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0025 EA 2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	125.12	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0026 24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0027 EA 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	155.49	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0028 EA 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	161.99	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0029 39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0030 EA 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	155.49	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0031 EA 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	161.99	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0032 54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0022)		
26 01 50 52-0033 EA 1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	118.62	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0034 EA 2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	125.12	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0035 Dimming, T5 Fluorescent Electronic Ballasts (26 01 50 52-0003)		
26 01 50 52-0036 Step Dimming, T5 Fluorescent Electronic Ballasts (26 01 50 52-0035)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037 28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast (26 01 50 52-0036)		
26 01 50 52-0038 EA 2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast.....	127.97	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0039 Dimming To 5%, T5 Fluorescent Electronic Ballasts (26 01 50 52-0035)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040 54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts (26 01 50 52-0039)		
26 01 50 52-0041 EA 1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	504.77	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0042 EA 2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	497.33	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0043 T8 Fluorescent Ballasts (26 01 50 52-0002)		
26 01 50 52-0044 T8 Fluorescent Electronic Ballasts (26 01 50 52-0043)		
Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045 17 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)		
26 01 50 52-0046 EA 1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	61.35	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
For High Ballast Factor, Add	19.75	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 01 50 52-0047	EA 1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	108.88	26.04	7.81	12.99
26 01 50 52-0048	EA 2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	67.85	32.54	9.76	19.75
26 01 50 52-0049	EA 2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	115.38	32.54	9.76	12.99
26 01 50 52-0050	EA 3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	82.71	39.05	11.72	19.23
26 01 50 52-0051	EA 3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	129.20	39.05	11.72	11.04
26 01 50 52-0052	EA 4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	94.64	45.56	13.67	48.69
26 01 50 52-0053	EA 4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	141.39	45.56	13.67	28.42
26 01 50 52-0054 25 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)					
26 01 50 52-0055	EA 1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	61.35	26.04	7.81	19.75
26 01 50 52-0056	EA 1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	108.88	26.04	7.81	12.99
26 01 50 52-0057	EA 2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	67.85	32.54	9.76	19.75
26 01 50 52-0058	EA 2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	115.38	32.54	9.76	12.99
26 01 50 52-0059	EA 3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	82.71	39.05	11.72	19.23
26 01 50 52-0060	EA 3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	129.20	39.05	11.72	11.04
26 01 50 52-0061	EA 4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	94.64	45.56	13.67	48.69
26 01 50 52-0062	EA 4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	141.39	45.56	13.67	28.42
26 01 50 52-0063 28 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)					
26 01 50 52-0064	EA 1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	61.35	26.04	7.81	19.75
26 01 50 52-0065	EA 1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	108.88	26.04	7.81	12.99
26 01 50 52-0066	EA 2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	67.85	32.54	9.76	19.75
26 01 50 52-0067	EA 2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	115.38	32.54	9.76	12.99
26 01 50 52-0068	EA 3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	82.71	39.05	11.72	19.23
26 01 50 52-0069	EA 3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	129.20	39.05	11.72	11.04
26 01 50 52-0070	EA 4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	94.64	45.56	13.67	48.69
26 01 50 52-0071	EA 4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	141.39	45.56	13.67	28.42
26 01 50 52-0072 32 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)					
26 01 50 52-0073	EA 1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	61.35	26.04	7.81	19.75
26 01 50 52-0074	EA 1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	108.88	26.04	7.81	12.99
26 01 50 52-0075	EA 2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	67.85	32.54	9.76	19.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0076	EA		2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	115.38	32.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
			For High Ballast Factor, Add	12.99	
26 01 50 52-0077	EA		3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	82.71	39.05
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.72	
			For High Ballast Factor, Add	19.23	
26 01 50 52-0078	EA		3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	129.20	39.05
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.72	
			For High Ballast Factor, Add	11.04	
26 01 50 52-0079	EA		4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	94.64	45.56
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.67	
			For High Ballast Factor, Add	48.69	
26 01 50 52-0080	EA		4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	141.39	45.56
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.67	
			For High Ballast Factor, Add	28.42	
26 01 50 52-0081 40 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)					
26 01 50 52-0082	EA		1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	98.81	26.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
			For High Ballast Factor, Add	8.45	
26 01 50 52-0083	EA		1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	108.88	26.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
			For High Ballast Factor, Add	12.99	
26 01 50 52-0084	EA		2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	105.31	32.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
			For High Ballast Factor, Add	8.45	
26 01 50 52-0085	EA		2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	115.38	32.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
			For High Ballast Factor, Add	12.99	
26 01 50 52-0086	EA		3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	131.63	39.05
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.72	
			For High Ballast Factor, Add	5.20	
26 01 50 52-0087	EA		3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	129.20	39.05
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.72	
26 01 50 52-0088	EA		4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	138.14	45.56
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.67	
			For High Ballast Factor, Add	5.20	
26 01 50 52-0089	EA		4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	141.39	45.56
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.67	
26 01 50 52-0090 96 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)					
26 01 50 52-0091	EA		1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	118.62	26.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
			For High Ballast Factor, Add	18.09	
26 01 50 52-0092	EA		2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	125.12	32.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
			For High Ballast Factor, Add	18.09	
26 01 50 52-0093 High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0043)					
Note: Includes 120/277 Volt and normal ballast factor.					
26 01 50 52-0094 48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)					
26 01 50 52-0095	EA		1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	144.12	26.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0096	EA		1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	188.17	26.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0097	EA		2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	150.62	32.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0098	EA		2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	194.67	32.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0099 60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)					
26 01 50 52-0100	EA		1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	144.12	26.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0101	EA		1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	188.17	26.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0102	EA		2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	150.62	32.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0103	EA		2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	194.67	32.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0104 72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)					
26 01 50 52-0105	EA		1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	144.12	26.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0106	EA		1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	188.17	26.04
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0107	EA		2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	150.62	32.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0108	EA		2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	194.67	32.54
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0109 96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)					

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 01 50 52-0149	EA	5 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	164.40		52.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62		
26 01 50 52-0150	EA	6 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast.....	170.90		58.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.57		
26 01 50 52-0151		Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0114)			
		Note: Includes 120/277 Volt and high ballast factor.			
26 01 50 52-0152		17 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0151)			
26 01 50 52-0153	EA	1 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	72.23		26.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.81		
26 01 50 52-0154	EA	2 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	78.73		32.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.76		
26 01 50 52-0155	EA	3 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	88.27		39.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.72		
26 01 50 52-0156	EA	4 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	109.40		45.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.67		
26 01 50 52-0157	EA	5 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	156.64		52.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62		
26 01 50 52-0158	EA	6 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	163.14		58.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.57		
26 01 50 52-0159		25 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0151)			
26 01 50 52-0160	EA	1 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	72.23		26.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.81		
26 01 50 52-0161	EA	2 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	78.73		32.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.76		
26 01 50 52-0162	EA	3 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	88.27		39.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.72		
26 01 50 52-0163	EA	4 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	109.40		45.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.67		
26 01 50 52-0164	EA	5 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	156.64		52.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62		
26 01 50 52-0165	EA	6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	163.14		58.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.57		
26 01 50 52-0166		28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0151)			
26 01 50 52-0167	EA	1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	72.23		26.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.81		
26 01 50 52-0168	EA	2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	78.73		32.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.76		
26 01 50 52-0169	EA	3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	88.27		39.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.72		
26 01 50 52-0170	EA	4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	109.40		45.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.67		
26 01 50 52-0171	EA	5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	156.64		52.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62		
26 01 50 52-0172	EA	6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	163.14		58.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.57		
26 01 50 52-0173		32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0151)			
26 01 50 52-0174	EA	1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	72.23		26.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.81		
26 01 50 52-0175	EA	2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	78.73		32.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.76		

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
26 01 50 52-0189	EA 1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.91	7.81	26.04
26 01 50 52-0190	EA 2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.41	9.76	32.54
26 01 50 52-0191	EA 3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	220.32	11.72	39.05
26 01 50 52-0192	EA 4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.83	13.67	45.56
26 01 50 52-0193	25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)			
26 01 50 52-0194	EA 1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.91	7.81	26.04
26 01 50 52-0195	EA 2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.41	9.76	32.54
26 01 50 52-0196	EA 3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	220.32	11.72	39.05
26 01 50 52-0197	EA 4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.83	13.67	45.56
26 01 50 52-0198	28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)			
26 01 50 52-0199	EA 1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.91	7.81	26.04
26 01 50 52-0200	EA 2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.41	9.76	32.54
26 01 50 52-0201	EA 3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	220.32	11.72	39.05
26 01 50 52-0202	EA 4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.83	13.67	45.56
26 01 50 52-0203	32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)			
26 01 50 52-0204	EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.91	7.81	26.04
26 01 50 52-0205	EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	184.41	9.76	32.54
26 01 50 52-0206	EA 3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	220.32	11.72	39.05
26 01 50 52-0207	EA 4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	226.83	13.67	45.56
26 01 50 52-0208	T10 Fluorescent Ballasts (26 01 50 52-0002)			
26 01 50 52-0209	T10 Fluorescent Electronic Ballasts (26 01 50 52-0208) Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0210	40 Watt, T10 Fluorescent Electronic Ballasts (26 01 50 52-0209)			
26 01 50 52-0211	EA 1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.44	7.81	26.04
26 01 50 52-0212	EA 2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.94	9.76	32.54
26 01 50 52-0213	EA 3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.23	11.72	39.05
26 01 50 52-0214	T12 Fluorescent Ballasts (26 01 50 52-0002)			
26 01 50 52-0215	T12 Fluorescent Electronic Ballasts (26 01 50 52-0214) Note: Includes 120/277 Volt and normal ballast factor.			
26 01 50 52-0216	25 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)			
26 01 50 52-0217	EA 1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.35	7.81	26.04
26 01 50 52-0218	EA 1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.44	7.81	26.04
26 01 50 52-0219	EA 2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.85	9.76	32.54
26 01 50 52-0220	EA 2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.94	9.76	32.54
26 01 50 52-0221	EA 3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.71	11.72	39.05
26 01 50 52-0222	EA 4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.64	13.67	45.56
26 01 50 52-0223	30 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)			
26 01 50 52-0224	EA 1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.44	7.81	26.04
26 01 50 52-0225	EA 2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.94	9.76	32.54
26 01 50 52-0226	EA 3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.23	11.72	39.05
26 01 50 52-0227	34 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0228 EA 1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	87.44	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0229 EA 2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	93.94	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0230 EA 3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	115.23	39.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.72	
26 01 50 52-0231 40 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0232 EA 1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	87.44	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0233 EA 2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	93.94	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0234 EA 3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	115.23	39.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.72	
26 01 50 52-0235 96 Watt, T12 Fluorescent Electronic Ballasts (26 01 50 52-0215)		
26 01 50 52-0236 EA 1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	110.01	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0237 EA 2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast.....	125.12	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0238 High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0214)		
Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239 48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0240 EA 1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	144.61	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0241 EA 2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	151.11	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0242 60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0243 EA 1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	144.61	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0244 EA 2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	151.11	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0245 72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0246 EA 1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	144.61	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0247 EA 2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	151.11	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0248 96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts (26 01 50 52-0238)		
26 01 50 52-0249 EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	144.61	26.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.81	
26 01 50 52-0250 EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast.....	151.11	32.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.76	
26 01 50 52-0251 Emergency Fluorescent Ballasts (26 01 50 52-0002)		
Note: 120/277 Volt.		
26 01 50 52-0252 EA 350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100).....	225.60	26.04
For Factory Installation In New Fixtures, Deduct	-52.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.62	
26 01 50 52-0253 EA 600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60).....	375.07	32.54
For Factory Installation In New Fixtures, Deduct	-54.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.40	
26 01 50 52-0254 EA 1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50).....	467.68	32.54
For Factory Installation In New Fixtures, Deduct	-54.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.40	
26 01 50 52-0255 EA 600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A).....	344.11	32.54
For Factory Installation In New Fixtures, Deduct	-54.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.40	
26 01 50 52-0256 EA 2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33).....	1,638.70	39.05
For Factory Installation In New Fixtures, Deduct	-57.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.18	
26 01 50 52-0257 EA 225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54).....	474.83	26.04
For Factory Installation In New Fixtures, Deduct	-52.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.62	
26 01 50 52-0258 EA 325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG).....	799.87	32.54
For Factory Installation In New Fixtures, Deduct	-54.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.40	
26 01 50 52-0259 EA 300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG).....	437.18	32.54
For Factory Installation In New Fixtures, Deduct	-54.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.40	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413).....	598.95	26.04
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463).....	463.00	26.04
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426).....	523.46	32.54
		<i>For Factory Installation In New Fixtures, Deduct</i>	-54.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.40	
26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500).....	567.02	32.54
		<i>For Factory Installation In New Fixtures, Deduct</i>	-54.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.40	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600).....	476.16	32.54
		<i>For Factory Installation In New Fixtures, Deduct</i>	-54.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.40	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700).....	483.86	26.04
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900).....	420.87	26.04
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C).....	437.18	32.54
		<i>For Factory Installation In New Fixtures, Deduct</i>	-54.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.40	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400).....	427.66	26.04
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST).....	787.20	32.54
		<i>For Factory Installation In New Fixtures, Deduct</i>	-54.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.40	
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST).....	985.91	32.54
		<i>For Factory Installation In New Fixtures, Deduct</i>	-54.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.40	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT).....	1,850.27	32.54
		<i>For Factory Installation In New Fixtures, Deduct</i>	-54.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.40	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT).....	1,283.41	32.54
		<i>For Factory Installation In New Fixtures, Deduct</i>	-54.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.40	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48).....	649.63	32.54
		<i>For Factory Installation In New Fixtures, Deduct</i>	-54.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.40	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1).....	844.31	26.04
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD).....	4,750.85	32.54
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 01 50 52-0276 LED Emergency Ballasts (26 01 50 52-0001)				
26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L).....	176.58	26.04
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST).....	268.94	26.04
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C).....	324.33	26.04
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310).....	363.87	26.04
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718).....	373.87	26.04
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV).....	489.63	26.04
		<i>For Factory Installation In New Fixtures, Deduct</i>	-52.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0283 EA Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ) <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	582.51 -52.07 15.62	26.04
26 01 50 52-0284 Compact Fluorescent Ballasts (26 01 50 52-0001)		
26 01 50 52-0285 Compact Fluorescent Electronic Ballasts (26 01 50 52-0284) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0286 18 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0287 EA 1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	133.89 7.81	26.04
26 01 50 52-0288 EA 2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.39 9.76	32.54
26 01 50 52-0289 26 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0290 EA 1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	133.89 7.81	26.04
26 01 50 52-0291 EA 2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.39 9.76	32.54
26 01 50 52-0292 32 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0293 EA 1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.54 7.81	26.04
26 01 50 52-0294 EA 2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.04 9.76	32.54
26 01 50 52-0295 40 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0296 EA 1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.99 7.81	26.04
26 01 50 52-0297 EA 1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.54 7.81	26.04
26 01 50 52-0298 EA 2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	246.17 9.76	32.54
26 01 50 52-0299 EA 2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.04 9.76	32.54
26 01 50 52-0300 EA 3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	290.89 11.72	39.05
26 01 50 52-0301 42 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0302 EA 1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.54 7.81	26.04
26 01 50 52-0303 EA 2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.04 9.76	32.54
26 01 50 52-0304 55 Watt, Compact Fluorescent Electronic Ballasts (26 01 50 52-0285)		
26 01 50 52-0305 EA 1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.54 7.81	26.04
26 01 50 52-0306 EA 2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.04 9.76	32.54
26 01 50 52-0307 Dimming, Compact Fluorescent Electronic Ballasts (26 01 50 52-0284)		
26 01 50 52-0308 Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0307) Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309 18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0310 EA 1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	250.02 7.81	26.04
26 01 50 52-0311 EA 2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	256.52 9.76	32.54
26 01 50 52-0312 26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0313 EA 1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	250.02 7.81	26.04
26 01 50 52-0314 EA 2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	256.52 9.76	32.54
26 01 50 52-0315 32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)		
26 01 50 52-0316 EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	250.02 7.81	26.04
26 01 50 52-0317 EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.55 9.76	32.54

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
26 01 50 52-0318	40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)			
26 01 50 52-0319	EA 2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	274.55 9.76		32.54
26 01 50 52-0320	42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)			
26 01 50 52-0321	EA 1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	250.02 7.81		26.04
26 01 50 52-0322	EA 2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	274.55 9.76		32.54
26 01 50 52-0323	55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts (26 01 50 52-0308)			
26 01 50 52-0324	EA 1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	401.08 7.81		26.04
26 01 50 52-0325	EA 2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	449.97 9.76		32.54
26 01 50 52-0326	High Intensity Discharge (HID) Ballasts (26 01 50 52-0001)			
26 01 50 52-0327	Magnetic High Intensity Discharge (HID) Ballasts (26 01 50 52-0326)			
26 01 50 52-0328	Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)			
26 01 50 52-0329	Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0328)			
26 01 50 52-0330	EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	180.72 13.67		32.54
26 01 50 52-0331	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	185.09 13.67		32.54
26 01 50 52-0332	EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	185.09 13.67		32.54
26 01 50 52-0333	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	172.65 13.67		32.54
26 01 50 52-0334	EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	172.65 13.67		32.54
26 01 50 52-0335	EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	256.04 13.67		32.54
26 01 50 52-0336	EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	256.04 13.67		32.54
26 01 50 52-0337	EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	329.49 13.67		32.54
26 01 50 52-0338	EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	366.96 13.67		32.54
26 01 50 52-0339	High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0328)			
26 01 50 52-0340	EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	163.45 13.67		32.54
26 01 50 52-0341	EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.22 13.67		32.54
26 01 50 52-0342	EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	169.00 13.67		32.54
26 01 50 52-0343	EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	198.38 13.67		32.54
26 01 50 52-0344	EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	194.18 13.67		32.54
26 01 50 52-0345	EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.44 13.67		32.54
26 01 50 52-0346	EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.44 13.67		32.54
26 01 50 52-0347	EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	266.77 13.67		32.54
26 01 50 52-0348	EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	266.77 13.67		32.54
26 01 50 52-0349	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	425.85 13.67		32.54
26 01 50 52-0350	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	425.85 13.67		32.54
26 01 50 52-0351	Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0328)			
26 01 50 52-0352	EA Single Mounting Bracket For Core And Coil Type For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.26 3.91		
26 01 50 52-0353	EA Double Mounting Bracket For Core And Coil Type For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.07 5.86		
26 01 50 52-0354	F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)			
26 01 50 52-0355	Metal Halide, F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0354)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0356	EA	1	Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i>	228.86 18.33	32.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.67	
26 01 50 52-0357	EA	1	Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i>	240.98 19.54	32.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.67	
26 01 50 52-0358	EA	1	Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i>	219.68 17.41	32.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.67	
26 01 50 52-0359	EA	1	Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i>	254.69 20.91	32.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.67	
26 01 50 52-0360	EA	1	Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i>	352.80 30.72	32.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.67	
26 01 50 52-0361			High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0354)		
26 01 50 52-0362	EA	1	Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.81 13.67	32.54
26 01 50 52-0363	EA	1	Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	293.70 13.67	32.54
26 01 50 52-0364			Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)		
26 01 50 52-0365			Metal Halide, Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0364)		
26 01 50 52-0366	EA	1	Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	455.99 13.67	32.54
26 01 50 52-0367			High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts (26 01 50 52-0364)		
26 01 50 52-0368	EA	1	Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	701.35 13.64	32.47
26 01 50 52-0369	EA	1	Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	781.92 13.64	32.47
26 01 50 52-0370	EA	1	Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	754.04 13.64	32.47
26 01 50 52-0371			Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)		
26 01 50 52-0372			Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0371)		
26 01 50 52-0373	EA	1	Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	560.93 13.67	32.54
26 01 50 52-0374	EA	1	Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	636.38 13.67	32.54
26 01 50 52-0375	EA	1	Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	839.84 13.67	32.54
26 01 50 52-0376	EA	1	Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	835.46 13.67	32.54
26 01 50 52-0377	EA	2	Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,169.80 14.45	35.14
26 01 50 52-0378	EA	2	Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,169.80 14.45	35.14
26 01 50 52-0379	EA	1	Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	805.52 13.67	32.54
26 01 50 52-0380	EA	1	Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	947.32 13.67	32.54
26 01 50 52-0381			High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts (26 01 50 52-0371)		
26 01 50 52-0382	EA	1	Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,044.83 13.67	32.54
26 01 50 52-0383	EA	1	Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	994.85 13.67	32.54
26 01 50 52-0384	EA	1	Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,278.19 13.67	32.54
26 01 50 52-0385	EA	1	Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,278.19 13.67	32.54
26 01 50 52-0386			Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0327)		
26 01 50 52-0387			Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0386)		
26 01 50 52-0388	EA	1	Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	630.07 13.67	32.54
26 01 50 52-0389	EA	1	Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	680.42 13.67	32.54
26 01 50 52-0390	EA	1	Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	675.46 13.67	32.54
26 01 50 52-0391	EA	1	Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	709.20 13.67	32.54

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 01 50 52-0392	EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,125.81 14.45		35.14
26 01 50 52-0393	EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,383.41 14.45		35.14
26 01 50 52-0394	EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,050.68 13.67		32.54
26 01 50 52-0395	EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	956.76 13.67		32.54
26 01 50 52-0396 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts (26 01 50 52-0386)				
26 01 50 52-0397	EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	812.78 13.67		32.54
26 01 50 52-0398	EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	876.29 13.67		32.54
26 01 50 52-0399	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,307.50 13.67		32.54
26 01 50 52-0400	EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,125.31 13.67		32.54
26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts (26 01 50 52-0326)				
26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts (26 01 50 52-0401)				
26 01 50 52-0403	EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.01 13.67		32.54
26 01 50 52-0404	EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	253.01 13.67		32.54
26 01 50 52-0405	EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.84 13.67		32.54
26 01 50 52-0406	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	730.91 13.67		32.54
26 01 50 52-0407	EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	730.91 13.67		32.54
26 01 50 52-0408	EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	730.91 13.67		32.54
26 01 50 52-0409	EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	730.91 13.67		32.54
26 01 50 52-0410	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	730.91 13.67		32.54
26 01 50 52-0411 Owner Supplied Ballasts (26 01 50 52-0001)				
26 01 50 52-0412	EA Install Owner Supplied, 1 Lamp Fluorescent Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.04 7.81		
26 01 50 52-0413	EA Install Owner Supplied, 2 Lamp Fluorescent Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.54 9.76		
26 01 50 52-0414	EA Install Owner Supplied, 3 Lamp Fluorescent Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.75 11.33		
26 01 50 52-0415	EA Install Owner Supplied, 4 Lamp Fluorescent Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.35 12.11		
26 01 50 52-0416	EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.56 13.67		
26 01 50 52-0417	EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.16 14.45		
26 01 50 53 Lens and Accessory Replacement (26 01 50)				
26 01 50 53-0001 Lens and Accessory Replacement (26 01 50 53)				
26 01 50 53-0002	EA Removal And Replacement Of Parabolic Aluminum Louver <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.98 3.90		
26 01 50 53-0003	EA Removal And Replacement Of Visor For Fixtures <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.83 3.90		
26 01 50 53-0004	EA Removal And Replacement Of Globe On Pole <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	220.50 3.90		
26 01 50 53-0005	EA Removal And Replacement Of Lenses For Flat Top Pole Fixtures <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.33 3.90		
26 01 50 53-0006	EA Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.62 3.90		
26 01 50 53-0007	EA Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.69 3.90		
26 01 50 53-0008	EA Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.33 3.90		
26 01 50 53-0009	EA Removal And Replacement Of Slide-On Lampholder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.67 3.90		
26 01 50 53-0010	EA Removal And Replacement Of Screw Mount Lampholder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.83 3.90		
26 01 50 53-0011	EA Removal And Replacement Of Medium Bi-Pin Lampholder <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.25 3.90		
26 01 50 53-0012	EA Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.42 3.90		
26 01 50 53-0013	EA Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.83 3.90		
26 01 50 53-0014	EA Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.03 3.90		
26 01 50 53-0015	EA Removal And Replacement Of Exterior Light Globes <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.27 3.90		

26 01 50 81 Luminaire Replacement (26 01 50)

26 01 50 81-0001	Retrofit Lighting Fixtures (26 01 50 81)	
26 01 50 81-0002	LED Lighting Retrofits For Existing Fixtures (26 01 50 81-0001)	
26 01 50 81-0003	LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) (26 01 50 81-0002)	
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0004	EA 7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927)	111.00
26 01 50 81-0005	EA 7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930)	111.00
26 01 50 81-0006	EA 7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940)	111.00
26 01 50 81-0007	EA 4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	92.49
26 01 50 81-0008	EA 4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	92.49
26 01 50 81-0009	EA 4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	92.49
26 01 50 81-0010	EA 6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	100.28
26 01 50 81-0011	EA 6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	100.28
26 01 50 81-0012	EA 6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	100.28

26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0014	EA 2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	316.31
26 01 50 81-0015	EA 3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	328.00
26 01 50 81-0016	EA 4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	339.69
26 01 50 81-0017	EA 5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	353.99
26 01 50 81-0018	EA 6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	388.09
26 01 50 81-0019	EA 7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	402.37
26 01 50 81-0020	EA 8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	434.53
26 01 50 81-0021	EA 9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	446.22
26 01 50 81-0022	EA 10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	460.51
26 01 50 81-0023	EA 11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	481.95
26 01 50 81-0024	EA 12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	505.01
26 01 50 81-0025	EA 13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	527.42
26 01 50 81-0026	EA 14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	539.12
26 01 50 81-0027	EA 16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	558.60
26 01 50 81-0028	EA 17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	581.98
26 01 50 81-0029	EA 18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	606.34
26 01 50 81-0030	EA 19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	643.37
26 01 50 81-0031	EA 20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	659.93
26 01 50 81-0032	EA 21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	688.84
26 01 50 81-0033	EA 22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	726.84
26 01 50 81-0034	EA 23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	746.33
26 01 50 81-0035	EA 24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	793.10
26 01 50 81-0036	EA 25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	835.97
26 01 50 81-0037	EA 26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	865.85
26 01 50 81-0038	EA 27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	907.75
26 01 50 81-0039	EA 28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	989.28
26 01 50 81-0040	EA 29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	999.02
26 01 50 81-0041	EA 31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	1,024.36

26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0043	EA 20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35)	137.03
Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0044	EA 20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40)	137.03
Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0045	EA 20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50)	137.03
Note: Fits 1' x 4' Troffer/Strip		
26 01 50 81-0046	EA 30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35)	141.90
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0047	EA 2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40)	141.90
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0048	EA 2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50)	141.90
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0049	EA 2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35)	151.64
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0050	EA 2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40)	151.64
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0051	EA 2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50)	151.64
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0052	EA 3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35)	141.90
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0053	EA 3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40)	141.90
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0054	EA 3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50)	141.90
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 81-0055	EA 3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35)	151.64
Note: Fits 2' x 4' Troffer/Strip		

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26 01 50 81-0056	EA	3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40) Note: Fits 2' x 4' Troffer/Strip	151.64
26 01 50 81-0057	EA	3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50) Note: Fits 2' x 4' Troffer/Strip	151.64
26 01 50 81-0058	EA	3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35) Note: Fits 2' x 4' Troffer/Strip	171.13
26 01 50 81-0059	EA	3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40) Note: Fits 2' x 4' Troffer/Strip	171.13
26 01 50 81-0060	EA	3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) Note: Fits 2' x 4' Troffer/Strip	171.13
26 01 50 81-0061	EA	1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) Note: Fits 1' x 2' Troffer/Strip	137.03
26 01 50 81-0062	EA	1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	137.03
26 01 50 81-0063	EA	1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	137.03
26 01 50 81-0064	EA	2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	137.03
26 01 50 81-0065	EA	2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	137.03
26 01 50 81-0066	EA	2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	137.03
26 01 50 81-0067	EA	3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	141.90
26 01 50 81-0068	EA	3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	141.90
26 01 50 81-0069	EA	3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	141.90
26 01 50 81-0070	EA	3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	147.74
26 01 50 81-0071	EA	3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	147.74
26 01 50 81-0072	EA	3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	147.74

26 01 50 81-0073**LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG)** (26 01 50 81-0002)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0074	EA	34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN).....	297.95
26 01 50 81-0075	EA	34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN).....	297.95
26 01 50 81-0076	EA	26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN).....	269.69
26 01 50 81-0077	EA	26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN).....	269.69
26 01 50 81-0078	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	138.33
26 01 50 81-0079	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	138.33
26 01 50 81-0080	EA	31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	156.84
26 01 50 81-0081	EA	31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	156.84
26 01 50 81-0082	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV)..... Note: Factory installed sensor and ZigBee dongle	170.49
26 01 50 81-0083	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV)..... Note: Factory installed sensor and ZigBee dongle	170.49
26 01 50 81-0084	EA	31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV)..... Note: Factory installed sensor and ZigBee dongle	175.36
26 01 50 81-0085	EA	31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV)..... Note: Factory installed sensor and ZigBee dongle	175.36
26 01 50 81-0086	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120)..... Note: No sensor, ZigBee ready driver	110.07
26 01 50 81-0087	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120)..... Note: No sensor, ZigBee ready driver	110.07
26 01 50 81-0088	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880)..... Note: No sensor, ZigBee ready driver	121.77
26 01 50 81-0089	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880)..... Note: No sensor, ZigBee ready driver	121.77
26 01 50 81-0090	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L)..... Note: No sensor, ZigBee ready driver	113.00
26 01 50 81-0091	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L)..... Note: No sensor, ZigBee ready driver	113.00
26 01 50 81-0092	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L)..... Note: No sensor, ZigBee ready driver	124.69
26 01 50 81-0093	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L)..... Note: No sensor, ZigBee ready driver	124.69
26 01 50 81-0094	EA	6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450)..... Note: No sensor, ZigBee ready driver	112.02
26 01 50 81-0095	EA	6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450)..... Note: No sensor, ZigBee ready driver	112.02
26 01 50 81-0096	EA	8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000)..... Note: No sensor, ZigBee ready driver	120.79
26 01 50 81-0097	EA	8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000)..... Note: No sensor, ZigBee ready driver	120.79

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26 01 50 81-0098		LED Lighting Retrofit Accessories (LG) (26 01 50 81-0002) See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0099	EA	Dongle (LG LGE-DONGLE).....	26.01	
26 01 50 81-0100	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B)	142.11	14.81
26 01 50 81-0101	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B)	148.03	17.77
26 01 50 81-0102	EA	1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B)	182.29	14.81
26 01 50 81-0103	EA	2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B)	188.21	17.77
26 01 50 81-0104	EA	Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR)	94.01	11.85
26 01 50 81-0105	EA	Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP)	31.98	11.85
26 01 50 81-0106	EA	Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE)	34.33	11.85
26 01 50 81-0107	EA	Wireless Interface Module (LG PIHN-W005A)..... Note: includes dongle	88.77	17.77
26 01 50 81-0108		Retrofit Existing (T12) Fluorescent Fixtures (26 01 50 81-0001) Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.		
26 01 50 81-0109		Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector (26 01 50 81-0108) Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0110	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp..... <i>For Specular Ballast Cover, Add</i>	115.67 14.04	
26 01 50 81-0111	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps..... <i>For Specular Ballast Cover, Add</i>	122.95 15.50	
26 01 50 81-0112	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps..... <i>For Specular Ballast Cover, Add</i>	165.64 24.04	
26 01 50 81-0113	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	191.46	
		<i>For Specular Ballast Cover, Add</i>	29.20	
26 01 50 81-0114		Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector (26 01 50 81-0108) Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0115	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	121.94	
		<i>For Specular Reflector, Add</i>	15.30	
26 01 50 81-0116	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	129.98 16.91	
26 01 50 81-0117	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps..... <i>For Specular Reflector, Add</i>	174.43 25.80	
26 01 50 81-0118	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	225.19	
		<i>For Specular Reflector, Add</i>	35.95	
26 01 50 81-0119		Retrofit Existing (T12) Troffer Style Fluorescent Fixtures (26 01 50 81-0108) Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0120	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	151.25	
		<i>For Specular Reflector, Add</i>	18.56	
26 01 50 81-0121	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	158.53	
		<i>For Specular Reflector, Add</i>	20.02	
26 01 50 81-0122	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	160.78	
		<i>For Specular Reflector, Add</i>	20.47	
26 01 50 81-0123	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	180.04	
		<i>For Specular Reflector, Add</i>	24.32	
26 01 50 81-0124	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	220.06	
		<i>For Specular Reflector, Add</i>	32.33	
26 01 50 81-0125	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	166.06	
		<i>For Specular Reflector, Add</i>	21.53	
26 01 50 81-0126	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	182.95	
		<i>For Specular Reflector, Add</i>	24.90	
26 01 50 81-0127	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	196.91	
		<i>For Specular Reflector, Add</i>	27.70	
26 01 50 81-0128		Retrofit Existing Recessed Lay-In/Troffer Fixtures (26 01 50 81-0001)		
26 01 50 81-0129		Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) (26 01 50 81-0128) Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0130	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	172.04	
26 01 50 81-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	172.04	
26 01 50 81-0132	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	172.04	
26 01 50 81-0133	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	186.45	
26 01 50 81-0134	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	172.04	
26 01 50 81-0135	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	172.04	

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26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	172.04
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	186.45
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	173.09
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	173.09
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	173.09
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	187.49
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	173.09
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	173.09
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	173.09
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	187.49

26 01 50 81-0146 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) (26 01 50 81-0128)

Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	234.78
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	244.57

26 01 50 81-0149 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) (26 01 50 81-0128)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	364.60
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	373.35
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	364.60
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	373.35
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	417.09
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	430.21
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	460.83

26 01 50 81-0157 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) (26 01 50 81-0128)

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	337.83
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	350.04
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	353.69
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	365.89
26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	255.47
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	261.27
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	270.54
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	276.34
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	341.25
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1G1UNVFDSX84024MST)	406.15

26 01 50 81-0168 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) (26 01 50 81-0128)

Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	317.22
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0170	EA		1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	229.83	
26 01 50 81-0171	EA		2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	325.41	
26 01 50 81-0172	EA		2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	237.95	
26 01 50 81-0173	EA		3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	340.17	
26 01 50 81-0174	EA		3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	259.90	
26 01 50 81-0175	EA		1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	371.87	
26 01 50 81-0176	EA		1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	284.29	
26 01 50 81-0177	EA		2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	379.53	
26 01 50 81-0178	EA		2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	292.02	
26 01 50 81-0179	EA		3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	394.11	
26 01 50 81-0180	EA		3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	313.86	
26 01 50 81-0181			LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) (26 01 50 81-0128) Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0182	EA		3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	672.24	
26 01 50 81-0183	EA		4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	746.84	
26 01 50 81-0184			Retrofit Existing HID Fixtures (26 01 50 81-0001)		
26 01 50 81-0185	EA		Tear Drop LED Retrofit Kit (Holophane LTDR2 P35S 40K AS BK TDRD 3 P).....	1,522.29	
26 01 50 81-0186			LED Lighting Retrofits For Existing Fluorescent Fixtures (26 01 50 81-0001) Note: Excludes recycling or disposal of lamps and ballasts.		
26 01 50 81-0187			LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) (26 01 50 81-0186)		
26 01 50 81-0188	EA		2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT).....	119.15	
			For >25 To 50, Deduct	-5.96	
			For >50 To 100, Deduct	-10.40	
			For >100, Deduct	-17.76	
26 01 50 81-0189	EA		2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT).....	171.20	
			For >25 To 50, Deduct	-8.56	
			For >50 To 100, Deduct	-14.30	
			For >100, Deduct	-22.96	
26 01 50 81-0190	EA		3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	129.47	
			For >25 To 50, Deduct	-6.47	
			For >50 To 100, Deduct	-11.25	
			For >100, Deduct	-19.12	
26 01 50 81-0191	EA		3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT).....	119.31	
			For >25 To 50, Deduct	-5.97	
			For >50 To 100, Deduct	-10.49	
			For >100, Deduct	-18.10	
26 01 50 81-0192	EA		4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	155.14	
			For >25 To 50, Deduct	-7.76	
			For >50 To 100, Deduct	-13.26	
			For >100, Deduct	-22.01	
26 01 50 81-0193	EA		4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	200.25	
			For >25 To 50, Deduct	-10.01	
			For >50 To 100, Deduct	-16.64	
			For >100, Deduct	-26.52	
26 01 50 81-0194	EA		4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	128.82	
			For >25 To 50, Deduct	-6.44	
			For >50 To 100, Deduct	-11.28	
			For >100, Deduct	-19.37	
26 01 50 81-0195	EA		4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	128.82	
			For >25 To 50, Deduct	-6.44	
			For >50 To 100, Deduct	-11.28	
			For >100, Deduct	-19.37	
26 01 50 81-0196	EA		4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT).....	164.16	
			For >25 To 50, Deduct	-8.21	
			For >50 To 100, Deduct	-13.94	
			For >100, Deduct	-22.91	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 50 81-0197	EA	4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	140.10
		For >25 To 50, Deduct	-7.01
		For >50 To 100, Deduct	-12.13
		For >100, Deduct	-20.50
26 01 50 81-0198	EA	4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	140.10
		For >25 To 50, Deduct	-7.01
		For >50 To 100, Deduct	-12.13
		For >100, Deduct	-20.50

26 01 50 81-0199 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) (26 01 50 81-0186)

26 01 50 81-0200	EA	1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	278.10
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91
		For nLight AIR radio module without sensor (nLight RIO), Add	116.95
		For >25 To 50, Deduct	-13.91
		For >50 To 100, Deduct	-22.48
		For >100, Deduct	-34.30
26 01 50 81-0201	EA	1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2).....	299.44
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91
		For nLight AIR radio module without sensor (nLight RIO), Add	116.95
		For >25 To 50, Deduct	-14.97
		For >50 To 100, Deduct	-24.08
		For >100, Deduct	-36.44
26 01 50 81-0202	EA	2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	315.39
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91
		For nLight AIR radio module without sensor (nLight RIO), Add	116.95
		For >25 To 50, Deduct	-15.77
		For >50 To 100, Deduct	-25.28
		For >100, Deduct	-38.03
26 01 50 81-0203	EA	2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	340.31
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91
		For nLight AIR radio module without sensor (nLight RIO), Add	116.95
		For >25 To 50, Deduct	-17.02
		For >50 To 100, Deduct	-27.15
		For >100, Deduct	-40.52
26 01 50 81-0204	EA	2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	365.57
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91
		For nLight AIR radio module without sensor (nLight RIO), Add	116.95
		For >25 To 50, Deduct	-18.28
		For >50 To 100, Deduct	-29.37
		For >100, Deduct	-44.35
26 01 50 81-0205	EA	2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	394.51
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91
		For nLight AIR radio module without sensor (nLight RIO), Add	116.95
		For >25 To 50, Deduct	-19.73
		For >50 To 100, Deduct	-31.54
		For >100, Deduct	-47.24

26 01 50 81-0206 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) (26 01 50 81-0186)

Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0207	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40).....	111.38
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-5.57
		For >50 To 100, Deduct	-9.81
		For >100, Deduct	-16.98
26 01 50 81-0208	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50).....	111.38
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-5.57
		For >50 To 100, Deduct	-9.81
		For >100, Deduct	-16.98
26 01 50 81-0209	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40).....	146.23
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-7.31
		For >50 To 100, Deduct	-12.59
		For >100, Deduct	-21.12
26 01 50 81-0210	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50).....	146.23
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-7.31
		For >50 To 100, Deduct	-12.59
		For >100, Deduct	-21.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0211	EA		4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30).....	146.35	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.32	
			For >50 To 100, Deduct	-12.60	
			For >100, Deduct	-21.13	
26 01 50 81-0212	EA		4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F).....	159.39	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.97	
			For >50 To 100, Deduct	-13.58	
			For >100, Deduct	-22.43	
26 01 50 81-0213	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35).....	146.35	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.32	
			For >50 To 100, Deduct	-12.60	
			For >100, Deduct	-21.13	
26 01 50 81-0214	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F).....	159.39	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.97	
			For >50 To 100, Deduct	-13.58	
			For >100, Deduct	-22.43	
26 01 50 81-0215	EA		4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40).....	146.35	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.32	
			For >50 To 100, Deduct	-12.60	
			For >100, Deduct	-21.13	
26 01 50 81-0216	EA		4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F).....	159.39	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.97	
			For >50 To 100, Deduct	-13.58	
			For >100, Deduct	-22.43	
26 01 50 81-0217	EA		4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50).....	146.35	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.32	
			For >50 To 100, Deduct	-12.60	
			For >100, Deduct	-21.13	
26 01 50 81-0218	EA		4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F).....	159.39	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.97	
			For >50 To 100, Deduct	-13.58	
			For >100, Deduct	-22.43	
26 01 50 81-0219	EA		4' Dimmable, 46 Watts, 6,800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50).....	159.28	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-7.96	
			For >50 To 100, Deduct	-13.57	
			For >100, Deduct	-22.42	
26 01 50 81-0220	EA		4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40).....	187.18	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-9.36	
			For >50 To 100, Deduct	-15.66	
			For >100, Deduct	-25.21	
26 01 50 81-0221	EA		4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F).....	203.49	
			Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-10.17	
			For >50 To 100, Deduct	-16.88	
			For >100, Deduct	-26.84	
26 01 50 81-0222	EA		4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50).....	187.18	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-9.36	
			For >50 To 100, Deduct	-15.66	
			For >100, Deduct	-25.21	
26 01 50 81-0223	EA		4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F).....	203.49	
			Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			For >25 To 50, Deduct	-10.17	
			For >50 To 100, Deduct	-16.88	
			For >100, Deduct	-26.84	
26 01 50 81-0224	EA		20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD- AM20D-480800).....	200.46	
			Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
			For >25 To 50, Deduct	-10.02	
			For >50 To 100, Deduct	-15.36	
			For >100, Deduct	-21.35	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 50 81-0225	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W).....	183.97	
		Note: 90-minute emergency battery with power output of 20 Watts		
		For >25 To 50, Deduct	-9.20	
		For >50 To 100, Deduct	-14.12	
		For >100, Deduct	-19.70	
26 01 50 81-0226	EA	8' Dimmable, 46 Watts, 7,400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50).....	190.17	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-9.51	
		For >50 To 100, Deduct	-16.37	
		For >100, Deduct	-27.46	
26 01 50 81-0227	EA	8' Dimmable, 49 Watts, 6,680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F).....	198.32	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-9.92	
		For >50 To 100, Deduct	-16.98	
		For >100, Deduct	-28.27	
26 01 50 81-0228	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40).....	278.39	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-13.92	
		For >50 To 100, Deduct	-22.99	
		For >100, Deduct	-36.28	
26 01 50 81-0229	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F).....	311.00	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-15.55	
		For >50 To 100, Deduct	-25.44	
		For >100, Deduct	-39.54	
26 01 50 81-0230	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50).....	278.39	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-13.92	
		For >50 To 100, Deduct	-22.99	
		For >100, Deduct	-36.28	
26 01 50 81-0231	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F).....	311.00	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-15.55	
		For >50 To 100, Deduct	-25.44	
		For >100, Deduct	-39.54	

26 05 Common Work Results for Electrical ⁽²⁶⁾**26 05 13 Medium-Voltage Cables** ^(26 05)**26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables** ^(26 05 13)

26 05 13 16-0001		Wire And Cable ^(26 05 13 16)		
		Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 13 16-0002		Wire Connections ^(26 05 13 16-0001)		
26 05 13 16-0003		Medium Voltage Up To 5 KV ^(26 05 13 16-0002)		
26 05 13 16-0004		Shielded One Conductor Cable Splice ^(26 05 13 16-0003)		
26 05 13 16-0005	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	495.40	129.66
26 05 13 16-0006	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	732.68	129.66
26 05 13 16-0007	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	732.68	129.66
26 05 13 16-0008	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	771.27	155.59
26 05 13 16-0009	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	771.27	155.59
26 05 13 16-0010	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	771.27	155.59
26 05 13 16-0011	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	822.71	181.52
26 05 13 16-0012	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	822.71	181.52
26 05 13 16-0013	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	822.71	181.52
26 05 13 16-0014		Cable Termination Without Stress Cone ^(26 05 13 16-0003)		
26 05 13 16-0015	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	812.35	155.59
26 05 13 16-0016	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	934.53	181.52
26 05 13 16-0017		Cable Termination With Stress Cone ^(26 05 13 16-0003)		
26 05 13 16-0018	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	2,656.58	311.17
26 05 13 16-0019	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	3,639.72	427.86
26 05 13 16-0020		Connect To Pothead, Pothead Included ^(26 05 13 16-0003)		
26 05 13 16-0021	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	2,799.90	311.17
26 05 13 16-0022	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	3,639.02	356.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0023			Two Conductor Pothead (26 05 13 16-0003) Note: Includes 5 KV pothead.		
26 05 13 16-0024	EA		#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,727.71	427.86
26 05 13 16-0025	EA		250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,375.47	544.56
26 05 13 16-0026	EA		400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	3,950.68	617.43
26 05 13 16-0027	EA		750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	6,872.35	720.37
26 05 13 16-0028	EA		1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	13,024.39	1,080.43
26 05 13 16-0029			Three Conductor Pothead (26 05 13 16-0003) Note: Includes 5 KV pothead.		
26 05 13 16-0030	EA		#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	8,798.65	622.36
26 05 13 16-0031	EA		250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	9,564.71	726.08
26 05 13 16-0032			Copper Cable Splice, Crimp Compression Connection (26 05 13 16-0003) Note: For bare wire.		
26 05 13 16-0033	EA		#6 AWG Crimp Compression Connection For Bare Copper Wire	88.91	
26 05 13 16-0034	EA		#4 AWG Crimp Compression Connection For Bare Copper Wire	99.22	
26 05 13 16-0035	EA		#3 AWG Crimp Compression Connection For Bare Copper Wire	115.61	
26 05 13 16-0036	EA		#2 AWG Crimp Compression Connection For Bare Copper Wire	130.01	
26 05 13 16-0037	EA		#1 AWG Crimp Compression Connection For Bare Copper Wire	147.22	
26 05 13 16-0038	EA		1/0 AWG Crimp Compression Connection For Bare Copper Wire	163.33	
26 05 13 16-0039	EA		2/0 AWG Crimp Compression Connection For Bare Copper Wire	178.98	
26 05 13 16-0040	EA		3/0 AWG Crimp Compression Connection For Bare Copper Wire	196.52	
26 05 13 16-0041	EA		4/0 AWG Crimp Compression Connection For Bare Copper Wire	212.92	
26 05 13 16-0042	EA		250 MCM Crimp Compression Connection For Bare Copper Wire	230.18	
26 05 13 16-0043	EA		300 MCM Crimp Compression Connection For Bare Copper Wire	248.55	
26 05 13 16-0044	EA		350 MCM Crimp Compression Connection For Bare Copper Wire	264.27	
26 05 13 16-0045	EA		400 MCM Crimp Compression Connection For Bare Copper Wire	300.33	
26 05 13 16-0046	EA		500 MCM Crimp Compression Connection For Bare Copper Wire	339.02	
26 05 13 16-0047			Aluminum Cable Splice, Crimp Compression Connection (26 05 13 16-0003) Note: For bare wire.		
26 05 13 16-0048	EA		#6 AWG Crimp Compression Connection For Bare Aluminum Wire	94.02	
26 05 13 16-0049	EA		#4 AWG Crimp Compression Connection For Bare Aluminum Wire	102.05	
26 05 13 16-0050	EA		#2 AWG Crimp Compression Connection For Bare Aluminum Wire	139.34	
26 05 13 16-0051	EA		#1 AWG Crimp Compression Connection For Bare Aluminum Wire	170.94	
26 05 13 16-0052	EA		1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	185.72	
26 05 13 16-0053	EA		2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	200.35	
26 05 13 16-0054	EA		3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	221.34	
26 05 13 16-0055	EA		4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	239.17	
26 05 13 16-0056	EA		250 MCM Crimp Compression Connection For Bare Aluminum Wire	255.81	
26 05 13 16-0057	EA		300 MCM Crimp Compression Connection For Bare Aluminum Wire	273.61	
26 05 13 16-0058	EA		350 MCM Crimp Compression Connection For Bare Aluminum Wire	290.57	
26 05 13 16-0059	EA		400 MCM Crimp Compression Connection For Bare Aluminum Wire	338.01	
26 05 13 16-0060	EA		500 MCM Crimp Compression Connection For Bare Aluminum Wire	386.02	
26 05 13 16-0061			15 KV (26 05 13 16-0002)		
26 05 13 16-0062			Single Conductor Pothead On Racks (26 05 13 16-0061) Note: Includes pothead.		
26 05 13 16-0063	EA		#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	2,076.07	544.56
26 05 13 16-0064	EA		250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,670.26	674.21
26 05 13 16-0065			Two Conductor Pothead On Rack (26 05 13 16-0061) Note: Includes pothead.		
26 05 13 16-0066	EA		#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	3,005.03	829.80
26 05 13 16-0067	EA		250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	3,639.98	985.39
26 05 13 16-0068			Three Conductor Pothead On Rack (26 05 13 16-0061) Note: Includes pothead.		
26 05 13 16-0069	EA		#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	3,807.42	1,076.15
26 05 13 16-0070	EA		250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	4,736.18	1,348.43
26 05 13 16-0071			Stress Relief Cone On Rack (26 05 13 16-0061)		
26 05 13 16-0072	EA		#2 To 4/0 AWG Stress Relief Cone, On Rack	1,902.92	544.56
26 05 13 16-0073	EA		250 To 500 MCM Stress Relief Cone, On Rack	2,475.59	674.21
26 05 13 16-0074			Grounded, Shielded Cable Splice (26 05 13 16-0061)		
26 05 13 16-0075	EA		#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	1,266.43	401.93
26 05 13 16-0076	EA		250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,617.06	518.62
26 05 13 16-0077	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	9,394.33	1,426.22
26 05 13 16-0078	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	12,482.18	1,555.88
26 05 13 16-0079			Cable Termination (26 05 13 16-0061)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 13 16-0080	EA #2 To 3/0 AWG Cable Termination 15 KV <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	900.72 136.14		226.90
26 05 13 16-0081	EA 4/0 To 250 MCM Cable Termination 15 KV <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,130.27 175.04		291.72
26 05 13 16-0082	EA 350 To 500 MCM Cable Termination 15 KV <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,409.03 213.93		356.56
26 05 13 16-0083	EA #2 To 3/0 AWG Cable Elbow Termination 15 KV <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	596.45 77.80		129.66
26 05 13 16-0084	Stress Cones, 5-15 KV, 4 Skirted (26 05 13 16-0061)			
26 05 13 16-0085	EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	1,334.06		168.56
26 05 13 16-0086	EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	1,528.66		186.29
26 05 13 16-0087	EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	1,841.92		203.87
26 05 13 16-0088	EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	2,410.66		234.89
26 05 13 16-0089	Stress Cones, 5-15 KV, 6 Skirted (26 05 13 16-0061)			
26 05 13 16-0090	EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	2,668.17		337.68
26 05 13 16-0091	EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	3,057.74		372.58
26 05 13 16-0092	EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	3,668.70		400.17
26 05 13 16-0093	EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	4,821.32		469.77
26 05 13 16-0094	35 KV (26 05 13 16-0002)			
26 05 13 16-0095	35 KV One Conductor Splice (26 05 13 16-0094)			
26 05 13 16-0096	EA #1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	3,179.70		
26 05 13 16-0097	Cable Termination (26 05 13 16-0094)			
26 05 13 16-0098	EA #2 To 3/0 AWG Cable Termination, 35 KV	850.72		155.72
26 05 13 16-0099	EA 3/0 AWG To 250 MCM, 35 KV, Cable Termination.....	1,129.67		234.94
26 05 13 16-0100	EA 350 To 500 MCM Cable Termination 35 KV	1,342.39		251.28
26 05 13 16-0101	EA #2 To 3/0 AWG Cable Elbow Termination 35 KV	666.16		129.66
26 05 13 16-0102	70 KV (26 05 13 16-0002)			
26 05 13 16-0103	Cable Splice (26 05 13 16-0102)			
26 05 13 16-0104	EA 350 MCM, 70 KV, Cable Splicing.....	22,711.74		
26 05 13 16-0105	EA #2 To 4/0, 70 KV, Cable Splicing	3,354.87		
26 05 13 16-0106	5 KV Cable (26 05 13 16-0001)			
26 05 13 16-0107	Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct (26 05 13 16-0106)			
26 05 13 16-0108	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,772.04		1,010.05
26 05 13 16-0109	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,443.01		1,102.87
26 05 13 16-0110	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,286.06		1,246.07
26 05 13 16-0111	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,840.17		1,535.22
26 05 13 16-0112	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,786.12		1,728.79
26 05 13 16-0113	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,508.63		1,918.91
26 05 13 16-0114	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,702.01		2,156.10
26 05 13 16-0115	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,666.37		2,398.74
26 05 13 16-0116	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	14,781.39		2,864.05
26 05 13 16-0117	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	18,577.96		3,366.62
26 05 13 16-0118	MLF 750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	27,433.48		3,967.93
26 05 13 16-0119	MLF 1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	36,295.35		4,568.94
26 05 13 16-0120	Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0106) Note: Excludes excavation.			
26 05 13 16-0121	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,645.79		
26 05 13 16-0122	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,084.58		
26 05 13 16-0123	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,569.57		
26 05 13 16-0124	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,638.19		
26 05 13 16-0125	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,100.08		
26 05 13 16-0126	MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,583.93		
26 05 13 16-0127	MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,184.38		
26 05 13 16-0128	MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,784.83		
26 05 13 16-0129	MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,862.59		
26 05 13 16-0130	MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,516.29		
26 05 13 16-0131	Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0106)			
26 05 13 16-0132	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	2,916.91		634.82
26 05 13 16-0133	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,476.58		680.66
26 05 13 16-0134	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,435.02		860.76
26 05 13 16-0135	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,750.92		1,044.93
26 05 13 16-0136	MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,690.85		1,226.66

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0137	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,401.45	1,402.81
26 05 13 16-0138	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,593.27	1,627.66
26 05 13 16-0139	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,056.15	2,047.70
26 05 13 16-0140	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,436.70	2,590.97
26 05 13 16-0141	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,724.66	3,255.31
26 05 13 16-0142 5 KV Non-Shielded Single Copper Conductor (26 05 13 16-0106)				
26 05 13 16-0143	MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,149.15	2,012.89
26 05 13 16-0144	MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,312.47	2,041.82
26 05 13 16-0145	MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,475.80	2,070.75
26 05 13 16-0146	MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,901.69	2,116.51
26 05 13 16-0147	MLF	350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,951.87	2,197.26
26 05 13 16-0148	MLF	500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	18,224.53	2,302.75
26 05 13 16-0149	MLF	750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	27,975.52	2,878.44
26 05 13 16-0150	MLF	1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	32,452.16	3,837.97
26 05 13 16-0151 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct (26 05 13 16-0106)				
26 05 13 16-0152	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,996.52	1,010.05
26 05 13 16-0153	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,746.47	1,102.87
26 05 13 16-0154	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,676.81	1,246.07
26 05 13 16-0155	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,528.51	1,390.58
26 05 13 16-0156	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,380.58	1,535.22
26 05 13 16-0157	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,409.66	1,728.79
26 05 13 16-0158	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,356.65	1,918.91
26 05 13 16-0159	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,658.11	2,156.10
26 05 13 16-0160	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,866.90	2,398.74
26 05 13 16-0161	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	16,153.19	2,864.05
26 05 13 16-0162	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	20,407.02	3,366.62
26 05 13 16-0163	MLF	750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	30,586.59	3,967.93
26 05 13 16-0164	MLF	1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	40,772.48	4,568.94
26 05 13 16-0165 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0106)				
Note: Excludes excavation.				
26 05 13 16-0166	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,870.26	
26 05 13 16-0167	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,388.04	
26 05 13 16-0168	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,960.32	
26 05 13 16-0169	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,570.01	
26 05 13 16-0170	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,178.60	
26 05 13 16-0171	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,723.63	
26 05 13 16-0172	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,431.95	
26 05 13 16-0173	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,140.48	
26 05 13 16-0174	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,985.36	
26 05 13 16-0175	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,234.39	
26 05 13 16-0176	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	15,345.36	
26 05 13 16-0177 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0106)				
26 05 13 16-0178	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,141.39	634.82
26 05 13 16-0179	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,780.04	680.66
26 05 13 16-0180	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,825.77	860.76
26 05 13 16-0181	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,556.87	952.17
26 05 13 16-0182	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,291.33	1,044.93
26 05 13 16-0183	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,314.39	1,226.66
26 05 13 16-0184	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,249.47	1,402.81
26 05 13 16-0185	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,549.37	1,627.66
26 05 13 16-0186	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,256.68	2,047.70
26 05 13 16-0187	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	15,808.50	2,590.97
26 05 13 16-0188	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	20,553.72	3,255.31
26 05 13 16-0189 15 KV Cable (26 05 13 16-0001)				
26 05 13 16-0190 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0189)				
26 05 13 16-0191 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 16-0190)				
26 05 13 16-0192	MLF	#4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,195.38	2,012.89
26 05 13 16-0193	MLF	#2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,838.86	2,012.89
26 05 13 16-0194	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,084.30	2,012.89
26 05 13 16-0195	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,883.88	2,012.89
26 05 13 16-0196	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,642.79	2,012.89
26 05 13 16-0197	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,137.06	2,101.11
26 05 13 16-0198	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,435.21	2,101.11
26 05 13 16-0199	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	14,302.04	2,197.26
26 05 13 16-0200	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	16,179.01	2,248.79
26 05 13 16-0201	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	19,911.73	2,533.02

26 Electrical**26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 13 16-0202	Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0190)	
	Note: Excludes excavation.	
26 05 13 16-0203	MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,919.04
26 05 13 16-0204	MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,718.60
26 05 13 16-0205	MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,477.52
26 05 13 16-0206	MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,999.64
26 05 13 16-0207	MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,297.78
26 05 13 16-0208	MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	12,283.79
26 05 13 16-0209	MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	14,164.11
26 05 13 16-0210	MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	17,608.99
26 05 13 16-0211	Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0190)	
26 05 13 16-0212	MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,437.53 906.87
26 05 13 16-0213	MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,600.30 1,044.93
26 05 13 16-0214	MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,837.26 1,226.66
26 05 13 16-0215	MLF 3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,574.66 1,402.81
26 05 13 16-0216	MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,464.17 1,627.66
26 05 13 16-0217	MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,793.38 1,894.80
26 05 13 16-0218	MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	16,365.12 2,207.93
26 05 13 16-0219	MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	20,325.93 2,564.72
26 05 13 16-0220	Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0189)	
26 05 13 16-0221	Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 16-0220)	
26 05 13 16-0222	MLF #4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,764.75 2,012.89
26 05 13 16-0223	MLF #2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,524.05 2,012.89
26 05 13 16-0224	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,813.67 2,012.89
26 05 13 16-0225	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,757.17 2,012.89
26 05 13 16-0226	MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,652.69 2,012.89
26 05 13 16-0227	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,376.26 2,101.11
26 05 13 16-0228	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,728.07 2,101.11
26 05 13 16-0229	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	15,887.63 2,197.26
26 05 13 16-0230	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	18,079.28 2,248.79
26 05 13 16-0231	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	22,355.98 2,533.02
26 05 13 16-0232	Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0220)	
	Note: Excludes excavation.	
26 05 13 16-0233	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,648.41
26 05 13 16-0234	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,591.90
26 05 13 16-0235	MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,487.42
26 05 13 16-0236	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,238.84
26 05 13 16-0237	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,590.64
26 05 13 16-0238	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,864.77
26 05 13 16-0239	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	16,055.36
26 05 13 16-0240	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	20,053.24
26 05 13 16-0241	Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0220)	
26 05 13 16-0242	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,166.90 906.87
26 05 13 16-0243	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,473.60 1,044.93
26 05 13 16-0244	MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,847.16 1,226.66
26 05 13 16-0245	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,813.86 1,402.81
26 05 13 16-0246	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,757.03 1,627.66
26 05 13 16-0247	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	15,378.97 1,894.80
26 05 13 16-0248	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	18,265.39 2,207.93
26 05 13 16-0249	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	22,770.18 2,564.72
26 05 13 16-0250	15 KV Non-Shielded Single Copper Conductor (26 05 13 16-0189)	
26 05 13 16-0251	MLF 1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,634.49 2,019.94
26 05 13 16-0252	MLF 2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,109.01 2,068.23
26 05 13 16-0253	MLF 3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,046.19 2,116.51
26 05 13 16-0254	MLF 350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	20,586.13 2,257.56
26 05 13 16-0255	Shielded, Armored Copper, 15 KV, 3 Conductor Cable (26 05 13 16-0189)	
	Note: Laid in cable tray or hung in vertical cable shaft.	
26 05 13 16-0256	Galvanized Steel Interlocked Armor Cable (26 05 13 16-0255)	
26 05 13 16-0257	LF 3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	56.10 15.40
26 05 13 16-0258	LF 3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	66.78 16.40

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0259		Aluminum Interlocked Armor Cable (26 05 13 16-0255)		
26 05 13 16-0260	LF	3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	56.10	15.40
26 05 13 16-0261	LF	3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	66.78	16.40
26 05 13 16-0262		Type URD, 15 KV Primary Concentric UD Cable (26 05 13 16-0189) Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0263	MLF	#4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	4,059.15	1,010.05
26 05 13 16-0264	MLF	#2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	4,831.13	1,102.87
26 05 13 16-0265	MLF	#1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	5,785.84	1,246.07
26 05 13 16-0266	MLF	1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	7,521.15	1,531.05
26 05 13 16-0267	MLF	2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	8,570.70	1,723.61
26 05 13 16-0268	MLF	3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	10,593.24	1,918.91
26 05 13 16-0269	MLF	4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit.....	11,904.75	2,148.03
26 05 13 16-0270		15 KV, URD Copper Cable, Direct Burial (26 05 13 16-0189)		
26 05 13 16-0271	MLF	3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial.....	19,260.43	
26 05 19		Low-Voltage Electrical Power Conductors and Cables (26 05)		
26 05 19 13		Undercarpet Electrical Power Cables (26 05 19)		
26 05 19 13-0001		Under Carpet Power System (26 05 19 13) Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing		
26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield	6.07	0.59
26 05 19 13-0003	LF	Steel, Top Shield	13.19	0.59
26 05 19 13-0004	EA	3-Conductor, Splice	35.92	10.07
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor	10.77	4.74
26 05 19 13-0006	EA	3-Conductor, Tap.....	44.64	11.85
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End.....	67.74	10.07
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly.....	44.06	5.92
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box.....	133.12	18.95
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box.....	221.41	29.61
26 05 19 13-0011	EA	Floor Mounted Box With Cover.....	219.35	23.70
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield	9.58	0.59
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable	9.51	0.59
26 05 19 13-0014	EA	5-Conductor, Splice	36.37	10.07
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly	57.87	5.92
26 05 19 13-0016	EA	Box, Wall, Flush With Cover	101.33	23.70
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box	67.65	19.55
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover.....	88.33	22.50
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45	37.84	8.88
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire	2.21	0.59
26 05 19 13-0021	EA	BNC, Coax Plug, Connector	31.24	11.85
26 05 19 13-0022	EA	TNC, Coax Plug, Connector	31.24	11.85
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	163.54	59.23
26 05 19 16		Low-Voltage, Single-and Multi-Conductor Cables (26 05 19)		
26 05 19 16-0001		Cable Installation Methods (26 05 19 16)		
26 05 19 16-0002		Pull Cord (26 05 19 16-0001) Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit.....	0.41	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.21	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.71	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.45	
26 05 19 16-0007		Bore Conduit Into Dirt Or Sand (26 05 19 16-0001) Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	3.54	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	4.51	
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge	495.80	
		Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
26 05 19 16-0011		Wire and Cable (26 05 19 16) Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.		
26 05 19 16-0012		Multi-Conductor Cords, Cables And Associated Equipment (26 05 19 16-0011)		
26 05 19 16-0013		Multi-Conductor Cords (26 05 19 16-0012) Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0014		Multi-Conductor Type SOOW And SJOOW Cord (26 05 19 16-0013) Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 19 16-0015		300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0014)		
26 05 19 16-0016		#18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0017	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.14	0.52
26 05 19 16-0018	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.18	0.52
26 05 19 16-0019	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.28	0.52
26 05 19 16-0020		#16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0021	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.34	0.52
26 05 19 16-0022	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.40	0.52
26 05 19 16-0023	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.48	0.52
26 05 19 16-0024		#14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0025	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.45	0.52
26 05 19 16-0026	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.55	0.52
26 05 19 16-0027	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.73	0.52
26 05 19 16-0028		#12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0029	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.61	0.52
26 05 19 16-0030	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.72	0.52
26 05 19 16-0031	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.88	0.52
26 05 19 16-0032		#10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0015)		
26 05 19 16-0033	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.00	0.65
26 05 19 16-0034	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.08	0.65
26 05 19 16-0035	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.20	0.65
26 05 19 16-0036		600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0014)		
26 05 19 16-0037		#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0038	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.18	0.52
26 05 19 16-0039	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.25	0.52
26 05 19 16-0040	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.34	0.52
26 05 19 16-0041	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.15	0.70
26 05 19 16-0042	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.32	0.72
26 05 19 16-0043	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.45	0.74
26 05 19 16-0044	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.65	0.76
26 05 19 16-0045	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.00	0.80
26 05 19 16-0046	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.36	0.82
26 05 19 16-0047	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.27	0.83
26 05 19 16-0048	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.35	0.85
26 05 19 16-0049	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.47	0.87
26 05 19 16-0050	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.92	0.89
26 05 19 16-0051	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.06	0.91
26 05 19 16-0052	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.34	0.97
26 05 19 16-0053		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0054	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.40	0.52
26 05 19 16-0055	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.46	0.52
26 05 19 16-0056	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.57	0.52
26 05 19 16-0057	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.22	0.70
26 05 19 16-0058	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.42	0.72
26 05 19 16-0059	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.61	0.74
26 05 19 16-0060	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.85	0.76
26 05 19 16-0061	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.96	0.78
26 05 19 16-0062	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.25	0.80
26 05 19 16-0063	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.72	0.82
26 05 19 16-0064	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.96	0.83
26 05 19 16-0065	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.41	0.85

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0066	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.03	0.87
26 05 19 16-0067	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.58	0.89
26 05 19 16-0068	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.63	0.91
26 05 19 16-0069	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.24	0.93
26 05 19 16-0070	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.36	0.97
26 05 19 16-0071 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord				
(26 05 19 16-0036)				
26 05 19 16-0072	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.56	0.52
26 05 19 16-0073	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.63	0.52
26 05 19 16-0074	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.80	0.52
26 05 19 16-0075	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.75	0.70
26 05 19 16-0076	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.22	0.72
26 05 19 16-0077	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.39	0.74
26 05 19 16-0078	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.76	0.76
26 05 19 16-0079	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.02	0.78
26 05 19 16-0080	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.45	0.80
26 05 19 16-0081	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.85	0.82
26 05 19 16-0082	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.31	0.83
26 05 19 16-0083	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.28	0.85
26 05 19 16-0084	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.01	0.89
26 05 19 16-0085	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.17	0.91
26 05 19 16-0086	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.60	0.97
26 05 19 16-0087 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord				
(26 05 19 16-0036)				
26 05 19 16-0088	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.73	0.52
26 05 19 16-0089	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.86	0.52
26 05 19 16-0090	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.98	0.52
26 05 19 16-0091	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.08	0.70
26 05 19 16-0092	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.52	0.72
26 05 19 16-0093	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.96	0.74
26 05 19 16-0094	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.43	0.76
26 05 19 16-0095	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.77	0.78
26 05 19 16-0096	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.36	0.80
26 05 19 16-0097	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.04	0.82
26 05 19 16-0098	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.67	0.83
26 05 19 16-0099	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.30	0.85
26 05 19 16-0100	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.62	0.87
26 05 19 16-0101	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.71	0.89
26 05 19 16-0102	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.82	0.91
26 05 19 16-0103	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.94	0.93
26 05 19 16-0104	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.30	0.95
26 05 19 16-0105	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.71	0.97
26 05 19 16-0106 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord				
(26 05 19 16-0036)				
26 05 19 16-0107	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.97	0.65
26 05 19 16-0108	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.08	0.65
26 05 19 16-0109	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.19	0.65
26 05 19 16-0110	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.73	0.70
26 05 19 16-0111	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.20	0.72
26 05 19 16-0112	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.86	0.74
26 05 19 16-0113	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.17	0.80
26 05 19 16-0114	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.00	0.82
26 05 19 16-0115	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.80	0.85
26 05 19 16-0116	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.58	0.89

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 19 16-0117		#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0118	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.66	0.78
26 05 19 16-0119	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.95	0.91
26 05 19 16-0120	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.18	0.91
26 05 19 16-0121		#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0122	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.03	0.91
26 05 19 16-0123	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.05	1.04
26 05 19 16-0124	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.26	1.29
26 05 19 16-0125		#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0126	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.89	1.29
26 05 19 16-0127	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.61	1.42
26 05 19 16-0128	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.29	1.55
26 05 19 16-0129		#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0036)		
26 05 19 16-0130	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	12.37	2.60
26 05 19 16-0131	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	15.69	3.24
26 05 19 16-0132	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	19.32	4.28
26 05 19 16-0133		300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0014)		
26 05 19 16-0134		#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0133)		
26 05 19 16-0135	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.49	0.52
26 05 19 16-0136	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.59	0.52
26 05 19 16-0137	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.79	0.52
26 05 19 16-0138		#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0133)		
26 05 19 16-0139	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.55	0.52
26 05 19 16-0140	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.72	0.52
26 05 19 16-0141	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.80	0.52
26 05 19 16-0142		#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0133)		
26 05 19 16-0143	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.97	0.52
26 05 19 16-0144	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.66	0.52
26 05 19 16-0145	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.32	0.65
26 05 19 16-0146		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0014)		
26 05 19 16-0147		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0146)		
26 05 19 16-0148	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	1.92	0.52
26 05 19 16-0149	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.21	0.52
26 05 19 16-0150	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.51	0.52
26 05 19 16-0151		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0146)		
26 05 19 16-0152	LF	2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.02	0.52
26 05 19 16-0153	LF	3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.32	0.52
26 05 19 16-0154	LF	4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.78	0.52
26 05 19 16-0155	LF	5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.02	0.65
26 05 19 16-0156		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0146)		
26 05 19 16-0157	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.39	0.52

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
26 05 19 16-0158	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.77		0.52
26 05 19 16-0159	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.08		0.65
26 05 19 16-0160		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0146)			
26 05 19 16-0161	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.74		0.52
26 05 19 16-0162	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.08		0.52
26 05 19 16-0163	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.43		0.65
26 05 19 16-0164		#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0146)			
26 05 19 16-0165	LF	3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.12		0.65
26 05 19 16-0166	LF	4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.42		0.65
26 05 19 16-0167	LF	5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.74		0.65
26 05 19 16-0168		Multi-Conductor Type SEOW Cord (26 05 19 16-0013) Note: Includes thermoplastic elastomeric (TPE) insulation.			
26 05 19 16-0169		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0168)			
26 05 19 16-0170		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0169)			
26 05 19 16-0171	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.56		0.52
26 05 19 16-0172	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.68		0.52
26 05 19 16-0173	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.36		0.65
26 05 19 16-0174		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0169)			
26 05 19 16-0175	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.91		0.52
26 05 19 16-0176	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.13		0.52
26 05 19 16-0177	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.91		0.65
26 05 19 16-0178		#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0169)			
26 05 19 16-0179	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.27		0.52
26 05 19 16-0180	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.56		0.52
26 05 19 16-0181	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.14		0.65
26 05 19 16-0182		#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord (26 05 19 16-0169)			
26 05 19 16-0183	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.80		0.65
26 05 19 16-0184	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.14		0.65
26 05 19 16-0185	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.35		0.65
26 05 19 16-0186		Multi-Conductor Type W Cord (26 05 19 16-0013) Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.			
26 05 19 16-0187		2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0186)			
26 05 19 16-0188		#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0187)			
26 05 19 16-0189	LF	3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	3.95		0.78
26 05 19 16-0190	LF	4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.22		0.91
26 05 19 16-0191	LF	5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.91		0.91
26 05 19 16-0192		#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0187)			
26 05 19 16-0193	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.26		0.91
26 05 19 16-0194	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.06		1.04
26 05 19 16-0195	LF	5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.26		1.29
26 05 19 16-0196		#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (26 05 19 16-0187)			
26 05 19 16-0197	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.52		0.91
26 05 19 16-0198	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.52		1.04
26 05 19 16-0199	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	8.30		1.29
26 05 19 16-0200		Cord Grips, Cable Reels, Extension Cords, And Accessories (26 05 19 16-0012)			
26 05 19 16-0201		Cord Grips (26 05 19 16-0200)			

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 05 19 16-0202	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	82.36		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.57		
26 05 19 16-0203	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	82.78		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.57		
26 05 19 16-0204 Cable Reels (26 05 19 16-0200)					
		Note: Includes handling, mounting, electrical connections and installing cord.			
26 05 19 16-0205	EA	30", 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	678.63		64.82
26 05 19 16-0206	EA	50", 10-4, SEOWW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,858.14		64.82
26 05 19 16-0207	EA	50", 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,391.89		64.82
26 05 19 16-0208 Extension Cords For Cable Reel (26 05 19 16-0200)					
26 05 19 16-0209	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	213.70		
26 05 19 16-0210	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	303.79		
26 05 19 16-0211 Plugs And Connector Bodies (26 05 19 16-0200)					
		Note: Up to 277 volt			
26 05 19 16-0212 NEMA Twist-Lock Plugs (26 05 19 16-0211)					
26 05 19 16-0213	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	84.87		
26 05 19 16-0214	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	86.42		
26 05 19 16-0215	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	79.92		
26 05 19 16-0216	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	84.68		
26 05 19 16-0217	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	106.98		
26 05 19 16-0218	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	113.03		
26 05 19 16-0219	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	118.94		
26 05 19 16-0220	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	107.88		
26 05 19 16-0221	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	122.41		
26 05 19 16-0222	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	125.24		
26 05 19 16-0223	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	128.84		
26 05 19 16-0224 NEMA Twist-Lock Connector Bodies (26 05 19 16-0211)					
26 05 19 16-0225	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	89.24		
26 05 19 16-0226	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	94.71		
26 05 19 16-0227	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	83.20		
26 05 19 16-0228	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	107.88		
26 05 19 16-0229	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	123.82		
26 05 19 16-0230	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	131.54		
26 05 19 16-0231	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	157.50		
26 05 19 16-0232	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	150.95		
26 05 19 16-0233	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	183.47		
26 05 19 16-0234	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	192.08		
26 05 19 16-0235	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	182.70		
26 05 19 16-0236 Watertight Pin And Sleeve Plug (26 05 19 16-0211)					
26 05 19 16-0237	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	286.98		38.90
26 05 19 16-0238	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	290.01		38.90
26 05 19 16-0239	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	313.57		38.90
26 05 19 16-0240	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	314.26		42.79
26 05 19 16-0241	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	309.69		42.79
26 05 19 16-0242	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	311.05		42.79
26 05 19 16-0243	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	437.27		47.84
26 05 19 16-0244	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	425.89		47.84
26 05 19 16-0245	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	474.77		47.84
26 05 19 16-0246	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	466.69		52.51
26 05 19 16-0247	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	446.93		52.51
26 05 19 16-0248	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	460.52		52.51
26 05 19 16-0249	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	594.00		62.24
26 05 19 16-0250	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	604.84		62.24
26 05 19 16-0251	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	579.14		62.24
26 05 19 16-0252	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	659.48		69.23
26 05 19 16-0253	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	642.62		69.23
26 05 19 16-0254	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	649.91		69.23
26 05 19 16-0255	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	814.84		77.79
26 05 19 16-0256	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	856.70		77.79
26 05 19 16-0257	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	835.66		85.58
26 05 19 16-0258	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	821.36		85.58
26 05 19 16-0259	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	829.08		85.58
26 05 19 16-0260 Watertight Pin And Sleeve Connector (26 05 19 16-0211)					
26 05 19 16-0261	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....	304.43		38.90
26 05 19 16-0262	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....	306.53		38.90
26 05 19 16-0263	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....	360.78		38.90
26 05 19 16-0264	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....	358.22		42.79
26 05 19 16-0265	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W).....	352.71		42.79
26 05 19 16-0266	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W).....	357.69		42.79
26 05 19 16-0267	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W).....	447.69		47.84
26 05 19 16-0268	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W).....	447.58		47.84
26 05 19 16-0269	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W).....	466.29		47.84

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0270	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	461.61	52.51
26 05 19 16-0271	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	465.47	52.51
26 05 19 16-0272	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	461.40	52.51
26 05 19 16-0273	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	700.93	62.24
26 05 19 16-0274	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	678.02	62.24
26 05 19 16-0275	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	664.36	62.24
26 05 19 16-0276	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	723.13	69.23
26 05 19 16-0277	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	743.05	69.23
26 05 19 16-0278	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	744.51	69.23
26 05 19 16-0279	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	932.13	77.79
26 05 19 16-0280	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	958.41	77.79
26 05 19 16-0281	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	1,035.70	85.58
26 05 19 16-0282	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	999.60	85.58
26 05 19 16-0283	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	1,011.91	85.58
26 05 19 16-0284 Accessories (26 05 19 16-0200)				
26 05 19 16-0285	EA	1/2" Straight Steel Cord Connector	65.35	12.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 19 16-0286	EA	1/2" Straight Nylon Cord Connector	39.16	9.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84	
26 05 19 16-0287	EA	1/2" 90 Degree Steel Cord Connector	74.78	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.73	
26 05 19 16-0288	EA	1/2" 90 Degree Nylon Cord Connector	47.11	12.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 19 16-0289	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	73.81	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.73	
26 05 19 16-0290	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	127.86	19.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.67	
26 05 19 16-0291	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	46.35	12.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 19 16-0292	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	78.37	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.73	
26 05 19 16-0293	EA	3/4" Straight Steel Cord Connector	68.12	12.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 19 16-0294	EA	3/4" Straight Nylon Cord Connector	40.54	9.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84	
26 05 19 16-0295	EA	3/4" 90 Degree Steel Cord Connector	83.44	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.72	
26 05 19 16-0296	EA	3/4" 90 Degree Nylon Cord Connector	51.44	12.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 19 16-0297	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	83.19	19.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.67	
26 05 19 16-0298	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	98.96	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	
26 05 19 16-0299	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	55.76	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.73	
26 05 19 16-0300	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	67.35	19.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.67	
26 05 19 16-0301	EA	1" Straight Steel Cord Connector	85.92	12.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 19 16-0302	EA	1" Straight Nylon Cord Connector	49.44	9.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84	
26 05 19 16-0303	EA	1" 90 Degree Steel Cord Connector	95.20	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.72	
26 05 19 16-0304	EA	1" 90 Degree Nylon Cord Connector	57.32	12.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 19 16-0305	EA	1" Straight Steel Cord Connector With Strain Relief Mesh	101.88	19.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.67	
26 05 19 16-0306	EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	111.30	22.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	
26 05 19 16-0307	EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	65.24	16.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.73	
26 05 19 16-0308	EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	75.37	19.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.67	
26 05 19 16-0309 ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0011)				
		Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0310 ACSR Cable (26 05 19 16-0309)				
26 05 19 16-0311	MLF	#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,918.50	588.71
26 05 19 16-0312	MLF	#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,052.82	611.29
26 05 19 16-0313	MLF	#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,244.14	634.82
26 05 19 16-0314	MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,378.81	657.81
26 05 19 16-0315	MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,704.31	680.12
26 05 19 16-0316	MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,173.06	770.98
26 05 19 16-0317	MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,702.97	859.80
26 05 19 16-0318	MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	4,299.26	949.85
26 05 19 16-0319	MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	4,924.59	1,220.67
26 05 19 16-0320	MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	5,589.51	1,400.22
26 05 19 16-0321 All Aluminum Conductors (26 05 19 16-0309)				
26 05 19 16-0322	MLF	795.0 ACSR Conductor Aluminum	37,964.80	11,513.76

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
26 05 19 16-0323 600 Volt Wire (26 05 19 16-0011)**26 05 19 16-0324 Single Solid Conductor, Copper (26 05 19 16-0323)**

26 05 19 16-0325	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	707.23	287.50
26 05 19 16-0326	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	883.36	338.20
26 05 19 16-0327	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,089.83	413.54
26 05 19 16-0328	MLF	#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	897.46	287.50
26 05 19 16-0329	MLF	#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,081.89	338.20
26 05 19 16-0330	MLF	#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,293.43	413.54

26 05 19 16-0331 Power Cable, Stranded Conductor, Copper (26 05 19 16-0323)**26 05 19 16-0332 Power Cable, Stranded, Single Conductor, XHHW-2 (26 05 19 16-0331)**

26 05 19 16-0333	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	739.06	236.92
26 05 19 16-0334	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	873.02	284.30
26 05 19 16-0335	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,072.49	331.69
26 05 19 16-0336	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,316.16	379.07
26 05 19 16-0337	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,750.56	473.84
26 05 19 16-0338	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	2,357.25	568.61
26 05 19 16-0339	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,219.88	710.77
26 05 19 16-0340	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,805.86	805.53
26 05 19 16-0341	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	4,500.68	900.30
26 05 19 16-0342	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	5,566.45	995.07
26 05 19 16-0343	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	6,672.46	1,137.22
26 05 19 16-0344	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	7,984.16	1,279.38
26 05 19 16-0345	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	9,545.03	1,421.52
26 05 19 16-0346	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	11,423.31	1,563.68
26 05 19 16-0347	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	12,111.19	1,705.83
26 05 19 16-0348	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	14,342.19	1,847.99
26 05 19 16-0349	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	15,301.84	1,990.13
26 05 19 16-0350	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	17,106.14	2,132.29
26 05 19 16-0351	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	19,787.31	2,274.44
26 05 19 16-0352	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	22,771.47	2,463.98
26 05 19 16-0353	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	34,508.29	2,748.28
26 05 19 16-0354	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	48,604.50	3,222.13

26 05 19 16-0355 Power Cable, Stranded, Multi Conductor, XHHW-2 (26 05 19 16-0331)

26 05 19 16-0356	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	1,746.03	568.49
26 05 19 16-0357	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,145.21	663.50
26 05 19 16-0358	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,662.97	805.53
26 05 19 16-0359	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,164.10	876.25
26 05 19 16-0360	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,445.50	923.87
26 05 19 16-0361	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,006.52	1,018.53
26 05 19 16-0362	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,816.22	1,061.64
26 05 19 16-0363	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,849.37	1,160.92
26 05 19 16-0364	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,352.04	1,232.23
26 05 19 16-0365	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,803.60	1,563.79
26 05 19 16-0366	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	11,808.04	2,321.82
26 05 19 16-0367	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,145.25	663.50
26 05 19 16-0368	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,743.74	805.53
26 05 19 16-0369	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,342.26	947.68
26 05 19 16-0370	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,868.33	852.56
26 05 19 16-0371	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,709.33	1,041.50
26 05 19 16-0372	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,791.39	1,326.99
26 05 19 16-0373	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,476.93	1,706.42
26 05 19 16-0374	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,765.74	2,179.79
26 05 19 16-0375	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,560.36	971.38
26 05 19 16-0376	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,540.92	1,137.22
26 05 19 16-0377	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,876.87	1,445.22
26 05 19 16-0378	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,596.18	1,089.84
26 05 19 16-0379	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,183.32	1,350.45
26 05 19 16-0380	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,906.81	1,665.55
26 05 19 16-0381	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,191.49	1,322.26
26 05 19 16-0382	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,109.91	1,512.39
26 05 19 16-0383	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	10,490.05	1,887.31
26 05 19 16-0384	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,526.32	1,610.59
26 05 19 16-0385	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	11,252.46	1,801.08
26 05 19 16-0386	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	14,922.75	2,369.21
26 05 19 16-0387	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	14,921.46	2,274.09
26 05 19 16-0388	MLF	4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	19,419.69	2,841.87
26 05 19 16-0389	MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	17,649.23	2,464.45
26 05 19 16-0390	MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	21,461.80	2,841.87
26 05 19 16-0391	MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	26,262.29	3,315.47
26 05 19 16-0392	MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	34,621.68	4,262.80
26 05 19 16-0393	MLF	3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	32,027.33	3,793.94
26 05 19 16-0394	MLF	3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	34,196.68	4,262.80
26 05 19 16-0395	MLF	3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	42,825.50	4,738.42
26 05 19 16-0396	MLF	3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	55,323.02	5,207.76

26 05 19 16-0397 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper
 (26 05 19 16-0323)
 Note: Direct bury.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0398	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,052.22		
26 05 19 16-0399	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,238.53		
26 05 19 16-0400	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,554.74		
26 05 19 16-0401	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,047.05		
26 05 19 16-0402	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,870.64		
26 05 19 16-0403	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,783.59		
26 05 19 16-0404	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,475.65		
26 05 19 16-0405	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,816.72		
26 05 19 16-0406	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,364.82		
26 05 19 16-0407	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,139.41		
26 05 19 16-0408	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,227.44		
26 05 19 16-0409	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,814.39		
26 05 19 16-0410	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,959.33		
26 05 19 16-0411	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	17,916.65		
26 05 19 16-0412	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,034.42		
26 05 19 16-0413	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,512.42		
26 05 19 16-0414	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	26,672.81		
26 05 19 16-0415	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	31,508.39		
26 05 19 16-0416	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	50,124.01		
26 05 19 16-0417	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	866.45		
26 05 19 16-0418	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,037.61		
26 05 19 16-0419	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,240.01		
26 05 19 16-0420	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,522.15		
26 05 19 16-0421	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,952.49		
26 05 19 16-0422	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,590.55		
26 05 19 16-0423	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,508.88		
26 05 19 16-0424	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,142.59		
26 05 19 16-0425	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,690.64		
26 05 19 16-0426	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,286.32		
26 05 19 16-0427	MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,134.66		
26 05 19 16-0428	MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,156.43		
26 05 19 16-0429	MLF	250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,108.69		
26 05 19 16-0430	MLF	300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,112.13		
26 05 19 16-0431	MLF	350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,199.67		
26 05 19 16-0432	MLF	400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,323.83		
26 05 19 16-0433	MLF	500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,161.89		
26 05 19 16-0434	MLF	750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,875.09		
26 05 19 16-0435	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	732.44		
26 05 19 16-0436	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	911.26		
26 05 19 16-0437	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,130.41		
26 05 19 16-0438	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,590.40		
26 05 19 16-0439	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,169.86		
26 05 19 16-0440	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,875.88		
26 05 19 16-0441	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,116.14		
26 05 19 16-0442	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,909.41		
26 05 19 16-0443	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,711.91		
26 05 19 16-0444	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,487.67		
26 05 19 16-0445	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,709.84		
26 05 19 16-0446	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,196.93		
26 05 19 16-0447	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,807.01		
26 05 19 16-0448	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,485.20		
26 05 19 16-0449	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,290.20		
26 05 19 16-0450	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	16,031.22		
26 05 19 16-0451	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,059.66		
26 05 19 16-0452	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,932.72		
26 05 19 16-0453	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	36,358.38		
26 05 19 16-0454	MLF	#2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,997.91		
26 05 19 16-0455	MLF	1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,601.76		
26 05 19 16-0456	MLF	2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,551.36		
26 05 19 16-0457	MLF	3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,846.92		
26 05 19 16-0458	MLF	4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,054.14		
26 05 19 16-0459	MLF	250 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,991.62		
26 05 19 16-0460	MLF	350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,600.61		
26 05 19 16-0461	MLF	400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,219.47		
26 05 19 16-0462	MLF	500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	23,050.65		
26 05 19 16-0463		600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0323)			
26 05 19 16-0464		ACTHH, Solid (26 05 19 16-0463)			
26 05 19 16-0465	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable.....	2,841.94		777.94
26 05 19 16-0466	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable.....	3,280.65		881.66
26 05 19 16-0467	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable.....	3,768.28		933.53

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 19 16-0468	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,065.17	1,296.57
26 05 19 16-0469	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	4,343.55	1,451.89
26 05 19 16-0470	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	5,542.90	1,608.64
26 05 19 16-0471	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	7,309.25	1,763.98
26 05 19 16-0472	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,937.69	1,451.89
26 05 19 16-0473	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	5,156.18	1,608.64
26 05 19 16-0474	MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	6,639.29	1,815.97
26 05 19 16-0475	MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	8,698.42	1,970.52
26 05 19 16-0476	MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	5,911.14	1,608.64
26 05 19 16-0477	MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	6,467.23	1,815.97
26 05 19 16-0478	MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	8,284.11	2,022.77
26 05 19 16-0479	MLF	4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	10,830.76	2,179.13

26 05 19 16-0480 ACTHH, Stranded (26 05 19 16-0463)

26 05 19 16-0481	MLF	2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	7,569.79	1,868.22
26 05 19 16-0482	MLF	2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	9,262.73	2,125.46
26 05 19 16-0483	MLF	3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	8,958.52	2,074.51
26 05 19 16-0484	MLF	3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	11,292.06	2,332.00
26 05 19 16-0485	MLF	3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	14,365.75	2,593.13
26 05 19 16-0486	MLF	3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	16,544.26	2,849.59
26 05 19 16-0487	MLF	3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	18,991.24	3,109.29
26 05 19 16-0488	MLF	4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	11,604.53	2,488.62
26 05 19 16-0489	MLF	4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	14,106.70	2,746.91
26 05 19 16-0490	MLF	4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	18,260.33	3,008.29
26 05 19 16-0491	MLF	4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	20,018.41	3,265.92
26 05 19 16-0492	MLF	4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	23,827.30	3,523.29

26 05 19 16-0493 HCFC, Solid (26 05 19 16-0463)

26 05 19 16-0494	MLF	2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,582.59	1,296.57
26 05 19 16-0495	MLF	2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,009.58	1,456.82
26 05 19 16-0496	MLF	2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	5,605.38	1,600.74
26 05 19 16-0497	MLF	3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	5,579.78	1,456.82
26 05 19 16-0498	MLF	3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,978.49	1,600.74
26 05 19 16-0499	MLF	3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	7,876.40	1,826.21
26 05 19 16-0500	MLF	4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	6,896.34	1,600.74
26 05 19 16-0501	MLF	4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	7,518.46	1,826.21
26 05 19 16-0502	MLF	4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	10,378.90	2,025.89

26 05 19 16-0503 MC, Solid Or Stranded, Galvanized Steel Armor (26 05 19 16-0463)

26 05 19 16-0504	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,132.53	1,296.57
26 05 19 16-0505	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,611.23	1,456.82
26 05 19 16-0506	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,622.38	1,600.74
26 05 19 16-0507	MLF	2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,367.82	1,710.55
26 05 19 16-0508	MLF	2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,340.68	1,813.38
26 05 19 16-0509	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,794.54	1,456.82
26 05 19 16-0510	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,432.28	1,600.74
26 05 19 16-0511	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,012.95	1,826.21
26 05 19 16-0512	MLF	3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,327.05	1,970.52
26 05 19 16-0513	MLF	3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	11,002.63	2,125.46
26 05 19 16-0514	MLF	3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	13,800.35	2,282.74
26 05 19 16-0515	MLF	3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	19,473.43	2,437.16
26 05 19 16-0516	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,605.75	1,600.74
26 05 19 16-0517	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,426.01	1,826.21
26 05 19 16-0518	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,103.19	2,025.89
26 05 19 16-0519	MLF	4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	13,980.91	2,231.65
26 05 19 16-0520	MLF	4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	17,270.42	2,387.75
26 05 19 16-0521	MLF	4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	23,118.74	2,542.30
26 05 19 16-0522	MLF	4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	30,186.10	2,695.56

26 05 19 16-0523 MC, Solid Or Stranded, Aluminum Armor (26 05 19 16-0463)

26 05 19 16-0524	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,093.08	1,296.57
26 05 19 16-0525	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,508.94	1,456.82
26 05 19 16-0526	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,531.91	1,600.74
26 05 19 16-0527	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,959.29	1,456.82
26 05 19 16-0528	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,341.40	1,600.74
26 05 19 16-0529	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,941.08	1,826.21
26 05 19 16-0530	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,388.97	1,600.74
26 05 19 16-0531	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,993.67	1,826.21
26 05 19 16-0532	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	10,103.19	2,025.89

26 05 19 16-0533 FPLP Solid TFN Red Armored Cable (26 05 19 16-0463)

Note: Color coded red.

26 05 19 16-0534	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,215.17	985.39
26 05 19 16-0535	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,781.62	1,140.98
26 05 19 16-0536	MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	5,955.09	1,296.57
26 05 19 16-0537	MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	6,838.68	1,452.15
26 05 19 16-0538	MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,793.17	1,140.98
26 05 19 16-0539	MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,677.84	1,296.57
26 05 19 16-0540	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	7,171.59	1,452.15
26 05 19 16-0541	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	8,168.62	1,607.74

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0542 FPLP Solid THHN Red Armored Cable (26 05 19 16-0463)
Note: Color coded red.

26 05 19 16-0543	MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable	5,317.63	1,296.57
26 05 19 16-0544	MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable	6,640.20	1,452.15
26 05 19 16-0545	MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable	8,911.10	1,607.74
26 05 19 16-0546	MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable	10,355.49	1,763.32
26 05 19 16-0547	MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable	6,751.52	1,452.15
26 05 19 16-0548	MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable	8,300.94	1,607.74

26 05 19 16-0549 FPLP Twisted Shielded Pair Red Armored Cable (26 05 19 16-0463)
Note: Color coded red.

26 05 19 16-0550	MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,593.23	985.39
26 05 19 16-0551	MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	7,390.02	1,452.15
26 05 19 16-0552	MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,665.87	1,140.98
26 05 19 16-0553	MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	6,704.91	1,296.57
26 05 19 16-0554	MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	9,370.03	1,607.74
26 05 19 16-0555	MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,633.98	1,348.43
26 05 19 16-0556	MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	8,221.69	1,555.88

26 05 19 16-0557 Armored Cable Connectors (26 05 19 16-0463)

26 05 19 16-0558	EA 3/4" Armored Cable Connector	7.89	2.85
	For Work In Restricted Working Space, Add	2.13	
	For Elevated Installation >10' To 15', Add	0.71	
	For Elevated Installation >15' To 20', Add	1.42	
	For Elevated Installation >20' To 25', Add	1.78	
	For Elevated Installation >25' To 30', Add	2.49	
	For Elevated Installation >30' To 35', Add	2.84	
	For Elevated Installation >35' To 40', Add	3.56	
	For Elevated Installation >40', Add	3.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.13	
26 05 19 16-0559	EA 1" Armored Cable Connector	10.53	3.79
	For Work In Restricted Working Space, Add	2.84	
	For Elevated Installation >10' To 15', Add	0.95	
	For Elevated Installation >15' To 20', Add	1.89	
	For Elevated Installation >20' To 25', Add	2.37	
	For Elevated Installation >25' To 30', Add	3.31	
	For Elevated Installation >30' To 35', Add	3.79	
	For Elevated Installation >35' To 40', Add	4.74	
	For Elevated Installation >40', Add	5.21	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.84	
26 05 19 16-0560	EA 1-1/4" Armored Cable Connector	13.24	4.74
	For Work In Restricted Working Space, Add	3.56	
	For Elevated Installation >10' To 15', Add	1.19	
	For Elevated Installation >15' To 20', Add	2.37	
	For Elevated Installation >20' To 25', Add	2.96	
	For Elevated Installation >25' To 30', Add	4.15	
	For Elevated Installation >30' To 35', Add	4.74	
	For Elevated Installation >35' To 40', Add	5.93	
	For Elevated Installation >40', Add	6.52	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.56	

26 05 19 16-0561 600 Volt, Feeder Wire, Single Stranded Copper (26 05 19 16-0323)

26 05 19 16-0562	MLF #14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	973.87	189.89
	For EPR Insulation, Add	39.47	
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	92.09	
26 05 19 16-0563	MLF #12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,097.44	210.27
	For EPR Insulation, Add	40.23	
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	93.87	
26 05 19 16-0564	MLF #10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,339.26	262.86
	For EPR Insulation, Add	58.74	
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	137.05	
26 05 19 16-0565	MLF #8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,828.35	418.16
	For EPR Insulation, Add	96.56	
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	225.31	
26 05 19 16-0566	MLF #6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,503.27	501.80
	For EPR Insulation, Add	162.26	
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	378.61	
26 05 19 16-0567	MLF #4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,413.46	582.59
	For EPR Insulation, Add	245.48	
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	572.79	
26 05 19 16-0568	MLF #3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,894.63	666.81
	For EPR Insulation, Add	282.12	
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	658.28	
26 05 19 16-0569	MLF #2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,908.72	751.04
	For EPR Insulation, Add	398.70	
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	930.29	
26 05 19 16-0570	MLF #1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,079.03	836.45
	For EPR Insulation, Add	538.70	
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,256.98	
26 05 19 16-0571	MLF 1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,328.41	943.66
	For EPR Insulation, Add	672.80	
	For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,569.88	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0572	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,836.63	1,046.48	
		For EPR Insulation, Add	845.73		
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	1,973.37		
26 05 19 16-0573	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	10,599.43	1,168.25	
		For EPR Insulation, Add	1,056.84		
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,465.96		
26 05 19 16-0574	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,955.26	1,298.92	
		For EPR Insulation, Add	1,206.91		
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,816.12		
26 05 19 16-0575	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	12,732.11	1,424.60	
		For EPR Insulation, Add	1,270.13		
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	2,963.64		
26 05 19 16-0576	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	15,020.96	1,566.05	
		For EPR Insulation, Add	1,560.15		
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,640.35		
26 05 19 16-0577	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	16,754.93	1,660.22	
		For EPR Insulation, Add	1,766.94		
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	4,122.86		
26 05 19 16-0578	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	18,770.64	1,855.57	
		For EPR Insulation, Add	2,015.99		
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	4,703.97		
26 05 19 16-0579	MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	21,445.71	2,063.70	
		For EPR Insulation, Add	2,363.94		
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	5,515.86		
26 05 19 16-0580	MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	25,105.98	2,147.10	
		For EPR Insulation, Add	2,841.91		
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	6,631.11		
26 05 19 16-0581	MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	40,704.37	2,230.37	
		For EPR Insulation, Add	5,075.05		
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	11,841.78		
26 05 19 16-0582	MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	51,242.53	2,383.19	
		For EPR Insulation, Add	6,584.70		
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	15,364.29		
26 05 19 16-0583	MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,694.53	426.22	
26 05 19 16-0584	MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,118.00	473.84	
26 05 19 16-0585	MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,657.86	569.08	
26 05 19 16-0586	MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,150.89	663.14	
26 05 19 16-0587	MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,689.70	710.06	
26 05 19 16-0588	MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	553.83	236.92	
26 05 19 16-0589	MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	690.76	260.61	
26 05 19 16-0590	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	725.77	190.01	
26 05 19 16-0591	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	901.71	226.50	
26 05 19 16-0592	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,116.09	284.90	
26 05 19 16-0593	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,565.43	375.52	
26 05 19 16-0594	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,128.59	453.47	
26 05 19 16-0595	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,812.27	535.91	
26 05 19 16-0596	MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,360.71	606.64	
26 05 19 16-0597	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,016.03	679.37	
26 05 19 16-0598	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,782.80	766.68	
26 05 19 16-0599	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,564.01	839.53	
26 05 19 16-0600	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,314.11	927.78	
26 05 19 16-0601	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,489.37	981.33	
26 05 19 16-0602	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,922.58	1,104.05	
26 05 19 16-0603	MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,472.90	1,174.54	
26 05 19 16-0604	MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,088.10	1,330.20	
26 05 19 16-0605	MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,824.08	1,472.10	
26 05 19 16-0606	MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,499.13	1,512.39	
26 05 19 16-0607	MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,400.26	1,600.05	
26 05 19 16-0608	MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	22,814.26	1,882.93	
26 05 19 16-0609	MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	34,931.62	2,230.37	
26 05 19 16-0610	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	41,848.70	2,692.84	
26 05 19 16-0611	MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,991.63	569.08	
26 05 19 16-0612	MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,322.52	663.14	
26 05 19 16-0613	MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,850.83	758.74	
26 05 19 16-0614	MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,014.60	852.56	
26 05 19 16-0615	MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,683.89	947.68	
26 05 19 16-0616	MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,261.95	1,041.50	

26 05 19 16-0617 600 Volt, Single Stranded Copper, Low Smoke Zero Halogen (26 05 19 16-0323)

26 05 19 16-0618	MLF	#14 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	743.01	190.01
26 05 19 16-0619	MLF	#12 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	949.52	226.50
26 05 19 16-0620	MLF	#10 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	1,288.20	284.90
26 05 19 16-0621	MLF	#8 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	1,941.22	375.52
26 05 19 16-0622	MLF	#6 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	2,790.85	453.47
26 05 19 16-0623	MLF	#4 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	3,636.87	535.91
26 05 19 16-0624	MLF	#3 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	4,375.97	606.64
26 05 19 16-0625	MLF	#2 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	5,313.36	679.37
26 05 19 16-0626	MLF	#1 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	6,095.18	766.68
26 05 19 16-0627	MLF	1/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	6,980.06	839.53
26 05 19 16-0628	MLF	2/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	8,047.41	927.78
26 05 19 16-0629	MLF	3/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	9,729.85	981.33
26 05 19 16-0630	MLF	4/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	11,815.18	1,104.05
26 05 19 16-0631	MLF	250 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	13,440.10	1,174.54
26 05 19 16-0632	MLF	300 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	15,809.58	1,330.20
26 05 19 16-0633	MLF	350 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	18,334.48	1,472.10
26 05 19 16-0634	MLF	400 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	20,064.55	1,512.39

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0635	MLF	500 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	24,178.93	1,600.05
26 05 19 16-0636	MLF	600 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	28,913.85	1,882.93
26 05 19 16-0637	MLF	750 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	37,631.90	2,230.37
26 05 19 16-0638	MLF	1,000 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	48,967.38	2,692.84
26 05 19 16-0639 600 Volt, Feeder Wire, Single Stranded Aluminum (26 05 19 16-0323)				
26 05 19 16-0640	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,303.42	357.20
26 05 19 16-0641	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,544.28	415.34
26 05 19 16-0642	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,019.56	533.16
26 05 19 16-0643	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,494.05	595.37
26 05 19 16-0644	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,883.85	670.76
26 05 19 16-0645	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,277.07	740.34
26 05 19 16-0646	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,860.59	835.51
26 05 19 16-0647	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,273.28	921.79
26 05 19 16-0648	MLF	250 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,936.90	1,013.35
26 05 19 16-0649	MLF	300 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,074.88	1,102.00
26 05 19 16-0650	MLF	350 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,351.41	1,190.63
26 05 19 16-0651	MLF	400 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,256.41	1,324.30
26 05 19 16-0652	MLF	500 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,996.92	1,457.93
26 05 19 16-0653	MLF	600 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,759.90	1,698.32
26 05 19 16-0654	MLF	700 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,020.20	1,861.84
26 05 19 16-0655	MLF	750 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,257.53	1,930.86
26 05 19 16-0656	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,429.37	2,342.24
26 05 19 16-0657	MLF	#8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,498.91	420.65
26 05 19 16-0658	MLF	#6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,685.77	473.84
26 05 19 16-0659	MLF	#4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,075.05	582.94
26 05 19 16-0660	MLF	#2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,625.03	714.56
26 05 19 16-0661	MLF	#1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,331.02	841.19
26 05 19 16-0662	MLF	1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,843.91	948.04
26 05 19 16-0663	MLF	2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,374.08	1,053.00
26 05 19 16-0664	MLF	3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,035.54	1,148.83
26 05 19 16-0665	MLF	4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,460.66	1,222.63
26 05 19 16-0666	MLF	250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,205.26	1,308.16
26 05 19 16-0667	MLF	300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,558.80	1,401.98
26 05 19 16-0668	MLF	350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,907.04	1,514.52
26 05 19 16-0669	MLF	400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,946.84	1,651.58
26 05 19 16-0670	MLF	500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,052.62	1,895.37
26 05 19 16-0671	MLF	600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,719.97	1,994.64
26 05 19 16-0672	MLF	700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,030.20	2,102.91
26 05 19 16-0673	MLF	750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,439.50	2,234.88
26 05 19 16-0674	MLF	1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	19,520.39	3,132.10
26 05 19 16-0675	MLF	#6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,582.70	473.84
26 05 19 16-0676	MLF	#4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,968.77	582.82
26 05 19 16-0677	MLF	#2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,448.53	715.50
26 05 19 16-0678	MLF	#1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,035.08	836.45
26 05 19 16-0679	MLF	1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,428.28	943.66
26 05 19 16-0680	MLF	2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,867.43	1,046.48
26 05 19 16-0681	MLF	3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,441.82	1,148.83
26 05 19 16-0682	MLF	4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,831.04	1,222.63
26 05 19 16-0683	MLF	250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,429.50	1,307.33
26 05 19 16-0684	MLF	300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,466.73	1,403.75
26 05 19 16-0685	MLF	350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,862.48	1,516.53
26 05 19 16-0686	MLF	400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,577.42	1,647.78
26 05 19 16-0687	MLF	500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,719.47	1,895.37
26 05 19 16-0688	MLF	600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,864.21	1,989.30
26 05 19 16-0689	MLF	700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,876.35	2,102.91
26 05 19 16-0690	MLF	750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,325.85	2,228.12
26 05 19 16-0691 Non-Metallic Sheathed Cable (26 05 19 16-0323)				
26 05 19 16-0692 Indoor Installation (26 05 19 16-0691)				
Note: For NM, NM-B, NMC-B and NMS-B.				
26 05 19 16-0693	MLF	#14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,424.25	900.18
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	337.56	
26 05 19 16-0694	MLF	#14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,334.03	1,089.84
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	408.71	
26 05 19 16-0695	MLF	#14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,768.05	1,205.93
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	452.22	
26 05 19 16-0696	MLF	#12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,454.72	1,023.50
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	364.27	
26 05 19 16-0697	MLF	#12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,671.74	1,136.98
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	426.39	
26 05 19 16-0698	MLF	#12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	9,096.81	1,269.89
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	476.21	
26 05 19 16-0699	MLF	#10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,639.67	1,137.58
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	426.60	
26 05 19 16-0700	MLF	#10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	9,417.49	1,326.99
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	497.62	
26 05 19 16-0701	MLF	#10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	11,293.13	1,516.29
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	568.61	
26 05 19 16-0702	MLF	#8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	11,458.53	1,362.29
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	485.10	
26 05 19 16-0703	MLF	#8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	14,724.02	1,646.60
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	586.38	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 19 16-0704	MLF #6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	15,247.63 550.84		1,551.83
26 05 19 16-0705	MLF #6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	20,545.17 666.34		1,871.67
26 05 19 16-0706	MLF #4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	49,673.17 732.97		2,061.21
26 05 19 16-0707	MLF #2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	58,099.91 799.61		2,238.91
26 05 19 16-0708 Direct Burial Cable (26 05 19 16-0691)				
Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.				
26 05 19 16-0709	MLF #14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,618.82		
26 05 19 16-0710	MLF #14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,389.31		
26 05 19 16-0711	MLF #12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,306.01		
26 05 19 16-0712	MLF #12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,152.10		
26 05 19 16-0713	MLF #10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,551.55		
26 05 19 16-0714	MLF #10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,976.63		
26 05 19 16-0715	MLF #8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,266.26		
26 05 19 16-0716	MLF #8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,686.70		
26 05 19 16-0717	MLF #6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	6,577.61		
26 05 19 16-0718	MLF #6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	8,540.92		
26 05 19 16-0719 SEU Cable Copper, 3 Conductor (26 05 19 16-0691)				
26 05 19 16-0720	MLF 12-12-12 Cable SEU Copper	3,446.73		1,141.37
26 05 19 16-0721	MLF 10-10-10 Cable SEU Copper	4,302.16		1,296.57
26 05 19 16-0722	MLF 8-8-8 Cable SEU Copper	5,325.30		1,451.89
26 05 19 16-0723	MLF 6-6-8 Cable SEU Copper	6,397.54		1,556.53
26 05 19 16-0724	MLF 6-6-6 Cable SEU Copper	6,870.81		1,608.64
26 05 19 16-0725	MLF 4-4-6 Cable SEU Copper	8,342.50		1,763.98
26 05 19 16-0726	MLF 4-4-4 Cable SEU Copper	8,974.92		1,815.97
26 05 19 16-0727	MLF 3-3-5 Cable SEU Copper	10,425.93		1,970.52
26 05 19 16-0728	MLF 3-3-3 Cable SEU Copper	11,071.08		2,074.51
26 05 19 16-0729	MLF 2-2-4 Cable SEU Copper	11,820.84		2,179.13
26 05 19 16-0730	MLF 2-2-2 Cable SEU Copper	12,630.43		2,282.74
26 05 19 16-0731	MLF 1-1-1 Cable SEU Copper	15,427.76		2,593.13
26 05 19 16-0732	MLF 1/0-1/0-1/0 Cable SEU Copper	18,331.47		2,907.16
26 05 19 16-0733	MLF 2/0-2/0-2/0 Cable SEU Copper	22,038.43		3,274.22
26 05 19 16-0734	MLF 3/0-3/0-3/0 Cable SEU Copper	26,467.54		3,642.06
26 05 19 16-0735	MLF 4/0-4/0-4/0 Cable SEU Copper	29,578.02		4,064.47
26 05 19 16-0736 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0691)				
26 05 19 16-0737	MLF 8-8-8 Cable SEU Aluminum	4,559.02		1,456.82
26 05 19 16-0738	MLF 6-6-6 Cable SEU Aluminum	5,180.70		1,600.74
26 05 19 16-0739	MLF 4-4-6 Cable SEU Aluminum	5,805.71		1,752.18
26 05 19 16-0740	MLF 4-4-4 Cable SEU Aluminum	6,076.92		1,826.21
26 05 19 16-0741	MLF 2-2-4 Cable SEU Aluminum	7,264.31		2,160.99
26 05 19 16-0742	MLF 2-2-2 Cable SEU Aluminum	7,706.04		2,274.69
26 05 19 16-0743	MLF 1-1-1 Cable SEU Aluminum	9,219.35		2,593.13
26 05 19 16-0744	MLF 1/0-1/0-2 Cable SEU Aluminum	9,755.07		2,729.66
26 05 19 16-0745	MLF 1/0-1/0-1/0 Cable SEU Aluminum	11,740.40		2,881.22
26 05 19 16-0746	MLF 2/0-2/0-1 Cable SEU Aluminum	11,015.43		3,087.12
26 05 19 16-0747	MLF 2/0-2/0-2/0 Cable SEU Aluminum	11,631.45		3,241.42
26 05 19 16-0748	MLF 3/0-3/0-1/0 Cable SEU Aluminum	12,634.41		3,394.14
26 05 19 16-0749	MLF 3/0-3/0-3/0 Cable SEU Aluminum	13,508.87		3,601.60
26 05 19 16-0750	MLF 4/0-4/0-2/0 Cable SEU Aluminum	14,286.43		3,893.59
26 05 19 16-0751	MLF 4/0-4/0-4/0 Cable SEU Aluminum	15,072.37		4,051.76
26 05 19 16-0752 SER Cable Copper, 4 Conductor (26 05 19 16-0691)				
26 05 19 16-0753	MLF 6-6-6-6 Cable SER Copper	10,684.78		1,868.22
26 05 19 16-0754	MLF 4-4-4-6 Cable SER Copper	11,713.16		2,022.77
26 05 19 16-0755	MLF 3-3-3-5 Cable SER Copper	14,486.71		2,282.74
26 05 19 16-0756	MLF 2-2-2-4 Cable SER Copper	16,568.73		2,488.62
26 05 19 16-0757	MLF 1-1-1-3 Cable SER Copper	19,304.92		2,849.59
26 05 19 16-0758	MLF 1/0-1/0-1/0-2 Cable SER Copper	23,486.28		3,265.92
26 05 19 16-0759	MLF 2/0-2/0-2/0-1 Cable SER Copper	29,353.29		3,523.29
26 05 19 16-0760	MLF 3/0-3/0-3/0-1/0 Cable SER Copper	33,888.08		3,940.91
26 05 19 16-0761 SER Cable Aluminum, 4 Conductor (26 05 19 16-0691)				
26 05 19 16-0762	MLF 8-8-8-8 Cable SER Aluminum	5,324.56		1,743.75
26 05 19 16-0763	MLF 6-6-6-6 Cable SER Aluminum	5,776.78		1,868.22
26 05 19 16-0764	MLF 4-4-4-6 Cable SER Aluminum	6,407.44		2,022.77
26 05 19 16-0765	MLF 2-2-2-4 Cable SER Aluminum	8,020.31		2,488.62
26 05 19 16-0766	MLF 1-1-1-3 Cable SER Aluminum	9,529.95		2,849.59
26 05 19 16-0767	MLF 1/0-1/0-1/0-2 Cable SER Aluminum	10,806.32		3,265.92

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0768	MLF	2/0-2/0-2/0-1 Cable SER Aluminum.....	11,978.45	3,523.29
26 05 19 16-0769	MLF	3/0-3/0-3/0-1/0 Cable SER Aluminum.....	13,576.87	3,940.91
26 05 19 16-0770	MLF	4/0-4/0-4/0-2/0 Cable SER Aluminum.....	15,345.64	4,391.33
26 05 19 16-0771 Control Tray Cable, Low Voltage (26 05 19 16-0011)				
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.				
26 05 19 16-0772	MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,186.16	574.65
		For Work In Restricted Working Space, Add	287.33	
26 05 19 16-0773	MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,365.02	642.82
		For Work In Restricted Working Space, Add	321.41	
26 05 19 16-0774	MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,424.85	642.77
		For Work In Restricted Working Space, Add	321.41	
26 05 19 16-0775	MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,784.21	806.21
		For Work In Restricted Working Space, Add	403.11	
26 05 19 16-0776	MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,241.08	982.45
		For Work In Restricted Working Space, Add	491.23	
26 05 19 16-0777	MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,551.10	1,080.36
		For Work In Restricted Working Space, Add	540.18	
26 05 19 16-0778	MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,024.84	1,227.55
		For Work In Restricted Working Space, Add	613.78	
26 05 19 16-0779	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,816.79	1,500.42
		For Work In Restricted Working Space, Add	750.21	
26 05 19 16-0780	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,348.79	1,636.89
		For Work In Restricted Working Space, Add	818.45	
26 05 19 16-0781	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,108.44	1,688.06
		For Work In Restricted Working Space, Add	844.03	
26 05 19 16-0782	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	6,271.99	2,108.84
		For Work In Restricted Working Space, Add	1,054.42	
26 05 19 16-0783	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	7,512.06	2,464.57
		For Work In Restricted Working Space, Add	1,232.29	
26 05 19 16-0784	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,293.62	605.34
		For Work In Restricted Working Space, Add	302.43	
26 05 19 16-0785	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,494.84	676.65
		For Work In Restricted Working Space, Add	338.33	
26 05 19 16-0786	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,740.19	779.00
		For Work In Restricted Working Space, Add	389.50	
26 05 19 16-0787	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,965.06	848.65
		For Work In Restricted Working Space, Add	424.33	
26 05 19 16-0788	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,478.18	1,034.17
		For Work In Restricted Working Space, Add	517.08	
26 05 19 16-0789	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,833.49	1,137.22
		For Work In Restricted Working Space, Add	568.61	
26 05 19 16-0790	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,377.25	1,292.17
		For Work In Restricted Working Space, Add	646.08	
26 05 19 16-0791	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable.....	4,277.31	1,579.32
		For Work In Restricted Working Space, Add	789.66	
26 05 19 16-0792	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable.....	4,897.29	1,722.89
		For Work In Restricted Working Space, Add	861.45	
26 05 19 16-0793	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable.....	5,830.27	1,776.91
		For Work In Restricted Working Space, Add	888.45	
26 05 19 16-0794	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable.....	7,146.11	2,219.71
		For Work In Restricted Working Space, Add	1,109.86	
26 05 19 16-0795	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable.....	8,579.35	2,594.29
		For Work In Restricted Working Space, Add	1,297.14	
26 05 19 16-0796	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,399.81	631.87
		For Work In Restricted Working Space, Add	315.93	
26 05 19 16-0797	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,667.26	710.77
		For Work In Restricted Working Space, Add	355.38	
26 05 19 16-0798	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,952.22	812.40
		For Work In Restricted Working Space, Add	406.20	
26 05 19 16-0799	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,192.43	874.95
		For Work In Restricted Working Space, Add	437.48	
26 05 19 16-0800	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,909.24	1,072.55
		For Work In Restricted Working Space, Add	536.27	
26 05 19 16-0801	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable.....	3,347.94	1,184.60
		For Work In Restricted Working Space, Add	592.42	
26 05 19 16-0802	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable.....	4,093.20	1,322.02
		For Work In Restricted Working Space, Add	661.01	
26 05 19 16-0803	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable.....	4,889.13	1,579.08
		For Work In Restricted Working Space, Add	789.66	
26 05 19 16-0804	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable.....	8,169.57	1,834.96
		For Work In Restricted Working Space, Add	917.24	
26 05 19 16-0805	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable.....	7,301.62	2,145.32
		For Work In Restricted Working Space, Add	1,072.90	
26 05 19 16-0806	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable.....	8,476.24	2,397.40
		For Work In Restricted Working Space, Add	1,198.70	
26 05 19 16-0807	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable.....	10,201.93	2,801.83
		For Work In Restricted Working Space, Add	1,400.92	
26 05 19 16-0808	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,624.00	676.65
		For Work In Restricted Working Space, Add	338.33	
26 05 19 16-0809	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,933.99	748.67
		For Work In Restricted Working Space, Add	374.22	
26 05 19 16-0810	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable.....	2,346.67	861.45
		For Work In Restricted Working Space, Add	430.72	
26 05 19 16-0811	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable.....	2,649.81	916.89
		For Work In Restricted Working Space, Add	458.44	
26 05 19 16-0812	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable.....	3,480.64	1,093.16
		For Work In Restricted Working Space, Add	546.58	

26 Electrical**26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 19 16-0813	MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable.....	4,288.18	1,292.17
	<i>For Work In Restricted Working Space, Add</i>	646.08	
26 05 19 16-0814	MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable.....	5,203.21	1,457.77
	<i>For Work In Restricted Working Space, Add</i>	728.89	
26 05 19 16-0815	MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable.....	6,186.38	1,672.43
	<i>For Work In Restricted Working Space, Add</i>	836.21	
26 05 19 16-0816	MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable.....	7,306.12	1,895.60
	<i>For Work In Restricted Working Space, Add</i>	947.80	
26 05 19 16-0817	MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable.....	9,334.76	2,215.45
	<i>For Work In Restricted Working Space, Add</i>	1,107.73	
26 05 19 16-0818	MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable.....	10,812.32	2,589.31
	<i>For Work In Restricted Working Space, Add</i>	1,294.65	
26 05 19 16-0819	MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable.....	13,065.75	3,026.42
	<i>For Work In Restricted Working Space, Add</i>	1,513.21	
26 05 19 16-0820	MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable.....	1,925.58	710.77
	<i>For Work In Restricted Working Space, Add</i>	355.38	
26 05 19 16-0821	MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable.....	2,392.80	779.47
	<i>For Work In Restricted Working Space, Add</i>	389.50	
26 05 19 16-0822	MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable.....	2,908.34	888.45
	<i>For Work In Restricted Working Space, Add</i>	444.23	
26 05 19 16-0823	MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable.....	3,373.80	963.80
	<i>For Work In Restricted Working Space, Add</i>	481.90	
26 05 19 16-0824	MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable.....	4,558.65	1,209.72
	<i>For Work In Restricted Working Space, Add</i>	604.86	
26 05 19 16-0825	MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable.....	5,397.36	1,354.00
	<i>For Work In Restricted Working Space, Add</i>	677.00	
26 05 19 16-0826	MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable.....	6,289.51	1,579.32
	<i>For Work In Restricted Working Space, Add</i>	789.66	
26 05 19 16-0827	MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable.....	7,428.79	1,806.05
	<i>For Work In Restricted Working Space, Add</i>	903.03	
26 05 19 16-0828	MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable.....	8,802.47	2,047.00
	<i>For Work In Restricted Working Space, Add</i>	1,023.50	
26 05 19 16-0829	MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable.....	11,322.43	2,392.43
	<i>For Work In Restricted Working Space, Add</i>	1,196.22	
26 05 19 16-0830	MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable.....	13,106.09	2,796.14
	<i>For Work In Restricted Working Space, Add</i>	1,398.07	
26 05 19 16-0831	MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable.....	15,876.22	3,268.80
	<i>For Work In Restricted Working Space, Add</i>	1,634.40	

26 05 19 16-0832 Single Conductor Installed On Poles (26 05 19 16-0011)**26 05 19 16-0833 Bare Stranded Conductor (26 05 19 16-0832)**

26 05 19 16-0834	MLF #12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,471.69	498.79
26 05 19 16-0835	MLF #10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,712.36	543.69
26 05 19 16-0836	MLF #8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,954.46	589.12
26 05 19 16-0837	MLF #6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,368.93	634.82
26 05 19 16-0838	MLF #4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,853.68	680.66
26 05 19 16-0839	MLF #2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,040.61	816.42
26 05 19 16-0840	MLF #1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,634.07	906.87
26 05 19 16-0841	MLF 1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	5,276.77	995.69
26 05 19 16-0842	MLF 2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	7,031.48	1,180.96
26 05 19 16-0843	MLF 3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	8,510.58	1,357.78
26 05 19 16-0844	MLF 4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	9,158.53	1,538.84
26 05 19 16-0845	MLF 250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	11,553.53	1,813.60
26 05 19 16-0846	MLF 300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	11,834.27	1,909.09
26 05 19 16-0847	MLF 350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	14,662.54	1,999.27
26 05 19 16-0848	MLF 400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	16,165.93	2,081.29
26 05 19 16-0849	MLF 500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	18,771.15	2,170.11

26 05 19 16-0850 Insulated Stranded Conductor (26 05 19 16-0832)

26 05 19 16-0851	MLF #12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,579.29	498.79
26 05 19 16-0852	MLF #10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,851.20	543.69
26 05 19 16-0853	MLF #8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,228.54	589.12
26 05 19 16-0854	MLF #6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,420.81	634.82
26 05 19 16-0855	MLF #4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,932.83	680.66
26 05 19 16-0856	MLF #2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	3,926.30	816.42
26 05 19 16-0857	MLF #1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,622.66	906.87
26 05 19 16-0858	MLF 1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	5,435.93	995.69
26 05 19 16-0859	MLF 2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	6,542.71	1,180.96
26 05 19 16-0860	MLF 3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	7,829.29	1,357.78
26 05 19 16-0861	MLF 4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	9,211.68	1,538.84
26 05 19 16-0862	MLF 250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	11,228.34	1,813.60
26 05 19 16-0863	MLF 300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	12,695.04	1,909.09
26 05 19 16-0864	MLF 350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	13,894.70	1,999.27
26 05 19 16-0865	MLF 400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	15,529.29	2,081.29
26 05 19 16-0866	MLF 500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	17,417.04	2,170.11

26 05 19 16-0867 Bare Solid Conductor (26 05 19 16-0832)

26 05 19 16-0868	MLF #12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,471.69	498.79
26 05 19 16-0869	MLF #8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,954.46	589.12
26 05 19 16-0870	MLF #6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,368.93	634.82
26 05 19 16-0871	MLF #4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,820.97	680.66

26 05 23 Control-Voltage Electrical Power Cables (26 05)

26 05 23 00-0001 Cable For HVAC System Controls (26 05 23)
 26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt (26 05 23 00-0001)
 Note: For surface or conduit installation.

26 05 23 00-0003	MLF #20/2 Conductor, Low Volt Thermostat Cable	490.40	151.04
26 05 23 00-0004	MLF #20/3 Conductor, Low Volt Thermostat Cable	554.25	159.09
26 05 23 00-0005	MLF #20/4 Conductor, Low Volt Thermostat Cable	598.92	168.21
26 05 23 00-0006	MLF #20/5 Conductor, Low Volt Thermostat Cable	705.98	175.33
26 05 23 00-0007	MLF #20/6 Conductor, Low Volt Thermostat Cable	738.95	183.62
26 05 23 00-0008	MLF #20/7 Conductor, Low Volt Thermostat Cable	809.59	191.25
26 05 23 00-0009	MLF #20/8 Conductor, Low Volt Thermostat Cable	871.47	198.89
26 05 23 00-0010	MLF #20/9 Conductor, Low Volt Thermostat Cable	942.30	206.83
26 05 23 00-0011	MLF #20/10 Conductor, Low Volt Thermostat Cable	1,009.77	213.04
26 05 23 00-0012	MLF #18/2 Conductor, Low Volt Thermostat Cable	527.09	151.04
26 05 23 00-0013	MLF #18/3 Conductor, Low Volt Thermostat Cable	619.71	159.09
26 05 23 00-0014	MLF #18/4 Conductor, Low Volt Thermostat Cable	702.78	168.21
26 05 23 00-0015	MLF #18/5 Conductor, Low Volt Thermostat Cable	748.85	175.33
26 05 23 00-0016	MLF #18/6 Conductor, Low Volt Thermostat Cable	825.07	183.62
26 05 23 00-0017	MLF #18/7 Conductor, Low Volt Thermostat Cable	849.13	191.25
26 05 23 00-0018	MLF #18/8 Conductor, Low Volt Thermostat Cable	931.81	198.89
26 05 23 00-0019	MLF #18/9 Conductor, Low Volt Thermostat Cable	1,087.09	206.83
26 05 23 00-0020	MLF #18/10 Conductor, Low Volt Thermostat Cable	1,188.35	213.04

26 05 26 Grounding and Bonding for Electrical Systems (26 05)

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)
 26 05 26 00-0002 Single Conductor (26 05 26 00-0001)
 26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0004	MLF 12 AWG Copper Bare Single Stranded Conductor	643.53	241.79
26 05 26 00-0005	MLF 10 AWG Copper Bare Single Stranded Conductor	847.78	241.79
26 05 26 00-0006	MLF 8 AWG Copper Bare Single Stranded Conductor	1,053.00	291.26
26 05 26 00-0007	MLF 6 AWG Copper Bare Single Stranded Conductor	1,443.18	291.26
26 05 26 00-0008	MLF 4 AWG Copper Bare Single Stranded Conductor	1,933.27	351.70
26 05 26 00-0009	MLF 2 AWG Copper Bare Single Stranded Conductor	3,033.06	351.70
26 05 26 00-0010	MLF 1 AWG Copper Bare Single Stranded Conductor	3,508.38	423.14
26 05 26 00-0011	MLF 1/0 AWG Copper Bare Single Stranded Conductor	4,114.69	423.14
26 05 26 00-0012	MLF 2/0 AWG Copper Bare Single Stranded Conductor	5,759.21	533.05
26 05 26 00-0013	MLF 3/0 AWG Copper Bare Single Stranded Conductor	7,096.92	533.05
26 05 26 00-0014	MLF 4/0 AWG Copper Bare Single Stranded Conductor	7,533.58	708.91
26 05 26 00-0015	MLF 250 MCM Copper Bare Single Stranded Conductor	9,666.60	708.91
26 05 26 00-0016	MLF 300 MCM Copper Bare Single Stranded Conductor	9,700.80	818.82
26 05 26 00-0017	MLF 350 MCM Copper Bare Single Stranded Conductor	13,060.82	818.82
26 05 26 00-0018	MLF 500 MCM Copper Bare Single Stranded Conductor	17,820.95	1,011.15

26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0020	MLF 12 AWG Copper Insulated Single Stranded Conductor	1,199.21	329.72
26 05 26 00-0021	MLF 10 AWG Copper Insulated Single Stranded Conductor	1,278.64	329.72
26 05 26 00-0022	MLF 8 AWG Copper Insulated Single Stranded Conductor	1,638.30	329.72
26 05 26 00-0023	MLF 6 AWG Copper Insulated Single Stranded Conductor	1,860.62	571.52
26 05 26 00-0024	MLF 4 AWG Copper Insulated Single Stranded Conductor	2,515.02	571.52
26 05 26 00-0025	MLF 2 AWG Copper Insulated Single Stranded Conductor	3,551.45	571.52
26 05 26 00-0026	MLF 1 AWG Copper Insulated Single Stranded Conductor	4,292.75	1,000.16
26 05 26 00-0027	MLF 1/0 AWG Copper Insulated Single Stranded Conductor	5,237.61	1,000.16
26 05 26 00-0028	MLF 2/0 AWG Copper Insulated Single Stranded Conductor	6,139.32	1,000.16
26 05 26 00-0029	MLF 3/0 AWG Copper Insulated Single Stranded Conductor	7,312.94	1,000.16
26 05 26 00-0030	MLF 4/0 AWG Copper Insulated Single Stranded Conductor	8,625.12	1,307.90
26 05 26 00-0031	MLF 250 MCM Copper Insulated Single Stranded Conductor	10,428.93	1,307.90
26 05 26 00-0032	MLF 300 MCM Copper Insulated Single Stranded Conductor	12,147.21	1,307.90
26 05 26 00-0033	MLF 350 MCM Copper Insulated Single Stranded Conductor	14,221.74	2,033.29
26 05 26 00-0034	MLF 500 MCM Copper Insulated Single Stranded Conductor	18,567.36	2,033.29

26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)

26 05 26 00-0036	MLF 12 AWG Copper Bare Single Solid Conductor	643.53	241.79
26 05 26 00-0037	MLF 10 AWG Copper Bare Single Solid Conductor	847.78	241.79
26 05 26 00-0038	MLF 8 AWG Copper Bare Single Solid Conductor	1,053.00	291.26
26 05 26 00-0039	MLF 6 AWG Copper Bare Single Solid Conductor	1,443.18	291.26
26 05 26 00-0040	MLF 4 AWG Copper Bare Single Solid Conductor	1,933.27	351.70
26 05 26 00-0041	MLF 2 AWG Copper Bare Single Solid Conductor	3,033.06	351.70
26 05 26 00-0042	MLF 1/0 AWG Copper Bare Single Solid Conductor	4,114.69	423.14
26 05 26 00-0043	MLF 4/0 AWG Copper Bare Single Solid Conductor	7,533.58	560.52

26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0045	MLF 8 AWG Aluminum Bare Single Stranded Conductor	862.65	291.26
26 05 26 00-0046	MLF 6 AWG Aluminum Bare Single Stranded Conductor	964.43	291.26
26 05 26 00-0047	MLF 4 AWG Aluminum Bare Single Stranded Conductor	1,123.37	351.70
26 05 26 00-0048	MLF 2 AWG Aluminum Bare Single Stranded Conductor	1,453.71	351.70
26 05 26 00-0049	MLF 1 AWG Aluminum Bare Single Stranded Conductor	1,729.44	423.14

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 26 00-0050	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	1,981.77	423.14
26 05 26 00-0051	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	2,276.75	533.05
26 05 26 00-0052	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	2,650.34	533.05
26 05 26 00-0053	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	3,142.33	708.91
26 05 26 00-0054	MLF	250 MCM Aluminum Bare Single Stranded Conductor	3,561.73	708.91
26 05 26 00-0055	MLF	300 MCM Aluminum Bare Single Stranded Conductor	4,357.02	818.82
26 05 26 00-0056	MLF	350 MCM Aluminum Bare Single Stranded Conductor	5,024.68	818.82
26 05 26 00-0057	MLF	500 MCM Aluminum Bare Single Stranded Conductor	5,885.78	1,011.15

26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)

26 05 26 00-0059	MLF	8 AWG Aluminum Bare Single Solid Conductor	862.65	291.26
26 05 26 00-0060	MLF	6 AWG Aluminum Bare Single Solid Conductor	964.43	291.26
26 05 26 00-0061	MLF	4 AWG Aluminum Bare Single Solid Conductor	1,123.37	351.70
26 05 26 00-0062	MLF	2 AWG Aluminum Bare Single Solid Conductor	1,453.71	351.70
26 05 26 00-0063	MLF	1 AWG Aluminum Bare Single Solid Conductor	1,685.08	560.52
26 05 26 00-0064	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	1,981.77	560.52
26 05 26 00-0065	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	2,166.87	533.05
26 05 26 00-0066	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	2,429.09	533.05
26 05 26 00-0067	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	3,142.33	708.91
26 05 26 00-0068	MLF	250 MCM Aluminum Bare Single Solid Conductor	3,561.73	708.91
26 05 26 00-0069	MLF	300 MCM Aluminum Bare Single Solid Conductor	4,357.02	818.82
26 05 26 00-0070	MLF	350 MCM Aluminum Bare Single Solid Conductor	5,024.68	818.82
26 05 26 00-0071	MLF	500 MCM Aluminum Bare Single Solid Conductor	5,885.78	1,011.15

26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)

26 05 26 00-0073	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.08	0.89
26 05 26 00-0074	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.41	0.98
26 05 26 00-0075	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.05	1.13
26 05 26 00-0076	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.08	1.15
26 05 26 00-0077	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	4.28	1.20

26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)

Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.

26 05 26 00-0079	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	149.35	32.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.45	
26 05 26 00-0080	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	257.42	38.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.34	
26 05 26 00-0081	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	329.33	38.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.34	
26 05 26 00-0082	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	400.27	38.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.34	
26 05 26 00-0083	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	346.49	42.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.17	
26 05 26 00-0084	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	449.95	42.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.17	
26 05 26 00-0085	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	539.85	42.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.17	
26 05 26 00-0086	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	450.86	53.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.09	
26 05 26 00-0087	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	542.20	64.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.90	

26 05 26 00-0088 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)

26 05 26 00-0089	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit	199.57	71.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.52	
26 05 26 00-0090	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit	245.86	71.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.87	
26 05 26 00-0091	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit	360.01	110.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.94	
26 05 26 00-0092	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit	531.97	110.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.03	

26 05 26 00-0093 Ground Rods (26 05 26)**26 05 26 00-0094 Copper-Clad Ground Rods (26 05 26 00-0093)**

26 05 26 00-0095	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	107.38	97.24
26 05 26 00-0096	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	111.51	97.24
26 05 26 00-0097	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	128.18	97.24
26 05 26 00-0098	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	126.14	97.24
26 05 26 00-0099	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	131.31	97.24
26 05 26 00-0100	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	152.14	97.24

26 05 26 00-0101 Copper Grounding Shaft (26 05 26 00-0093)

26 05 26 00-0102	EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	373.33	97.24
26 05 26 00-0103	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	464.58	97.24
26 05 26 00-0104	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	721.22	97.24

26 05 26 00-0105 Ground Access Wells (26 05 26 00-0093)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0106 Precast Ground Access Wells (26 05 26 00-0105)		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well.....	297.37	
Note: With cast iron grate.		
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well.....	308.34	
Note: With cast iron grate.		
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well.....	894.33	
Note: With cast iron grate.		
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well.....	905.31	
Note: With cast iron grate.		
26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well	583.24	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well	710.20	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well	1,561.18	
Note: Schedule 40 with cast iron grated cover.		
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well	442.45	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well	535.10	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well	1,396.74	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well.....	254.76	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well	350.17	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well	416.80	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	207.44	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	322.96	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well	483.00	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well.....	665.96	
Note: Schedule 40 with flat steel cover.		
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well.....	462.89	
Note: Schedule 40 with plastic cover.		
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well.....	497.96	
Note: Schedule 40 with plastic cover.		
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well	890.83	
Note: With cast iron cover, heavy-duty.		
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well	1,124.98	
Note: With cast iron cover, heavy-duty.		
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well	495.69	
Note: With cast iron cover, heavy-duty.		
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well	675.89	
Note: With cast iron cover, heavy-duty.		
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well	667.98	
Note: With cast iron cover, heavy-duty.		
26 05 26 00-0132 Polymer Concrete Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well	564.23	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy-Duty Polymer Concrete Ground Access Well.....	618.99	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well	621.73	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy-Duty Polymer Concrete Ground Access Well.....	681.98	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well	681.45	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy-Duty Polymer Concrete Ground Access Well.....	747.70	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well	909.23	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy-Duty Polymer Concrete Ground Access Well.....	999.59	
26 05 26 00-0141 High-Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High-Density Polyethylene (HDPE) Ground Access Well.....	205.56	
Note: With cover.		
26 05 26 00-0143 EA 14" Diameter x 18" Deep High-Density Polyethylene (HDPE) Ground Access Well.....	286.53	
Note: With cover.		
26 05 26 00-0144 Clay Tile Ground Access Wells (26 05 26 00-0105)		
26 05 26 00-0145 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	324.87	
26 05 26 00-0146 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover.....	341.63	
26 05 26 00-0147 EA Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well.....	103.66	
26 05 26 00-0148 Ground Rod Clamps And Fittings (26 05 26)		
26 05 26 00-0149 Bronze Ground Rod Clamp (26 05 26 00-0148)		
26 05 26 00-0150 EA 1/2" Bronze Ground Rod Clamp	25.30	14.65
26 05 26 00-0151 EA 5/8" Bronze Ground Rod Clamp	26.34	14.65
26 05 26 00-0152 EA 3/4" Bronze Ground Rod Clamp	27.82	14.65
26 05 26 00-0153 Bronze Pipe Clamps (26 05 26 00-0148)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 05 26 00-0154	EA	1/2" To 1" Bronze Pipe Ground Clamps.....	34.22		24.38
26 05 26 00-0155	EA	1-1/4" To 2" Bronze Ground Clamps For Pipe.....	42.89		29.17
26 05 26 00-0156	EA	2-1/2" To 3" Bronze Ground Clamps For Pipe.....	60.40		34.10
26 05 26 00-0157	EA	2-1/2" To 4" Bronze Ground Clamps For Pipe.....	74.65		43.82
26 05 26 00-0158	EA	4" To 6" Bronze Ground Clamps For Pipe.....	112.89		63.27
26 05 26 00-0159		Grounding Fittings (26 05 26 00-0148)			
26 05 26 00-0160		Embedded Fittings (26 05 26 00-0159)			
26 05 26 00-0161	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	170.15		
26 05 26 00-0162	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded.....	179.58		
26 05 26 00-0163	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded.....	196.32		
26 05 26 00-0164	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice.....	170.27		
26 05 26 00-0165	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....	204.05		
26 05 26 00-0166	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice.....	239.20		
26 05 26 00-0167	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice.....	269.22		
26 05 26 00-0168		Ground Rod Receptacle (26 05 26 00-0159)			
26 05 26 00-0169	EA	1/2" Ground Rod Receptacle.....	365.89		134.84
26 05 26 00-0170	EA	5/8" Ground Rod Receptacle.....	381.75		138.65
26 05 26 00-0171	EA	3/4" Ground Rod Receptacle.....	398.02		142.41
26 05 26 00-0172		Ground Kits For Circuit Breaker Panels (26 05 26 00-0159)			
26 05 26 00-0173	EA	14-8 AWG Copper Ground Kit.....	82.59		32.42
26 05 26 00-0174	EA	12-8 AWG Aluminum Ground Kit.....	90.50		32.42
26 05 26 00-0175	EA	14-4 AWG Copper Ground Kit.....	90.52		32.42
26 05 26 00-0176	EA	12-4 AWG Aluminum Ground Kit.....	108.47		32.42
26 05 26 00-0177		Insulated Grounding Bars (26 05 26 00-0148)			
26 05 26 00-0178	EA	1/2" x 4" x 10" Insulated Ground Bar.....	334.02		32.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.34		
26 05 26 00-0179	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20".....	349.34		32.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.34		
26 05 26 00-0180		Ground Conductor Bonding (26 05 26)			
26 05 26 00-0181		Ground Conductor Bonding (26 05 26 00-0180)			
26 05 26 00-0182		Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld (26 05 26 00-0181)			
26 05 26 00-0183	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	150.13		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0184	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	163.09		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0185	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	176.06		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0186	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	253.85		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0187		Tee, Wye Or Cross Cadweld (26 05 26 00-0181)			
26 05 26 00-0188	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....	169.58		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0189	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross.....	195.50		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0190	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross.....	240.89		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0191	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....	292.74		
		Note: Includes molds, materials and all necessary tools to make connections.			
26 05 26 00-0192		Grounding Equipment (26 05 26)			
26 05 26 00-0193		Special Grounding Equipment (26 05 26 00-0192)			
26 05 26 00-0194		Ground Reels And Ground Bus (26 05 26 00-0193)			
26 05 26 00-0195	EA	Ground Reel With 50' Of Galvanized Steel Cable.....	741.34		
26 05 26 00-0196		Copper Bars (26 05 26 00-0193)			
26 05 26 00-0197	LF	1/4" x 2" Copper Bar.....	43.51		
26 05 26 00-0198		Phenolic Insulators (26 05 26 00-0193)			
26 05 26 00-0199	EA	2" x 2" x 1" Long Phenolic Insulators.....	33.04		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78		
26 05 26 00-0200		Grounding Studs (26 05 26 00-0193)			
26 05 26 00-0201	EA	Ball Grounding Stud.....	48.00		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.61		

	MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 26 00-0202 Equipment Ground Bar Kits (26 05 26 00-0193)				
26 05 26 00-0203	EA	Switch Rating 30 Ground Bar Kit.....	36.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 26 00-0204	EA	Switch Rating 60 Ground Bar Kit.....	46.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.56	
26 05 26 00-0205	EA	Switch Rating 100 Ground Bar Kit.....	53.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.73	
26 05 26 00-0206	EA	Switch Rating 200 Ground Bar Kit.....	90.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.67	
26 05 26 00-0207 Panelboard Ground Bar Kits (26 05 26 00-0193)				
26 05 26 00-0208	EA	Panelboard Ground Bar Kit.....	127.56	9.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.73	
26 05 26 00-0209 Circuit Breaker Ground Bar Kits (26 05 26 00-0193)				
26 05 26 00-0210	EA	3 Circuit, Ground Bar Kit.....	30.11	5.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84	
26 05 26 00-0211	EA	4 Circuit, Ground Bar Kit.....	29.62	5.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84	
26 05 26 00-0212	EA	7 Circuit, Ground Bar Kit.....	30.44	5.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84	
26 05 26 00-0213	EA	12 Circuit, Ground Bar Kit.....	34.52	6.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 05 26 00-0214	EA	20 Circuit, Ground Bar Kit.....	39.23	7.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.39	
26 05 26 00-0215	EA	24 Circuit, Ground Bar Kit.....	43.31	8.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.17	
26 05 26 00-0216	EA	30 Circuit, Ground Bar Kit.....	48.50	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.33	
26 05 26 00-0217	EA	54 Circuit, Ground Bar Kit.....	56.16	10.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 05 26 00-0218	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	59.87	8.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.17	
26 05 26 00-0219	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	66.38	9.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.33	
26 05 26 00-0220	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	74.20	10.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	

26 05 29 Hangers and Supports for Electrical Systems (26 05)

26 05 29 00-0001 Metal Framing Channel And Fittings (26 05 29)				
See CSI section 05 43 00 00-0001 for additional unistrut fittings.				
26 05 29 00-0002 Metal Framing Channel (26 05 29 00-0001)				
Note: Excludes fasteners and accessories.				
26 05 29 00-0003 Steel Unistrut Channel (26 05 29 00-0002)				
26 05 29 00-0004	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel.....	21.19	7.11
		For Galvanizing, Add	0.98	
		For Powder Coating, Add	0.87	
26 05 29 00-0005	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel.....	30.53	9.47
		For Galvanizing, Add	1.97	
		For Powder Coating, Add	1.74	
26 05 29 00-0006	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel.....	39.87	11.26
		For Galvanizing, Add	2.95	
		For Powder Coating, Add	2.61	
26 05 29 00-0007	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel.....	49.23	13.03
		For Galvanizing, Add	3.94	
		For Powder Coating, Add	3.48	
26 05 29 00-0008	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel.....	11.14	2.68
		For Galvanizing, Add	0.98	
		For Powder Coating, Add	0.87	
26 05 29 00-0009	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	22.98	7.12
		For Galvanizing, Add	1.29	
		For Powder Coating, Add	1.14	
26 05 29 00-0010	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	34.09	9.47
		For Galvanizing, Add	2.57	
		For Powder Coating, Add	2.27	
26 05 29 00-0011	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	45.20	11.26
		For Galvanizing, Add	3.86	
		For Powder Coating, Add	3.41	
26 05 29 00-0012	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	56.33	13.03
		For Galvanizing, Add	5.15	
		For Powder Coating, Add	4.54	
26 05 29 00-0013	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	12.92	2.68
		For Galvanizing, Add	1.29	
		For Powder Coating, Add	1.14	
26 05 29 00-0014	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	24.82	7.12
		For Galvanizing, Add	1.60	
		For Powder Coating, Add	1.41	
26 05 29 00-0015	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	37.77	9.47
		For Galvanizing, Add	3.20	
		For Powder Coating, Add	2.82	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
26 05 29 00-0016	EA >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	50.74		11.26	
	For Galvanizing, Add	4.80			
	For Powder Coating, Add	4.24			
26 05 29 00-0017	EA >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	63.71		13.03	
	For Galvanizing, Add	6.40			
	For Powder Coating, Add	5.65			
26 05 29 00-0018	LF >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	14.76		2.68	
	For Galvanizing, Add	1.60			
	For Powder Coating, Add	1.41			
26 05 29 00-0019	EA Up To 1' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	24.20		7.12	
	For Galvanizing, Add	1.49			
	For Powder Coating, Add	1.32			
26 05 29 00-0020	EA >1' To 2' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	36.52		9.47	
	For Galvanizing, Add	2.99			
	For Powder Coating, Add	2.64			
26 05 29 00-0021	EA >2' To 3' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	48.86		11.26	
	For Galvanizing, Add	4.48			
	For Powder Coating, Add	3.95			
26 05 29 00-0022	EA >3' To 4' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	61.21		13.03	
	For Galvanizing, Add	5.98			
	For Powder Coating, Add	5.27			
26 05 29 00-0023	LF >4' Cut Lengths x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	14.14		2.68	
	For Galvanizing, Add	1.49			
	For Powder Coating, Add	1.32			
26 05 29 00-0024	EA Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	23.79		7.12	
	For Galvanizing, Add	1.42			
	For Powder Coating, Add	1.26			
26 05 29 00-0025	EA >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	35.71		9.47	
	For Galvanizing, Add	2.85			
	For Powder Coating, Add	2.51			
26 05 29 00-0026	EA >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	47.65		11.26	
	For Galvanizing, Add	4.28			
	For Powder Coating, Add	3.77			
26 05 29 00-0027	EA >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	59.59		13.03	
	For Galvanizing, Add	5.70			
	For Powder Coating, Add	5.03			
26 05 29 00-0028	LF >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.73		2.68	
	For Galvanizing, Add	1.42			
	For Powder Coating, Add	1.26			
26 05 29 00-0029	Stainless Steel Unistrut Channel (26 05 29 00-0002)				
26 05 29 00-0030	304 Stainless Steel Unistrut Channel (26 05 29 00-0029)				
26 05 29 00-0031	EA Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	34.48		7.12	
26 05 29 00-0032	EA >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	57.08		9.47	
26 05 29 00-0033	EA >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	79.70		11.26	
26 05 29 00-0034	EA >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	102.33		13.03	
26 05 29 00-0035	LF >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	24.42		2.68	
26 05 29 00-0036	EA Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	37.98		7.12	
26 05 29 00-0037	EA >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	64.09		9.47	
26 05 29 00-0038	EA >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	90.21		11.26	
26 05 29 00-0039	EA >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	116.34		13.03	
26 05 29 00-0040	LF >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	27.92		2.68	
26 05 29 00-0041	EA Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	39.14		7.12	
26 05 29 00-0042	EA >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	66.41		9.47	
26 05 29 00-0043	EA >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	93.68		11.26	
26 05 29 00-0044	EA >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	120.97		13.03	
26 05 29 00-0045	LF >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	29.08		2.68	
26 05 29 00-0046	EA Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	45.18		7.12	
26 05 29 00-0047	EA >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	78.48		9.47	
26 05 29 00-0048	EA >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	111.80		11.26	
26 05 29 00-0049	EA >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	145.12		13.03	
26 05 29 00-0050	LF >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	35.12		2.68	
26 05 29 00-0051	316 Stainless Steel Unistrut Channel (26 05 29 00-0029)				
26 05 29 00-0052	EA Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	49.59		7.12	
26 05 29 00-0053	EA >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	87.31		9.47	
26 05 29 00-0054	EA >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	125.05		11.26	
26 05 29 00-0055	EA >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	162.79		13.03	
26 05 29 00-0056	LF >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	39.53		2.68	
26 05 29 00-0057	Aluminum Unistrut Channel (26 05 29 00-0002)				
26 05 29 00-0058	EA Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	20.15		7.11	
26 05 29 00-0059	EA >1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	28.45		9.47	
26 05 29 00-0060	EA >2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel.....	36.75		11.26	
26 05 29 00-0061	EA >3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	45.06		13.03	
26 05 29 00-0062	LF >4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	10.10		2.68	
26 05 29 00-0063	EA Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel.....	23.25		7.11	
26 05 29 00-0064	EA >1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel.....	34.66		9.47	
26 05 29 00-0065	EA >2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel.....	46.06		11.26	
26 05 29 00-0066	EA >3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel.....	57.48		13.03	
26 05 29 00-0067	LF >4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	13.20		2.68	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	UNIT COST
26 05 29 00-0068		Metal Framing Channel Fittings (26 05 29 00-0061)			
26 05 29 00-0069		Unistrut Channel Closure Strips And Caps (26 05 29 00-0068)			
26 05 29 00-0070		Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0069)			
26 05 29 00-0071	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	7.73		0.65
26 05 29 00-0072	EA	Steel End Cap, Unistrut Channel Fittings	5.77		1.63
26 05 29 00-0073		Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0069)			
26 05 29 00-0074	EA	Stainless Steel End Cap For Unistrut Channel	12.28		1.63
26 05 29 00-0075		Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0068)			
26 05 29 00-0076		Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0075)			
26 05 29 00-0077	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	7.58		
26 05 29 00-0078	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	7.53		
26 05 29 00-0079	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	9.20		
26 05 29 00-0080		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0075)			
26 05 29 00-0081	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	17.21		
26 05 29 00-0082	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	25.43		
26 05 29 00-0083	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	32.38		
26 05 29 00-0084		90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0068)			
26 05 29 00-0085		Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0084)			
26 05 29 00-0086	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	7.33		
26 05 29 00-0087	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.12		
26 05 29 00-0088	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.66		
26 05 29 00-0089	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.51		
26 05 29 00-0090		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0084)			
26 05 29 00-0091	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.02		
26 05 29 00-0092	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	12.43		
26 05 29 00-0093	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	10.60		
26 05 29 00-0094	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	14.89		
26 05 29 00-0095	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	13.64		
26 05 29 00-0096	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	24.86		
26 05 29 00-0097	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	14.32		
26 05 29 00-0098	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	20.61		
26 05 29 00-0099		60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0068)			
26 05 29 00-0100		Steel 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0099)			
26 05 29 00-0101	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	15.31		
26 05 29 00-0102		U-Connector, Unistrut Channel Fittings (26 05 29 00-0068)			
26 05 29 00-0103		Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0102)			
26 05 29 00-0104	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	5.32		
26 05 29 00-0105	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting.....	5.95		
26 05 29 00-0106		Stainless Steel, U-Connector, Unistrut Channel Fittings (26 05 29 00-0102)			
26 05 29 00-0107	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	20.46		
26 05 29 00-0108		Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0068)			
26 05 29 00-0109		Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0108)			
26 05 29 00-0110	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	15.72		
26 05 29 00-0111		Stainless Steel Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0108)			
26 05 29 00-0112	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting.....	39.44		
26 05 29 00-0113		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0068)			
		Note: Includes hex screw and nut.			
26 05 29 00-0114		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel (26 05 29 00-0113)			
		Note: Includes hex screw and nut.			
26 05 29 00-0115	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.68		1.95
26 05 29 00-0116	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.71		1.95
26 05 29 00-0117	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.85		1.95
26 05 29 00-0118	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.35		2.60
26 05 29 00-0119	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.08		2.60
26 05 29 00-0120	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.16		2.60

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0121	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.97	3.24
26 05 29 00-0122	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.61	3.24
26 05 29 00-0123	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.24	3.24
26 05 29 00-0124	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.46	3.24

26 05 29 00-0125 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel

(26 05 29 00-0113)

Note: Includes hex screw and nut.

26 05 29 00-0126	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.30	1.95
26 05 29 00-0127	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	9.21	1.95
26 05 29 00-0128	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.13	1.95
26 05 29 00-0129	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.64	2.60
26 05 29 00-0130	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	15.19	2.60
26 05 29 00-0131	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	15.86	2.60
26 05 29 00-0132	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	19.05	3.24
26 05 29 00-0133	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	21.32	3.24
26 05 29 00-0134	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	22.29	3.24
26 05 29 00-0135	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	25.88	3.24

26 05 29 00-0136 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel

(26 05 29 00-0113)

Note: Includes hex screw and nut.

26 05 29 00-0137	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.86	1.95
26 05 29 00-0138	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.15	1.95
26 05 29 00-0139	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.52	1.95
26 05 29 00-0140	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.82	2.60
26 05 29 00-0141	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	17.27	2.60
26 05 29 00-0142	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	17.50	2.60
26 05 29 00-0143	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	20.77	3.24
26 05 29 00-0144	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	21.92	3.24
26 05 29 00-0145	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	30.12	3.24
26 05 29 00-0146	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	35.13	3.24

26 05 29 00-0147 Beam Clamps, Unistrut Channel Fittings

(26 05 29 00-0068)

26 05 29 00-0148 Steel Beam Clamps, Unistrut Channel Fittings

(26 05 29 00-0147)

26 05 29 00-0149	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting.....	42.48	11.85
26 05 29 00-0150	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings.....	28.02	11.85
26 05 29 00-0151	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting.....	41.02	11.85

26 05 29 00-0152 304 Stainless Steel Beam Clamps, Unistrut Channel Fittings

(26 05 29 00-0147)

26 05 29 00-0153	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting.....	50.83	11.85
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26 05 29 00-0154 Square Washers For Unistrut Channel

(26 05 29 00-0068)

26 05 29 00-0155 Steel Square Washers For Unistrut Channel

(26 05 29 00-0154)

26 05 29 00-0156	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel.....	5.33	
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26 05 29 00-0157 Stainless Steel Square Washers For Unistrut Channel

(26 05 29 00-0154)

26 05 29 00-0158	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel.....	5.10	
26 05 29 00-0159	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel.....	6.35	

26 05 29 00-0160 Strut Braces, Unistrut Channel Fittings

(26 05 29 00-0068)

26 05 29 00-0161	EA	16" Diagonal Steel Bar Brace For Unistrut Channel.....	43.41	
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26 05 29 00-0162 Trolley Hangers, Unistrut Channel Fittings

(26 05 29 00-0068)

26 05 29 00-0163	EA	Steel Trolley Track Hanger For Unistrut Channel.....	53.86	
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26 05 29 00-0164 Lock Nuts With Spring For Unistrut Channel

(26 05 29 00-0068)

Note: Includes hex bolt.

26 05 29 00-0165 Steel Lock Nuts With Spring For Unistrut Channel

(26 05 29 00-0164)

Note: Includes hex bolt.

26 05 29 00-0166	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	8.98	
26 05 29 00-0167	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	9.86	
26 05 29 00-0168	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	10.53	
26 05 29 00-0169	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	14.10	

26 05 29 00-0170 Stainless Steel Lock Nuts With Spring For Unistrut Channel

(26 05 29 00-0164)

Note: Includes hex bolt.

26 05 29 00-0171	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	14.54	
26 05 29 00-0172	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	15.46	
26 05 29 00-0173	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	21.44	
26 05 29 00-0174	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....	35.39	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0175		Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0066) Note: Includes hex bolt.		
26 05 29 00-0176		Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0175) Note: Includes hex bolt.		
26 05 29 00-0177	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	9.01	
26 05 29 00-0178	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	9.99	
26 05 29 00-0179	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	10.58	
26 05 29 00-0180	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	15.13	
26 05 29 00-0181		Stainless Steel Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0175) Note: Includes hex bolt.		
26 05 29 00-0182	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	10.78	
26 05 29 00-0183	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	12.80	
26 05 29 00-0184	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.95	
26 05 29 00-0185	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	34.51	
26 05 29 00-0186		Mounting Assemblies (26 05 29)		
26 05 29 00-0187		Galvanized Steel Mounting Assemblies (26 05 29 00-0186)		
26 05 29 00-0188		Galvanized Steel Back Plate (26 05 29 00-0187)		
26 05 29 00-0189	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted.....	571.55	77.79
26 05 29 00-0190	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted.....	140.31	25.93
26 05 29 00-0191	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted.....	355.36	64.82
26 05 29 00-0192		Aluminum Mounting Assemblies (26 05 29 00-0186)		
26 05 29 00-0193		Aluminum Back Plate (26 05 29 00-0192)		
26 05 29 00-0194	EA	3/16" x 2' x 2' Aluminum Back Plate.....	464.03	97.24
26 05 29 00-0195	EA	3/16" x 4' x 4' Aluminum Back Plate.....	1,317.98	97.24
26 05 29 00-0196		Supports (26 05 29)		
26 05 29 00-0197		One Hole Steel Conduit Straps (26 05 29 00-0196)		
26 05 29 00-0198	EA	1/2", One Hole Steel Conduit Strap.....	4.73	
		For Work In Restricted Working Space, Add.....	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add.....	1.14	
		For >50 To 100, Deduct.....	-0.22	
		For >100 To 250, Deduct.....	-0.44	
		For >250 To 500, Deduct.....	-0.87	
		For >500, Deduct.....	-1.30	
26 05 29 00-0199	EA	3/4", One Hole Steel Conduit Strap.....	4.79	
		For Work In Restricted Working Space, Add.....	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add.....	1.14	
		For >50 To 100, Deduct.....	-0.22	
		For >100 To 250, Deduct.....	-0.45	
		For >250 To 500, Deduct.....	-0.88	
		For >500, Deduct.....	-1.31	
26 05 29 00-0200	EA	1", One Hole Steel Conduit Strap.....	5.09	
		For Work In Restricted Working Space, Add.....	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add.....	1.14	
		For >50 To 100, Deduct.....	-0.23	
		For >100 To 250, Deduct.....	-0.46	
		For >250 To 500, Deduct.....	-0.90	
		For >500, Deduct.....	-1.34	
26 05 29 00-0201	EA	1-1/4", One Hole Steel Conduit Strap.....	5.31	
		For Work In Restricted Working Space, Add.....	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add.....	1.14	
		For >50 To 100, Deduct.....	-0.24	
		For >100 To 250, Deduct.....	-0.47	
		For >250 To 500, Deduct.....	-0.92	
		For >500, Deduct.....	-1.36	
26 05 29 00-0202	EA	1-1/2", One Hole Steel Conduit Strap.....	5.46	
		For Work In Restricted Working Space, Add.....	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add.....	1.14	
		For >50 To 100, Deduct.....	-0.24	
		For >100 To 250, Deduct.....	-0.48	
		For >250 To 500, Deduct.....	-0.93	
		For >500, Deduct.....	-1.38	
26 05 29 00-0203	EA	2", One Hole Steel Conduit Strap.....	6.37	
		For Work In Restricted Working Space, Add.....	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add.....	1.14	
		For >50 To 100, Deduct.....	-0.26	
		For >100 To 250, Deduct.....	-0.53	
		For >250 To 500, Deduct.....	-1.00	
		For >500, Deduct.....	-1.47	
26 05 29 00-0204	EA	2-1/2", One Hole Steel Conduit Strap.....	7.30	
		For Work In Restricted Working Space, Add.....	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add.....	1.14	
		For >50 To 100, Deduct.....	-0.29	
		For >100 To 250, Deduct.....	-0.57	
		For >250 To 500, Deduct.....	-1.07	
		For >500, Deduct.....	-1.56	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0205	EA	3", One Hole Steel Conduit Strap	7.61	
		For Work In Restricted Working Space, Add	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.29	
		For >100 To 250, Deduct	-0.59	
		For >250 To 500, Deduct	-1.09	
		For >500, Deduct	-1.59	
26 05 29 00-0206	EA	3-1/2", One Hole Steel Conduit Strap	9.13	
		For Work In Restricted Working Space, Add	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.33	
		For >100 To 250, Deduct	-0.66	
		For >250 To 500, Deduct	-1.20	
		For >500, Deduct	-1.74	
26 05 29 00-0207	EA	4", One Hole Steel Conduit Strap	10.35	
		For Work In Restricted Working Space, Add	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.36	
		For >100 To 250, Deduct	-0.73	
		For >250 To 500, Deduct	-1.30	
		For >500, Deduct	-1.87	

26 05 29 00-0208 One Hole Iron Conduit Straps (26 05 29 00-0196)

26 05 29 00-0209	EA	1/2", One Hole Iron Conduit Strap	4.88	
		For Work In Restricted Working Space, Add	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.23	
		For >100 To 250, Deduct	-0.45	
		For >250 To 500, Deduct	-0.88	
		For >500, Deduct	-1.32	
26 05 29 00-0210	EA	3/4", One Hole Iron Conduit Strap	5.03	
		For Work In Restricted Working Space, Add	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.23	
		For >100 To 250, Deduct	-0.46	
		For >250 To 500, Deduct	-0.90	
		For >500, Deduct	-1.33	
26 05 29 00-0211	EA	1", One Hole Iron Conduit Strap	5.29	
		For Work In Restricted Working Space, Add	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.24	
		For >100 To 250, Deduct	-0.47	
		For >250 To 500, Deduct	-0.92	
		For >500, Deduct	-1.36	
26 05 29 00-0212	EA	1-1/4", One Hole Iron Conduit Strap	5.92	
		For Work In Restricted Working Space, Add	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.25	
		For >100 To 250, Deduct	-0.50	
		For >250 To 500, Deduct	-0.96	
		For >500, Deduct	-1.42	
26 05 29 00-0213	EA	1-1/2", One Hole Iron Conduit Strap	6.18	
		For Work In Restricted Working Space, Add	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.26	
		For >100 To 250, Deduct	-0.52	
		For >250 To 500, Deduct	-0.98	
		For >500, Deduct	-1.45	
26 05 29 00-0214	EA	2", One Hole Iron Conduit Strap	7.78	
		For Work In Restricted Working Space, Add	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.30	
		For >100 To 250, Deduct	-0.60	
		For >250 To 500, Deduct	-1.10	
		For >500, Deduct	-1.61	
26 05 29 00-0215	EA	2-1/2", One Hole Iron Conduit Strap	11.23	
		For Work In Restricted Working Space, Add	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.38	
		For >100 To 250, Deduct	-0.77	
		For >250 To 500, Deduct	-1.36	
		For >500, Deduct	-1.95	
26 05 29 00-0216	EA	3", One Hole Iron Conduit Strap	14.11	
		For Work In Restricted Working Space, Add	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.46	
		For >100 To 250, Deduct	-0.91	
		For >250 To 500, Deduct	-1.58	
		For >500, Deduct	-2.24	
26 05 29 00-0217	EA	3-1/2", One Hole Iron Conduit Strap	18.32	
		For Work In Restricted Working Space, Add	1.25	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.56	
		For >100 To 250, Deduct	-1.12	
		For >250 To 500, Deduct	-1.89	
		For >500, Deduct	-2.66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0218 EA 4", One Hole Iron Conduit Strap .....35.16		
For Work In Restricted Working Space, Add	1.25	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >50 To 100, Deduct	-0.98	
For >100 To 250, Deduct	-1.97	
For >250 To 500, Deduct	-3.16	
For >500, Deduct	-4.35	
26 05 29 00-0219 EA 5", One Hole Iron Conduit Strap .....44.21		
For Work In Restricted Working Space, Add	1.25	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
For >50 To 100, Deduct	-1.21	
For >100 To 250, Deduct	-2.42	
For >250 To 500, Deduct	-3.83	
For >500, Deduct	-5.25	
 26 05 29 00-0220 Two Hole Steel Conduit Straps (26 05 29 00-0196)		
26 05 29 00-0221 EA 1/2", Two Hole Steel Conduit Strap .....5.48		
For Work In Restricted Working Space, Add	1.40	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.37	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.99	
For >500, Deduct	-1.48	
26 05 29 00-0222 EA 3/4", Two Hole Steel Conduit Strap .....5.58		
For Work In Restricted Working Space, Add	1.40	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.37	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.49	
26 05 29 00-0223 EA 1", Two Hole Steel Conduit Strap .....5.63		
For Work In Restricted Working Space, Add	1.40	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.37	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-1.01	
For >500, Deduct	-1.50	
26 05 29 00-0224 EA 1-1/4", Two Hole Steel Conduit Strap .....5.70		
For Work In Restricted Working Space, Add	1.40	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.37	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-1.01	
For >500, Deduct	-1.50	
26 05 29 00-0225 EA 1-1/2", Two Hole Steel Conduit Strap .....5.75		
For Work In Restricted Working Space, Add	1.40	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.37	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-1.02	
For >500, Deduct	-1.51	
26 05 29 00-0226 EA 2", Two Hole Steel Conduit Strap .....5.88		
For Work In Restricted Working Space, Add	1.40	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.37	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-1.02	
For >500, Deduct	-1.52	
26 05 29 00-0227 EA 2-1/2", Two Hole Steel Conduit Strap .....6.57		
For Work In Restricted Working Space, Add	1.40	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.37	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.08	
For >500, Deduct	-1.59	
26 05 29 00-0228 EA 3", Two Hole Steel Conduit Strap .....6.72		
For Work In Restricted Working Space, Add	1.40	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.37	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.09	
For >500, Deduct	-1.61	
26 05 29 00-0229 EA 3-1/2", Two Hole Steel Conduit Strap .....7.26		
For Work In Restricted Working Space, Add	1.40	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.37	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.13	
For >500, Deduct	-1.66	
26 05 29 00-0230 EA 4", Two Hole Steel Conduit Strap .....7.64		
For Work In Restricted Working Space, Add	1.40	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.37	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.16	
For >500, Deduct	-1.70	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0231	EA	5", Two Hole Steel Conduit Strap	8.13	
		For Work In Restricted Working Space, Add	1.40	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.37	
		For >50 To 100, Deduct	-0.32	
		For >100 To 250, Deduct	-0.64	
		For >250 To 500, Deduct	-1.19	
		For >500, Deduct	-1.75	

26 05 29 00-0232 Clamp Back Spacers (26 05 29 00-0196)

26 05 29 00-0233	EA	1/2" Conduit, Clamp Back Spacer	4.40	
		For Work In Restricted Working Space, Add	0.97	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
		For >50 To 100, Deduct	-0.19	
		For >100 To 250, Deduct	-0.38	
		For >250 To 500, Deduct	-0.74	
		For >500, Deduct	-1.09	
26 05 29 00-0234	EA	3/4" Conduit, Clamp Back Spacer	4.78	
		For Work In Restricted Working Space, Add	0.97	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
		For >50 To 100, Deduct	-0.20	
		For >100 To 250, Deduct	-0.40	
		For >250 To 500, Deduct	-0.76	
		For >500, Deduct	-1.13	
26 05 29 00-0235	EA	1" Conduit, Clamp Back Spacer	5.14	
		For Work In Restricted Working Space, Add	0.97	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
		For >50 To 100, Deduct	-0.21	
		For >100 To 250, Deduct	-0.42	
		For >250 To 500, Deduct	-0.79	
		For >500, Deduct	-1.16	
26 05 29 00-0236	EA	1-1/4" Conduit, Clamp Back Spacer	6.55	
		For Work In Restricted Working Space, Add	0.97	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
		For >50 To 100, Deduct	-0.24	
		For >100 To 250, Deduct	-0.49	
		For >250 To 500, Deduct	-0.90	
		For >500, Deduct	-1.30	
26 05 29 00-0237	EA	1-1/2" Conduit, Clamp Back Spacer	7.68	
		For Work In Restricted Working Space, Add	0.97	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
		For >50 To 100, Deduct	-0.27	
		For >100 To 250, Deduct	-0.55	
		For >250 To 500, Deduct	-0.98	
		For >500, Deduct	-1.42	
26 05 29 00-0238	EA	2" Conduit, Clamp Back Spacer	8.87	
		For Work In Restricted Working Space, Add	0.97	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
		For >50 To 100, Deduct	-0.30	
		For >100 To 250, Deduct	-0.61	
		For >250 To 500, Deduct	-1.07	
		For >500, Deduct	-1.54	
26 05 29 00-0239	EA	2-1/2" Conduit, Clamp Back Spacer	13.70	
		For Work In Restricted Working Space, Add	0.97	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
		For >50 To 100, Deduct	-0.42	
		For >100 To 250, Deduct	-0.85	
		For >250 To 500, Deduct	-1.43	
		For >500, Deduct	-2.02	
26 05 29 00-0240	EA	3" Conduit, Clamp Back Spacer	19.47	
		For Work In Restricted Working Space, Add	0.97	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
		For >50 To 100, Deduct	-0.57	
		For >100 To 250, Deduct	-1.14	
		For >250 To 500, Deduct	-1.87	
		For >500, Deduct	-2.60	
26 05 29 00-0241	EA	3-1/2" Conduit, Clamp Back Spacer	25.08	
		For Work In Restricted Working Space, Add	0.97	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
		For >50 To 100, Deduct	-0.71	
		For >100 To 250, Deduct	-1.42	
		For >250 To 500, Deduct	-2.29	
		For >500, Deduct	-3.16	
26 05 29 00-0242	EA	4" Conduit, Clamp Back Spacer	51.38	
		For Work In Restricted Working Space, Add	0.97	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
		For >50 To 100, Deduct	-1.37	
		For >100 To 250, Deduct	-2.73	
		For >250 To 500, Deduct	-4.26	
		For >500, Deduct	-5.79	
26 05 29 00-0243	EA	5" Conduit, Clamp Back Spacer	95.80	
		For Work In Restricted Working Space, Add	0.97	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.91	
		For >50 To 100, Deduct	-2.48	
		For >100 To 250, Deduct	-4.95	
		For >250 To 500, Deduct	-7.59	
		For >500, Deduct	-10.23	

26 05 29 00-0244 Conduit Clips (26 05 29 00-0196)
 Note: Push in or clip.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0245	EA	1/2" Conduit Clip.....	5.35	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.24	
		For >100 To 250, Deduct	-0.48	
		For >250 To 500, Deduct	-0.92	
		For >500, Deduct	-1.37	
26 05 29 00-0246	EA	3/4" Conduit Clip.....	5.35	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.24	
		For >100 To 250, Deduct	-0.48	
		For >250 To 500, Deduct	-0.92	
		For >500, Deduct	-1.37	
26 05 29 00-0247	EA	1" Conduit Clip.....	5.26	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.24	
		For >100 To 250, Deduct	-0.47	
		For >250 To 500, Deduct	-0.91	
		For >500, Deduct	-1.36	
26 05 29 00-0248	EA	1-1/4" Conduit Clip.....	5.48	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.14	
		For >50 To 100, Deduct	-0.24	
		For >100 To 250, Deduct	-0.48	
		For >250 To 500, Deduct	-0.93	
		For >500, Deduct	-1.38	
26 05 29 00-0249 Bolt And Nut Conduit Clips (26 05 29 00-0196)				
26 05 29 00-0250	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	6.65	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.40	
		For >50 To 100, Deduct	-0.30	
		For >100 To 250, Deduct	-0.59	
		For >250 To 500, Deduct	-1.15	
		For >500, Deduct	-1.70	
26 05 29 00-0251	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B).....	6.88	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.40	
		For >50 To 100, Deduct	-0.30	
		For >100 To 250, Deduct	-0.60	
		For >250 To 500, Deduct	-1.16	
		For >500, Deduct	-1.73	
26 05 29 00-0252	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	7.33	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.48	
		For >50 To 100, Deduct	-0.32	
		For >100 To 250, Deduct	-0.64	
		For >250 To 500, Deduct	-1.24	
		For >500, Deduct	-1.84	
26 05 29 00-0253	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	7.46	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.48	
		For >50 To 100, Deduct	-0.32	
		For >100 To 250, Deduct	-0.65	
		For >250 To 500, Deduct	-1.25	
		For >500, Deduct	-1.85	
26 05 29 00-0254	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B).....	8.34	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.48	
		For >50 To 100, Deduct	-0.35	
		For >100 To 250, Deduct	-0.69	
		For >250 To 500, Deduct	-1.31	
		For >500, Deduct	-1.94	
26 05 29 00-0255	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	9.04	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.56	
		For >50 To 100, Deduct	-0.37	
		For >100 To 250, Deduct	-0.74	
		For >250 To 500, Deduct	-1.41	
		For >500, Deduct	-2.07	
26 05 29 00-0256	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B).....	9.83	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.56	
		For >50 To 100, Deduct	-0.39	
		For >100 To 250, Deduct	-0.78	
		For >250 To 500, Deduct	-1.47	
		For >500, Deduct	-2.15	
26 05 29 00-0257	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B).....	17.89	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.72	
		For >50 To 100, Deduct	-0.61	
		For >100 To 250, Deduct	-1.22	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-3.09	
26 05 29 00-0258 Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0196)				
		Note: Bat wing.		
26 05 29 00-0259	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	3.87	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.88	
		For >50 To 100, Deduct	-0.17	
		For >100 To 250, Deduct	-0.35	
		For >250 To 500, Deduct	-0.68	
		For >500, Deduct	-1.01	
26 05 29 00-0260	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	3.93	
		For Installation On Concrete (Includes Drilling And Fastener), Add	0.88	
		For >50 To 100, Deduct	-0.18	
		For >100 To 250, Deduct	-0.35	
		For >250 To 500, Deduct	-0.68	
		For >500, Deduct	-1.02	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 29 00-0261	EA 1", Conduit Hanger From Flange, Wire Or Rod For Installation On Concrete (Includes Drilling And Fastener), Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	4.11 0.88 -0.18 -0.36 -0.70 -1.04		
26 05 29 00-0262	EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod For Installation On Concrete (Includes Drilling And Fastener), Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	4.55 0.88 -0.19 -0.38 -0.73 -1.08		
26 05 29 00-0263	Beam Flange Clamps (26 05 29 00-0196) Note: For threaded rod, nut not required.			
26 05 29 00-0264	EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	5.73 -0.22 -0.45 -0.83 -1.22		
26 05 29 00-0265	EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	5.61 -0.22 -0.44 -0.83 -1.21		
26 05 29 00-0266	EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	6.30 -0.24 -0.48 -0.88 -1.28		
26 05 29 00-0267	T-Bar Support Clips (26 05 29 00-0196)			
26 05 29 00-0268	EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	9.49 -0.40 -0.80 -1.52 -2.25		
26 05 29 00-0269	EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	8.96 -0.39 -0.77 -1.48 -2.19		
26 05 29 00-0270	EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	3.47 -0.13 -0.25 -0.46 -0.67		
26 05 29 00-0271	EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	29.20 -0.80 -1.59 -2.52 -3.44		
26 05 29 00-0272	Switch And Outlet Box Type Supports (26 05 29 00-0196)			
26 05 29 00-0273	EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	7.14 -0.24 -0.49 -0.86 -1.23		
26 05 29 00-0274	EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	6.02 -0.22 -0.43 -0.78 -1.12		
26 05 29 00-0275	EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	6.98 -0.24 -0.48 -0.85 -1.22		
26 05 29 00-0276	EA Snap On, Switch And Outlet Box Support (Caddy MSF) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	4.43 -0.18 -0.35 -0.66 -0.96		
26 05 29 00-0277	EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	4.63 -0.18 -0.36 -0.67 -0.98		
26 05 29 00-0278	Lighting Fixture Hanger (26 05 29 00-0196) Note: For existing or owner furnished fixtures.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0279	EA		Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515).....	6.28	
			For >50 To 100, Deduct	-0.29	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-1.12	
			For >500, Deduct	-1.67	
26 05 29 00-0280	PR		Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517).....	22.88	
			For >50 To 100, Deduct	-0.70	
			For >100 To 250, Deduct	-1.40	
			For >250 To 500, Deduct	-2.36	
			For >500, Deduct	-3.33	
26 05 29 00-0281	PR		Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520).....	31.60	
			For >50 To 100, Deduct	-0.92	
			For >100 To 250, Deduct	-1.84	
			For >250 To 500, Deduct	-3.02	
			For >500, Deduct	-4.20	
26 05 29 00-0282 Rigid Steel Conduit Clamps For Unistrut Channel (26 05 29 00-0196)					
26 05 29 00-0283	EA		1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.68	
			For >50 To 100, Deduct	-0.24	
			For >100 To 250, Deduct	-0.48	
			For >250 To 500, Deduct	-0.91	
			For >500, Deduct	-1.35	
			For Work In Restricted Working Space, Add	1.17	
26 05 29 00-0284	EA		3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.71	
			For >50 To 100, Deduct	-0.24	
			For >100 To 250, Deduct	-0.48	
			For >250 To 500, Deduct	-0.91	
			For >500, Deduct	-1.35	
			For Work In Restricted Working Space, Add	1.17	
26 05 29 00-0285	EA		1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.85	
			For >50 To 100, Deduct	-0.24	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.93	
			For >500, Deduct	-1.36	
			For Work In Restricted Working Space, Add	1.17	
26 05 29 00-0286	EA		1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	7.34	
			For >50 To 100, Deduct	-0.31	
			For >100 To 250, Deduct	-0.63	
			For >250 To 500, Deduct	-1.20	
			For >500, Deduct	-1.77	
			For Work In Restricted Working Space, Add	1.56	
26 05 29 00-0287	EA		1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.07	
			For >50 To 100, Deduct	-0.33	
			For >100 To 250, Deduct	-0.66	
			For >250 To 500, Deduct	-1.25	
			For >500, Deduct	-1.85	
			For Work In Restricted Working Space, Add	1.56	
26 05 29 00-0288	EA		2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.15	
			For >50 To 100, Deduct	-0.33	
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-1.26	
			For >500, Deduct	-1.85	
			For Work In Restricted Working Space, Add	1.56	
26 05 29 00-0289	EA		2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	9.96	
			For >50 To 100, Deduct	-0.41	
			For >100 To 250, Deduct	-0.82	
			For >250 To 500, Deduct	-1.56	
			For >500, Deduct	-2.29	
			For Work In Restricted Working Space, Add	1.94	
26 05 29 00-0290	EA		3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	10.60	
			For >50 To 100, Deduct	-0.43	
			For >100 To 250, Deduct	-0.85	
			For >250 To 500, Deduct	-1.61	
			For >500, Deduct	-2.36	
			For Work In Restricted Working Space, Add	1.94	
26 05 29 00-0291	EA		3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	11.23	
			For >50 To 100, Deduct	-0.44	
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.65	
			For >500, Deduct	-2.42	
			For Work In Restricted Working Space, Add	1.94	
26 05 29 00-0292	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	11.45	
			For >50 To 100, Deduct	-0.45	
			For >100 To 250, Deduct	-0.90	
			For >250 To 500, Deduct	-1.67	
			For >500, Deduct	-2.44	
			For Work In Restricted Working Space, Add	1.94	
26 05 29 00-0293 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel (26 05 29 00-0196)					
26 05 29 00-0294	EA		1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.15	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.95	
			For >500, Deduct	-1.39	
			For Work In Restricted Working Space, Add	1.17	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0295	EA 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.10	
	For >50 To 100, Deduct	-0.25	
	For >100 To 250, Deduct	-0.50	
	For >250 To 500, Deduct	-0.94	
	For >500, Deduct	-1.39	
	For Work In Restricted Working Space, Add	1.17	
26 05 29 00-0296	EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.02	
	For >50 To 100, Deduct	-0.25	
	For >100 To 250, Deduct	-0.50	
	For >250 To 500, Deduct	-0.94	
	For >500, Deduct	-1.38	
	For Work In Restricted Working Space, Add	1.17	
26 05 29 00-0297	EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	7.92	
	For >50 To 100, Deduct	-0.33	
	For >100 To 250, Deduct	-0.66	
	For >250 To 500, Deduct	-1.24	
	For >500, Deduct	-1.83	
	For Work In Restricted Working Space, Add	1.56	
26 05 29 00-0298	EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	9.19	
	For >50 To 100, Deduct	-0.36	
	For >100 To 250, Deduct	-0.72	
	For >250 To 500, Deduct	-1.34	
	For >500, Deduct	-1.96	
	For Work In Restricted Working Space, Add	1.56	
26 05 29 00-0299	EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	9.26	
	For >50 To 100, Deduct	-0.36	
	For >100 To 250, Deduct	-0.72	
	For >250 To 500, Deduct	-1.34	
	For >500, Deduct	-1.96	
	For Work In Restricted Working Space, Add	1.56	

26 05 29 00-0300 "J" Type Conduit Hangers (26 05 29 00-0196)

26 05 29 00-0301	EA 1/2", "J" Type Conduit Hanger (Unistrut J1205)	27.39	
	For >50 To 100, Deduct	-0.91	
	For >100 To 250, Deduct	-1.82	
	For >250 To 500, Deduct	-3.19	
	For >500, Deduct	-4.56	
	For Work In Restricted Working Space, Add	2.72	
26 05 29 00-0302	EA 3/4", "J" Type Conduit Hanger (Unistrut J1207)	27.71	
	For >50 To 100, Deduct	-0.92	
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-3.21	
	For >500, Deduct	-4.59	
	For Work In Restricted Working Space, Add	2.72	
26 05 29 00-0303	EA 1", "J" Type Conduit Hanger (Unistrut J1210)	29.30	
	For >50 To 100, Deduct	-0.99	
	For >100 To 250, Deduct	-1.98	
	For >250 To 500, Deduct	-3.49	
	For >500, Deduct	-5.00	
	For Work In Restricted Working Space, Add	3.11	
26 05 29 00-0304	EA 1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	29.64	
	For >50 To 100, Deduct	-1.00	
	For >100 To 250, Deduct	-2.00	
	For >250 To 500, Deduct	-3.52	
	For >500, Deduct	-5.04	
	For Work In Restricted Working Space, Add	3.11	
26 05 29 00-0305	EA 1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	31.16	
	For >50 To 100, Deduct	-1.07	
	For >100 To 250, Deduct	-2.14	
	For >250 To 500, Deduct	-3.79	
	For >500, Deduct	-5.45	
	For Work In Restricted Working Space, Add	3.50	
26 05 29 00-0306	EA 2", "J" Type Conduit Hanger (Unistrut J1220)	32.46	
	For >50 To 100, Deduct	-1.10	
	For >100 To 250, Deduct	-2.21	
	For >250 To 500, Deduct	-3.89	
	For >500, Deduct	-5.58	
	For Work In Restricted Working Space, Add	3.50	
26 05 29 00-0307	EA 2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	52.35	
	For >50 To 100, Deduct	-1.63	
	For >100 To 250, Deduct	-3.27	
	For >250 To 500, Deduct	-5.55	
	For >500, Deduct	-7.83	
	For Work In Restricted Working Space, Add	3.89	
26 05 29 00-0308	EA 3", "J" Type Conduit Hanger (Unistrut J1230)	55.61	
	For >50 To 100, Deduct	-1.75	
	For >100 To 250, Deduct	-3.49	
	For >250 To 500, Deduct	-5.95	
	For >500, Deduct	-8.41	
	For Work In Restricted Working Space, Add	4.28	
26 05 29 00-0309	EA 3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	59.85	
	For >50 To 100, Deduct	-1.89	
	For >100 To 250, Deduct	-3.77	
	For >250 To 500, Deduct	-6.43	
	For >500, Deduct	-9.10	
	For Work In Restricted Working Space, Add	4.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0310	EA	4", "J" Type Conduit Hanger (Unistrut J1240).....	80.01		
		For >50 To 100, Deduct	-2.39		
		For >100 To 250, Deduct	-4.78		
		For >250 To 500, Deduct	-7.95		
		For >500, Deduct	-11.11		
		For Work In Restricted Working Space, Add	4.67		
26 05 29 00-0311	EA	5", "J" Type Conduit Hanger (Unistrut J1250).....	87.92		
		For >50 To 100, Deduct	-2.62		
		For >100 To 250, Deduct	-5.24		
		For >250 To 500, Deduct	-8.70		
		For >500, Deduct	-12.16		
		For Work In Restricted Working Space, Add	5.06		
26 05 29 00-0312	EA	6", "J" Type Conduit Hanger (Unistrut J1260).....	124.31		
		For >50 To 100, Deduct	-3.59		
		For >100 To 250, Deduct	-7.19		
		For >250 To 500, Deduct	-11.75		
		For >500, Deduct	-16.32		
		For Work In Restricted Working Space, Add	5.84		
26 05 29 00-0313 Between Studs Box Brackets (26 05 29 00-0196)					
26 05 29 00-0314	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	9.83		
		For >50 To 100, Deduct	-0.34		
		For >100 To 250, Deduct	-0.69		
		For >250 To 500, Deduct	-1.22		
		For >500, Deduct	-1.76		
		For Work In Restricted Working Space, Add	1.17		
26 05 29 00-0315	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	11.88		
		For >50 To 100, Deduct	-0.39		
		For >100 To 250, Deduct	-0.79		
		For >250 To 500, Deduct	-1.38		
		For >500, Deduct	-1.97		
		For Work In Restricted Working Space, Add	1.17		
26 05 29 00-0316 Hangers And Brackets (26 05 29 00-0196)					
26 05 29 00-0317	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	3.38		
		For >50 To 100, Deduct	-0.15		
		For >100 To 250, Deduct	-0.30		
		For >250 To 500, Deduct	-0.58		
		For >500, Deduct	-0.86		
26 05 29 00-0318	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	3.26		
		For >50 To 100, Deduct	-0.15		
		For >100 To 250, Deduct	-0.29		
		For >250 To 500, Deduct	-0.57		
		For >500, Deduct	-0.85		
26 05 29 00-0319	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	3.26		
		For >50 To 100, Deduct	-0.15		
		For >100 To 250, Deduct	-0.29		
		For >250 To 500, Deduct	-0.57		
		For >500, Deduct	-0.85		
26 05 29 00-0320	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	4.49		
		For >50 To 100, Deduct	-0.18		
		For >100 To 250, Deduct	-0.35		
		For >250 To 500, Deduct	-0.66		
		For >500, Deduct	-0.97		
26 05 29 00-0321	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	4.52		
		For >50 To 100, Deduct	-0.18		
		For >100 To 250, Deduct	-0.36		
		For >250 To 500, Deduct	-0.66		
		For >500, Deduct	-0.97		
26 05 29 00-0322	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	4.38		
		For >50 To 100, Deduct	-0.17		
		For >100 To 250, Deduct	-0.35		
		For >250 To 500, Deduct	-0.65		
		For >500, Deduct	-0.96		
26 05 29 00-0323	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	4.49		
		For >50 To 100, Deduct	-0.18		
		For >100 To 250, Deduct	-0.35		
		For >250 To 500, Deduct	-0.66		
		For >500, Deduct	-0.97		
26 05 29 00-0324	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	4.52		
		For >50 To 100, Deduct	-0.18		
		For >100 To 250, Deduct	-0.36		
		For >250 To 500, Deduct	-0.66		
		For >500, Deduct	-0.97		
26 05 29 00-0325 Clips And Accessories (26 05 29 00-0196)					
26 05 29 00-0326	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	2.30		
		For >50 To 100, Deduct	-0.10		
		For >100 To 250, Deduct	-0.20		
		For >250 To 500, Deduct	-0.38		
		For >500, Deduct	-0.55		
26 05 29 00-0327	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	2.35		
		For >50 To 100, Deduct	-0.10		
		For >100 To 250, Deduct	-0.20		
		For >250 To 500, Deduct	-0.38		
		For >500, Deduct	-0.56		

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 UNIT COST UNIT COST

26 05 29 00-0328	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	2.53
		For >50 To 100, Deduct	-0.10
		For >100 To 250, Deduct	-0.21
		For >250 To 500, Deduct	-0.39
		For >500, Deduct	-0.58
26 05 29 00-0329	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	2.92
		For >50 To 100, Deduct	-0.11
		For >100 To 250, Deduct	-0.23
		For >250 To 500, Deduct	-0.42
		For >500, Deduct	-0.62

26 05 29 00-0330 Wire Ties (26 05 29 00-0196)
 Note: Per hundred (C).

26 05 29 00-0331	C	3" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	32.95
		For Up To 0.1, Add	27.06
		For >0.1 To 0.25, Add	13.53
		For >0.25 To 0.75, Add	6.77
		For >2.0, Deduct	-2.71
		For UV Black, Add	0.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12
26 05 29 00-0332	C	4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	33.18
		For Up To 0.1, Add	27.06
		For >0.1 To 0.25, Add	13.53
		For >0.25 To 0.75, Add	6.77
		For >2.0, Deduct	-2.71
		For UV Black, Add	0.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12
26 05 29 00-0333	C	4-3/4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	33.34
		For Up To 0.1, Add	27.06
		For >0.1 To 0.25, Add	13.53
		For >0.25 To 0.75, Add	6.77
		For >2.0, Deduct	-2.71
		For UV Black, Add	0.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12
26 05 29 00-0334	C	5-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	33.41
		For Up To 0.1, Add	27.06
		For >0.1 To 0.25, Add	13.53
		For >0.25 To 0.75, Add	6.77
		For >2.0, Deduct	-2.71
		For UV Black, Add	0.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12
26 05 29 00-0335	C	6-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.65
		For Up To 0.1, Add	28.23
		For >0.1 To 0.25, Add	14.12
		For >0.25 To 0.75, Add	7.06
		For >2.0, Deduct	-2.82
		For UV Black, Add	0.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.47
26 05 29 00-0336	C	8" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	40.91
		For Up To 0.1, Add	29.52
		For >0.1 To 0.25, Add	14.76
		For >0.25 To 0.75, Add	7.38
		For >2.0, Deduct	-2.95
		For UV Black, Add	1.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.86
26 05 29 00-0337	C	4-3/4" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	39.27
		For Up To 0.1, Add	27.06
		For >0.1 To 0.25, Add	13.53
		For >0.25 To 0.75, Add	6.77
		For >2.0, Deduct	-2.71
		For UV Black, Add	1.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12
26 05 29 00-0338	C	6" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	40.54
		For Up To 0.1, Add	28.23
		For >0.1 To 0.25, Add	14.12
		For >0.25 To 0.75, Add	7.06
		For >2.0, Deduct	-2.82
		For UV Black, Add	1.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.47
26 05 29 00-0339	C	8" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	41.89
		For Up To 0.1, Add	29.52
		For >0.1 To 0.25, Add	14.76
		For >0.25 To 0.75, Add	7.38
		For >2.0, Deduct	-2.95
		For UV Black, Add	1.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.86
26 05 29 00-0340	C	10" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	60.36
		For Up To 0.1, Add	31.82
		For >0.1 To 0.25, Add	15.91
		For >0.25 To 0.75, Add	7.96
		For >2.0, Deduct	-3.18
		For UV Black, Add	4.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.55
26 05 29 00-0341	C	11-1/2" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	62.94
		For Up To 0.1, Add	31.82
		For >0.1 To 0.25, Add	15.91
		For >0.25 To 0.75, Add	7.96
		For >2.0, Deduct	-3.18
		For UV Black, Add	4.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0342	C		7" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	43.70	
			For Up To 0.1, Add	29.52	
			For >0.1 To 0.25, Add	14.76	
			For >0.25 To 0.75, Add	7.38	
			For >2.0, Deduct	-2.95	
			For UV Black, Add	2.13	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.86	
26 05 29 00-0343	C		8" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	41.41	
			For Up To 0.1, Add	29.52	
			For >0.1 To 0.25, Add	14.76	
			For >0.25 To 0.75, Add	7.38	
			For >2.0, Deduct	-2.95	
			For UV Black, Add	1.78	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.86	
26 05 29 00-0344	C		11" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	61.07	
			For Up To 0.1, Add	31.82	
			For >0.1 To 0.25, Add	15.91	
			For >0.25 To 0.75, Add	7.96	
			For >2.0, Deduct	-3.18	
			For UV Black, Add	4.39	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.55	
26 05 29 00-0345	C		14-1/2" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	69.77	
			For Up To 0.1, Add	33.81	
			For >0.1 To 0.25, Add	16.91	
			For >0.25 To 0.75, Add	8.45	
			For >2.0, Deduct	-3.38	
			For UV Black, Add	5.39	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.14	
26 05 29 00-0346	C		8" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	68.10	
			For Up To 0.1, Add	29.52	
			For >0.1 To 0.25, Add	14.76	
			For >0.25 To 0.75, Add	7.38	
			For >2.0, Deduct	-2.95	
			For UV Black, Add	5.79	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.86	
26 05 29 00-0347	C		11" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	74.53	
			For Up To 0.1, Add	31.82	
			For >0.1 To 0.25, Add	15.91	
			For >0.25 To 0.75, Add	7.96	
			For >2.0, Deduct	-3.18	
			For UV Black, Add	6.41	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.55	
26 05 29 00-0348	C		15" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	89.99	
			For Up To 0.1, Add	33.81	
			For >0.1 To 0.25, Add	16.91	
			For >0.25 To 0.75, Add	8.45	
			For >2.0, Deduct	-3.38	
			For UV Black, Add	8.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.14	
26 05 29 00-0349	C		17" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	128.12	
			For Up To 0.1, Add	36.07	
			For >0.1 To 0.25, Add	18.04	
			For >0.25 To 0.75, Add	9.02	
			For >2.0, Deduct	-3.61	
			For UV Black, Add	13.81	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.82	
26 05 29 00-0350	C		17-3/4" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	124.19	
			For Up To 0.1, Add	36.07	
			For >0.1 To 0.25, Add	18.04	
			For >0.25 To 0.75, Add	9.02	
			For >2.0, Deduct	-3.61	
			For UV Black, Add	13.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.82	
26 05 29 00-0351	C		21-11/16" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	150.99	
			For Up To 0.1, Add	37.75	
			For >0.1 To 0.25, Add	18.88	
			For >0.25 To 0.75, Add	9.44	
			For >2.0, Deduct	-3.78	
			For UV Black, Add	16.99	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.33	
26 05 29 00-0352	C		30" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	174.56	
			For Up To 0.1, Add	39.59	
			For >0.1 To 0.25, Add	19.80	
			For >0.25 To 0.75, Add	9.90	
			For >2.0, Deduct	-3.96	
			For UV Black, Add	20.25	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.88	
26 05 29 00-0353	C		46" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	238.82	
			For Up To 0.1, Add	42.71	
			For >0.1 To 0.25, Add	21.36	
			For >0.25 To 0.75, Add	10.68	
			For >2.0, Deduct	-4.27	
			For UV Black, Add	29.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.81	
26 05 29 00-0354	C		3/4" x 3/4" Self Adhesive Tie Mounts	43.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.17	
26 05 29 00-0355	C		1.1" x 1.1" Tie Mounts With Screw	86.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.35	
26 05 29 00-0356	EA		6" Length x 1/2" Width, Velcro Grip Cable Tie	2.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.20	

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0357	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	2.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.16	
26 05 29 00-0358	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	3.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.16	
26 05 29 00-0359	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	4.31	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.16	
26 05 29 00-0360	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	110.32	
		Note: Cut to length.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.22	

26 05 29 00-0361 Fastening Devices For Wireway And Conduit (26 05 29)

Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.

26 05 29 00-0362 Toggle Bolts (26 05 29 00-0361)

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0363	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	9.99	
		<i>For >50 To 100, Deduct</i>	-0.96	
		<i>For >100 To 250, Deduct</i>	-1.92	
		<i>For >250 To 500, Deduct</i>	-3.35	
		<i>For >500, Deduct</i>	-4.79	
26 05 29 00-0364	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	10.27	
		<i>For >50 To 100, Deduct</i>	-0.99	
		<i>For >100 To 250, Deduct</i>	-1.97	
		<i>For >250 To 500, Deduct</i>	-3.44	
		<i>For >500, Deduct</i>	-4.91	
26 05 29 00-0365	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	10.79	
		<i>For >50 To 100, Deduct</i>	-1.02	
		<i>For >100 To 250, Deduct</i>	-2.03	
		<i>For >250 To 500, Deduct</i>	-3.55	
		<i>For >500, Deduct</i>	-5.06	
26 05 29 00-0366	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	11.05	
		<i>For >50 To 100, Deduct</i>	-1.04	
		<i>For >100 To 250, Deduct</i>	-2.08	
		<i>For >250 To 500, Deduct</i>	-3.63	
		<i>For >500, Deduct</i>	-5.18	
26 05 29 00-0367	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	11.31	
		<i>For >50 To 100, Deduct</i>	-1.06	
		<i>For >100 To 250, Deduct</i>	-2.13	
		<i>For >250 To 500, Deduct</i>	-3.71	
		<i>For >500, Deduct</i>	-5.30	
26 05 29 00-0368	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	12.68	
		<i>For >50 To 100, Deduct</i>	-1.12	
		<i>For >100 To 250, Deduct</i>	-2.23	
		<i>For >250 To 500, Deduct</i>	-3.89	
		<i>For >500, Deduct</i>	-5.54	
26 05 29 00-0369	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	13.16	
		<i>For >50 To 100, Deduct</i>	-1.15	
		<i>For >100 To 250, Deduct</i>	-2.29	
		<i>For >250 To 500, Deduct</i>	-3.98	
		<i>For >500, Deduct</i>	-5.68	

26 05 29 00-0370 Machine Screws (26 05 29 00-0361)

Note: Includes drilling in concrete, concrete block, wood or steel.

26 05 29 00-0371	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.97	
		<i>For >50 To 100, Deduct</i>	-0.29	
		<i>For >100 To 250, Deduct</i>	-0.58	
		<i>For >250 To 500, Deduct</i>	-1.01	
		<i>For >500, Deduct</i>	-1.45	
26 05 29 00-0372	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.01	
		<i>For >50 To 100, Deduct</i>	-0.29	
		<i>For >100 To 250, Deduct</i>	-0.58	
		<i>For >250 To 500, Deduct</i>	-1.02	
		<i>For >500, Deduct</i>	-1.45	
26 05 29 00-0373	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.77	
		<i>For >50 To 100, Deduct</i>	-0.37	
		<i>For >100 To 250, Deduct</i>	-0.73	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.82	
26 05 29 00-0374	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.92	
		<i>For >50 To 100, Deduct</i>	-0.37	
		<i>For >100 To 250, Deduct</i>	-0.74	
		<i>For >250 To 500, Deduct</i>	-1.29	
		<i>For >500, Deduct</i>	-1.84	
26 05 29 00-0375	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.82	
		<i>For >50 To 100, Deduct</i>	-0.44	
		<i>For >100 To 250, Deduct</i>	-0.89	
		<i>For >250 To 500, Deduct</i>	-1.55	
		<i>For >500, Deduct</i>	-2.21	

26 05 29 00-0376 Hex Lag Bolts With Lag Shield Expansion Anchors (26 05 29 00-0361)

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0377	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.71	
		<i>For >50 To 100, Deduct</i>	-0.39	
		<i>For >100 To 250, Deduct</i>	-0.78	
		<i>For >250 To 500, Deduct</i>	-1.35	
		<i>For >500, Deduct</i>	-1.92	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0378 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.66	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.91	
26 05 29 00-0379 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	6.49	
For >50 To 100, Deduct	-0.49	
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.67	
For >500, Deduct	-2.37	
26 05 29 00-0380 EA 1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	8.23	
For >50 To 100, Deduct	-0.58	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.83	
26 05 29 00-0381 Hanger Lag Bolts With Hex Nuts (26 05 29 00-0361)		
Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0382 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.54	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.06	
For >500, Deduct	-1.51	
26 05 29 00-0383 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.59	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.06	
For >500, Deduct	-1.51	
26 05 29 00-0384 EA 3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.23	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.20	
For >500, Deduct	-1.71	
26 05 29 00-0385 Hollow Wall Screw Anchors (26 05 29 00-0361)		
26 05 29 00-0386 EA 6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.08	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.90	
26 05 29 00-0387 EA 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.14	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.90	
26 05 29 00-0388 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.23	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.91	
26 05 29 00-0389 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.81	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.09	
26 05 29 00-0390 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.94	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.10	
26 05 29 00-0391 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.98	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.10	
26 05 29 00-0392 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.00	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.10	
26 05 29 00-0393 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.18	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.79	
For >500, Deduct	-1.12	
26 05 29 00-0394 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.25	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-1.13	
26 05 29 00-0395 Lead Screw Anchors (26 05 29 00-0361)		
Note: Includes screw.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
26 05 29 00-0396	EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	4.90			
	For >50 To 100, Deduct	-0.45			
	For >100 To 250, Deduct	-0.91			
	For >250 To 500, Deduct	-1.58			
	For >500, Deduct	-2.26			
26 05 29 00-0397	EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.81			
	For >50 To 100, Deduct	-0.53			
	For >100 To 250, Deduct	-1.06			
	For >250 To 500, Deduct	-1.84			
	For >500, Deduct	-2.63			
26 05 29 00-0398	EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	7.81			
	For >50 To 100, Deduct	-0.68			
	For >100 To 250, Deduct	-1.37			
	For >250 To 500, Deduct	-2.37			
	For >500, Deduct	-3.38			
26 05 29 00-0399	Acoustical T-Bar Clips (26 05 29 00-0361)				
	Note: For conduit installation above suspended ceilings up to 15' height.				
26 05 29 00-0400	EA 1/2" Conduit, Push-In Acoustical T-Bar Clip	8.31			
	For >50 To 100, Deduct	-0.62			
	For >100 To 250, Deduct	-1.24			
	For >250 To 500, Deduct	-2.14			
	For >500, Deduct	-3.04			
26 05 29 00-0401	EA 3/4" Conduit, Push-In Acoustical T-Bar Clip	8.71			
	For >50 To 100, Deduct	-0.65			
	For >100 To 250, Deduct	-1.31			
	For >250 To 500, Deduct	-2.25			
	For >500, Deduct	-3.20			
26 05 29 00-0402	EA 1" Conduit, Push-In Acoustical T-Bar Clip	9.50			
	For >50 To 100, Deduct	-0.70			
	For >100 To 250, Deduct	-1.39			
	For >250 To 500, Deduct	-2.40			
	For >500, Deduct	-3.40			
26 05 29 00-0403	Threaded Rod, Accessories And Attachments (26 05 29)				
26 05 29 00-0404	Threaded Rod And Rod Accessories (26 05 29 00-0403)				
26 05 29 00-0405	Carbon Steel Threaded Rod (26 05 29 00-0404)				
	Note: Includes plain finish.				
26 05 29 00-0406	LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.84		0.82	
	For Galvanized, Add	0.88			
	For Zinc Coated, Add	0.63			
26 05 29 00-0407	LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.24		0.87	
	For Galvanized, Add	1.40			
	For Zinc Coated, Add	1.00			
26 05 29 00-0408	LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.24		0.89	
	For Galvanized, Add	2.18			
	For Zinc Coated, Add	1.55			
26 05 29 00-0409	LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.74		0.92	
	For Galvanized, Add	3.96			
	For Zinc Coated, Add	2.82			
26 05 29 00-0410	LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.78		0.95	
	For Galvanized, Add	4.35			
	For Zinc Coated, Add	3.10			
26 05 29 00-0411	LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.44		1.07	
	For Galvanized, Add	6.11			
	For Zinc Coated, Add	4.35			
26 05 29 00-0412	LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.65		1.20	
	For Galvanized, Add	7.70			
	For Zinc Coated, Add	5.49			
26 05 29 00-0413	Threaded Rod Couplings (26 05 29 00-0404)				
26 05 29 00-0414	EA 3/8" Diameter, Threaded Rod Coupling Nut.....	10.19			
26 05 29 00-0415	EA 1/2" Diameter, Threaded Rod Coupling Nut.....	11.53			
26 05 29 00-0416	EA 5/8" Diameter, Threaded Rod Coupling Nut.....	14.22			
26 05 29 00-0417	EA 3/4" Diameter, Threaded Rod Coupling Nut.....	17.12			
26 05 29 00-0418	EA 7/8" Diameter, Threaded Rod Coupling Nut.....	24.46			
26 05 29 00-0419	EA 1" Diameter, Threaded Rod Coupling Nut	28.99			
26 05 29 00-0420	EA 1-1/8" Diameter, Threaded Rod Coupling Nut	53.66			
26 05 29 00-0421	Flat Washers (26 05 29 00-0404)				
26 05 29 00-0422	EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.87		0.32	
	For Galvanized, Add	0.03			
26 05 29 00-0423	EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.10		0.32	
	For Galvanized, Add	0.07			
26 05 29 00-0424	EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.41		0.32	
	For Galvanized, Add	0.14			
26 05 29 00-0425	EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.71		0.65	
	For Galvanized, Add	0.20			
26 05 29 00-0426	EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.91		0.65	
	For Galvanized, Add	0.24			
26 05 29 00-0427	EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.26		0.65	
	For Galvanized, Add	0.30			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0428	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer..... <i>For Galvanized, Add</i>	2.53 0.33	0.65
26 05 29 00-0429 Malleable Iron Eye Sockets (26 05 29 00-0404)				
Note: Type 16.				
26 05 29 00-0430	EA	3/8" Rod Size, Malleable Iron Eye Socket	13.85	
26 05 29 00-0431	EA	1/2" Rod Size, Malleable Iron Eye Socket	16.67	
26 05 29 00-0432	EA	5/8" Rod Size, Malleable Iron Eye Socket	29.74	
26 05 29 00-0433	EA	3/4" Rod Size, Malleable Iron Eye Socket	42.76	
26 05 29 00-0434	EA	7/8" Rod Size, Malleable Iron Eye Socket	45.47	
26 05 29 00-0435 Hex Nuts (26 05 29 00-0404)				
26 05 29 00-0436	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	0.85 0.03	0.32
26 05 29 00-0437	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	1.06 0.06	0.32
26 05 29 00-0438	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	1.41 0.14	0.32
26 05 29 00-0439	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	1.66 0.19	0.65
26 05 29 00-0440	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	2.37 0.36	0.65
26 05 29 00-0441	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	3.01 0.48	0.65
26 05 29 00-0442	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i>	4.85 0.91	0.65
26 05 29 00-0443 Forged Steel Turnbuckles (26 05 29 00-0404)				
Note: Type 13.				
26 05 29 00-0444	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	33.50	
26 05 29 00-0445	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	41.68	
26 05 29 00-0446	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	56.37	
26 05 29 00-0447	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	70.04	
26 05 29 00-0448	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	176.79	
26 05 29 00-0449	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	115.55	
26 05 29 00-0450	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	235.95	
26 05 29 00-0451 Attachments (26 05 29 00-0403)				
26 05 29 00-0452 Welded Beam Attachments (26 05 29 00-0451)				
Note: Type 22.				
26 05 29 00-0453	EA	3/8" Rod Size, Welded Beam Attachment	61.13	12.97
26 05 29 00-0454	EA	1/2" Rod Size, Welded Beam Attachment	65.26	13.62
26 05 29 00-0455	EA	5/8" Rod Size, Welded Beam Attachment	69.50	14.39
26 05 29 00-0456	EA	3/4" Rod Size, Welded Beam Attachment	89.44	15.30
26 05 29 00-0457	EA	7/8" Rod Size, Welded Beam Attachment	107.84	16.20
26 05 29 00-0458	EA	1" Rod Size, Welded Beam Attachment	152.19	18.54
26 05 29 00-0459	EA	1-1/8" Rod Size, Welded Beam Attachment	217.18	19.45
26 05 29 00-0460 C-Clamp Style Beam Clamps (26 05 29 00-0451)				
Note: Type 23. Top or bottom flange mount.				
26 05 29 00-0461	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	20.54	9.74
26 05 29 00-0462	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	24.76	10.39
26 05 29 00-0463	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	28.24	11.13
26 05 29 00-0464	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	36.79	11.98
26 05 29 00-0465	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	54.30	12.99
26 05 29 00-0466 Bottom Mount I-Beam Clamps (26 05 29 00-0451)				
Note: Type 21. For attaching threaded rod centered under beam flanges.				
26 05 29 00-0467	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	59.43	12.99
26 05 29 00-0468	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	88.37	14.17
26 05 29 00-0469	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	127.23	15.59
26 05 29 00-0470	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	152.55	17.31
26 05 29 00-0471	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	374.04	19.48
26 05 29 00-0472 Steel U-Bolts (26 05 29 00-0451)				
Note: Type 24. Includes plate and nuts.				
26 05 29 00-0473	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	16.77	7.79
26 05 29 00-0474	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	18.25	8.20
26 05 29 00-0475	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	19.68	8.65
26 05 29 00-0476	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	22.50	9.16
26 05 29 00-0477	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	23.19	9.74
26 05 29 00-0478	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	24.82	10.39
26 05 29 00-0479	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	36.55	11.13
26 05 29 00-0480	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	40.35	11.98
26 05 29 00-0481	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	49.05	12.99
26 05 29 00-0482 Stainless Steel Threaded Rod (26 05 29 00-0403)				

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0483	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.55	0.65
		<i>For 316 Stainless Steel, Add</i>	0.92	
26 05 29 00-0484	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.29	0.71
		<i>For 316 Stainless Steel, Add</i>	1.56	
26 05 29 00-0485	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.78	0.82
		<i>For 316 Stainless Steel, Add</i>	2.09	
26 05 29 00-0486	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.34	0.83
		<i>For 316 Stainless Steel, Add</i>	3.10	
26 05 29 00-0487	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.17	0.87
		<i>For 316 Stainless Steel, Add</i>	3.82	
26 05 29 00-0488	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.63	0.88
		<i>For 316 Stainless Steel, Add</i>	6.02	
26 05 29 00-0489	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	23.20	0.89
		<i>For 316 Stainless Steel, Add</i>	8.67	
26 05 29 00-0490	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	31.84	0.92
		<i>For 316 Stainless Steel, Add</i>	12.15	
26 05 29 00-0491	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.89	1.07
		<i>For 316 Stainless Steel, Add</i>	15.68	
26 05 29 00-0492	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	86.31	1.29
		<i>For 316 Stainless Steel, Add</i>	33.86	

26 05 29 00-0493 Polyvinyl Chloride (PVC) Coated Supports (26 05 29)

Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.

26 05 29 00-0494 Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0493)**26 05 29 00-0495 Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps** (26 05 29 00-0494)

26 05 29 00-0496	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	67.08	25.93
26 05 29 00-0497	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	72.91	28.27
26 05 29 00-0498	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	77.94	31.11
26 05 29 00-0499	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	93.07	34.62
26 05 29 00-0500	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	107.35	38.90
26 05 29 00-0501	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	127.85	42.79
26 05 29 00-0502	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	139.79	46.68
26 05 29 00-0503	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	153.82	50.56
26 05 29 00-0504	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	162.62	54.45
26 05 29 00-0505	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	175.69	58.34

26 05 29 00-0506 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0494)

26 05 29 00-0507	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	71.68	25.93
26 05 29 00-0508	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	76.03	28.27
26 05 29 00-0509	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	87.29	31.11
26 05 29 00-0510	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	96.39	34.62
26 05 29 00-0511	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	108.63	38.90
26 05 29 00-0512	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	125.65	42.79
26 05 29 00-0513	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	143.95	46.68
26 05 29 00-0514	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	159.34	50.56
26 05 29 00-0515	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	169.55	54.45
26 05 29 00-0516	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	176.61	58.34

26 05 29 00-0517 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0494)

26 05 29 00-0518	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	67.89	25.67
26 05 29 00-0519	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	73.06	28.01
26 05 29 00-0520	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	82.64	31.11
26 05 29 00-0521	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	96.59	34.23
26 05 29 00-0522	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	124.96	38.90
26 05 29 00-0523	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	137.03	42.79

26 05 29 00-0524 Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0493)**26 05 29 00-0525 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** (26 05 29 00-0524)

26 05 29 00-0526	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	7.85	0.78
26 05 29 00-0527	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	8.51	0.78
26 05 29 00-0528	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	12.45	0.78
26 05 29 00-0529	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	15.11	0.78
26 05 29 00-0530	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	19.85	0.78
26 05 29 00-0531	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	29.75	0.78
26 05 29 00-0532	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	39.59	0.78
26 05 29 00-0533	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	52.99	0.78
26 05 29 00-0534	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	93.68	0.78
26 05 29 00-0535	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	99.55	0.78

26 05 29 00-0536 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0524)

26 05 29 00-0537	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	15.49	1.55
26 05 29 00-0538	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	15.56	1.55
26 05 29 00-0539	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	15.96	1.55
26 05 29 00-0540	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	20.01	1.55
26 05 29 00-0541	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	20.56	1.55
26 05 29 00-0542	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	23.55	1.55
26 05 29 00-0543	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	26.46	1.55
26 05 29 00-0544	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	27.65	1.55

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0545	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	29.51	1.55
26 05 29 00-0546	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	31.99	1.55
26 05 29 00-0547		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0493)		
26 05 29 00-0548		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0547)		
26 05 29 00-0549	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.07	1.55
26 05 29 00-0550	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	16.33	1.55
26 05 29 00-0551	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	20.48	1.55
26 05 29 00-0552	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	23.91	1.55
26 05 29 00-0553	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	31.93	1.55
26 05 29 00-0554	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	56.54	1.55
26 05 29 00-0555	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	78.05	1.55
26 05 29 00-0556	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	106.49	1.55
26 05 29 00-0557	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	186.21	1.55
26 05 29 00-0558	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	186.21	1.55
26 05 29 00-0559		Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0493)		
26 05 29 00-0560		Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0559)		
26 05 29 00-0561	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	9.69	1.04
26 05 29 00-0562	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	11.92	1.16
26 05 29 00-0563		Attachments (26 05 29 00-0493)		
26 05 29 00-0564		Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0563)		
26 05 29 00-0565	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	19.81	7.79
26 05 29 00-0566	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	20.49	8.18
26 05 29 00-0567	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	21.58	8.70
26 05 29 00-0568	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	22.96	9.22
26 05 29 00-0569	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	24.45	9.74
26 05 29 00-0570	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	27.39	10.39
26 05 29 00-0571	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	38.91	11.17
26 05 29 00-0572	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	40.87	11.94
26 05 29 00-0573	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	43.59	12.99
26 05 29 00-0574	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	70.08	14.80
26 05 29 00-0575	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	86.66	17.14
26 05 29 00-0576		Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0563)		
26 05 29 00-0577	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	68.57	25.67
26 05 29 00-0578	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	79.54	25.67
26 05 29 00-0579	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	84.06	25.67
26 05 29 00-0580	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	92.56	27.23
26 05 29 00-0581	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	108.27	31.11
26 05 29 00-0582		Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0563)		
		Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0583	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	25.07	8.56
26 05 29 00-0584	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	26.39	9.34
26 05 29 00-0585	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	28.75	10.11
26 05 29 00-0586	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	32.38	11.66
26 05 29 00-0587	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	37.06	13.23
26 05 29 00-0588	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	41.15	14.00
26 05 29 00-0589	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	45.47	15.56
26 05 29 00-0590	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	53.98	17.12
26 05 29 00-0591	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	58.96	17.90
26 05 29 00-0592	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	62.00	19.45
26 05 29 00-0593	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	66.33	21.78
26 05 29 00-0594		Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0493)		
26 05 29 00-0595	LF	A12, Polyvinyl Chloride (PVC) Coated Channel	25.58	3.89
26 05 29 00-0596	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel	45.19	5.44
26 05 29 00-0597	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel	27.29	3.89
26 05 29 00-0598	LF	C14, Polyvinyl Chloride (PVC) Coated Channel	20.32	3.89
26 05 29 00-0599	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel	21.38	3.89
26 05 29 00-0600		Polymer Concrete Pads (26 05 29)		
		Note: Excludes excavation and backfill.		
26 05 29 00-0601		Polymer Concrete, Box Pads (26 05 29 00-0600)		
26 05 29 00-0602	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,419.35	132.50
26 05 29 00-0603	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	1,467.04	132.50
26 05 29 00-0604	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,905.35	132.50
26 05 29 00-0605	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,978.03	132.50
26 05 29 00-0606	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,837.70	132.50
26 05 29 00-0607	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	2,180.90	132.50
26 05 29 00-0608	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	2,444.06	132.50
26 05 29 00-0609	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	2,338.20	165.63
26 05 29 00-0610	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	3,567.76	165.63

26 Electrical**26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 29 00-0611 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....4,803.40 165.63

26 05 29 00-0612 Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0600)
 26 05 29 00-0613 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....678.10 69.24
 26 05 29 00-0614 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....808.40 69.24
 26 05 29 00-0615 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....1,052.96 99.38
 26 05 29 00-0616 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....1,101.39 99.38
 26 05 29 00-0617 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....1,594.36 99.38
 26 05 29 00-0618 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....1,662.88 99.38
 26 05 29 00-0619 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....1,790.55 99.38
 26 05 29 00-0620 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....1,790.55 99.38
 26 05 29 00-0621 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....3,394.45 99.38
 26 05 29 00-0622 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....3,852.11 99.38
26 05 29 00-0623 Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0600)
 26 05 29 00-0624 EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....402.13 69.24
 26 05 29 00-0625 EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....435.62 69.24
 26 05 29 00-0626 EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....466.14 69.24
 26 05 29 00-0627 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....567.49 69.24
 26 05 29 00-0628 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....522.26 69.24
 26 05 29 00-0629 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....543.58 69.24
 26 05 29 00-0630 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....598.83 69.24
 26 05 29 00-0631 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....631.06 69.24
 26 05 29 00-0632 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....738.71 69.24
 26 05 29 00-0633 EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....916.02 69.24
 26 05 29 00-0634 EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....1,356.87 99.38
 26 05 29 00-0635 EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....1,421.67 99.38
 26 05 29 00-0636 EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....1,442.12 99.38
 26 05 29 00-0637 EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....1,578.36 99.38
 26 05 29 00-0638 EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....3,400.60 99.38
 26 05 29 00-0639 EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....4,010.97 99.38
26 05 33 Raceway and Boxes for Electrical Systems (26 05)**26 05 33 13 Conduit for Electrical Systems (26 05 33)****26 05 33 13-0001 Conduit Assemblies With Wire (26 05 33 13)**

Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)

Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0561 for larger copper conductor, 26 05 33 13-0599 for larger EMT conduit.

 26 05 33 13-0003 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor958.93 289.52
 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.
 For Work In Restricted Working Space, Add 248.20
 For 2 #12 THWN Conductor Instead Of THHN, Add 1.91
 26 05 33 13-0004 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor1,049.10 314.40
 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.
 For Work In Restricted Working Space, Add 269.52
 For 3 #12 THWN Conductor Instead Of THHN, Add 2.86
 26 05 33 13-0005 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor1,139.27 339.28
 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.
 For Work In Restricted Working Space, Add 290.84
 For 4 #12 THWN Conductor Instead Of THHN, Add 3.82
 26 05 33 13-0006 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor1,013.66 301.96
 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.
 For Work In Restricted Working Space, Add 258.86
 For 2 #10 THWN Conductor Instead Of THHN, Add 2.86
 26 05 33 13-0007 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor1,125.27 330.98
 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.
 For Work In Restricted Working Space, Add 283.74
 For 3 #10 THWN Conductor Instead Of THHN, Add 4.29
 26 05 33 13-0008 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor1,236.87 360.00
 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.
 For Work In Restricted Working Space, Add 308.61
 For 4 #10 THWN Conductor Instead Of THHN, Add 5.73
 26 05 33 13-0009 CLF 1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor1,136.82 326.84
 Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.
 For Work In Restricted Working Space, Add 280.19
 For 2 #8 THWN Conductor Instead Of THHN, Add 4.99

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0010 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,062.02 267.53 1.91	312.14
26 05 33 13-0011 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,152.19 288.86 2.86	337.02
26 05 33 13-0012 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,242.36 310.18	361.90
26 05 33 13-0013 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,332.53 331.50 4.77	386.78
26 05 33 13-0014 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,116.74 278.19 2.86	324.58
26 05 33 13-0015 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,228.35 303.07 4.29	353.61
26 05 33 13-0016 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,339.97 327.95 5.73	382.63
26 05 33 13-0017 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,451.56 352.82 7.16	411.65
26 05 33 13-0018 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,396.44 331.50 7.49	386.78
26 05 33 13-0019 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,552.99 363.49 9.99	424.09
26 05 33 13-0020 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,397.46 320.84 8.26	374.34
26 05 33 13-0021 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,610.32 359.93 12.38	419.95
26 05 33 13-0022 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,203.50 288.00 1.91	335.96
26 05 33 13-0023 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,293.67 309.32 2.86	360.83
26 05 33 13-0024 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,383.85 330.65	385.71

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,474.02		410.58
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	351.97		
		For 5 #12 THWN Conductor Instead Of THHN, Add	4.77		
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,258.22		348.40
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	298.66		
		For 2 #10 THWN Conductor Instead Of THHN, Add	2.86		
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,369.83		377.42
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	323.54		
		For 3 #10 THWN Conductor Instead Of THHN, Add	4.29		
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,481.45		406.43
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	348.42		
		For 4 #10 THWN Conductor Instead Of THHN, Add	5.73		
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,593.05		435.46
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	373.29		
		For 5 #10 THWN Conductor Instead Of THHN, Add	7.16		
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,537.93		410.58
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	351.97		
		For 3 #8 THWN Conductor Instead Of THHN, Add	7.49		
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,751.80		443.75
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	380.40		
		For 3 #6 THWN Conductor Instead Of THHN, Add	12.38		
26 05 33 13-0032	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,964.67		489.36
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	419.49		
		For 4 #6 THWN Conductor Instead Of THHN, Add	16.51		
26 05 33 13-0033		Rigid Galvanized Steel (RGS) Conduit Assemblies (26 05 33 13-0001)			
		Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0561 for larger copper conductor, 26 05 33 13-0060 for larger RGS conduit.			
26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,266.80		329.55
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	282.46		
		For 2 #12 THWN Conductor Instead Of THHN, Add	1.91		
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,356.96		354.43
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	303.78		
		For 3 #12 THWN Conductor Instead Of THHN, Add	2.86		
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,321.51		341.99
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	293.12		
		For 2 #10 THWN Conductor Instead Of THHN, Add	2.86		
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,433.13		371.02
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	318.00		
		For 3 #10 THWN Conductor Instead Of THHN, Add	4.29		
26 05 33 13-0038	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,444.67		366.87
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	314.44		
		For 2 #8 THWN Conductor Instead Of THHN, Add	4.99		
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,391.93		351.47
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	301.22		
		For 2 #12 THWN Conductor Instead Of THHN, Add	1.91		
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,482.10		376.35
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.			
		For Work In Restricted Working Space, Add	322.55		
		For 3 #12 THWN Conductor Instead Of THHN, Add	2.86		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0041	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add	1,572.27 343.87	401.22
26 05 33 13-0042	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 2 #10 THWN Conductor Instead Of THHN, Add	1,446.65 311.88 2.86	363.91
26 05 33 13-0043	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #10 THWN Conductor Instead Of THHN, Add	1,558.26 336.76 4.29	392.93
26 05 33 13-0044	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #10 THWN Conductor Instead Of THHN, Add	1,669.87 361.64 5.73	421.95
26 05 33 13-0045	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add	1,726.35 365.19 7.49	426.10
26 05 33 13-0046	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #8 THWN Conductor Instead Of THHN, Add	1,882.89 397.17 9.99	463.42
26 05 33 13-0047	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 2 #6 THWN Conductor Instead Of THHN, Add	1,727.38 354.53 8.26	413.66
26 05 33 13-0048	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add	1,940.22 393.62 12.38	459.27
26 05 33 13-0049	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #12 THWN Conductor Instead Of THHN, Add	1,786.98 359.75 2.86	419.71
26 05 33 13-0050	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add	1,877.16 381.08	444.59
26 05 33 13-0051	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 5 #12 THWN Conductor Instead Of THHN, Add	1,967.31 402.40 4.77	469.45
26 05 33 13-0052	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #10 THWN Conductor Instead Of THHN, Add	1,863.14 373.97 4.29	436.29
26 05 33 13-0053	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #10 THWN Conductor Instead Of THHN, Add	1,974.75 398.85 5.73	465.31
26 05 33 13-0054	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 5 #10 THWN Conductor Instead Of THHN, Add	2,086.35 423.72 7.16	494.33
26 05 33 13-0055	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add	2,031.22 402.40 7.49	469.45
26 05 33 13-0056	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add	2,245.11 430.83 12.38	502.62
26 05 33 13-0057	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #6 THWN Conductor Instead Of THHN, Add	2,457.96 469.92 16.51	548.23
26 05 33 13-0058			Conduit (26 05 33 13) Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0059			Conduit Installed Above Grade (26 05 33 13-0058) See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0060	Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit (26 05 33 13-0059)		
	Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0061	Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling (26 05 33 13-0060)		
	Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0062	LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.08	2.61
	For Work In Restricted Working Space, Add	1.96	
	For Elevated Installation >10' To 15', Add	0.65	
	For Elevated Installation >15' To 20', Add	1.30	
	For Elevated Installation >20' To 25', Add	1.63	
	For Elevated Installation >25' To 30', Add	2.28	
	For Elevated Installation >30' To 35', Add	2.61	
	For Elevated Installation >35' To 40', Add	3.26	
	For Elevated Installation >40', Add	3.59	
	For >250 To 500, Deduct	-0.13	
	For >500 To 1,000, Deduct	-0.52	
	For >1,000, Deduct	-0.75	
	For Installation In Metal Stud Wall, Add	0.65	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.63	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.98	
26 05 33 13-0063	LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.74	2.85
	For Work In Restricted Working Space, Add	2.27	
	For Elevated Installation >10' To 15', Add	0.76	
	For Elevated Installation >15' To 20', Add	1.52	
	For Elevated Installation >20' To 25', Add	1.90	
	For Elevated Installation >25' To 30', Add	2.65	
	For Elevated Installation >30' To 35', Add	3.03	
	For Elevated Installation >35' To 40', Add	3.79	
	For Elevated Installation >40', Add	4.17	
	For >250 To 500, Deduct	-0.16	
	For >500 To 1,000, Deduct	-0.62	
	For >1,000, Deduct	-0.88	
	For Installation In Metal Stud Wall, Add	0.76	
	For Installation In Wood Stud Wall (Includes Drilling), Add	1.90	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.14	
26 05 33 13-0064	LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	15.06	3.32
	For Work In Restricted Working Space, Add	3.05	
	For Elevated Installation >10' To 15', Add	1.02	
	For Elevated Installation >15' To 20', Add	2.04	
	For Elevated Installation >20' To 25', Add	2.55	
	For Elevated Installation >25' To 30', Add	3.56	
	For Elevated Installation >30' To 35', Add	4.07	
	For Elevated Installation >35' To 40', Add	5.09	
	For Elevated Installation >40', Add	5.60	
	For >250 To 500, Deduct	-0.24	
	For >500 To 1,000, Deduct	-0.88	
	For >1,000, Deduct	-1.25	
	For Installation In Metal Stud Wall, Add	1.02	
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.55	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.53	
26 05 33 13-0065	LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	17.29	3.79
	For Work In Restricted Working Space, Add	3.23	
	For Elevated Installation >10' To 15', Add	1.08	
	For Elevated Installation >15' To 20', Add	2.16	
	For Elevated Installation >20' To 25', Add	2.70	
	For Elevated Installation >25' To 30', Add	3.77	
	For Elevated Installation >30' To 35', Add	4.31	
	For Elevated Installation >35' To 40', Add	5.39	
	For Elevated Installation >40', Add	5.93	
	For >250 To 500, Deduct	-0.33	
	For >500 To 1,000, Deduct	-1.03	
	For >1,000, Deduct	-1.46	
	For Installation In Metal Stud Wall, Add	1.08	
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.70	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.62	
26 05 33 13-0066	LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	19.83	4.26
	For Work In Restricted Working Space, Add	3.56	
	For Elevated Installation >10' To 15', Add	1.19	
	For Elevated Installation >15' To 20', Add	2.37	
	For Elevated Installation >20' To 25', Add	2.96	
	For Elevated Installation >25' To 30', Add	4.15	
	For Elevated Installation >30' To 35', Add	4.74	
	For Elevated Installation >35' To 40', Add	5.93	
	For Elevated Installation >40', Add	6.52	
	For >250 To 500, Deduct	-0.40	
	For >500 To 1,000, Deduct	-1.19	
	For >1,000, Deduct	-1.69	
	For Installation In Metal Stud Wall, Add	1.19	
	For Installation In Wood Stud Wall (Includes Drilling), Add	2.96	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.78	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0067 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	25.24	5.21
For Work In Restricted Working Space, Add	4.37	
For Elevated Installation >10' To 15', Add	1.46	
For Elevated Installation >15' To 20', Add	2.91	
For Elevated Installation >20' To 25', Add	3.64	
For Elevated Installation >25' To 30', Add	5.10	
For Elevated Installation >30' To 35', Add	5.83	
For Elevated Installation >35' To 40', Add	7.29	
For Elevated Installation >40', Add	8.01	
For >250 To 500, Deduct	-0.53	
For >500 To 1,000, Deduct	-1.53	
For >1,000, Deduct	-2.16	
For Installation In Metal Stud Wall, Add	1.46	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.64	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.19	
26 05 33 13-0068 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	37.47	7.11
For Work In Restricted Working Space, Add	5.94	
For Elevated Installation >10' To 15', Add	1.98	
For Elevated Installation >15' To 20', Add	3.96	
For Elevated Installation >20' To 25', Add	4.95	
For Elevated Installation >25' To 30', Add	6.93	
For Elevated Installation >30' To 35', Add	7.92	
For Elevated Installation >35' To 40', Add	9.90	
For Elevated Installation >40', Add	10.88	
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-2.32	
For >1,000, Deduct	-3.25	
For Installation In Metal Stud Wall, Add	1.98	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.95	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.97	
26 05 33 13-0069 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	49.15	9.47
For Work In Restricted Working Space, Add	8.00	
For Elevated Installation >10' To 15', Add	2.67	
For Elevated Installation >15' To 20', Add	5.33	
For Elevated Installation >20' To 25', Add	6.66	
For Elevated Installation >25' To 30', Add	9.33	
For Elevated Installation >30' To 35', Add	10.66	
For Elevated Installation >35' To 40', Add	13.33	
For Elevated Installation >40', Add	14.66	
For >250 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-3.02	
For >1,000, Deduct	-4.25	
For Installation In Metal Stud Wall, Add	2.67	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.66	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.00	
26 05 33 13-0070 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	59.08	11.85
For Work In Restricted Working Space, Add	9.49	
For Elevated Installation >10' To 15', Add	3.16	
For Elevated Installation >15' To 20', Add	6.33	
For Elevated Installation >20' To 25', Add	7.91	
For Elevated Installation >25' To 30', Add	11.07	
For Elevated Installation >30' To 35', Add	12.65	
For Elevated Installation >35' To 40', Add	15.82	
For Elevated Installation >40', Add	17.40	
For >250 To 500, Deduct	-1.37	
For >500 To 1,000, Deduct	-3.64	
For >1,000, Deduct	-5.12	
For Installation In Metal Stud Wall, Add	3.16	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.91	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.74	
26 05 33 13-0071 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	70.02	14.21
For Work In Restricted Working Space, Add	10.95	
For Elevated Installation >10' To 15', Add	3.65	
For Elevated Installation >15' To 20', Add	7.30	
For Elevated Installation >20' To 25', Add	9.12	
For Elevated Installation >25' To 30', Add	12.77	
For Elevated Installation >30' To 35', Add	14.60	
For Elevated Installation >35' To 40', Add	18.25	
For Elevated Installation >40', Add	20.07	
For >250 To 500, Deduct	-1.68	
For >500 To 1,000, Deduct	-4.34	
For >1,000, Deduct	-6.09	
For Installation In Metal Stud Wall, Add	3.65	
For Installation In Wood Stud Wall (Includes Drilling), Add	9.12	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.47	
26 05 33 13-0072 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	109.75	18.00
For Work In Restricted Working Space, Add	13.51	
For Elevated Installation >10' To 15', Add	4.50	
For Elevated Installation >15' To 20', Add	9.00	
For Elevated Installation >20' To 25', Add	11.26	
For Elevated Installation >25' To 30', Add	15.76	
For Elevated Installation >30' To 35', Add	18.01	
For Elevated Installation >35' To 40', Add	22.51	
For Elevated Installation >40', Add	24.76	
For >250 To 500, Deduct	-3.24	
For >500 To 1,000, Deduct	-7.11	
For >1,000, Deduct	-9.85	
For Installation In Metal Stud Wall, Add	4.50	
For Installation In Wood Stud Wall (Includes Drilling), Add	11.26	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	6.75	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0073	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	147.86	22.74
		<i>For Work In Restricted Working Space, Add</i>	17.06	
		<i>For Elevated Installation >10' To 15', Add</i>	5.69	
		<i>For Elevated Installation >15' To 20', Add</i>	11.37	
		<i>For Elevated Installation >20' To 25', Add</i>	14.22	
		<i>For Elevated Installation >25' To 30', Add</i>	19.90	
		<i>For Elevated Installation >30' To 35', Add</i>	22.75	
		<i>For Elevated Installation >35' To 40', Add</i>	28.44	
		<i>For Elevated Installation >40', Add</i>	31.28	
		<i>For >250 To 500, Deduct</i>	-4.55	
		<i>For >500 To 1,000, Deduct</i>	-9.67	
		<i>For >1,000, Deduct</i>	-13.36	
		<i>For Installation In Metal Stud Wall, Add</i>	5.69	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	14.22	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	8.53	

26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow (26 05 33 13-0060)

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0075	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	35.17	11.73
		<i>For Work In Restricted Working Space, Add</i>	8.82	
		<i>For Elevated Installation >10' To 15', Add</i>	2.94	
		<i>For Elevated Installation >15' To 20', Add</i>	5.88	
		<i>For Elevated Installation >20' To 25', Add</i>	7.35	
		<i>For Elevated Installation >25' To 30', Add</i>	10.29	
		<i>For Elevated Installation >30' To 35', Add</i>	11.76	
		<i>For Elevated Installation >35' To 40', Add</i>	14.71	
		<i>For Elevated Installation >40', Add</i>	16.18	
26 05 33 13-0076	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	44.17	14.57
		<i>For Work In Restricted Working Space, Add</i>	10.97	
		<i>For Elevated Installation >10' To 15', Add</i>	3.66	
		<i>For Elevated Installation >15' To 20', Add</i>	7.31	
		<i>For Elevated Installation >20' To 25', Add</i>	9.14	
		<i>For Elevated Installation >25' To 30', Add</i>	12.80	
		<i>For Elevated Installation >30' To 35', Add</i>	14.63	
		<i>For Elevated Installation >35' To 40', Add</i>	18.29	
		<i>For Elevated Installation >40', Add</i>	20.11	
26 05 33 13-0077	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	56.29	17.89
		<i>For Work In Restricted Working Space, Add</i>	13.38	
		<i>For Elevated Installation >10' To 15', Add</i>	4.46	
		<i>For Elevated Installation >15' To 20', Add</i>	8.92	
		<i>For Elevated Installation >20' To 25', Add</i>	11.15	
		<i>For Elevated Installation >25' To 30', Add</i>	15.61	
		<i>For Elevated Installation >30' To 35', Add</i>	17.84	
		<i>For Elevated Installation >35' To 40', Add</i>	22.30	
		<i>For Elevated Installation >40', Add</i>	24.53	
26 05 33 13-0078	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	71.77	20.73
		<i>For Work In Restricted Working Space, Add</i>	15.53	
		<i>For Elevated Installation >10' To 15', Add</i>	5.18	
		<i>For Elevated Installation >15' To 20', Add</i>	10.36	
		<i>For Elevated Installation >20' To 25', Add</i>	12.95	
		<i>For Elevated Installation >25' To 30', Add</i>	18.12	
		<i>For Elevated Installation >30' To 35', Add</i>	20.71	
		<i>For Elevated Installation >35' To 40', Add</i>	25.89	
		<i>For Elevated Installation >40', Add</i>	28.48	
26 05 33 13-0079	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	83.27	23.81
		<i>For Work In Restricted Working Space, Add</i>	17.83	
		<i>For Elevated Installation >10' To 15', Add</i>	5.94	
		<i>For Elevated Installation >15' To 20', Add</i>	11.89	
		<i>For Elevated Installation >20' To 25', Add</i>	14.86	
		<i>For Elevated Installation >25' To 30', Add</i>	20.80	
		<i>For Elevated Installation >30' To 35', Add</i>	23.77	
		<i>For Elevated Installation >35' To 40', Add</i>	29.72	
		<i>For Elevated Installation >40', Add</i>	32.69	
26 05 33 13-0080	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	98.16	26.18
		<i>For Work In Restricted Working Space, Add</i>	19.61	
		<i>For Elevated Installation >10' To 15', Add</i>	6.54	
		<i>For Elevated Installation >15' To 20', Add</i>	13.08	
		<i>For Elevated Installation >20' To 25', Add</i>	16.35	
		<i>For Elevated Installation >25' To 30', Add</i>	22.88	
		<i>For Elevated Installation >30' To 35', Add</i>	26.15	
		<i>For Elevated Installation >35' To 40', Add</i>	32.69	
		<i>For Elevated Installation >40', Add</i>	35.96	
26 05 33 13-0081	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	140.14	32.70
		<i>For Work In Restricted Working Space, Add</i>	24.52	
		<i>For Elevated Installation >10' To 15', Add</i>	8.17	
		<i>For Elevated Installation >15' To 20', Add</i>	16.35	
		<i>For Elevated Installation >20' To 25', Add</i>	20.43	
		<i>For Elevated Installation >25' To 30', Add</i>	28.61	
		<i>For Elevated Installation >30' To 35', Add</i>	32.69	
		<i>For Elevated Installation >35' To 40', Add</i>	40.87	
		<i>For Elevated Installation >40', Add</i>	44.95	
26 05 33 13-0082	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	198.31	44.55
		<i>For Work In Restricted Working Space, Add</i>	33.40	
		<i>For Elevated Installation >10' To 15', Add</i>	11.13	
		<i>For Elevated Installation >15' To 20', Add</i>	22.27	
		<i>For Elevated Installation >20' To 25', Add</i>	27.84	
		<i>For Elevated Installation >25' To 30', Add</i>	38.97	
		<i>For Elevated Installation >30' To 35', Add</i>	44.54	
		<i>For Elevated Installation >35' To 40', Add</i>	55.67	
		<i>For Elevated Installation >40', Add</i>	61.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0083	EA		3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	261.55	50.23
			For Work In Restricted Working Space, Add	37.68	
			For Elevated Installation >10' To 15', Add	12.56	
			For Elevated Installation >15' To 20', Add	25.12	
			For Elevated Installation >20' To 25', Add	31.40	
			For Elevated Installation >25' To 30', Add	43.96	
			For Elevated Installation >30' To 35', Add	50.24	
			For Elevated Installation >35' To 40', Add	62.80	
			For Elevated Installation >40', Add	69.07	
26 05 33 13-0084	EA		4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	320.13	65.40
			For Work In Restricted Working Space, Add	49.03	
			For Elevated Installation >10' To 15', Add	16.34	
			For Elevated Installation >15' To 20', Add	32.69	
			For Elevated Installation >20' To 25', Add	40.86	
			For Elevated Installation >25' To 30', Add	57.20	
			For Elevated Installation >30' To 35', Add	65.38	
			For Elevated Installation >35' To 40', Add	81.72	
			For Elevated Installation >40', Add	89.89	
26 05 33 13-0085	EA		5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	523.65	106.61
			For Work In Restricted Working Space, Add	79.97	
			For Elevated Installation >10' To 15', Add	26.66	
			For Elevated Installation >15' To 20', Add	53.31	
			For Elevated Installation >20' To 25', Add	66.64	
			For Elevated Installation >25' To 30', Add	93.29	
			For Elevated Installation >30' To 35', Add	106.62	
			For Elevated Installation >35' To 40', Add	133.28	
			For Elevated Installation >40', Add	146.60	
26 05 33 13-0086	EA		6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	787.22	160.16
			For Work In Restricted Working Space, Add	120.11	
			For Elevated Installation >10' To 15', Add	40.04	
			For Elevated Installation >15' To 20', Add	80.07	
			For Elevated Installation >20' To 25', Add	100.09	
			For Elevated Installation >25' To 30', Add	140.13	
			For Elevated Installation >30' To 35', Add	160.15	
			For Elevated Installation >35' To 40', Add	200.19	
			For Elevated Installation >40', Add	220.20	
26 05 33 13-0087 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow (26 05 33 13-0080)					
See CSI section 26 05 33 13-2319 for conduit field bending.					
26 05 33 13-0088	EA		1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	35.17	11.73
			For Work In Restricted Working Space, Add	8.82	
			For Elevated Installation >10' To 15', Add	2.94	
			For Elevated Installation >15' To 20', Add	5.88	
			For Elevated Installation >20' To 25', Add	7.35	
			For Elevated Installation >25' To 30', Add	10.29	
			For Elevated Installation >30' To 35', Add	11.76	
			For Elevated Installation >35' To 40', Add	14.71	
			For Elevated Installation >40', Add	16.18	
26 05 33 13-0089	EA		3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	44.17	14.57
			For Work In Restricted Working Space, Add	10.97	
			For Elevated Installation >10' To 15', Add	3.66	
			For Elevated Installation >15' To 20', Add	7.31	
			For Elevated Installation >20' To 25', Add	9.14	
			For Elevated Installation >25' To 30', Add	12.80	
			For Elevated Installation >30' To 35', Add	14.63	
			For Elevated Installation >35' To 40', Add	18.29	
			For Elevated Installation >40', Add	20.11	
26 05 33 13-0090	EA		1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	56.29	17.89
			For Work In Restricted Working Space, Add	13.38	
			For Elevated Installation >10' To 15', Add	4.46	
			For Elevated Installation >15' To 20', Add	8.92	
			For Elevated Installation >20' To 25', Add	11.15	
			For Elevated Installation >25' To 30', Add	15.61	
			For Elevated Installation >30' To 35', Add	17.64	
			For Elevated Installation >35' To 40', Add	22.30	
			For Elevated Installation >40', Add	24.53	
26 05 33 13-0091	EA		1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	71.77	20.73
			For Work In Restricted Working Space, Add	15.53	
			For Elevated Installation >10' To 15', Add	5.18	
			For Elevated Installation >15' To 20', Add	10.36	
			For Elevated Installation >20' To 25', Add	12.95	
			For Elevated Installation >25' To 30', Add	18.12	
			For Elevated Installation >30' To 35', Add	20.71	
			For Elevated Installation >35' To 40', Add	25.89	
			For Elevated Installation >40', Add	28.48	
26 05 33 13-0092	EA		1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	83.28	23.81
			For Work In Restricted Working Space, Add	17.83	
			For Elevated Installation >10' To 15', Add	5.94	
			For Elevated Installation >15' To 20', Add	11.89	
			For Elevated Installation >20' To 25', Add	14.86	
			For Elevated Installation >25' To 30', Add	20.80	
			For Elevated Installation >30' To 35', Add	23.77	
			For Elevated Installation >35' To 40', Add	29.72	
			For Elevated Installation >40', Add	32.69	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
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 TOTAL DIRECT DEMOLITION
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26 05 33 13-0093	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	98.16	26.18
		For Work In Restricted Working Space, Add	19.61	
		For Elevated Installation >10' To 15', Add	6.54	
		For Elevated Installation >15' To 20', Add	13.08	
		For Elevated Installation >20' To 25', Add	16.35	
		For Elevated Installation >25' To 30', Add	22.88	
		For Elevated Installation >30' To 35', Add	26.15	
		For Elevated Installation >35' To 40', Add	32.69	
		For Elevated Installation >40', Add	35.96	
26 05 33 13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	137.77	32.70
		For Work In Restricted Working Space, Add	24.52	
		For Elevated Installation >10' To 15', Add	8.17	
		For Elevated Installation >15' To 20', Add	16.35	
		For Elevated Installation >20' To 25', Add	20.43	
		For Elevated Installation >25' To 30', Add	28.61	
		For Elevated Installation >30' To 35', Add	32.69	
		For Elevated Installation >35' To 40', Add	40.87	
		For Elevated Installation >40', Add	44.95	
26 05 33 13-0095	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	189.07	44.55
		For Work In Restricted Working Space, Add	33.40	
		For Elevated Installation >10' To 15', Add	11.13	
		For Elevated Installation >15' To 20', Add	22.27	
		For Elevated Installation >20' To 25', Add	27.84	
		For Elevated Installation >25' To 30', Add	38.97	
		For Elevated Installation >30' To 35', Add	44.54	
		For Elevated Installation >35' To 40', Add	55.67	
		For Elevated Installation >40', Add	61.24	
26 05 33 13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	248.56	50.23
		For Work In Restricted Working Space, Add	37.68	
		For Elevated Installation >10' To 15', Add	12.56	
		For Elevated Installation >15' To 20', Add	25.12	
		For Elevated Installation >20' To 25', Add	31.40	
		For Elevated Installation >25' To 30', Add	43.96	
		For Elevated Installation >30' To 35', Add	50.24	
		For Elevated Installation >35' To 40', Add	62.80	
		For Elevated Installation >40', Add	69.07	
26 05 33 13-0097	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	302.85	65.40
		For Work In Restricted Working Space, Add	49.03	
		For Elevated Installation >10' To 15', Add	16.34	
		For Elevated Installation >15' To 20', Add	32.69	
		For Elevated Installation >20' To 25', Add	40.86	
		For Elevated Installation >25' To 30', Add	57.20	
		For Elevated Installation >30' To 35', Add	65.38	
		For Elevated Installation >35' To 40', Add	81.72	
		For Elevated Installation >40', Add	89.89	
26 05 33 13-0098	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	523.65	106.61
		For Work In Restricted Working Space, Add	79.97	
		For Elevated Installation >10' To 15', Add	26.66	
		For Elevated Installation >15' To 20', Add	53.31	
		For Elevated Installation >20' To 25', Add	66.64	
		For Elevated Installation >25' To 30', Add	93.29	
		For Elevated Installation >30' To 35', Add	106.62	
		For Elevated Installation >35' To 40', Add	133.28	
		For Elevated Installation >40', Add	146.60	
26 05 33 13-0099	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	787.22	160.16
		For Work In Restricted Working Space, Add	120.11	
		For Elevated Installation >10' To 15', Add	40.04	
		For Elevated Installation >15' To 20', Add	80.07	
		For Elevated Installation >20' To 25', Add	100.09	
		For Elevated Installation >25' To 30', Add	140.13	
		For Elevated Installation >30' To 35', Add	160.15	
		For Elevated Installation >35' To 40', Add	200.19	
		For Elevated Installation >40', Add	220.20	
26 05 33 13-0100		Rigid Galvanized Steel (RGS) 12" Large Radius Elbow (26 05 33 13-0060)		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0101	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	86.36	29.26
		For Work In Restricted Working Space, Add	17.56	
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
26 05 33 13-0102	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	99.54	33.88
		For Work In Restricted Working Space, Add	20.33	
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0103 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	115.07	38.50
For Work In Restricted Working Space, Add	23.10	
For Elevated Installation >10' To 15', Add	7.70	
For Elevated Installation >15' To 20', Add	15.40	
For Elevated Installation >20' To 25', Add	19.25	
For Elevated Installation >25' To 30', Add	26.95	
For Elevated Installation >30' To 35', Add	30.80	
For Elevated Installation >35' To 40', Add	38.50	
For Elevated Installation >40', Add	42.35	
26 05 33 13-0104 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	129.56	42.35
For Work In Restricted Working Space, Add	25.41	
For Elevated Installation >10' To 15', Add	8.47	
For Elevated Installation >15' To 20', Add	16.94	
For Elevated Installation >20' To 25', Add	21.18	
For Elevated Installation >25' To 30', Add	29.65	
For Elevated Installation >30' To 35', Add	33.88	
For Elevated Installation >35' To 40', Add	42.35	
For Elevated Installation >40', Add	46.59	
26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow (26 05 33 13-0060)		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0106 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	93.59	29.26
For Work In Restricted Working Space, Add	17.56	
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.70	
For Elevated Installation >20' To 25', Add	14.63	
For Elevated Installation >25' To 30', Add	20.48	
For Elevated Installation >30' To 35', Add	23.41	
For Elevated Installation >35' To 40', Add	29.26	
For Elevated Installation >40', Add	32.19	
26 05 33 13-0107 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	108.82	33.88
For Work In Restricted Working Space, Add	20.33	
For Elevated Installation >10' To 15', Add	6.78	
For Elevated Installation >15' To 20', Add	13.55	
For Elevated Installation >20' To 25', Add	16.94	
For Elevated Installation >25' To 30', Add	23.72	
For Elevated Installation >30' To 35', Add	27.10	
For Elevated Installation >35' To 40', Add	33.88	
For Elevated Installation >40', Add	37.27	
26 05 33 13-0108 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	119.30	38.50
For Work In Restricted Working Space, Add	23.10	
For Elevated Installation >10' To 15', Add	7.70	
For Elevated Installation >15' To 20', Add	15.40	
For Elevated Installation >20' To 25', Add	19.25	
For Elevated Installation >25' To 30', Add	26.95	
For Elevated Installation >30' To 35', Add	30.80	
For Elevated Installation >35' To 40', Add	38.50	
For Elevated Installation >40', Add	42.35	
26 05 33 13-0109 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	134.28	42.35
For Work In Restricted Working Space, Add	25.41	
For Elevated Installation >10' To 15', Add	8.47	
For Elevated Installation >15' To 20', Add	16.94	
For Elevated Installation >20' To 25', Add	21.18	
For Elevated Installation >25' To 30', Add	29.65	
For Elevated Installation >30' To 35', Add	33.88	
For Elevated Installation >35' To 40', Add	42.35	
For Elevated Installation >40', Add	46.59	
26 05 33 13-0110 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	178.22	53.13
For Work In Restricted Working Space, Add	31.88	
For Elevated Installation >10' To 15', Add	10.63	
For Elevated Installation >15' To 20', Add	21.25	
For Elevated Installation >20' To 25', Add	26.57	
For Elevated Installation >25' To 30', Add	37.19	
For Elevated Installation >30' To 35', Add	42.50	
For Elevated Installation >35' To 40', Add	53.13	
For Elevated Installation >40', Add	58.44	
26 05 33 13-0111 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	239.93	72.38
For Work In Restricted Working Space, Add	43.43	
For Elevated Installation >10' To 15', Add	14.48	
For Elevated Installation >15' To 20', Add	28.95	
For Elevated Installation >20' To 25', Add	36.19	
For Elevated Installation >25' To 30', Add	50.67	
For Elevated Installation >30' To 35', Add	57.90	
For Elevated Installation >35' To 40', Add	72.38	
For Elevated Installation >40', Add	79.62	
26 05 33 13-0112 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow (26 05 33 13-0060)		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0113 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	93.93	29.26
For Work In Restricted Working Space, Add	17.56	
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.70	
For Elevated Installation >20' To 25', Add	14.63	
For Elevated Installation >25' To 30', Add	20.48	
For Elevated Installation >30' To 35', Add	23.41	
For Elevated Installation >35' To 40', Add	29.26	
For Elevated Installation >40', Add	32.19	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
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26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	107.91	33.88
		For Work In Restricted Working Space, Add	20.33	
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	123.87	38.50
		For Work In Restricted Working Space, Add	23.10	
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	144.51	42.35
		For Work In Restricted Working Space, Add	25.41	
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	187.75	53.13
		For Work In Restricted Working Space, Add	31.88	
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	247.62	72.38
		For Work In Restricted Working Space, Add	43.43	
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	308.63	81.62
		For Work In Restricted Working Space, Add	48.97	
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	374.96	106.26
		For Work In Restricted Working Space, Add	63.75	
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	

26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow (26 05 33 13-0060)

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0122	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	105.44	29.26
		For Work In Restricted Working Space, Add	17.56	
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
26 05 33 13-0123	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	119.20	33.88
		For Work In Restricted Working Space, Add	20.33	
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0124	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	132.33	38.50
		For Work In Restricted Working Space, Add	23.10	
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
26 05 33 13-0125	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	156.98	42.35
		For Work In Restricted Working Space, Add	25.41	
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
26 05 33 13-0126	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	204.76	53.13
		For Work In Restricted Working Space, Add	31.88	
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
26 05 33 13-0127	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	274.28	72.38
		For Work In Restricted Working Space, Add	43.43	
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
26 05 33 13-0128	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	334.55	81.62
		For Work In Restricted Working Space, Add	48.97	
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
26 05 33 13-0129	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	395.63	106.26
		For Work In Restricted Working Space, Add	63.75	
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	
26 05 33 13-0130		Rigid Galvanized Steel (RGS) 30" Large Radius Elbow (26 05 33 13-0060)		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0131	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	104.74	29.26
		For Work In Restricted Working Space, Add	17.56	
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
26 05 33 13-0132	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	127.60	33.88
		For Work In Restricted Working Space, Add	20.33	
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
26 05 33 13-0133	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	141.43	38.50
		For Work In Restricted Working Space, Add	23.10	
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0134	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	168.87	42.35
		For Work In Restricted Working Space, Add	25.41	
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
26 05 33 13-0135	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	221.08	53.13
		For Work In Restricted Working Space, Add	31.88	
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
26 05 33 13-0136	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	295.34	72.38
		For Work In Restricted Working Space, Add	43.43	
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
26 05 33 13-0137	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	360.18	81.62
		For Work In Restricted Working Space, Add	48.97	
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
26 05 33 13-0138	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	433.56	106.26
		For Work In Restricted Working Space, Add	63.75	
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	
26 05 33 13-0139	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	630.43	173.25
		For Work In Restricted Working Space, Add	103.95	
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
26 05 33 13-0140		Rigid Galvanized Steel (RGS) 36" Large Radius Elbow (26 05 33 13-0060)		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0141	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	110.89	29.26
		For Work In Restricted Working Space, Add	17.56	
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
26 05 33 13-0142	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	131.74	33.88
		For Work In Restricted Working Space, Add	20.33	
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
26 05 33 13-0143	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	157.36	38.50
		For Work In Restricted Working Space, Add	23.10	
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0144	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	178.15	42.35
		For Work In Restricted Working Space, Add	25.41	
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
26 05 33 13-0145	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	240.43	53.13
		For Work In Restricted Working Space, Add	31.88	
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
26 05 33 13-0146	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	313.35	72.38
		For Work In Restricted Working Space, Add	43.43	
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
26 05 33 13-0147	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	393.28	81.62
		For Work In Restricted Working Space, Add	48.97	
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
26 05 33 13-0148	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	451.41	106.26
		For Work In Restricted Working Space, Add	63.75	
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	
26 05 33 13-0149	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	776.04	173.25
		For Work In Restricted Working Space, Add	103.95	
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
26 05 33 13-0150	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	992.42	260.26
		For Work In Restricted Working Space, Add	156.16	
		For Elevated Installation >10' To 15', Add	52.05	
		For Elevated Installation >15' To 20', Add	104.10	
		For Elevated Installation >20' To 25', Add	130.13	
		For Elevated Installation >25' To 30', Add	182.18	
		For Elevated Installation >30' To 35', Add	208.21	
		For Elevated Installation >35' To 40', Add	260.26	
		For Elevated Installation >40', Add	286.29	
26 05 33 13-0151		Rigid Galvanized Steel (RGS) 42" Large Radius Elbow (26 05 33 13-0060)		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0152	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	119.90	29.26
		For Work In Restricted Working Space, Add	17.56	
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
26 05 33 13-0153	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	142.74	33.88
		For Work In Restricted Working Space, Add	20.33	
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0154	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	169.06	38.50
		For Work In Restricted Working Space, Add	23.10	
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
26 05 33 13-0155	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	190.38	42.35
		For Work In Restricted Working Space, Add	25.41	
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
26 05 33 13-0156	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	255.23	53.13
		For Work In Restricted Working Space, Add	31.88	
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
26 05 33 13-0157	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	339.73	72.38
		For Work In Restricted Working Space, Add	43.43	
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
26 05 33 13-0158	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	419.74	81.62
		For Work In Restricted Working Space, Add	48.97	
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
26 05 33 13-0159	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	527.55	106.26
		For Work In Restricted Working Space, Add	63.75	
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	
26 05 33 13-0160	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	881.08	173.25
		For Work In Restricted Working Space, Add	103.95	
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
26 05 33 13-0161	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,083.38	260.26
		For Work In Restricted Working Space, Add	156.16	
		For Elevated Installation >10' To 15', Add	52.05	
		For Elevated Installation >15' To 20', Add	104.10	
		For Elevated Installation >20' To 25', Add	130.13	
		For Elevated Installation >25' To 30', Add	182.18	
		For Elevated Installation >30' To 35', Add	208.21	
		For Elevated Installation >35' To 40', Add	260.26	
		For Elevated Installation >40', Add	286.29	

26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow (26 05 33 13-0060)

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0163	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	127.40	29.26
		For Work In Restricted Working Space, Add	17.56	
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0164	EA	1-1/4"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	151.22	33.88
			For Work In Restricted Working Space, Add	20.33	
			For Elevated Installation >10' To 15', Add	6.78	
			For Elevated Installation >15' To 20', Add	13.55	
			For Elevated Installation >20' To 25', Add	16.94	
			For Elevated Installation >25' To 30', Add	23.72	
			For Elevated Installation >30' To 35', Add	27.10	
			For Elevated Installation >35' To 40', Add	33.88	
			For Elevated Installation >40', Add	37.27	
26 05 33 13-0165	EA	1-1/2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	176.45	38.50
			For Work In Restricted Working Space, Add	23.10	
			For Elevated Installation >10' To 15', Add	7.70	
			For Elevated Installation >15' To 20', Add	15.40	
			For Elevated Installation >20' To 25', Add	19.25	
			For Elevated Installation >25' To 30', Add	26.95	
			For Elevated Installation >30' To 35', Add	30.80	
			For Elevated Installation >35' To 40', Add	38.50	
			For Elevated Installation >40', Add	42.35	
26 05 33 13-0166	EA	2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	213.22	42.35
			For Work In Restricted Working Space, Add	25.41	
			For Elevated Installation >10' To 15', Add	8.47	
			For Elevated Installation >15' To 20', Add	16.94	
			For Elevated Installation >20' To 25', Add	21.18	
			For Elevated Installation >25' To 30', Add	29.65	
			For Elevated Installation >30' To 35', Add	33.88	
			For Elevated Installation >35' To 40', Add	42.35	
			For Elevated Installation >40', Add	46.59	
26 05 33 13-0167	EA	2-1/2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	282.53	53.13
			For Work In Restricted Working Space, Add	31.88	
			For Elevated Installation >10' To 15', Add	10.63	
			For Elevated Installation >15' To 20', Add	21.25	
			For Elevated Installation >20' To 25', Add	26.57	
			For Elevated Installation >25' To 30', Add	37.19	
			For Elevated Installation >30' To 35', Add	42.50	
			For Elevated Installation >35' To 40', Add	53.13	
			For Elevated Installation >40', Add	58.44	
26 05 33 13-0168	EA	3"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	366.32	72.38
			For Work In Restricted Working Space, Add	43.43	
			For Elevated Installation >10' To 15', Add	14.48	
			For Elevated Installation >15' To 20', Add	28.95	
			For Elevated Installation >20' To 25', Add	36.19	
			For Elevated Installation >25' To 30', Add	50.67	
			For Elevated Installation >30' To 35', Add	57.90	
			For Elevated Installation >35' To 40', Add	72.38	
			For Elevated Installation >40', Add	79.62	
26 05 33 13-0169	EA	3-1/2"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	453.01	81.62
			For Work In Restricted Working Space, Add	48.97	
			For Elevated Installation >10' To 15', Add	16.32	
			For Elevated Installation >15' To 20', Add	32.65	
			For Elevated Installation >20' To 25', Add	40.81	
			For Elevated Installation >25' To 30', Add	57.13	
			For Elevated Installation >30' To 35', Add	65.30	
			For Elevated Installation >35' To 40', Add	81.62	
			For Elevated Installation >40', Add	89.78	
26 05 33 13-0170	EA	4"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	567.97	106.26
			For Work In Restricted Working Space, Add	63.75	
			For Elevated Installation >10' To 15', Add	21.25	
			For Elevated Installation >15' To 20', Add	42.50	
			For Elevated Installation >20' To 25', Add	53.13	
			For Elevated Installation >25' To 30', Add	74.38	
			For Elevated Installation >30' To 35', Add	85.00	
			For Elevated Installation >35' To 40', Add	106.26	
			For Elevated Installation >40', Add	116.88	
26 05 33 13-0171	EA	5"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	913.97	173.25
			For Work In Restricted Working Space, Add	103.95	
			For Elevated Installation >10' To 15', Add	34.65	
			For Elevated Installation >15' To 20', Add	69.30	
			For Elevated Installation >20' To 25', Add	86.63	
			For Elevated Installation >25' To 30', Add	121.28	
			For Elevated Installation >30' To 35', Add	138.60	
			For Elevated Installation >35' To 40', Add	173.25	
			For Elevated Installation >40', Add	190.58	
26 05 33 13-0172	EA	6"	Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,101.78	260.26
			For Work In Restricted Working Space, Add	156.16	
			For Elevated Installation >10' To 15', Add	52.05	
			For Elevated Installation >15' To 20', Add	104.10	
			For Elevated Installation >20' To 25', Add	130.13	
			For Elevated Installation >25' To 30', Add	182.18	
			For Elevated Installation >30' To 35', Add	208.21	
			For Elevated Installation >35' To 40', Add	260.26	
			For Elevated Installation >40', Add	286.29	

26 05 33 13-0173 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing (26 05 33 13-0060)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0174	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	15.52	7.55
		For Work In Restricted Working Space, Add	4.53	
		For Elevated Installation >10' To 15', Add	1.51	
		For Elevated Installation >15' To 20', Add	3.02	
		For Elevated Installation >20' To 25', Add	3.78	
		For Elevated Installation >25' To 30', Add	5.29	
		For Elevated Installation >30' To 35', Add	6.04	
		For Elevated Installation >35' To 40', Add	7.56	
		For Elevated Installation >40', Add	8.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.53	
26 05 33 13-0175	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	16.65	8.06
		For Work In Restricted Working Space, Add	4.83	
		For Elevated Installation >10' To 15', Add	1.61	
		For Elevated Installation >15' To 20', Add	3.22	
		For Elevated Installation >20' To 25', Add	4.03	
		For Elevated Installation >25' To 30', Add	5.64	
		For Elevated Installation >30' To 35', Add	6.44	
		For Elevated Installation >35' To 40', Add	8.06	
		For Elevated Installation >40', Add	8.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.83	
26 05 33 13-0176	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	18.93	9.06
		For Work In Restricted Working Space, Add	5.44	
		For Elevated Installation >10' To 15', Add	1.81	
		For Elevated Installation >15' To 20', Add	3.62	
		For Elevated Installation >20' To 25', Add	4.53	
		For Elevated Installation >25' To 30', Add	6.34	
		For Elevated Installation >30' To 35', Add	7.25	
		For Elevated Installation >35' To 40', Add	9.06	
		For Elevated Installation >40', Add	9.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.44	
26 05 33 13-0177	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	21.32	10.07
		For Work In Restricted Working Space, Add	6.04	
		For Elevated Installation >10' To 15', Add	2.01	
		For Elevated Installation >15' To 20', Add	4.03	
		For Elevated Installation >20' To 25', Add	5.04	
		For Elevated Installation >25' To 30', Add	7.05	
		For Elevated Installation >30' To 35', Add	8.06	
		For Elevated Installation >35' To 40', Add	10.07	
		For Elevated Installation >40', Add	11.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.04	
26 05 33 13-0178	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	26.78	12.59
		For Work In Restricted Working Space, Add	7.55	
		For Elevated Installation >10' To 15', Add	2.52	
		For Elevated Installation >15' To 20', Add	5.03	
		For Elevated Installation >20' To 25', Add	6.29	
		For Elevated Installation >25' To 30', Add	8.81	
		For Elevated Installation >30' To 35', Add	10.07	
		For Elevated Installation >35' To 40', Add	12.59	
		For Elevated Installation >40', Add	13.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 33 13-0179	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	33.20	15.11
		For Work In Restricted Working Space, Add	9.06	
		For Elevated Installation >10' To 15', Add	3.02	
		For Elevated Installation >15' To 20', Add	6.04	
		For Elevated Installation >20' To 25', Add	7.55	
		For Elevated Installation >25' To 30', Add	10.57	
		For Elevated Installation >30' To 35', Add	12.08	
		For Elevated Installation >35' To 40', Add	15.11	
		For Elevated Installation >40', Add	16.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.06	
26 05 33 13-0180	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	41.84	17.62
		For Work In Restricted Working Space, Add	10.57	
		For Elevated Installation >10' To 15', Add	3.52	
		For Elevated Installation >15' To 20', Add	7.05	
		For Elevated Installation >20' To 25', Add	8.81	
		For Elevated Installation >25' To 30', Add	12.33	
		For Elevated Installation >30' To 35', Add	14.10	
		For Elevated Installation >35' To 40', Add	17.62	
		For Elevated Installation >40', Add	19.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.57	
26 05 33 13-0181	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	47.24	20.14
		For Work In Restricted Working Space, Add	12.08	
		For Elevated Installation >10' To 15', Add	4.03	
		For Elevated Installation >15' To 20', Add	8.06	
		For Elevated Installation >20' To 25', Add	10.07	
		For Elevated Installation >25' To 30', Add	14.10	
		For Elevated Installation >30' To 35', Add	16.11	
		For Elevated Installation >35' To 40', Add	20.14	
		For Elevated Installation >40', Add	22.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.08	
26 05 33 13-0182	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	54.97	18.95
		For Work In Restricted Working Space, Add	13.59	
		For Elevated Installation >10' To 15', Add	4.53	
		For Elevated Installation >15' To 20', Add	9.06	
		For Elevated Installation >20' To 25', Add	11.33	
		For Elevated Installation >25' To 30', Add	15.86	
		For Elevated Installation >30' To 35', Add	18.12	
		For Elevated Installation >35' To 40', Add	22.66	
		For Elevated Installation >40', Add	24.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0183	EA		4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	61.00	25.17
			For Work In Restricted Working Space, Add	15.11	
			For Elevated Installation >10' To 15', Add	5.04	
			For Elevated Installation >15' To 20', Add	10.07	
			For Elevated Installation >20' To 25', Add	12.59	
			For Elevated Installation >25' To 30', Add	17.62	
			For Elevated Installation >30' To 35', Add	20.14	
			For Elevated Installation >35' To 40', Add	25.18	
			For Elevated Installation >40', Add	27.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.11	
26 05 33 13-0184	EA		5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	73.53	27.69
			For Work In Restricted Working Space, Add	16.61	
			For Elevated Installation >10' To 15', Add	5.54	
			For Elevated Installation >15' To 20', Add	11.08	
			For Elevated Installation >20' To 25', Add	13.85	
			For Elevated Installation >25' To 30', Add	19.38	
			For Elevated Installation >30' To 35', Add	22.15	
			For Elevated Installation >35' To 40', Add	27.69	
			For Elevated Installation >40', Add	30.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.61	
26 05 33 13-0185	EA		6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	106.36	30.21
			For Work In Restricted Working Space, Add	18.12	
			For Elevated Installation >10' To 15', Add	6.04	
			For Elevated Installation >15' To 20', Add	12.08	
			For Elevated Installation >20' To 25', Add	15.10	
			For Elevated Installation >25' To 30', Add	21.14	
			For Elevated Installation >30' To 35', Add	24.16	
			For Elevated Installation >35' To 40', Add	30.21	
			For Elevated Installation >40', Add	33.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.12	
26 05 33 13-0186 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0060)					
26 05 33 13-0187	EA		1/2" Rigid Galvanized Steel (RGS) Steel Bushing	18.78	8.88
			For Work In Restricted Working Space, Add	5.33	
			For Elevated Installation >10' To 15', Add	1.78	
			For Elevated Installation >15' To 20', Add	3.55	
			For Elevated Installation >20' To 25', Add	4.44	
			For Elevated Installation >25' To 30', Add	6.22	
			For Elevated Installation >30' To 35', Add	7.11	
			For Elevated Installation >35' To 40', Add	8.89	
			For Elevated Installation >40', Add	9.77	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-0188	EA		3/4" Rigid Galvanized Steel (RGS) Steel Bushing	20.42	9.47
			For Work In Restricted Working Space, Add	5.69	
			For Elevated Installation >10' To 15', Add	1.90	
			For Elevated Installation >15' To 20', Add	3.79	
			For Elevated Installation >20' To 25', Add	4.74	
			For Elevated Installation >25' To 30', Add	6.63	
			For Elevated Installation >30' To 35', Add	7.58	
			For Elevated Installation >35' To 40', Add	9.48	
			For Elevated Installation >40', Add	10.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	
26 05 33 13-0189	EA		1" Rigid Galvanized Steel (RGS) Steel Bushing	23.88	10.67
			For Work In Restricted Working Space, Add	6.40	
			For Elevated Installation >10' To 15', Add	2.13	
			For Elevated Installation >15' To 20', Add	4.26	
			For Elevated Installation >20' To 25', Add	5.33	
			For Elevated Installation >25' To 30', Add	7.46	
			For Elevated Installation >30' To 35', Add	8.53	
			For Elevated Installation >35' To 40', Add	10.66	
			For Elevated Installation >40', Add	11.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 33 13-0190	EA		1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	26.86	11.85
			For Work In Restricted Working Space, Add	7.11	
			For Elevated Installation >10' To 15', Add	2.37	
			For Elevated Installation >15' To 20', Add	4.74	
			For Elevated Installation >20' To 25', Add	5.93	
			For Elevated Installation >25' To 30', Add	8.30	
			For Elevated Installation >30' To 35', Add	9.48	
			For Elevated Installation >35' To 40', Add	11.85	
			For Elevated Installation >40', Add	13.04	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 33 13-0191	EA		1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	34.29	14.81
			For Work In Restricted Working Space, Add	8.88	
			For Elevated Installation >10' To 15', Add	2.96	
			For Elevated Installation >15' To 20', Add	5.92	
			For Elevated Installation >20' To 25', Add	7.40	
			For Elevated Installation >25' To 30', Add	10.36	
			For Elevated Installation >30' To 35', Add	11.84	
			For Elevated Installation >35' To 40', Add	14.81	
			For Elevated Installation >40', Add	16.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0192	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	40.56	17.77
		For Work In Restricted Working Space, Add	10.66	
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.11	
		For Elevated Installation >20' To 25', Add	8.88	
		For Elevated Installation >25' To 30', Add	12.44	
		For Elevated Installation >30' To 35', Add	14.21	
		For Elevated Installation >35' To 40', Add	17.77	
		For Elevated Installation >40', Add	19.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.66	
26 05 33 13-0193	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	57.26	20.73
		For Work In Restricted Working Space, Add	12.44	
		For Elevated Installation >10' To 15', Add	4.15	
		For Elevated Installation >15' To 20', Add	8.29	
		For Elevated Installation >20' To 25', Add	10.37	
		For Elevated Installation >25' To 30', Add	14.51	
		For Elevated Installation >30' To 35', Add	16.58	
		For Elevated Installation >35' To 40', Add	20.73	
		For Elevated Installation >40', Add	22.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.44	
26 05 33 13-0194	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	68.11	23.70
		For Work In Restricted Working Space, Add	14.21	
		For Elevated Installation >10' To 15', Add	4.74	
		For Elevated Installation >15' To 20', Add	9.48	
		For Elevated Installation >20' To 25', Add	11.85	
		For Elevated Installation >25' To 30', Add	16.58	
		For Elevated Installation >30' To 35', Add	18.95	
		For Elevated Installation >35' To 40', Add	23.69	
		For Elevated Installation >40', Add	26.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.21	
26 05 33 13-0195	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	101.72	26.65
		For Work In Restricted Working Space, Add	15.99	
		For Elevated Installation >10' To 15', Add	5.33	
		For Elevated Installation >15' To 20', Add	10.66	
		For Elevated Installation >20' To 25', Add	13.33	
		For Elevated Installation >25' To 30', Add	18.66	
		For Elevated Installation >30' To 35', Add	21.32	
		For Elevated Installation >35' To 40', Add	26.66	
		For Elevated Installation >40', Add	29.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.99	
26 05 33 13-0196	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	137.74	29.61
		For Work In Restricted Working Space, Add	17.77	
		For Elevated Installation >10' To 15', Add	5.92	
		For Elevated Installation >15' To 20', Add	11.85	
		For Elevated Installation >20' To 25', Add	14.81	
		For Elevated Installation >25' To 30', Add	20.73	
		For Elevated Installation >30' To 35', Add	23.69	
		For Elevated Installation >35' To 40', Add	29.62	
		For Elevated Installation >40', Add	32.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-0197	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	184.24	32.58
		For Work In Restricted Working Space, Add	19.55	
		For Elevated Installation >10' To 15', Add	6.52	
		For Elevated Installation >15' To 20', Add	13.03	
		For Elevated Installation >20' To 25', Add	16.29	
		For Elevated Installation >25' To 30', Add	22.80	
		For Elevated Installation >30' To 35', Add	26.06	
		For Elevated Installation >35' To 40', Add	32.58	
		For Elevated Installation >40', Add	35.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.55	
26 05 33 13-0198	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	272.08	35.53
		For Work In Restricted Working Space, Add	21.32	
		For Elevated Installation >10' To 15', Add	7.11	
		For Elevated Installation >15' To 20', Add	14.22	
		For Elevated Installation >20' To 25', Add	17.77	
		For Elevated Installation >25' To 30', Add	24.88	
		For Elevated Installation >30' To 35', Add	28.43	
		For Elevated Installation >35' To 40', Add	35.54	
		For Elevated Installation >40', Add	39.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.32	

26 05 33 13-0199 Rigid Galvanized Steel (RGS) Steel Insulated Bushing (26 05 33 13-0060)

26 05 33 13-0200	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	19.97	8.88
		For Work In Restricted Working Space, Add	5.33	
		For Elevated Installation >10' To 15', Add	1.78	
		For Elevated Installation >15' To 20', Add	3.55	
		For Elevated Installation >20' To 25', Add	4.44	
		For Elevated Installation >25' To 30', Add	6.22	
		For Elevated Installation >30' To 35', Add	7.11	
		For Elevated Installation >35' To 40', Add	8.89	
		For Elevated Installation >40', Add	9.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0201	EA	3/4"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	22.22	9.47
			For Work In Restricted Working Space, Add	5.69	
			For Elevated Installation >10' To 15', Add	1.90	
			For Elevated Installation >15' To 20', Add	3.79	
			For Elevated Installation >20' To 25', Add	4.74	
			For Elevated Installation >25' To 30', Add	6.63	
			For Elevated Installation >30' To 35', Add	7.58	
			For Elevated Installation >35' To 40', Add	9.48	
			For Elevated Installation >40', Add	10.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	
26 05 33 13-0202	EA	1"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	26.14	10.67
			For Work In Restricted Working Space, Add	6.40	
			For Elevated Installation >10' To 15', Add	2.13	
			For Elevated Installation >15' To 20', Add	4.26	
			For Elevated Installation >20' To 25', Add	5.33	
			For Elevated Installation >25' To 30', Add	7.46	
			For Elevated Installation >30' To 35', Add	8.53	
			For Elevated Installation >35' To 40', Add	10.66	
			For Elevated Installation >40', Add	11.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 33 13-0203	EA	1-1/4"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing	30.68	11.85
			For Work In Restricted Working Space, Add	7.11	
			For Elevated Installation >10' To 15', Add	2.37	
			For Elevated Installation >15' To 20', Add	4.74	
			For Elevated Installation >20' To 25', Add	5.93	
			For Elevated Installation >25' To 30', Add	8.30	
			For Elevated Installation >30' To 35', Add	9.48	
			For Elevated Installation >35' To 40', Add	11.85	
			For Elevated Installation >40', Add	13.04	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 33 13-0204	EA	1-1/2"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing	38.26	14.81
			For Work In Restricted Working Space, Add	8.88	
			For Elevated Installation >10' To 15', Add	2.96	
			For Elevated Installation >15' To 20', Add	5.92	
			For Elevated Installation >20' To 25', Add	7.40	
			For Elevated Installation >25' To 30', Add	10.36	
			For Elevated Installation >30' To 35', Add	11.84	
			For Elevated Installation >35' To 40', Add	14.81	
			For Elevated Installation >40', Add	16.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0205	EA	2"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	47.61	17.77
			For Work In Restricted Working Space, Add	10.66	
			For Elevated Installation >10' To 15', Add	3.55	
			For Elevated Installation >15' To 20', Add	7.11	
			For Elevated Installation >20' To 25', Add	8.88	
			For Elevated Installation >25' To 30', Add	12.44	
			For Elevated Installation >30' To 35', Add	14.21	
			For Elevated Installation >35' To 40', Add	17.77	
			For Elevated Installation >40', Add	19.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.66	
26 05 33 13-0206	EA	2-1/2"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing	66.82	20.73
			For Work In Restricted Working Space, Add	12.44	
			For Elevated Installation >10' To 15', Add	4.15	
			For Elevated Installation >15' To 20', Add	8.29	
			For Elevated Installation >20' To 25', Add	10.37	
			For Elevated Installation >25' To 30', Add	14.51	
			For Elevated Installation >30' To 35', Add	16.58	
			For Elevated Installation >35' To 40', Add	20.73	
			For Elevated Installation >40', Add	22.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.44	
26 05 33 13-0207	EA	3"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	79.32	23.70
			For Work In Restricted Working Space, Add	14.21	
			For Elevated Installation >10' To 15', Add	4.74	
			For Elevated Installation >15' To 20', Add	9.48	
			For Elevated Installation >20' To 25', Add	11.85	
			For Elevated Installation >25' To 30', Add	16.58	
			For Elevated Installation >30' To 35', Add	18.95	
			For Elevated Installation >35' To 40', Add	23.69	
			For Elevated Installation >40', Add	26.06	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.21	
26 05 33 13-0208	EA	3-1/2"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing	103.81	26.65
			For Work In Restricted Working Space, Add	15.99	
			For Elevated Installation >10' To 15', Add	5.33	
			For Elevated Installation >15' To 20', Add	10.66	
			For Elevated Installation >20' To 25', Add	13.33	
			For Elevated Installation >25' To 30', Add	18.66	
			For Elevated Installation >30' To 35', Add	21.32	
			For Elevated Installation >35' To 40', Add	26.66	
			For Elevated Installation >40', Add	29.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.99	
26 05 33 13-0209	EA	4"	Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	147.09	29.61
			For Work In Restricted Working Space, Add	17.77	
			For Elevated Installation >10' To 15', Add	5.92	
			For Elevated Installation >15' To 20', Add	11.85	
			For Elevated Installation >20' To 25', Add	14.81	
			For Elevated Installation >25' To 30', Add	20.73	
			For Elevated Installation >30' To 35', Add	23.69	
			For Elevated Installation >35' To 40', Add	29.62	
			For Elevated Installation >40', Add	32.58	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0210	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	194.42	32.58
		For Work In Restricted Working Space, Add	19.55	
		For Elevated Installation >10' To 15', Add	6.52	
		For Elevated Installation >15' To 20', Add	13.03	
		For Elevated Installation >20' To 25', Add	16.29	
		For Elevated Installation >25' To 30', Add	22.80	
		For Elevated Installation >30' To 35', Add	26.06	
		For Elevated Installation >35' To 40', Add	32.58	
		For Elevated Installation >40', Add	35.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.55	
26 05 33 13-0211	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	275.66	35.53
		For Work In Restricted Working Space, Add	21.32	
		For Elevated Installation >10' To 15', Add	7.11	
		For Elevated Installation >15' To 20', Add	14.22	
		For Elevated Installation >20' To 25', Add	17.77	
		For Elevated Installation >25' To 30', Add	24.88	
		For Elevated Installation >30' To 35', Add	28.43	
		For Elevated Installation >35' To 40', Add	35.54	
		For Elevated Installation >40', Add	39.09	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.32	

26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0060)

26 05 33 13-0213	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	30.19	10.67
		For Work In Restricted Working Space, Add	6.40	
		For Elevated Installation >10' To 15', Add	2.13	
		For Elevated Installation >15' To 20', Add	4.26	
		For Elevated Installation >20' To 25', Add	5.33	
		For Elevated Installation >25' To 30', Add	7.46	
		For Elevated Installation >30' To 35', Add	8.53	
		For Elevated Installation >35' To 40', Add	10.66	
		For Elevated Installation >40', Add	11.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 33 13-0214	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	33.83	11.85
		For Work In Restricted Working Space, Add	7.11	
		For Elevated Installation >10' To 15', Add	2.37	
		For Elevated Installation >15' To 20', Add	4.74	
		For Elevated Installation >20' To 25', Add	5.93	
		For Elevated Installation >25' To 30', Add	8.30	
		For Elevated Installation >30' To 35', Add	9.48	
		For Elevated Installation >35' To 40', Add	11.85	
		For Elevated Installation >40', Add	13.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 33 13-0215	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	38.69	13.03
		For Work In Restricted Working Space, Add	7.82	
		For Elevated Installation >10' To 15', Add	2.61	
		For Elevated Installation >15' To 20', Add	5.21	
		For Elevated Installation >20' To 25', Add	6.52	
		For Elevated Installation >25' To 30', Add	9.12	
		For Elevated Installation >30' To 35', Add	10.42	
		For Elevated Installation >35' To 40', Add	13.03	
		For Elevated Installation >40', Add	14.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-0216	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	45.95	14.81
		For Work In Restricted Working Space, Add	8.88	
		For Elevated Installation >10' To 15', Add	2.96	
		For Elevated Installation >15' To 20', Add	5.92	
		For Elevated Installation >20' To 25', Add	7.40	
		For Elevated Installation >25' To 30', Add	10.36	
		For Elevated Installation >30' To 35', Add	11.84	
		For Elevated Installation >35' To 40', Add	14.81	
		For Elevated Installation >40', Add	16.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0217	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	55.59	18.36
		For Work In Restricted Working Space, Add	11.02	
		For Elevated Installation >10' To 15', Add	3.67	
		For Elevated Installation >15' To 20', Add	7.35	
		For Elevated Installation >20' To 25', Add	9.18	
		For Elevated Installation >25' To 30', Add	12.86	
		For Elevated Installation >30' To 35', Add	14.69	
		For Elevated Installation >35' To 40', Add	18.37	
		For Elevated Installation >40', Add	20.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 05 33 13-0218	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	70.03	21.91
		For Work In Restricted Working Space, Add	13.15	
		For Elevated Installation >10' To 15', Add	4.38	
		For Elevated Installation >15' To 20', Add	8.77	
		For Elevated Installation >20' To 25', Add	10.96	
		For Elevated Installation >25' To 30', Add	15.34	
		For Elevated Installation >30' To 35', Add	17.53	
		For Elevated Installation >35' To 40', Add	21.92	
		For Elevated Installation >40', Add	24.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0219	EA	2-1/2"	Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	93.74	25.47
			For Work In Restricted Working Space, Add	15.28	
			For Elevated Installation >10' To 15', Add	5.09	
			For Elevated Installation >15' To 20', Add	10.19	
			For Elevated Installation >20' To 25', Add	12.74	
			For Elevated Installation >25' To 30', Add	17.83	
			For Elevated Installation >30' To 35', Add	20.38	
			For Elevated Installation >35' To 40', Add	25.47	
			For Elevated Installation >40', Add	28.02	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.28	
26 05 33 13-0220	EA	3"	Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	103.39	29.61
			For Work In Restricted Working Space, Add	17.77	
			For Elevated Installation >10' To 15', Add	5.92	
			For Elevated Installation >15' To 20', Add	11.85	
			For Elevated Installation >20' To 25', Add	14.81	
			For Elevated Installation >25' To 30', Add	20.73	
			For Elevated Installation >30' To 35', Add	23.69	
			For Elevated Installation >35' To 40', Add	29.62	
			For Elevated Installation >40', Add	32.58	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-0221	EA	3-1/2"	Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	116.91	33.17
			For Work In Restricted Working Space, Add	19.90	
			For Elevated Installation >10' To 15', Add	6.63	
			For Elevated Installation >15' To 20', Add	13.27	
			For Elevated Installation >20' To 25', Add	16.59	
			For Elevated Installation >25' To 30', Add	23.22	
			For Elevated Installation >30' To 35', Add	26.54	
			For Elevated Installation >35' To 40', Add	33.17	
			For Elevated Installation >40', Add	36.49	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.90	
26 05 33 13-0222	EA	4"	Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	150.85	36.73
			For Work In Restricted Working Space, Add	22.03	
			For Elevated Installation >10' To 15', Add	7.34	
			For Elevated Installation >15' To 20', Add	14.69	
			For Elevated Installation >20' To 25', Add	18.36	
			For Elevated Installation >25' To 30', Add	25.70	
			For Elevated Installation >30' To 35', Add	29.38	
			For Elevated Installation >35' To 40', Add	36.72	
			For Elevated Installation >40', Add	40.39	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.03	
26 05 33 13-0223	EA	5"	Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	213.80	40.28
			For Work In Restricted Working Space, Add	24.17	
			For Elevated Installation >10' To 15', Add	8.06	
			For Elevated Installation >15' To 20', Add	16.11	
			For Elevated Installation >20' To 25', Add	20.14	
			For Elevated Installation >25' To 30', Add	28.19	
			For Elevated Installation >30' To 35', Add	32.22	
			For Elevated Installation >35' To 40', Add	40.28	
			For Elevated Installation >40', Add	44.30	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 05 33 13-0224	EA	6"	Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	294.24	44.43
			For Work In Restricted Working Space, Add	26.65	
			For Elevated Installation >10' To 15', Add	8.88	
			For Elevated Installation >15' To 20', Add	17.77	
			For Elevated Installation >20' To 25', Add	22.21	
			For Elevated Installation >25' To 30', Add	31.09	
			For Elevated Installation >30' To 35', Add	35.54	
			For Elevated Installation >35' To 40', Add	44.42	
			For Elevated Installation >40', Add	48.86	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.65	
26 05 33 13-0225			Rigid Galvanized Steel (RGS) Box Connectors With Set Screw (26 05 33 13-0060)		
26 05 33 13-0226	EA	1/2"	Rigid Galvanized Steel (RGS) Box Connector With Set Screw	17.63	5.45
			For Work In Restricted Working Space, Add	4.06	
			For Elevated Installation >10' To 15', Add	1.35	
			For Elevated Installation >15' To 20', Add	2.70	
			For Elevated Installation >20' To 25', Add	3.38	
			For Elevated Installation >25' To 30', Add	4.73	
			For Elevated Installation >30' To 35', Add	5.41	
			For Elevated Installation >35' To 40', Add	6.76	
			For Elevated Installation >40', Add	7.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.06	
26 05 33 13-0227	EA	3/4"	Rigid Galvanized Steel (RGS) Box Connector With Set Screw	21.35	6.27
			For Work In Restricted Working Space, Add	4.70	
			For Elevated Installation >10' To 15', Add	1.57	
			For Elevated Installation >15' To 20', Add	3.13	
			For Elevated Installation >20' To 25', Add	3.91	
			For Elevated Installation >25' To 30', Add	5.48	
			For Elevated Installation >30' To 35', Add	6.26	
			For Elevated Installation >35' To 40', Add	7.83	
			For Elevated Installation >40', Add	8.61	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0228	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	27.96	7.58
		For Work In Restricted Working Space, Add	5.66	
		For Elevated Installation >10' To 15', Add	1.89	
		For Elevated Installation >15' To 20', Add	3.77	
		For Elevated Installation >20' To 25', Add	4.72	
		For Elevated Installation >25' To 30', Add	6.60	
		For Elevated Installation >30' To 35', Add	7.55	
		For Elevated Installation >35' To 40', Add	9.44	
		For Elevated Installation >40', Add	10.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.66	
26 05 33 13-0229	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	41.30	9.36
		For Work In Restricted Working Space, Add	7.04	
		For Elevated Installation >10' To 15', Add	2.35	
		For Elevated Installation >15' To 20', Add	4.69	
		For Elevated Installation >20' To 25', Add	5.87	
		For Elevated Installation >25' To 30', Add	8.21	
		For Elevated Installation >30' To 35', Add	9.39	
		For Elevated Installation >35' To 40', Add	11.74	
		For Elevated Installation >40', Add	12.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
26 05 33 13-0230	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	55.90	12.56
		For Work In Restricted Working Space, Add	9.43	
		For Elevated Installation >10' To 15', Add	3.14	
		For Elevated Installation >15' To 20', Add	6.28	
		For Elevated Installation >20' To 25', Add	7.86	
		For Elevated Installation >25' To 30', Add	11.00	
		For Elevated Installation >30' To 35', Add	12.57	
		For Elevated Installation >35' To 40', Add	15.71	
		For Elevated Installation >40', Add	17.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.43	
26 05 33 13-0231	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	95.07	18.83
		For Work In Restricted Working Space, Add	14.12	
		For Elevated Installation >10' To 15', Add	4.71	
		For Elevated Installation >15' To 20', Add	9.41	
		For Elevated Installation >20' To 25', Add	11.77	
		For Elevated Installation >25' To 30', Add	16.47	
		For Elevated Installation >30' To 35', Add	18.82	
		For Elevated Installation >35' To 40', Add	23.53	
		For Elevated Installation >40', Add	25.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.12	
26 05 33 13-0232	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	170.92	20.85
		For Work In Restricted Working Space, Add	15.64	
		For Elevated Installation >10' To 15', Add	5.21	
		For Elevated Installation >15' To 20', Add	10.42	
		For Elevated Installation >20' To 25', Add	13.03	
		For Elevated Installation >25' To 30', Add	18.24	
		For Elevated Installation >30' To 35', Add	20.85	
		For Elevated Installation >35' To 40', Add	26.06	
		For Elevated Installation >40', Add	28.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.64	
26 05 33 13-0233	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	203.75	25.23
		For Work In Restricted Working Space, Add	18.94	
		For Elevated Installation >10' To 15', Add	6.31	
		For Elevated Installation >15' To 20', Add	12.63	
		For Elevated Installation >20' To 25', Add	15.78	
		For Elevated Installation >25' To 30', Add	22.10	
		For Elevated Installation >30' To 35', Add	25.25	
		For Elevated Installation >35' To 40', Add	31.57	
		For Elevated Installation >40', Add	34.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.94	
26 05 33 13-0234	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	275.42	31.63
		For Work In Restricted Working Space, Add	23.71	
		For Elevated Installation >10' To 15', Add	7.90	
		For Elevated Installation >15' To 20', Add	15.81	
		For Elevated Installation >20' To 25', Add	19.76	
		For Elevated Installation >25' To 30', Add	27.66	
		For Elevated Installation >30' To 35', Add	31.61	
		For Elevated Installation >35' To 40', Add	39.52	
		For Elevated Installation >40', Add	43.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.71	
26 05 33 13-0235	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	322.67	37.91
		For Work In Restricted Working Space, Add	28.43	
		For Elevated Installation >10' To 15', Add	9.48	
		For Elevated Installation >15' To 20', Add	18.95	
		For Elevated Installation >20' To 25', Add	23.69	
		For Elevated Installation >25' To 30', Add	33.17	
		For Elevated Installation >30' To 35', Add	37.90	
		For Elevated Installation >35' To 40', Add	47.38	
		For Elevated Installation >40', Add	52.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.43	
26 05 33 13-0236	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	565.97	42.17
		For Work In Restricted Working Space, Add	31.59	
		For Elevated Installation >10' To 15', Add	10.53	
		For Elevated Installation >15' To 20', Add	21.06	
		For Elevated Installation >20' To 25', Add	26.33	
		For Elevated Installation >25' To 30', Add	36.86	
		For Elevated Installation >30' To 35', Add	42.12	
		For Elevated Installation >35' To 40', Add	52.66	
		For Elevated Installation >40', Add	57.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0237	EA		6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	676.07	47.38
			For Work In Restricted Working Space, Add	35.53	
			For Elevated Installation >10' To 15', Add	11.84	
			For Elevated Installation >15' To 20', Add	23.69	
			For Elevated Installation >20' To 25', Add	29.61	
			For Elevated Installation >25' To 30', Add	41.45	
			For Elevated Installation >30' To 35', Add	47.37	
			For Elevated Installation >35' To 40', Add	59.22	
			For Elevated Installation >40', Add	65.14	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.53	
26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples (26 05 33 13-0060)					
26 05 33 13-0239	EA		1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	17.22	7.70
			For Work In Restricted Working Space, Add	4.62	
			For Elevated Installation >10' To 15', Add	1.54	
			For Elevated Installation >15' To 20', Add	3.08	
			For Elevated Installation >20' To 25', Add	3.85	
			For Elevated Installation >25' To 30', Add	5.39	
			For Elevated Installation >30' To 35', Add	6.16	
			For Elevated Installation >35' To 40', Add	7.70	
			For Elevated Installation >40', Add	8.47	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-0240	EA		3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.82	8.88
			For Work In Restricted Working Space, Add	5.33	
			For Elevated Installation >10' To 15', Add	1.78	
			For Elevated Installation >15' To 20', Add	3.55	
			For Elevated Installation >20' To 25', Add	4.44	
			For Elevated Installation >25' To 30', Add	6.22	
			For Elevated Installation >30' To 35', Add	7.11	
			For Elevated Installation >35' To 40', Add	8.89	
			For Elevated Installation >40', Add	9.77	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-0241	EA		1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	25.37	11.26
			For Work In Restricted Working Space, Add	6.75	
			For Elevated Installation >10' To 15', Add	2.25	
			For Elevated Installation >15' To 20', Add	4.50	
			For Elevated Installation >20' To 25', Add	5.63	
			For Elevated Installation >25' To 30', Add	7.88	
			For Elevated Installation >30' To 35', Add	9.00	
			For Elevated Installation >35' To 40', Add	11.25	
			For Elevated Installation >40', Add	12.38	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-0242	EA		1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.71	13.03
			For Work In Restricted Working Space, Add	7.82	
			For Elevated Installation >10' To 15', Add	2.61	
			For Elevated Installation >15' To 20', Add	5.21	
			For Elevated Installation >20' To 25', Add	6.52	
			For Elevated Installation >25' To 30', Add	9.12	
			For Elevated Installation >30' To 35', Add	10.42	
			For Elevated Installation >35' To 40', Add	13.03	
			For Elevated Installation >40', Add	14.33	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-0243	EA		1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	33.93	14.81
			For Work In Restricted Working Space, Add	8.88	
			For Elevated Installation >10' To 15', Add	2.96	
			For Elevated Installation >15' To 20', Add	5.92	
			For Elevated Installation >20' To 25', Add	7.40	
			For Elevated Installation >25' To 30', Add	10.36	
			For Elevated Installation >30' To 35', Add	11.84	
			For Elevated Installation >35' To 40', Add	14.81	
			For Elevated Installation >40', Add	16.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0244	EA		1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	17.37	7.70
			For Work In Restricted Working Space, Add	4.62	
			For Elevated Installation >10' To 15', Add	1.54	
			For Elevated Installation >15' To 20', Add	3.08	
			For Elevated Installation >20' To 25', Add	3.85	
			For Elevated Installation >25' To 30', Add	5.39	
			For Elevated Installation >30' To 35', Add	6.16	
			For Elevated Installation >35' To 40', Add	7.70	
			For Elevated Installation >40', Add	8.47	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-0245	EA		3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.05	8.88
			For Work In Restricted Working Space, Add	5.33	
			For Elevated Installation >10' To 15', Add	1.78	
			For Elevated Installation >15' To 20', Add	3.55	
			For Elevated Installation >20' To 25', Add	4.44	
			For Elevated Installation >25' To 30', Add	6.22	
			For Elevated Installation >30' To 35', Add	7.11	
			For Elevated Installation >35' To 40', Add	8.89	
			For Elevated Installation >40', Add	9.77	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0246	EA 1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	25.62	11.26
	For Work In Restricted Working Space, Add	6.75	
	For Elevated Installation >10' To 15', Add	2.25	
	For Elevated Installation >15' To 20', Add	4.50	
	For Elevated Installation >20' To 25', Add	5.63	
	For Elevated Installation >25' To 30', Add	7.88	
	For Elevated Installation >30' To 35', Add	9.00	
	For Elevated Installation >35' To 40', Add	11.25	
	For Elevated Installation >40', Add	12.38	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-0247	EA 1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	30.05	13.03
	For Work In Restricted Working Space, Add	7.82	
	For Elevated Installation >10' To 15', Add	2.61	
	For Elevated Installation >15' To 20', Add	5.21	
	For Elevated Installation >20' To 25', Add	6.52	
	For Elevated Installation >25' To 30', Add	9.12	
	For Elevated Installation >30' To 35', Add	10.42	
	For Elevated Installation >35' To 40', Add	13.03	
	For Elevated Installation >40', Add	14.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-0248	EA 2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	34.48	14.81
	For Work In Restricted Working Space, Add	8.88	
	For Elevated Installation >10' To 15', Add	2.96	
	For Elevated Installation >15' To 20', Add	5.92	
	For Elevated Installation >20' To 25', Add	7.40	
	For Elevated Installation >25' To 30', Add	10.36	
	For Elevated Installation >30' To 35', Add	11.84	
	For Elevated Installation >35' To 40', Add	14.81	
	For Elevated Installation >40', Add	16.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0249	EA 2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	39.06	16.59
	For Work In Restricted Working Space, Add	9.95	
	For Elevated Installation >10' To 15', Add	3.32	
	For Elevated Installation >15' To 20', Add	6.63	
	For Elevated Installation >20' To 25', Add	8.29	
	For Elevated Installation >25' To 30', Add	11.61	
	For Elevated Installation >30' To 35', Add	13.27	
	For Elevated Installation >35' To 40', Add	16.59	
	For Elevated Installation >40', Add	18.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.95	
26 05 33 13-0250	EA 1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	17.53	7.70
	For Work In Restricted Working Space, Add	4.62	
	For Elevated Installation >10' To 15', Add	1.54	
	For Elevated Installation >15' To 20', Add	3.08	
	For Elevated Installation >20' To 25', Add	3.85	
	For Elevated Installation >25' To 30', Add	5.39	
	For Elevated Installation >30' To 35', Add	6.16	
	For Elevated Installation >35' To 40', Add	7.70	
	For Elevated Installation >40', Add	8.47	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-0251	EA 3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	20.26	8.88
	For Work In Restricted Working Space, Add	5.33	
	For Elevated Installation >10' To 15', Add	1.78	
	For Elevated Installation >15' To 20', Add	3.55	
	For Elevated Installation >20' To 25', Add	4.44	
	For Elevated Installation >25' To 30', Add	6.22	
	For Elevated Installation >30' To 35', Add	7.11	
	For Elevated Installation >35' To 40', Add	8.89	
	For Elevated Installation >40', Add	9.77	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-0252	EA 1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	25.97	11.26
	For Work In Restricted Working Space, Add	6.75	
	For Elevated Installation >10' To 15', Add	2.25	
	For Elevated Installation >15' To 20', Add	4.50	
	For Elevated Installation >20' To 25', Add	5.63	
	For Elevated Installation >25' To 30', Add	7.88	
	For Elevated Installation >30' To 35', Add	9.00	
	For Elevated Installation >35' To 40', Add	11.25	
	For Elevated Installation >40', Add	12.38	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-0253	EA 1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	30.36	13.03
	For Work In Restricted Working Space, Add	7.82	
	For Elevated Installation >10' To 15', Add	2.61	
	For Elevated Installation >15' To 20', Add	5.21	
	For Elevated Installation >20' To 25', Add	6.52	
	For Elevated Installation >25' To 30', Add	9.12	
	For Elevated Installation >30' To 35', Add	10.42	
	For Elevated Installation >35' To 40', Add	13.03	
	For Elevated Installation >40', Add	14.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-0254	EA 1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	34.86	14.81
	For Work In Restricted Working Space, Add	8.88	
	For Elevated Installation >10' To 15', Add	2.96	
	For Elevated Installation >15' To 20', Add	5.92	
	For Elevated Installation >20' To 25', Add	7.40	
	For Elevated Installation >25' To 30', Add	10.36	
	For Elevated Installation >30' To 35', Add	11.84	
	For Elevated Installation >35' To 40', Add	14.81	
	For Elevated Installation >40', Add	16.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0255	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	39.98	16.59
		For Work In Restricted Working Space, Add	.....	9.95	
		For Elevated Installation >10' To 15', Add	.....	3.32	
		For Elevated Installation >15' To 20', Add	.....	6.63	
		For Elevated Installation >20' To 25', Add	.....	8.29	
		For Elevated Installation >25' To 30', Add	.....	11.61	
		For Elevated Installation >30' To 35', Add	.....	13.27	
		For Elevated Installation >35' To 40', Add	.....	16.59	
		For Elevated Installation >40', Add	.....	18.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	9.95	
26 05 33 13-0256	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	54.34	20.14
		For Work In Restricted Working Space, Add	.....	12.08	
		For Elevated Installation >10' To 15', Add	.....	4.03	
		For Elevated Installation >15' To 20', Add	.....	8.06	
		For Elevated Installation >20' To 25', Add	.....	10.07	
		For Elevated Installation >25' To 30', Add	.....	14.10	
		For Elevated Installation >30' To 35', Add	.....	16.11	
		For Elevated Installation >35' To 40', Add	.....	20.14	
		For Elevated Installation >40', Add	.....	22.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	12.08	
26 05 33 13-0257	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	.....	72.96	27.84
		For Work In Restricted Working Space, Add	.....	16.70	
		For Elevated Installation >10' To 15', Add	.....	5.57	
		For Elevated Installation >15' To 20', Add	.....	11.13	
		For Elevated Installation >20' To 25', Add	.....	13.92	
		For Elevated Installation >25' To 30', Add	.....	19.48	
		For Elevated Installation >30' To 35', Add	.....	22.27	
		For Elevated Installation >35' To 40', Add	.....	27.84	
		For Elevated Installation >40', Add	.....	30.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	16.70	
26 05 33 13-0258	EA	1 1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	17.73	7.70
		For Work In Restricted Working Space, Add	.....	4.62	
		For Elevated Installation >10' To 15', Add	.....	1.54	
		For Elevated Installation >15' To 20', Add	.....	3.08	
		For Elevated Installation >20' To 25', Add	.....	3.85	
		For Elevated Installation >25' To 30', Add	.....	5.39	
		For Elevated Installation >30' To 35', Add	.....	6.16	
		For Elevated Installation >35' To 40', Add	.....	7.70	
		For Elevated Installation >40', Add	.....	8.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	4.62	
26 05 33 13-0259	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	20.37	8.88
		For Work In Restricted Working Space, Add	.....	5.33	
		For Elevated Installation >10' To 15', Add	.....	1.78	
		For Elevated Installation >15' To 20', Add	.....	3.55	
		For Elevated Installation >20' To 25', Add	.....	4.44	
		For Elevated Installation >25' To 30', Add	.....	6.22	
		For Elevated Installation >30' To 35', Add	.....	7.11	
		For Elevated Installation >35' To 40', Add	.....	8.89	
		For Elevated Installation >40', Add	.....	9.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	5.33	
26 05 33 13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	26.44	11.26
		For Work In Restricted Working Space, Add	.....	6.75	
		For Elevated Installation >10' To 15', Add	.....	2.25	
		For Elevated Installation >15' To 20', Add	.....	4.50	
		For Elevated Installation >20' To 25', Add	.....	5.63	
		For Elevated Installation >25' To 30', Add	.....	7.88	
		For Elevated Installation >30' To 35', Add	.....	9.00	
		For Elevated Installation >35' To 40', Add	.....	11.25	
		For Elevated Installation >40', Add	.....	12.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	6.75	
26 05 33 13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	30.95	13.03
		For Work In Restricted Working Space, Add	.....	7.82	
		For Elevated Installation >10' To 15', Add	.....	2.61	
		For Elevated Installation >15' To 20', Add	.....	5.21	
		For Elevated Installation >20' To 25', Add	.....	6.52	
		For Elevated Installation >25' To 30', Add	.....	9.12	
		For Elevated Installation >30' To 35', Add	.....	10.42	
		For Elevated Installation >35' To 40', Add	.....	13.03	
		For Elevated Installation >40', Add	.....	14.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	7.82	
26 05 33 13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	35.64	14.81
		For Work In Restricted Working Space, Add	.....	8.88	
		For Elevated Installation >10' To 15', Add	.....	2.96	
		For Elevated Installation >15' To 20', Add	.....	5.92	
		For Elevated Installation >20' To 25', Add	.....	7.40	
		For Elevated Installation >25' To 30', Add	.....	10.36	
		For Elevated Installation >30' To 35', Add	.....	11.84	
		For Elevated Installation >35' To 40', Add	.....	14.81	
		For Elevated Installation >40', Add	.....	16.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	8.88	
26 05 33 13-0263	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	.....	40.93	16.59
		For Work In Restricted Working Space, Add	.....	9.95	
		For Elevated Installation >10' To 15', Add	.....	3.32	
		For Elevated Installation >15' To 20', Add	.....	6.63	
		For Elevated Installation >20' To 25', Add	.....	8.29	
		For Elevated Installation >25' To 30', Add	.....	11.61	
		For Elevated Installation >30' To 35', Add	.....	13.27	
		For Elevated Installation >35' To 40', Add	.....	16.59	
		For Elevated Installation >40', Add	.....	18.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	9.95	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0264	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	56.91	20.14
		For Work In Restricted Working Space, Add	12.08	
		For Elevated Installation >10' To 15', Add	4.03	
		For Elevated Installation >15' To 20', Add	8.06	
		For Elevated Installation >20' To 25', Add	10.07	
		For Elevated Installation >25' To 30', Add	14.10	
		For Elevated Installation >30' To 35', Add	16.11	
		For Elevated Installation >35' To 40', Add	20.14	
		For Elevated Installation >40', Add	22.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.08	
26 05 33 13-0265	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	75.18	27.84
		For Work In Restricted Working Space, Add	16.70	
		For Elevated Installation >10' To 15', Add	5.57	
		For Elevated Installation >15' To 20', Add	11.13	
		For Elevated Installation >20' To 25', Add	13.92	
		For Elevated Installation >25' To 30', Add	19.48	
		For Elevated Installation >30' To 35', Add	22.27	
		For Elevated Installation >35' To 40', Add	27.84	
		For Elevated Installation >40', Add	30.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.70	
26 05 33 13-0266	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	17.93	7.70
		For Work In Restricted Working Space, Add	4.62	
		For Elevated Installation >10' To 15', Add	1.54	
		For Elevated Installation >15' To 20', Add	3.08	
		For Elevated Installation >20' To 25', Add	3.85	
		For Elevated Installation >25' To 30', Add	5.39	
		For Elevated Installation >30' To 35', Add	6.16	
		For Elevated Installation >35' To 40', Add	7.70	
		For Elevated Installation >40', Add	8.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-0267	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.72	8.88
		For Work In Restricted Working Space, Add	5.33	
		For Elevated Installation >10' To 15', Add	1.78	
		For Elevated Installation >15' To 20', Add	3.55	
		For Elevated Installation >20' To 25', Add	4.44	
		For Elevated Installation >25' To 30', Add	6.22	
		For Elevated Installation >30' To 35', Add	7.11	
		For Elevated Installation >35' To 40', Add	8.89	
		For Elevated Installation >40', Add	9.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-0268	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.72	11.26
		For Work In Restricted Working Space, Add	6.75	
		For Elevated Installation >10' To 15', Add	2.25	
		For Elevated Installation >15' To 20', Add	4.50	
		For Elevated Installation >20' To 25', Add	5.63	
		For Elevated Installation >25' To 30', Add	7.88	
		For Elevated Installation >30' To 35', Add	9.00	
		For Elevated Installation >35' To 40', Add	11.25	
		For Elevated Installation >40', Add	12.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-0269	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	31.24	13.03
		For Work In Restricted Working Space, Add	7.82	
		For Elevated Installation >10' To 15', Add	2.61	
		For Elevated Installation >15' To 20', Add	5.21	
		For Elevated Installation >20' To 25', Add	6.52	
		For Elevated Installation >25' To 30', Add	9.12	
		For Elevated Installation >30' To 35', Add	10.42	
		For Elevated Installation >35' To 40', Add	13.03	
		For Elevated Installation >40', Add	14.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-0270	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	36.17	14.81
		For Work In Restricted Working Space, Add	8.88	
		For Elevated Installation >10' To 15', Add	2.96	
		For Elevated Installation >15' To 20', Add	5.92	
		For Elevated Installation >20' To 25', Add	7.40	
		For Elevated Installation >25' To 30', Add	10.36	
		For Elevated Installation >30' To 35', Add	11.84	
		For Elevated Installation >35' To 40', Add	14.81	
		For Elevated Installation >40', Add	16.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0271	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	41.73	16.59
		For Work In Restricted Working Space, Add	9.95	
		For Elevated Installation >10' To 15', Add	3.32	
		For Elevated Installation >15' To 20', Add	6.63	
		For Elevated Installation >20' To 25', Add	8.29	
		For Elevated Installation >25' To 30', Add	11.61	
		For Elevated Installation >30' To 35', Add	13.27	
		For Elevated Installation >35' To 40', Add	16.59	
		For Elevated Installation >40', Add	18.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.95	
26 05 33 13-0272	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	57.69	20.14
		For Work In Restricted Working Space, Add	12.08	
		For Elevated Installation >10' To 15', Add	4.03	
		For Elevated Installation >15' To 20', Add	8.06	
		For Elevated Installation >20' To 25', Add	10.07	
		For Elevated Installation >25' To 30', Add	14.10	
		For Elevated Installation >30' To 35', Add	16.11	
		For Elevated Installation >35' To 40', Add	20.14	
		For Elevated Installation >40', Add	22.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0273	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	76.82	27.84
		For Work In Restricted Working Space, Add		16.70	
		For Elevated Installation >10' To 15', Add		5.57	
		For Elevated Installation >15' To 20', Add		11.13	
		For Elevated Installation >20' To 25', Add		13.92	
		For Elevated Installation >25' To 30', Add		19.48	
		For Elevated Installation >30' To 35', Add		22.27	
		For Elevated Installation >35' To 40', Add		27.84	
		For Elevated Installation >40', Add		30.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		16.70	
26 05 33 13-0274	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	88.52	31.39
		For Work In Restricted Working Space, Add		18.83	
		For Elevated Installation >10' To 15', Add		6.28	
		For Elevated Installation >15' To 20', Add		12.56	
		For Elevated Installation >20' To 25', Add		15.70	
		For Elevated Installation >25' To 30', Add		21.97	
		For Elevated Installation >30' To 35', Add		25.11	
		For Elevated Installation >35' To 40', Add		31.39	
		For Elevated Installation >40', Add		34.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		18.83	
26 05 33 13-0275	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	.....	110.63	40.87
		For Work In Restricted Working Space, Add		24.52	
		For Elevated Installation >10' To 15', Add		8.17	
		For Elevated Installation >15' To 20', Add		16.35	
		For Elevated Installation >20' To 25', Add		20.43	
		For Elevated Installation >25' To 30', Add		28.61	
		For Elevated Installation >30' To 35', Add		32.69	
		For Elevated Installation >35' To 40', Add		40.87	
		For Elevated Installation >40', Add		44.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		24.52	
26 05 33 13-0276	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	18.23	7.70
		For Work In Restricted Working Space, Add		4.62	
		For Elevated Installation >10' To 15', Add		1.54	
		For Elevated Installation >15' To 20', Add		3.08	
		For Elevated Installation >20' To 25', Add		3.85	
		For Elevated Installation >25' To 30', Add		5.39	
		For Elevated Installation >30' To 35', Add		6.16	
		For Elevated Installation >35' To 40', Add		7.70	
		For Elevated Installation >40', Add		8.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.62	
26 05 33 13-0277	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	21.16	8.88
		For Work In Restricted Working Space, Add		5.33	
		For Elevated Installation >10' To 15', Add		1.78	
		For Elevated Installation >15' To 20', Add		3.55	
		For Elevated Installation >20' To 25', Add		4.44	
		For Elevated Installation >25' To 30', Add		6.22	
		For Elevated Installation >30' To 35', Add		7.11	
		For Elevated Installation >35' To 40', Add		8.89	
		For Elevated Installation >40', Add		9.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		5.33	
26 05 33 13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	27.29	11.26
		For Work In Restricted Working Space, Add		6.75	
		For Elevated Installation >10' To 15', Add		2.25	
		For Elevated Installation >15' To 20', Add		4.50	
		For Elevated Installation >20' To 25', Add		5.63	
		For Elevated Installation >25' To 30', Add		7.88	
		For Elevated Installation >30' To 35', Add		9.00	
		For Elevated Installation >35' To 40', Add		11.25	
		For Elevated Installation >40', Add		12.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.75	
26 05 33 13-0279	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	32.06	13.03
		For Work In Restricted Working Space, Add		7.82	
		For Elevated Installation >10' To 15', Add		2.61	
		For Elevated Installation >15' To 20', Add		5.21	
		For Elevated Installation >20' To 25', Add		6.52	
		For Elevated Installation >25' To 30', Add		9.12	
		For Elevated Installation >30' To 35', Add		10.42	
		For Elevated Installation >35' To 40', Add		13.03	
		For Elevated Installation >40', Add		14.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		7.82	
26 05 33 13-0280	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	36.97	14.81
		For Work In Restricted Working Space, Add		8.88	
		For Elevated Installation >10' To 15', Add		2.96	
		For Elevated Installation >15' To 20', Add		5.92	
		For Elevated Installation >20' To 25', Add		7.40	
		For Elevated Installation >25' To 30', Add		10.36	
		For Elevated Installation >30' To 35', Add		11.84	
		For Elevated Installation >35' To 40', Add		14.81	
		For Elevated Installation >40', Add		16.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		8.88	
26 05 33 13-0281	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	.....	43.16	16.59
		For Work In Restricted Working Space, Add		9.95	
		For Elevated Installation >10' To 15', Add		3.32	
		For Elevated Installation >15' To 20', Add		6.63	
		For Elevated Installation >20' To 25', Add		8.29	
		For Elevated Installation >25' To 30', Add		11.61	
		For Elevated Installation >30' To 35', Add		13.27	
		For Elevated Installation >35' To 40', Add		16.59	
		For Elevated Installation >40', Add		18.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		9.95	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0282	EA 2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	60.86	20.14
	For Work In Restricted Working Space, Add	12.08	
	For Elevated Installation >10' To 15', Add	4.03	
	For Elevated Installation >15' To 20', Add	8.06	
	For Elevated Installation >20' To 25', Add	10.07	
	For Elevated Installation >25' To 30', Add	14.10	
	For Elevated Installation >30' To 35', Add	16.11	
	For Elevated Installation >35' To 40', Add	20.14	
	For Elevated Installation >40', Add	22.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.08	
26 05 33 13-0283	EA 3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	80.26	27.84
	For Work In Restricted Working Space, Add	16.70	
	For Elevated Installation >10' To 15', Add	5.57	
	For Elevated Installation >15' To 20', Add	11.13	
	For Elevated Installation >20' To 25', Add	13.92	
	For Elevated Installation >25' To 30', Add	19.48	
	For Elevated Installation >30' To 35', Add	22.27	
	For Elevated Installation >35' To 40', Add	27.84	
	For Elevated Installation >40', Add	30.62	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.70	
26 05 33 13-0284	EA 3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	91.94	31.39
	For Work In Restricted Working Space, Add	18.83	
	For Elevated Installation >10' To 15', Add	6.28	
	For Elevated Installation >15' To 20', Add	12.56	
	For Elevated Installation >20' To 25', Add	15.70	
	For Elevated Installation >25' To 30', Add	21.97	
	For Elevated Installation >30' To 35', Add	25.11	
	For Elevated Installation >35' To 40', Add	31.39	
	For Elevated Installation >40', Add	34.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.83	
26 05 33 13-0285	EA 4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	115.62	40.87
	For Work In Restricted Working Space, Add	24.52	
	For Elevated Installation >10' To 15', Add	8.17	
	For Elevated Installation >15' To 20', Add	16.35	
	For Elevated Installation >20' To 25', Add	20.43	
	For Elevated Installation >25' To 30', Add	28.61	
	For Elevated Installation >30' To 35', Add	32.69	
	For Elevated Installation >35' To 40', Add	40.87	
	For Elevated Installation >40', Add	44.95	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.52	
26 05 33 13-0286	EA 5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	178.31	56.27
	For Work In Restricted Working Space, Add	33.76	
	For Elevated Installation >10' To 15', Add	11.25	
	For Elevated Installation >15' To 20', Add	22.51	
	For Elevated Installation >20' To 25', Add	28.13	
	For Elevated Installation >25' To 30', Add	39.39	
	For Elevated Installation >30' To 35', Add	45.01	
	For Elevated Installation >35' To 40', Add	56.27	
	For Elevated Installation >40', Add	61.89	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.76	
26 05 33 13-0287	EA 6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	226.36	72.14
	For Work In Restricted Working Space, Add	43.31	
	For Elevated Installation >10' To 15', Add	14.44	
	For Elevated Installation >15' To 20', Add	28.88	
	For Elevated Installation >20' To 25', Add	36.10	
	For Elevated Installation >25' To 30', Add	50.53	
	For Elevated Installation >30' To 35', Add	57.75	
	For Elevated Installation >35' To 40', Add	72.19	
	For Elevated Installation >40', Add	79.41	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.31	
26 05 33 13-0288	EA 1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	18.78	7.70
	For Work In Restricted Working Space, Add	4.62	
	For Elevated Installation >10' To 15', Add	1.54	
	For Elevated Installation >15' To 20', Add	3.08	
	For Elevated Installation >20' To 25', Add	3.85	
	For Elevated Installation >25' To 30', Add	5.39	
	For Elevated Installation >30' To 35', Add	6.16	
	For Elevated Installation >35' To 40', Add	7.70	
	For Elevated Installation >40', Add	8.47	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-0289	EA 3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	21.72	8.88
	For Work In Restricted Working Space, Add	5.33	
	For Elevated Installation >10' To 15', Add	1.78	
	For Elevated Installation >15' To 20', Add	3.55	
	For Elevated Installation >20' To 25', Add	4.44	
	For Elevated Installation >25' To 30', Add	6.22	
	For Elevated Installation >30' To 35', Add	7.11	
	For Elevated Installation >35' To 40', Add	8.89	
	For Elevated Installation >40', Add	9.77	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-0290	EA 1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	27.74	11.26
	For Work In Restricted Working Space, Add	6.75	
	For Elevated Installation >10' To 15', Add	2.25	
	For Elevated Installation >15' To 20', Add	4.50	
	For Elevated Installation >20' To 25', Add	5.63	
	For Elevated Installation >25' To 30', Add	7.88	
	For Elevated Installation >30' To 35', Add	9.00	
	For Elevated Installation >35' To 40', Add	11.25	
	For Elevated Installation >40', Add	12.38	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0291 EA 1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	32.81	13.03
For Work In Restricted Working Space, Add	7.82	
For Elevated Installation >10' To 15', Add	2.61	
For Elevated Installation >15' To 20', Add	5.21	
For Elevated Installation >20' To 25', Add	6.52	
For Elevated Installation >25' To 30', Add	9.12	
For Elevated Installation >30' To 35', Add	10.42	
For Elevated Installation >35' To 40', Add	13.03	
For Elevated Installation >40', Add	14.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-0292 EA 1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	38.66	14.81
For Work In Restricted Working Space, Add	8.88	
For Elevated Installation >10' To 15', Add	2.96	
For Elevated Installation >15' To 20', Add	5.92	
For Elevated Installation >20' To 25', Add	7.40	
For Elevated Installation >25' To 30', Add	10.36	
For Elevated Installation >30' To 35', Add	11.84	
For Elevated Installation >35' To 40', Add	14.81	
For Elevated Installation >40', Add	16.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0293 EA 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	44.60	16.59
For Work In Restricted Working Space, Add	9.95	
For Elevated Installation >10' To 15', Add	3.32	
For Elevated Installation >15' To 20', Add	6.63	
For Elevated Installation >20' To 25', Add	8.29	
For Elevated Installation >25' To 30', Add	11.61	
For Elevated Installation >30' To 35', Add	13.27	
For Elevated Installation >35' To 40', Add	16.59	
For Elevated Installation >40', Add	18.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.95	
26 05 33 13-0294 EA 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	63.64	20.14
For Work In Restricted Working Space, Add	12.08	
For Elevated Installation >10' To 15', Add	4.03	
For Elevated Installation >15' To 20', Add	8.06	
For Elevated Installation >20' To 25', Add	10.07	
For Elevated Installation >25' To 30', Add	14.10	
For Elevated Installation >30' To 35', Add	16.11	
For Elevated Installation >35' To 40', Add	20.14	
For Elevated Installation >40', Add	22.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.08	
26 05 33 13-0295 EA 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	83.74	27.84
For Work In Restricted Working Space, Add	16.70	
For Elevated Installation >10' To 15', Add	5.57	
For Elevated Installation >15' To 20', Add	11.13	
For Elevated Installation >20' To 25', Add	13.92	
For Elevated Installation >25' To 30', Add	19.48	
For Elevated Installation >30' To 35', Add	22.27	
For Elevated Installation >35' To 40', Add	27.84	
For Elevated Installation >40', Add	30.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.70	
26 05 33 13-0296 EA 3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	96.10	31.39
For Work In Restricted Working Space, Add	18.83	
For Elevated Installation >10' To 15', Add	6.28	
For Elevated Installation >15' To 20', Add	12.56	
For Elevated Installation >20' To 25', Add	15.70	
For Elevated Installation >25' To 30', Add	21.97	
For Elevated Installation >30' To 35', Add	25.11	
For Elevated Installation >35' To 40', Add	31.39	
For Elevated Installation >40', Add	34.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.83	
26 05 33 13-0297 EA 4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	119.58	40.87
For Work In Restricted Working Space, Add	24.52	
For Elevated Installation >10' To 15', Add	8.17	
For Elevated Installation >15' To 20', Add	16.35	
For Elevated Installation >20' To 25', Add	20.43	
For Elevated Installation >25' To 30', Add	28.61	
For Elevated Installation >30' To 35', Add	32.69	
For Elevated Installation >35' To 40', Add	40.87	
For Elevated Installation >40', Add	44.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.52	
26 05 33 13-0298 EA 5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	184.10	56.27
For Work In Restricted Working Space, Add	33.76	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.51	
For Elevated Installation >20' To 25', Add	28.13	
For Elevated Installation >25' To 30', Add	39.39	
For Elevated Installation >30' To 35', Add	45.01	
For Elevated Installation >35' To 40', Add	56.27	
For Elevated Installation >40', Add	61.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.76	
26 05 33 13-0299 EA 6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	234.84	72.14
For Work In Restricted Working Space, Add	43.31	
For Elevated Installation >10' To 15', Add	14.44	
For Elevated Installation >15' To 20', Add	28.88	
For Elevated Installation >20' To 25', Add	36.10	
For Elevated Installation >25' To 30', Add	50.53	
For Elevated Installation >30' To 35', Add	57.75	
For Elevated Installation >35' To 40', Add	72.19	
For Elevated Installation >40', Add	79.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0300	EA 1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	20.79	7.70
	For Work In Restricted Working Space, Add	4.62	
	For Elevated Installation >10' To 15', Add	1.54	
	For Elevated Installation >15' To 20', Add	3.08	
	For Elevated Installation >20' To 25', Add	3.85	
	For Elevated Installation >25' To 30', Add	5.39	
	For Elevated Installation >30' To 35', Add	6.16	
	For Elevated Installation >35' To 40', Add	7.70	
	For Elevated Installation >40', Add	8.47	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-0301	EA 3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	24.29	8.88
	For Work In Restricted Working Space, Add	5.33	
	For Elevated Installation >10' To 15', Add	1.78	
	For Elevated Installation >15' To 20', Add	3.55	
	For Elevated Installation >20' To 25', Add	4.44	
	For Elevated Installation >25' To 30', Add	6.22	
	For Elevated Installation >30' To 35', Add	7.11	
	For Elevated Installation >35' To 40', Add	8.89	
	For Elevated Installation >40', Add	9.77	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-0302	EA 1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	30.76	11.26
	For Work In Restricted Working Space, Add	6.75	
	For Elevated Installation >10' To 15', Add	2.25	
	For Elevated Installation >15' To 20', Add	4.50	
	For Elevated Installation >20' To 25', Add	5.63	
	For Elevated Installation >25' To 30', Add	7.88	
	For Elevated Installation >30' To 35', Add	9.00	
	For Elevated Installation >35' To 40', Add	11.25	
	For Elevated Installation >40', Add	12.38	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-0303	EA 1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	37.12	13.03
	For Work In Restricted Working Space, Add	7.82	
	For Elevated Installation >10' To 15', Add	2.61	
	For Elevated Installation >15' To 20', Add	5.21	
	For Elevated Installation >20' To 25', Add	6.52	
	For Elevated Installation >25' To 30', Add	9.12	
	For Elevated Installation >30' To 35', Add	10.42	
	For Elevated Installation >35' To 40', Add	13.03	
	For Elevated Installation >40', Add	14.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-0304	EA 1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	43.46	14.81
	For Work In Restricted Working Space, Add	8.88	
	For Elevated Installation >10' To 15', Add	2.96	
	For Elevated Installation >15' To 20', Add	5.92	
	For Elevated Installation >20' To 25', Add	7.40	
	For Elevated Installation >25' To 30', Add	10.36	
	For Elevated Installation >30' To 35', Add	11.84	
	For Elevated Installation >35' To 40', Add	14.81	
	For Elevated Installation >40', Add	16.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0305	EA 2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	49.65	16.59
	For Work In Restricted Working Space, Add	9.95	
	For Elevated Installation >10' To 15', Add	3.32	
	For Elevated Installation >15' To 20', Add	6.63	
	For Elevated Installation >20' To 25', Add	8.29	
	For Elevated Installation >25' To 30', Add	11.61	
	For Elevated Installation >30' To 35', Add	13.27	
	For Elevated Installation >35' To 40', Add	16.59	
	For Elevated Installation >40', Add	18.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.95	
26 05 33 13-0306	EA 2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	71.00	20.14
	For Work In Restricted Working Space, Add	12.08	
	For Elevated Installation >10' To 15', Add	4.03	
	For Elevated Installation >15' To 20', Add	8.06	
	For Elevated Installation >20' To 25', Add	10.07	
	For Elevated Installation >25' To 30', Add	14.10	
	For Elevated Installation >30' To 35', Add	16.11	
	For Elevated Installation >35' To 40', Add	20.14	
	For Elevated Installation >40', Add	22.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.08	
26 05 33 13-0307	EA 3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	92.20	27.84
	For Work In Restricted Working Space, Add	16.70	
	For Elevated Installation >10' To 15', Add	5.57	
	For Elevated Installation >15' To 20', Add	11.13	
	For Elevated Installation >20' To 25', Add	13.92	
	For Elevated Installation >25' To 30', Add	19.48	
	For Elevated Installation >30' To 35', Add	22.27	
	For Elevated Installation >35' To 40', Add	27.84	
	For Elevated Installation >40', Add	30.62	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.70	
26 05 33 13-0308	EA 3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	104.53	31.39
	For Work In Restricted Working Space, Add	18.83	
	For Elevated Installation >10' To 15', Add	6.28	
	For Elevated Installation >15' To 20', Add	12.56	
	For Elevated Installation >20' To 25', Add	15.70	
	For Elevated Installation >25' To 30', Add	21.97	
	For Elevated Installation >30' To 35', Add	25.11	
	For Elevated Installation >35' To 40', Add	31.39	
	For Elevated Installation >40', Add	34.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0309	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	.....	128.89	40.87
		For Work In Restricted Working Space, Add	.....	24.52	
		For Elevated Installation >10' To 15', Add	.....	8.17	
		For Elevated Installation >15' To 20', Add	.....	16.35	
		For Elevated Installation >20' To 25', Add	.....	20.43	
		For Elevated Installation >25' To 30', Add	.....	28.61	
		For Elevated Installation >30' To 35', Add	.....	32.69	
		For Elevated Installation >35' To 40', Add	.....	40.87	
		For Elevated Installation >40', Add	.....	44.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	24.52	
26 05 33 13-0310	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	.....	197.54	56.27
		For Work In Restricted Working Space, Add	.....	33.76	
		For Elevated Installation >10' To 15', Add	.....	11.25	
		For Elevated Installation >15' To 20', Add	.....	22.51	
		For Elevated Installation >20' To 25', Add	.....	28.13	
		For Elevated Installation >25' To 30', Add	.....	39.39	
		For Elevated Installation >30' To 35', Add	.....	45.01	
		For Elevated Installation >35' To 40', Add	.....	56.27	
		For Elevated Installation >40', Add	.....	61.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	33.76	
26 05 33 13-0311	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	.....	249.93	72.14
		For Work In Restricted Working Space, Add	.....	43.31	
		For Elevated Installation >10' To 15', Add	.....	14.44	
		For Elevated Installation >15' To 20', Add	.....	28.88	
		For Elevated Installation >20' To 25', Add	.....	36.10	
		For Elevated Installation >25' To 30', Add	.....	50.53	
		For Elevated Installation >30' To 35', Add	.....	57.75	
		For Elevated Installation >35' To 40', Add	.....	72.19	
		For Elevated Installation >40', Add	.....	79.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	43.31	
26 05 33 13-0312	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	22.14	7.70
		For Work In Restricted Working Space, Add	.....	4.62	
		For Elevated Installation >10' To 15', Add	.....	1.54	
		For Elevated Installation >15' To 20', Add	.....	3.08	
		For Elevated Installation >20' To 25', Add	.....	3.85	
		For Elevated Installation >25' To 30', Add	.....	5.39	
		For Elevated Installation >30' To 35', Add	.....	6.16	
		For Elevated Installation >35' To 40', Add	.....	7.70	
		For Elevated Installation >40', Add	.....	8.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	4.62	
26 05 33 13-0313	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	25.60	8.88
		For Work In Restricted Working Space, Add	.....	5.33	
		For Elevated Installation >10' To 15', Add	.....	1.78	
		For Elevated Installation >15' To 20', Add	.....	3.55	
		For Elevated Installation >20' To 25', Add	.....	4.44	
		For Elevated Installation >25' To 30', Add	.....	6.22	
		For Elevated Installation >30' To 35', Add	.....	7.11	
		For Elevated Installation >35' To 40', Add	.....	8.89	
		For Elevated Installation >40', Add	.....	9.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	5.33	
26 05 33 13-0314	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	33.16	11.26
		For Work In Restricted Working Space, Add	.....	6.75	
		For Elevated Installation >10' To 15', Add	.....	2.25	
		For Elevated Installation >15' To 20', Add	.....	4.50	
		For Elevated Installation >20' To 25', Add	.....	5.63	
		For Elevated Installation >25' To 30', Add	.....	7.88	
		For Elevated Installation >30' To 35', Add	.....	9.00	
		For Elevated Installation >35' To 40', Add	.....	11.25	
		For Elevated Installation >40', Add	.....	12.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	6.75	
26 05 33 13-0315	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	39.97	13.03
		For Work In Restricted Working Space, Add	.....	7.82	
		For Elevated Installation >10' To 15', Add	.....	2.61	
		For Elevated Installation >15' To 20', Add	.....	5.21	
		For Elevated Installation >20' To 25', Add	.....	6.52	
		For Elevated Installation >25' To 30', Add	.....	9.12	
		For Elevated Installation >30' To 35', Add	.....	10.42	
		For Elevated Installation >35' To 40', Add	.....	13.03	
		For Elevated Installation >40', Add	.....	14.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	7.82	
26 05 33 13-0316	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	46.27	14.81
		For Work In Restricted Working Space, Add	.....	8.88	
		For Elevated Installation >10' To 15', Add	.....	2.96	
		For Elevated Installation >15' To 20', Add	.....	5.92	
		For Elevated Installation >20' To 25', Add	.....	7.40	
		For Elevated Installation >25' To 30', Add	.....	10.36	
		For Elevated Installation >30' To 35', Add	.....	11.84	
		For Elevated Installation >35' To 40', Add	.....	14.81	
		For Elevated Installation >40', Add	.....	16.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	.....	8.88	
26 05 33 13-0317	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	52.91	16.59
		For Work In Restricted Working Space, Add	.....	9.95	
		For Elevated Installation >10' To 15', Add	.....	3.32	
		For Elevated Installation >15' To 20', Add	.....	6.63	
		For Elevated Installation >20' To 25', Add	.....	8.29	
		For Elevated Installation >25' To 30', Add	.....	11.61	
		For Elevated Installation >30' To 35', Add	.....	13.27	
		For Elevated Installation >35' To 40', Add	.....	16.59	
		For Elevated Installation >40', Add	.....	18.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		9.95	

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 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0318	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	75.95	20.14
		For Work In Restricted Working Space, Add	12.08	
		For Elevated Installation >10' To 15', Add	4.03	
		For Elevated Installation >15' To 20', Add	8.06	
		For Elevated Installation >20' To 25', Add	10.07	
		For Elevated Installation >25' To 30', Add	14.10	
		For Elevated Installation >30' To 35', Add	16.11	
		For Elevated Installation >35' To 40', Add	20.14	
		For Elevated Installation >40', Add	22.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.08	
26 05 33 13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	98.85	27.84
		For Work In Restricted Working Space, Add	16.70	
		For Elevated Installation >10' To 15', Add	5.57	
		For Elevated Installation >15' To 20', Add	11.13	
		For Elevated Installation >20' To 25', Add	13.92	
		For Elevated Installation >25' To 30', Add	19.48	
		For Elevated Installation >30' To 35', Add	22.27	
		For Elevated Installation >35' To 40', Add	27.84	
		For Elevated Installation >40', Add	30.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.70	
26 05 33 13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	113.29	31.39
		For Work In Restricted Working Space, Add	18.83	
		For Elevated Installation >10' To 15', Add	6.28	
		For Elevated Installation >15' To 20', Add	12.56	
		For Elevated Installation >20' To 25', Add	15.70	
		For Elevated Installation >25' To 30', Add	21.97	
		For Elevated Installation >30' To 35', Add	25.11	
		For Elevated Installation >35' To 40', Add	31.39	
		For Elevated Installation >40', Add	34.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.83	
26 05 33 13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	139.98	40.87
		For Work In Restricted Working Space, Add	24.52	
		For Elevated Installation >10' To 15', Add	8.17	
		For Elevated Installation >15' To 20', Add	16.35	
		For Elevated Installation >20' To 25', Add	20.43	
		For Elevated Installation >25' To 30', Add	28.61	
		For Elevated Installation >30' To 35', Add	32.69	
		For Elevated Installation >35' To 40', Add	40.87	
		For Elevated Installation >40', Add	44.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.52	
26 05 33 13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	212.20	56.27
		For Work In Restricted Working Space, Add	33.76	
		For Elevated Installation >10' To 15', Add	11.25	
		For Elevated Installation >15' To 20', Add	22.51	
		For Elevated Installation >20' To 25', Add	28.13	
		For Elevated Installation >25' To 30', Add	39.39	
		For Elevated Installation >30' To 35', Add	45.01	
		For Elevated Installation >35' To 40', Add	56.27	
		For Elevated Installation >40', Add	61.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.76	
26 05 33 13-0323	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	276.30	72.14
		For Work In Restricted Working Space, Add	43.31	
		For Elevated Installation >10' To 15', Add	14.44	
		For Elevated Installation >15' To 20', Add	28.88	
		For Elevated Installation >20' To 25', Add	36.10	
		For Elevated Installation >25' To 30', Add	50.53	
		For Elevated Installation >30' To 35', Add	57.75	
		For Elevated Installation >35' To 40', Add	72.19	
		For Elevated Installation >40', Add	79.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.31	
26 05 33 13-0324	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.17	7.70
		For Work In Restricted Working Space, Add	4.62	
		For Elevated Installation >10' To 15', Add	1.54	
		For Elevated Installation >15' To 20', Add	3.08	
		For Elevated Installation >20' To 25', Add	3.85	
		For Elevated Installation >25' To 30', Add	5.39	
		For Elevated Installation >30' To 35', Add	6.16	
		For Elevated Installation >35' To 40', Add	7.70	
		For Elevated Installation >40', Add	8.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-0325	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.57	8.88
		For Work In Restricted Working Space, Add	5.33	
		For Elevated Installation >10' To 15', Add	1.78	
		For Elevated Installation >15' To 20', Add	3.55	
		For Elevated Installation >20' To 25', Add	4.44	
		For Elevated Installation >25' To 30', Add	6.22	
		For Elevated Installation >30' To 35', Add	7.11	
		For Elevated Installation >35' To 40', Add	8.89	
		For Elevated Installation >40', Add	9.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-0326	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.60	11.26
		For Work In Restricted Working Space, Add	6.75	
		For Elevated Installation >10' To 15', Add	2.25	
		For Elevated Installation >15' To 20', Add	4.50	
		For Elevated Installation >20' To 25', Add	5.63	
		For Elevated Installation >25' To 30', Add	7.88	
		For Elevated Installation >30' To 35', Add	9.00	
		For Elevated Installation >35' To 40', Add	11.25	
		For Elevated Installation >40', Add	12.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0327 EA 1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	42.26	13.03
For Work In Restricted Working Space, Add	7.82	
For Elevated Installation >10' To 15', Add	2.61	
For Elevated Installation >15' To 20', Add	5.21	
For Elevated Installation >20' To 25', Add	6.52	
For Elevated Installation >25' To 30', Add	9.12	
For Elevated Installation >30' To 35', Add	10.42	
For Elevated Installation >35' To 40', Add	13.03	
For Elevated Installation >40', Add	14.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-0328 EA 1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	47.68	14.81
For Work In Restricted Working Space, Add	8.88	
For Elevated Installation >10' To 15', Add	2.96	
For Elevated Installation >15' To 20', Add	5.92	
For Elevated Installation >20' To 25', Add	7.40	
For Elevated Installation >25' To 30', Add	10.36	
For Elevated Installation >30' To 35', Add	11.84	
For Elevated Installation >35' To 40', Add	14.81	
For Elevated Installation >40', Add	16.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0329 EA 2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	55.65	16.59
For Work In Restricted Working Space, Add	9.95	
For Elevated Installation >10' To 15', Add	3.32	
For Elevated Installation >15' To 20', Add	6.63	
For Elevated Installation >20' To 25', Add	8.29	
For Elevated Installation >25' To 30', Add	11.61	
For Elevated Installation >30' To 35', Add	13.27	
For Elevated Installation >35' To 40', Add	16.59	
For Elevated Installation >40', Add	18.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.95	
26 05 33 13-0330 EA 2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	81.77	20.14
For Work In Restricted Working Space, Add	12.08	
For Elevated Installation >10' To 15', Add	4.03	
For Elevated Installation >15' To 20', Add	8.06	
For Elevated Installation >20' To 25', Add	10.07	
For Elevated Installation >25' To 30', Add	14.10	
For Elevated Installation >30' To 35', Add	16.11	
For Elevated Installation >35' To 40', Add	20.14	
For Elevated Installation >40', Add	22.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.08	
26 05 33 13-0331 EA 3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	108.09	27.84
For Work In Restricted Working Space, Add	16.70	
For Elevated Installation >10' To 15', Add	5.57	
For Elevated Installation >15' To 20', Add	11.13	
For Elevated Installation >20' To 25', Add	13.92	
For Elevated Installation >25' To 30', Add	19.48	
For Elevated Installation >30' To 35', Add	22.27	
For Elevated Installation >35' To 40', Add	27.84	
For Elevated Installation >40', Add	30.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.70	
26 05 33 13-0332 EA 3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	121.81	31.39
For Work In Restricted Working Space, Add	18.83	
For Elevated Installation >10' To 15', Add	6.28	
For Elevated Installation >15' To 20', Add	12.56	
For Elevated Installation >20' To 25', Add	15.70	
For Elevated Installation >25' To 30', Add	21.97	
For Elevated Installation >30' To 35', Add	25.11	
For Elevated Installation >35' To 40', Add	31.39	
For Elevated Installation >40', Add	34.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.83	
26 05 33 13-0333 EA 4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	151.08	40.87
For Work In Restricted Working Space, Add	24.52	
For Elevated Installation >10' To 15', Add	8.17	
For Elevated Installation >15' To 20', Add	16.35	
For Elevated Installation >20' To 25', Add	20.43	
For Elevated Installation >25' To 30', Add	28.61	
For Elevated Installation >30' To 35', Add	32.69	
For Elevated Installation >35' To 40', Add	40.87	
For Elevated Installation >40', Add	44.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.52	
26 05 33 13-0334 EA 5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	233.26	56.27
For Work In Restricted Working Space, Add	33.76	
For Elevated Installation >10' To 15', Add	11.25	
For Elevated Installation >15' To 20', Add	22.51	
For Elevated Installation >20' To 25', Add	28.13	
For Elevated Installation >25' To 30', Add	39.39	
For Elevated Installation >30' To 35', Add	45.01	
For Elevated Installation >35' To 40', Add	56.27	
For Elevated Installation >40', Add	61.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.76	
26 05 33 13-0335 EA 6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple.....	290.95	72.14
For Work In Restricted Working Space, Add	43.31	
For Elevated Installation >10' To 15', Add	14.44	
For Elevated Installation >15' To 20', Add	28.88	
For Elevated Installation >20' To 25', Add	36.10	
For Elevated Installation >25' To 30', Add	50.53	
For Elevated Installation >30' To 35', Add	57.75	
For Elevated Installation >35' To 40', Add	72.19	
For Elevated Installation >40', Add	79.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.31	

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 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
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26 05 33 13-0336 Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0060)			
26 05 33 13-0337	EA 1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	17.71	6.16
	For Work In Restricted Working Space, Add	4.66	
	For Elevated Installation >10' To 15', Add	1.55	
	For Elevated Installation >15' To 20', Add	3.10	
	For Elevated Installation >20' To 25', Add	3.88	
	For Elevated Installation >25' To 30', Add	5.43	
	For Elevated Installation >30' To 35', Add	6.21	
	For Elevated Installation >35' To 40', Add	7.76	
	For Elevated Installation >40', Add	8.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.66	
26 05 33 13-0338	EA 3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	21.02	7.11
	For Work In Restricted Working Space, Add	5.30	
	For Elevated Installation >10' To 15', Add	1.77	
	For Elevated Installation >15' To 20', Add	3.53	
	For Elevated Installation >20' To 25', Add	4.42	
	For Elevated Installation >25' To 30', Add	6.18	
	For Elevated Installation >30' To 35', Add	7.07	
	For Elevated Installation >35' To 40', Add	8.84	
	For Elevated Installation >40', Add	9.72	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.30	
26 05 33 13-0339	EA 1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	26.43	9.00
	For Work In Restricted Working Space, Add	6.78	
	For Elevated Installation >10' To 15', Add	2.26	
	For Elevated Installation >15' To 20', Add	4.52	
	For Elevated Installation >20' To 25', Add	5.65	
	For Elevated Installation >25' To 30', Add	7.91	
	For Elevated Installation >30' To 35', Add	9.04	
	For Elevated Installation >35' To 40', Add	11.30	
	For Elevated Installation >40', Add	12.43	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.78	
26 05 33 13-0340	EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	33.26	10.78
	For Work In Restricted Working Space, Add	8.12	
	For Elevated Installation >10' To 15', Add	2.71	
	For Elevated Installation >15' To 20', Add	5.42	
	For Elevated Installation >20' To 25', Add	6.77	
	For Elevated Installation >25' To 30', Add	9.48	
	For Elevated Installation >30' To 35', Add	10.83	
	For Elevated Installation >35' To 40', Add	13.54	
	For Elevated Installation >40', Add	14.89	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.12	
26 05 33 13-0341	EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	36.42	11.85
	For Work In Restricted Working Space, Add	8.89	
	For Elevated Installation >10' To 15', Add	2.96	
	For Elevated Installation >15' To 20', Add	5.93	
	For Elevated Installation >20' To 25', Add	7.41	
	For Elevated Installation >25' To 30', Add	10.37	
	For Elevated Installation >30' To 35', Add	11.86	
	For Elevated Installation >35' To 40', Add	14.82	
	For Elevated Installation >40', Add	16.30	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.89	
26 05 33 13-0342	EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	47.28	14.57
	For Work In Restricted Working Space, Add	10.95	
	For Elevated Installation >10' To 15', Add	3.65	
	For Elevated Installation >15' To 20', Add	7.30	
	For Elevated Installation >20' To 25', Add	9.13	
	For Elevated Installation >25' To 30', Add	12.78	
	For Elevated Installation >30' To 35', Add	14.60	
	For Elevated Installation >35' To 40', Add	18.26	
	For Elevated Installation >40', Add	20.08	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.95	
26 05 33 13-0343	EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	77.17	23.70
	For Work In Restricted Working Space, Add	17.77	
	For Elevated Installation >10' To 15', Add	5.92	
	For Elevated Installation >15' To 20', Add	11.85	
	For Elevated Installation >20' To 25', Add	14.81	
	For Elevated Installation >25' To 30', Add	20.73	
	For Elevated Installation >30' To 35', Add	23.69	
	For Elevated Installation >35' To 40', Add	29.62	
	For Elevated Installation >40', Add	32.58	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-0344	EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	122.48	32.70
	For Work In Restricted Working Space, Add	24.52	
	For Elevated Installation >10' To 15', Add	8.17	
	For Elevated Installation >15' To 20', Add	16.35	
	For Elevated Installation >20' To 25', Add	20.43	
	For Elevated Installation >25' To 30', Add	28.61	
	For Elevated Installation >30' To 35', Add	32.69	
	For Elevated Installation >35' To 40', Add	40.87	
	For Elevated Installation >40', Add	44.95	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.52	
26 05 33 13-0345	EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	151.04	38.62
	For Work In Restricted Working Space, Add	28.80	
	For Elevated Installation >10' To 15', Add	9.60	
	For Elevated Installation >15' To 20', Add	19.20	
	For Elevated Installation >20' To 25', Add	24.00	
	For Elevated Installation >25' To 30', Add	33.60	
	For Elevated Installation >30' To 35', Add	38.40	
	For Elevated Installation >35' To 40', Add	48.01	
	For Elevated Installation >40', Add	52.81	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0346	EA		4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	180.59	44.55
			For Work In Restricted Working Space, Add	33.41	
			For Elevated Installation >10' To 15', Add	11.14	
			For Elevated Installation >15' To 20', Add	22.27	
			For Elevated Installation >20' To 25', Add	27.84	
			For Elevated Installation >25' To 30', Add	38.98	
			For Elevated Installation >30' To 35', Add	44.54	
			For Elevated Installation >35' To 40', Add	55.68	
			For Elevated Installation >40', Add	61.25	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.41	
26 05 33 13-0347			Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (26 05 33 13-0060)		
			Note: Erickson fittings.		
26 05 33 13-0348	EA		1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	50.21	18.95
			For Work In Restricted Working Space, Add	14.23	
			For Elevated Installation >10' To 15', Add	4.74	
			For Elevated Installation >15' To 20', Add	9.49	
			For Elevated Installation >20' To 25', Add	11.86	
			For Elevated Installation >25' To 30', Add	16.60	
			For Elevated Installation >30' To 35', Add	18.98	
			For Elevated Installation >35' To 40', Add	23.72	
			For Elevated Installation >40', Add	26.09	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.23	
26 05 33 13-0349	EA		3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	56.50	21.20
			For Work In Restricted Working Space, Add	15.89	
			For Elevated Installation >10' To 15', Add	5.30	
			For Elevated Installation >15' To 20', Add	10.59	
			For Elevated Installation >20' To 25', Add	13.24	
			For Elevated Installation >25' To 30', Add	18.53	
			For Elevated Installation >30' To 35', Add	21.18	
			For Elevated Installation >35' To 40', Add	26.48	
			For Elevated Installation >40', Add	29.12	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.89	
26 05 33 13-0350	EA		1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	65.53	23.58
			For Work In Restricted Working Space, Add	17.69	
			For Elevated Installation >10' To 15', Add	5.90	
			For Elevated Installation >15' To 20', Add	11.80	
			For Elevated Installation >20' To 25', Add	14.75	
			For Elevated Installation >25' To 30', Add	20.64	
			For Elevated Installation >30' To 35', Add	23.59	
			For Elevated Installation >35' To 40', Add	29.49	
			For Elevated Installation >40', Add	32.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.69	
26 05 33 13-0351	EA		1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	78.52	25.82
			For Work In Restricted Working Space, Add	19.36	
			For Elevated Installation >10' To 15', Add	6.45	
			For Elevated Installation >15' To 20', Add	12.91	
			For Elevated Installation >20' To 25', Add	16.14	
			For Elevated Installation >25' To 30', Add	22.59	
			For Elevated Installation >30' To 35', Add	25.82	
			For Elevated Installation >35' To 40', Add	32.27	
			For Elevated Installation >40', Add	35.50	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.36	
26 05 33 13-0352	EA		1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	87.36	28.20
			For Work In Restricted Working Space, Add	21.18	
			For Elevated Installation >10' To 15', Add	7.06	
			For Elevated Installation >15' To 20', Add	14.12	
			For Elevated Installation >20' To 25', Add	17.65	
			For Elevated Installation >25' To 30', Add	24.71	
			For Elevated Installation >30' To 35', Add	28.24	
			For Elevated Installation >35' To 40', Add	35.31	
			For Elevated Installation >40', Add	38.84	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.18	
26 05 33 13-0353	EA		2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	110.02	30.56
			For Work In Restricted Working Space, Add	22.94	
			For Elevated Installation >10' To 15', Add	7.65	
			For Elevated Installation >15' To 20', Add	15.29	
			For Elevated Installation >20' To 25', Add	19.12	
			For Elevated Installation >25' To 30', Add	26.76	
			For Elevated Installation >30' To 35', Add	30.59	
			For Elevated Installation >35' To 40', Add	38.24	
			For Elevated Installation >40', Add	42.06	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.94	
26 05 33 13-0354	EA		2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	172.47	37.91
			For Work In Restricted Working Space, Add	28.43	
			For Elevated Installation >10' To 15', Add	9.48	
			For Elevated Installation >15' To 20', Add	18.95	
			For Elevated Installation >20' To 25', Add	23.69	
			For Elevated Installation >25' To 30', Add	33.17	
			For Elevated Installation >30' To 35', Add	37.90	
			For Elevated Installation >35' To 40', Add	47.38	
			For Elevated Installation >40', Add	52.12	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.43	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0355	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	236.41	47.38
		For Work In Restricted Working Space, Add	35.54	
		For Elevated Installation >10' To 15', Add	11.85	
		For Elevated Installation >15' To 20', Add	23.69	
		For Elevated Installation >20' To 25', Add	29.62	
		For Elevated Installation >25' To 30', Add	41.46	
		For Elevated Installation >30' To 35', Add	47.38	
		For Elevated Installation >35' To 40', Add	59.23	
		For Elevated Installation >40', Add	65.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.54	
26 05 33 13-0356	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	338.66	56.87
		For Work In Restricted Working Space, Add	42.66	
		For Elevated Installation >10' To 15', Add	14.22	
		For Elevated Installation >15' To 20', Add	28.44	
		For Elevated Installation >20' To 25', Add	35.55	
		For Elevated Installation >25' To 30', Add	49.77	
		For Elevated Installation >30' To 35', Add	56.88	
		For Elevated Installation >35' To 40', Add	71.10	
		For Elevated Installation >40', Add	78.21	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.66	
26 05 33 13-0357	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	385.02	61.60
		For Work In Restricted Working Space, Add	46.20	
		For Elevated Installation >10' To 15', Add	15.40	
		For Elevated Installation >15' To 20', Add	30.80	
		For Elevated Installation >20' To 25', Add	38.50	
		For Elevated Installation >25' To 30', Add	53.90	
		For Elevated Installation >30' To 35', Add	61.60	
		For Elevated Installation >35' To 40', Add	77.00	
		For Elevated Installation >40', Add	84.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.20	
26 05 33 13-0358	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	663.68	75.81
		For Work In Restricted Working Space, Add	56.86	
		For Elevated Installation >10' To 15', Add	18.95	
		For Elevated Installation >15' To 20', Add	37.90	
		For Elevated Installation >20' To 25', Add	47.38	
		For Elevated Installation >25' To 30', Add	66.33	
		For Elevated Installation >30' To 35', Add	75.81	
		For Elevated Installation >35' To 40', Add	94.76	
		For Elevated Installation >40', Add	104.24	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.86	
26 05 33 13-0359	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	851.15	87.66
		For Work In Restricted Working Space, Add	65.74	
		For Elevated Installation >10' To 15', Add	21.91	
		For Elevated Installation >15' To 20', Add	43.83	
		For Elevated Installation >20' To 25', Add	54.78	
		For Elevated Installation >25' To 30', Add	76.70	
		For Elevated Installation >30' To 35', Add	87.65	
		For Elevated Installation >35' To 40', Add	109.57	
		For Elevated Installation >40', Add	120.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.74	

26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT)**Connectors** (26 05 33 13-0060)

26 05 33 13-0361	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	29.58	9.47
		For Work In Restricted Working Space, Add	7.11	
		For Elevated Installation >10' To 15', Add	2.37	
		For Elevated Installation >15' To 20', Add	4.74	
		For Elevated Installation >20' To 25', Add	5.93	
		For Elevated Installation >25' To 30', Add	8.30	
		For Elevated Installation >30' To 35', Add	9.48	
		For Elevated Installation >35' To 40', Add	11.85	
		For Elevated Installation >40', Add	13.04	
26 05 33 13-0362	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	33.01	10.42
		For Work In Restricted Working Space, Add	7.82	
		For Elevated Installation >10' To 15', Add	2.61	
		For Elevated Installation >15' To 20', Add	5.21	
		For Elevated Installation >20' To 25', Add	6.52	
		For Elevated Installation >25' To 30', Add	9.12	
		For Elevated Installation >30' To 35', Add	10.42	
		For Elevated Installation >35' To 40', Add	13.03	
		For Elevated Installation >40', Add	14.33	
26 05 33 13-0363	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	37.90	11.85
		For Work In Restricted Working Space, Add	8.89	
		For Elevated Installation >10' To 15', Add	2.96	
		For Elevated Installation >15' To 20', Add	5.92	
		For Elevated Installation >20' To 25', Add	7.41	
		For Elevated Installation >25' To 30', Add	10.37	
		For Elevated Installation >30' To 35', Add	11.85	
		For Elevated Installation >35' To 40', Add	14.81	
		For Elevated Installation >40', Add	16.29	
26 05 33 13-0364	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	42.92	12.79
		For Work In Restricted Working Space, Add	9.60	
		For Elevated Installation >10' To 15', Add	3.20	
		For Elevated Installation >15' To 20', Add	6.40	
		For Elevated Installation >20' To 25', Add	8.00	
		For Elevated Installation >25' To 30', Add	11.20	
		For Elevated Installation >30' To 35', Add	12.80	
		For Elevated Installation >35' To 40', Add	16.00	
		For Elevated Installation >40', Add	17.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0365	EA	1-1/2"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	50.77	14.21
			For Work In Restricted Working Space, Add	10.66	
			For Elevated Installation >10' To 15', Add	3.55	
			For Elevated Installation >15' To 20', Add	7.11	
			For Elevated Installation >20' To 25', Add	8.89	
			For Elevated Installation >25' To 30', Add	12.44	
			For Elevated Installation >30' To 35', Add	14.22	
			For Elevated Installation >35' To 40', Add	17.77	
			For Elevated Installation >40', Add	19.55	
26 05 33 13-0366	EA	2"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	61.61	15.64
			For Work In Restricted Working Space, Add	11.73	
			For Elevated Installation >10' To 15', Add	3.91	
			For Elevated Installation >15' To 20', Add	7.82	
			For Elevated Installation >20' To 25', Add	9.77	
			For Elevated Installation >25' To 30', Add	13.68	
			For Elevated Installation >30' To 35', Add	15.64	
			For Elevated Installation >35' To 40', Add	19.55	
			For Elevated Installation >40', Add	21.50	
26 05 33 13-0367	EA	2-1/2"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	83.47	18.95
			For Work In Restricted Working Space, Add	14.21	
			For Elevated Installation >10' To 15', Add	4.74	
			For Elevated Installation >15' To 20', Add	9.48	
			For Elevated Installation >20' To 25', Add	11.85	
			For Elevated Installation >25' To 30', Add	16.58	
			For Elevated Installation >30' To 35', Add	18.95	
			For Elevated Installation >35' To 40', Add	23.69	
			For Elevated Installation >40', Add	26.06	
26 05 33 13-0368	EA	3"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	103.27	23.70
			For Work In Restricted Working Space, Add	17.77	
			For Elevated Installation >10' To 15', Add	5.92	
			For Elevated Installation >15' To 20', Add	11.85	
			For Elevated Installation >20' To 25', Add	14.81	
			For Elevated Installation >25' To 30', Add	20.73	
			For Elevated Installation >30' To 35', Add	23.69	
			For Elevated Installation >35' To 40', Add	29.62	
			For Elevated Installation >40', Add	32.58	
26 05 33 13-0369	EA	3-1/2"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	124.06	28.43
			For Work In Restricted Working Space, Add	21.32	
			For Elevated Installation >10' To 15', Add	7.11	
			For Elevated Installation >15' To 20', Add	14.22	
			For Elevated Installation >20' To 25', Add	17.77	
			For Elevated Installation >25' To 30', Add	24.88	
			For Elevated Installation >30' To 35', Add	28.43	
			For Elevated Installation >35' To 40', Add	35.54	
			For Elevated Installation >40', Add	39.09	
26 05 33 13-0370	EA	4"	Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector.....	139.92	30.80
			For Work In Restricted Working Space, Add	23.10	
			For Elevated Installation >10' To 15', Add	7.70	
			For Elevated Installation >15' To 20', Add	15.40	
			For Elevated Installation >20' To 25', Add	19.25	
			For Elevated Installation >25' To 30', Add	26.95	
			For Elevated Installation >30' To 35', Add	30.80	
			For Elevated Installation >35' To 40', Add	38.50	
			For Elevated Installation >40', Add	42.35	
26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0060)					
26 05 33 13-0372	EA	1/2"	Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	26.20	10.67
			For Work In Restricted Working Space, Add	6.40	
			For Elevated Installation >10' To 15', Add	2.13	
			For Elevated Installation >15' To 20', Add	4.26	
			For Elevated Installation >20' To 25', Add	5.33	
			For Elevated Installation >25' To 30', Add	7.46	
			For Elevated Installation >30' To 35', Add	8.53	
			For Elevated Installation >35' To 40', Add	10.66	
			For Elevated Installation >40', Add	11.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 33 13-0373	EA	3/4"	Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	29.21	11.85
			For Work In Restricted Working Space, Add	7.11	
			For Elevated Installation >10' To 15', Add	2.37	
			For Elevated Installation >15' To 20', Add	4.74	
			For Elevated Installation >20' To 25', Add	5.93	
			For Elevated Installation >25' To 30', Add	8.30	
			For Elevated Installation >30' To 35', Add	9.48	
			For Elevated Installation >35' To 40', Add	11.85	
			For Elevated Installation >40', Add	13.04	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 33 13-0374	EA	1"	Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	36.07	14.81
			For Work In Restricted Working Space, Add	8.88	
			For Elevated Installation >10' To 15', Add	2.96	
			For Elevated Installation >15' To 20', Add	5.92	
			For Elevated Installation >20' To 25', Add	7.40	
			For Elevated Installation >25' To 30', Add	10.36	
			For Elevated Installation >30' To 35', Add	11.84	
			For Elevated Installation >35' To 40', Add	14.81	
			For Elevated Installation >40', Add	16.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-0375	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	44.31	17.77
		For Work In Restricted Working Space, Add	10.66	
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.11	
		For Elevated Installation >20' To 25', Add	8.88	
		For Elevated Installation >25' To 30', Add	12.44	
		For Elevated Installation >30' To 35', Add	14.21	
		For Elevated Installation >35' To 40', Add	17.77	
		For Elevated Installation >40', Add	19.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.66	
26 05 33 13-0376	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	57.03	23.70
		For Work In Restricted Working Space, Add	14.21	
		For Elevated Installation >10' To 15', Add	4.74	
		For Elevated Installation >15' To 20', Add	9.48	
		For Elevated Installation >20' To 25', Add	11.85	
		For Elevated Installation >25' To 30', Add	16.58	
		For Elevated Installation >30' To 35', Add	18.95	
		For Elevated Installation >35' To 40', Add	23.69	
		For Elevated Installation >40', Add	26.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.21	
26 05 33 13-0377	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	66.20	26.65
		For Work In Restricted Working Space, Add	15.99	
		For Elevated Installation >10' To 15', Add	5.33	
		For Elevated Installation >15' To 20', Add	10.66	
		For Elevated Installation >20' To 25', Add	13.33	
		For Elevated Installation >25' To 30', Add	18.66	
		For Elevated Installation >30' To 35', Add	21.32	
		For Elevated Installation >35' To 40', Add	26.66	
		For Elevated Installation >40', Add	29.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.99	
26 05 33 13-0378	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	81.12	29.61
		For Work In Restricted Working Space, Add	17.77	
		For Elevated Installation >10' To 15', Add	5.92	
		For Elevated Installation >15' To 20', Add	11.85	
		For Elevated Installation >20' To 25', Add	14.81	
		For Elevated Installation >25' To 30', Add	20.73	
		For Elevated Installation >30' To 35', Add	23.69	
		For Elevated Installation >35' To 40', Add	29.62	
		For Elevated Installation >40', Add	32.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-0379	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	108.95	37.32
		For Work In Restricted Working Space, Add	22.39	
		For Elevated Installation >10' To 15', Add	7.46	
		For Elevated Installation >15' To 20', Add	14.93	
		For Elevated Installation >20' To 25', Add	18.66	
		For Elevated Installation >25' To 30', Add	26.12	
		For Elevated Installation >30' To 35', Add	29.85	
		For Elevated Installation >35' To 40', Add	37.32	
		For Elevated Installation >40', Add	41.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.39	
26 05 33 13-0380	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	129.43	45.02
		For Work In Restricted Working Space, Add	27.01	
		For Elevated Installation >10' To 15', Add	9.00	
		For Elevated Installation >15' To 20', Add	18.01	
		For Elevated Installation >20' To 25', Add	22.51	
		For Elevated Installation >25' To 30', Add	31.51	
		For Elevated Installation >30' To 35', Add	36.01	
		For Elevated Installation >35' To 40', Add	45.02	
		For Elevated Installation >40', Add	49.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.01	
26 05 33 13-0381	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	158.56	53.31
		For Work In Restricted Working Space, Add	31.98	
		For Elevated Installation >10' To 15', Add	10.66	
		For Elevated Installation >15' To 20', Add	21.32	
		For Elevated Installation >20' To 25', Add	26.65	
		For Elevated Installation >25' To 30', Add	37.31	
		For Elevated Installation >30' To 35', Add	42.64	
		For Elevated Installation >35' To 40', Add	53.31	
		For Elevated Installation >40', Add	58.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.98	

26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement (26 0533 13-0060)

Note: Type AX

26 05 33 13-0383	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	123.26	18.95
		For Work In Restricted Working Space, Add	14.22	
		For Elevated Installation >10' To 15', Add	4.74	
		For Elevated Installation >15' To 20', Add	9.48	
		For Elevated Installation >20' To 25', Add	11.85	
		For Elevated Installation >25' To 30', Add	16.59	
		For Elevated Installation >30' To 35', Add	18.96	
		For Elevated Installation >35' To 40', Add	23.70	
		For Elevated Installation >40', Add	26.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0384 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	139.92	21.32
For Work In Restricted Working Space, Add	15.99	
For Elevated Installation >10' To 15', Add	5.33	
For Elevated Installation >15' To 20', Add	10.66	
For Elevated Installation >20' To 25', Add	13.33	
For Elevated Installation >25' To 30', Add	18.66	
For Elevated Installation >30' To 35', Add	21.32	
For Elevated Installation >35' To 40', Add	26.66	
For Elevated Installation >40', Add	29.32	
26 05 33 13-0385 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	165.79	23.70
For Work In Restricted Working Space, Add	17.77	
For Elevated Installation >10' To 15', Add	5.92	
For Elevated Installation >15' To 20', Add	11.85	
For Elevated Installation >20' To 25', Add	14.81	
For Elevated Installation >25' To 30', Add	20.73	
For Elevated Installation >30' To 35', Add	23.70	
For Elevated Installation >35' To 40', Add	29.62	
For Elevated Installation >40', Add	32.58	
26 05 33 13-0386 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	203.16	26.06
For Work In Restricted Working Space, Add	19.55	
For Elevated Installation >10' To 15', Add	6.52	
For Elevated Installation >15' To 20', Add	13.03	
For Elevated Installation >20' To 25', Add	16.29	
For Elevated Installation >25' To 30', Add	22.80	
For Elevated Installation >30' To 35', Add	26.06	
For Elevated Installation >35' To 40', Add	32.58	
For Elevated Installation >40', Add	35.83	
26 05 33 13-0387 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	255.51	28.43
For Work In Restricted Working Space, Add	21.32	
For Elevated Installation >10' To 15', Add	7.11	
For Elevated Installation >15' To 20', Add	14.21	
For Elevated Installation >20' To 25', Add	17.77	
For Elevated Installation >25' To 30', Add	24.87	
For Elevated Installation >30' To 35', Add	28.43	
For Elevated Installation >35' To 40', Add	35.54	
For Elevated Installation >40', Add	39.09	
26 05 33 13-0388 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	353.64	30.80
For Work In Restricted Working Space, Add	23.10	
For Elevated Installation >10' To 15', Add	7.70	
For Elevated Installation >15' To 20', Add	15.40	
For Elevated Installation >20' To 25', Add	19.25	
For Elevated Installation >25' To 30', Add	26.95	
For Elevated Installation >30' To 35', Add	30.80	
For Elevated Installation >35' To 40', Add	38.50	
For Elevated Installation >40', Add	42.34	
26 05 33 13-0389 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	541.98	37.91
For Work In Restricted Working Space, Add	28.43	
For Elevated Installation >10' To 15', Add	9.48	
For Elevated Installation >15' To 20', Add	18.95	
For Elevated Installation >20' To 25', Add	23.69	
For Elevated Installation >25' To 30', Add	33.17	
For Elevated Installation >30' To 35', Add	37.90	
For Elevated Installation >35' To 40', Add	47.38	
For Elevated Installation >40', Add	52.12	
26 05 33 13-0390 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	694.46	47.38
For Work In Restricted Working Space, Add	35.54	
For Elevated Installation >10' To 15', Add	11.85	
For Elevated Installation >15' To 20', Add	23.69	
For Elevated Installation >20' To 25', Add	29.62	
For Elevated Installation >25' To 30', Add	41.46	
For Elevated Installation >30' To 35', Add	47.38	
For Elevated Installation >35' To 40', Add	59.23	
For Elevated Installation >40', Add	65.15	
26 05 33 13-0391 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,014.43	56.87
For Work In Restricted Working Space, Add	42.65	
For Elevated Installation >10' To 15', Add	14.22	
For Elevated Installation >15' To 20', Add	28.43	
For Elevated Installation >20' To 25', Add	35.54	
For Elevated Installation >25' To 30', Add	49.76	
For Elevated Installation >30' To 35', Add	56.87	
For Elevated Installation >35' To 40', Add	71.09	
For Elevated Installation >40', Add	78.19	
26 05 33 13-0392 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,081.32	61.60
For Work In Restricted Working Space, Add	46.20	
For Elevated Installation >10' To 15', Add	15.40	
For Elevated Installation >15' To 20', Add	30.80	
For Elevated Installation >20' To 25', Add	38.50	
For Elevated Installation >25' To 30', Add	53.90	
For Elevated Installation >30' To 35', Add	61.60	
For Elevated Installation >35' To 40', Add	77.00	
For Elevated Installation >40', Add	84.69	
26 05 33 13-0393 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,657.18	75.81
For Work In Restricted Working Space, Add	56.86	
For Elevated Installation >10' To 15', Add	18.95	
For Elevated Installation >15' To 20', Add	37.91	
For Elevated Installation >20' To 25', Add	47.39	
For Elevated Installation >25' To 30', Add	66.34	
For Elevated Installation >30' To 35', Add	75.82	
For Elevated Installation >35' To 40', Add	94.77	
For Elevated Installation >40', Add	104.25	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0394	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	2,036.17	84.11
		<i>For Work In Restricted Working Space, Add</i>	63.12	
		<i>For Elevated Installation >10' To 15', Add</i>	21.04	
		<i>For Elevated Installation >15' To 20', Add</i>	42.08	
		<i>For Elevated Installation >20' To 25', Add</i>	52.60	
		<i>For Elevated Installation >25' To 30', Add</i>	73.64	
		<i>For Elevated Installation >30' To 35', Add</i>	84.16	
		<i>For Elevated Installation >35' To 40', Add</i>	105.20	
		<i>For Elevated Installation >40', Add</i>	115.71	

26 05 33 13-0395 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement (26 0533 13-0060)

Note: Type AX-8

26 05 33 13-0396	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	135.94	18.95
		<i>For Work In Restricted Working Space, Add</i>	14.22	
		<i>For Elevated Installation >10' To 15', Add</i>	4.74	
		<i>For Elevated Installation >15' To 20', Add</i>	9.48	
		<i>For Elevated Installation >20' To 25', Add</i>	11.85	
		<i>For Elevated Installation >25' To 30', Add</i>	16.59	
		<i>For Elevated Installation >30' To 35', Add</i>	18.96	
		<i>For Elevated Installation >35' To 40', Add</i>	23.70	
		<i>For Elevated Installation >40', Add</i>	26.06	
26 05 33 13-0397	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	151.15	21.32
		<i>For Work In Restricted Working Space, Add</i>	15.99	
		<i>For Elevated Installation >10' To 15', Add</i>	5.33	
		<i>For Elevated Installation >15' To 20', Add</i>	10.66	
		<i>For Elevated Installation >20' To 25', Add</i>	13.33	
		<i>For Elevated Installation >25' To 30', Add</i>	18.66	
		<i>For Elevated Installation >30' To 35', Add</i>	21.32	
		<i>For Elevated Installation >35' To 40', Add</i>	26.66	
		<i>For Elevated Installation >40', Add</i>	29.32	
26 05 33 13-0398	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	183.42	23.70
		<i>For Work In Restricted Working Space, Add</i>	17.77	
		<i>For Elevated Installation >10' To 15', Add</i>	5.92	
		<i>For Elevated Installation >15' To 20', Add</i>	11.85	
		<i>For Elevated Installation >20' To 25', Add</i>	14.81	
		<i>For Elevated Installation >25' To 30', Add</i>	20.73	
		<i>For Elevated Installation >30' To 35', Add</i>	23.70	
		<i>For Elevated Installation >35' To 40', Add</i>	29.62	
		<i>For Elevated Installation >40', Add</i>	32.58	
26 05 33 13-0399	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	230.93	26.06
		<i>For Work In Restricted Working Space, Add</i>	19.55	
		<i>For Elevated Installation >10' To 15', Add</i>	6.52	
		<i>For Elevated Installation >15' To 20', Add</i>	13.03	
		<i>For Elevated Installation >20' To 25', Add</i>	16.29	
		<i>For Elevated Installation >25' To 30', Add</i>	22.80	
		<i>For Elevated Installation >30' To 35', Add</i>	26.06	
		<i>For Elevated Installation >35' To 40', Add</i>	32.58	
		<i>For Elevated Installation >40', Add</i>	35.83	
26 05 33 13-0400	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	310.69	28.43
		<i>For Work In Restricted Working Space, Add</i>	21.32	
		<i>For Elevated Installation >10' To 15', Add</i>	7.11	
		<i>For Elevated Installation >15' To 20', Add</i>	14.21	
		<i>For Elevated Installation >20' To 25', Add</i>	17.77	
		<i>For Elevated Installation >25' To 30', Add</i>	24.87	
		<i>For Elevated Installation >30' To 35', Add</i>	28.43	
		<i>For Elevated Installation >35' To 40', Add</i>	35.54	
		<i>For Elevated Installation >40', Add</i>	39.09	
26 05 33 13-0401	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	380.01	30.80
		<i>For Work In Restricted Working Space, Add</i>	23.10	
		<i>For Elevated Installation >10' To 15', Add</i>	7.70	
		<i>For Elevated Installation >15' To 20', Add</i>	15.40	
		<i>For Elevated Installation >20' To 25', Add</i>	19.25	
		<i>For Elevated Installation >25' To 30', Add</i>	26.95	
		<i>For Elevated Installation >30' To 35', Add</i>	30.80	
		<i>For Elevated Installation >35' To 40', Add</i>	38.50	
		<i>For Elevated Installation >40', Add</i>	42.34	
26 05 33 13-0402	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	712.91	37.91
		<i>For Work In Restricted Working Space, Add</i>	28.43	
		<i>For Elevated Installation >10' To 15', Add</i>	9.48	
		<i>For Elevated Installation >15' To 20', Add</i>	18.95	
		<i>For Elevated Installation >20' To 25', Add</i>	23.69	
		<i>For Elevated Installation >25' To 30', Add</i>	33.17	
		<i>For Elevated Installation >30' To 35', Add</i>	37.90	
		<i>For Elevated Installation >35' To 40', Add</i>	47.38	
		<i>For Elevated Installation >40', Add</i>	52.12	
26 05 33 13-0403	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	811.18	47.38
		<i>For Work In Restricted Working Space, Add</i>	35.54	
		<i>For Elevated Installation >10' To 15', Add</i>	11.85	
		<i>For Elevated Installation >15' To 20', Add</i>	23.69	
		<i>For Elevated Installation >20' To 25', Add</i>	29.62	
		<i>For Elevated Installation >25' To 30', Add</i>	41.46	
		<i>For Elevated Installation >30' To 35', Add</i>	47.38	
		<i>For Elevated Installation >35' To 40', Add</i>	59.23	
		<i>For Elevated Installation >40', Add</i>	65.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0404	EA		3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,245.09	56.87
			For Work In Restricted Working Space, Add	42.65	
			For Elevated Installation >10' To 15', Add	14.22	
			For Elevated Installation >15' To 20', Add	28.43	
			For Elevated Installation >20' To 25', Add	35.54	
			For Elevated Installation >25' To 30', Add	49.76	
			For Elevated Installation >30' To 35', Add	56.87	
			For Elevated Installation >35' To 40', Add	71.09	
			For Elevated Installation >40', Add	78.19	
26 05 33 13-0405	EA		4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,347.92	61.60
			For Work In Restricted Working Space, Add	46.20	
			For Elevated Installation >10' To 15', Add	15.40	
			For Elevated Installation >15' To 20', Add	30.80	
			For Elevated Installation >20' To 25', Add	38.50	
			For Elevated Installation >25' To 30', Add	53.90	
			For Elevated Installation >30' To 35', Add	61.60	
			For Elevated Installation >35' To 40', Add	77.00	
			For Elevated Installation >40', Add	84.69	
26 05 33 13-0406	EA		5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,881.91	75.81
			For Work In Restricted Working Space, Add	56.86	
			For Elevated Installation >10' To 15', Add	18.95	
			For Elevated Installation >15' To 20', Add	37.91	
			For Elevated Installation >20' To 25', Add	47.39	
			For Elevated Installation >25' To 30', Add	66.34	
			For Elevated Installation >30' To 35', Add	75.82	
			For Elevated Installation >35' To 40', Add	94.77	
			For Elevated Installation >40', Add	104.25	
26 05 33 13-0407	EA		6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,325.30	84.11
			For Work In Restricted Working Space, Add	63.12	
			For Elevated Installation >10' To 15', Add	21.04	
			For Elevated Installation >15' To 20', Add	42.08	
			For Elevated Installation >20' To 25', Add	52.60	
			For Elevated Installation >25' To 30', Add	73.64	
			For Elevated Installation >30' To 35', Add	84.16	
			For Elevated Installation >35' To 40', Add	105.20	
			For Elevated Installation >40', Add	115.71	
26 05 33 13-0408	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement (26 05 33 13-0060)				
	Note: Type EX				
26 05 33 13-0409	EA		1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	154.50	18.95
			For Work In Restricted Working Space, Add	14.22	
			For Elevated Installation >10' To 15', Add	4.74	
			For Elevated Installation >15' To 20', Add	9.48	
			For Elevated Installation >20' To 25', Add	11.85	
			For Elevated Installation >25' To 30', Add	16.59	
			For Elevated Installation >30' To 35', Add	18.96	
			For Elevated Installation >35' To 40', Add	23.70	
			For Elevated Installation >40', Add	26.06	
26 05 33 13-0410	EA		3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	194.92	21.32
			For Work In Restricted Working Space, Add	15.99	
			For Elevated Installation >10' To 15', Add	5.33	
			For Elevated Installation >15' To 20', Add	10.66	
			For Elevated Installation >20' To 25', Add	13.33	
			For Elevated Installation >25' To 30', Add	18.66	
			For Elevated Installation >30' To 35', Add	21.32	
			For Elevated Installation >35' To 40', Add	26.66	
			For Elevated Installation >40', Add	29.32	
26 05 33 13-0411	EA		1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	242.54	23.70
			For Work In Restricted Working Space, Add	17.77	
			For Elevated Installation >10' To 15', Add	5.92	
			For Elevated Installation >15' To 20', Add	11.85	
			For Elevated Installation >20' To 25', Add	14.81	
			For Elevated Installation >25' To 30', Add	20.73	
			For Elevated Installation >30' To 35', Add	23.70	
			For Elevated Installation >35' To 40', Add	29.62	
			For Elevated Installation >40', Add	32.58	
26 05 33 13-0412	EA		1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	294.95	26.06
			For Work In Restricted Working Space, Add	19.55	
			For Elevated Installation >10' To 15', Add	6.52	
			For Elevated Installation >15' To 20', Add	13.03	
			For Elevated Installation >20' To 25', Add	16.29	
			For Elevated Installation >25' To 30', Add	22.80	
			For Elevated Installation >30' To 35', Add	26.06	
			For Elevated Installation >35' To 40', Add	32.58	
			For Elevated Installation >40', Add	35.83	
26 05 33 13-0413	EA		1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	397.37	28.43
			For Work In Restricted Working Space, Add	21.32	
			For Elevated Installation >10' To 15', Add	7.11	
			For Elevated Installation >15' To 20', Add	14.21	
			For Elevated Installation >20' To 25', Add	17.77	
			For Elevated Installation >25' To 30', Add	24.87	
			For Elevated Installation >30' To 35', Add	28.43	
			For Elevated Installation >35' To 40', Add	35.54	
			For Elevated Installation >40', Add	39.09	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0414	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	547.52	30.80
		For Work In Restricted Working Space, Add	23.10	
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.34	
26 05 33 13-0415	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	850.82	37.91
		For Work In Restricted Working Space, Add	28.43	
		For Elevated Installation >10' To 15', Add	9.48	
		For Elevated Installation >15' To 20', Add	18.95	
		For Elevated Installation >20' To 25', Add	23.69	
		For Elevated Installation >25' To 30', Add	33.17	
		For Elevated Installation >30' To 35', Add	37.90	
		For Elevated Installation >35' To 40', Add	47.38	
		For Elevated Installation >40', Add	52.12	
26 05 33 13-0416	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,146.97	47.38
		For Work In Restricted Working Space, Add	35.54	
		For Elevated Installation >10' To 15', Add	11.85	
		For Elevated Installation >15' To 20', Add	23.69	
		For Elevated Installation >20' To 25', Add	29.62	
		For Elevated Installation >25' To 30', Add	41.46	
		For Elevated Installation >30' To 35', Add	47.38	
		For Elevated Installation >35' To 40', Add	59.23	
		For Elevated Installation >40', Add	65.15	
26 05 33 13-0417	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,722.69	56.87
		For Work In Restricted Working Space, Add	42.65	
		For Elevated Installation >10' To 15', Add	14.22	
		For Elevated Installation >15' To 20', Add	28.43	
		For Elevated Installation >20' To 25', Add	35.54	
		For Elevated Installation >25' To 30', Add	49.76	
		For Elevated Installation >30' To 35', Add	56.87	
		For Elevated Installation >35' To 40', Add	71.09	
		For Elevated Installation >40', Add	78.19	
26 05 33 13-0418	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,782.95	61.60
		For Work In Restricted Working Space, Add	46.20	
		For Elevated Installation >10' To 15', Add	15.40	
		For Elevated Installation >15' To 20', Add	30.80	
		For Elevated Installation >20' To 25', Add	38.50	
		For Elevated Installation >25' To 30', Add	53.90	
		For Elevated Installation >30' To 35', Add	61.60	
		For Elevated Installation >35' To 40', Add	77.00	
		For Elevated Installation >40', Add	84.69	
26 05 33 13-0419	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,683.81	75.81
		For Work In Restricted Working Space, Add	56.86	
		For Elevated Installation >10' To 15', Add	18.95	
		For Elevated Installation >15' To 20', Add	37.91	
		For Elevated Installation >20' To 25', Add	47.39	
		For Elevated Installation >25' To 30', Add	66.34	
		For Elevated Installation >30' To 35', Add	75.82	
		For Elevated Installation >35' To 40', Add	94.77	
		For Elevated Installation >40', Add	104.25	
26 05 33 13-0420	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	3,327.42	84.11
		For Work In Restricted Working Space, Add	63.12	
		For Elevated Installation >10' To 15', Add	21.04	
		For Elevated Installation >15' To 20', Add	42.08	
		For Elevated Installation >20' To 25', Add	52.60	
		For Elevated Installation >25' To 30', Add	73.64	
		For Elevated Installation >30' To 35', Add	84.16	
		For Elevated Installation >35' To 40', Add	105.20	
		For Elevated Installation >40', Add	115.71	

26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings

(26 05 33 13-0060)

Note: Type DX

26 05 33 13-0422	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	268.97	18.95
		For Work In Restricted Working Space, Add	14.22	
		For Elevated Installation >10' To 15', Add	4.74	
		For Elevated Installation >15' To 20', Add	9.48	
		For Elevated Installation >20' To 25', Add	11.85	
		For Elevated Installation >25' To 30', Add	16.59	
		For Elevated Installation >30' To 35', Add	18.96	
		For Elevated Installation >35' To 40', Add	23.70	
		For Elevated Installation >40', Add	26.06	
26 05 33 13-0423	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	320.45	21.32
		For Work In Restricted Working Space, Add	15.99	
		For Elevated Installation >10' To 15', Add	5.33	
		For Elevated Installation >15' To 20', Add	10.66	
		For Elevated Installation >20' To 25', Add	13.33	
		For Elevated Installation >25' To 30', Add	18.66	
		For Elevated Installation >30' To 35', Add	21.32	
		For Elevated Installation >35' To 40', Add	26.66	
		For Elevated Installation >40', Add	29.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0424	EA	1"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	387.41	23.70
			For Work In Restricted Working Space, Add	17.77	
			For Elevated Installation >10' To 15', Add	5.92	
			For Elevated Installation >15' To 20', Add	11.85	
			For Elevated Installation >20' To 25', Add	14.81	
			For Elevated Installation >25' To 30', Add	20.73	
			For Elevated Installation >30' To 35', Add	23.70	
			For Elevated Installation >35' To 40', Add	29.62	
			For Elevated Installation >40', Add	32.58	
26 05 33 13-0425	EA	1-1/4"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	455.46	26.06
			For Work In Restricted Working Space, Add	19.55	
			For Elevated Installation >10' To 15', Add	6.52	
			For Elevated Installation >15' To 20', Add	13.03	
			For Elevated Installation >20' To 25', Add	16.29	
			For Elevated Installation >25' To 30', Add	22.80	
			For Elevated Installation >30' To 35', Add	26.06	
			For Elevated Installation >35' To 40', Add	32.58	
			For Elevated Installation >40', Add	35.83	
26 05 33 13-0426	EA	1-1/2"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	503.68	28.43
			For Work In Restricted Working Space, Add	21.32	
			For Elevated Installation >10' To 15', Add	7.11	
			For Elevated Installation >15' To 20', Add	14.21	
			For Elevated Installation >20' To 25', Add	17.77	
			For Elevated Installation >25' To 30', Add	24.87	
			For Elevated Installation >30' To 35', Add	28.43	
			For Elevated Installation >35' To 40', Add	35.54	
			For Elevated Installation >40', Add	39.09	
26 05 33 13-0427	EA	2"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	622.59	30.80
			For Work In Restricted Working Space, Add	23.10	
			For Elevated Installation >10' To 15', Add	7.70	
			For Elevated Installation >15' To 20', Add	15.40	
			For Elevated Installation >20' To 25', Add	19.25	
			For Elevated Installation >25' To 30', Add	26.95	
			For Elevated Installation >30' To 35', Add	30.80	
			For Elevated Installation >35' To 40', Add	38.50	
			For Elevated Installation >40', Add	42.34	
26 05 33 13-0428	EA	2-1/2"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	822.95	37.91
			For Work In Restricted Working Space, Add	28.43	
			For Elevated Installation >10' To 15', Add	9.48	
			For Elevated Installation >15' To 20', Add	18.95	
			For Elevated Installation >20' To 25', Add	23.69	
			For Elevated Installation >25' To 30', Add	33.17	
			For Elevated Installation >30' To 35', Add	37.90	
			For Elevated Installation >35' To 40', Add	47.38	
			For Elevated Installation >40', Add	52.12	
26 05 33 13-0429	EA	3"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,043.69	47.38
			For Work In Restricted Working Space, Add	35.54	
			For Elevated Installation >10' To 15', Add	11.85	
			For Elevated Installation >15' To 20', Add	23.69	
			For Elevated Installation >20' To 25', Add	29.62	
			For Elevated Installation >25' To 30', Add	41.46	
			For Elevated Installation >30' To 35', Add	47.38	
			For Elevated Installation >35' To 40', Add	59.23	
			For Elevated Installation >40', Add	65.15	
26 05 33 13-0430	EA	3-1/2"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,174.28	56.87
			For Work In Restricted Working Space, Add	42.65	
			For Elevated Installation >10' To 15', Add	14.22	
			For Elevated Installation >15' To 20', Add	28.43	
			For Elevated Installation >20' To 25', Add	35.54	
			For Elevated Installation >25' To 30', Add	49.76	
			For Elevated Installation >30' To 35', Add	56.87	
			For Elevated Installation >35' To 40', Add	71.09	
			For Elevated Installation >40', Add	78.19	
26 05 33 13-0431	EA	4"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,424.11	61.60
			For Work In Restricted Working Space, Add	46.20	
			For Elevated Installation >10' To 15', Add	15.40	
			For Elevated Installation >15' To 20', Add	30.80	
			For Elevated Installation >20' To 25', Add	38.50	
			For Elevated Installation >25' To 30', Add	53.90	
			For Elevated Installation >30' To 35', Add	61.60	
			For Elevated Installation >35' To 40', Add	77.00	
			For Elevated Installation >40', Add	84.69	
26 05 33 13-0432	EA	5"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,436.36	75.81
			For Work In Restricted Working Space, Add	56.86	
			For Elevated Installation >10' To 15', Add	18.95	
			For Elevated Installation >15' To 20', Add	37.91	
			For Elevated Installation >20' To 25', Add	47.39	
			For Elevated Installation >25' To 30', Add	66.34	
			For Elevated Installation >30' To 35', Add	75.82	
			For Elevated Installation >35' To 40', Add	94.77	
			For Elevated Installation >40', Add	104.25	
26 05 33 13-0433	EA	6"	Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	3,874.64	84.11
			For Work In Restricted Working Space, Add	63.12	
			For Elevated Installation >10' To 15', Add	21.04	
			For Elevated Installation >15' To 20', Add	42.08	
			For Elevated Installation >20' To 25', Add	52.60	
			For Elevated Installation >25' To 30', Add	73.64	
			For Elevated Installation >30' To 35', Add	84.16	
			For Elevated Installation >35' To 40', Add	105.20	
			For Elevated Installation >40', Add	115.71	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0434 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers (26 05 33 13-0060)			
26 05 33 13-0435	EA 1/2" To 3/4" Conduit, 14" Bonding Jumper.....	69.38	9.47
	For Work In Restricted Working Space, Add	7.11	
	For Elevated Installation >10' To 15', Add	2.37	
	For Elevated Installation >15' To 20', Add	4.74	
	For Elevated Installation >20' To 25', Add	5.93	
	For Elevated Installation >25' To 30', Add	8.30	
	For Elevated Installation >30' To 35', Add	9.48	
	For Elevated Installation >35' To 40', Add	11.85	
	For Elevated Installation >40', Add	13.04	
26 05 33 13-0436	EA 1" To 1-1/4" Conduit, 14" Bonding Jumper.....	79.92	11.85
	For Work In Restricted Working Space, Add	8.89	
	For Elevated Installation >10' To 15', Add	2.96	
	For Elevated Installation >15' To 20', Add	5.92	
	For Elevated Installation >20' To 25', Add	7.41	
	For Elevated Installation >25' To 30', Add	10.37	
	For Elevated Installation >30' To 35', Add	11.85	
	For Elevated Installation >35' To 40', Add	14.81	
	For Elevated Installation >40', Add	16.29	
26 05 33 13-0437	EA 1-1/2" To 2" Conduit, 14" Bonding Jumper.....	98.52	14.21
	For Work In Restricted Working Space, Add	10.66	
	For Elevated Installation >10' To 15', Add	3.55	
	For Elevated Installation >15' To 20', Add	7.11	
	For Elevated Installation >20' To 25', Add	8.88	
	For Elevated Installation >25' To 30', Add	12.44	
	For Elevated Installation >30' To 35', Add	14.21	
	For Elevated Installation >35' To 40', Add	17.77	
	For Elevated Installation >40', Add	19.54	
26 05 33 13-0438	EA 2-1/2" To 3" Conduit, 14" Bonding Jumper.....	138.41	18.95
	For Work In Restricted Working Space, Add	14.21	
	For Elevated Installation >10' To 15', Add	4.74	
	For Elevated Installation >15' To 20', Add	9.48	
	For Elevated Installation >20' To 25', Add	11.85	
	For Elevated Installation >25' To 30', Add	16.58	
	For Elevated Installation >30' To 35', Add	18.95	
	For Elevated Installation >35' To 40', Add	23.69	
	For Elevated Installation >40', Add	26.06	
26 05 33 13-0439	EA 3-1/2" To 4" Conduit, 14" Bonding Jumper.....	209.71	28.43
	For Work In Restricted Working Space, Add	21.32	
	For Elevated Installation >10' To 15', Add	7.11	
	For Elevated Installation >15' To 20', Add	14.22	
	For Elevated Installation >20' To 25', Add	17.77	
	For Elevated Installation >25' To 30', Add	24.88	
	For Elevated Installation >30' To 35', Add	28.43	
	For Elevated Installation >35' To 40', Add	35.54	
	For Elevated Installation >40', Add	39.09	
26 05 33 13-0440	EA 5" To 6" Conduit, 14" Bonding Jumper.....	358.15	37.91
	For Work In Restricted Working Space, Add	28.43	
	For Elevated Installation >10' To 15', Add	9.48	
	For Elevated Installation >15' To 20', Add	18.95	
	For Elevated Installation >20' To 25', Add	23.69	
	For Elevated Installation >25' To 30', Add	33.17	
	For Elevated Installation >30' To 35', Add	37.90	
	For Elevated Installation >35' To 40', Add	47.38	
	For Elevated Installation >40', Add	52.12	
26 05 33 13-0441	EA 1/2" To 3/4" Conduit, 24" Bonding Jumper.....	77.21	9.47
	For Work In Restricted Working Space, Add	7.11	
	For Elevated Installation >10' To 15', Add	2.37	
	For Elevated Installation >15' To 20', Add	4.74	
	For Elevated Installation >20' To 25', Add	5.93	
	For Elevated Installation >25' To 30', Add	8.30	
	For Elevated Installation >30' To 35', Add	9.48	
	For Elevated Installation >35' To 40', Add	11.85	
	For Elevated Installation >40', Add	13.04	
26 05 33 13-0442	EA 1" To 1-1/4" Conduit, 24" Bonding Jumper.....	89.81	11.85
	For Work In Restricted Working Space, Add	8.89	
	For Elevated Installation >10' To 15', Add	2.96	
	For Elevated Installation >15' To 20', Add	5.92	
	For Elevated Installation >20' To 25', Add	7.41	
	For Elevated Installation >25' To 30', Add	10.37	
	For Elevated Installation >30' To 35', Add	11.85	
	For Elevated Installation >35' To 40', Add	14.81	
	For Elevated Installation >40', Add	16.29	
26 05 33 13-0443	EA 1-1/2" To 2" Conduit, 24" Bonding Jumper.....	107.58	14.21
	For Work In Restricted Working Space, Add	10.66	
	For Elevated Installation >10' To 15', Add	3.55	
	For Elevated Installation >15' To 20', Add	7.11	
	For Elevated Installation >20' To 25', Add	8.88	
	For Elevated Installation >25' To 30', Add	12.44	
	For Elevated Installation >30' To 35', Add	14.21	
	For Elevated Installation >35' To 40', Add	17.77	
	For Elevated Installation >40', Add	19.54	
26 05 33 13-0444	EA 2-1/2" To 3" Conduit, 24" Bonding Jumper.....	150.43	18.95
	For Work In Restricted Working Space, Add	14.21	
	For Elevated Installation >10' To 15', Add	4.74	
	For Elevated Installation >15' To 20', Add	9.48	
	For Elevated Installation >20' To 25', Add	11.85	
	For Elevated Installation >25' To 30', Add	16.58	
	For Elevated Installation >30' To 35', Add	18.95	
	For Elevated Installation >35' To 40', Add	23.69	
	For Elevated Installation >40', Add	26.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0445 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper	225.66	28.43
For Work In Restricted Working Space, Add	21.32	
For Elevated Installation >10' To 15', Add	7.11	
For Elevated Installation >15' To 20', Add	14.22	
For Elevated Installation >20' To 25', Add	17.77	
For Elevated Installation >25' To 30', Add	24.88	
For Elevated Installation >30' To 35', Add	28.43	
For Elevated Installation >35' To 40', Add	35.54	
For Elevated Installation >40', Add	39.09	
26 05 33 13-0446 EA 5" To 6" Conduit, 24" Bonding Jumper	409.58	37.91
For Work In Restricted Working Space, Add	28.43	
For Elevated Installation >10' To 15', Add	9.48	
For Elevated Installation >15' To 20', Add	18.95	
For Elevated Installation >20' To 25', Add	23.69	
For Elevated Installation >25' To 30', Add	33.17	
For Elevated Installation >30' To 35', Add	37.90	
For Elevated Installation >35' To 40', Add	47.38	
For Elevated Installation >40', Add	52.12	
26 05 33 13-0447 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0060)		
26 05 33 13-0448 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	100.00	29.61
For Work In Restricted Working Space, Add	17.77	
For Elevated Installation >10' To 15', Add	5.92	
For Elevated Installation >15' To 20', Add	11.85	
For Elevated Installation >20' To 25', Add	14.81	
For Elevated Installation >25' To 30', Add	20.73	
For Elevated Installation >30' To 35', Add	23.69	
For Elevated Installation >35' To 40', Add	29.62	
For Elevated Installation >40', Add	32.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-0449 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	118.97	35.53
For Work In Restricted Working Space, Add	21.32	
For Elevated Installation >10' To 15', Add	7.11	
For Elevated Installation >15' To 20', Add	14.22	
For Elevated Installation >20' To 25', Add	17.77	
For Elevated Installation >25' To 30', Add	24.88	
For Elevated Installation >30' To 35', Add	28.43	
For Elevated Installation >35' To 40', Add	35.54	
For Elevated Installation >40', Add	39.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.32	
26 05 33 13-0450 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	144.47	41.46
For Work In Restricted Working Space, Add	24.88	
For Elevated Installation >10' To 15', Add	8.29	
For Elevated Installation >15' To 20', Add	16.59	
For Elevated Installation >20' To 25', Add	20.73	
For Elevated Installation >25' To 30', Add	29.03	
For Elevated Installation >30' To 35', Add	33.17	
For Elevated Installation >35' To 40', Add	41.47	
For Elevated Installation >40', Add	45.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.88	
26 05 33 13-0451 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	169.50	47.38
For Work In Restricted Working Space, Add	28.43	
For Elevated Installation >10' To 15', Add	9.48	
For Elevated Installation >15' To 20', Add	18.95	
For Elevated Installation >20' To 25', Add	23.69	
For Elevated Installation >25' To 30', Add	33.17	
For Elevated Installation >30' To 35', Add	37.90	
For Elevated Installation >35' To 40', Add	47.38	
For Elevated Installation >40', Add	52.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.43	
26 05 33 13-0452 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	219.13	53.31
For Work In Restricted Working Space, Add	31.98	
For Elevated Installation >10' To 15', Add	10.66	
For Elevated Installation >15' To 20', Add	21.32	
For Elevated Installation >20' To 25', Add	26.65	
For Elevated Installation >25' To 30', Add	37.31	
For Elevated Installation >30' To 35', Add	42.64	
For Elevated Installation >35' To 40', Add	53.31	
For Elevated Installation >40', Add	58.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.98	
26 05 33 13-0453 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	264.24	59.23
For Work In Restricted Working Space, Add	35.54	
For Elevated Installation >10' To 15', Add	11.85	
For Elevated Installation >15' To 20', Add	23.69	
For Elevated Installation >20' To 25', Add	29.62	
For Elevated Installation >25' To 30', Add	41.46	
For Elevated Installation >30' To 35', Add	47.38	
For Elevated Installation >35' To 40', Add	59.23	
For Elevated Installation >40', Add	65.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.54	
26 05 33 13-0454 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	368.66	71.08
For Work In Restricted Working Space, Add	42.65	
For Elevated Installation >10' To 15', Add	14.22	
For Elevated Installation >15' To 20', Add	28.43	
For Elevated Installation >20' To 25', Add	35.54	
For Elevated Installation >25' To 30', Add	49.76	
For Elevated Installation >30' To 35', Add	56.86	
For Elevated Installation >35' To 40', Add	71.08	
For Elevated Installation >40', Add	78.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.65	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0455	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	442.52	82.93
		For Work In Restricted Working Space, Add	49.75	
		For Elevated Installation >10' To 15', Add	16.58	
		For Elevated Installation >15' To 20', Add	33.17	
		For Elevated Installation >20' To 25', Add	41.46	
		For Elevated Installation >25' To 30', Add	58.04	
		For Elevated Installation >30' To 35', Add	66.34	
		For Elevated Installation >35' To 40', Add	82.92	
		For Elevated Installation >40', Add	91.21	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.75	
26 05 33 13-0456	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	987.51	94.76
		For Work In Restricted Working Space, Add	56.86	
		For Elevated Installation >10' To 15', Add	18.95	
		For Elevated Installation >15' To 20', Add	37.91	
		For Elevated Installation >20' To 25', Add	47.39	
		For Elevated Installation >25' To 30', Add	66.34	
		For Elevated Installation >30' To 35', Add	75.82	
		For Elevated Installation >35' To 40', Add	94.77	
		For Elevated Installation >40', Add	104.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.86	
26 05 33 13-0457	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	1,136.76	106.61
		For Work In Restricted Working Space, Add	63.97	
		For Elevated Installation >10' To 15', Add	21.32	
		For Elevated Installation >15' To 20', Add	42.65	
		For Elevated Installation >20' To 25', Add	53.31	
		For Elevated Installation >25' To 30', Add	74.63	
		For Elevated Installation >30' To 35', Add	85.29	
		For Elevated Installation >35' To 40', Add	106.62	
		For Elevated Installation >40', Add	117.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.97	

26 05 33 13-0458 Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0060)

26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	15.66	7.11
		For Work In Restricted Working Space, Add	4.26	
		For Elevated Installation >10' To 15', Add	1.42	
		For Elevated Installation >15' To 20', Add	2.84	
		For Elevated Installation >20' To 25', Add	3.55	
		For Elevated Installation >25' To 30', Add	4.97	
		For Elevated Installation >30' To 35', Add	5.68	
		For Elevated Installation >35' To 40', Add	7.11	
		For Elevated Installation >40', Add	7.82	
26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	21.96	10.07
		For Work In Restricted Working Space, Add	6.04	
		For Elevated Installation >10' To 15', Add	2.01	
		For Elevated Installation >15' To 20', Add	4.03	
		For Elevated Installation >20' To 25', Add	5.04	
		For Elevated Installation >25' To 30', Add	7.05	
		For Elevated Installation >30' To 35', Add	8.06	
		For Elevated Installation >35' To 40', Add	10.07	
		For Elevated Installation >40', Add	11.08	
26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	28.83	13.03
		For Work In Restricted Working Space, Add	7.82	
		For Elevated Installation >10' To 15', Add	2.61	
		For Elevated Installation >15' To 20', Add	5.21	
		For Elevated Installation >20' To 25', Add	6.52	
		For Elevated Installation >25' To 30', Add	9.12	
		For Elevated Installation >30' To 35', Add	10.42	
		For Elevated Installation >35' To 40', Add	13.03	
		For Elevated Installation >40', Add	14.33	
26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	33.11	14.81
		For Work In Restricted Working Space, Add	8.88	
		For Elevated Installation >10' To 15', Add	2.96	
		For Elevated Installation >15' To 20', Add	5.92	
		For Elevated Installation >20' To 25', Add	7.40	
		For Elevated Installation >25' To 30', Add	10.36	
		For Elevated Installation >30' To 35', Add	11.84	
		For Elevated Installation >35' To 40', Add	14.81	
		For Elevated Installation >40', Add	16.29	
26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	39.91	17.77
		For Work In Restricted Working Space, Add	10.66	
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.11	
		For Elevated Installation >20' To 25', Add	8.88	
		For Elevated Installation >25' To 30', Add	12.44	
		For Elevated Installation >30' To 35', Add	14.21	
		For Elevated Installation >35' To 40', Add	17.77	
		For Elevated Installation >40', Add	19.54	
26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	46.81	20.14
		For Work In Restricted Working Space, Add	12.08	
		For Elevated Installation >10' To 15', Add	4.03	
		For Elevated Installation >15' To 20', Add	8.06	
		For Elevated Installation >20' To 25', Add	10.07	
		For Elevated Installation >25' To 30', Add	14.10	
		For Elevated Installation >30' To 35', Add	16.11	
		For Elevated Installation >35' To 40', Add	20.14	
		For Elevated Installation >40', Add	22.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0465	EA		2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	59.68	22.50
			For Work In Restricted Working Space, Add	13.51	
			For Elevated Installation >10' To 15', Add	4.50	
			For Elevated Installation >15' To 20', Add	9.00	
			For Elevated Installation >20' To 25', Add	11.26	
			For Elevated Installation >25' To 30', Add	15.76	
			For Elevated Installation >30' To 35', Add	18.01	
			For Elevated Installation >35' To 40', Add	22.51	
			For Elevated Installation >40', Add	24.76	
26 05 33 13-0466	EA		3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	70.00	25.47
			For Work In Restricted Working Space, Add	15.28	
			For Elevated Installation >10' To 15', Add	5.09	
			For Elevated Installation >15' To 20', Add	10.19	
			For Elevated Installation >20' To 25', Add	12.74	
			For Elevated Installation >25' To 30', Add	17.83	
			For Elevated Installation >30' To 35', Add	20.38	
			For Elevated Installation >35' To 40', Add	25.47	
			For Elevated Installation >40', Add	28.02	
26 05 33 13-0467	EA		3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	81.42	27.84
			For Work In Restricted Working Space, Add	16.70	
			For Elevated Installation >10' To 15', Add	5.57	
			For Elevated Installation >15' To 20', Add	11.13	
			For Elevated Installation >20' To 25', Add	13.92	
			For Elevated Installation >25' To 30', Add	19.48	
			For Elevated Installation >30' To 35', Add	22.27	
			For Elevated Installation >35' To 40', Add	27.84	
			For Elevated Installation >40', Add	30.62	
26 05 33 13-0468	EA		4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	86.05	29.61
			For Work In Restricted Working Space, Add	17.77	
			For Elevated Installation >10' To 15', Add	5.92	
			For Elevated Installation >15' To 20', Add	11.85	
			For Elevated Installation >20' To 25', Add	14.81	
			For Elevated Installation >25' To 30', Add	20.73	
			For Elevated Installation >30' To 35', Add	23.69	
			For Elevated Installation >35' To 40', Add	29.62	
			For Elevated Installation >40', Add	32.58	
26 05 33 13-0469 Rigid Galvanized Steel (RGS) Sealing Locknut (26 05 33 13-0060)					
26 05 33 13-0470	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.65	1.18
26 05 33 13-0471	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	5.04	1.77
26 05 33 13-0472	EA		1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	8.36	2.96
26 05 33 13-0473	EA		1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	12.10	4.15
26 05 33 13-0474	EA		1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	14.50	4.74
26 05 33 13-0475	EA		2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	17.08	5.33
26 05 33 13-0476 Rigid Galvanized Steel (RGS) Fire Stop Fittings (26 05 33 13-0060)					
26 05 33 13-0477	EA		1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	198.38	14.38
			For Work In Restricted Working Space, Add	10.78	
			For Elevated Installation >10' To 15', Add	3.59	
			For Elevated Installation >15' To 20', Add	7.19	
			For Elevated Installation >20' To 25', Add	8.99	
			For Elevated Installation >25' To 30', Add	12.58	
			For Elevated Installation >30' To 35', Add	14.38	
			For Elevated Installation >35' To 40', Add	17.97	
			For Elevated Installation >40', Add	19.77	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.78	
26 05 33 13-0478	EA		3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	201.85	15.76
			For Work In Restricted Working Space, Add	11.82	
			For Elevated Installation >10' To 15', Add	3.94	
			For Elevated Installation >15' To 20', Add	7.88	
			For Elevated Installation >20' To 25', Add	9.85	
			For Elevated Installation >25' To 30', Add	13.79	
			For Elevated Installation >30' To 35', Add	15.76	
			For Elevated Installation >35' To 40', Add	19.71	
			For Elevated Installation >40', Add	21.68	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.82	
26 05 33 13-0479	EA		1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	241.96	17.29
			For Work In Restricted Working Space, Add	12.95	
			For Elevated Installation >10' To 15', Add	4.32	
			For Elevated Installation >15' To 20', Add	8.63	
			For Elevated Installation >20' To 25', Add	10.79	
			For Elevated Installation >25' To 30', Add	15.10	
			For Elevated Installation >30' To 35', Add	17.26	
			For Elevated Installation >35' To 40', Add	21.58	
			For Elevated Installation >40', Add	23.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.95	
26 05 33 13-0480	EA		1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	265.63	18.95
			For Work In Restricted Working Space, Add	14.23	
			For Elevated Installation >10' To 15', Add	4.74	
			For Elevated Installation >15' To 20', Add	9.48	
			For Elevated Installation >20' To 25', Add	11.86	
			For Elevated Installation >25' To 30', Add	16.60	
			For Elevated Installation >30' To 35', Add	18.97	
			For Elevated Installation >35' To 40', Add	23.71	
			For Elevated Installation >40', Add	26.08	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.23	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-0481	EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	303.04	21.32
	For Work In Restricted Working Space, Add	15.99	
	For Elevated Installation >10' To 15', Add	5.33	
	For Elevated Installation >15' To 20', Add	10.66	
	For Elevated Installation >20' To 25', Add	13.33	
	For Elevated Installation >25' To 30', Add	18.66	
	For Elevated Installation >30' To 35', Add	21.32	
	For Elevated Installation >35' To 40', Add	26.66	
	For Elevated Installation >40', Add	29.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.99	
26 05 33 13-0482	EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	447.19	23.70
	For Work In Restricted Working Space, Add	17.78	
	For Elevated Installation >10' To 15', Add	5.93	
	For Elevated Installation >15' To 20', Add	11.85	
	For Elevated Installation >20' To 25', Add	14.82	
	For Elevated Installation >25' To 30', Add	20.74	
	For Elevated Installation >30' To 35', Add	23.70	
	For Elevated Installation >35' To 40', Add	29.63	
	For Elevated Installation >40', Add	32.59	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.78	
26 05 33 13-0483	EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	515.44	31.63
	For Work In Restricted Working Space, Add	23.71	
	For Elevated Installation >10' To 15', Add	7.90	
	For Elevated Installation >15' To 20', Add	15.80	
	For Elevated Installation >20' To 25', Add	19.76	
	For Elevated Installation >25' To 30', Add	27.66	
	For Elevated Installation >30' To 35', Add	31.61	
	For Elevated Installation >35' To 40', Add	39.51	
	For Elevated Installation >40', Add	43.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.71	
26 05 33 13-0484	EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	571.75	34.71
	For Work In Restricted Working Space, Add	26.05	
	For Elevated Installation >10' To 15', Add	8.68	
	For Elevated Installation >15' To 20', Add	17.37	
	For Elevated Installation >20' To 25', Add	21.71	
	For Elevated Installation >25' To 30', Add	30.39	
	For Elevated Installation >30' To 35', Add	34.74	
	For Elevated Installation >35' To 40', Add	43.42	
	For Elevated Installation >40', Add	47.76	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.05	
26 05 33 13-0485	EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	664.55	37.91
	For Work In Restricted Working Space, Add	28.43	
	For Elevated Installation >10' To 15', Add	9.48	
	For Elevated Installation >15' To 20', Add	18.96	
	For Elevated Installation >20' To 25', Add	23.70	
	For Elevated Installation >25' To 30', Add	33.17	
	For Elevated Installation >30' To 35', Add	37.91	
	For Elevated Installation >35' To 40', Add	47.39	
	For Elevated Installation >40', Add	52.13	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.43	
26 05 33 13-0486	EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	749.11	42.64
	For Work In Restricted Working Space, Add	31.98	
	For Elevated Installation >10' To 15', Add	10.66	
	For Elevated Installation >15' To 20', Add	21.32	
	For Elevated Installation >20' To 25', Add	26.65	
	For Elevated Installation >25' To 30', Add	37.31	
	For Elevated Installation >30' To 35', Add	42.64	
	For Elevated Installation >35' To 40', Add	53.31	
	For Elevated Installation >40', Add	58.64	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.98	
26 05 33 13-0487	EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,003.41	47.38
	For Work In Restricted Working Space, Add	35.54	
	For Elevated Installation >10' To 15', Add	11.85	
	For Elevated Installation >15' To 20', Add	23.69	
	For Elevated Installation >20' To 25', Add	29.62	
	For Elevated Installation >25' To 30', Add	41.46	
	For Elevated Installation >30' To 35', Add	47.38	
	For Elevated Installation >35' To 40', Add	59.23	
	For Elevated Installation >40', Add	65.15	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.54	
26 05 33 13-0488	EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,246.78	52.59
	For Work In Restricted Working Space, Add	39.45	
	For Elevated Installation >10' To 15', Add	13.15	
	For Elevated Installation >15' To 20', Add	26.30	
	For Elevated Installation >20' To 25', Add	32.87	
	For Elevated Installation >25' To 30', Add	46.02	
	For Elevated Installation >30' To 35', Add	52.60	
	For Elevated Installation >35' To 40', Add	65.75	
	For Elevated Installation >40', Add	72.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.45	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0060)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	19.35	9.18
		For Work In Restricted Working Space, Add		5.51	
		For Elevated Installation >10' To 15', Add		1.84	
		For Elevated Installation >15' To 20', Add		3.67	
		For Elevated Installation >20' To 25', Add		4.59	
		For Elevated Installation >25' To 30', Add		6.43	
		For Elevated Installation >30' To 35', Add		7.34	
		For Elevated Installation >35' To 40', Add		9.18	
		For Elevated Installation >40', Add		10.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		5.51	
26 05 33 13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	21.37	9.77
		For Work In Restricted Working Space, Add		5.87	
		For Elevated Installation >10' To 15', Add		1.96	
		For Elevated Installation >15' To 20', Add		3.91	
		For Elevated Installation >20' To 25', Add		4.89	
		For Elevated Installation >25' To 30', Add		6.84	
		For Elevated Installation >30' To 35', Add		7.82	
		For Elevated Installation >35' To 40', Add		9.78	
		For Elevated Installation >40', Add		10.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		5.87	
26 05 33 13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	21.96	10.07
		For Work In Restricted Working Space, Add		6.04	
		For Elevated Installation >10' To 15', Add		2.01	
		For Elevated Installation >15' To 20', Add		4.03	
		For Elevated Installation >20' To 25', Add		5.04	
		For Elevated Installation >25' To 30', Add		7.05	
		For Elevated Installation >30' To 35', Add		8.06	
		For Elevated Installation >35' To 40', Add		10.07	
		For Elevated Installation >40', Add		11.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.04	
26 05 33 13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	25.45	10.36
		For Work In Restricted Working Space, Add		6.22	
		For Elevated Installation >10' To 15', Add		2.07	
		For Elevated Installation >15' To 20', Add		4.15	
		For Elevated Installation >20' To 25', Add		5.18	
		For Elevated Installation >25' To 30', Add		7.26	
		For Elevated Installation >30' To 35', Add		8.29	
		For Elevated Installation >35' To 40', Add		10.37	
		For Elevated Installation >40', Add		11.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.22	
26 05 33 13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	26.04	10.67
		For Work In Restricted Working Space, Add		6.40	
		For Elevated Installation >10' To 15', Add		2.13	
		For Elevated Installation >15' To 20', Add		4.26	
		For Elevated Installation >20' To 25', Add		5.33	
		For Elevated Installation >25' To 30', Add		7.46	
		For Elevated Installation >30' To 35', Add		8.53	
		For Elevated Installation >35' To 40', Add		10.66	
		For Elevated Installation >40', Add		11.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.40	
26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	27.22	11.26
		For Work In Restricted Working Space, Add		6.75	
		For Elevated Installation >10' To 15', Add		2.25	
		For Elevated Installation >15' To 20', Add		4.50	
		For Elevated Installation >20' To 25', Add		5.63	
		For Elevated Installation >25' To 30', Add		7.88	
		For Elevated Installation >30' To 35', Add		9.00	
		For Elevated Installation >35' To 40', Add		11.25	
		For Elevated Installation >40', Add		12.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		6.75	
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	29.42	11.85
		For Work In Restricted Working Space, Add		7.11	
		For Elevated Installation >10' To 15', Add		2.37	
		For Elevated Installation >15' To 20', Add		4.74	
		For Elevated Installation >20' To 25', Add		5.93	
		For Elevated Installation >25' To 30', Add		8.30	
		For Elevated Installation >30' To 35', Add		9.48	
		For Elevated Installation >35' To 40', Add		11.85	
		For Elevated Installation >40', Add		13.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		7.11	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	30.01	12.14
		For Work In Restricted Working Space, Add		7.29	
		For Elevated Installation >10' To 15', Add		2.43	
		For Elevated Installation >15' To 20', Add		4.86	
		For Elevated Installation >20' To 25', Add		6.07	
		For Elevated Installation >25' To 30', Add		8.50	
		For Elevated Installation >30' To 35', Add		9.72	
		For Elevated Installation >35' To 40', Add		12.15	
		For Elevated Installation >40', Add		13.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		7.29	
26 05 33 13-0498	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	.....	31.19	12.73
		For Work In Restricted Working Space, Add		7.64	
		For Elevated Installation >10' To 15', Add		2.55	
		For Elevated Installation >15' To 20', Add		5.09	
		For Elevated Installation >20' To 25', Add		6.37	
		For Elevated Installation >25' To 30', Add		8.91	
		For Elevated Installation >30' To 35', Add		10.19	
		For Elevated Installation >35' To 40', Add		12.74	
		For Elevated Installation >40', Add		14.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		7.64	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0499	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	32.37	13.33
		For Work In Restricted Working Space, Add	8.00	
		For Elevated Installation >10' To 15', Add	2.67	
		For Elevated Installation >15' To 20', Add	5.33	
		For Elevated Installation >20' To 25', Add	6.66	
		For Elevated Installation >25' To 30', Add	9.33	
		For Elevated Installation >30' To 35', Add	10.66	
		For Elevated Installation >35' To 40', Add	13.33	
		For Elevated Installation >40', Add	14.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.00	
26 05 33 13-0500	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	39.21	13.33
		For Work In Restricted Working Space, Add	8.00	
		For Elevated Installation >10' To 15', Add	2.67	
		For Elevated Installation >15' To 20', Add	5.33	
		For Elevated Installation >20' To 25', Add	6.66	
		For Elevated Installation >25' To 30', Add	9.33	
		For Elevated Installation >30' To 35', Add	10.66	
		For Elevated Installation >35' To 40', Add	13.33	
		For Elevated Installation >40', Add	14.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.00	
26 05 33 13-0501	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	39.80	13.62
		For Work In Restricted Working Space, Add	8.17	
		For Elevated Installation >10' To 15', Add	2.72	
		For Elevated Installation >15' To 20', Add	5.45	
		For Elevated Installation >20' To 25', Add	6.81	
		For Elevated Installation >25' To 30', Add	9.53	
		For Elevated Installation >30' To 35', Add	10.90	
		For Elevated Installation >35' To 40', Add	13.62	
		For Elevated Installation >40', Add	14.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.17	
26 05 33 13-0502	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	40.99	14.21
		For Work In Restricted Working Space, Add	8.53	
		For Elevated Installation >10' To 15', Add	2.84	
		For Elevated Installation >15' To 20', Add	5.69	
		For Elevated Installation >20' To 25', Add	7.11	
		For Elevated Installation >25' To 30', Add	9.95	
		For Elevated Installation >30' To 35', Add	11.37	
		For Elevated Installation >35' To 40', Add	14.22	
		For Elevated Installation >40', Add	15.64	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.53	
26 05 33 13-0503	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	42.17	14.81
		For Work In Restricted Working Space, Add	8.88	
		For Elevated Installation >10' To 15', Add	2.96	
		For Elevated Installation >15' To 20', Add	5.92	
		For Elevated Installation >20' To 25', Add	7.40	
		For Elevated Installation >25' To 30', Add	10.36	
		For Elevated Installation >30' To 35', Add	11.84	
		For Elevated Installation >35' To 40', Add	14.81	
		For Elevated Installation >40', Add	16.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0504	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	45.14	16.29
		For Work In Restricted Working Space, Add	9.77	
		For Elevated Installation >10' To 15', Add	3.26	
		For Elevated Installation >15' To 20', Add	6.52	
		For Elevated Installation >20' To 25', Add	8.15	
		For Elevated Installation >25' To 30', Add	11.40	
		For Elevated Installation >30' To 35', Add	13.03	
		For Elevated Installation >35' To 40', Add	16.29	
		For Elevated Installation >40', Add	17.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.77	
26 05 33 13-0505	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	57.11	19.25
		For Work In Restricted Working Space, Add	11.55	
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts (26 05 33 13-0060)

26 05 33 13-0507	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	2.46	1.18
		For Work In Restricted Working Space, Add	0.71	
		For Elevated Installation >10' To 15', Add	0.24	
		For Elevated Installation >15' To 20', Add	0.47	
		For Elevated Installation >20' To 25', Add	0.59	
		For Elevated Installation >25' To 30', Add	0.83	
		For Elevated Installation >30' To 35', Add	0.95	
		For Elevated Installation >35' To 40', Add	1.19	
		For Elevated Installation >40', Add	1.30	
26 05 33 13-0508	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	3.69	1.77
		For Work In Restricted Working Space, Add	1.07	
		For Elevated Installation >10' To 15', Add	0.36	
		For Elevated Installation >15' To 20', Add	0.71	
		For Elevated Installation >20' To 25', Add	0.89	
		For Elevated Installation >25' To 30', Add	1.25	
		For Elevated Installation >30' To 35', Add	1.42	
		For Elevated Installation >35' To 40', Add	1.78	
		For Elevated Installation >40', Add	1.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0509	EA		1" Rigid Galvanized Steel (RGS) Locknuts.....	6.13	2.96
			For Work In Restricted Working Space, Add	1.78	
			For Elevated Installation >10' To 15', Add	0.59	
			For Elevated Installation >15' To 20', Add	1.18	
			For Elevated Installation >20' To 25', Add	1.48	
			For Elevated Installation >25' To 30', Add	2.07	
			For Elevated Installation >30' To 35', Add	2.37	
			For Elevated Installation >35' To 40', Add	2.96	
			For Elevated Installation >40', Add	3.26	
26 05 33 13-0510	EA		1-1/4" Rigid Galvanized Steel (RGS) Locknuts.....	8.64	4.15
			For Work In Restricted Working Space, Add	2.49	
			For Elevated Installation >10' To 15', Add	0.83	
			For Elevated Installation >15' To 20', Add	1.66	
			For Elevated Installation >20' To 25', Add	2.07	
			For Elevated Installation >25' To 30', Add	2.90	
			For Elevated Installation >30' To 35', Add	3.32	
			For Elevated Installation >35' To 40', Add	4.15	
			For Elevated Installation >40', Add	4.66	
26 05 33 13-0511	EA		1-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	9.92	4.74
			For Work In Restricted Working Space, Add	2.84	
			For Elevated Installation >10' To 15', Add	0.95	
			For Elevated Installation >15' To 20', Add	1.89	
			For Elevated Installation >20' To 25', Add	2.37	
			For Elevated Installation >25' To 30', Add	3.31	
			For Elevated Installation >30' To 35', Add	3.79	
			For Elevated Installation >35' To 40', Add	4.74	
			For Elevated Installation >40', Add	5.21	
26 05 33 13-0512	EA		2" Rigid Galvanized Steel (RGS) Locknuts.....	11.23	5.33
			For Work In Restricted Working Space, Add	3.20	
			For Elevated Installation >10' To 15', Add	1.07	
			For Elevated Installation >15' To 20', Add	2.13	
			For Elevated Installation >20' To 25', Add	2.67	
			For Elevated Installation >25' To 30', Add	3.73	
			For Elevated Installation >30' To 35', Add	4.27	
			For Elevated Installation >35' To 40', Add	5.34	
			For Elevated Installation >40', Add	5.87	
26 05 33 13-0513	EA		2-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	15.70	7.11
			For Work In Restricted Working Space, Add	4.26	
			For Elevated Installation >10' To 15', Add	1.42	
			For Elevated Installation >15' To 20', Add	2.84	
			For Elevated Installation >20' To 25', Add	3.55	
			For Elevated Installation >25' To 30', Add	4.97	
			For Elevated Installation >30' To 35', Add	5.68	
			For Elevated Installation >35' To 40', Add	7.11	
			For Elevated Installation >40', Add	7.82	
26 05 33 13-0514	EA		3" Rigid Galvanized Steel (RGS) Locknuts.....	19.41	8.88
			For Work In Restricted Working Space, Add	5.33	
			For Elevated Installation >10' To 15', Add	1.78	
			For Elevated Installation >15' To 20', Add	3.55	
			For Elevated Installation >20' To 25', Add	4.44	
			For Elevated Installation >25' To 30', Add	6.22	
			For Elevated Installation >30' To 35', Add	7.11	
			For Elevated Installation >35' To 40', Add	8.89	
			For Elevated Installation >40', Add	9.77	
26 05 33 13-0515	EA		3-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	22.87	10.07
			For Work In Restricted Working Space, Add	6.04	
			For Elevated Installation >10' To 15', Add	2.01	
			For Elevated Installation >15' To 20', Add	4.03	
			For Elevated Installation >20' To 25', Add	5.04	
			For Elevated Installation >25' To 30', Add	7.05	
			For Elevated Installation >30' To 35', Add	8.06	
			For Elevated Installation >35' To 40', Add	10.07	
			For Elevated Installation >40', Add	11.08	
26 05 33 13-0516	EA		4" Rigid Galvanized Steel (RGS) Locknuts.....	25.64	11.26
			For Work In Restricted Working Space, Add	6.75	
			For Elevated Installation >10' To 15', Add	2.25	
			For Elevated Installation >15' To 20', Add	4.50	
			For Elevated Installation >20' To 25', Add	5.63	
			For Elevated Installation >25' To 30', Add	7.88	
			For Elevated Installation >30' To 35', Add	9.00	
			For Elevated Installation >35' To 40', Add	11.25	
			For Elevated Installation >40', Add	12.38	
26 05 33 13-0517			Rigid Galvanized Steel (RGS) Grounding Locknuts (26 05 33 13-0060)		
26 05 33 13-0518	EA		1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	3.73	1.18
			For Work In Restricted Working Space, Add	0.71	
			For Elevated Installation >10' To 15', Add	0.24	
			For Elevated Installation >15' To 20', Add	0.47	
			For Elevated Installation >20' To 25', Add	0.59	
			For Elevated Installation >25' To 30', Add	0.83	
			For Elevated Installation >30' To 35', Add	0.95	
			For Elevated Installation >35' To 40', Add	1.19	
			For Elevated Installation >40', Add	1.30	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0519	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	5.19	1.77
		For Work In Restricted Working Space, Add	1.07	
		For Elevated Installation >10' To 15', Add	0.36	
		For Elevated Installation >15' To 20', Add	0.71	
		For Elevated Installation >20' To 25', Add	0.89	
		For Elevated Installation >25' To 30', Add	1.25	
		For Elevated Installation >30' To 35', Add	1.42	
		For Elevated Installation >35' To 40', Add	1.78	
		For Elevated Installation >40', Add	1.96	
26 05 33 13-0520	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	8.26	2.96
		For Work In Restricted Working Space, Add	1.78	
		For Elevated Installation >10' To 15', Add	0.59	
		For Elevated Installation >15' To 20', Add	1.18	
		For Elevated Installation >20' To 25', Add	1.48	
		For Elevated Installation >25' To 30', Add	2.07	
		For Elevated Installation >30' To 35', Add	2.37	
		For Elevated Installation >35' To 40', Add	2.96	
		For Elevated Installation >40', Add	3.26	
26 05 33 13-0521	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	11.54	4.15
		For Work In Restricted Working Space, Add	2.49	
		For Elevated Installation >10' To 15', Add	0.83	
		For Elevated Installation >15' To 20', Add	1.66	
		For Elevated Installation >20' To 25', Add	2.07	
		For Elevated Installation >25' To 30', Add	2.90	
		For Elevated Installation >30' To 35', Add	3.32	
		For Elevated Installation >35' To 40', Add	4.15	
		For Elevated Installation >40', Add	4.56	
26 05 33 13-0522	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	13.03	4.74
		For Work In Restricted Working Space, Add	2.84	
		For Elevated Installation >10' To 15', Add	0.95	
		For Elevated Installation >15' To 20', Add	1.89	
		For Elevated Installation >20' To 25', Add	2.37	
		For Elevated Installation >25' To 30', Add	3.31	
		For Elevated Installation >30' To 35', Add	3.79	
		For Elevated Installation >35' To 40', Add	4.74	
		For Elevated Installation >40', Add	5.21	
26 05 33 13-0523	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	15.32	5.33
		For Work In Restricted Working Space, Add	3.20	
		For Elevated Installation >10' To 15', Add	1.07	
		For Elevated Installation >15' To 20', Add	2.13	
		For Elevated Installation >20' To 25', Add	2.67	
		For Elevated Installation >25' To 30', Add	3.73	
		For Elevated Installation >30' To 35', Add	4.27	
		For Elevated Installation >35' To 40', Add	5.34	
		For Elevated Installation >40', Add	5.87	
26 05 33 13-0524	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	22.84	7.11
		For Work In Restricted Working Space, Add	4.26	
		For Elevated Installation >10' To 15', Add	1.42	
		For Elevated Installation >15' To 20', Add	2.84	
		For Elevated Installation >20' To 25', Add	3.55	
		For Elevated Installation >25' To 30', Add	4.97	
		For Elevated Installation >30' To 35', Add	5.68	
		For Elevated Installation >35' To 40', Add	7.11	
		For Elevated Installation >40', Add	7.82	
26 05 33 13-0525	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	28.73	8.88
		For Work In Restricted Working Space, Add	5.33	
		For Elevated Installation >10' To 15', Add	1.78	
		For Elevated Installation >15' To 20', Add	3.55	
		For Elevated Installation >20' To 25', Add	4.44	
		For Elevated Installation >25' To 30', Add	6.22	
		For Elevated Installation >30' To 35', Add	7.11	
		For Elevated Installation >35' To 40', Add	8.89	
		For Elevated Installation >40', Add	9.77	
26 05 33 13-0526	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	37.93	10.07
		For Work In Restricted Working Space, Add	6.04	
		For Elevated Installation >10' To 15', Add	2.01	
		For Elevated Installation >15' To 20', Add	4.03	
		For Elevated Installation >20' To 25', Add	5.04	
		For Elevated Installation >25' To 30', Add	7.05	
		For Elevated Installation >30' To 35', Add	8.06	
		For Elevated Installation >35' To 40', Add	10.07	
		For Elevated Installation >40', Add	11.08	
26 05 33 13-0527	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	45.45	11.26
		For Work In Restricted Working Space, Add	6.75	
		For Elevated Installation >10' To 15', Add	2.25	
		For Elevated Installation >15' To 20', Add	4.50	
		For Elevated Installation >20' To 25', Add	5.63	
		For Elevated Installation >25' To 30', Add	7.88	
		For Elevated Installation >30' To 35', Add	9.00	
		For Elevated Installation >35' To 40', Add	11.25	
		For Elevated Installation >40', Add	12.38	

26 05 33 13-0528 Rigid Galvanized Steel (RGS) Insulated Ground Bushing (26 05 33 13-0060)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0529 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	10.51	3.56
For Work In Restricted Working Space, Add	2.13	
For Elevated Installation >10' To 15', Add	0.71	
For Elevated Installation >15' To 20', Add	1.42	
For Elevated Installation >20' To 25', Add	1.78	
For Elevated Installation >25' To 30', Add	2.49	
For Elevated Installation >30' To 35', Add	2.84	
For Elevated Installation >35' To 40', Add	3.56	
For Elevated Installation >40', Add	3.91	
26 05 33 13-0530 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	13.17	4.74
For Work In Restricted Working Space, Add	2.84	
For Elevated Installation >10' To 15', Add	0.95	
For Elevated Installation >15' To 20', Add	1.89	
For Elevated Installation >20' To 25', Add	2.37	
For Elevated Installation >25' To 30', Add	3.31	
For Elevated Installation >30' To 35', Add	3.79	
For Elevated Installation >35' To 40', Add	4.74	
For Elevated Installation >40', Add	5.21	
26 05 33 13-0531 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	16.83	5.92
For Work In Restricted Working Space, Add	3.56	
For Elevated Installation >10' To 15', Add	1.19	
For Elevated Installation >15' To 20', Add	2.37	
For Elevated Installation >20' To 25', Add	2.96	
For Elevated Installation >25' To 30', Add	4.15	
For Elevated Installation >30' To 35', Add	4.74	
For Elevated Installation >35' To 40', Add	5.93	
For Elevated Installation >40', Add	6.52	
26 05 33 13-0532 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	24.51	9.47
For Work In Restricted Working Space, Add	5.69	
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.79	
For Elevated Installation >20' To 25', Add	4.74	
For Elevated Installation >25' To 30', Add	6.63	
For Elevated Installation >30' To 35', Add	7.58	
For Elevated Installation >35' To 40', Add	9.48	
For Elevated Installation >40', Add	10.42	
26 05 33 13-0533 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	27.61	10.67
For Work In Restricted Working Space, Add	6.40	
For Elevated Installation >10' To 15', Add	2.13	
For Elevated Installation >15' To 20', Add	4.26	
For Elevated Installation >20' To 25', Add	5.33	
For Elevated Installation >25' To 30', Add	7.46	
For Elevated Installation >30' To 35', Add	8.53	
For Elevated Installation >35' To 40', Add	10.66	
For Elevated Installation >40', Add	11.73	
26 05 33 13-0534 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	31.41	11.85
For Work In Restricted Working Space, Add	7.11	
For Elevated Installation >10' To 15', Add	2.37	
For Elevated Installation >15' To 20', Add	4.74	
For Elevated Installation >20' To 25', Add	5.93	
For Elevated Installation >25' To 30', Add	8.30	
For Elevated Installation >30' To 35', Add	9.48	
For Elevated Installation >35' To 40', Add	11.85	
For Elevated Installation >40', Add	13.04	
26 05 33 13-0535 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	43.33	14.21
For Work In Restricted Working Space, Add	8.53	
For Elevated Installation >10' To 15', Add	2.84	
For Elevated Installation >15' To 20', Add	5.69	
For Elevated Installation >20' To 25', Add	7.11	
For Elevated Installation >25' To 30', Add	9.95	
For Elevated Installation >30' To 35', Add	11.37	
For Elevated Installation >35' To 40', Add	14.22	
For Elevated Installation >40', Add	15.64	
26 05 33 13-0536 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	52.60	17.77
For Work In Restricted Working Space, Add	10.66	
For Elevated Installation >10' To 15', Add	3.55	
For Elevated Installation >15' To 20', Add	7.11	
For Elevated Installation >20' To 25', Add	8.88	
For Elevated Installation >25' To 30', Add	12.44	
For Elevated Installation >30' To 35', Add	14.21	
For Elevated Installation >35' To 40', Add	17.77	
For Elevated Installation >40', Add	19.54	
26 05 33 13-0537 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	65.01	23.70
For Work In Restricted Working Space, Add	14.21	
For Elevated Installation >10' To 15', Add	4.74	
For Elevated Installation >15' To 20', Add	9.48	
For Elevated Installation >20' To 25', Add	11.85	
For Elevated Installation >25' To 30', Add	16.58	
For Elevated Installation >30' To 35', Add	18.95	
For Elevated Installation >35' To 40', Add	23.69	
For Elevated Installation >40', Add	26.06	
26 05 33 13-0538 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	79.16	29.61
For Work In Restricted Working Space, Add	17.77	
For Elevated Installation >10' To 15', Add	5.92	
For Elevated Installation >15' To 20', Add	11.85	
For Elevated Installation >20' To 25', Add	14.81	
For Elevated Installation >25' To 30', Add	20.73	
For Elevated Installation >30' To 35', Add	23.69	
For Elevated Installation >35' To 40', Add	29.62	
For Elevated Installation >40', Add	32.58	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0539 Rigid Galvanized Steel (RGS) Threadless Compression Connectors (26 05 33 13-0000)			
26 05 33 13-0540	EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	25.11	10.67
	For Work In Restricted Working Space, Add	6.40	
	For Elevated Installation >10' To 15', Add	2.13	
	For Elevated Installation >15' To 20', Add	4.26	
	For Elevated Installation >20' To 25', Add	5.33	
	For Elevated Installation >25' To 30', Add	7.46	
	For Elevated Installation >30' To 35', Add	8.53	
	For Elevated Installation >35' To 40', Add	10.66	
	For Elevated Installation >40', Add	11.73	
26 05 33 13-0541	EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	29.81	11.85
	For Work In Restricted Working Space, Add	7.11	
	For Elevated Installation >10' To 15', Add	2.37	
	For Elevated Installation >15' To 20', Add	4.74	
	For Elevated Installation >20' To 25', Add	5.93	
	For Elevated Installation >25' To 30', Add	8.30	
	For Elevated Installation >30' To 35', Add	9.48	
	For Elevated Installation >35' To 40', Add	11.85	
	For Elevated Installation >40', Add	13.04	
26 05 33 13-0542	EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	39.15	14.81
	For Work In Restricted Working Space, Add	8.88	
	For Elevated Installation >10' To 15', Add	2.96	
	For Elevated Installation >15' To 20', Add	5.92	
	For Elevated Installation >20' To 25', Add	7.40	
	For Elevated Installation >25' To 30', Add	10.36	
	For Elevated Installation >30' To 35', Add	11.84	
	For Elevated Installation >35' To 40', Add	14.81	
	For Elevated Installation >40', Add	16.29	
26 05 33 13-0543	EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	53.49	17.77
	For Work In Restricted Working Space, Add	10.66	
	For Elevated Installation >10' To 15', Add	3.55	
	For Elevated Installation >15' To 20', Add	7.11	
	For Elevated Installation >20' To 25', Add	8.88	
	For Elevated Installation >25' To 30', Add	12.44	
	For Elevated Installation >30' To 35', Add	14.21	
	For Elevated Installation >35' To 40', Add	17.77	
	For Elevated Installation >40', Add	19.54	
26 05 33 13-0544	EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	72.26	23.70
	For Work In Restricted Working Space, Add	14.21	
	For Elevated Installation >10' To 15', Add	4.74	
	For Elevated Installation >15' To 20', Add	9.48	
	For Elevated Installation >20' To 25', Add	11.85	
	For Elevated Installation >25' To 30', Add	16.58	
	For Elevated Installation >30' To 35', Add	18.95	
	For Elevated Installation >35' To 40', Add	23.69	
	For Elevated Installation >40', Add	26.06	
26 05 33 13-0545	EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	106.96	29.61
	For Work In Restricted Working Space, Add	17.77	
	For Elevated Installation >10' To 15', Add	5.92	
	For Elevated Installation >15' To 20', Add	11.85	
	For Elevated Installation >20' To 25', Add	14.81	
	For Elevated Installation >25' To 30', Add	20.73	
	For Elevated Installation >30' To 35', Add	23.69	
	For Elevated Installation >35' To 40', Add	29.62	
	For Elevated Installation >40', Add	32.58	
26 05 33 13-0546	EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	181.18	35.53
	For Work In Restricted Working Space, Add	21.32	
	For Elevated Installation >10' To 15', Add	7.11	
	For Elevated Installation >15' To 20', Add	14.22	
	For Elevated Installation >20' To 25', Add	17.77	
	For Elevated Installation >25' To 30', Add	24.88	
	For Elevated Installation >30' To 35', Add	28.43	
	For Elevated Installation >35' To 40', Add	35.54	
	For Elevated Installation >40', Add	39.09	
26 05 33 13-0547	EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	228.90	41.46
	For Work In Restricted Working Space, Add	24.88	
	For Elevated Installation >10' To 15', Add	8.29	
	For Elevated Installation >15' To 20', Add	16.59	
	For Elevated Installation >20' To 25', Add	20.73	
	For Elevated Installation >25' To 30', Add	29.03	
	For Elevated Installation >30' To 35', Add	33.17	
	For Elevated Installation >35' To 40', Add	41.47	
	For Elevated Installation >40', Add	45.61	
26 05 33 13-0548	EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	291.45	50.35
	For Work In Restricted Working Space, Add	30.21	
	For Elevated Installation >10' To 15', Add	10.07	
	For Elevated Installation >15' To 20', Add	20.14	
	For Elevated Installation >20' To 25', Add	25.17	
	For Elevated Installation >25' To 30', Add	35.24	
	For Elevated Installation >30' To 35', Add	40.28	
	For Elevated Installation >35' To 40', Add	50.35	
	For Elevated Installation >40', Add	55.38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0549 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	351.99	59.23
For Work In Restricted Working Space, Add	35.54	
For Elevated Installation >10' To 15', Add	11.85	
For Elevated Installation >15' To 20', Add	23.69	
For Elevated Installation >20' To 25', Add	29.62	
For Elevated Installation >25' To 30', Add	41.46	
For Elevated Installation >30' To 35', Add	47.38	
For Elevated Installation >35' To 40', Add	59.23	
For Elevated Installation >40', Add	65.15	
26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0060)		
26 05 33 13-0551 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling	35.73	14.81
For Work In Restricted Working Space, Add	8.88	
For Elevated Installation >10' To 15', Add	2.96	
For Elevated Installation >15' To 20', Add	5.92	
For Elevated Installation >20' To 25', Add	7.40	
For Elevated Installation >25' To 30', Add	10.36	
For Elevated Installation >30' To 35', Add	11.84	
For Elevated Installation >35' To 40', Add	14.81	
For Elevated Installation >40', Add	16.29	
26 05 33 13-0552 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling	45.35	17.77
For Work In Restricted Working Space, Add	10.66	
For Elevated Installation >10' To 15', Add	3.55	
For Elevated Installation >15' To 20', Add	7.11	
For Elevated Installation >20' To 25', Add	8.88	
For Elevated Installation >25' To 30', Add	12.44	
For Elevated Installation >30' To 35', Add	14.21	
For Elevated Installation >35' To 40', Add	17.77	
For Elevated Installation >40', Add	19.54	
26 05 33 13-0553 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling	64.51	23.70
For Work In Restricted Working Space, Add	14.21	
For Elevated Installation >10' To 15', Add	4.74	
For Elevated Installation >15' To 20', Add	9.48	
For Elevated Installation >20' To 25', Add	11.85	
For Elevated Installation >25' To 30', Add	16.58	
For Elevated Installation >30' To 35', Add	18.95	
For Elevated Installation >35' To 40', Add	23.69	
For Elevated Installation >40', Add	26.06	
26 05 33 13-0554 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	84.58	29.61
For Work In Restricted Working Space, Add	17.77	
For Elevated Installation >10' To 15', Add	5.92	
For Elevated Installation >15' To 20', Add	11.85	
For Elevated Installation >20' To 25', Add	14.81	
For Elevated Installation >25' To 30', Add	20.73	
For Elevated Installation >30' To 35', Add	23.69	
For Elevated Installation >35' To 40', Add	29.62	
For Elevated Installation >40', Add	32.58	
26 05 33 13-0555 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	104.08	35.53
For Work In Restricted Working Space, Add	21.32	
For Elevated Installation >10' To 15', Add	7.11	
For Elevated Installation >15' To 20', Add	14.22	
For Elevated Installation >20' To 25', Add	17.77	
For Elevated Installation >25' To 30', Add	24.88	
For Elevated Installation >30' To 35', Add	28.43	
For Elevated Installation >35' To 40', Add	35.54	
For Elevated Installation >40', Add	39.09	
26 05 33 13-0556 EA 2" Rigid Galvanized Steel (RGS) Compression Coupling	155.11	41.46
For Work In Restricted Working Space, Add	24.88	
For Elevated Installation >10' To 15', Add	8.29	
For Elevated Installation >15' To 20', Add	16.59	
For Elevated Installation >20' To 25', Add	20.73	
For Elevated Installation >25' To 30', Add	29.03	
For Elevated Installation >30' To 35', Add	33.17	
For Elevated Installation >35' To 40', Add	41.47	
For Elevated Installation >40', Add	45.61	
26 05 33 13-0557 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	246.80	47.38
For Work In Restricted Working Space, Add	28.43	
For Elevated Installation >10' To 15', Add	9.48	
For Elevated Installation >15' To 20', Add	18.95	
For Elevated Installation >20' To 25', Add	23.69	
For Elevated Installation >25' To 30', Add	33.17	
For Elevated Installation >30' To 35', Add	37.90	
For Elevated Installation >35' To 40', Add	47.38	
For Elevated Installation >40', Add	52.12	
26 05 33 13-0558 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling	283.17	40.87
For Work In Restricted Working Space, Add	24.52	
For Elevated Installation >10' To 15', Add	8.17	
For Elevated Installation >15' To 20', Add	16.35	
For Elevated Installation >20' To 25', Add	20.43	
For Elevated Installation >25' To 30', Add	28.61	
For Elevated Installation >30' To 35', Add	32.69	
For Elevated Installation >35' To 40', Add	40.87	
For Elevated Installation >40', Add	44.95	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-0559	EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	389.57		62.19
	For Work In Restricted Working Space, Add	37.32		
	For Elevated Installation >10' To 15', Add	12.44		
	For Elevated Installation >15' To 20', Add	24.88		
	For Elevated Installation >20' To 25', Add	31.10		
	For Elevated Installation >25' To 30', Add	43.54		
	For Elevated Installation >30' To 35', Add	49.76		
	For Elevated Installation >35' To 40', Add	62.20		
	For Elevated Installation >40', Add	68.41		
26 05 33 13-0560	EA 4" Rigid Galvanized Steel (RGS) Compression Coupling	481.47		71.08
	For Work In Restricted Working Space, Add	42.65		
	For Elevated Installation >10' To 15', Add	14.22		
	For Elevated Installation >15' To 20', Add	28.43		
	For Elevated Installation >20' To 25', Add	35.54		
	For Elevated Installation >25' To 30', Add	49.76		
	For Elevated Installation >30' To 35', Add	56.86		
	For Elevated Installation >35' To 40', Add	71.08		
	For Elevated Installation >40', Add	78.19		
26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal (26 05 33 13-0060)				
26 05 33 13-0562	EA 1/2" Zinc Plated Steel Snap-in Knock Out Seal	6.21		2.96
	For Work In Restricted Working Space, Add	1.78		
	For Elevated Installation >10' To 15', Add	0.59		
	For Elevated Installation >15' To 20', Add	1.18		
	For Elevated Installation >20' To 25', Add	1.48		
	For Elevated Installation >25' To 30', Add	2.07		
	For Elevated Installation >30' To 35', Add	2.37		
	For Elevated Installation >35' To 40', Add	2.96		
	For Elevated Installation >40', Add	3.26		
26 05 33 13-0563	EA 3/4" Zinc Plated Steel Snap-in Knock Out Seal	7.49		3.56
	For Work In Restricted Working Space, Add	2.13		
	For Elevated Installation >10' To 15', Add	0.71		
	For Elevated Installation >15' To 20', Add	1.42		
	For Elevated Installation >20' To 25', Add	1.78		
	For Elevated Installation >25' To 30', Add	2.49		
	For Elevated Installation >30' To 35', Add	2.84		
	For Elevated Installation >35' To 40', Add	3.56		
	For Elevated Installation >40', Add	3.91		
26 05 33 13-0564	EA 1" Zinc Plated Steel Snap-in Knock Out Seal	8.89		4.15
	For Work In Restricted Working Space, Add	2.49		
	For Elevated Installation >10' To 15', Add	0.83		
	For Elevated Installation >15' To 20', Add	1.66		
	For Elevated Installation >20' To 25', Add	2.07		
	For Elevated Installation >25' To 30', Add	2.90		
	For Elevated Installation >30' To 35', Add	3.32		
	For Elevated Installation >35' To 40', Add	4.15		
	For Elevated Installation >40', Add	4.56		
26 05 33 13-0565	EA 1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	11.46		5.33
	For Work In Restricted Working Space, Add	3.20		
	For Elevated Installation >10' To 15', Add	1.07		
	For Elevated Installation >15' To 20', Add	2.13		
	For Elevated Installation >20' To 25', Add	2.67		
	For Elevated Installation >25' To 30', Add	3.73		
	For Elevated Installation >30' To 35', Add	4.27		
	For Elevated Installation >35' To 40', Add	5.34		
	For Elevated Installation >40', Add	5.87		
26 05 33 13-0566	EA 1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	12.95		5.92
	For Work In Restricted Working Space, Add	3.56		
	For Elevated Installation >10' To 15', Add	1.19		
	For Elevated Installation >15' To 20', Add	2.37		
	For Elevated Installation >20' To 25', Add	2.96		
	For Elevated Installation >25' To 30', Add	4.15		
	For Elevated Installation >30' To 35', Add	4.74		
	For Elevated Installation >35' To 40', Add	5.93		
	For Elevated Installation >40', Add	6.52		
26 05 33 13-0567	EA 2" Zinc Plated Steel Snap-in Knock Out Seal	15.75		7.11
	For Work In Restricted Working Space, Add	4.26		
	For Elevated Installation >10' To 15', Add	1.42		
	For Elevated Installation >15' To 20', Add	2.84		
	For Elevated Installation >20' To 25', Add	3.55		
	For Elevated Installation >25' To 30', Add	4.97		
	For Elevated Installation >30' To 35', Add	5.68		
	For Elevated Installation >35' To 40', Add	7.11		
	For Elevated Installation >40', Add	7.82		
26 05 33 13-0568 Zinc Plated Steel 3-Piece Knock Out Seal (26 05 33 13-0060)				
26 05 33 13-0569	EA 1/2" Zinc Plated Steel 3-Piece Knock Out Seal	7.65		2.96
	For Work In Restricted Working Space, Add	1.78		
	For Elevated Installation >10' To 15', Add	0.59		
	For Elevated Installation >15' To 20', Add	1.18		
	For Elevated Installation >20' To 25', Add	1.48		
	For Elevated Installation >25' To 30', Add	2.07		
	For Elevated Installation >30' To 35', Add	2.37		
	For Elevated Installation >35' To 40', Add	2.96		
	For Elevated Installation >40', Add	3.26		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0570	EA	3/4"	Zinc Plated Steel 3-Piece Knock Out Seal 9.12	3.56	
			For Work In Restricted Working Space, Add	2.13	
			For Elevated Installation >10' To 15', Add	0.71	
			For Elevated Installation >15' To 20', Add	1.42	
			For Elevated Installation >20' To 25', Add	1.78	
			For Elevated Installation >25' To 30', Add	2.49	
			For Elevated Installation >30' To 35', Add	2.84	
			For Elevated Installation >35' To 40', Add	3.56	
			For Elevated Installation >40', Add	3.91	
26 05 33 13-0571	EA	1"	Zinc Plated Steel 3-Piece Knock Out Seal 11.07	4.15	
			For Work In Restricted Working Space, Add	2.49	
			For Elevated Installation >10' To 15', Add	0.83	
			For Elevated Installation >15' To 20', Add	1.66	
			For Elevated Installation >20' To 25', Add	2.07	
			For Elevated Installation >25' To 30', Add	2.90	
			For Elevated Installation >30' To 35', Add	3.32	
			For Elevated Installation >35' To 40', Add	4.15	
			For Elevated Installation >40', Add	4.56	
26 05 33 13-0572	EA	1-1/4"	Zinc Plated Steel 3-Piece Knock Out Seal 14.24	5.33	
			For Work In Restricted Working Space, Add	3.20	
			For Elevated Installation >10' To 15', Add	1.07	
			For Elevated Installation >15' To 20', Add	2.13	
			For Elevated Installation >20' To 25', Add	2.67	
			For Elevated Installation >25' To 30', Add	3.73	
			For Elevated Installation >30' To 35', Add	4.27	
			For Elevated Installation >35' To 40', Add	5.34	
			For Elevated Installation >40', Add	5.87	
26 05 33 13-0573	EA	1-1/2"	Zinc Plated Steel 3-Piece Knock Out Seal 17.55	5.92	
			For Work In Restricted Working Space, Add	3.56	
			For Elevated Installation >10' To 15', Add	1.19	
			For Elevated Installation >15' To 20', Add	2.37	
			For Elevated Installation >20' To 25', Add	2.96	
			For Elevated Installation >25' To 30', Add	4.15	
			For Elevated Installation >30' To 35', Add	4.74	
			For Elevated Installation >35' To 40', Add	5.93	
			For Elevated Installation >40', Add	6.52	
26 05 33 13-0574	EA	2"	Zinc Plated Steel 3-Piece Knock Out Seal 21.22	7.11	
			For Work In Restricted Working Space, Add	4.26	
			For Elevated Installation >10' To 15', Add	1.42	
			For Elevated Installation >15' To 20', Add	2.84	
			For Elevated Installation >20' To 25', Add	3.55	
			For Elevated Installation >25' To 30', Add	4.97	
			For Elevated Installation >30' To 35', Add	5.68	
			For Elevated Installation >35' To 40', Add	7.11	
			For Elevated Installation >40', Add	7.82	
26 05 33 13-0575	EA	2-1/2"	Zinc Plated Steel 3-Piece Knock Out Seal 26.03	8.88	
			For Work In Restricted Working Space, Add	5.33	
			For Elevated Installation >10' To 15', Add	1.78	
			For Elevated Installation >15' To 20', Add	3.55	
			For Elevated Installation >20' To 25', Add	4.44	
			For Elevated Installation >25' To 30', Add	6.22	
			For Elevated Installation >30' To 35', Add	7.11	
			For Elevated Installation >35' To 40', Add	8.89	
			For Elevated Installation >40', Add	9.77	
26 05 33 13-0576	EA	3"	Zinc Plated Steel 3-Piece Knock Out Seal 30.45	10.07	
			For Work In Restricted Working Space, Add	6.04	
			For Elevated Installation >10' To 15', Add	2.01	
			For Elevated Installation >15' To 20', Add	4.03	
			For Elevated Installation >20' To 25', Add	5.04	
			For Elevated Installation >25' To 30', Add	7.05	
			For Elevated Installation >30' To 35', Add	8.06	
			For Elevated Installation >35' To 40', Add	10.07	
			For Elevated Installation >40', Add	11.08	
26 05 33 13-0577	EA	3-1/2"	Zinc Plated Steel 3-Piece Knock Out Seal 37.02	11.26	
			For Work In Restricted Working Space, Add	6.75	
			For Elevated Installation >10' To 15', Add	2.25	
			For Elevated Installation >15' To 20', Add	4.50	
			For Elevated Installation >20' To 25', Add	5.63	
			For Elevated Installation >25' To 30', Add	7.88	
			For Elevated Installation >30' To 35', Add	9.00	
			For Elevated Installation >35' To 40', Add	11.25	
			For Elevated Installation >40', Add	12.38	
26 05 33 13-0578	EA	4"	Zinc Plated Steel 3-Piece Knock Out Seal 43.51	12.44	
			For Work In Restricted Working Space, Add	7.46	
			For Elevated Installation >10' To 15', Add	2.49	
			For Elevated Installation >15' To 20', Add	4.98	
			For Elevated Installation >20' To 25', Add	6.22	
			For Elevated Installation >25' To 30', Add	8.71	
			For Elevated Installation >30' To 35', Add	9.95	
			For Elevated Installation >35' To 40', Add	12.44	
			For Elevated Installation >40', Add	13.68	

26 05 33 13-0579 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0060)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-0580	EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	14.65	7.11
	For Work In Restricted Working Space, Add	4.26	
	For Elevated Installation >10' To 15', Add	1.42	
	For Elevated Installation >15' To 20', Add	2.84	
	For Elevated Installation >20' To 25', Add	3.55	
	For Elevated Installation >25' To 30', Add	4.97	
	For Elevated Installation >30' To 35', Add	5.68	
	For Elevated Installation >35' To 40', Add	7.11	
	For Elevated Installation >40', Add	7.82	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.26	
26 05 33 13-0581	EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	17.33	8.29
	For Work In Restricted Working Space, Add	4.98	
	For Elevated Installation >10' To 15', Add	1.66	
	For Elevated Installation >15' To 20', Add	3.32	
	For Elevated Installation >20' To 25', Add	4.15	
	For Elevated Installation >25' To 30', Add	5.81	
	For Elevated Installation >30' To 35', Add	6.64	
	For Elevated Installation >35' To 40', Add	8.30	
	For Elevated Installation >40', Add	9.12	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 05 33 13-0582	EA 1" Rigid Galvanized Steel (RGS) Chase Nipple.....	21.75	10.07
	For Work In Restricted Working Space, Add	6.04	
	For Elevated Installation >10' To 15', Add	2.01	
	For Elevated Installation >15' To 20', Add	4.03	
	For Elevated Installation >20' To 25', Add	5.04	
	For Elevated Installation >25' To 30', Add	7.05	
	For Elevated Installation >30' To 35', Add	8.06	
	For Elevated Installation >35' To 40', Add	10.07	
	For Elevated Installation >40', Add	11.08	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.04	
26 05 33 13-0583	EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	26.50	11.85
	For Work In Restricted Working Space, Add	7.11	
	For Elevated Installation >10' To 15', Add	2.37	
	For Elevated Installation >15' To 20', Add	4.74	
	For Elevated Installation >20' To 25', Add	5.93	
	For Elevated Installation >25' To 30', Add	8.30	
	For Elevated Installation >30' To 35', Add	9.48	
	For Elevated Installation >35' To 40', Add	11.85	
	For Elevated Installation >40', Add	13.04	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 33 13-0584	EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	33.21	14.81
	For Work In Restricted Working Space, Add	8.88	
	For Elevated Installation >10' To 15', Add	2.96	
	For Elevated Installation >15' To 20', Add	5.92	
	For Elevated Installation >20' To 25', Add	7.40	
	For Elevated Installation >25' To 30', Add	10.36	
	For Elevated Installation >30' To 35', Add	11.84	
	For Elevated Installation >35' To 40', Add	14.81	
	For Elevated Installation >40', Add	16.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0585	EA 2" Rigid Galvanized Steel (RGS) Chase Nipple.....	41.38	17.77
	For Work In Restricted Working Space, Add	10.66	
	For Elevated Installation >10' To 15', Add	3.55	
	For Elevated Installation >15' To 20', Add	7.11	
	For Elevated Installation >20' To 25', Add	8.88	
	For Elevated Installation >25' To 30', Add	12.44	
	For Elevated Installation >30' To 35', Add	14.21	
	For Elevated Installation >35' To 40', Add	17.77	
	For Elevated Installation >40', Add	19.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.66	
26 05 33 13-0586	EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	52.58	20.73
	For Work In Restricted Working Space, Add	12.44	
	For Elevated Installation >10' To 15', Add	4.15	
	For Elevated Installation >15' To 20', Add	8.29	
	For Elevated Installation >20' To 25', Add	10.37	
	For Elevated Installation >25' To 30', Add	14.51	
	For Elevated Installation >30' To 35', Add	16.58	
	For Elevated Installation >35' To 40', Add	20.73	
	For Elevated Installation >40', Add	22.80	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.44	
26 05 33 13-0587	EA 3" Rigid Galvanized Steel (RGS) Chase Nipple.....	58.79	23.70
	For Work In Restricted Working Space, Add	14.21	
	For Elevated Installation >10' To 15', Add	4.74	
	For Elevated Installation >15' To 20', Add	9.48	
	For Elevated Installation >20' To 25', Add	11.85	
	For Elevated Installation >25' To 30', Add	16.58	
	For Elevated Installation >30' To 35', Add	18.95	
	For Elevated Installation >35' To 40', Add	23.69	
	For Elevated Installation >40', Add	26.06	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.21	
26 05 33 13-0588	EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	73.48	26.65
	For Work In Restricted Working Space, Add	15.99	
	For Elevated Installation >10' To 15', Add	5.33	
	For Elevated Installation >15' To 20', Add	10.66	
	For Elevated Installation >20' To 25', Add	13.33	
	For Elevated Installation >25' To 30', Add	18.66	
	For Elevated Installation >30' To 35', Add	21.32	
	For Elevated Installation >35' To 40', Add	26.66	
	For Elevated Installation >40', Add	29.32	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.99	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0589 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple.....	101.49	29.61
For Work In Restricted Working Space, Add	17.77	
For Elevated Installation >10' To 15', Add	5.92	
For Elevated Installation >15' To 20', Add	11.85	
For Elevated Installation >20' To 25', Add	14.81	
For Elevated Installation >25' To 30', Add	20.73	
For Elevated Installation >30' To 35', Add	23.69	
For Elevated Installation >35' To 40', Add	29.62	
For Elevated Installation >40', Add	32.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-0590 Rigid Galvanized Steel (RGS) Pulling Elbow (26 05 33 13-0060)		
26 05 33 13-0591 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	28.99	10.67
For Work In Restricted Working Space, Add	6.40	
For Elevated Installation >10' To 15', Add	2.13	
For Elevated Installation >15' To 20', Add	4.26	
For Elevated Installation >20' To 25', Add	5.33	
For Elevated Installation >25' To 30', Add	7.46	
For Elevated Installation >30' To 35', Add	8.53	
For Elevated Installation >35' To 40', Add	10.66	
For Elevated Installation >40', Add	11.73	
26 05 33 13-0592 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	33.68	12.44
For Work In Restricted Working Space, Add	7.46	
For Elevated Installation >10' To 15', Add	2.49	
For Elevated Installation >15' To 20', Add	4.98	
For Elevated Installation >20' To 25', Add	6.22	
For Elevated Installation >25' To 30', Add	8.71	
For Elevated Installation >30' To 35', Add	9.95	
For Elevated Installation >35' To 40', Add	12.44	
For Elevated Installation >40', Add	13.68	
26 05 33 13-0593 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	43.04	14.21
For Work In Restricted Working Space, Add	8.53	
For Elevated Installation >10' To 15', Add	2.84	
For Elevated Installation >15' To 20', Add	5.69	
For Elevated Installation >20' To 25', Add	7.11	
For Elevated Installation >25' To 30', Add	9.95	
For Elevated Installation >30' To 35', Add	11.37	
For Elevated Installation >35' To 40', Add	14.22	
For Elevated Installation >40', Add	15.64	
26 05 33 13-0594 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	55.20	17.77
For Work In Restricted Working Space, Add	10.66	
For Elevated Installation >10' To 15', Add	3.55	
For Elevated Installation >15' To 20', Add	7.11	
For Elevated Installation >20' To 25', Add	8.88	
For Elevated Installation >25' To 30', Add	12.44	
For Elevated Installation >30' To 35', Add	14.21	
For Elevated Installation >35' To 40', Add	17.77	
For Elevated Installation >40', Add	19.54	
26 05 33 13-0595 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	73.87	21.32
For Work In Restricted Working Space, Add	12.79	
For Elevated Installation >10' To 15', Add	4.26	
For Elevated Installation >15' To 20', Add	8.53	
For Elevated Installation >20' To 25', Add	10.66	
For Elevated Installation >25' To 30', Add	14.92	
For Elevated Installation >30' To 35', Add	17.06	
For Elevated Installation >35' To 40', Add	21.32	
For Elevated Installation >40', Add	23.45	
26 05 33 13-0596 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	99.19	24.88
For Work In Restricted Working Space, Add	14.93	
For Elevated Installation >10' To 15', Add	4.98	
For Elevated Installation >15' To 20', Add	9.95	
For Elevated Installation >20' To 25', Add	12.44	
For Elevated Installation >25' To 30', Add	17.42	
For Elevated Installation >30' To 35', Add	19.90	
For Elevated Installation >35' To 40', Add	24.88	
For Elevated Installation >40', Add	27.37	
26 05 33 13-0597 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	138.47	28.43
For Work In Restricted Working Space, Add	17.06	
For Elevated Installation >10' To 15', Add	5.69	
For Elevated Installation >15' To 20', Add	11.37	
For Elevated Installation >20' To 25', Add	14.22	
For Elevated Installation >25' To 30', Add	19.90	
For Elevated Installation >30' To 35', Add	22.75	
For Elevated Installation >35' To 40', Add	28.44	
For Elevated Installation >40', Add	31.28	
26 05 33 13-0598 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	243.94	35.53
For Work In Restricted Working Space, Add	21.32	
For Elevated Installation >10' To 15', Add	7.11	
For Elevated Installation >15' To 20', Add	14.22	
For Elevated Installation >20' To 25', Add	17.77	
For Elevated Installation >25' To 30', Add	24.88	
For Elevated Installation >30' To 35', Add	28.43	
For Elevated Installation >35' To 40', Add	35.54	
For Elevated Installation >40', Add	39.09	
26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0059)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0600		Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0599)		
		Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0601	LF	1/2" Electrical Metallic Tubing (EMT) Conduit.....	5.98	2.14
		For Work In Restricted Working Space, Add	1.60	
		For Elevated Installation >10' To 15', Add	0.53	
		For Elevated Installation >15' To 20', Add	1.07	
		For Elevated Installation >20' To 25', Add	1.33	
		For Elevated Installation >25' To 30', Add	1.87	
		For Elevated Installation >30' To 35', Add	2.13	
		For Elevated Installation >35' To 40', Add	2.67	
		For Elevated Installation >40', Add	2.93	
		For >250 To 500, Deduct	-0.03	
		For >500 To 1,000, Deduct	-0.32	
		For >1,000, Deduct	-0.46	
		For Installation In Metal Stud Wall, Add	0.53	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.33	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.80	
		For Factory Applied Color Coating, Add	0.20	
26 05 33 13-0602	LF	3/4" Electrical Metallic Tubing (EMT) Conduit.....	6.93	2.37
		For Work In Restricted Working Space, Add	1.78	
		For Elevated Installation >10' To 15', Add	0.59	
		For Elevated Installation >15' To 20', Add	1.18	
		For Elevated Installation >20' To 25', Add	1.48	
		For Elevated Installation >25' To 30', Add	2.07	
		For Elevated Installation >30' To 35', Add	2.37	
		For Elevated Installation >35' To 40', Add	2.96	
		For Elevated Installation >40', Add	3.26	
		For >250 To 500, Deduct	-0.05	
		For >500 To 1,000, Deduct	-0.37	
		For >1,000, Deduct	-0.55	
		For Installation In Metal Stud Wall, Add	0.59	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.48	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.89	
		For Factory Applied Color Coating, Add	0.30	
26 05 33 13-0603	LF	1" Electrical Metallic Tubing (EMT) Conduit.....	8.21	2.61
		For Work In Restricted Working Space, Add	1.96	
		For Elevated Installation >10' To 15', Add	0.65	
		For Elevated Installation >15' To 20', Add	1.30	
		For Elevated Installation >20' To 25', Add	1.63	
		For Elevated Installation >25' To 30', Add	2.28	
		For Elevated Installation >30' To 35', Add	2.61	
		For Elevated Installation >35' To 40', Add	3.26	
		For Elevated Installation >40', Add	3.59	
		For >250 To 500, Deduct	-0.08	
		For >500 To 1,000, Deduct	-0.45	
		For >1,000, Deduct	-0.66	
		For Installation In Metal Stud Wall, Add	0.65	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.63	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.98	
		For Factory Applied Color Coating, Add	0.51	
26 05 33 13-0604	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	10.01	2.94
		For Work In Restricted Working Space, Add	2.21	
		For Elevated Installation >10' To 15', Add	0.74	
		For Elevated Installation >15' To 20', Add	1.47	
		For Elevated Installation >20' To 25', Add	1.84	
		For Elevated Installation >25' To 30', Add	2.57	
		For Elevated Installation >30' To 35', Add	2.94	
		For Elevated Installation >35' To 40', Add	3.68	
		For Elevated Installation >40', Add	4.04	
		For >250 To 500, Deduct	-0.13	
		For >500 To 1,000, Deduct	-0.57	
		For >1,000, Deduct	-0.82	
		For Installation In Metal Stud Wall, Add	0.74	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.84	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.10	
		For Factory Applied Color Coating, Add	0.80	
26 05 33 13-0605	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit.....	11.60	3.32
		For Work In Restricted Working Space, Add	2.49	
		For Elevated Installation >10' To 15', Add	0.83	
		For Elevated Installation >15' To 20', Add	1.66	
		For Elevated Installation >20' To 25', Add	2.07	
		For Elevated Installation >25' To 30', Add	2.90	
		For Elevated Installation >30' To 35', Add	3.32	
		For Elevated Installation >35' To 40', Add	4.15	
		For Elevated Installation >40', Add	4.56	
		For >250 To 500, Deduct	-0.17	
		For >500 To 1,000, Deduct	-0.66	
		For >1,000, Deduct	-0.95	
		For Installation In Metal Stud Wall, Add	0.83	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.07	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
		For Factory Applied Color Coating, Add	0.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0606	LF	2"	Electrical Metallic Tubing (EMT) Conduit.....	13.40	3.79
			For Work In Restricted Working Space, Add	2.84	
			For Elevated Installation >10' To 15', Add	0.95	
			For Elevated Installation >15' To 20', Add	1.89	
			For Elevated Installation >20' To 25', Add	2.37	
			For Elevated Installation >25' To 30', Add	3.31	
			For Elevated Installation >30' To 35', Add	3.79	
			For Elevated Installation >35' To 40', Add	4.74	
			For Elevated Installation >40', Add	5.21	
			For >250 To 500, Deduct	-0.20	
			For >500 To 1,000, Deduct	-0.77	
			For >1,000, Deduct	-1.10	
			For Installation In Metal Stud Wall, Add	0.95	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.37	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.42	
			For Factory Applied Color Coating, Add	1.18	
26 05 33 13-0607	LF	2-1/2"	Electrical Metallic Tubing (EMT) Conduit.....	17.08	4.50
			For Work In Restricted Working Space, Add	3.38	
			For Elevated Installation >10' To 15', Add	1.13	
			For Elevated Installation >15' To 20', Add	2.25	
			For Elevated Installation >20' To 25', Add	2.82	
			For Elevated Installation >25' To 30', Add	3.94	
			For Elevated Installation >30' To 35', Add	4.50	
			For Elevated Installation >35' To 40', Add	5.63	
			For Elevated Installation >40', Add	6.19	
			For >250 To 500, Deduct	-0.29	
			For >500 To 1,000, Deduct	-1.00	
			For >1,000, Deduct	-1.43	
			For Installation In Metal Stud Wall, Add	1.13	
			For Installation In Wood Stud Wall (Includes Drilling), Add	2.82	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.69	
			For Factory Applied Color Coating, Add	1.75	
26 05 33 13-0608	LF	3"	Electrical Metallic Tubing (EMT) Conduit.....	20.31	5.21
			For Work In Restricted Working Space, Add	3.91	
			For Elevated Installation >10' To 15', Add	1.30	
			For Elevated Installation >15' To 20', Add	2.61	
			For Elevated Installation >20' To 25', Add	3.26	
			For Elevated Installation >25' To 30', Add	4.56	
			For Elevated Installation >30' To 35', Add	5.21	
			For Elevated Installation >35' To 40', Add	6.52	
			For Elevated Installation >40', Add	7.17	
			For >250 To 500, Deduct	-0.36	
			For >500 To 1,000, Deduct	-1.20	
			For >1,000, Deduct	-1.71	
			For Installation In Metal Stud Wall, Add	1.30	
			For Installation In Wood Stud Wall (Includes Drilling), Add	3.26	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.95	
			For Factory Applied Color Coating, Add	2.18	
26 05 33 13-0609	LF	3-1/2"	Electrical Metallic Tubing (EMT) Conduit.....	25.13	6.16
			For Work In Restricted Working Space, Add	4.62	
			For Elevated Installation >10' To 15', Add	1.54	
			For Elevated Installation >15' To 20', Add	3.08	
			For Elevated Installation >20' To 25', Add	3.85	
			For Elevated Installation >25' To 30', Add	5.39	
			For Elevated Installation >30' To 35', Add	6.16	
			For Elevated Installation >35' To 40', Add	7.70	
			For Elevated Installation >40', Add	8.47	
			For >250 To 500, Deduct	-0.49	
			For >500 To 1,000, Deduct	-1.50	
			For >1,000, Deduct	-2.13	
			For Installation In Metal Stud Wall, Add	1.54	
			For Installation In Wood Stud Wall (Includes Drilling), Add	3.85	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.31	
			For Factory Applied Color Coating, Add	2.92	
26 05 33 13-0610	LF	4"	Electrical Metallic Tubing (EMT) Conduit.....	34.00	9.21
			For Work In Restricted Working Space, Add	6.91	
			For Elevated Installation >10' To 15', Add	2.30	
			For Elevated Installation >15' To 20', Add	4.61	
			For Elevated Installation >20' To 25', Add	5.76	
			For Elevated Installation >25' To 30', Add	8.06	
			For Elevated Installation >30' To 35', Add	9.21	
			For Elevated Installation >35' To 40', Add	11.52	
			For Elevated Installation >40', Add	12.67	
			For >250 To 500, Deduct	-0.55	
			For >500 To 1,000, Deduct	-1.97	
			For >1,000, Deduct	-2.82	
			For Installation In Metal Stud Wall, Add	2.30	
			For Installation In Wood Stud Wall (Includes Drilling), Add	5.76	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.45	
			For Factory Applied Color Coating, Add	3.29	

26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows (26 05 33 13-0599)
See CSI section 26 05 33 13-2319 for conduit field bending.

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0612	EA 1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	15.26	5.21
	For Work In Restricted Working Space, Add	3.91	
	For Elevated Installation >10' To 15', Add	1.30	
	For Elevated Installation >15' To 20', Add	2.61	
	For Elevated Installation >20' To 25', Add	3.26	
	For Elevated Installation >25' To 30', Add	4.56	
	For Elevated Installation >30' To 35', Add	5.21	
	For Elevated Installation >35' To 40', Add	6.52	
	For Elevated Installation >40', Add	7.17	
26 05 33 13-0613	EA 3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	16.19	5.68
	For Work In Restricted Working Space, Add	4.26	
	For Elevated Installation >10' To 15', Add	1.42	
	For Elevated Installation >15' To 20', Add	2.84	
	For Elevated Installation >20' To 25', Add	3.55	
	For Elevated Installation >25' To 30', Add	4.97	
	For Elevated Installation >30' To 35', Add	5.68	
	For Elevated Installation >35' To 40', Add	7.11	
	For Elevated Installation >40', Add	7.82	
26 05 33 13-0614	EA 1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	19.71	6.64
	For Work In Restricted Working Space, Add	4.98	
	For Elevated Installation >10' To 15', Add	1.66	
	For Elevated Installation >15' To 20', Add	3.32	
	For Elevated Installation >20' To 25', Add	4.15	
	For Elevated Installation >25' To 30', Add	5.81	
	For Elevated Installation >30' To 35', Add	6.64	
	For Elevated Installation >35' To 40', Add	8.30	
	For Elevated Installation >40', Add	9.12	
26 05 33 13-0615	EA 1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	21.65	7.11
	For Work In Restricted Working Space, Add	5.33	
	For Elevated Installation >10' To 15', Add	1.78	
	For Elevated Installation >15' To 20', Add	3.55	
	For Elevated Installation >20' To 25', Add	4.44	
	For Elevated Installation >25' To 30', Add	6.22	
	For Elevated Installation >30' To 35', Add	7.11	
	For Elevated Installation >35' To 40', Add	8.89	
	For Elevated Installation >40', Add	9.77	
26 05 33 13-0616	EA 1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	25.68	8.53
	For Work In Restricted Working Space, Add	6.40	
	For Elevated Installation >10' To 15', Add	2.13	
	For Elevated Installation >15' To 20', Add	4.26	
	For Elevated Installation >20' To 25', Add	5.33	
	For Elevated Installation >25' To 30', Add	7.46	
	For Elevated Installation >30' To 35', Add	8.53	
	For Elevated Installation >35' To 40', Add	10.66	
	For Elevated Installation >40', Add	11.73	
26 05 33 13-0617	EA 2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	33.68	10.90
	For Work In Restricted Working Space, Add	8.17	
	For Elevated Installation >10' To 15', Add	2.72	
	For Elevated Installation >15' To 20', Add	5.45	
	For Elevated Installation >20' To 25', Add	6.81	
	For Elevated Installation >25' To 30', Add	9.53	
	For Elevated Installation >30' To 35', Add	10.90	
	For Elevated Installation >35' To 40', Add	13.62	
	For Elevated Installation >40', Add	14.98	
26 05 33 13-0618	EA 2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	45.02	12.32
	For Work In Restricted Working Space, Add	9.24	
	For Elevated Installation >10' To 15', Add	3.08	
	For Elevated Installation >15' To 20', Add	6.16	
	For Elevated Installation >20' To 25', Add	7.70	
	For Elevated Installation >25' To 30', Add	10.78	
	For Elevated Installation >30' To 35', Add	12.32	
	For Elevated Installation >35' To 40', Add	15.40	
	For Elevated Installation >40', Add	16.93	
26 05 33 13-0619	EA 3" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	57.33	13.74
	For Work In Restricted Working Space, Add	10.31	
	For Elevated Installation >10' To 15', Add	3.44	
	For Elevated Installation >15' To 20', Add	6.87	
	For Elevated Installation >20' To 25', Add	8.59	
	For Elevated Installation >25' To 30', Add	12.02	
	For Elevated Installation >30' To 35', Add	13.74	
	For Elevated Installation >35' To 40', Add	17.18	
	For Elevated Installation >40', Add	18.89	
26 05 33 13-0620	EA 3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	65.10	15.17
	For Work In Restricted Working Space, Add	11.37	
	For Elevated Installation >10' To 15', Add	3.79	
	For Elevated Installation >15' To 20', Add	7.58	
	For Elevated Installation >20' To 25', Add	9.48	
	For Elevated Installation >25' To 30', Add	13.27	
	For Elevated Installation >30' To 35', Add	15.16	
	For Elevated Installation >35' To 40', Add	18.96	
	For Elevated Installation >40', Add	20.85	
26 05 33 13-0621	EA 4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	137.69	40.30
	For Work In Restricted Working Space, Add	30.22	
	For Elevated Installation >10' To 15', Add	10.07	
	For Elevated Installation >15' To 20', Add	20.15	
	For Elevated Installation >20' To 25', Add	25.19	
	For Elevated Installation >25' To 30', Add	35.26	
	For Elevated Installation >30' To 35', Add	40.30	
	For Elevated Installation >35' To 40', Add	50.37	
	For Elevated Installation >40', Add	55.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0622 Electrical Metallic Tubing (EMT) 45 Degree Elbows (26 05 33 13-0599)					
See CSI section 26 05 33 13-2319 for conduit field bending.					
26 05 33 13-0623	EA		1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	15.02	5.21
			For Work In Restricted Working Space, Add	3.91	
			For Elevated Installation >10' To 15', Add	1.30	
			For Elevated Installation >15' To 20', Add	2.61	
			For Elevated Installation >20' To 25', Add	3.26	
			For Elevated Installation >25' To 30', Add	4.56	
			For Elevated Installation >30' To 35', Add	5.21	
			For Elevated Installation >35' To 40', Add	6.52	
			For Elevated Installation >40', Add	7.17	
26 05 33 13-0624	EA		3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	16.33	5.68
			For Work In Restricted Working Space, Add	4.26	
			For Elevated Installation >10' To 15', Add	1.42	
			For Elevated Installation >15' To 20', Add	2.84	
			For Elevated Installation >20' To 25', Add	3.55	
			For Elevated Installation >25' To 30', Add	4.97	
			For Elevated Installation >30' To 35', Add	5.68	
			For Elevated Installation >35' To 40', Add	7.11	
			For Elevated Installation >40', Add	7.82	
26 05 33 13-0625	EA		1" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	20.02	6.64
			For Work In Restricted Working Space, Add	4.98	
			For Elevated Installation >10' To 15', Add	1.66	
			For Elevated Installation >15' To 20', Add	3.32	
			For Elevated Installation >20' To 25', Add	4.15	
			For Elevated Installation >25' To 30', Add	5.81	
			For Elevated Installation >30' To 35', Add	6.64	
			For Elevated Installation >35' To 40', Add	8.30	
			For Elevated Installation >40', Add	9.12	
26 05 33 13-0626	EA		1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	22.24	7.11
			For Work In Restricted Working Space, Add	5.33	
			For Elevated Installation >10' To 15', Add	1.78	
			For Elevated Installation >15' To 20', Add	3.55	
			For Elevated Installation >20' To 25', Add	4.44	
			For Elevated Installation >25' To 30', Add	6.22	
			For Elevated Installation >30' To 35', Add	7.11	
			For Elevated Installation >35' To 40', Add	8.89	
			For Elevated Installation >40', Add	9.77	
26 05 33 13-0627	EA		1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	26.43	8.53
			For Work In Restricted Working Space, Add	6.40	
			For Elevated Installation >10' To 15', Add	2.13	
			For Elevated Installation >15' To 20', Add	4.26	
			For Elevated Installation >20' To 25', Add	5.33	
			For Elevated Installation >25' To 30', Add	7.46	
			For Elevated Installation >30' To 35', Add	8.53	
			For Elevated Installation >35' To 40', Add	10.66	
			For Elevated Installation >40', Add	11.73	
26 05 33 13-0628	EA		2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	33.44	10.90
			For Work In Restricted Working Space, Add	8.17	
			For Elevated Installation >10' To 15', Add	2.72	
			For Elevated Installation >15' To 20', Add	5.45	
			For Elevated Installation >20' To 25', Add	6.81	
			For Elevated Installation >25' To 30', Add	9.53	
			For Elevated Installation >30' To 35', Add	10.90	
			For Elevated Installation >35' To 40', Add	13.62	
			For Elevated Installation >40', Add	14.98	
26 05 33 13-0629	EA		2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	47.20	12.32
			For Work In Restricted Working Space, Add	9.24	
			For Elevated Installation >10' To 15', Add	3.08	
			For Elevated Installation >15' To 20', Add	6.16	
			For Elevated Installation >20' To 25', Add	7.70	
			For Elevated Installation >25' To 30', Add	10.78	
			For Elevated Installation >30' To 35', Add	12.32	
			For Elevated Installation >35' To 40', Add	15.40	
			For Elevated Installation >40', Add	16.93	
26 05 33 13-0630	EA		3" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	59.06	13.74
			For Work In Restricted Working Space, Add	10.31	
			For Elevated Installation >10' To 15', Add	3.44	
			For Elevated Installation >15' To 20', Add	6.87	
			For Elevated Installation >20' To 25', Add	8.59	
			For Elevated Installation >25' To 30', Add	12.02	
			For Elevated Installation >30' To 35', Add	13.74	
			For Elevated Installation >35' To 40', Add	17.18	
			For Elevated Installation >40', Add	18.89	
26 05 33 13-0631	EA		3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	69.79	15.17
			For Work In Restricted Working Space, Add	11.37	
			For Elevated Installation >10' To 15', Add	3.79	
			For Elevated Installation >15' To 20', Add	7.58	
			For Elevated Installation >20' To 25', Add	9.48	
			For Elevated Installation >25' To 30', Add	13.27	
			For Elevated Installation >30' To 35', Add	15.16	
			For Elevated Installation >35' To 40', Add	18.96	
			For Elevated Installation >40', Add	20.85	

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26 05 33 13-0632	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	134.40	40.30
		<i>For Work In Restricted Working Space, Add</i>	30.22	
		<i>For Elevated Installation >10' To 15', Add</i>	10.07	
		<i>For Elevated Installation >15' To 20', Add</i>	20.15	
		<i>For Elevated Installation >20' To 25', Add</i>	25.19	
		<i>For Elevated Installation >25' To 30', Add</i>	35.26	
		<i>For Elevated Installation >30' To 35', Add</i>	40.30	
		<i>For Elevated Installation >35' To 40', Add</i>	50.37	
		<i>For Elevated Installation >40', Add</i>	55.41	

26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings (26 05 33 13-0599)

26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	6.18	2.85
		<i>For Work In Restricted Working Space, Add</i>	1.78	
		<i>For Elevated Installation >10' To 15', Add</i>	0.59	
		<i>For Elevated Installation >15' To 20', Add</i>	1.18	
		<i>For Elevated Installation >20' To 25', Add</i>	1.48	
		<i>For Elevated Installation >25' To 30', Add</i>	2.07	
		<i>For Elevated Installation >30' To 35', Add</i>	2.37	
		<i>For Elevated Installation >35' To 40', Add</i>	2.96	
		<i>For Elevated Installation >40', Add</i>	3.26	
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.49	2.85
		<i>For Work In Restricted Working Space, Add</i>	2.13	
		<i>For Elevated Installation >10' To 15', Add</i>	0.71	
		<i>For Elevated Installation >15' To 20', Add</i>	1.42	
		<i>For Elevated Installation >20' To 25', Add</i>	1.78	
		<i>For Elevated Installation >25' To 30', Add</i>	2.49	
		<i>For Elevated Installation >30' To 35', Add</i>	2.84	
		<i>For Elevated Installation >35' To 40', Add</i>	3.56	
		<i>For Elevated Installation >40', Add</i>	3.91	
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	8.87	3.32
		<i>For Work In Restricted Working Space, Add</i>	2.49	
		<i>For Elevated Installation >10' To 15', Add</i>	0.83	
		<i>For Elevated Installation >15' To 20', Add</i>	1.66	
		<i>For Elevated Installation >20' To 25', Add</i>	2.07	
		<i>For Elevated Installation >25' To 30', Add</i>	2.90	
		<i>For Elevated Installation >30' To 35', Add</i>	3.32	
		<i>For Elevated Installation >35' To 40', Add</i>	4.15	
		<i>For Elevated Installation >40', Add</i>	4.56	
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	11.92	4.26
		<i>For Work In Restricted Working Space, Add</i>	3.20	
		<i>For Elevated Installation >10' To 15', Add</i>	1.07	
		<i>For Elevated Installation >15' To 20', Add</i>	2.13	
		<i>For Elevated Installation >20' To 25', Add</i>	2.67	
		<i>For Elevated Installation >25' To 30', Add</i>	3.73	
		<i>For Elevated Installation >30' To 35', Add</i>	4.26	
		<i>For Elevated Installation >35' To 40', Add</i>	5.33	
		<i>For Elevated Installation >40', Add</i>	5.86	
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	14.69	5.21
		<i>For Work In Restricted Working Space, Add</i>	3.91	
		<i>For Elevated Installation >10' To 15', Add</i>	1.30	
		<i>For Elevated Installation >15' To 20', Add</i>	2.61	
		<i>For Elevated Installation >20' To 25', Add</i>	3.26	
		<i>For Elevated Installation >25' To 30', Add</i>	4.56	
		<i>For Elevated Installation >30' To 35', Add</i>	5.21	
		<i>For Elevated Installation >35' To 40', Add</i>	6.52	
		<i>For Elevated Installation >40', Add</i>	7.17	
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	19.97	7.11
		<i>For Work In Restricted Working Space, Add</i>	5.33	
		<i>For Elevated Installation >10' To 15', Add</i>	1.78	
		<i>For Elevated Installation >15' To 20', Add</i>	3.55	
		<i>For Elevated Installation >20' To 25', Add</i>	4.44	
		<i>For Elevated Installation >25' To 30', Add</i>	6.22	
		<i>For Elevated Installation >30' To 35', Add</i>	7.10	
		<i>For Elevated Installation >35' To 40', Add</i>	8.88	
		<i>For Elevated Installation >40', Add</i>	9.77	
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	27.57	9.47
		<i>For Work In Restricted Working Space, Add</i>	7.11	
		<i>For Elevated Installation >10' To 15', Add</i>	2.37	
		<i>For Elevated Installation >15' To 20', Add</i>	4.74	
		<i>For Elevated Installation >20' To 25', Add</i>	5.93	
		<i>For Elevated Installation >25' To 30', Add</i>	8.30	
		<i>For Elevated Installation >30' To 35', Add</i>	9.48	
		<i>For Elevated Installation >35' To 40', Add</i>	11.85	
		<i>For Elevated Installation >40', Add</i>	13.04	
26 05 33 13-0641	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	35.62	10.90
		<i>For Work In Restricted Working Space, Add</i>	8.88	
		<i>For Elevated Installation >10' To 15', Add</i>	2.96	
		<i>For Elevated Installation >15' To 20', Add</i>	5.92	
		<i>For Elevated Installation >20' To 25', Add</i>	7.40	
		<i>For Elevated Installation >25' To 30', Add</i>	10.36	
		<i>For Elevated Installation >30' To 35', Add</i>	11.84	
		<i>For Elevated Installation >35' To 40', Add</i>	14.81	
		<i>For Elevated Installation >40', Add</i>	16.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0642	EA	3-1/2"	Electrical Metallic Tubing (EMT) Set Screw Coupling	40.29	11.85
			For Work In Restricted Working Space, Add	10.66	
			For Elevated Installation >10' To 15', Add	3.55	
			For Elevated Installation >15' To 20', Add	7.11	
			For Elevated Installation >20' To 25', Add	8.88	
			For Elevated Installation >25' To 30', Add	12.44	
			For Elevated Installation >30' To 35', Add	14.21	
			For Elevated Installation >35' To 40', Add	17.77	
			For Elevated Installation >40', Add	19.54	
26 05 33 13-0643	EA	4"	Electrical Metallic Tubing (EMT) Set Screw Coupling	116.57	33.39
			For Work In Restricted Working Space, Add	32.43	
			For Elevated Installation >10' To 15', Add	10.81	
			For Elevated Installation >15' To 20', Add	21.62	
			For Elevated Installation >20' To 25', Add	27.02	
			For Elevated Installation >25' To 30', Add	37.83	
			For Elevated Installation >30' To 35', Add	43.24	
			For Elevated Installation >35' To 40', Add	54.05	
			For Elevated Installation >40', Add	59.45	
26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings (26 05 33 13-0599)					
26 05 33 13-0645	EA	1/2"	Electrical Metallic Tubing (EMT) Compression Coupling	7.75	2.85
			For Work In Restricted Working Space, Add	2.13	
			For Elevated Installation >10' To 15', Add	0.71	
			For Elevated Installation >15' To 20', Add	1.42	
			For Elevated Installation >20' To 25', Add	1.78	
			For Elevated Installation >25' To 30', Add	2.49	
			For Elevated Installation >30' To 35', Add	2.84	
			For Elevated Installation >35' To 40', Add	3.56	
			For Elevated Installation >40', Add	3.91	
26 05 33 13-0646	EA	3/4"	Electrical Metallic Tubing (EMT) Compression Coupling	8.99	3.32
			For Work In Restricted Working Space, Add	2.49	
			For Elevated Installation >10' To 15', Add	0.83	
			For Elevated Installation >15' To 20', Add	1.66	
			For Elevated Installation >20' To 25', Add	2.07	
			For Elevated Installation >25' To 30', Add	2.90	
			For Elevated Installation >30' To 35', Add	3.32	
			For Elevated Installation >35' To 40', Add	4.15	
			For Elevated Installation >40', Add	4.56	
26 05 33 13-0647	EA	1"	Electrical Metallic Tubing (EMT) Compression Coupling	12.82	4.74
			For Work In Restricted Working Space, Add	3.56	
			For Elevated Installation >10' To 15', Add	1.19	
			For Elevated Installation >15' To 20', Add	2.37	
			For Elevated Installation >20' To 25', Add	2.96	
			For Elevated Installation >25' To 30', Add	4.15	
			For Elevated Installation >30' To 35', Add	4.74	
			For Elevated Installation >35' To 40', Add	5.93	
			For Elevated Installation >40', Add	6.52	
26 05 33 13-0648	EA	1-1/4"	Electrical Metallic Tubing (EMT) Compression Coupling	16.24	5.68
			For Work In Restricted Working Space, Add	4.26	
			For Elevated Installation >10' To 15', Add	1.42	
			For Elevated Installation >15' To 20', Add	2.84	
			For Elevated Installation >20' To 25', Add	3.55	
			For Elevated Installation >25' To 30', Add	4.97	
			For Elevated Installation >30' To 35', Add	5.68	
			For Elevated Installation >35' To 40', Add	7.11	
			For Elevated Installation >40', Add	7.82	
26 05 33 13-0649	EA	1-1/2"	Electrical Metallic Tubing (EMT) Compression Coupling	19.45	6.64
			For Work In Restricted Working Space, Add	4.98	
			For Elevated Installation >10' To 15', Add	1.66	
			For Elevated Installation >15' To 20', Add	3.32	
			For Elevated Installation >20' To 25', Add	4.15	
			For Elevated Installation >25' To 30', Add	5.81	
			For Elevated Installation >30' To 35', Add	6.64	
			For Elevated Installation >35' To 40', Add	8.30	
			For Elevated Installation >40', Add	9.12	
26 05 33 13-0650	EA	2"	Electrical Metallic Tubing (EMT) Compression Coupling	25.82	8.53
			For Work In Restricted Working Space, Add	6.40	
			For Elevated Installation >10' To 15', Add	2.13	
			For Elevated Installation >15' To 20', Add	4.26	
			For Elevated Installation >20' To 25', Add	5.33	
			For Elevated Installation >25' To 30', Add	7.46	
			For Elevated Installation >30' To 35', Add	8.53	
			For Elevated Installation >35' To 40', Add	10.66	
			For Elevated Installation >40', Add	11.73	
26 05 33 13-0651	EA	2-1/2"	Electrical Metallic Tubing (EMT) Compression Coupling	40.18	11.38
			For Work In Restricted Working Space, Add	8.53	
			For Elevated Installation >10' To 15', Add	2.84	
			For Elevated Installation >15' To 20', Add	5.69	
			For Elevated Installation >20' To 25', Add	7.11	
			For Elevated Installation >25' To 30', Add	9.95	
			For Elevated Installation >30' To 35', Add	11.37	
			For Elevated Installation >35' To 40', Add	14.22	
			For Elevated Installation >40', Add	15.64	

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26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling.....	46.52	13.27
		<i>For Work In Restricted Working Space, Add</i>	9.95	
		<i>For Elevated Installation >10' To 15', Add</i>	3.32	
		<i>For Elevated Installation >15' To 20', Add</i>	6.63	
		<i>For Elevated Installation >20' To 25', Add</i>	8.29	
		<i>For Elevated Installation >25' To 30', Add</i>	11.61	
		<i>For Elevated Installation >30' To 35', Add</i>	13.27	
		<i>For Elevated Installation >35' To 40', Add</i>	16.59	
		<i>For Elevated Installation >40', Add</i>	18.24	
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	58.16	16.59
		<i>For Work In Restricted Working Space, Add</i>	12.44	
		<i>For Elevated Installation >10' To 15', Add</i>	4.15	
		<i>For Elevated Installation >15' To 20', Add</i>	8.29	
		<i>For Elevated Installation >20' To 25', Add</i>	10.37	
		<i>For Elevated Installation >25' To 30', Add</i>	14.51	
		<i>For Elevated Installation >30' To 35', Add</i>	16.58	
		<i>For Elevated Installation >35' To 40', Add</i>	20.73	
		<i>For Elevated Installation >40', Add</i>	22.80	
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling.....	74.61	21.32
		<i>For Work In Restricted Working Space, Add</i>	15.99	
		<i>For Elevated Installation >10' To 15', Add</i>	5.33	
		<i>For Elevated Installation >15' To 20', Add</i>	10.66	
		<i>For Elevated Installation >20' To 25', Add</i>	13.33	
		<i>For Elevated Installation >25' To 30', Add</i>	18.66	
		<i>For Elevated Installation >30' To 35', Add</i>	21.32	
		<i>For Elevated Installation >35' To 40', Add</i>	26.66	
		<i>For Elevated Installation >40', Add</i>	29.32	

26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings (26 05 33 13-0599)

26 05 33 13-0656	EA	1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	8.66	2.85
		<i>For Work In Restricted Working Space, Add</i>	2.13	
		<i>For Elevated Installation >10' To 15', Add</i>	0.71	
		<i>For Elevated Installation >15' To 20', Add</i>	1.42	
		<i>For Elevated Installation >20' To 25', Add</i>	1.78	
		<i>For Elevated Installation >25' To 30', Add</i>	2.49	
		<i>For Elevated Installation >30' To 35', Add</i>	2.84	
		<i>For Elevated Installation >35' To 40', Add</i>	3.56	
		<i>For Elevated Installation >40', Add</i>	3.91	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.13	
26 05 33 13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	9.99	3.32
		<i>For Work In Restricted Working Space, Add</i>	2.49	
		<i>For Elevated Installation >10' To 15', Add</i>	0.83	
		<i>For Elevated Installation >15' To 20', Add</i>	1.66	
		<i>For Elevated Installation >20' To 25', Add</i>	2.07	
		<i>For Elevated Installation >25' To 30', Add</i>	2.90	
		<i>For Elevated Installation >30' To 35', Add</i>	3.32	
		<i>For Elevated Installation >35' To 40', Add</i>	4.15	
		<i>For Elevated Installation >40', Add</i>	4.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.49	
26 05 33 13-0658	EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	14.72	4.74
		<i>For Work In Restricted Working Space, Add</i>	3.56	
		<i>For Elevated Installation >10' To 15', Add</i>	1.19	
		<i>For Elevated Installation >15' To 20', Add</i>	2.37	
		<i>For Elevated Installation >20' To 25', Add</i>	2.96	
		<i>For Elevated Installation >25' To 30', Add</i>	4.15	
		<i>For Elevated Installation >30' To 35', Add</i>	4.74	
		<i>For Elevated Installation >35' To 40', Add</i>	5.93	
		<i>For Elevated Installation >40', Add</i>	6.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 33 13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	18.55	5.68
		<i>For Work In Restricted Working Space, Add</i>	4.26	
		<i>For Elevated Installation >10' To 15', Add</i>	1.42	
		<i>For Elevated Installation >15' To 20', Add</i>	2.84	
		<i>For Elevated Installation >20' To 25', Add</i>	3.55	
		<i>For Elevated Installation >25' To 30', Add</i>	4.97	
		<i>For Elevated Installation >30' To 35', Add</i>	5.68	
		<i>For Elevated Installation >35' To 40', Add</i>	7.11	
		<i>For Elevated Installation >40', Add</i>	7.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.26	
26 05 33 13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	23.54	6.64
		<i>For Work In Restricted Working Space, Add</i>	4.97	
		<i>For Elevated Installation >10' To 15', Add</i>	1.66	
		<i>For Elevated Installation >15' To 20', Add</i>	3.32	
		<i>For Elevated Installation >20' To 25', Add</i>	4.15	
		<i>For Elevated Installation >25' To 30', Add</i>	5.80	
		<i>For Elevated Installation >30' To 35', Add</i>	6.63	
		<i>For Elevated Installation >35' To 40', Add</i>	8.29	
		<i>For Elevated Installation >40', Add</i>	9.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-0661	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	28.69	8.06
		<i>For Work In Restricted Working Space, Add</i>	6.04	
		<i>For Elevated Installation >10' To 15', Add</i>	2.01	
		<i>For Elevated Installation >15' To 20', Add</i>	4.03	
		<i>For Elevated Installation >20' To 25', Add</i>	5.04	
		<i>For Elevated Installation >25' To 30', Add</i>	7.05	
		<i>For Elevated Installation >30' To 35', Add</i>	8.06	
		<i>For Elevated Installation >35' To 40', Add</i>	10.07	
		<i>For Elevated Installation >40', Add</i>	11.08	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0662	EA	2-1/2"	Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	38.62	10.90
			For Work In Restricted Working Space, Add	8.17	
			For Elevated Installation >10' To 15', Add	2.72	
			For Elevated Installation >15' To 20', Add	5.45	
			For Elevated Installation >20' To 25', Add	6.81	
			For Elevated Installation >25' To 30', Add	9.53	
			For Elevated Installation >30' To 35', Add	10.90	
			For Elevated Installation >35' To 40', Add	13.62	
			For Elevated Installation >40', Add	14.98	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.17	
26 05 33 13-0663	EA	3"	Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	48.63	13.27
			For Work In Restricted Working Space, Add	9.95	
			For Elevated Installation >10' To 15', Add	3.32	
			For Elevated Installation >15' To 20', Add	6.63	
			For Elevated Installation >20' To 25', Add	8.29	
			For Elevated Installation >25' To 30', Add	11.61	
			For Elevated Installation >30' To 35', Add	13.27	
			For Elevated Installation >35' To 40', Add	16.59	
			For Elevated Installation >40', Add	18.24	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.95	
26 05 33 13-0664	EA	3-1/2"	Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	63.82	16.59
			For Work In Restricted Working Space, Add	12.44	
			For Elevated Installation >10' To 15', Add	4.15	
			For Elevated Installation >15' To 20', Add	8.29	
			For Elevated Installation >20' To 25', Add	10.37	
			For Elevated Installation >25' To 30', Add	14.51	
			For Elevated Installation >30' To 35', Add	16.58	
			For Elevated Installation >35' To 40', Add	20.73	
			For Elevated Installation >40', Add	22.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.44	
26 05 33 13-0665	EA	4"	Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	78.31	21.32
			For Work In Restricted Working Space, Add	15.99	
			For Elevated Installation >10' To 15', Add	5.33	
			For Elevated Installation >15' To 20', Add	10.66	
			For Elevated Installation >20' To 25', Add	13.33	
			For Elevated Installation >25' To 30', Add	18.66	
			For Elevated Installation >30' To 35', Add	21.32	
			For Elevated Installation >35' To 40', Add	26.66	
			For Elevated Installation >40', Add	29.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.99	
26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing (26 05 33 13-0599)					
26 05 33 13-0667	EA	1/2"	Electrical Metallic Tubing (EMT) Insulated Bushing.....	8.03	3.20
			For Work In Restricted Working Space, Add	2.38	
			For Elevated Installation >10' To 15', Add	0.79	
			For Elevated Installation >15' To 20', Add	1.59	
			For Elevated Installation >20' To 25', Add	1.99	
			For Elevated Installation >25' To 30', Add	2.78	
			For Elevated Installation >30' To 35', Add	3.18	
			For Elevated Installation >35' To 40', Add	3.97	
			For Elevated Installation >40', Add	4.37	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.38	
26 05 33 13-0668	EA	3/4"	Electrical Metallic Tubing (EMT) Insulated Bushing.....	8.78	3.44
			For Work In Restricted Working Space, Add	2.60	
			For Elevated Installation >10' To 15', Add	0.87	
			For Elevated Installation >15' To 20', Add	1.73	
			For Elevated Installation >20' To 25', Add	2.16	
			For Elevated Installation >25' To 30', Add	3.03	
			For Elevated Installation >30' To 35', Add	3.46	
			For Elevated Installation >35' To 40', Add	4.33	
			For Elevated Installation >40', Add	4.76	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.60	
26 05 33 13-0669	EA	1"	Electrical Metallic Tubing (EMT) Insulated Bushing.....	10.97	4.26
			For Work In Restricted Working Space, Add	3.16	
			For Elevated Installation >10' To 15', Add	1.05	
			For Elevated Installation >15' To 20', Add	2.11	
			For Elevated Installation >20' To 25', Add	2.64	
			For Elevated Installation >25' To 30', Add	3.69	
			For Elevated Installation >30' To 35', Add	4.22	
			For Elevated Installation >35' To 40', Add	5.27	
			For Elevated Installation >40', Add	5.80	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-0670	EA	1-1/4"	Electrical Metallic Tubing (EMT) Insulated Bushing	14.03	5.45
			For Work In Restricted Working Space, Add	4.05	
			For Elevated Installation >10' To 15', Add	1.35	
			For Elevated Installation >15' To 20', Add	2.70	
			For Elevated Installation >20' To 25', Add	3.38	
			For Elevated Installation >25' To 30', Add	4.73	
			For Elevated Installation >30' To 35', Add	5.40	
			For Elevated Installation >35' To 40', Add	6.75	
			For Elevated Installation >40', Add	7.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.05	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	16.59	6.27
		For Work In Restricted Working Space, Add	4.73	
		For Elevated Installation >10' To 15', Add	1.58	
		For Elevated Installation >15' To 20', Add	3.15	
		For Elevated Installation >20' To 25', Add	3.94	
		For Elevated Installation >25' To 30', Add	5.52	
		For Elevated Installation >30' To 35', Add	6.30	
		For Elevated Installation >35' To 40', Add	7.88	
		For Elevated Installation >40', Add	8.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.73	
26 05 33 13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	20.35	7.58
		For Work In Restricted Working Space, Add	5.69	
		For Elevated Installation >10' To 15', Add	1.90	
		For Elevated Installation >15' To 20', Add	3.79	
		For Elevated Installation >20' To 25', Add	4.74	
		For Elevated Installation >25' To 30', Add	6.63	
		For Elevated Installation >30' To 35', Add	7.58	
		For Elevated Installation >35' To 40', Add	9.48	
		For Elevated Installation >40', Add	10.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	
26 05 33 13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	29.32	10.54
		For Work In Restricted Working Space, Add	7.89	
		For Elevated Installation >10' To 15', Add	2.63	
		For Elevated Installation >15' To 20', Add	5.26	
		For Elevated Installation >20' To 25', Add	6.58	
		For Elevated Installation >25' To 30', Add	9.21	
		For Elevated Installation >30' To 35', Add	10.52	
		For Elevated Installation >35' To 40', Add	13.15	
		For Elevated Installation >40', Add	14.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.89	
26 05 33 13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing.....	38.90	13.98
		For Work In Restricted Working Space, Add	10.52	
		For Elevated Installation >10' To 15', Add	3.51	
		For Elevated Installation >15' To 20', Add	7.01	
		For Elevated Installation >20' To 25', Add	8.77	
		For Elevated Installation >25' To 30', Add	12.27	
		For Elevated Installation >30' To 35', Add	14.02	
		For Elevated Installation >35' To 40', Add	17.53	
		For Elevated Installation >40', Add	19.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 05 33 13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	49.87	18.00
		For Work In Restricted Working Space, Add	13.54	
		For Elevated Installation >10' To 15', Add	4.51	
		For Elevated Installation >15' To 20', Add	9.03	
		For Elevated Installation >20' To 25', Add	11.29	
		For Elevated Installation >25' To 30', Add	15.80	
		For Elevated Installation >30' To 35', Add	18.06	
		For Elevated Installation >35' To 40', Add	22.57	
		For Elevated Installation >40', Add	24.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 05 33 13-0676	EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	64.50	23.70
		For Work In Restricted Working Space, Add	17.77	
		For Elevated Installation >10' To 15', Add	5.92	
		For Elevated Installation >15' To 20', Add	11.85	
		For Elevated Installation >20' To 25', Add	14.81	
		For Elevated Installation >25' To 30', Add	20.73	
		For Elevated Installation >30' To 35', Add	23.69	
		For Elevated Installation >35' To 40', Add	29.62	
		For Elevated Installation >40', Add	32.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-0677		Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw ⁽²⁶⁾		
26 05 33 13-0678	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	6.13	2.37
		For Work In Restricted Working Space, Add	1.78	
		For Elevated Installation >10' To 15', Add	0.59	
		For Elevated Installation >15' To 20', Add	1.18	
		For Elevated Installation >20' To 25', Add	1.48	
		For Elevated Installation >25' To 30', Add	2.07	
		For Elevated Installation >30' To 35', Add	2.37	
		For Elevated Installation >35' To 40', Add	2.96	
		For Elevated Installation >40', Add	3.26	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.78	
26 05 33 13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	7.44	2.85
		For Work In Restricted Working Space, Add	2.13	
		For Elevated Installation >10' To 15', Add	0.71	
		For Elevated Installation >15' To 20', Add	1.42	
		For Elevated Installation >20' To 25', Add	1.78	
		For Elevated Installation >25' To 30', Add	2.49	
		For Elevated Installation >30' To 35', Add	2.84	
		For Elevated Installation >35' To 40', Add	3.56	
		For Elevated Installation >40', Add	3.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0680 EA 1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	8.87	3.32
For Work In Restricted Working Space, Add	2.49	
For Elevated Installation >10' To 15', Add	0.83	
For Elevated Installation >15' To 20', Add	1.66	
For Elevated Installation >20' To 25', Add	2.07	
For Elevated Installation >25' To 30', Add	2.90	
For Elevated Installation >30' To 35', Add	3.32	
For Elevated Installation >35' To 40', Add	4.15	
For Elevated Installation >40', Add	4.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.49	
26 05 33 13-0681 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	12.91	4.74
For Work In Restricted Working Space, Add	3.56	
For Elevated Installation >10' To 15', Add	1.19	
For Elevated Installation >15' To 20', Add	2.37	
For Elevated Installation >20' To 25', Add	2.96	
For Elevated Installation >25' To 30', Add	4.15	
For Elevated Installation >30' To 35', Add	4.74	
For Elevated Installation >35' To 40', Add	5.93	
For Elevated Installation >40', Add	6.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.56	
26 05 33 13-0682 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	15.75	5.68
For Work In Restricted Working Space, Add	4.26	
For Elevated Installation >10' To 15', Add	1.42	
For Elevated Installation >15' To 20', Add	2.84	
For Elevated Installation >20' To 25', Add	3.55	
For Elevated Installation >25' To 30', Add	4.97	
For Elevated Installation >30' To 35', Add	5.68	
For Elevated Installation >35' To 40', Add	7.11	
For Elevated Installation >40', Add	7.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.26	
26 05 33 13-0683 EA 2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	20.05	7.11
For Work In Restricted Working Space, Add	5.33	
For Elevated Installation >10' To 15', Add	1.78	
For Elevated Installation >15' To 20', Add	3.55	
For Elevated Installation >20' To 25', Add	4.44	
For Elevated Installation >25' To 30', Add	6.22	
For Elevated Installation >30' To 35', Add	7.11	
For Elevated Installation >35' To 40', Add	8.89	
For Elevated Installation >40', Add	9.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-0684 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	30.05	9.47
For Work In Restricted Working Space, Add	7.11	
For Elevated Installation >10' To 15', Add	2.37	
For Elevated Installation >15' To 20', Add	4.74	
For Elevated Installation >20' To 25', Add	5.93	
For Elevated Installation >25' To 30', Add	8.30	
For Elevated Installation >30' To 35', Add	9.48	
For Elevated Installation >35' To 40', Add	11.85	
For Elevated Installation >40', Add	13.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 33 13-0685 EA 3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	37.37	11.85
For Work In Restricted Working Space, Add	8.88	
For Elevated Installation >10' To 15', Add	2.96	
For Elevated Installation >15' To 20', Add	5.92	
For Elevated Installation >20' To 25', Add	7.40	
For Elevated Installation >25' To 30', Add	10.36	
For Elevated Installation >30' To 35', Add	11.84	
For Elevated Installation >35' To 40', Add	14.81	
For Elevated Installation >40', Add	16.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0686 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	44.25	14.21
For Work In Restricted Working Space, Add	10.66	
For Elevated Installation >10' To 15', Add	3.55	
For Elevated Installation >15' To 20', Add	7.11	
For Elevated Installation >20' To 25', Add	8.88	
For Elevated Installation >25' To 30', Add	12.44	
For Elevated Installation >30' To 35', Add	14.21	
For Elevated Installation >35' To 40', Add	17.77	
For Elevated Installation >40', Add	19.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.66	
26 05 33 13-0687 EA 4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	51.56	16.59
For Work In Restricted Working Space, Add	12.44	
For Elevated Installation >10' To 15', Add	4.15	
For Elevated Installation >15' To 20', Add	8.29	
For Elevated Installation >20' To 25', Add	10.37	
For Elevated Installation >25' To 30', Add	14.51	
For Elevated Installation >30' To 35', Add	16.58	
For Elevated Installation >35' To 40', Add	20.73	
For Elevated Installation >40', Add	22.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.44	

26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw (26 05 33 13-0599)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0689	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.28	3.20
		For Work In Restricted Working Space, Add	2.38	
		For Elevated Installation >10' To 15', Add	0.79	
		For Elevated Installation >15' To 20', Add	1.59	
		For Elevated Installation >20' To 25', Add	1.99	
		For Elevated Installation >25' To 30', Add	2.78	
		For Elevated Installation >30' To 35', Add	3.18	
		For Elevated Installation >35' To 40', Add	3.97	
		For Elevated Installation >40', Add	4.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.38	
26 05 33 13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	9.19	3.44
		For Work In Restricted Working Space, Add	2.60	
		For Elevated Installation >10' To 15', Add	0.87	
		For Elevated Installation >15' To 20', Add	1.73	
		For Elevated Installation >20' To 25', Add	2.16	
		For Elevated Installation >25' To 30', Add	3.03	
		For Elevated Installation >30' To 35', Add	3.46	
		For Elevated Installation >35' To 40', Add	4.33	
		For Elevated Installation >40', Add	4.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.60	
26 05 33 13-0691	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	11.51	4.26
		For Work In Restricted Working Space, Add	3.16	
		For Elevated Installation >10' To 15', Add	1.05	
		For Elevated Installation >15' To 20', Add	2.11	
		For Elevated Installation >20' To 25', Add	2.64	
		For Elevated Installation >25' To 30', Add	3.69	
		For Elevated Installation >30' To 35', Add	4.22	
		For Elevated Installation >35' To 40', Add	5.27	
		For Elevated Installation >40', Add	5.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-0692	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	15.11	5.45
		For Work In Restricted Working Space, Add	4.05	
		For Elevated Installation >10' To 15', Add	1.35	
		For Elevated Installation >15' To 20', Add	2.70	
		For Elevated Installation >20' To 25', Add	3.38	
		For Elevated Installation >25' To 30', Add	4.73	
		For Elevated Installation >30' To 35', Add	5.40	
		For Elevated Installation >35' To 40', Add	6.75	
		For Elevated Installation >40', Add	7.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.05	
26 05 33 13-0693	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	17.90	6.27
		For Work In Restricted Working Space, Add	4.73	
		For Elevated Installation >10' To 15', Add	1.58	
		For Elevated Installation >15' To 20', Add	3.15	
		For Elevated Installation >20' To 25', Add	3.94	
		For Elevated Installation >25' To 30', Add	5.52	
		For Elevated Installation >30' To 35', Add	6.30	
		For Elevated Installation >35' To 40', Add	7.88	
		For Elevated Installation >40', Add	8.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.73	
26 05 33 13-0694	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	21.89	7.58
		For Work In Restricted Working Space, Add	5.69	
		For Elevated Installation >10' To 15', Add	1.90	
		For Elevated Installation >15' To 20', Add	3.79	
		For Elevated Installation >20' To 25', Add	4.74	
		For Elevated Installation >25' To 30', Add	6.63	
		For Elevated Installation >30' To 35', Add	7.58	
		For Elevated Installation >35' To 40', Add	9.48	
		For Elevated Installation >40', Add	10.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	
26 05 33 13-0695	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	35.91	10.54
		For Work In Restricted Working Space, Add	7.89	
		For Elevated Installation >10' To 15', Add	2.63	
		For Elevated Installation >15' To 20', Add	5.26	
		For Elevated Installation >20' To 25', Add	6.58	
		For Elevated Installation >25' To 30', Add	9.21	
		For Elevated Installation >30' To 35', Add	10.52	
		For Elevated Installation >35' To 40', Add	13.15	
		For Elevated Installation >40', Add	14.47	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.89	
26 05 33 13-0696	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	46.55	13.98
		For Work In Restricted Working Space, Add	10.52	
		For Elevated Installation >10' To 15', Add	3.51	
		For Elevated Installation >15' To 20', Add	7.01	
		For Elevated Installation >20' To 25', Add	8.77	
		For Elevated Installation >25' To 30', Add	12.27	
		For Elevated Installation >30' To 35', Add	14.02	
		For Elevated Installation >35' To 40', Add	17.53	
		For Elevated Installation >40', Add	19.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 05 33 13-0697	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	59.51	18.00
		For Work In Restricted Working Space, Add	13.54	
		For Elevated Installation >10' To 15', Add	4.51	
		For Elevated Installation >15' To 20', Add	9.03	
		For Elevated Installation >20' To 25', Add	11.29	
		For Elevated Installation >25' To 30', Add	15.80	
		For Elevated Installation >30' To 35', Add	18.06	
		For Elevated Installation >35' To 40', Add	22.57	
		For Elevated Installation >40', Add	24.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0698	EA		4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	75.04	23.70
			For Work In Restricted Working Space, Add	17.77	
			For Elevated Installation >10' To 15', Add	5.92	
			For Elevated Installation >15' To 20', Add	11.85	
			For Elevated Installation >20' To 25', Add	14.81	
			For Elevated Installation >25' To 30', Add	20.73	
			For Elevated Installation >30' To 35', Add	23.69	
			For Elevated Installation >35' To 40', Add	29.62	
			For Elevated Installation >40', Add	32.58	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-0699 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors (26 05 33 13-0599)					
26 05 33 13-0700	EA		1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.44	2.85
			For Work In Restricted Working Space, Add	2.13	
			For Elevated Installation >10' To 15', Add	0.71	
			For Elevated Installation >15' To 20', Add	1.42	
			For Elevated Installation >20' To 25', Add	1.78	
			For Elevated Installation >25' To 30', Add	2.49	
			For Elevated Installation >30' To 35', Add	2.84	
			For Elevated Installation >35' To 40', Add	3.56	
			For Elevated Installation >40', Add	3.91	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.13	
26 05 33 13-0701	EA		3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	8.79	3.32
			For Work In Restricted Working Space, Add	2.49	
			For Elevated Installation >10' To 15', Add	0.83	
			For Elevated Installation >15' To 20', Add	1.66	
			For Elevated Installation >20' To 25', Add	2.07	
			For Elevated Installation >25' To 30', Add	2.90	
			For Elevated Installation >30' To 35', Add	3.32	
			For Elevated Installation >35' To 40', Add	4.15	
			For Elevated Installation >40', Add	4.56	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.49	
26 05 33 13-0702	EA		1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	12.56	4.74
			For Work In Restricted Working Space, Add	3.56	
			For Elevated Installation >10' To 15', Add	1.19	
			For Elevated Installation >15' To 20', Add	2.37	
			For Elevated Installation >20' To 25', Add	2.96	
			For Elevated Installation >25' To 30', Add	4.15	
			For Elevated Installation >30' To 35', Add	4.74	
			For Elevated Installation >35' To 40', Add	5.93	
			For Elevated Installation >40', Add	6.52	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.56	
26 05 33 13-0703	EA		1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	15.55	5.68
			For Work In Restricted Working Space, Add	4.26	
			For Elevated Installation >10' To 15', Add	1.42	
			For Elevated Installation >15' To 20', Add	2.84	
			For Elevated Installation >20' To 25', Add	3.55	
			For Elevated Installation >25' To 30', Add	4.97	
			For Elevated Installation >30' To 35', Add	5.68	
			For Elevated Installation >35' To 40', Add	7.11	
			For Elevated Installation >40', Add	7.82	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.26	
26 05 33 13-0704	EA		1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	18.47	6.64
			For Work In Restricted Working Space, Add	4.98	
			For Elevated Installation >10' To 15', Add	1.66	
			For Elevated Installation >15' To 20', Add	3.32	
			For Elevated Installation >20' To 25', Add	4.15	
			For Elevated Installation >25' To 30', Add	5.81	
			For Elevated Installation >30' To 35', Add	6.64	
			For Elevated Installation >35' To 40', Add	8.30	
			For Elevated Installation >40', Add	9.12	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 05 33 13-0705	EA		2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	24.05	8.53
			For Work In Restricted Working Space, Add	6.40	
			For Elevated Installation >10' To 15', Add	2.13	
			For Elevated Installation >15' To 20', Add	4.26	
			For Elevated Installation >20' To 25', Add	5.33	
			For Elevated Installation >25' To 30', Add	7.46	
			For Elevated Installation >30' To 35', Add	8.53	
			For Elevated Installation >35' To 40', Add	10.66	
			For Elevated Installation >40', Add	11.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 33 13-0706	EA		2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	36.65	11.38
			For Work In Restricted Working Space, Add	8.53	
			For Elevated Installation >10' To 15', Add	2.84	
			For Elevated Installation >15' To 20', Add	5.69	
			For Elevated Installation >20' To 25', Add	7.11	
			For Elevated Installation >25' To 30', Add	9.95	
			For Elevated Installation >30' To 35', Add	11.37	
			For Elevated Installation >35' To 40', Add	14.22	
			For Elevated Installation >40', Add	15.64	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.53	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0707	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	46.28	14.21
		For Work In Restricted Working Space, Add	10.66	
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.11	
		For Elevated Installation >20' To 25', Add	8.88	
		For Elevated Installation >25' To 30', Add	12.44	
		For Elevated Installation >30' To 35', Add	14.21	
		For Elevated Installation >35' To 40', Add	17.77	
		For Elevated Installation >40', Add	19.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.66	
26 05 33 13-0708	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	58.02	16.59
		For Work In Restricted Working Space, Add	12.44	
		For Elevated Installation >10' To 15', Add	4.15	
		For Elevated Installation >15' To 20', Add	8.29	
		For Elevated Installation >20' To 25', Add	10.37	
		For Elevated Installation >25' To 30', Add	14.51	
		For Elevated Installation >30' To 35', Add	16.58	
		For Elevated Installation >35' To 40', Add	20.73	
		For Elevated Installation >40', Add	22.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.44	
26 05 33 13-0709	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	65.34	18.95
		For Work In Restricted Working Space, Add	14.21	
		For Elevated Installation >10' To 15', Add	4.74	
		For Elevated Installation >15' To 20', Add	9.48	
		For Elevated Installation >20' To 25', Add	11.85	
		For Elevated Installation >25' To 30', Add	16.58	
		For Elevated Installation >30' To 35', Add	18.95	
		For Elevated Installation >35' To 40', Add	23.69	
		For Elevated Installation >40', Add	26.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.21	

26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors

(26 05 33 13-0599)

26 05 33 13-0711	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.50	3.20
		For Work In Restricted Working Space, Add	2.38	
		For Elevated Installation >10' To 15', Add	0.79	
		For Elevated Installation >15' To 20', Add	1.59	
		For Elevated Installation >20' To 25', Add	1.99	
		For Elevated Installation >25' To 30', Add	2.78	
		For Elevated Installation >30' To 35', Add	3.18	
		For Elevated Installation >35' To 40', Add	3.97	
		For Elevated Installation >40', Add	4.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.38	
26 05 33 13-0712	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	9.43	3.44
		For Work In Restricted Working Space, Add	2.60	
		For Elevated Installation >10' To 15', Add	0.87	
		For Elevated Installation >15' To 20', Add	1.73	
		For Elevated Installation >20' To 25', Add	2.16	
		For Elevated Installation >25' To 30', Add	3.03	
		For Elevated Installation >30' To 35', Add	3.46	
		For Elevated Installation >35' To 40', Add	4.33	
		For Elevated Installation >40', Add	4.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.60	
26 05 33 13-0713	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	11.70	4.26
		For Work In Restricted Working Space, Add	3.16	
		For Elevated Installation >10' To 15', Add	1.05	
		For Elevated Installation >15' To 20', Add	2.11	
		For Elevated Installation >20' To 25', Add	2.64	
		For Elevated Installation >25' To 30', Add	3.69	
		For Elevated Installation >30' To 35', Add	4.22	
		For Elevated Installation >35' To 40', Add	5.27	
		For Elevated Installation >40', Add	5.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-0714	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	15.67	5.45
		For Work In Restricted Working Space, Add	4.05	
		For Elevated Installation >10' To 15', Add	1.35	
		For Elevated Installation >15' To 20', Add	2.70	
		For Elevated Installation >20' To 25', Add	3.38	
		For Elevated Installation >25' To 30', Add	4.73	
		For Elevated Installation >30' To 35', Add	5.40	
		For Elevated Installation >35' To 40', Add	6.75	
		For Elevated Installation >40', Add	7.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.05	
26 05 33 13-0715	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	18.83	6.27
		For Work In Restricted Working Space, Add	4.73	
		For Elevated Installation >10' To 15', Add	1.58	
		For Elevated Installation >15' To 20', Add	3.15	
		For Elevated Installation >20' To 25', Add	3.94	
		For Elevated Installation >25' To 30', Add	5.52	
		For Elevated Installation >30' To 35', Add	6.30	
		For Elevated Installation >35' To 40', Add	7.88	
		For Elevated Installation >40', Add	8.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0716	EA	2"	Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....23.24		7.58
			For Work In Restricted Working Space, Add	5.69	
			For Elevated Installation >10' To 15', Add	1.90	
			For Elevated Installation >15' To 20', Add	3.79	
			For Elevated Installation >20' To 25', Add	4.74	
			For Elevated Installation >25' To 30', Add	6.63	
			For Elevated Installation >30' To 35', Add	7.58	
			For Elevated Installation >35' To 40', Add	9.48	
			For Elevated Installation >40', Add	10.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	
26 05 33 13-0717	EA	2-1/2"	Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....40.87		10.54
			For Work In Restricted Working Space, Add	7.89	
			For Elevated Installation >10' To 15', Add	2.63	
			For Elevated Installation >15' To 20', Add	5.26	
			For Elevated Installation >20' To 25', Add	6.58	
			For Elevated Installation >25' To 30', Add	9.21	
			For Elevated Installation >30' To 35', Add	10.52	
			For Elevated Installation >35' To 40', Add	13.15	
			For Elevated Installation >40', Add	14.47	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.89	
26 05 33 13-0718	EA	3"	Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....54.88		13.98
			For Work In Restricted Working Space, Add	10.52	
			For Elevated Installation >10' To 15', Add	3.51	
			For Elevated Installation >15' To 20', Add	7.01	
			For Elevated Installation >20' To 25', Add	8.77	
			For Elevated Installation >25' To 30', Add	12.27	
			For Elevated Installation >30' To 35', Add	14.02	
			For Elevated Installation >35' To 40', Add	17.53	
			For Elevated Installation >40', Add	19.28	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.52	
26 05 33 13-0719	EA	3-1/2"	Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....74.10		18.00
			For Work In Restricted Working Space, Add	13.54	
			For Elevated Installation >10' To 15', Add	4.51	
			For Elevated Installation >15' To 20', Add	9.03	
			For Elevated Installation >20' To 25', Add	11.29	
			For Elevated Installation >25' To 30', Add	15.80	
			For Elevated Installation >30' To 35', Add	18.06	
			For Elevated Installation >35' To 40', Add	22.57	
			For Elevated Installation >40', Add	24.83	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 05 33 13-0720	EA	4"	Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....93.10		23.70
			For Work In Restricted Working Space, Add	17.77	
			For Elevated Installation >10' To 15', Add	5.92	
			For Elevated Installation >15' To 20', Add	11.85	
			For Elevated Installation >20' To 25', Add	14.81	
			For Elevated Installation >25' To 30', Add	20.73	
			For Elevated Installation >30' To 35', Add	23.69	
			For Elevated Installation >35' To 40', Add	29.62	
			For Elevated Installation >40', Add	32.58	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-0721 Electrical Metallic Tubing (EMT) Expansion Coupling (26 05 33 13-0599)					
Note: Excludes jumper.					
26 05 33 13-0722	EA	1/2"	Electrical Metallic Tubing (EMT) Expansion Coupling .....62.39		15.76
			For Work In Restricted Working Space, Add	11.83	
			For Elevated Installation >10' To 15', Add	3.94	
			For Elevated Installation >15' To 20', Add	7.88	
			For Elevated Installation >20' To 25', Add	9.86	
			For Elevated Installation >25' To 30', Add	13.80	
			For Elevated Installation >30' To 35', Add	15.77	
			For Elevated Installation >35' To 40', Add	19.71	
			For Elevated Installation >40', Add	21.68	
26 05 33 13-0723	EA	3/4"	Electrical Metallic Tubing (EMT) Expansion Coupling .....75.19		19.08
			For Work In Restricted Working Space, Add	14.34	
			For Elevated Installation >10' To 15', Add	4.78	
			For Elevated Installation >15' To 20', Add	9.56	
			For Elevated Installation >20' To 25', Add	11.95	
			For Elevated Installation >25' To 30', Add	16.73	
			For Elevated Installation >30' To 35', Add	19.12	
			For Elevated Installation >35' To 40', Add	23.90	
			For Elevated Installation >40', Add	26.28	
26 05 33 13-0724	EA	1"	Electrical Metallic Tubing (EMT) Expansion Coupling .....92.45		23.93
			For Work In Restricted Working Space, Add	17.92	
			For Elevated Installation >10' To 15', Add	5.97	
			For Elevated Installation >15' To 20', Add	11.95	
			For Elevated Installation >20' To 25', Add	14.93	
			For Elevated Installation >25' To 30', Add	20.91	
			For Elevated Installation >30' To 35', Add	23.89	
			For Elevated Installation >35' To 40', Add	29.87	
			For Elevated Installation >40', Add	32.85	
26 05 33 13-0725	EA	1-1/4"	Electrical Metallic Tubing (EMT) Expansion Coupling .....119.32		29.38
			For Work In Restricted Working Space, Add	22.04	
			For Elevated Installation >10' To 15', Add	7.35	
			For Elevated Installation >15' To 20', Add	14.70	
			For Elevated Installation >20' To 25', Add	18.37	
			For Elevated Installation >25' To 30', Add	25.72	
			For Elevated Installation >30' To 35', Add	29.39	
			For Elevated Installation >35' To 40', Add	36.74	
			For Elevated Installation >40', Add	40.41	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0726	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	147.95	34.47
		For Work In Restricted Working Space, Add	25.85	
		For Elevated Installation >10' To 15', Add	8.62	
		For Elevated Installation >15' To 20', Add	17.24	
		For Elevated Installation >20' To 25', Add	21.55	
		For Elevated Installation >25' To 30', Add	30.16	
		For Elevated Installation >30' To 35', Add	34.47	
		For Elevated Installation >35' To 40', Add	43.09	
		For Elevated Installation >40', Add	47.40	
26 05 33 13-0727	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	185.27	41.94
		For Work In Restricted Working Space, Add	31.48	
		For Elevated Installation >10' To 15', Add	10.49	
		For Elevated Installation >15' To 20', Add	20.99	
		For Elevated Installation >20' To 25', Add	26.24	
		For Elevated Installation >25' To 30', Add	36.73	
		For Elevated Installation >30' To 35', Add	41.98	
		For Elevated Installation >35' To 40', Add	52.47	
		For Elevated Installation >40', Add	57.72	
26 05 33 13-0728	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	349.80	53.90
		For Work In Restricted Working Space, Add	40.43	
		For Elevated Installation >10' To 15', Add	13.48	
		For Elevated Installation >15' To 20', Add	26.96	
		For Elevated Installation >20' To 25', Add	33.70	
		For Elevated Installation >25' To 30', Add	47.17	
		For Elevated Installation >30' To 35', Add	53.91	
		For Elevated Installation >35' To 40', Add	67.39	
		For Elevated Installation >40', Add	74.13	
26 05 33 13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	427.41	63.02
		For Work In Restricted Working Space, Add	47.28	
		For Elevated Installation >10' To 15', Add	15.76	
		For Elevated Installation >15' To 20', Add	31.52	
		For Elevated Installation >20' To 25', Add	39.40	
		For Elevated Installation >25' To 30', Add	55.16	
		For Elevated Installation >30' To 35', Add	63.04	
		For Elevated Installation >35' To 40', Add	78.80	
		For Elevated Installation >40', Add	86.68	
26 05 33 13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	523.64	68.70
		For Work In Restricted Working Space, Add	51.55	
		For Elevated Installation >10' To 15', Add	17.18	
		For Elevated Installation >15' To 20', Add	34.36	
		For Elevated Installation >20' To 25', Add	42.96	
		For Elevated Installation >25' To 30', Add	60.14	
		For Elevated Installation >30' To 35', Add	68.73	
		For Elevated Installation >35' To 40', Add	85.91	
		For Elevated Installation >40', Add	94.50	
26 05 33 13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	566.98	75.81
		For Work In Restricted Working Space, Add	56.88	
		For Elevated Installation >10' To 15', Add	18.96	
		For Elevated Installation >15' To 20', Add	37.92	
		For Elevated Installation >20' To 25', Add	47.40	
		For Elevated Installation >25' To 30', Add	66.36	
		For Elevated Installation >30' To 35', Add	75.84	
		For Elevated Installation >35' To 40', Add	94.80	
		For Elevated Installation >40', Add	104.28	

26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0599)

26 05 33 13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	11.90	4.26
		For Work In Restricted Working Space, Add	3.15	
		For Elevated Installation >10' To 15', Add	1.05	
		For Elevated Installation >15' To 20', Add	2.10	
		For Elevated Installation >20' To 25', Add	2.63	
		For Elevated Installation >25' To 30', Add	3.68	
		For Elevated Installation >30' To 35', Add	4.20	
		For Elevated Installation >35' To 40', Add	5.26	
		For Elevated Installation >40', Add	5.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.15	
26 05 33 13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	12.65	4.26
		For Work In Restricted Working Space, Add	3.15	
		For Elevated Installation >10' To 15', Add	1.05	
		For Elevated Installation >15' To 20', Add	2.10	
		For Elevated Installation >20' To 25', Add	2.63	
		For Elevated Installation >25' To 30', Add	3.68	
		For Elevated Installation >30' To 35', Add	4.20	
		For Elevated Installation >35' To 40', Add	5.26	
		For Elevated Installation >40', Add	5.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.15	
26 05 33 13-0735	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.15	4.62
		For Work In Restricted Working Space, Add	3.51	
		For Elevated Installation >10' To 15', Add	1.17	
		For Elevated Installation >15' To 20', Add	2.34	
		For Elevated Installation >20' To 25', Add	2.92	
		For Elevated Installation >25' To 30', Add	4.09	
		For Elevated Installation >30' To 35', Add	4.68	
		For Elevated Installation >35' To 40', Add	5.85	
		For Elevated Installation >40', Add	6.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.51	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0736	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	16.45	5.33
		For Work In Restricted Working Space, Add	3.99	
		For Elevated Installation >10' To 15', Add	1.33	
		For Elevated Installation >15' To 20', Add	2.66	
		For Elevated Installation >20' To 25', Add	3.33	
		For Elevated Installation >25' To 30', Add	4.66	
		For Elevated Installation >30' To 35', Add	5.32	
		For Elevated Installation >35' To 40', Add	6.65	
		For Elevated Installation >40', Add	7.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.99	
26 05 33 13-0737	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	23.22	6.40
		For Work In Restricted Working Space, Add	4.83	
		For Elevated Installation >10' To 15', Add	1.61	
		For Elevated Installation >15' To 20', Add	3.22	
		For Elevated Installation >20' To 25', Add	4.02	
		For Elevated Installation >25' To 30', Add	5.63	
		For Elevated Installation >30' To 35', Add	6.44	
		For Elevated Installation >35' To 40', Add	8.05	
		For Elevated Installation >40', Add	8.85	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.83	
26 05 33 13-0738	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	28.30	7.35
		For Work In Restricted Working Space, Add	5.51	
		For Elevated Installation >10' To 15', Add	1.84	
		For Elevated Installation >15' To 20', Add	3.68	
		For Elevated Installation >20' To 25', Add	4.60	
		For Elevated Installation >25' To 30', Add	6.43	
		For Elevated Installation >30' To 35', Add	7.35	
		For Elevated Installation >35' To 40', Add	9.19	
		For Elevated Installation >40', Add	10.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 05 33 13-0739	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	36.81	9.24
		For Work In Restricted Working Space, Add	6.89	
		For Elevated Installation >10' To 15', Add	2.30	
		For Elevated Installation >15' To 20', Add	4.59	
		For Elevated Installation >20' To 25', Add	5.74	
		For Elevated Installation >25' To 30', Add	8.04	
		For Elevated Installation >30' To 35', Add	9.19	
		For Elevated Installation >35' To 40', Add	11.49	
		For Elevated Installation >40', Add	12.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.89	
26 05 33 13-0740 Electrical Metallic Tubing (EMT) Pulling Elbows (26 05 33 13-0599)				
26 05 33 13-0741	EA	1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	24.92	10.67
		For Work In Restricted Working Space, Add	6.40	
		For Elevated Installation >15' To 20', Add	4.26	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 33 13-0742	EA	3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	29.06	12.44
		For Work In Restricted Working Space, Add	7.46	
		For Elevated Installation >15' To 20', Add	4.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.46	
26 05 33 13-0743	EA	1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	35.89	14.21
		For Work In Restricted Working Space, Add	8.53	
		For Elevated Installation >15' To 20', Add	5.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.53	
26 05 33 13-0744	EA	1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	45.80	17.77
		For Work In Restricted Working Space, Add	10.66	
		For Elevated Installation >15' To 20', Add	7.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.66	
26 05 33 13-0745 Intermediate Metal Conduit (IMC) (26 05 33 13-0059)				
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.				
26 05 33 13-0746 Intermediate Metal Conduit (IMC) Conduit (26 05 33 13-0745)				
Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".				
26 05 33 13-0747	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	8.77	2.37
		For Elevated Installation >10' To 15', Add	0.62	
		For Elevated Installation >15' To 20', Add	1.23	
		For Elevated Installation >20' To 25', Add	1.54	
		For Elevated Installation >25' To 30', Add	2.16	
		For Elevated Installation >30' To 35', Add	2.46	
		For Elevated Installation >35' To 40', Add	3.08	
		For Elevated Installation >40', Add	3.39	
		For Work In Restricted Working Space, Add	1.85	
		For >250 To 500, Deduct	-0.13	
		For >500 To 1,000, Deduct	-0.20	
		For >1,000, Deduct	-0.26	
		For Installation In Metal Stud Wall, Add	0.62	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.54	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.92	

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26 05 33 13-0748	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	10.46	2.61
		For Elevated Installation >10' To 15', Add	0.74	
		For Elevated Installation >15' To 20', Add	1.47	
		For Elevated Installation >20' To 25', Add	1.84	
		For Elevated Installation >25' To 30', Add	2.57	
		For Elevated Installation >30' To 35', Add	2.94	
		For Elevated Installation >35' To 40', Add	3.68	
		For Elevated Installation >40', Add	4.04	
		For Work In Restricted Working Space, Add	2.21	
		For >250 To 500, Deduct	-0.16	
		For >500 To 1,000, Deduct	-0.23	
		For >1,000, Deduct	-0.31	
		For Installation In Metal Stud Wall, Add	0.74	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.84	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.10	
26 05 33 13-0749	LF	1" Intermediate Metal Conduit (IMC) Conduit	14.05	2.85
		For Elevated Installation >10' To 15', Add	0.92	
		For Elevated Installation >15' To 20', Add	1.85	
		For Elevated Installation >20' To 25', Add	2.31	
		For Elevated Installation >25' To 30', Add	3.23	
		For Elevated Installation >30' To 35', Add	3.70	
		For Elevated Installation >35' To 40', Add	4.62	
		For Elevated Installation >40', Add	5.08	
		For Work In Restricted Working Space, Add	2.77	
		For >250 To 500, Deduct	-0.24	
		For >500 To 1,000, Deduct	-0.36	
		For >1,000, Deduct	-0.48	
		For Installation In Metal Stud Wall, Add	0.92	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.31	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.39	
26 05 33 13-0750	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	16.27	5.68
		For Elevated Installation >10' To 15', Add	1.02	
		For Elevated Installation >15' To 20', Add	2.04	
		For Elevated Installation >20' To 25', Add	2.55	
		For Elevated Installation >25' To 30', Add	3.56	
		For Elevated Installation >30' To 35', Add	4.07	
		For Elevated Installation >35' To 40', Add	5.09	
		For Elevated Installation >40', Add	5.60	
		For Work In Restricted Working Space, Add	3.05	
		For >250 To 500, Deduct	-0.30	
		For >500 To 1,000, Deduct	-0.46	
		For >1,000, Deduct	-0.61	
		For Installation In Metal Stud Wall, Add	1.02	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.55	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.53	
26 05 33 13-0751	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	18.33	3.79
		For Elevated Installation >10' To 15', Add	1.11	
		For Elevated Installation >15' To 20', Add	2.23	
		For Elevated Installation >20' To 25', Add	2.79	
		For Elevated Installation >25' To 30', Add	3.90	
		For Elevated Installation >30' To 35', Add	4.46	
		For Elevated Installation >35' To 40', Add	5.57	
		For Elevated Installation >40', Add	6.13	
		For Work In Restricted Working Space, Add	3.34	
		For >250 To 500, Deduct	-0.36	
		For >500 To 1,000, Deduct	-0.54	
		For >1,000, Deduct	-0.72	
		For Installation In Metal Stud Wall, Add	1.11	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.79	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.67	
26 05 33 13-0752	LF	2" Intermediate Metal Conduit (IMC) Conduit	23.25	4.26
		For Elevated Installation >10' To 15', Add	1.35	
		For Elevated Installation >15' To 20', Add	2.70	
		For Elevated Installation >20' To 25', Add	3.38	
		For Elevated Installation >25' To 30', Add	4.73	
		For Elevated Installation >30' To 35', Add	5.40	
		For Elevated Installation >35' To 40', Add	6.75	
		For Elevated Installation >40', Add	7.43	
		For Work In Restricted Working Space, Add	4.05	
		For >250 To 500, Deduct	-0.49	
		For >500 To 1,000, Deduct	-0.73	
		For >1,000, Deduct	-0.98	
		For Installation In Metal Stud Wall, Add	1.35	
		For Installation In Wood Stud Wall (Includes Drilling), Add	3.38	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.03	
26 05 33 13-0753	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	39.50	5.68
		For Elevated Installation >10' To 15', Add	1.79	
		For Elevated Installation >15' To 20', Add	3.58	
		For Elevated Installation >20' To 25', Add	4.47	
		For Elevated Installation >25' To 30', Add	6.26	
		For Elevated Installation >30' To 35', Add	7.16	
		For Elevated Installation >35' To 40', Add	8.95	
		For Elevated Installation >40', Add	9.84	
		For Work In Restricted Working Space, Add	5.37	
		For >250 To 500, Deduct	-1.08	
		For >500 To 1,000, Deduct	-1.62	
		For >1,000, Deduct	-2.16	
		For Installation In Metal Stud Wall, Add	1.79	
		For Installation In Wood Stud Wall (Includes Drilling), Add	4.47	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0754 LF 3" Intermediate Metal Conduit (IMC) Conduit	50.30	7.11
For Elevated Installation >10' To 15', Add	2.37	
For Elevated Installation >15' To 20', Add	4.74	
For Elevated Installation >20' To 25', Add	5.93	
For Elevated Installation >25' To 30', Add	8.30	
For Elevated Installation >30' To 35', Add	9.48	
For Elevated Installation >35' To 40', Add	11.85	
For Elevated Installation >40', Add	13.04	
For Work In Restricted Working Space, Add	7.11	
For >250 To 500, Deduct	-1.33	
For >500 To 1,000, Deduct	-2.00	
For >1,000, Deduct	-2.66	
For Installation In Metal Stud Wall, Add	2.37	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.93	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.56	
26 05 33 13-0755 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit	57.93	8.53
For Elevated Installation >10' To 15', Add	2.71	
For Elevated Installation >15' To 20', Add	5.42	
For Elevated Installation >20' To 25', Add	6.78	
For Elevated Installation >25' To 30', Add	9.49	
For Elevated Installation >30' To 35', Add	10.85	
For Elevated Installation >35' To 40', Add	13.56	
For Elevated Installation >40', Add	14.92	
For Work In Restricted Working Space, Add	8.14	
For >250 To 500, Deduct	-1.54	
For >500 To 1,000, Deduct	-2.31	
For >1,000, Deduct	-3.08	
For Installation In Metal Stud Wall, Add	2.71	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.78	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.07	
26 05 33 13-0756 LF 4" Intermediate Metal Conduit (IMC) Conduit	67.89	9.95
For Elevated Installation >10' To 15', Add	3.16	
For Elevated Installation >15' To 20', Add	6.33	
For Elevated Installation >20' To 25', Add	7.91	
For Elevated Installation >25' To 30', Add	11.07	
For Elevated Installation >30' To 35', Add	12.65	
For Elevated Installation >35' To 40', Add	15.82	
For Elevated Installation >40', Add	17.40	
For Work In Restricted Working Space, Add	9.49	
For >250 To 500, Deduct	-1.81	
For >500 To 1,000, Deduct	-2.72	
For >1,000, Deduct	-3.63	
For Installation In Metal Stud Wall, Add	3.16	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.91	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.74	
26 05 33 13-0757 Intermediate Metal Conduit (IMC) 90 Degree Elbows (26 05 33 13-0745)		
See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0758 EA 1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	40.82	11.73
For Elevated Installation >10' To 15', Add	2.94	
For Elevated Installation >15' To 20', Add	5.88	
For Elevated Installation >20' To 25', Add	7.35	
For Elevated Installation >25' To 30', Add	10.29	
For Elevated Installation >30' To 35', Add	11.76	
For Elevated Installation >35' To 40', Add	14.71	
For Elevated Installation >40', Add	16.18	
For Work In Restricted Working Space, Add	8.82	
26 05 33 13-0759 EA 3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	49.38	14.57
For Elevated Installation >10' To 15', Add	3.66	
For Elevated Installation >15' To 20', Add	7.31	
For Elevated Installation >20' To 25', Add	9.14	
For Elevated Installation >25' To 30', Add	12.80	
For Elevated Installation >30' To 35', Add	14.63	
For Elevated Installation >35' To 40', Add	18.29	
For Elevated Installation >40', Add	20.11	
For Work In Restricted Working Space, Add	10.97	
26 05 33 13-0760 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	62.80	17.89
For Elevated Installation >10' To 15', Add	4.46	
For Elevated Installation >15' To 20', Add	8.92	
For Elevated Installation >20' To 25', Add	11.15	
For Elevated Installation >25' To 30', Add	15.61	
For Elevated Installation >30' To 35', Add	17.84	
For Elevated Installation >35' To 40', Add	22.30	
For Elevated Installation >40', Add	24.53	
For Work In Restricted Working Space, Add	13.38	
26 05 33 13-0761 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	77.30	20.73
For Elevated Installation >10' To 15', Add	5.18	
For Elevated Installation >15' To 20', Add	10.36	
For Elevated Installation >20' To 25', Add	12.95	
For Elevated Installation >25' To 30', Add	18.12	
For Elevated Installation >30' To 35', Add	20.71	
For Elevated Installation >35' To 40', Add	25.89	
For Elevated Installation >40', Add	28.48	
For Work In Restricted Working Space, Add	15.53	

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26 05 33 13-0762	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	91.71	23.81
		For Elevated Installation >10' To 15', Add	5.94	
		For Elevated Installation >15' To 20', Add	11.89	
		For Elevated Installation >20' To 25', Add	14.86	
		For Elevated Installation >25' To 30', Add	20.80	
		For Elevated Installation >30' To 35', Add	23.77	
		For Elevated Installation >35' To 40', Add	29.72	
		For Elevated Installation >40', Add	32.69	
		For Work In Restricted Working Space, Add	17.83	
26 05 33 13-0763	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	111.85	26.18
		For Elevated Installation >10' To 15', Add	6.54	
		For Elevated Installation >15' To 20', Add	13.08	
		For Elevated Installation >20' To 25', Add	16.35	
		For Elevated Installation >25' To 30', Add	22.88	
		For Elevated Installation >30' To 35', Add	26.15	
		For Elevated Installation >35' To 40', Add	32.69	
		For Elevated Installation >40', Add	35.96	
		For Work In Restricted Working Space, Add	19.61	
26 05 33 13-0764	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	160.63	32.70
		For Elevated Installation >10' To 15', Add	8.17	
		For Elevated Installation >15' To 20', Add	16.35	
		For Elevated Installation >20' To 25', Add	20.43	
		For Elevated Installation >25' To 30', Add	28.61	
		For Elevated Installation >30' To 35', Add	32.69	
		For Elevated Installation >35' To 40', Add	40.87	
		For Elevated Installation >40', Add	44.95	
		For Work In Restricted Working Space, Add	24.52	
26 05 33 13-0765	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	232.13	44.55
		For Elevated Installation >10' To 15', Add	11.13	
		For Elevated Installation >15' To 20', Add	22.27	
		For Elevated Installation >20' To 25', Add	27.84	
		For Elevated Installation >25' To 30', Add	38.97	
		For Elevated Installation >30' To 35', Add	44.54	
		For Elevated Installation >35' To 40', Add	55.67	
		For Elevated Installation >40', Add	61.24	
		For Work In Restricted Working Space, Add	33.40	
26 05 33 13-0766	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	338.83	50.23
		For Elevated Installation >10' To 15', Add	12.56	
		For Elevated Installation >15' To 20', Add	25.12	
		For Elevated Installation >20' To 25', Add	31.40	
		For Elevated Installation >25' To 30', Add	43.96	
		For Elevated Installation >30' To 35', Add	50.24	
		For Elevated Installation >35' To 40', Add	62.80	
		For Elevated Installation >40', Add	69.07	
		For Work In Restricted Working Space, Add	37.68	
26 05 33 13-0767	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	410.80	65.40
		For Elevated Installation >10' To 15', Add	16.34	
		For Elevated Installation >15' To 20', Add	32.69	
		For Elevated Installation >20' To 25', Add	40.86	
		For Elevated Installation >25' To 30', Add	57.20	
		For Elevated Installation >30' To 35', Add	65.38	
		For Elevated Installation >35' To 40', Add	81.72	
		For Elevated Installation >40', Add	89.89	
		For Work In Restricted Working Space, Add	49.03	

26 05 33 13-0768 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut (26 05 33 13-0745)

26 05 33 13-0769	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	16.20	6.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-0770	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	19.12	0.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-0771	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	24.76	9.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-0772	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	30.24	10.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.17	
26 05 33 13-0773	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	33.89	11.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0774	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	43.78	14.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 05 33 13-0775	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	81.23	23.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-0776	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	100.12	32.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.17	
26 05 33 13-0777	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	131.32	38.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.79	
26 05 33 13-0778	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	155.08	44.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.41	

26 05 33 13-0779 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings (26 05 33 13-0745)

Note: 3-Piece coupling.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0780	EA	1/2"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	53.56	18.95
			For Elevated Installation >10' To 15', Add	4.74	
			For Elevated Installation >15' To 20', Add	9.49	
			For Elevated Installation >20' To 25', Add	11.86	
			For Elevated Installation >25' To 30', Add	16.60	
			For Elevated Installation >30' To 35', Add	18.98	
			For Elevated Installation >35' To 40', Add	23.72	
			For Elevated Installation >40', Add	26.09	
			For Work In Restricted Working Space, Add	14.23	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.23	
26 05 33 13-0781	EA	3/4"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	60.83	21.20
			For Elevated Installation >10' To 15', Add	5.30	
			For Elevated Installation >15' To 20', Add	10.59	
			For Elevated Installation >20' To 25', Add	13.24	
			For Elevated Installation >25' To 30', Add	18.53	
			For Elevated Installation >30' To 35', Add	21.18	
			For Elevated Installation >35' To 40', Add	26.48	
			For Elevated Installation >40', Add	29.12	
			For Work In Restricted Working Space, Add	15.89	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.89	
26 05 33 13-0782	EA	1"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	74.18	23.58
			For Elevated Installation >10' To 15', Add	5.90	
			For Elevated Installation >15' To 20', Add	11.80	
			For Elevated Installation >20' To 25', Add	14.75	
			For Elevated Installation >25' To 30', Add	20.64	
			For Elevated Installation >30' To 35', Add	23.59	
			For Elevated Installation >35' To 40', Add	29.49	
			For Elevated Installation >40', Add	32.44	
			For Work In Restricted Working Space, Add	17.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.69	
26 05 33 13-0783	EA	1-1/4"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	92.50	25.82
			For Elevated Installation >10' To 15', Add	6.45	
			For Elevated Installation >15' To 20', Add	12.91	
			For Elevated Installation >20' To 25', Add	16.14	
			For Elevated Installation >25' To 30', Add	22.59	
			For Elevated Installation >30' To 35', Add	25.82	
			For Elevated Installation >35' To 40', Add	32.27	
			For Elevated Installation >40', Add	35.50	
			For Work In Restricted Working Space, Add	19.36	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.36	
26 05 33 13-0784	EA	1-1/2"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	105.71	28.20
			For Elevated Installation >10' To 15', Add	7.06	
			For Elevated Installation >15' To 20', Add	14.12	
			For Elevated Installation >20' To 25', Add	17.65	
			For Elevated Installation >25' To 30', Add	24.71	
			For Elevated Installation >30' To 35', Add	28.24	
			For Elevated Installation >35' To 40', Add	35.31	
			For Elevated Installation >40', Add	38.84	
			For Work In Restricted Working Space, Add	21.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.18	
26 05 33 13-0785	EA	2"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	146.66	30.56
			For Elevated Installation >10' To 15', Add	7.65	
			For Elevated Installation >15' To 20', Add	15.29	
			For Elevated Installation >20' To 25', Add	19.12	
			For Elevated Installation >25' To 30', Add	26.76	
			For Elevated Installation >30' To 35', Add	30.59	
			For Elevated Installation >35' To 40', Add	38.24	
			For Elevated Installation >40', Add	42.06	
			For Work In Restricted Working Space, Add	22.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.94	
26 05 33 13-0786	EA	2-1/2"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	244.90	37.91
			For Elevated Installation >10' To 15', Add	9.48	
			For Elevated Installation >15' To 20', Add	18.95	
			For Elevated Installation >20' To 25', Add	23.69	
			For Elevated Installation >25' To 30', Add	33.17	
			For Elevated Installation >30' To 35', Add	37.90	
			For Elevated Installation >35' To 40', Add	47.38	
			For Elevated Installation >40', Add	52.12	
			For Work In Restricted Working Space, Add	28.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.43	
26 05 33 13-0787	EA	3"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	347.42	47.38
			For Elevated Installation >10' To 15', Add	11.85	
			For Elevated Installation >15' To 20', Add	23.69	
			For Elevated Installation >20' To 25', Add	29.62	
			For Elevated Installation >25' To 30', Add	41.46	
			For Elevated Installation >30' To 35', Add	47.38	
			For Elevated Installation >35' To 40', Add	59.23	
			For Elevated Installation >40', Add	65.15	
			For Work In Restricted Working Space, Add	35.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.54	
26 05 33 13-0788	EA	3-1/2"	Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	510.04	56.87
			For Elevated Installation >10' To 15', Add	14.22	
			For Elevated Installation >15' To 20', Add	28.44	
			For Elevated Installation >20' To 25', Add	35.55	
			For Elevated Installation >25' To 30', Add	49.77	
			For Elevated Installation >30' To 35', Add	56.88	
			For Elevated Installation >35' To 40', Add	71.10	
			For Elevated Installation >40', Add	78.21	
			For Work In Restricted Working Space, Add	42.66	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.66	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0789	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	589.40	61.60
		For Elevated Installation >10' To 15', Add	15.40	
		For Elevated Installation >15' To 20', Add	30.80	
		For Elevated Installation >20' To 25', Add	38.50	
		For Elevated Installation >25' To 30', Add	53.90	
		For Elevated Installation >30' To 35', Add	61.60	
		For Elevated Installation >35' To 40', Add	77.00	
		For Elevated Installation >40', Add	84.69	
		For Work In Restricted Working Space, Add	46.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.20	

26 05 33 13-0790 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors
(26 05 33 13-0745)

26 05 33 13-0791	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	30.36	9.47
		For Elevated Installation >10' To 15', Add	2.37	
		For Elevated Installation >15' To 20', Add	4.74	
		For Elevated Installation >20' To 25', Add	5.93	
		For Elevated Installation >25' To 30', Add	8.30	
		For Elevated Installation >30' To 35', Add	9.48	
		For Elevated Installation >35' To 40', Add	11.85	
		For Elevated Installation >40', Add	13.04	
		For Work In Restricted Working Space, Add	7.11	
26 05 33 13-0792	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	33.94	10.42
		For Elevated Installation >10' To 15', Add	2.61	
		For Elevated Installation >15' To 20', Add	5.21	
		For Elevated Installation >20' To 25', Add	6.52	
		For Elevated Installation >25' To 30', Add	9.12	
		For Elevated Installation >30' To 35', Add	10.42	
		For Elevated Installation >35' To 40', Add	13.03	
		For Elevated Installation >40', Add	14.33	
		For Work In Restricted Working Space, Add	7.82	
26 05 33 13-0793	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	39.00	11.85
		For Elevated Installation >10' To 15', Add	2.96	
		For Elevated Installation >15' To 20', Add	5.92	
		For Elevated Installation >20' To 25', Add	7.41	
		For Elevated Installation >25' To 30', Add	10.37	
		For Elevated Installation >30' To 35', Add	11.85	
		For Elevated Installation >35' To 40', Add	14.81	
		For Elevated Installation >40', Add	16.29	
		For Work In Restricted Working Space, Add	8.89	
26 05 33 13-0794	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	44.38	12.79
		For Elevated Installation >10' To 15', Add	3.20	
		For Elevated Installation >15' To 20', Add	6.40	
		For Elevated Installation >20' To 25', Add	8.00	
		For Elevated Installation >25' To 30', Add	11.20	
		For Elevated Installation >30' To 35', Add	12.80	
		For Elevated Installation >35' To 40', Add	16.00	
		For Elevated Installation >40', Add	17.59	
		For Work In Restricted Working Space, Add	9.60	
26 05 33 13-0795	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	52.81	14.21
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.11	
		For Elevated Installation >20' To 25', Add	8.89	
		For Elevated Installation >25' To 30', Add	12.44	
		For Elevated Installation >30' To 35', Add	14.22	
		For Elevated Installation >35' To 40', Add	17.77	
		For Elevated Installation >40', Add	19.55	
		For Work In Restricted Working Space, Add	10.66	
26 05 33 13-0796	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	64.61	15.64
		For Elevated Installation >10' To 15', Add	3.91	
		For Elevated Installation >15' To 20', Add	7.82	
		For Elevated Installation >20' To 25', Add	9.77	
		For Elevated Installation >25' To 30', Add	13.68	
		For Elevated Installation >30' To 35', Add	15.64	
		For Elevated Installation >35' To 40', Add	19.55	
		For Elevated Installation >40', Add	21.50	
		For Work In Restricted Working Space, Add	11.73	
26 05 33 13-0797	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	88.29	18.95
		For Elevated Installation >10' To 15', Add	4.74	
		For Elevated Installation >15' To 20', Add	9.48	
		For Elevated Installation >20' To 25', Add	11.85	
		For Elevated Installation >25' To 30', Add	16.58	
		For Elevated Installation >30' To 35', Add	18.95	
		For Elevated Installation >35' To 40', Add	23.69	
		For Elevated Installation >40', Add	26.06	
		For Work In Restricted Working Space, Add	14.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0798	EA		3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	109.15	23.70
			For Elevated Installation >10' To 15', Add	5.92	
			For Elevated Installation >15' To 20', Add	11.85	
			For Elevated Installation >20' To 25', Add	14.81	
			For Elevated Installation >25' To 30', Add	20.73	
			For Elevated Installation >30' To 35', Add	23.69	
			For Elevated Installation >35' To 40', Add	29.62	
			For Elevated Installation >40', Add	32.58	
			For Work In Restricted Working Space, Add	17.77	
26 05 33 13-0799	EA		3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	131.14	28.43
			For Elevated Installation >10' To 15', Add	7.11	
			For Elevated Installation >15' To 20', Add	14.22	
			For Elevated Installation >20' To 25', Add	17.77	
			For Elevated Installation >25' To 30', Add	24.88	
			For Elevated Installation >30' To 35', Add	28.43	
			For Elevated Installation >35' To 40', Add	35.54	
			For Elevated Installation >40', Add	39.09	
			For Work In Restricted Working Space, Add	21.32	
26 05 33 13-0800	EA		4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	148.32	30.80
			For Elevated Installation >10' To 15', Add	7.70	
			For Elevated Installation >15' To 20', Add	15.40	
			For Elevated Installation >20' To 25', Add	19.25	
			For Elevated Installation >25' To 30', Add	26.95	
			For Elevated Installation >30' To 35', Add	30.80	
			For Elevated Installation >35' To 40', Add	38.50	
			For Elevated Installation >40', Add	42.35	
			For Work In Restricted Working Space, Add	23.10	
26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs (26 05 33 13-0745)					
26 05 33 13-0802	EA		1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	26.48	9.47
			For Elevated Installation >10' To 15', Add	2.37	
			For Elevated Installation >15' To 20', Add	4.74	
			For Elevated Installation >20' To 25', Add	5.93	
			For Elevated Installation >25' To 30', Add	8.30	
			For Elevated Installation >30' To 35', Add	9.48	
			For Elevated Installation >35' To 40', Add	11.85	
			For Elevated Installation >40', Add	13.04	
			For Work In Restricted Working Space, Add	7.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.11	
26 05 33 13-0803	EA		3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	33.78	11.85
			For Elevated Installation >10' To 15', Add	2.96	
			For Elevated Installation >15' To 20', Add	5.92	
			For Elevated Installation >20' To 25', Add	7.40	
			For Elevated Installation >25' To 30', Add	10.36	
			For Elevated Installation >30' To 35', Add	11.84	
			For Elevated Installation >35' To 40', Add	14.81	
			For Elevated Installation >40', Add	16.29	
			For Work In Restricted Working Space, Add	8.88	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-0804	EA		1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	41.70	14.21
			For Elevated Installation >10' To 15', Add	3.55	
			For Elevated Installation >15' To 20', Add	7.11	
			For Elevated Installation >20' To 25', Add	8.89	
			For Elevated Installation >25' To 30', Add	12.44	
			For Elevated Installation >30' To 35', Add	14.22	
			For Elevated Installation >35' To 40', Add	17.77	
			For Elevated Installation >40', Add	19.55	
			For Work In Restricted Working Space, Add	10.66	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.66	
26 05 33 13-0805	EA		1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	50.18	16.59
			For Elevated Installation >10' To 15', Add	4.15	
			For Elevated Installation >15' To 20', Add	8.29	
			For Elevated Installation >20' To 25', Add	10.37	
			For Elevated Installation >25' To 30', Add	14.51	
			For Elevated Installation >30' To 35', Add	16.59	
			For Elevated Installation >35' To 40', Add	20.74	
			For Elevated Installation >40', Add	22.81	
			For Work In Restricted Working Space, Add	12.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.44	
26 05 33 13-0806	EA		1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	58.60	18.95
			For Elevated Installation >10' To 15', Add	4.74	
			For Elevated Installation >15' To 20', Add	9.48	
			For Elevated Installation >20' To 25', Add	11.85	
			For Elevated Installation >25' To 30', Add	16.58	
			For Elevated Installation >30' To 35', Add	18.95	
			For Elevated Installation >35' To 40', Add	23.69	
			For Elevated Installation >40', Add	26.06	
			For Work In Restricted Working Space, Add	14.21	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.21	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0807	EA 2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	69.52	21.32
	For Elevated Installation >10' To 15', Add	5.33	
	For Elevated Installation >15' To 20', Add	10.66	
	For Elevated Installation >20' To 25', Add	13.33	
	For Elevated Installation >25' To 30', Add	18.66	
	For Elevated Installation >30' To 35', Add	21.32	
	For Elevated Installation >35' To 40', Add	26.65	
	For Elevated Installation >40', Add	29.32	
	For Work In Restricted Working Space, Add	15.99	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.99	
26 05 33 13-0808	EA 2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	86.41	23.70
	For Elevated Installation >10' To 15', Add	5.92	
	For Elevated Installation >15' To 20', Add	11.85	
	For Elevated Installation >20' To 25', Add	14.81	
	For Elevated Installation >25' To 30', Add	20.73	
	For Elevated Installation >30' To 35', Add	23.69	
	For Elevated Installation >35' To 40', Add	29.62	
	For Elevated Installation >40', Add	32.58	
	For Work In Restricted Working Space, Add	17.77	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-0809	EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	101.75	26.06
	For Elevated Installation >10' To 15', Add	6.52	
	For Elevated Installation >15' To 20', Add	13.03	
	For Elevated Installation >20' To 25', Add	16.29	
	For Elevated Installation >25' To 30', Add	22.80	
	For Elevated Installation >30' To 35', Add	26.06	
	For Elevated Installation >35' To 40', Add	32.58	
	For Elevated Installation >40', Add	35.83	
	For Work In Restricted Working Space, Add	19.55	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.55	
26 05 33 13-0810	EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	124.44	30.80
	For Elevated Installation >10' To 15', Add	7.70	
	For Elevated Installation >15' To 20', Add	15.40	
	For Elevated Installation >20' To 25', Add	19.25	
	For Elevated Installation >25' To 30', Add	26.95	
	For Elevated Installation >30' To 35', Add	30.80	
	For Elevated Installation >35' To 40', Add	38.50	
	For Elevated Installation >40', Add	42.35	
	For Work In Restricted Working Space, Add	23.10	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 05 33 13-0811	EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	142.78	33.17
	For Elevated Installation >10' To 15', Add	8.29	
	For Elevated Installation >15' To 20', Add	16.58	
	For Elevated Installation >20' To 25', Add	20.73	
	For Elevated Installation >25' To 30', Add	29.02	
	For Elevated Installation >30' To 35', Add	33.16	
	For Elevated Installation >35' To 40', Add	41.46	
	For Elevated Installation >40', Add	45.60	
	For Work In Restricted Working Space, Add	24.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.87	

26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings (26 05 33 13-0745)

26 05 33 13-0813	EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	167.50	18.95
	For Elevated Installation >10' To 15', Add	4.74	
	For Elevated Installation >15' To 20', Add	9.48	
	For Elevated Installation >20' To 25', Add	11.85	
	For Elevated Installation >25' To 30', Add	16.59	
	For Elevated Installation >30' To 35', Add	18.96	
	For Elevated Installation >35' To 40', Add	23.70	
	For Elevated Installation >40', Add	26.06	
	For Work In Restricted Working Space, Add	14.22	
26 05 33 13-0814	EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	185.43	21.32
	For Elevated Installation >10' To 15', Add	5.33	
	For Elevated Installation >15' To 20', Add	10.66	
	For Elevated Installation >20' To 25', Add	13.33	
	For Elevated Installation >25' To 30', Add	18.66	
	For Elevated Installation >30' To 35', Add	21.32	
	For Elevated Installation >35' To 40', Add	26.66	
	For Elevated Installation >40', Add	29.32	
	For Work In Restricted Working Space, Add	15.99	
26 05 33 13-0815	EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting	206.08	23.70
	For Elevated Installation >10' To 15', Add	5.92	
	For Elevated Installation >15' To 20', Add	11.85	
	For Elevated Installation >20' To 25', Add	14.81	
	For Elevated Installation >25' To 30', Add	20.73	
	For Elevated Installation >30' To 35', Add	23.70	
	For Elevated Installation >35' To 40', Add	29.62	
	For Elevated Installation >40', Add	32.58	
	For Work In Restricted Working Space, Add	17.77	
26 05 33 13-0816	EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	248.32	26.06
	For Elevated Installation >10' To 15', Add	6.52	
	For Elevated Installation >15' To 20', Add	13.03	
	For Elevated Installation >20' To 25', Add	16.29	
	For Elevated Installation >25' To 30', Add	22.80	
	For Elevated Installation >30' To 35', Add	26.06	
	For Elevated Installation >35' To 40', Add	32.58	
	For Elevated Installation >40', Add	35.83	
	For Work In Restricted Working Space, Add	19.55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0817 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	303.41	28.43
For Elevated Installation >10' To 15', Add	7.11	
For Elevated Installation >15' To 20', Add	14.21	
For Elevated Installation >20' To 25', Add	17.77	
For Elevated Installation >25' To 30', Add	24.87	
For Elevated Installation >30' To 35', Add	28.43	
For Elevated Installation >35' To 40', Add	35.54	
For Elevated Installation >40', Add	39.09	
For Work In Restricted Working Space, Add	21.32	
26 05 33 13-0818 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting	397.39	30.80
For Elevated Installation >10' To 15', Add	7.70	
For Elevated Installation >15' To 20', Add	15.40	
For Elevated Installation >20' To 25', Add	19.25	
For Elevated Installation >25' To 30', Add	26.95	
For Elevated Installation >30' To 35', Add	30.80	
For Elevated Installation >35' To 40', Add	38.50	
For Elevated Installation >40', Add	42.34	
For Work In Restricted Working Space, Add	23.10	
26 05 33 13-0819 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	598.03	37.91
For Elevated Installation >10' To 15', Add	9.48	
For Elevated Installation >15' To 20', Add	18.95	
For Elevated Installation >20' To 25', Add	23.69	
For Elevated Installation >25' To 30', Add	33.17	
For Elevated Installation >30' To 35', Add	37.90	
For Elevated Installation >35' To 40', Add	47.38	
For Elevated Installation >40', Add	52.12	
For Work In Restricted Working Space, Add	28.43	
26 05 33 13-0820 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting	719.40	47.38
For Elevated Installation >10' To 15', Add	11.85	
For Elevated Installation >15' To 20', Add	23.69	
For Elevated Installation >20' To 25', Add	29.62	
For Elevated Installation >25' To 30', Add	41.46	
For Elevated Installation >30' To 35', Add	47.38	
For Elevated Installation >35' To 40', Add	59.23	
For Elevated Installation >40', Add	65.15	
For Work In Restricted Working Space, Add	35.54	
26 05 33 13-0821 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	1,000.68	56.87
For Elevated Installation >10' To 15', Add	14.22	
For Elevated Installation >15' To 20', Add	28.43	
For Elevated Installation >20' To 25', Add	35.54	
For Elevated Installation >25' To 30', Add	49.76	
For Elevated Installation >30' To 35', Add	56.87	
For Elevated Installation >35' To 40', Add	71.09	
For Elevated Installation >40', Add	78.19	
For Work In Restricted Working Space, Add	42.65	
26 05 33 13-0822 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,156.33	61.60
For Elevated Installation >10' To 15', Add	15.40	
For Elevated Installation >15' To 20', Add	30.80	
For Elevated Installation >20' To 25', Add	38.50	
For Elevated Installation >25' To 30', Add	53.90	
For Elevated Installation >30' To 35', Add	61.60	
For Elevated Installation >35' To 40', Add	77.00	
For Elevated Installation >40', Add	84.69	
For Work In Restricted Working Space, Add	46.20	
26 05 33 13-0823 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal (26 05 33 13-0745)		
26 05 33 13-0824 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	105.45	29.61
For Elevated Installation >10' To 15', Add	5.92	
For Elevated Installation >15' To 20', Add	11.85	
For Elevated Installation >20' To 25', Add	14.81	
For Elevated Installation >25' To 30', Add	20.73	
For Elevated Installation >30' To 35', Add	23.69	
For Elevated Installation >35' To 40', Add	29.62	
For Elevated Installation >40', Add	32.58	
For Work In Restricted Working Space, Add	17.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-0825 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	125.36	35.53
For Elevated Installation >10' To 15', Add	7.11	
For Elevated Installation >15' To 20', Add	14.22	
For Elevated Installation >20' To 25', Add	17.77	
For Elevated Installation >25' To 30', Add	24.88	
For Elevated Installation >30' To 35', Add	28.43	
For Elevated Installation >35' To 40', Add	35.54	
For Elevated Installation >40', Add	39.09	
For Work In Restricted Working Space, Add	21.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.32	
26 05 33 13-0826 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	152.69	41.46
For Elevated Installation >10' To 15', Add	8.29	
For Elevated Installation >15' To 20', Add	16.59	
For Elevated Installation >20' To 25', Add	20.73	
For Elevated Installation >25' To 30', Add	29.03	
For Elevated Installation >30' To 35', Add	33.17	
For Elevated Installation >35' To 40', Add	41.47	
For Elevated Installation >40', Add	45.61	
For Work In Restricted Working Space, Add	24.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.88	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0827	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	179.48	47.38
		For Elevated Installation >10' To 15', Add	9.48	
		For Elevated Installation >15' To 20', Add	18.95	
		For Elevated Installation >20' To 25', Add	23.69	
		For Elevated Installation >25' To 30', Add	33.17	
		For Elevated Installation >30' To 35', Add	37.90	
		For Elevated Installation >35' To 40', Add	47.38	
		For Elevated Installation >40', Add	52.12	
		For Work In Restricted Working Space, Add	28.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.43	
26 05 33 13-0828	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	234.16	53.31
		For Elevated Installation >10' To 15', Add	10.66	
		For Elevated Installation >15' To 20', Add	21.32	
		For Elevated Installation >20' To 25', Add	26.65	
		For Elevated Installation >25' To 30', Add	37.31	
		For Elevated Installation >30' To 35', Add	42.64	
		For Elevated Installation >35' To 40', Add	53.31	
		For Elevated Installation >40', Add	58.64	
		For Work In Restricted Working Space, Add	31.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.98	
26 05 33 13-0829	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	283.71	59.23
		For Elevated Installation >10' To 15', Add	11.85	
		For Elevated Installation >15' To 20', Add	23.69	
		For Elevated Installation >20' To 25', Add	29.62	
		For Elevated Installation >25' To 30', Add	41.46	
		For Elevated Installation >30' To 35', Add	47.38	
		For Elevated Installation >35' To 40', Add	59.23	
		For Elevated Installation >40', Add	65.15	
		For Work In Restricted Working Space, Add	35.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.54	
26 05 33 13-0830	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	398.91	71.08
		For Elevated Installation >10' To 15', Add	14.22	
		For Elevated Installation >15' To 20', Add	28.43	
		For Elevated Installation >20' To 25', Add	35.54	
		For Elevated Installation >25' To 30', Add	49.76	
		For Elevated Installation >30' To 35', Add	56.86	
		For Elevated Installation >35' To 40', Add	71.08	
		For Elevated Installation >40', Add	78.19	
		For Work In Restricted Working Space, Add	42.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.65	
26 05 33 13-0831	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	479.47	82.93
		For Elevated Installation >10' To 15', Add	16.58	
		For Elevated Installation >15' To 20', Add	33.17	
		For Elevated Installation >20' To 25', Add	41.46	
		For Elevated Installation >25' To 30', Add	58.04	
		For Elevated Installation >30' To 35', Add	66.34	
		For Elevated Installation >35' To 40', Add	82.92	
		For Elevated Installation >40', Add	91.21	
		For Work In Restricted Working Space, Add	49.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.75	
26 05 33 13-0832	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,094.08	94.76
		For Elevated Installation >10' To 15', Add	18.95	
		For Elevated Installation >15' To 20', Add	37.91	
		For Elevated Installation >20' To 25', Add	47.39	
		For Elevated Installation >25' To 30', Add	66.34	
		For Elevated Installation >30' To 35', Add	75.82	
		For Elevated Installation >35' To 40', Add	94.77	
		For Elevated Installation >40', Add	104.25	
		For Work In Restricted Working Space, Add	56.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.86	
26 05 33 13-0833	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,260.10	106.61
		For Elevated Installation >10' To 15', Add	21.32	
		For Elevated Installation >15' To 20', Add	42.65	
		For Elevated Installation >20' To 25', Add	53.31	
		For Elevated Installation >25' To 30', Add	74.63	
		For Elevated Installation >30' To 35', Add	85.29	
		For Elevated Installation >35' To 40', Add	106.62	
		For Elevated Installation >40', Add	117.28	
		For Work In Restricted Working Space, Add	63.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.97	

26 05 33 13-0834 Intermediate Metal Conduit (IMC) Threaded Couplings (26 05 33 13-0745)

26 05 33 13-0835	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	15.79	5.68
		For Elevated Installation >10' To 15', Add	1.42	
		For Elevated Installation >15' To 20', Add	2.84	
		For Elevated Installation >20' To 25', Add	3.55	
		For Elevated Installation >25' To 30', Add	4.97	
		For Elevated Installation >30' To 35', Add	5.68	
		For Elevated Installation >35' To 40', Add	7.11	
		For Elevated Installation >40', Add	7.82	
		For Work In Restricted Working Space, Add	4.26	
26 05 33 13-0836	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	22.06	8.06
		For Elevated Installation >10' To 15', Add	2.02	
		For Elevated Installation >15' To 20', Add	4.03	
		For Elevated Installation >20' To 25', Add	5.04	
		For Elevated Installation >25' To 30', Add	7.05	
		For Elevated Installation >30' To 35', Add	8.06	
		For Elevated Installation >35' To 40', Add	10.08	
		For Elevated Installation >40', Add	11.08	
		For Work In Restricted Working Space, Add	6.05	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0837 EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling	28.89	10.42
For Elevated Installation >10' To 15', Add	2.60	
For Elevated Installation >15' To 20', Add	5.21	
For Elevated Installation >20' To 25', Add	6.51	
For Elevated Installation >25' To 30', Add	9.11	
For Elevated Installation >30' To 35', Add	10.42	
For Elevated Installation >35' To 40', Add	13.02	
For Elevated Installation >40', Add	14.32	
For Work In Restricted Working Space, Add	7.81	
26 05 33 13-0838 EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	33.19	11.85
For Elevated Installation >10' To 15', Add	2.96	
For Elevated Installation >15' To 20', Add	5.92	
For Elevated Installation >20' To 25', Add	7.41	
For Elevated Installation >25' To 30', Add	10.37	
For Elevated Installation >30' To 35', Add	11.85	
For Elevated Installation >35' To 40', Add	14.81	
For Elevated Installation >40', Add	16.29	
For Work In Restricted Working Space, Add	8.89	
26 05 33 13-0839 EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	40.02	14.21
For Elevated Installation >10' To 15', Add	3.55	
For Elevated Installation >15' To 20', Add	7.10	
For Elevated Installation >20' To 25', Add	8.88	
For Elevated Installation >25' To 30', Add	12.43	
For Elevated Installation >30' To 35', Add	14.21	
For Elevated Installation >35' To 40', Add	17.76	
For Elevated Installation >40', Add	19.54	
For Work In Restricted Working Space, Add	10.66	
26 05 33 13-0840 EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling	46.23	16.11
For Elevated Installation >10' To 15', Add	4.03	
For Elevated Installation >15' To 20', Add	8.06	
For Elevated Installation >20' To 25', Add	10.08	
For Elevated Installation >25' To 30', Add	14.11	
For Elevated Installation >30' To 35', Add	16.12	
For Elevated Installation >35' To 40', Add	20.15	
For Elevated Installation >40', Add	22.17	
For Work In Restricted Working Space, Add	12.09	
26 05 33 13-0841 EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	58.15	18.00
For Elevated Installation >10' To 15', Add	4.50	
For Elevated Installation >15' To 20', Add	9.00	
For Elevated Installation >20' To 25', Add	11.25	
For Elevated Installation >25' To 30', Add	15.75	
For Elevated Installation >30' To 35', Add	18.00	
For Elevated Installation >35' To 40', Add	22.51	
For Elevated Installation >40', Add	24.76	
For Work In Restricted Working Space, Add	13.50	
26 05 33 13-0842 EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling	68.88	20.38
For Elevated Installation >10' To 15', Add	5.09	
For Elevated Installation >15' To 20', Add	10.19	
For Elevated Installation >20' To 25', Add	12.74	
For Elevated Installation >25' To 30', Add	17.83	
For Elevated Installation >30' To 35', Add	20.38	
For Elevated Installation >35' To 40', Add	25.47	
For Elevated Installation >40', Add	28.02	
For Work In Restricted Working Space, Add	15.28	
26 05 33 13-0843 EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	79.67	22.27
For Elevated Installation >10' To 15', Add	5.57	
For Elevated Installation >15' To 20', Add	11.14	
For Elevated Installation >20' To 25', Add	13.92	
For Elevated Installation >25' To 30', Add	19.49	
For Elevated Installation >30' To 35', Add	22.28	
For Elevated Installation >35' To 40', Add	27.85	
For Elevated Installation >40', Add	30.63	
For Work In Restricted Working Space, Add	16.71	
26 05 33 13-0844 EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling	83.38	23.70
For Elevated Installation >10' To 15', Add	5.92	
For Elevated Installation >15' To 20', Add	11.84	
For Elevated Installation >20' To 25', Add	14.80	
For Elevated Installation >25' To 30', Add	20.72	
For Elevated Installation >30' To 35', Add	23.68	
For Elevated Installation >35' To 40', Add	29.61	
For Elevated Installation >40', Add	32.57	
For Work In Restricted Working Space, Add	17.76	
26 05 33 13-0845 Intermediate Metal Conduit (IMC) Reducer Bushings (26 05 33 13-0745)		
26 05 33 13-0846 EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	7.68	2.37
For Elevated Installation >10' To 15', Add	0.59	
For Elevated Installation >15' To 20', Add	1.18	
For Elevated Installation >20' To 25', Add	1.48	
For Elevated Installation >25' To 30', Add	2.07	
For Elevated Installation >30' To 35', Add	2.37	
For Elevated Installation >35' To 40', Add	2.96	
For Elevated Installation >40', Add	3.26	
For Work In Restricted Working Space, Add	1.78	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0847	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	8.70	2.37
		For Elevated Installation >10' To 15', Add	0.59	
		For Elevated Installation >15' To 20', Add	1.18	
		For Elevated Installation >20' To 25', Add	1.48	
		For Elevated Installation >25' To 30', Add	2.07	
		For Elevated Installation >30' To 35', Add	2.37	
		For Elevated Installation >35' To 40', Add	2.96	
		For Elevated Installation >40', Add	3.26	
		For Work In Restricted Working Space, Add	1.78	
26 05 33 13-0848		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit (26 05 33 13-0059)		
		Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0849		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit (26 05 33 13-0848)		
		Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0850	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	14.24	3.32
		For Elevated Installation >10' To 15', Add	0.83	
		For Elevated Installation >15' To 20', Add	1.66	
		For Elevated Installation >20' To 25', Add	2.07	
		For Elevated Installation >25' To 30', Add	2.90	
		For Elevated Installation >30' To 35', Add	3.32	
		For Elevated Installation >35' To 40', Add	4.15	
		For Elevated Installation >40', Add	4.56	
		For Work In Restricted Working Space, Add	2.49	
		For >250 To 500, Deduct	-0.50	
		For >500 To 1,000, Deduct	-0.86	
		For >1,000, Deduct	-1.22	
26 05 33 13-0851	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	16.36	3.79
		For Elevated Installation >10' To 15', Add	0.95	
		For Elevated Installation >15' To 20', Add	1.89	
		For Elevated Installation >20' To 25', Add	2.37	
		For Elevated Installation >25' To 30', Add	3.31	
		For Elevated Installation >30' To 35', Add	3.79	
		For Elevated Installation >35' To 40', Add	4.74	
		For Elevated Installation >40', Add	5.21	
		For Work In Restricted Working Space, Add	2.84	
		For >250 To 500, Deduct	-0.58	
		For >500 To 1,000, Deduct	-0.99	
		For >1,000, Deduct	-1.40	
26 05 33 13-0852	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	20.77	4.74
		For Elevated Installation >10' To 15', Add	1.19	
		For Elevated Installation >15' To 20', Add	2.37	
		For Elevated Installation >20' To 25', Add	2.96	
		For Elevated Installation >25' To 30', Add	4.15	
		For Elevated Installation >30' To 35', Add	4.74	
		For Elevated Installation >35' To 40', Add	5.93	
		For Elevated Installation >40', Add	6.52	
		For Work In Restricted Working Space, Add	3.56	
		For >250 To 500, Deduct	-0.74	
		For >500 To 1,000, Deduct	-1.26	
		For >1,000, Deduct	-1.78	
26 05 33 13-0853	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	25.52	5.68
		For Elevated Installation >10' To 15', Add	1.42	
		For Elevated Installation >15' To 20', Add	2.84	
		For Elevated Installation >20' To 25', Add	3.55	
		For Elevated Installation >25' To 30', Add	4.97	
		For Elevated Installation >30' To 35', Add	5.68	
		For Elevated Installation >35' To 40', Add	7.11	
		For Elevated Installation >40', Add	7.82	
		For Work In Restricted Working Space, Add	4.26	
		For >250 To 500, Deduct	-0.92	
		For >500 To 1,000, Deduct	-1.56	
		For >1,000, Deduct	-2.20	
26 05 33 13-0854	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	31.52	7.11
		For Elevated Installation >10' To 15', Add	1.78	
		For Elevated Installation >15' To 20', Add	3.55	
		For Elevated Installation >20' To 25', Add	4.44	
		For Elevated Installation >25' To 30', Add	6.22	
		For Elevated Installation >30' To 35', Add	7.11	
		For Elevated Installation >35' To 40', Add	8.89	
		For Elevated Installation >40', Add	9.77	
		For Work In Restricted Working Space, Add	5.33	
		For >250 To 500, Deduct	-1.13	
		For >500 To 1,000, Deduct	-1.92	
		For >1,000, Deduct	-2.71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0855 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	39.24	8.53
For Elevated Installation >10' To 15', Add	2.13	
For Elevated Installation >15' To 20', Add	4.26	
For Elevated Installation >20' To 25', Add	5.33	
For Elevated Installation >25' To 30', Add	7.46	
For Elevated Installation >30' To 35', Add	8.53	
For Elevated Installation >35' To 40', Add	10.66	
For Elevated Installation >40', Add	11.73	
For Work In Restricted Working Space, Add	6.40	
For >250 To 500, Deduct	-1.43	
For >500 To 1,000, Deduct	-2.41	
For >1,000, Deduct	-3.39	
26 05 33 13-0856 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	52.06	9.95
For Elevated Installation >10' To 15', Add	2.49	
For Elevated Installation >15' To 20', Add	4.98	
For Elevated Installation >20' To 25', Add	6.22	
For Elevated Installation >25' To 30', Add	8.71	
For Elevated Installation >30' To 35', Add	9.95	
For Elevated Installation >35' To 40', Add	12.44	
For Elevated Installation >40', Add	13.68	
For Work In Restricted Working Space, Add	7.46	
For >250 To 500, Deduct	-1.98	
For >500 To 1,000, Deduct	-3.28	
For >1,000, Deduct	-4.58	
26 05 33 13-0857 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	65.07	12.32
For Elevated Installation >10' To 15', Add	3.08	
For Elevated Installation >15' To 20', Add	6.16	
For Elevated Installation >20' To 25', Add	7.70	
For Elevated Installation >25' To 30', Add	10.78	
For Elevated Installation >30' To 35', Add	12.32	
For Elevated Installation >35' To 40', Add	15.40	
For Elevated Installation >40', Add	16.94	
For Work In Restricted Working Space, Add	9.24	
For >250 To 500, Deduct	-2.48	
For >500 To 1,000, Deduct	-4.11	
For >1,000, Deduct	-5.74	
26 05 33 13-0858 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	79.83	15.17
For Elevated Installation >10' To 15', Add	3.79	
For Elevated Installation >15' To 20', Add	7.58	
For Elevated Installation >20' To 25', Add	9.48	
For Elevated Installation >25' To 30', Add	13.27	
For Elevated Installation >30' To 35', Add	15.16	
For Elevated Installation >35' To 40', Add	18.96	
For Elevated Installation >40', Add	20.85	
For Work In Restricted Working Space, Add	11.37	
For >250 To 500, Deduct	-3.04	
For >500 To 1,000, Deduct	-5.04	
For >1,000, Deduct	-7.04	
26 05 33 13-0859 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	94.44	18.00
For Elevated Installation >10' To 15', Add	4.50	
For Elevated Installation >15' To 20', Add	9.00	
For Elevated Installation >20' To 25', Add	11.26	
For Elevated Installation >25' To 30', Add	15.76	
For Elevated Installation >30' To 35', Add	18.01	
For Elevated Installation >35' To 40', Add	22.51	
For Elevated Installation >40', Add	24.76	
For Work In Restricted Working Space, Add	13.51	
For >250 To 500, Deduct	-3.60	
For >500 To 1,000, Deduct	-5.96	
For >1,000, Deduct	-8.32	
26 05 33 13-0860 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	140.89	21.32
For Elevated Installation >10' To 15', Add	5.33	
For Elevated Installation >15' To 20', Add	10.66	
For Elevated Installation >20' To 25', Add	13.33	
For Elevated Installation >25' To 30', Add	18.66	
For Elevated Installation >30' To 35', Add	21.32	
For Elevated Installation >35' To 40', Add	26.66	
For Elevated Installation >40', Add	29.32	
For Work In Restricted Working Space, Add	15.99	
For >250 To 500, Deduct	-5.71	
For >500 To 1,000, Deduct	-9.23	
For >1,000, Deduct	-12.76	
26 05 33 13-0861 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	191.09	28.43
For Elevated Installation >10' To 15', Add	7.11	
For Elevated Installation >15' To 20', Add	14.22	
For Elevated Installation >20' To 25', Add	17.77	
For Elevated Installation >25' To 30', Add	24.88	
For Elevated Installation >30' To 35', Add	28.43	
For Elevated Installation >35' To 40', Add	35.54	
For Elevated Installation >40', Add	39.09	
For Work In Restricted Working Space, Add	21.32	
For >250 To 500, Deduct	-7.78	
For >500 To 1,000, Deduct	-12.55	
For >1,000, Deduct	-17.33	

26 05 33 13-0862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel
(RGS) Couplings (26 05 33 13-0848)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-0863	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	20.49	7.11
	For Elevated Installation >10' To 15', Add	1.42	
	For Elevated Installation >15' To 20', Add	2.84	
	For Elevated Installation >20' To 25', Add	3.55	
	For Elevated Installation >25' To 30', Add	4.97	
	For Elevated Installation >30' To 35', Add	5.68	
	For Elevated Installation >35' To 40', Add	7.11	
	For Elevated Installation >40', Add	7.82	
	For Work In Restricted Working Space, Add	4.26	
26 05 33 13-0864	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	26.72	10.07
	For Elevated Installation >10' To 15', Add	2.01	
	For Elevated Installation >15' To 20', Add	4.03	
	For Elevated Installation >20' To 25', Add	5.04	
	For Elevated Installation >25' To 30', Add	7.05	
	For Elevated Installation >30' To 35', Add	8.06	
	For Elevated Installation >35' To 40', Add	10.07	
	For Elevated Installation >40', Add	11.08	
	For Work In Restricted Working Space, Add	6.04	
26 05 33 13-0865	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	34.60	13.03
	For Elevated Installation >10' To 15', Add	2.61	
	For Elevated Installation >15' To 20', Add	5.21	
	For Elevated Installation >20' To 25', Add	6.52	
	For Elevated Installation >25' To 30', Add	9.12	
	For Elevated Installation >30' To 35', Add	10.42	
	For Elevated Installation >35' To 40', Add	13.03	
	For Elevated Installation >40', Add	14.33	
	For Work In Restricted Working Space, Add	7.82	
26 05 33 13-0866	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	39.58	14.81
	For Elevated Installation >10' To 15', Add	2.96	
	For Elevated Installation >15' To 20', Add	5.92	
	For Elevated Installation >20' To 25', Add	7.40	
	For Elevated Installation >25' To 30', Add	10.36	
	For Elevated Installation >30' To 35', Add	11.84	
	For Elevated Installation >35' To 40', Add	14.81	
	For Elevated Installation >40', Add	16.29	
	For Work In Restricted Working Space, Add	8.88	
26 05 33 13-0867	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	47.38	17.77
	For Elevated Installation >10' To 15', Add	3.55	
	For Elevated Installation >15' To 20', Add	7.11	
	For Elevated Installation >20' To 25', Add	8.88	
	For Elevated Installation >25' To 30', Add	12.44	
	For Elevated Installation >30' To 35', Add	14.21	
	For Elevated Installation >35' To 40', Add	17.77	
	For Elevated Installation >40', Add	19.54	
	For Work In Restricted Working Space, Add	10.66	
26 05 33 13-0868	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	57.62	20.14
	For Elevated Installation >10' To 15', Add	4.03	
	For Elevated Installation >15' To 20', Add	8.06	
	For Elevated Installation >20' To 25', Add	10.07	
	For Elevated Installation >25' To 30', Add	14.10	
	For Elevated Installation >30' To 35', Add	16.11	
	For Elevated Installation >35' To 40', Add	20.14	
	For Elevated Installation >40', Add	22.15	
	For Work In Restricted Working Space, Add	12.08	
26 05 33 13-0869	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	87.93	20.14
	For Elevated Installation >10' To 15', Add	4.50	
	For Elevated Installation >15' To 20', Add	9.00	
	For Elevated Installation >20' To 25', Add	11.26	
	For Elevated Installation >25' To 30', Add	15.76	
	For Elevated Installation >30' To 35', Add	18.01	
	For Elevated Installation >35' To 40', Add	22.51	
	For Elevated Installation >40', Add	24.76	
	For Work In Restricted Working Space, Add	13.51	
26 05 33 13-0870	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	103.05	27.84
	For Elevated Installation >10' To 15', Add	5.09	
	For Elevated Installation >15' To 20', Add	10.19	
	For Elevated Installation >20' To 25', Add	12.74	
	For Elevated Installation >25' To 30', Add	17.83	
	For Elevated Installation >30' To 35', Add	20.38	
	For Elevated Installation >35' To 40', Add	25.47	
	For Elevated Installation >40', Add	28.02	
	For Work In Restricted Working Space, Add	15.28	
26 05 33 13-0871	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	122.53	27.84
	For Elevated Installation >10' To 15', Add	5.57	
	For Elevated Installation >15' To 20', Add	11.13	
	For Elevated Installation >20' To 25', Add	13.92	
	For Elevated Installation >25' To 30', Add	19.48	
	For Elevated Installation >30' To 35', Add	22.27	
	For Elevated Installation >35' To 40', Add	27.84	
	For Elevated Installation >40', Add	30.62	
	For Work In Restricted Working Space, Add	16.70	
26 05 33 13-0872	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	137.40	29.61
	For Elevated Installation >10' To 15', Add	5.92	
	For Elevated Installation >15' To 20', Add	11.85	
	For Elevated Installation >20' To 25', Add	14.81	
	For Elevated Installation >25' To 30', Add	20.73	
	For Elevated Installation >30' To 35', Add	23.69	
	For Elevated Installation >35' To 40', Add	29.62	
	For Elevated Installation >40', Add	32.58	
	For Work In Restricted Working Space, Add	17.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0873	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	325.80	35.53
			For Elevated Installation >10' To 15', Add	7.11	
			For Elevated Installation >15' To 20', Add	14.22	
			For Elevated Installation >20' To 25', Add	17.77	
			For Elevated Installation >25' To 30', Add	24.88	
			For Elevated Installation >30' To 35', Add	28.43	
			For Elevated Installation >35' To 40', Add	35.54	
			For Elevated Installation >40', Add	39.09	
			For Work In Restricted Working Space, Add	21.32	
26 05 33 13-0874	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	367.47	41.46
			For Elevated Installation >10' To 15', Add	8.29	
			For Elevated Installation >15' To 20', Add	16.59	
			For Elevated Installation >20' To 25', Add	20.73	
			For Elevated Installation >25' To 30', Add	29.03	
			For Elevated Installation >30' To 35', Add	33.17	
			For Elevated Installation >35' To 40', Add	41.47	
			For Elevated Installation >40', Add	45.61	
			For Work In Restricted Working Space, Add	24.88	
26 05 33 13-0875			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows (26 05 33 13-0848)		
			Note: 90, 45, or 30-degree.		
26 05 33 13-0876	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	60.51	19.25
			For Elevated Installation >10' To 15', Add	3.85	
			For Elevated Installation >15' To 20', Add	7.70	
			For Elevated Installation >20' To 25', Add	9.63	
			For Elevated Installation >25' To 30', Add	13.48	
			For Elevated Installation >30' To 35', Add	15.40	
			For Elevated Installation >35' To 40', Add	19.25	
			For Elevated Installation >40', Add	21.18	
			For Work In Restricted Working Space, Add	11.55	
26 05 33 13-0877	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	70.59	23.87
			For Elevated Installation >10' To 15', Add	4.77	
			For Elevated Installation >15' To 20', Add	9.55	
			For Elevated Installation >20' To 25', Add	11.94	
			For Elevated Installation >25' To 30', Add	16.71	
			For Elevated Installation >30' To 35', Add	19.10	
			For Elevated Installation >35' To 40', Add	23.87	
			For Elevated Installation >40', Add	26.26	
			For Work In Restricted Working Space, Add	14.32	
26 05 33 13-0878	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	84.73	29.26
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.70	
			For Elevated Installation >20' To 25', Add	14.63	
			For Elevated Installation >25' To 30', Add	20.48	
			For Elevated Installation >30' To 35', Add	23.41	
			For Elevated Installation >35' To 40', Add	29.26	
			For Elevated Installation >40', Add	32.19	
			For Work In Restricted Working Space, Add	17.56	
26 05 33 13-0879	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	99.97	33.88
			For Elevated Installation >10' To 15', Add	6.78	
			For Elevated Installation >15' To 20', Add	13.55	
			For Elevated Installation >20' To 25', Add	16.94	
			For Elevated Installation >25' To 30', Add	23.72	
			For Elevated Installation >30' To 35', Add	27.10	
			For Elevated Installation >35' To 40', Add	33.88	
			For Elevated Installation >40', Add	37.27	
			For Work In Restricted Working Space, Add	20.33	
26 05 33 13-0880	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	116.58	38.50
			For Elevated Installation >10' To 15', Add	7.70	
			For Elevated Installation >15' To 20', Add	15.40	
			For Elevated Installation >20' To 25', Add	19.25	
			For Elevated Installation >25' To 30', Add	26.95	
			For Elevated Installation >30' To 35', Add	30.80	
			For Elevated Installation >35' To 40', Add	38.50	
			For Elevated Installation >40', Add	42.35	
			For Work In Restricted Working Space, Add	23.10	
26 05 33 13-0881	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	139.94	42.35
			For Elevated Installation >10' To 15', Add	8.47	
			For Elevated Installation >15' To 20', Add	16.94	
			For Elevated Installation >20' To 25', Add	21.18	
			For Elevated Installation >25' To 30', Add	29.65	
			For Elevated Installation >30' To 35', Add	33.88	
			For Elevated Installation >35' To 40', Add	42.35	
			For Elevated Installation >40', Add	46.59	
			For Work In Restricted Working Space, Add	25.41	
26 05 33 13-0882	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	210.33	53.13
			For Elevated Installation >10' To 15', Add	10.63	
			For Elevated Installation >15' To 20', Add	21.25	
			For Elevated Installation >20' To 25', Add	26.57	
			For Elevated Installation >25' To 30', Add	37.19	
			For Elevated Installation >30' To 35', Add	42.50	
			For Elevated Installation >35' To 40', Add	53.13	
			For Elevated Installation >40', Add	58.44	
			For Work In Restricted Working Space, Add	31.88	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0883	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	311.07	72.38
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
		For Work In Restricted Working Space, Add	43.43	
26 05 33 13-0884	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	381.46	81.62
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
		For Work In Restricted Working Space, Add	48.97	
26 05 33 13-0885	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	443.18	106.26
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	
		For Work In Restricted Working Space, Add	63.75	
26 05 33 13-0886	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	902.39	173.25
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
		For Work In Restricted Working Space, Add	103.95	
26 05 33 13-0887	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,414.05	260.26
		For Elevated Installation >10' To 15', Add	52.05	
		For Elevated Installation >15' To 20', Add	104.10	
		For Elevated Installation >20' To 25', Add	130.13	
		For Elevated Installation >25' To 30', Add	182.18	
		For Elevated Installation >30' To 35', Add	208.21	
		For Elevated Installation >35' To 40', Add	260.26	
		For Elevated Installation >40', Add	286.29	
		For Work In Restricted Working Space, Add	156.16	

26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows

(26 05 33 13-0848)

26 05 33 13-0889	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	136.61	29.26
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
		For Work In Restricted Working Space, Add	17.56	
26 05 33 13-0890	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	154.14	33.88
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
		For Work In Restricted Working Space, Add	20.33	
26 05 33 13-0891	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	175.89	38.50
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
		For Work In Restricted Working Space, Add	23.10	
26 05 33 13-0892	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	208.37	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0893 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	287.79	53.13
For Elevated Installation >10' To 15', Add	10.63	
For Elevated Installation >15' To 20', Add	21.25	
For Elevated Installation >20' To 25', Add	26.57	
For Elevated Installation >25' To 30', Add	37.19	
For Elevated Installation >30' To 35', Add	42.50	
For Elevated Installation >35' To 40', Add	53.13	
For Elevated Installation >40', Add	58.44	
For Work In Restricted Working Space, Add	31.88	
26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows (26 05 33 13-0848)		
26 05 33 13-0895 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	150.65	29.26
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.70	
For Elevated Installation >20' To 25', Add	14.63	
For Elevated Installation >25' To 30', Add	20.48	
For Elevated Installation >30' To 35', Add	23.41	
For Elevated Installation >35' To 40', Add	29.26	
For Elevated Installation >40', Add	32.19	
For Work In Restricted Working Space, Add	17.56	
26 05 33 13-0896 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	177.33	33.88
For Elevated Installation >10' To 15', Add	6.78	
For Elevated Installation >15' To 20', Add	13.55	
For Elevated Installation >20' To 25', Add	16.94	
For Elevated Installation >25' To 30', Add	23.72	
For Elevated Installation >30' To 35', Add	27.10	
For Elevated Installation >35' To 40', Add	33.88	
For Elevated Installation >40', Add	37.27	
For Work In Restricted Working Space, Add	20.33	
26 05 33 13-0897 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	192.51	38.50
For Elevated Installation >10' To 15', Add	7.70	
For Elevated Installation >15' To 20', Add	15.40	
For Elevated Installation >20' To 25', Add	19.25	
For Elevated Installation >25' To 30', Add	26.95	
For Elevated Installation >30' To 35', Add	30.80	
For Elevated Installation >35' To 40', Add	38.50	
For Elevated Installation >40', Add	42.35	
For Work In Restricted Working Space, Add	23.10	
26 05 33 13-0898 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	244.63	42.35
For Elevated Installation >10' To 15', Add	8.47	
For Elevated Installation >15' To 20', Add	16.94	
For Elevated Installation >20' To 25', Add	21.18	
For Elevated Installation >25' To 30', Add	29.65	
For Elevated Installation >30' To 35', Add	33.88	
For Elevated Installation >35' To 40', Add	42.35	
For Elevated Installation >40', Add	46.59	
For Work In Restricted Working Space, Add	25.41	
26 05 33 13-0899 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	322.75	53.13
For Elevated Installation >10' To 15', Add	10.63	
For Elevated Installation >15' To 20', Add	21.25	
For Elevated Installation >20' To 25', Add	26.57	
For Elevated Installation >25' To 30', Add	37.19	
For Elevated Installation >30' To 35', Add	42.50	
For Elevated Installation >35' To 40', Add	53.13	
For Elevated Installation >40', Add	58.44	
For Work In Restricted Working Space, Add	31.88	
26 05 33 13-0900 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	414.73	72.38
For Elevated Installation >10' To 15', Add	14.48	
For Elevated Installation >15' To 20', Add	28.95	
For Elevated Installation >20' To 25', Add	36.19	
For Elevated Installation >25' To 30', Add	50.67	
For Elevated Installation >30' To 35', Add	57.90	
For Elevated Installation >35' To 40', Add	72.38	
For Elevated Installation >40', Add	79.62	
For Work In Restricted Working Space, Add	43.43	
26 05 33 13-0901 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows (26 05 33 13-0848)		
26 05 33 13-0902 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	167.42	29.26
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.70	
For Elevated Installation >20' To 25', Add	14.63	
For Elevated Installation >25' To 30', Add	20.48	
For Elevated Installation >30' To 35', Add	23.41	
For Elevated Installation >35' To 40', Add	29.26	
For Elevated Installation >40', Add	32.19	
For Work In Restricted Working Space, Add	17.56	
26 05 33 13-0903 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	189.40	33.88
For Elevated Installation >10' To 15', Add	6.78	
For Elevated Installation >15' To 20', Add	13.55	
For Elevated Installation >20' To 25', Add	16.94	
For Elevated Installation >25' To 30', Add	23.72	
For Elevated Installation >30' To 35', Add	27.10	
For Elevated Installation >35' To 40', Add	33.88	
For Elevated Installation >40', Add	37.27	
For Work In Restricted Working Space, Add	20.33	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0904	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	213.84	38.50
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
		For Work In Restricted Working Space, Add	23.10	
26 05 33 13-0905	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	256.65	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
26 05 33 13-0906	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	362.91	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
26 05 33 13-0907	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	461.89	72.38
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
		For Work In Restricted Working Space, Add	43.43	
26 05 33 13-0908	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	578.95	81.62
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
		For Work In Restricted Working Space, Add	48.97	
26 05 33 13-0909	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	658.35	106.26
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	
		For Work In Restricted Working Space, Add	63.75	

26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows

26 05 33 13-0911	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	196.40	29.26
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
		For Work In Restricted Working Space, Add	17.56	
26 05 33 13-0912	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	217.75	33.88
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
		For Work In Restricted Working Space, Add	20.33	
26 05 33 13-0913	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	246.03	38.50
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
		For Work In Restricted Working Space, Add	23.10	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0914 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	302.99 8.47 16.94 21.18 29.65 33.88 42.35 46.59 25.41	42.35
26 05 33 13-0915 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	434.80 10.63 21.25 26.57 37.19 42.50 53.13 58.44 31.88	53.13
26 05 33 13-0916 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	541.79 14.48 28.95 36.19 50.67 57.90 72.38 79.62 43.43	72.38
26 05 33 13-0917 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	627.74 16.32 32.65 40.81 57.13 65.30 81.62 89.78 48.97	81.62
26 05 33 13-0918 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	747.91 21.25 42.50 53.13 74.38 85.00 106.26 116.88 63.75	106.26
26 05 33 13-0919 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows (26 05 33 13-0848)		
26 05 33 13-0920 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	218.95 5.85 11.70 14.63 20.48 23.41 29.26 32.19 17.56	29.26
26 05 33 13-0921 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	244.13 6.78 13.55 16.94 23.72 27.10 33.88 37.27 20.33	33.88
26 05 33 13-0922 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	277.70 7.70 15.40 19.25 26.95 30.80 38.50 42.35 23.10	38.50
26 05 33 13-0923 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	343.34 8.47 16.94 21.18 29.65 33.88 42.35 46.59 25.41	42.35

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
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 TOTAL DIRECT DEMOLITION
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26 05 33 13-0924	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	474.03	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
26 05 33 13-0925	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	605.70	72.38
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
		For Work In Restricted Working Space, Add	43.43	
26 05 33 13-0926	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	746.35	81.62
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
		For Work In Restricted Working Space, Add	48.97	
26 05 33 13-0927	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	830.12	106.26
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	
		For Work In Restricted Working Space, Add	63.75	
26 05 33 13-0928	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,382.34	173.25
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
		For Work In Restricted Working Space, Add	103.95	

26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows

(26 05 33 13-0848)

26 05 33 13-0930	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	248.44	29.26
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
		For Work In Restricted Working Space, Add	17.56	
26 05 33 13-0931	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	276.01	33.88
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
		For Work In Restricted Working Space, Add	20.33	
26 05 33 13-0932	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	312.43	38.50
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
		For Work In Restricted Working Space, Add	23.10	
26 05 33 13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	388.08	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0934	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	539.39	53.13
			For Elevated Installation >10' To 15', Add	10.63	
			For Elevated Installation >15' To 20', Add	21.25	
			For Elevated Installation >20' To 25', Add	26.57	
			For Elevated Installation >25' To 30', Add	37.19	
			For Elevated Installation >30' To 35', Add	42.50	
			For Elevated Installation >35' To 40', Add	53.13	
			For Elevated Installation >40', Add	58.44	
			For Work In Restricted Working Space, Add	31.88	
26 05 33 13-0935	EA	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	687.12	72.38
			For Elevated Installation >10' To 15', Add	14.48	
			For Elevated Installation >15' To 20', Add	28.95	
			For Elevated Installation >20' To 25', Add	36.19	
			For Elevated Installation >25' To 30', Add	50.67	
			For Elevated Installation >30' To 35', Add	57.90	
			For Elevated Installation >35' To 40', Add	72.38	
			For Elevated Installation >40', Add	79.62	
			For Work In Restricted Working Space, Add	43.43	
26 05 33 13-0936	EA	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	805.79	81.62
			For Elevated Installation >10' To 15', Add	16.32	
			For Elevated Installation >15' To 20', Add	32.65	
			For Elevated Installation >20' To 25', Add	40.81	
			For Elevated Installation >25' To 30', Add	57.13	
			For Elevated Installation >30' To 35', Add	65.30	
			For Elevated Installation >35' To 40', Add	81.62	
			For Elevated Installation >40', Add	89.78	
			For Work In Restricted Working Space, Add	48.97	
26 05 33 13-0937	EA	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	936.25	106.26
			For Elevated Installation >10' To 15', Add	21.25	
			For Elevated Installation >15' To 20', Add	42.50	
			For Elevated Installation >20' To 25', Add	53.13	
			For Elevated Installation >25' To 30', Add	74.38	
			For Elevated Installation >30' To 35', Add	85.00	
			For Elevated Installation >35' To 40', Add	106.26	
			For Elevated Installation >40', Add	116.88	
			For Work In Restricted Working Space, Add	63.75	
26 05 33 13-0938	EA	5"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,456.72	173.25
			For Elevated Installation >10' To 15', Add	34.65	
			For Elevated Installation >15' To 20', Add	69.30	
			For Elevated Installation >20' To 25', Add	86.63	
			For Elevated Installation >25' To 30', Add	121.28	
			For Elevated Installation >30' To 35', Add	138.60	
			For Elevated Installation >35' To 40', Add	173.25	
			For Elevated Installation >40', Add	190.58	
			For Work In Restricted Working Space, Add	103.95	
26 05 33 13-0939	EA	6"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	2,001.79	260.26
			For Elevated Installation >10' To 15', Add	52.05	
			For Elevated Installation >15' To 20', Add	104.10	
			For Elevated Installation >20' To 25', Add	130.13	
			For Elevated Installation >25' To 30', Add	182.18	
			For Elevated Installation >30' To 35', Add	208.21	
			For Elevated Installation >35' To 40', Add	260.26	
			For Elevated Installation >40', Add	286.29	
			For Work In Restricted Working Space, Add	156.16	

26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows (26 05 33 13-0848)

26 05 33 13-0941	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	289.50	29.26
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.70	
			For Elevated Installation >20' To 25', Add	14.63	
			For Elevated Installation >25' To 30', Add	20.48	
			For Elevated Installation >30' To 35', Add	23.41	
			For Elevated Installation >35' To 40', Add	29.26	
			For Elevated Installation >40', Add	32.19	
			For Work In Restricted Working Space, Add	17.56	
26 05 33 13-0942	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	304.43	33.88
			For Elevated Installation >10' To 15', Add	6.78	
			For Elevated Installation >15' To 20', Add	13.55	
			For Elevated Installation >20' To 25', Add	16.94	
			For Elevated Installation >25' To 30', Add	23.72	
			For Elevated Installation >30' To 35', Add	27.10	
			For Elevated Installation >35' To 40', Add	33.88	
			For Elevated Installation >40', Add	37.27	
			For Work In Restricted Working Space, Add	20.33	
26 05 33 13-0943	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	358.90	38.50
			For Elevated Installation >10' To 15', Add	7.70	
			For Elevated Installation >15' To 20', Add	15.40	
			For Elevated Installation >20' To 25', Add	19.25	
			For Elevated Installation >25' To 30', Add	26.95	
			For Elevated Installation >30' To 35', Add	30.80	
			For Elevated Installation >35' To 40', Add	38.50	
			For Elevated Installation >40', Add	42.35	
			For Work In Restricted Working Space, Add	23.10	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0944	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	450.36	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
26 05 33 13-0945	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	627.52	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
26 05 33 13-0946	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	796.89	72.38
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
		For Work In Restricted Working Space, Add	43.43	
26 05 33 13-0947	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	971.03	81.62
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
		For Work In Restricted Working Space, Add	48.97	
26 05 33 13-0948	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,142.72	106.26
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	
		For Work In Restricted Working Space, Add	63.75	
26 05 33 13-0949	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,699.34	173.25
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
		For Work In Restricted Working Space, Add	103.95	
26 05 33 13-0950	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	2,113.16	260.26
		For Elevated Installation >10' To 15', Add	52.05	
		For Elevated Installation >15' To 20', Add	104.10	
		For Elevated Installation >20' To 25', Add	130.13	
		For Elevated Installation >25' To 30', Add	182.18	
		For Elevated Installation >30' To 35', Add	208.21	
		For Elevated Installation >35' To 40', Add	260.26	
		For Elevated Installation >40', Add	286.29	
		For Work In Restricted Working Space, Add	156.16	

26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows

(26 05 33 13-0948)

26 05 33 13-0952	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	299.39	29.26
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
		For Work In Restricted Working Space, Add	17.56	
26 05 33 13-0953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	352.50	33.88
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
		For Work In Restricted Working Space, Add	20.33	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0954	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	399.09	38.50
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
		For Work In Restricted Working Space, Add	23.10	
26 05 33 13-0955	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	469.09	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
26 05 33 13-0956	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	649.54	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
26 05 33 13-0957	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	830.65	72.38
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
		For Work In Restricted Working Space, Add	43.43	
26 05 33 13-0958	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,061.02	81.62
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
		For Work In Restricted Working Space, Add	48.97	
26 05 33 13-0959	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,189.55	106.26
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	
		For Work In Restricted Working Space, Add	63.75	
26 05 33 13-0960	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,764.52	173.25
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
		For Work In Restricted Working Space, Add	103.95	
26 05 33 13-0961	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	2,169.75	260.26
		For Elevated Installation >10' To 15', Add	52.05	
		For Elevated Installation >15' To 20', Add	104.10	
		For Elevated Installation >20' To 25', Add	130.13	
		For Elevated Installation >25' To 30', Add	182.18	
		For Elevated Installation >30' To 35', Add	208.21	
		For Elevated Installation >35' To 40', Add	260.26	
		For Elevated Installation >40', Add	286.29	
		For Work In Restricted Working Space, Add	156.16	
26 05 33 13-0962		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fittings (26 05 33 13-0848)		
26 05 33 13-0963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	112.53	19.25
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Work In Restricted Working Space, Add	11.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	138.12	25.41
		For Elevated Installation >10' To 15', Add	5.08	
		For Elevated Installation >15' To 20', Add	10.16	
		For Elevated Installation >20' To 25', Add	12.71	
		For Elevated Installation >25' To 30', Add	17.79	
		For Elevated Installation >30' To 35', Add	20.33	
		For Elevated Installation >35' To 40', Add	25.41	
		For Elevated Installation >40', Add	27.95	
		For Work In Restricted Working Space, Add	15.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.25	
26 05 33 13-0965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	183.19	29.26
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
		For Work In Restricted Working Space, Add	17.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.56	
26 05 33 13-0966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	297.95	33.88
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
		For Work In Restricted Working Space, Add	20.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.33	
26 05 33 13-0967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	329.20	38.50
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
		For Work In Restricted Working Space, Add	23.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 05 33 13-0968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	414.67	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-0969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,117.02	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.56	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	
26 05 33 13-0970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,335.07	72.38
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.91	
		For Elevated Installation >35' To 40', Add	72.39	
		For Elevated Installation >40', Add	79.62	
		For Work In Restricted Working Space, Add	43.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 05 33 13-0971	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,775.96	106.26
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.25	
		For Elevated Installation >40', Add	116.88	
		For Work In Restricted Working Space, Add	63.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.75	

26 05 33 13-0972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings (26 05 33 13-0848)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0973 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	108.03	19.25
For Elevated Installation >10' To 15', Add	3.85	
For Elevated Installation >15' To 20', Add	7.70	
For Elevated Installation >20' To 25', Add	9.63	
For Elevated Installation >25' To 30', Add	13.48	
For Elevated Installation >30' To 35', Add	15.40	
For Elevated Installation >35' To 40', Add	19.25	
For Elevated Installation >40', Add	21.18	
For Work In Restricted Working Space, Add	11.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-0974 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	133.03	25.41
For Elevated Installation >10' To 15', Add	5.08	
For Elevated Installation >15' To 20', Add	10.16	
For Elevated Installation >20' To 25', Add	12.71	
For Elevated Installation >25' To 30', Add	17.79	
For Elevated Installation >30' To 35', Add	20.33	
For Elevated Installation >35' To 40', Add	25.41	
For Elevated Installation >40', Add	27.95	
For Work In Restricted Working Space, Add	15.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.25	
26 05 33 13-0975 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	183.19	29.26
For Elevated Installation >10' To 15', Add	5.85	
For Elevated Installation >15' To 20', Add	11.70	
For Elevated Installation >20' To 25', Add	14.63	
For Elevated Installation >25' To 30', Add	20.48	
For Elevated Installation >30' To 35', Add	23.41	
For Elevated Installation >35' To 40', Add	29.26	
For Elevated Installation >40', Add	32.19	
For Work In Restricted Working Space, Add	17.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.56	
26 05 33 13-0976 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	295.33	33.88
For Elevated Installation >10' To 15', Add	6.78	
For Elevated Installation >15' To 20', Add	13.55	
For Elevated Installation >20' To 25', Add	16.94	
For Elevated Installation >25' To 30', Add	23.72	
For Elevated Installation >30' To 35', Add	27.10	
For Elevated Installation >35' To 40', Add	33.88	
For Elevated Installation >40', Add	37.27	
For Work In Restricted Working Space, Add	20.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.33	
26 05 33 13-0977 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	318.65	38.50
For Elevated Installation >10' To 15', Add	7.70	
For Elevated Installation >15' To 20', Add	15.40	
For Elevated Installation >20' To 25', Add	19.25	
For Elevated Installation >25' To 30', Add	26.95	
For Elevated Installation >30' To 35', Add	30.80	
For Elevated Installation >35' To 40', Add	38.50	
For Elevated Installation >40', Add	42.35	
For Work In Restricted Working Space, Add	23.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 05 33 13-0978 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	414.80	42.35
For Elevated Installation >10' To 15', Add	8.47	
For Elevated Installation >15' To 20', Add	16.94	
For Elevated Installation >20' To 25', Add	21.18	
For Elevated Installation >25' To 30', Add	29.65	
For Elevated Installation >30' To 35', Add	33.88	
For Elevated Installation >35' To 40', Add	42.35	
For Elevated Installation >40', Add	46.59	
For Work In Restricted Working Space, Add	25.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-0979 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,072.00	53.13
For Elevated Installation >10' To 15', Add	10.63	
For Elevated Installation >15' To 20', Add	21.25	
For Elevated Installation >20' To 25', Add	26.56	
For Elevated Installation >25' To 30', Add	37.19	
For Elevated Installation >30' To 35', Add	42.50	
For Elevated Installation >35' To 40', Add	53.13	
For Elevated Installation >40', Add	58.44	
For Work In Restricted Working Space, Add	31.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	
26 05 33 13-0980 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,302.23	72.38
For Elevated Installation >10' To 15', Add	14.48	
For Elevated Installation >15' To 20', Add	28.95	
For Elevated Installation >20' To 25', Add	36.19	
For Elevated Installation >25' To 30', Add	50.67	
For Elevated Installation >30' To 35', Add	57.91	
For Elevated Installation >35' To 40', Add	72.39	
For Elevated Installation >40', Add	79.62	
For Work In Restricted Working Space, Add	43.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0981	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,775.88	106.26
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.25	
		For Elevated Installation >40', Add	116.88	
		For Work In Restricted Working Space, Add	63.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.75	

26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings

(26 05 33 13-0848)

26 05 33 13-0983	EA	3/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	98.06	19.25
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Work In Restricted Working Space, Add	11.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-0984	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	117.91	25.41
		For Elevated Installation >10' To 15', Add	5.08	
		For Elevated Installation >15' To 20', Add	10.16	
		For Elevated Installation >20' To 25', Add	12.71	
		For Elevated Installation >25' To 30', Add	17.79	
		For Elevated Installation >30' To 35', Add	20.33	
		For Elevated Installation >35' To 40', Add	25.41	
		For Elevated Installation >40', Add	27.95	
		For Work In Restricted Working Space, Add	15.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.25	
26 05 33 13-0985	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	138.98	29.26
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
		For Work In Restricted Working Space, Add	17.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.56	
26 05 33 13-0986	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	195.86	33.88
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
		For Work In Restricted Working Space, Add	20.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.33	
26 05 33 13-0987	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	228.56	38.50
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
		For Work In Restricted Working Space, Add	23.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 05 33 13-0988	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	349.69	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-0989	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	946.63	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.56	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0990	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,068.04	72.38
			For Elevated Installation >10' To 15', Add	14.48	
			For Elevated Installation >15' To 20', Add	28.95	
			For Elevated Installation >20' To 25', Add	36.19	
			For Elevated Installation >25' To 30', Add	50.67	
			For Elevated Installation >30' To 35', Add	57.91	
			For Elevated Installation >35' To 40', Add	72.39	
			For Elevated Installation >40', Add	79.62	
			For Work In Restricted Working Space, Add	43.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 05 33 13-0991	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,366.70	106.26
			For Elevated Installation >10' To 15', Add	21.25	
			For Elevated Installation >15' To 20', Add	42.50	
			For Elevated Installation >20' To 25', Add	53.13	
			For Elevated Installation >25' To 30', Add	74.38	
			For Elevated Installation >30' To 35', Add	85.00	
			For Elevated Installation >35' To 40', Add	106.25	
			For Elevated Installation >40', Add	116.88	
			For Work In Restricted Working Space, Add	63.75	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.75	
26 05 33 13-0992 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings (26 05 33 13-0848)					
26 05 33 13-0993	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	164.72	19.25
			For Elevated Installation >10' To 15', Add	3.85	
			For Elevated Installation >15' To 20', Add	7.70	
			For Elevated Installation >20' To 25', Add	9.63	
			For Elevated Installation >25' To 30', Add	13.48	
			For Elevated Installation >30' To 35', Add	15.40	
			For Elevated Installation >35' To 40', Add	19.25	
			For Elevated Installation >40', Add	21.18	
			For Work In Restricted Working Space, Add	11.55	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-0994	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	247.53	25.41
			For Elevated Installation >10' To 15', Add	5.08	
			For Elevated Installation >15' To 20', Add	10.16	
			For Elevated Installation >20' To 25', Add	12.71	
			For Elevated Installation >25' To 30', Add	17.79	
			For Elevated Installation >30' To 35', Add	20.33	
			For Elevated Installation >35' To 40', Add	25.41	
			For Elevated Installation >40', Add	27.95	
			For Work In Restricted Working Space, Add	15.25	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.25	
26 05 33 13-0995	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	310.65	29.26
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.70	
			For Elevated Installation >20' To 25', Add	14.63	
			For Elevated Installation >25' To 30', Add	20.48	
			For Elevated Installation >30' To 35', Add	23.41	
			For Elevated Installation >35' To 40', Add	29.26	
			For Elevated Installation >40', Add	32.19	
			For Work In Restricted Working Space, Add	17.56	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.56	
26 05 33 13-0996	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	358.60	33.88
			For Elevated Installation >10' To 15', Add	6.78	
			For Elevated Installation >15' To 20', Add	13.55	
			For Elevated Installation >20' To 25', Add	16.94	
			For Elevated Installation >25' To 30', Add	23.72	
			For Elevated Installation >30' To 35', Add	27.10	
			For Elevated Installation >35' To 40', Add	33.88	
			For Elevated Installation >40', Add	37.27	
			For Work In Restricted Working Space, Add	20.33	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.33	
26 05 33 13-0997	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	407.27	38.50
			For Elevated Installation >10' To 15', Add	7.70	
			For Elevated Installation >15' To 20', Add	15.40	
			For Elevated Installation >20' To 25', Add	19.25	
			For Elevated Installation >25' To 30', Add	26.95	
			For Elevated Installation >30' To 35', Add	30.80	
			For Elevated Installation >35' To 40', Add	38.50	
			For Elevated Installation >40', Add	42.35	
			For Work In Restricted Working Space, Add	23.10	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 05 33 13-0998	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	534.30	42.35
			For Elevated Installation >10' To 15', Add	8.47	
			For Elevated Installation >15' To 20', Add	16.94	
			For Elevated Installation >20' To 25', Add	21.18	
			For Elevated Installation >25' To 30', Add	29.65	
			For Elevated Installation >30' To 35', Add	33.88	
			For Elevated Installation >35' To 40', Add	42.35	
			For Elevated Installation >40', Add	46.59	
			For Work In Restricted Working Space, Add	25.41	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-0999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,665.06	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.56	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	
26 05 33 13-1000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,946.27	72.38
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.91	
		For Elevated Installation >35' To 40', Add	72.39	
		For Elevated Installation >40', Add	79.62	
		For Work In Restricted Working Space, Add	43.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 05 33 13-1001	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	2,396.47	106.26
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.25	
		For Elevated Installation >40', Add	116.88	
		For Work In Restricted Working Space, Add	63.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.75	
26 05 33 13-1002		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings (26 05 33 13-0848)		
26 05 33 13-1003	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	182.41	19.25
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Work In Restricted Working Space, Add	11.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-1004	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	264.23	25.41
		For Elevated Installation >10' To 15', Add	5.08	
		For Elevated Installation >15' To 20', Add	10.16	
		For Elevated Installation >20' To 25', Add	12.71	
		For Elevated Installation >25' To 30', Add	17.79	
		For Elevated Installation >30' To 35', Add	20.33	
		For Elevated Installation >35' To 40', Add	25.41	
		For Elevated Installation >40', Add	27.95	
		For Work In Restricted Working Space, Add	15.25	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.25	
26 05 33 13-1005	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	313.83	29.26
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
		For Work In Restricted Working Space, Add	17.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.56	
26 05 33 13-1006	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	363.84	33.88
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
		For Work In Restricted Working Space, Add	20.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1007 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	421.64	38.50
For Elevated Installation >10' To 15', Add	7.70	
For Elevated Installation >15' To 20', Add	15.40	
For Elevated Installation >20' To 25', Add	19.25	
For Elevated Installation >25' To 30', Add	26.95	
For Elevated Installation >30' To 35', Add	30.80	
For Elevated Installation >35' To 40', Add	38.50	
For Elevated Installation >40', Add	42.35	
For Work In Restricted Working Space, Add	23.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 05 33 13-1008 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	660.54	42.35
For Elevated Installation >10' To 15', Add	8.47	
For Elevated Installation >15' To 20', Add	16.94	
For Elevated Installation >20' To 25', Add	21.18	
For Elevated Installation >25' To 30', Add	29.65	
For Elevated Installation >30' To 35', Add	33.88	
For Elevated Installation >35' To 40', Add	42.35	
For Elevated Installation >40', Add	46.59	
For Work In Restricted Working Space, Add	25.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-1009 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	1,855.54	53.13
For Elevated Installation >10' To 15', Add	10.63	
For Elevated Installation >15' To 20', Add	21.25	
For Elevated Installation >20' To 25', Add	26.56	
For Elevated Installation >25' To 30', Add	37.19	
For Elevated Installation >30' To 35', Add	42.50	
For Elevated Installation >35' To 40', Add	53.13	
For Elevated Installation >40', Add	58.44	
For Work In Restricted Working Space, Add	31.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	
26 05 33 13-1010 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,611.29	72.38
For Elevated Installation >10' To 15', Add	14.48	
For Elevated Installation >15' To 20', Add	28.95	
For Elevated Installation >20' To 25', Add	36.19	
For Elevated Installation >25' To 30', Add	50.67	
For Elevated Installation >30' To 35', Add	57.91	
For Elevated Installation >35' To 40', Add	72.39	
For Elevated Installation >40', Add	79.62	
For Work In Restricted Working Space, Add	43.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 05 33 13-1011 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,733.12	106.26
For Elevated Installation >10' To 15', Add	21.25	
For Elevated Installation >15' To 20', Add	42.50	
For Elevated Installation >20' To 25', Add	53.13	
For Elevated Installation >25' To 30', Add	74.38	
For Elevated Installation >30' To 35', Add	85.00	
For Elevated Installation >35' To 40', Add	106.25	
For Elevated Installation >40', Add	116.88	
For Work In Restricted Working Space, Add	63.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.75	
26 05 33 13-1012 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings (26 05 33 13-0848)		
26 05 33 13-1013 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	145.22	19.25
For Elevated Installation >10' To 15', Add	3.85	
For Elevated Installation >15' To 20', Add	7.70	
For Elevated Installation >20' To 25', Add	9.63	
For Elevated Installation >25' To 30', Add	13.48	
For Elevated Installation >30' To 35', Add	15.40	
For Elevated Installation >35' To 40', Add	19.25	
For Elevated Installation >40', Add	21.18	
For Work In Restricted Working Space, Add	11.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-1014 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	183.47	25.41
For Elevated Installation >10' To 15', Add	5.08	
For Elevated Installation >15' To 20', Add	10.16	
For Elevated Installation >20' To 25', Add	12.71	
For Elevated Installation >25' To 30', Add	17.79	
For Elevated Installation >30' To 35', Add	20.33	
For Elevated Installation >35' To 40', Add	25.41	
For Elevated Installation >40', Add	27.95	
For Work In Restricted Working Space, Add	15.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.25	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1015	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	219.56	29.26
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
		For Work In Restricted Working Space, Add	17.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.56	
26 05 33 13-1016	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	243.60	33.88
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
		For Work In Restricted Working Space, Add	20.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.33	
26 05 33 13-1017	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	326.56	38.50
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
		For Work In Restricted Working Space, Add	23.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.10	
26 05 33 13-1018	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	459.05	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-1019	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,507.29	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.56	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	
26 05 33 13-1020	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,699.58	72.38
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.91	
		For Elevated Installation >35' To 40', Add	72.39	
		For Elevated Installation >40', Add	79.62	
		For Work In Restricted Working Space, Add	43.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.43	
26 05 33 13-1021	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	2,023.99	106.26
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.25	
		For Elevated Installation >40', Add	116.88	
		For Work In Restricted Working Space, Add	63.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.75	

26 05 33 13-1022 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0848)
 Note: Suitable for use in hazardous locations. Class I, Div 2.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1023	EA	1/2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	135.58	36.96
			For Elevated Installation >10' To 15', Add	7.39	
			For Elevated Installation >15' To 20', Add	14.79	
			For Elevated Installation >20' To 25', Add	18.48	
			For Elevated Installation >25' To 30', Add	25.88	
			For Elevated Installation >30' To 35', Add	29.57	
			For Elevated Installation >35' To 40', Add	36.97	
			For Elevated Installation >40', Add	40.66	
			For Work In Restricted Working Space, Add	22.18	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.18	
26 05 33 13-1024	EA	3/4"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	153.05	42.35
			For Elevated Installation >10' To 15', Add	8.47	
			For Elevated Installation >15' To 20', Add	16.94	
			For Elevated Installation >20' To 25', Add	21.17	
			For Elevated Installation >25' To 30', Add	29.64	
			For Elevated Installation >30' To 35', Add	33.88	
			For Elevated Installation >35' To 40', Add	42.35	
			For Elevated Installation >40', Add	46.58	
			For Work In Restricted Working Space, Add	25.41	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-1025	EA	1"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	188.49	48.51
			For Elevated Installation >10' To 15', Add	9.70	
			For Elevated Installation >15' To 20', Add	19.40	
			For Elevated Installation >20' To 25', Add	24.26	
			For Elevated Installation >25' To 30', Add	33.96	
			For Elevated Installation >30' To 35', Add	38.81	
			For Elevated Installation >35' To 40', Add	48.51	
			For Elevated Installation >40', Add	53.36	
			For Work In Restricted Working Space, Add	29.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.11	
26 05 33 13-1026	EA	1-1/4"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	245.20	56.21
			For Elevated Installation >10' To 15', Add	11.24	
			For Elevated Installation >15' To 20', Add	22.48	
			For Elevated Installation >20' To 25', Add	28.11	
			For Elevated Installation >25' To 30', Add	39.35	
			For Elevated Installation >30' To 35', Add	44.97	
			For Elevated Installation >35' To 40', Add	56.21	
			For Elevated Installation >40', Add	61.83	
			For Work In Restricted Working Space, Add	33.73	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.73	
26 05 33 13-1027	EA	1-1/2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	285.34	61.60
			For Elevated Installation >10' To 15', Add	12.32	
			For Elevated Installation >15' To 20', Add	24.64	
			For Elevated Installation >20' To 25', Add	30.80	
			For Elevated Installation >25' To 30', Add	43.12	
			For Elevated Installation >30' To 35', Add	49.28	
			For Elevated Installation >35' To 40', Add	61.60	
			For Elevated Installation >40', Add	67.76	
			For Work In Restricted Working Space, Add	36.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.96	
26 05 33 13-1028	EA	2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	386.88	73.92
			For Elevated Installation >10' To 15', Add	14.78	
			For Elevated Installation >15' To 20', Add	29.57	
			For Elevated Installation >20' To 25', Add	36.96	
			For Elevated Installation >25' To 30', Add	51.74	
			For Elevated Installation >30' To 35', Add	59.14	
			For Elevated Installation >35' To 40', Add	73.92	
			For Elevated Installation >40', Add	81.31	
			For Work In Restricted Working Space, Add	44.35	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.35	
26 05 33 13-1029	EA	2-1/2"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	646.57	103.95
			For Elevated Installation >10' To 15', Add	20.79	
			For Elevated Installation >15' To 20', Add	41.58	
			For Elevated Installation >20' To 25', Add	51.98	
			For Elevated Installation >25' To 30', Add	72.77	
			For Elevated Installation >30' To 35', Add	83.16	
			For Elevated Installation >35' To 40', Add	103.95	
			For Elevated Installation >40', Add	114.35	
			For Work In Restricted Working Space, Add	62.37	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.37	
26 05 33 13-1030	EA	3"	Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	829.03	138.60
			For Elevated Installation >10' To 15', Add	27.72	
			For Elevated Installation >15' To 20', Add	55.44	
			For Elevated Installation >20' To 25', Add	69.30	
			For Elevated Installation >25' To 30', Add	97.02	
			For Elevated Installation >30' To 35', Add	110.88	
			For Elevated Installation >35' To 40', Add	138.61	
			For Elevated Installation >40', Add	152.47	
			For Work In Restricted Working Space, Add	83.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.16	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1031	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,148.24	173.25
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
		For Work In Restricted Working Space, Add	103.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.95	
26 05 33 13-1032	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,320.65	210.98
		For Elevated Installation >10' To 15', Add	42.20	
		For Elevated Installation >15' To 20', Add	84.39	
		For Elevated Installation >20' To 25', Add	105.49	
		For Elevated Installation >25' To 30', Add	147.69	
		For Elevated Installation >30' To 35', Add	168.78	
		For Elevated Installation >35' To 40', Add	210.98	
		For Elevated Installation >40', Add	232.08	
		For Work In Restricted Working Space, Add	126.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.59	

26 05 33 13-1033 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1034	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	177.16	48.51
		For Elevated Installation >10' To 15', Add	9.70	
		For Elevated Installation >15' To 20', Add	19.40	
		For Elevated Installation >20' To 25', Add	24.25	
		For Elevated Installation >25' To 30', Add	33.95	
		For Elevated Installation >30' To 35', Add	38.80	
		For Elevated Installation >35' To 40', Add	48.51	
		For Elevated Installation >40', Add	53.36	
		For Work In Restricted Working Space, Add	29.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.10	
26 05 33 13-1035	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	201.66	53.90
		For Elevated Installation >10' To 15', Add	10.78	
		For Elevated Installation >15' To 20', Add	21.56	
		For Elevated Installation >20' To 25', Add	26.95	
		For Elevated Installation >25' To 30', Add	37.73	
		For Elevated Installation >30' To 35', Add	43.12	
		For Elevated Installation >35' To 40', Add	53.90	
		For Elevated Installation >40', Add	59.29	
		For Work In Restricted Working Space, Add	32.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.34	
26 05 33 13-1036	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	244.99	59.29
		For Elevated Installation >10' To 15', Add	11.86	
		For Elevated Installation >15' To 20', Add	23.71	
		For Elevated Installation >20' To 25', Add	29.64	
		For Elevated Installation >25' To 30', Add	41.50	
		For Elevated Installation >30' To 35', Add	47.43	
		For Elevated Installation >35' To 40', Add	59.29	
		For Elevated Installation >40', Add	65.21	
		For Work In Restricted Working Space, Add	35.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.57	
26 05 33 13-1037	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	327.06	67.76
		For Elevated Installation >10' To 15', Add	13.55	
		For Elevated Installation >15' To 20', Add	27.10	
		For Elevated Installation >20' To 25', Add	33.88	
		For Elevated Installation >25' To 30', Add	47.43	
		For Elevated Installation >30' To 35', Add	54.20	
		For Elevated Installation >35' To 40', Add	67.76	
		For Elevated Installation >40', Add	74.53	
		For Work In Restricted Working Space, Add	40.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.65	
26 05 33 13-1038	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	385.27	73.92
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.57	
		For Elevated Installation >20' To 25', Add	36.96	
		For Elevated Installation >25' To 30', Add	51.74	
		For Elevated Installation >30' To 35', Add	59.14	
		For Elevated Installation >35' To 40', Add	73.92	
		For Elevated Installation >40', Add	81.31	
		For Work In Restricted Working Space, Add	44.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.35	
26 05 33 13-1039	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	522.77	90.86
		For Elevated Installation >10' To 15', Add	18.17	
		For Elevated Installation >15' To 20', Add	36.34	
		For Elevated Installation >20' To 25', Add	45.43	
		For Elevated Installation >25' To 30', Add	63.60	
		For Elevated Installation >30' To 35', Add	72.69	
		For Elevated Installation >35' To 40', Add	90.86	
		For Elevated Installation >40', Add	99.95	
		For Work In Restricted Working Space, Add	54.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1040 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0848)

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1041	EA	1/2"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	155.85	42.35
			For Elevated Installation >10' To 15', Add	8.47	
			For Elevated Installation >15' To 20', Add	16.94	
			For Elevated Installation >20' To 25', Add	21.18	
			For Elevated Installation >25' To 30', Add	29.65	
			For Elevated Installation >30' To 35', Add	33.88	
			For Elevated Installation >35' To 40', Add	42.35	
			For Elevated Installation >40', Add	46.59	
			For Work In Restricted Working Space, Add	25.41	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-1042	EA	3/4"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	178.03	49.28
			For Elevated Installation >10' To 15', Add	9.86	
			For Elevated Installation >15' To 20', Add	19.71	
			For Elevated Installation >20' To 25', Add	24.64	
			For Elevated Installation >25' To 30', Add	34.50	
			For Elevated Installation >30' To 35', Add	39.42	
			For Elevated Installation >35' To 40', Add	49.28	
			For Elevated Installation >40', Add	54.21	
			For Work In Restricted Working Space, Add	29.57	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.57	
26 05 33 13-1043	EA	1"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	214.26	53.90
			For Elevated Installation >10' To 15', Add	10.78	
			For Elevated Installation >15' To 20', Add	21.56	
			For Elevated Installation >20' To 25', Add	26.95	
			For Elevated Installation >25' To 30', Add	37.73	
			For Elevated Installation >30' To 35', Add	43.12	
			For Elevated Installation >35' To 40', Add	53.90	
			For Elevated Installation >40', Add	59.29	
			For Work In Restricted Working Space, Add	32.34	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.34	
26 05 33 13-1044	EA	1-1/4"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	273.08	61.60
			For Elevated Installation >10' To 15', Add	12.32	
			For Elevated Installation >15' To 20', Add	24.64	
			For Elevated Installation >20' To 25', Add	30.80	
			For Elevated Installation >25' To 30', Add	43.12	
			For Elevated Installation >30' To 35', Add	49.28	
			For Elevated Installation >35' To 40', Add	61.60	
			For Elevated Installation >40', Add	67.76	
			For Work In Restricted Working Space, Add	36.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.96	
26 05 33 13-1045	EA	1-1/2"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	322.70	67.76
			For Elevated Installation >10' To 15', Add	13.55	
			For Elevated Installation >15' To 20', Add	27.10	
			For Elevated Installation >20' To 25', Add	33.88	
			For Elevated Installation >25' To 30', Add	47.43	
			For Elevated Installation >30' To 35', Add	54.21	
			For Elevated Installation >35' To 40', Add	67.76	
			For Elevated Installation >40', Add	74.54	
			For Work In Restricted Working Space, Add	40.66	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.66	
26 05 33 13-1046	EA	2"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	430.42	79.31
			For Elevated Installation >10' To 15', Add	15.86	
			For Elevated Installation >15' To 20', Add	31.72	
			For Elevated Installation >20' To 25', Add	39.66	
			For Elevated Installation >25' To 30', Add	55.52	
			For Elevated Installation >30' To 35', Add	63.45	
			For Elevated Installation >35' To 40', Add	79.31	
			For Elevated Installation >40', Add	87.24	
			For Work In Restricted Working Space, Add	47.59	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.59	
26 05 33 13-1047	EA	2-1/2"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	690.13	115.49
			For Elevated Installation >10' To 15', Add	23.10	
			For Elevated Installation >15' To 20', Add	46.20	
			For Elevated Installation >20' To 25', Add	57.75	
			For Elevated Installation >25' To 30', Add	80.85	
			For Elevated Installation >30' To 35', Add	92.40	
			For Elevated Installation >35' To 40', Add	115.50	
			For Elevated Installation >40', Add	127.05	
			For Work In Restricted Working Space, Add	69.30	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.30	
26 05 33 13-1048	EA	3"	Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	912.97	150.15
			For Elevated Installation >10' To 15', Add	30.03	
			For Elevated Installation >15' To 20', Add	60.06	
			For Elevated Installation >20' To 25', Add	75.07	
			For Elevated Installation >25' To 30', Add	105.10	
			For Elevated Installation >30' To 35', Add	120.12	
			For Elevated Installation >35' To 40', Add	150.15	
			For Elevated Installation >40', Add	165.16	
			For Work In Restricted Working Space, Add	90.09	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.09	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
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26 05 33 13-1049	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,250.21	184.80
		For Elevated Installation >10' To 15', Add	36.96	
		For Elevated Installation >15' To 20', Add	73.92	
		For Elevated Installation >20' To 25', Add	92.40	
		For Elevated Installation >25' To 30', Add	129.36	
		For Elevated Installation >30' To 35', Add	147.84	
		For Elevated Installation >35' To 40', Add	184.80	
		For Elevated Installation >40', Add	203.27	
		For Work In Restricted Working Space, Add	110.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.88	
26 05 33 13-1050	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,400.44	222.53
		For Elevated Installation >10' To 15', Add	44.51	
		For Elevated Installation >15' To 20', Add	89.02	
		For Elevated Installation >20' To 25', Add	111.27	
		For Elevated Installation >25' To 30', Add	155.78	
		For Elevated Installation >30' To 35', Add	178.03	
		For Elevated Installation >35' To 40', Add	222.54	
		For Elevated Installation >40', Add	244.79	
		For Work In Restricted Working Space, Add	133.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	133.52	

26 05 33 13-1051 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined

(26 05 33 13-0848)

26 05 33 13-1052	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	31.10	4.62
		For Elevated Installation >10' To 15', Add	0.92	
		For Elevated Installation >15' To 20', Add	1.85	
		For Elevated Installation >20' To 25', Add	2.31	
		For Elevated Installation >25' To 30', Add	3.23	
		For Elevated Installation >30' To 35', Add	3.70	
		For Elevated Installation >35' To 40', Add	4.62	
		For Elevated Installation >40', Add	5.08	
		For Work In Restricted Working Space, Add	2.77	
26 05 33 13-1053	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	34.93	5.39
		For Elevated Installation >10' To 15', Add	1.08	
		For Elevated Installation >15' To 20', Add	2.16	
		For Elevated Installation >20' To 25', Add	2.70	
		For Elevated Installation >25' To 30', Add	3.77	
		For Elevated Installation >30' To 35', Add	4.31	
		For Elevated Installation >35' To 40', Add	5.39	
		For Elevated Installation >40', Add	5.93	
		For Work In Restricted Working Space, Add	3.23	
26 05 33 13-1054	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	45.54	6.93
		For Elevated Installation >10' To 15', Add	1.39	
		For Elevated Installation >15' To 20', Add	2.77	
		For Elevated Installation >20' To 25', Add	3.47	
		For Elevated Installation >25' To 30', Add	4.85	
		For Elevated Installation >30' To 35', Add	5.54	
		For Elevated Installation >35' To 40', Add	6.93	
		For Elevated Installation >40', Add	7.62	
		For Work In Restricted Working Space, Add	4.16	
26 05 33 13-1055	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	58.48	8.47
		For Elevated Installation >10' To 15', Add	1.69	
		For Elevated Installation >15' To 20', Add	3.39	
		For Elevated Installation >20' To 25', Add	4.24	
		For Elevated Installation >25' To 30', Add	5.93	
		For Elevated Installation >30' To 35', Add	6.78	
		For Elevated Installation >35' To 40', Add	8.47	
		For Elevated Installation >40', Add	9.32	
		For Work In Restricted Working Space, Add	5.08	
26 05 33 13-1056	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	65.57	10.01
		For Elevated Installation >10' To 15', Add	2.00	
		For Elevated Installation >15' To 20', Add	4.00	
		For Elevated Installation >20' To 25', Add	5.01	
		For Elevated Installation >25' To 30', Add	7.01	
		For Elevated Installation >30' To 35', Add	8.01	
		For Elevated Installation >35' To 40', Add	10.01	
		For Elevated Installation >40', Add	11.01	
		For Work In Restricted Working Space, Add	6.01	
26 05 33 13-1057	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	81.00	11.55
		For Elevated Installation >10' To 15', Add	2.31	
		For Elevated Installation >15' To 20', Add	4.62	
		For Elevated Installation >20' To 25', Add	5.77	
		For Elevated Installation >25' To 30', Add	8.08	
		For Elevated Installation >30' To 35', Add	9.24	
		For Elevated Installation >35' To 40', Add	11.55	
		For Elevated Installation >40', Add	12.70	
		For Work In Restricted Working Space, Add	6.93	
26 05 33 13-1058	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	104.48	13.09
		For Elevated Installation >10' To 15', Add	2.62	
		For Elevated Installation >15' To 20', Add	5.24	
		For Elevated Installation >20' To 25', Add	6.55	
		For Elevated Installation >25' To 30', Add	9.16	
		For Elevated Installation >30' To 35', Add	10.47	
		For Elevated Installation >35' To 40', Add	13.09	
		For Elevated Installation >40', Add	14.40	
		For Work In Restricted Working Space, Add	7.85	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1059 EA 3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	115.26	18.48
For Elevated Installation >10' To 15', Add	3.70	
For Elevated Installation >15' To 20', Add	7.39	
For Elevated Installation >20' To 25', Add	9.24	
For Elevated Installation >25' To 30', Add	12.94	
For Elevated Installation >30' To 35', Add	14.78	
For Elevated Installation >35' To 40', Add	18.48	
For Elevated Installation >40', Add	20.33	
For Work In Restricted Working Space, Add	11.09	
26 05 33 13-1060 EA 3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	139.76	20.79
For Elevated Installation >10' To 15', Add	4.16	
For Elevated Installation >15' To 20', Add	8.32	
For Elevated Installation >20' To 25', Add	10.40	
For Elevated Installation >25' To 30', Add	14.55	
For Elevated Installation >30' To 35', Add	16.63	
For Elevated Installation >35' To 40', Add	20.79	
For Elevated Installation >40', Add	22.87	
For Work In Restricted Working Space, Add	12.47	
26 05 33 13-1061 EA 4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	150.54	26.18
For Elevated Installation >10' To 15', Add	5.24	
For Elevated Installation >15' To 20', Add	10.47	
For Elevated Installation >20' To 25', Add	13.09	
For Elevated Installation >25' To 30', Add	18.33	
For Elevated Installation >30' To 35', Add	20.94	
For Elevated Installation >35' To 40', Add	26.18	
For Elevated Installation >40', Add	28.80	
For Work In Restricted Working Space, Add	15.71	
26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies (26 05 33 13-0848)		
26 05 33 13-1063 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	152.14	36.96
For Elevated Installation >10' To 15', Add	7.39	
For Elevated Installation >15' To 20', Add	14.78	
For Elevated Installation >20' To 25', Add	18.48	
For Elevated Installation >25' To 30', Add	25.87	
For Elevated Installation >30' To 35', Add	29.57	
For Elevated Installation >35' To 40', Add	36.96	
For Elevated Installation >40', Add	40.66	
For Work In Restricted Working Space, Add	22.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.18	
26 05 33 13-1064 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	168.82	42.35
For Elevated Installation >10' To 15', Add	8.47	
For Elevated Installation >15' To 20', Add	16.94	
For Elevated Installation >20' To 25', Add	21.18	
For Elevated Installation >25' To 30', Add	29.65	
For Elevated Installation >30' To 35', Add	33.88	
For Elevated Installation >35' To 40', Add	42.35	
For Elevated Installation >40', Add	46.59	
For Work In Restricted Working Space, Add	25.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-1065 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	196.95	48.51
For Elevated Installation >10' To 15', Add	9.70	
For Elevated Installation >15' To 20', Add	19.40	
For Elevated Installation >20' To 25', Add	24.26	
For Elevated Installation >25' To 30', Add	33.96	
For Elevated Installation >30' To 35', Add	38.81	
For Elevated Installation >35' To 40', Add	48.51	
For Elevated Installation >40', Add	53.36	
For Work In Restricted Working Space, Add	29.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.11	
26 05 33 13-1066 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	233.45	56.21
For Elevated Installation >10' To 15', Add	11.24	
For Elevated Installation >15' To 20', Add	22.48	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.35	
For Elevated Installation >30' To 35', Add	44.97	
For Elevated Installation >35' To 40', Add	56.21	
For Elevated Installation >40', Add	61.83	
For Work In Restricted Working Space, Add	33.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.73	
26 05 33 13-1067 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	288.64	61.60
For Elevated Installation >10' To 15', Add	12.32	
For Elevated Installation >15' To 20', Add	24.64	
For Elevated Installation >20' To 25', Add	30.80	
For Elevated Installation >25' To 30', Add	43.12	
For Elevated Installation >30' To 35', Add	49.28	
For Elevated Installation >35' To 40', Add	61.60	
For Elevated Installation >40', Add	67.76	
For Work In Restricted Working Space, Add	36.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.96	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
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26 05 33 13-1068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	349.63	73.92
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.57	
		For Elevated Installation >20' To 25', Add	36.96	
		For Elevated Installation >25' To 30', Add	51.74	
		For Elevated Installation >30' To 35', Add	59.14	
		For Elevated Installation >35' To 40', Add	73.92	
		For Elevated Installation >40', Add	81.31	
		For Work In Restricted Working Space, Add	44.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.35	
26 05 33 13-1069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	505.61	103.95
		For Elevated Installation >10' To 15', Add	20.79	
		For Elevated Installation >15' To 20', Add	41.58	
		For Elevated Installation >20' To 25', Add	51.98	
		For Elevated Installation >25' To 30', Add	72.77	
		For Elevated Installation >30' To 35', Add	83.16	
		For Elevated Installation >35' To 40', Add	103.95	
		For Elevated Installation >40', Add	114.35	
		For Work In Restricted Working Space, Add	62.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.37	
26 05 33 13-1070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	649.55	138.60
		For Elevated Installation >10' To 15', Add	27.72	
		For Elevated Installation >15' To 20', Add	55.44	
		For Elevated Installation >20' To 25', Add	69.30	
		For Elevated Installation >25' To 30', Add	97.02	
		For Elevated Installation >30' To 35', Add	110.88	
		For Elevated Installation >35' To 40', Add	138.60	
		For Elevated Installation >40', Add	152.46	
		For Work In Restricted Working Space, Add	83.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.16	
26 05 33 13-1071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,275.34	173.25
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
		For Work In Restricted Working Space, Add	103.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.95	
26 05 33 13-1072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,857.75	210.98
		For Elevated Installation >10' To 15', Add	42.20	
		For Elevated Installation >15' To 20', Add	84.39	
		For Elevated Installation >20' To 25', Add	105.49	
		For Elevated Installation >25' To 30', Add	147.69	
		For Elevated Installation >30' To 35', Add	168.78	
		For Elevated Installation >35' To 40', Add	210.98	
		For Elevated Installation >40', Add	232.08	
		For Work In Restricted Working Space, Add	126.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.59	

26 05 33 13-1073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies (26 05 33 13-0848)

26 05 33 13-1074	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	253.95	36.96
		For Elevated Installation >10' To 15', Add	7.39	
		For Elevated Installation >15' To 20', Add	14.78	
		For Elevated Installation >20' To 25', Add	18.48	
		For Elevated Installation >25' To 30', Add	25.87	
		For Elevated Installation >30' To 35', Add	29.57	
		For Elevated Installation >35' To 40', Add	36.96	
		For Elevated Installation >40', Add	40.66	
		For Work In Restricted Working Space, Add	22.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.18	
26 05 33 13-1075	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	274.09	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-1076	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	313.02	48.51
		For Elevated Installation >10' To 15', Add	9.70	
		For Elevated Installation >15' To 20', Add	19.40	
		For Elevated Installation >20' To 25', Add	24.26	
		For Elevated Installation >25' To 30', Add	33.96	
		For Elevated Installation >30' To 35', Add	38.81	
		For Elevated Installation >35' To 40', Add	48.51	
		For Elevated Installation >40', Add	53.36	
		For Work In Restricted Working Space, Add	29.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1077 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit		
Body	350.85	56.21
For Elevated Installation >10' To 15', Add	11.24	
For Elevated Installation >15' To 20', Add	22.48	
For Elevated Installation >20' To 25', Add	28.11	
For Elevated Installation >25' To 30', Add	39.35	
For Elevated Installation >30' To 35', Add	44.97	
For Elevated Installation >35' To 40', Add	56.21	
For Elevated Installation >40', Add	61.83	
For Work In Restricted Working Space, Add	33.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.73	
26 05 33 13-1078 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit		
Body	423.78	61.60
For Elevated Installation >10' To 15', Add	12.32	
For Elevated Installation >15' To 20', Add	24.64	
For Elevated Installation >20' To 25', Add	30.80	
For Elevated Installation >25' To 30', Add	43.12	
For Elevated Installation >30' To 35', Add	49.28	
For Elevated Installation >35' To 40', Add	61.60	
For Elevated Installation >40', Add	67.76	
For Work In Restricted Working Space, Add	36.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.96	
26 05 33 13-1079 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	478.19	73.92
For Elevated Installation >10' To 15', Add	14.78	
For Elevated Installation >15' To 20', Add	29.57	
For Elevated Installation >20' To 25', Add	36.96	
For Elevated Installation >25' To 30', Add	51.74	
For Elevated Installation >30' To 35', Add	59.14	
For Elevated Installation >35' To 40', Add	73.92	
For Elevated Installation >40', Add	81.31	
For Work In Restricted Working Space, Add	44.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.35	
26 05 33 13-1080 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit		
Body	672.75	103.95
For Elevated Installation >10' To 15', Add	20.79	
For Elevated Installation >15' To 20', Add	41.58	
For Elevated Installation >20' To 25', Add	51.98	
For Elevated Installation >25' To 30', Add	72.77	
For Elevated Installation >30' To 35', Add	83.16	
For Elevated Installation >35' To 40', Add	103.95	
For Elevated Installation >40', Add	114.35	
For Work In Restricted Working Space, Add	62.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.37	
26 05 33 13-1081 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	935.79	138.60
For Elevated Installation >10' To 15', Add	27.72	
For Elevated Installation >15' To 20', Add	55.44	
For Elevated Installation >20' To 25', Add	69.30	
For Elevated Installation >25' To 30', Add	97.02	
For Elevated Installation >30' To 35', Add	110.88	
For Elevated Installation >35' To 40', Add	138.60	
For Elevated Installation >40', Add	152.46	
For Work In Restricted Working Space, Add	83.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.16	
26 05 33 13-1082 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit		
Body	1,358.47	173.25
For Elevated Installation >10' To 15', Add	34.65	
For Elevated Installation >15' To 20', Add	69.30	
For Elevated Installation >20' To 25', Add	86.63	
For Elevated Installation >25' To 30', Add	121.28	
For Elevated Installation >30' To 35', Add	138.60	
For Elevated Installation >35' To 40', Add	173.25	
For Elevated Installation >40', Add	190.58	
For Work In Restricted Working Space, Add	103.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.95	
26 05 33 13-1083 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,966.53	210.98
For Elevated Installation >10' To 15', Add	42.20	
For Elevated Installation >15' To 20', Add	84.39	
For Elevated Installation >20' To 25', Add	105.49	
For Elevated Installation >25' To 30', Add	147.69	
For Elevated Installation >30' To 35', Add	168.78	
For Elevated Installation >35' To 40', Add	210.98	
For Elevated Installation >40', Add	232.08	
For Work In Restricted Working Space, Add	126.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.59	
26 05 33 13-1084 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies (26 05 33 13-0848)		
26 05 33 13-1085 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	204.94	36.96
For Elevated Installation >10' To 15', Add	7.39	
For Elevated Installation >15' To 20', Add	14.78	
For Elevated Installation >20' To 25', Add	18.48	
For Elevated Installation >25' To 30', Add	25.87	
For Elevated Installation >30' To 35', Add	29.57	
For Elevated Installation >35' To 40', Add	36.96	
For Elevated Installation >40', Add	40.66	
For Work In Restricted Working Space, Add	22.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.18	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1086	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	219.20	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-1087	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	251.81	48.51
		For Elevated Installation >10' To 15', Add	9.70	
		For Elevated Installation >15' To 20', Add	19.40	
		For Elevated Installation >20' To 25', Add	24.26	
		For Elevated Installation >25' To 30', Add	33.96	
		For Elevated Installation >30' To 35', Add	38.81	
		For Elevated Installation >35' To 40', Add	48.51	
		For Elevated Installation >40', Add	53.36	
		For Work In Restricted Working Space, Add	29.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.11	
26 05 33 13-1088	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	281.42	56.21
		For Elevated Installation >10' To 15', Add	11.24	
		For Elevated Installation >15' To 20', Add	22.48	
		For Elevated Installation >20' To 25', Add	28.11	
		For Elevated Installation >25' To 30', Add	39.35	
		For Elevated Installation >30' To 35', Add	44.97	
		For Elevated Installation >35' To 40', Add	56.21	
		For Elevated Installation >40', Add	61.83	
		For Work In Restricted Working Space, Add	33.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.73	
26 05 33 13-1089	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	383.36	61.60
		For Elevated Installation >10' To 15', Add	12.32	
		For Elevated Installation >15' To 20', Add	24.64	
		For Elevated Installation >20' To 25', Add	30.80	
		For Elevated Installation >25' To 30', Add	43.12	
		For Elevated Installation >30' To 35', Add	49.28	
		For Elevated Installation >35' To 40', Add	61.60	
		For Elevated Installation >40', Add	67.76	
		For Work In Restricted Working Space, Add	36.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.96	
26 05 33 13-1090	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	480.63	73.92
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.57	
		For Elevated Installation >20' To 25', Add	36.96	
		For Elevated Installation >25' To 30', Add	51.74	
		For Elevated Installation >30' To 35', Add	59.14	
		For Elevated Installation >35' To 40', Add	73.92	
		For Elevated Installation >40', Add	81.31	
		For Work In Restricted Working Space, Add	44.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.35	
26 05 33 13-1091	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	743.83	103.95
		For Elevated Installation >10' To 15', Add	20.79	
		For Elevated Installation >15' To 20', Add	41.58	
		For Elevated Installation >20' To 25', Add	51.98	
		For Elevated Installation >25' To 30', Add	72.77	
		For Elevated Installation >30' To 35', Add	83.16	
		For Elevated Installation >35' To 40', Add	103.95	
		For Elevated Installation >40', Add	114.35	
		For Work In Restricted Working Space, Add	62.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.37	
26 05 33 13-1092	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,080.41	138.60
		For Elevated Installation >10' To 15', Add	27.72	
		For Elevated Installation >15' To 20', Add	55.44	
		For Elevated Installation >20' To 25', Add	69.30	
		For Elevated Installation >25' To 30', Add	97.02	
		For Elevated Installation >30' To 35', Add	110.88	
		For Elevated Installation >35' To 40', Add	138.60	
		For Elevated Installation >40', Add	152.46	
		For Work In Restricted Working Space, Add	83.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.16	
26 05 33 13-1093	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,358.47	173.25
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
		For Work In Restricted Working Space, Add	103.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.95	

 26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel
 (RGS) ESD Sealing Conduit Bodies (26 05 33 13-0848)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1095	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	268.34	36.96
		For Elevated Installation >10' To 15', Add	7.39	
		For Elevated Installation >15' To 20', Add	14.78	
		For Elevated Installation >20' To 25', Add	18.48	
		For Elevated Installation >25' To 30', Add	25.87	
		For Elevated Installation >30' To 35', Add	29.57	
		For Elevated Installation >35' To 40', Add	36.96	
		For Elevated Installation >40', Add	40.66	
		For Work In Restricted Working Space, Add	22.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.18	
26 05 33 13-1096	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	298.09	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-1097	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	368.54	48.51
		For Elevated Installation >10' To 15', Add	9.70	
		For Elevated Installation >15' To 20', Add	19.40	
		For Elevated Installation >20' To 25', Add	24.26	
		For Elevated Installation >25' To 30', Add	33.96	
		For Elevated Installation >30' To 35', Add	38.81	
		For Elevated Installation >35' To 40', Add	48.51	
		For Elevated Installation >40', Add	53.36	
		For Work In Restricted Working Space, Add	29.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.11	
26 05 33 13-1098	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	453.52	56.21
		For Elevated Installation >10' To 15', Add	11.24	
		For Elevated Installation >15' To 20', Add	22.48	
		For Elevated Installation >20' To 25', Add	28.11	
		For Elevated Installation >25' To 30', Add	39.35	
		For Elevated Installation >30' To 35', Add	44.97	
		For Elevated Installation >35' To 40', Add	56.21	
		For Elevated Installation >40', Add	61.83	
		For Work In Restricted Working Space, Add	33.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.73	
26 05 33 13-1099	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	626.52	61.60
		For Elevated Installation >10' To 15', Add	12.32	
		For Elevated Installation >15' To 20', Add	24.64	
		For Elevated Installation >20' To 25', Add	30.80	
		For Elevated Installation >25' To 30', Add	43.12	
		For Elevated Installation >30' To 35', Add	49.28	
		For Elevated Installation >35' To 40', Add	61.60	
		For Elevated Installation >40', Add	67.76	
		For Work In Restricted Working Space, Add	36.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.96	
26 05 33 13-1100	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	750.88	73.92
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.57	
		For Elevated Installation >20' To 25', Add	36.96	
		For Elevated Installation >25' To 30', Add	51.74	
		For Elevated Installation >30' To 35', Add	59.14	
		For Elevated Installation >35' To 40', Add	73.92	
		For Elevated Installation >40', Add	81.31	
		For Work In Restricted Working Space, Add	44.35	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.35	
26 05 33 13-1101 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings (26 05 33 13-0848)				
26 05 33 13-1102	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	53.43	14.81
		For Elevated Installation >10' To 15', Add	2.96	
		For Elevated Installation >15' To 20', Add	5.92	
		For Elevated Installation >20' To 25', Add	7.40	
		For Elevated Installation >25' To 30', Add	10.36	
		For Elevated Installation >30' To 35', Add	11.84	
		For Elevated Installation >35' To 40', Add	14.81	
		For Elevated Installation >40', Add	16.29	
		For Work In Restricted Working Space, Add	8.88	
26 05 33 13-1103	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	70.43	17.77
		For Elevated Installation >10' To 15', Add	3.55	
		For Elevated Installation >15' To 20', Add	7.11	
		For Elevated Installation >20' To 25', Add	8.88	
		For Elevated Installation >25' To 30', Add	12.44	
		For Elevated Installation >30' To 35', Add	14.21	
		For Elevated Installation >35' To 40', Add	17.77	
		For Elevated Installation >40', Add	19.54	
		For Work In Restricted Working Space, Add	10.66	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1104	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	89.76	23.70
		For Elevated Installation >10' To 15', Add	4.74	
		For Elevated Installation >15' To 20', Add	9.48	
		For Elevated Installation >20' To 25', Add	11.85	
		For Elevated Installation >25' To 30', Add	16.58	
		For Elevated Installation >30' To 35', Add	18.95	
		For Elevated Installation >35' To 40', Add	23.69	
		For Elevated Installation >40', Add	26.06	
		For Work In Restricted Working Space, Add	14.21	
26 05 33 13-1105	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	122.83	29.61
		For Elevated Installation >10' To 15', Add	5.92	
		For Elevated Installation >15' To 20', Add	11.85	
		For Elevated Installation >20' To 25', Add	14.81	
		For Elevated Installation >25' To 30', Add	20.73	
		For Elevated Installation >30' To 35', Add	23.69	
		For Elevated Installation >35' To 40', Add	29.62	
		For Elevated Installation >40', Add	32.58	
		For Work In Restricted Working Space, Add	17.77	
26 05 33 13-1106	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	160.44	35.53
		For Elevated Installation >10' To 15', Add	7.11	
		For Elevated Installation >15' To 20', Add	14.22	
		For Elevated Installation >20' To 25', Add	17.77	
		For Elevated Installation >25' To 30', Add	24.88	
		For Elevated Installation >30' To 35', Add	28.43	
		For Elevated Installation >35' To 40', Add	35.54	
		For Elevated Installation >40', Add	39.09	
		For Work In Restricted Working Space, Add	21.32	
26 05 33 13-1107	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	271.86	41.46
		For Elevated Installation >10' To 15', Add	8.29	
		For Elevated Installation >15' To 20', Add	16.59	
		For Elevated Installation >20' To 25', Add	20.73	
		For Elevated Installation >25' To 30', Add	29.03	
		For Elevated Installation >30' To 35', Add	33.17	
		For Elevated Installation >35' To 40', Add	41.47	
		For Elevated Installation >40', Add	45.61	
		For Work In Restricted Working Space, Add	24.88	
26 05 33 13-1108	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	392.21	47.38
		For Elevated Installation >10' To 15', Add	9.48	
		For Elevated Installation >15' To 20', Add	18.95	
		For Elevated Installation >20' To 25', Add	23.69	
		For Elevated Installation >25' To 30', Add	33.17	
		For Elevated Installation >30' To 35', Add	37.90	
		For Elevated Installation >35' To 40', Add	47.38	
		For Elevated Installation >40', Add	52.12	
		For Work In Restricted Working Space, Add	28.43	
26 05 33 13-1109	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	488.06	53.31
		For Elevated Installation >10' To 15', Add	10.66	
		For Elevated Installation >15' To 20', Add	21.32	
		For Elevated Installation >20' To 25', Add	26.65	
		For Elevated Installation >25' To 30', Add	37.31	
		For Elevated Installation >30' To 35', Add	42.64	
		For Elevated Installation >35' To 40', Add	53.31	
		For Elevated Installation >40', Add	58.64	
		For Work In Restricted Working Space, Add	31.98	
26 05 33 13-1110	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	676.72	62.19
		For Elevated Installation >10' To 15', Add	12.44	
		For Elevated Installation >15' To 20', Add	24.88	
		For Elevated Installation >20' To 25', Add	31.10	
		For Elevated Installation >25' To 30', Add	43.54	
		For Elevated Installation >30' To 35', Add	49.76	
		For Elevated Installation >35' To 40', Add	62.20	
		For Elevated Installation >40', Add	68.41	
		For Work In Restricted Working Space, Add	37.32	
26 05 33 13-1111	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	820.68	71.08
		For Elevated Installation >10' To 15', Add	14.22	
		For Elevated Installation >15' To 20', Add	28.43	
		For Elevated Installation >20' To 25', Add	35.54	
		For Elevated Installation >25' To 30', Add	49.76	
		For Elevated Installation >30' To 35', Add	56.86	
		For Elevated Installation >35' To 40', Add	71.08	
		For Elevated Installation >40', Add	78.19	
		For Work In Restricted Working Space, Add	42.65	
26 05 33 13-1112	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,313.23	112.54
		For Elevated Installation >10' To 15', Add	22.51	
		For Elevated Installation >15' To 20', Add	45.01	
		For Elevated Installation >20' To 25', Add	56.27	
		For Elevated Installation >25' To 30', Add	78.77	
		For Elevated Installation >30' To 35', Add	90.03	
		For Elevated Installation >35' To 40', Add	112.54	
		For Elevated Installation >40', Add	123.79	
		For Work In Restricted Working Space, Add	67.52	
26 05 33 13-1113	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,799.11	171.77
		For Elevated Installation >10' To 15', Add	34.35	
		For Elevated Installation >15' To 20', Add	68.71	
		For Elevated Installation >20' To 25', Add	85.89	
		For Elevated Installation >25' To 30', Add	120.24	
		For Elevated Installation >30' To 35', Add	137.42	
		For Elevated Installation >35' To 40', Add	171.77	
		For Elevated Installation >40', Add	188.95	
		For Work In Restricted Working Space, Add	103.06	

26 05 33 13-1114	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows (26 05 33 13-0848)		
26 05 33 13-1115	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	193.76	36.96
	For Elevated Installation >10' To 15', Add	7.39	
	For Elevated Installation >15' To 20', Add	14.78	
	For Elevated Installation >20' To 25', Add	18.48	
	For Elevated Installation >25' To 30', Add	25.87	
	For Elevated Installation >30' To 35', Add	29.57	
	For Elevated Installation >35' To 40', Add	36.96	
	For Elevated Installation >40', Add	40.66	
	For Work In Restricted Working Space, Add	22.18	
26 05 33 13-1116	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	228.43	40.81
	For Elevated Installation >10' To 15', Add	8.16	
	For Elevated Installation >15' To 20', Add	16.32	
	For Elevated Installation >20' To 25', Add	20.41	
	For Elevated Installation >25' To 30', Add	28.57	
	For Elevated Installation >30' To 35', Add	32.65	
	For Elevated Installation >35' To 40', Add	40.81	
	For Elevated Installation >40', Add	44.89	
	For Work In Restricted Working Space, Add	24.49	
26 05 33 13-1117	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	252.83	48.51
	For Elevated Installation >10' To 15', Add	9.70	
	For Elevated Installation >15' To 20', Add	19.40	
	For Elevated Installation >20' To 25', Add	24.26	
	For Elevated Installation >25' To 30', Add	33.96	
	For Elevated Installation >30' To 35', Add	38.81	
	For Elevated Installation >35' To 40', Add	48.51	
	For Elevated Installation >40', Add	53.36	
	For Work In Restricted Working Space, Add	29.11	
26 05 33 13-1118	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	360.35	56.21
	For Elevated Installation >10' To 15', Add	11.24	
	For Elevated Installation >15' To 20', Add	22.48	
	For Elevated Installation >20' To 25', Add	28.11	
	For Elevated Installation >25' To 30', Add	39.35	
	For Elevated Installation >30' To 35', Add	44.97	
	For Elevated Installation >35' To 40', Add	56.21	
	For Elevated Installation >40', Add	61.83	
	For Work In Restricted Working Space, Add	33.73	
26 05 33 13-1119	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	472.56	61.60
	For Elevated Installation >10' To 15', Add	12.32	
	For Elevated Installation >15' To 20', Add	24.64	
	For Elevated Installation >20' To 25', Add	30.80	
	For Elevated Installation >25' To 30', Add	43.12	
	For Elevated Installation >30' To 35', Add	49.28	
	For Elevated Installation >35' To 40', Add	61.60	
	For Elevated Installation >40', Add	67.76	
	For Work In Restricted Working Space, Add	36.96	
26 05 33 13-1120	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	511.72	73.92
	For Elevated Installation >10' To 15', Add	14.78	
	For Elevated Installation >15' To 20', Add	29.57	
	For Elevated Installation >20' To 25', Add	36.96	
	For Elevated Installation >25' To 30', Add	51.74	
	For Elevated Installation >30' To 35', Add	59.14	
	For Elevated Installation >35' To 40', Add	73.92	
	For Elevated Installation >40', Add	81.31	
	For Work In Restricted Working Space, Add	44.35	
26 05 33 13-1121	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,192.75	102.41
	For Elevated Installation >10' To 15', Add	20.48	
	For Elevated Installation >15' To 20', Add	40.97	
	For Elevated Installation >20' To 25', Add	51.21	
	For Elevated Installation >25' To 30', Add	71.69	
	For Elevated Installation >30' To 35', Add	81.93	
	For Elevated Installation >35' To 40', Add	102.42	
	For Elevated Installation >40', Add	112.66	
	For Work In Restricted Working Space, Add	61.45	
26 05 33 13-1122	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,265.36	138.60
	For Elevated Installation >10' To 15', Add	27.72	
	For Elevated Installation >15' To 20', Add	55.44	
	For Elevated Installation >20' To 25', Add	69.30	
	For Elevated Installation >25' To 30', Add	97.02	
	For Elevated Installation >30' To 35', Add	110.88	
	For Elevated Installation >35' To 40', Add	138.61	
	For Elevated Installation >40', Add	152.47	
	For Work In Restricted Working Space, Add	83.16	
26 05 33 13-1123	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	2,058.15	173.25
	For Elevated Installation >10' To 15', Add	34.65	
	For Elevated Installation >15' To 20', Add	69.30	
	For Elevated Installation >20' To 25', Add	86.63	
	For Elevated Installation >25' To 30', Add	121.28	
	For Elevated Installation >30' To 35', Add	138.60	
	For Elevated Installation >35' To 40', Add	173.26	
	For Elevated Installation >40', Add	190.58	
	For Work In Restricted Working Space, Add	103.95	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1124	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	2,150.23	210.98
		For Elevated Installation >10' To 15', Add	42.20	
		For Elevated Installation >15' To 20', Add	84.40	
		For Elevated Installation >20' To 25', Add	105.50	
		For Elevated Installation >25' To 30', Add	147.70	
		For Elevated Installation >30' To 35', Add	168.80	
		For Elevated Installation >35' To 40', Add	211.00	
		For Elevated Installation >40', Add	232.09	
		For Work In Restricted Working Space, Add	126.60	

26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows

(26 05 33 13-0848)

26 05 33 13-1126	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	279.04	36.96
		For Elevated Installation >10' To 15', Add	7.39	
		For Elevated Installation >15' To 20', Add	14.78	
		For Elevated Installation >20' To 25', Add	18.48	
		For Elevated Installation >25' To 30', Add	25.87	
		For Elevated Installation >30' To 35', Add	29.57	
		For Elevated Installation >35' To 40', Add	36.96	
		For Elevated Installation >40', Add	40.66	
		For Work In Restricted Working Space, Add	22.18	
26 05 33 13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	317.94	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	619.73	48.51
		For Elevated Installation >10' To 15', Add	9.70	
		For Elevated Installation >15' To 20', Add	19.40	
		For Elevated Installation >20' To 25', Add	24.26	
		For Elevated Installation >25' To 30', Add	33.96	
		For Elevated Installation >30' To 35', Add	38.81	
		For Elevated Installation >35' To 40', Add	48.51	
		For Elevated Installation >40', Add	53.36	
		For Work In Restricted Working Space, Add	29.11	
26 05 33 13-1129	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	651.27	56.21
		For Elevated Installation >10' To 15', Add	11.24	
		For Elevated Installation >15' To 20', Add	22.48	
		For Elevated Installation >20' To 25', Add	28.11	
		For Elevated Installation >25' To 30', Add	39.35	
		For Elevated Installation >30' To 35', Add	44.97	
		For Elevated Installation >35' To 40', Add	56.21	
		For Elevated Installation >40', Add	61.83	
		For Work In Restricted Working Space, Add	33.73	
26 05 33 13-1130	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	886.98	61.60
		For Elevated Installation >10' To 15', Add	12.32	
		For Elevated Installation >15' To 20', Add	24.64	
		For Elevated Installation >20' To 25', Add	30.80	
		For Elevated Installation >25' To 30', Add	43.12	
		For Elevated Installation >30' To 35', Add	49.28	
		For Elevated Installation >35' To 40', Add	61.60	
		For Elevated Installation >40', Add	67.76	
		For Work In Restricted Working Space, Add	36.96	
26 05 33 13-1131	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	947.85	73.92
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.57	
		For Elevated Installation >20' To 25', Add	36.96	
		For Elevated Installation >25' To 30', Add	51.74	
		For Elevated Installation >30' To 35', Add	59.14	
		For Elevated Installation >35' To 40', Add	73.92	
		For Elevated Installation >40', Add	81.31	
		For Work In Restricted Working Space, Add	44.35	
26 05 33 13-1132	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,814.29	103.95
		For Elevated Installation >10' To 15', Add	20.79	
		For Elevated Installation >15' To 20', Add	41.58	
		For Elevated Installation >20' To 25', Add	51.98	
		For Elevated Installation >25' To 30', Add	72.77	
		For Elevated Installation >30' To 35', Add	83.16	
		For Elevated Installation >35' To 40', Add	103.95	
		For Elevated Installation >40', Add	114.35	
		For Work In Restricted Working Space, Add	62.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1133	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,915.35	138.60
			For Elevated Installation >10' To 15', Add	27.72	
			For Elevated Installation >15' To 20', Add	55.44	
			For Elevated Installation >20' To 25', Add	69.30	
			For Elevated Installation >25' To 30', Add	97.02	
			For Elevated Installation >30' To 35', Add	110.88	
			For Elevated Installation >35' To 40', Add	138.60	
			For Elevated Installation >40', Add	152.46	
			For Work In Restricted Working Space, Add	83.16	
26 05 33 13-1134	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,799.57	173.25
			For Elevated Installation >10' To 15', Add	34.65	
			For Elevated Installation >15' To 20', Add	69.30	
			For Elevated Installation >20' To 25', Add	86.63	
			For Elevated Installation >25' To 30', Add	121.28	
			For Elevated Installation >30' To 35', Add	138.60	
			For Elevated Installation >35' To 40', Add	173.25	
			For Elevated Installation >40', Add	190.58	
			For Work In Restricted Working Space, Add	103.95	
26 05 33 13-1135	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	3,173.23	210.98
			For Elevated Installation >10' To 15', Add	42.20	
			For Elevated Installation >15' To 20', Add	84.39	
			For Elevated Installation >20' To 25', Add	105.49	
			For Elevated Installation >25' To 30', Add	147.69	
			For Elevated Installation >30' To 35', Add	168.78	
			For Elevated Installation >35' To 40', Add	210.98	
			For Elevated Installation >40', Add	232.08	
			For Work In Restricted Working Space, Add	126.59	
26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows (26 05 33 13-0848)					
26 05 33 13-1137	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	108.13	19.25
			For Elevated Installation >10' To 15', Add	3.85	
			For Elevated Installation >15' To 20', Add	7.70	
			For Elevated Installation >20' To 25', Add	9.63	
			For Elevated Installation >25' To 30', Add	13.48	
			For Elevated Installation >30' To 35', Add	15.40	
			For Elevated Installation >35' To 40', Add	19.25	
			For Elevated Installation >40', Add	21.18	
			For Work In Restricted Working Space, Add	11.55	
26 05 33 13-1138	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	126.14	23.87
			For Elevated Installation >10' To 15', Add	4.77	
			For Elevated Installation >15' To 20', Add	9.55	
			For Elevated Installation >20' To 25', Add	11.94	
			For Elevated Installation >25' To 30', Add	16.71	
			For Elevated Installation >30' To 35', Add	19.10	
			For Elevated Installation >35' To 40', Add	23.87	
			For Elevated Installation >40', Add	26.26	
			For Work In Restricted Working Space, Add	14.32	
26 05 33 13-1139	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	150.44	29.26
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.70	
			For Elevated Installation >20' To 25', Add	14.63	
			For Elevated Installation >25' To 30', Add	20.48	
			For Elevated Installation >30' To 35', Add	23.41	
			For Elevated Installation >35' To 40', Add	29.26	
			For Elevated Installation >40', Add	32.19	
			For Work In Restricted Working Space, Add	17.56	
26 05 33 13-1140	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	177.45	33.88
			For Elevated Installation >10' To 15', Add	6.78	
			For Elevated Installation >15' To 20', Add	13.55	
			For Elevated Installation >20' To 25', Add	16.94	
			For Elevated Installation >25' To 30', Add	23.72	
			For Elevated Installation >30' To 35', Add	27.10	
			For Elevated Installation >35' To 40', Add	33.88	
			For Elevated Installation >40', Add	37.27	
			For Work In Restricted Working Space, Add	20.33	
26 05 33 13-1141 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows (26 05 33 13-0848)					
26 05 33 13-1142	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	85.91	19.25
			For Elevated Installation >10' To 15', Add	3.85	
			For Elevated Installation >15' To 20', Add	7.70	
			For Elevated Installation >20' To 25', Add	9.63	
			For Elevated Installation >25' To 30', Add	13.48	
			For Elevated Installation >30' To 35', Add	15.40	
			For Elevated Installation >35' To 40', Add	19.25	
			For Elevated Installation >40', Add	21.18	
			For Work In Restricted Working Space, Add	11.55	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1143	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	99.47	23.87
		For Elevated Installation >10' To 15', Add	4.77	
		For Elevated Installation >15' To 20', Add	9.55	
		For Elevated Installation >20' To 25', Add	11.94	
		For Elevated Installation >25' To 30', Add	16.71	
		For Elevated Installation >30' To 35', Add	19.10	
		For Elevated Installation >35' To 40', Add	23.87	
		For Elevated Installation >40', Add	26.26	
		For Work In Restricted Working Space, Add	14.32	
26 05 33 13-1144	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	137.45	29.26
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
		For Work In Restricted Working Space, Add	17.56	
26 05 33 13-1145	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	177.55	33.88
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
		For Work In Restricted Working Space, Add	20.33	
26 05 33 13-1146	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	215.85	38.50
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
		For Work In Restricted Working Space, Add	23.10	
26 05 33 13-1147	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	307.95	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1148	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	419.96	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	

26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows

(26 05 33 13-0848)

26 05 33 13-1150	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	108.18	19.25
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Work In Restricted Working Space, Add	11.55	
26 05 33 13-1151	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	129.22	23.87
		For Elevated Installation >10' To 15', Add	4.77	
		For Elevated Installation >15' To 20', Add	9.55	
		For Elevated Installation >20' To 25', Add	11.94	
		For Elevated Installation >25' To 30', Add	16.71	
		For Elevated Installation >30' To 35', Add	19.10	
		For Elevated Installation >35' To 40', Add	23.87	
		For Elevated Installation >40', Add	26.26	
		For Work In Restricted Working Space, Add	14.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1152	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	150.47	29.26
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.70	
			For Elevated Installation >20' To 25', Add	14.63	
			For Elevated Installation >25' To 30', Add	20.48	
			For Elevated Installation >30' To 35', Add	23.41	
			For Elevated Installation >35' To 40', Add	29.26	
			For Elevated Installation >40', Add	32.19	
			For Work In Restricted Working Space, Add	17.56	
26 05 33 13-1153	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	177.50	33.88
			For Elevated Installation >10' To 15', Add	6.78	
			For Elevated Installation >15' To 20', Add	13.55	
			For Elevated Installation >20' To 25', Add	16.94	
			For Elevated Installation >25' To 30', Add	23.72	
			For Elevated Installation >30' To 35', Add	27.10	
			For Elevated Installation >35' To 40', Add	33.88	
			For Elevated Installation >40', Add	37.27	
			For Work In Restricted Working Space, Add	20.33	
26 05 33 13-1154 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows (26 05 33 13-0848)					
26 05 33 13-1155	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	85.99	19.25
			For Elevated Installation >10' To 15', Add	3.85	
			For Elevated Installation >15' To 20', Add	7.70	
			For Elevated Installation >20' To 25', Add	9.63	
			For Elevated Installation >25' To 30', Add	13.48	
			For Elevated Installation >30' To 35', Add	15.40	
			For Elevated Installation >35' To 40', Add	19.25	
			For Elevated Installation >40', Add	21.18	
			For Work In Restricted Working Space, Add	11.55	
26 05 33 13-1156	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	99.47	23.87
			For Elevated Installation >10' To 15', Add	4.77	
			For Elevated Installation >15' To 20', Add	9.55	
			For Elevated Installation >20' To 25', Add	11.94	
			For Elevated Installation >25' To 30', Add	16.71	
			For Elevated Installation >30' To 35', Add	19.10	
			For Elevated Installation >35' To 40', Add	23.87	
			For Elevated Installation >40', Add	26.26	
			For Work In Restricted Working Space, Add	14.32	
26 05 33 13-1157	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	128.25	29.26
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.70	
			For Elevated Installation >20' To 25', Add	14.63	
			For Elevated Installation >25' To 30', Add	20.48	
			For Elevated Installation >30' To 35', Add	23.41	
			For Elevated Installation >35' To 40', Add	29.26	
			For Elevated Installation >40', Add	32.19	
			For Work In Restricted Working Space, Add	17.56	
26 05 33 13-1158	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	159.68	33.88
			For Elevated Installation >10' To 15', Add	6.78	
			For Elevated Installation >15' To 20', Add	13.55	
			For Elevated Installation >20' To 25', Add	16.94	
			For Elevated Installation >25' To 30', Add	23.72	
			For Elevated Installation >30' To 35', Add	27.10	
			For Elevated Installation >35' To 40', Add	33.88	
			For Elevated Installation >40', Add	37.27	
			For Work In Restricted Working Space, Add	20.33	
26 05 33 13-1159	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	186.74	38.50
			For Elevated Installation >10' To 15', Add	7.70	
			For Elevated Installation >15' To 20', Add	15.40	
			For Elevated Installation >20' To 25', Add	19.25	
			For Elevated Installation >25' To 30', Add	26.95	
			For Elevated Installation >30' To 35', Add	30.80	
			For Elevated Installation >35' To 40', Add	38.50	
			For Elevated Installation >40', Add	42.35	
			For Work In Restricted Working Space, Add	23.10	
26 05 33 13-1160	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	214.73	42.35
			For Elevated Installation >10' To 15', Add	8.47	
			For Elevated Installation >15' To 20', Add	16.94	
			For Elevated Installation >20' To 25', Add	21.18	
			For Elevated Installation >25' To 30', Add	29.65	
			For Elevated Installation >30' To 35', Add	33.88	
			For Elevated Installation >35' To 40', Add	42.35	
			For Elevated Installation >40', Add	46.59	
			For Work In Restricted Working Space, Add	25.41	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1161	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	396.19	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
26 05 33 13-1162	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	456.22	72.38
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
		For Work In Restricted Working Space, Add	43.43	
26 05 33 13-1163	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	492.88	81.62
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
		For Work In Restricted Working Space, Add	48.97	
26 05 33 13-1164	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	609.11	106.26
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	
		For Work In Restricted Working Space, Add	63.75	

26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows
(26 05 33 13-0848)

26 05 33 13-1166	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	179.37	36.96
		For Elevated Installation >10' To 15', Add	7.39	
		For Elevated Installation >15' To 20', Add	14.78	
		For Elevated Installation >20' To 25', Add	18.48	
		For Elevated Installation >25' To 30', Add	25.87	
		For Elevated Installation >30' To 35', Add	29.57	
		For Elevated Installation >35' To 40', Add	36.96	
		For Elevated Installation >40', Add	40.66	
		For Work In Restricted Working Space, Add	22.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.18	
26 05 33 13-1167	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	194.29	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.41	
26 05 33 13-1168	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	213.09	48.51
		For Elevated Installation >10' To 15', Add	9.70	
		For Elevated Installation >15' To 20', Add	19.40	
		For Elevated Installation >20' To 25', Add	24.26	
		For Elevated Installation >25' To 30', Add	33.96	
		For Elevated Installation >30' To 35', Add	38.81	
		For Elevated Installation >35' To 40', Add	48.51	
		For Elevated Installation >40', Add	53.36	
		For Work In Restricted Working Space, Add	29.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.11	
26 05 33 13-1169	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	284.52	56.21
		For Elevated Installation >10' To 15', Add	11.24	
		For Elevated Installation >15' To 20', Add	22.48	
		For Elevated Installation >20' To 25', Add	28.11	
		For Elevated Installation >25' To 30', Add	39.35	
		For Elevated Installation >30' To 35', Add	44.97	
		For Elevated Installation >35' To 40', Add	56.21	
		For Elevated Installation >40', Add	61.83	
		For Work In Restricted Working Space, Add	33.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1170	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	360.15 12.32 24.64 30.80 43.12 49.28 61.60 67.76 36.96 36.96	61.60
26 05 33 13-1171			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover (26 05 33 13-0848)		
26 05 33 13-1172	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	214.58 7.39 14.78 18.48 25.87 29.57 36.96 40.66 22.18	36.96
26 05 33 13-1173	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	231.66 8.47 16.94 21.18 29.65 33.88 42.35 46.59 25.41	42.35
26 05 33 13-1174	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	270.60 9.70 19.40 24.26 33.96 38.81 48.51 53.36 29.11	48.51
26 05 33 13-1175	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	384.33 11.24 22.48 28.11 39.35 44.97 56.21 61.83 33.73	56.21
26 05 33 13-1176	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	618.76 12.32 24.64 30.80 43.12 49.28 61.60 67.76 36.96	61.60
26 05 33 13-1177	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	669.97 14.78 29.57 36.96 51.74 59.14 73.92 81.31 44.35	73.92
26 05 33 13-1178			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover (26 05 33 13-0848)		
26 05 33 13-1179	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add	234.56 7.39 14.78 18.48 25.87 29.57 36.96 40.66 22.18	36.96

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1180	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	264.99	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1181	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	289.61	48.51
		For Elevated Installation >10' To 15', Add	9.70	
		For Elevated Installation >15' To 20', Add	19.40	
		For Elevated Installation >20' To 25', Add	24.26	
		For Elevated Installation >25' To 30', Add	33.96	
		For Elevated Installation >30' To 35', Add	38.81	
		For Elevated Installation >35' To 40', Add	48.51	
		For Elevated Installation >40', Add	53.36	
		For Work In Restricted Working Space, Add	29.11	
26 05 33 13-1182	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	403.65	56.21
		For Elevated Installation >10' To 15', Add	11.24	
		For Elevated Installation >15' To 20', Add	22.48	
		For Elevated Installation >20' To 25', Add	28.11	
		For Elevated Installation >25' To 30', Add	39.35	
		For Elevated Installation >30' To 35', Add	44.97	
		For Elevated Installation >35' To 40', Add	56.21	
		For Elevated Installation >40', Add	61.83	
		For Work In Restricted Working Space, Add	33.73	
26 05 33 13-1183	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	664.85	61.60
		For Elevated Installation >10' To 15', Add	12.32	
		For Elevated Installation >15' To 20', Add	24.64	
		For Elevated Installation >20' To 25', Add	30.80	
		For Elevated Installation >25' To 30', Add	43.12	
		For Elevated Installation >30' To 35', Add	49.28	
		For Elevated Installation >35' To 40', Add	61.60	
		For Elevated Installation >40', Add	67.76	
		For Work In Restricted Working Space, Add	36.96	
26 05 33 13-1184	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	712.27	73.92
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.57	
		For Elevated Installation >20' To 25', Add	36.96	
		For Elevated Installation >25' To 30', Add	51.74	
		For Elevated Installation >30' To 35', Add	59.14	
		For Elevated Installation >35' To 40', Add	73.92	
		For Elevated Installation >40', Add	81.31	
		For Work In Restricted Working Space, Add	44.35	
26 05 33 13-1185		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover (26 05 33 13-0848)		
26 05 33 13-1186	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	234.71	36.96
		For Elevated Installation >10' To 15', Add	7.39	
		For Elevated Installation >15' To 20', Add	14.78	
		For Elevated Installation >20' To 25', Add	18.48	
		For Elevated Installation >25' To 30', Add	25.87	
		For Elevated Installation >30' To 35', Add	29.57	
		For Elevated Installation >35' To 40', Add	36.96	
		For Elevated Installation >40', Add	40.66	
		For Work In Restricted Working Space, Add	22.18	
26 05 33 13-1187	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	259.09	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1188	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	307.97	48.51
		For Elevated Installation >10' To 15', Add	9.70	
		For Elevated Installation >15' To 20', Add	19.40	
		For Elevated Installation >20' To 25', Add	24.26	
		For Elevated Installation >25' To 30', Add	33.96	
		For Elevated Installation >30' To 35', Add	38.81	
		For Elevated Installation >35' To 40', Add	48.51	
		For Elevated Installation >40', Add	53.36	
		For Work In Restricted Working Space, Add	29.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1189	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	418.36	56.21
			For Elevated Installation >10' To 15', Add	11.24	
			For Elevated Installation >15' To 20', Add	22.48	
			For Elevated Installation >20' To 25', Add	28.11	
			For Elevated Installation >25' To 30', Add	39.35	
			For Elevated Installation >30' To 35', Add	44.97	
			For Elevated Installation >35' To 40', Add	56.21	
			For Elevated Installation >40', Add	61.83	
			For Work In Restricted Working Space, Add	33.73	
26 05 33 13-1190	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	686.81	61.60
			For Elevated Installation >10' To 15', Add	12.32	
			For Elevated Installation >15' To 20', Add	24.64	
			For Elevated Installation >20' To 25', Add	30.80	
			For Elevated Installation >25' To 30', Add	43.12	
			For Elevated Installation >30' To 35', Add	49.28	
			For Elevated Installation >35' To 40', Add	61.60	
			For Elevated Installation >40', Add	67.76	
			For Work In Restricted Working Space, Add	36.96	
26 05 33 13-1191	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	739.34	73.92
			For Elevated Installation >10' To 15', Add	14.78	
			For Elevated Installation >15' To 20', Add	29.57	
			For Elevated Installation >20' To 25', Add	36.96	
			For Elevated Installation >25' To 30', Add	51.74	
			For Elevated Installation >30' To 35', Add	59.14	
			For Elevated Installation >35' To 40', Add	73.92	
			For Elevated Installation >40', Add	81.31	
			For Work In Restricted Working Space, Add	44.35	

26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover (26 05 33 13-0848)

26 05 33 13-1193	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	290.03	36.96
			For Elevated Installation >10' To 15', Add	7.39	
			For Elevated Installation >15' To 20', Add	14.78	
			For Elevated Installation >20' To 25', Add	18.48	
			For Elevated Installation >25' To 30', Add	25.87	
			For Elevated Installation >30' To 35', Add	29.57	
			For Elevated Installation >35' To 40', Add	36.96	
			For Elevated Installation >40', Add	40.66	
			For Work In Restricted Working Space, Add	22.18	
26 05 33 13-1194	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	320.58	42.35
			For Elevated Installation >10' To 15', Add	8.47	
			For Elevated Installation >15' To 20', Add	16.94	
			For Elevated Installation >20' To 25', Add	21.18	
			For Elevated Installation >25' To 30', Add	29.65	
			For Elevated Installation >30' To 35', Add	33.88	
			For Elevated Installation >35' To 40', Add	42.35	
			For Elevated Installation >40', Add	46.59	
			For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1195	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	347.95	48.51
			For Elevated Installation >10' To 15', Add	9.70	
			For Elevated Installation >15' To 20', Add	19.40	
			For Elevated Installation >20' To 25', Add	24.26	
			For Elevated Installation >25' To 30', Add	33.96	
			For Elevated Installation >30' To 35', Add	38.81	
			For Elevated Installation >35' To 40', Add	48.51	
			For Elevated Installation >40', Add	53.36	
			For Work In Restricted Working Space, Add	29.11	
26 05 33 13-1196	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	865.42	56.21
			For Elevated Installation >10' To 15', Add	11.24	
			For Elevated Installation >15' To 20', Add	22.48	
			For Elevated Installation >20' To 25', Add	28.11	
			For Elevated Installation >25' To 30', Add	39.35	
			For Elevated Installation >30' To 35', Add	44.97	
			For Elevated Installation >35' To 40', Add	56.21	
			For Elevated Installation >40', Add	61.83	
			For Work In Restricted Working Space, Add	33.73	

26 05 33 13-1197 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes (26 05 33 13-0848)

Note: Excludes cover.

26 05 33 13-1198	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	142.53	36.96
			For Elevated Installation >10' To 15', Add	7.39	
			For Elevated Installation >15' To 20', Add	14.78	
			For Elevated Installation >20' To 25', Add	18.48	
			For Elevated Installation >25' To 30', Add	25.87	
			For Elevated Installation >30' To 35', Add	29.57	
			For Elevated Installation >35' To 40', Add	36.96	
			For Elevated Installation >40', Add	40.66	
			For Work In Restricted Working Space, Add	22.18	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1199	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	157.02	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1200	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	175.55	48.51
		For Elevated Installation >10' To 15', Add	9.70	
		For Elevated Installation >15' To 20', Add	19.40	
		For Elevated Installation >20' To 25', Add	24.26	
		For Elevated Installation >25' To 30', Add	33.96	
		For Elevated Installation >30' To 35', Add	38.81	
		For Elevated Installation >35' To 40', Add	48.51	
		For Elevated Installation >40', Add	53.36	
		For Work In Restricted Working Space, Add	29.11	
26 05 33 13-1201	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	157.53	36.96
		For Elevated Installation >10' To 15', Add	7.39	
		For Elevated Installation >15' To 20', Add	14.78	
		For Elevated Installation >20' To 25', Add	18.48	
		For Elevated Installation >25' To 30', Add	25.87	
		For Elevated Installation >30' To 35', Add	29.57	
		For Elevated Installation >35' To 40', Add	36.96	
		For Elevated Installation >40', Add	40.66	
		For Work In Restricted Working Space, Add	22.18	
26 05 33 13-1202	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	170.14	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1203	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	193.77	48.51
		For Elevated Installation >10' To 15', Add	9.70	
		For Elevated Installation >15' To 20', Add	19.40	
		For Elevated Installation >20' To 25', Add	24.26	
		For Elevated Installation >25' To 30', Add	33.96	
		For Elevated Installation >30' To 35', Add	38.81	
		For Elevated Installation >35' To 40', Add	48.51	
		For Elevated Installation >40', Add	53.36	
		For Work In Restricted Working Space, Add	29.11	

26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes

(26 05 33 13-0848)

Note: Excludes cover.

26 05 33 13-1205	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	149.62	36.96
		For Elevated Installation >10' To 15', Add	7.39	
		For Elevated Installation >15' To 20', Add	14.78	
		For Elevated Installation >20' To 25', Add	18.48	
		For Elevated Installation >25' To 30', Add	25.87	
		For Elevated Installation >30' To 35', Add	29.57	
		For Elevated Installation >35' To 40', Add	36.96	
		For Elevated Installation >40', Add	40.66	
		For Work In Restricted Working Space, Add	22.18	
26 05 33 13-1206	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	165.01	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1207	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	181.06	48.51
		For Elevated Installation >10' To 15', Add	9.70	
		For Elevated Installation >15' To 20', Add	19.40	
		For Elevated Installation >20' To 25', Add	24.26	
		For Elevated Installation >25' To 30', Add	33.96	
		For Elevated Installation >30' To 35', Add	38.81	
		For Elevated Installation >35' To 40', Add	48.51	
		For Elevated Installation >40', Add	53.36	
		For Work In Restricted Working Space, Add	29.11	
26 05 33 13-1208	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	167.67	36.96
		For Elevated Installation >10' To 15', Add	7.39	
		For Elevated Installation >15' To 20', Add	14.78	
		For Elevated Installation >20' To 25', Add	18.48	
		For Elevated Installation >25' To 30', Add	25.87	
		For Elevated Installation >30' To 35', Add	29.57	
		For Elevated Installation >35' To 40', Add	36.96	
		For Elevated Installation >40', Add	40.66	
		For Work In Restricted Working Space, Add	22.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1209	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	183.23	42.35
			For Elevated Installation >10' To 15', Add	8.47	
			For Elevated Installation >15' To 20', Add	16.94	
			For Elevated Installation >20' To 25', Add	21.18	
			For Elevated Installation >25' To 30', Add	29.65	
			For Elevated Installation >30' To 35', Add	33.88	
			For Elevated Installation >35' To 40', Add	42.35	
			For Elevated Installation >40', Add	46.59	
			For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1210	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	207.25	48.51
			For Elevated Installation >10' To 15', Add	9.70	
			For Elevated Installation >15' To 20', Add	19.40	
			For Elevated Installation >20' To 25', Add	24.26	
			For Elevated Installation >25' To 30', Add	33.96	
			For Elevated Installation >30' To 35', Add	38.81	
			For Elevated Installation >35' To 40', Add	48.51	
			For Elevated Installation >40', Add	53.36	
			For Work In Restricted Working Space, Add	29.11	
26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers					
			(26 05 33 13-0848)		
26 05 33 13-1212	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	51.69	4.62
			For Elevated Installation >10' To 15', Add	0.92	
			For Elevated Installation >15' To 20', Add	1.85	
			For Elevated Installation >20' To 25', Add	2.31	
			For Elevated Installation >25' To 30', Add	3.23	
			For Elevated Installation >30' To 35', Add	3.70	
			For Elevated Installation >35' To 40', Add	4.62	
			For Elevated Installation >40', Add	5.08	
			For Work In Restricted Working Space, Add	2.77	
26 05 33 13-1213	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	70.16	5.39
			For Elevated Installation >10' To 15', Add	1.08	
			For Elevated Installation >15' To 20', Add	2.16	
			For Elevated Installation >20' To 25', Add	2.70	
			For Elevated Installation >25' To 30', Add	3.77	
			For Elevated Installation >30' To 35', Add	4.31	
			For Elevated Installation >35' To 40', Add	5.39	
			For Elevated Installation >40', Add	5.93	
			For Work In Restricted Working Space, Add	3.23	
26 05 33 13-1214	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	66.27	5.39
			For Elevated Installation >10' To 15', Add	1.08	
			For Elevated Installation >15' To 20', Add	2.16	
			For Elevated Installation >20' To 25', Add	2.70	
			For Elevated Installation >25' To 30', Add	3.77	
			For Elevated Installation >30' To 35', Add	4.31	
			For Elevated Installation >35' To 40', Add	5.39	
			For Elevated Installation >40', Add	5.93	
			For Work In Restricted Working Space, Add	3.23	
26 05 33 13-1215	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	59.00	5.39
			For Elevated Installation >10' To 15', Add	1.08	
			For Elevated Installation >15' To 20', Add	2.16	
			For Elevated Installation >20' To 25', Add	2.70	
			For Elevated Installation >25' To 30', Add	3.77	
			For Elevated Installation >30' To 35', Add	4.31	
			For Elevated Installation >35' To 40', Add	5.39	
			For Elevated Installation >40', Add	5.93	
			For Work In Restricted Working Space, Add	3.23	
26 05 33 13-1216	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	284.87	7.70
			For Elevated Installation >10' To 15', Add	1.54	
			For Elevated Installation >15' To 20', Add	3.08	
			For Elevated Installation >20' To 25', Add	3.85	
			For Elevated Installation >25' To 30', Add	5.39	
			For Elevated Installation >30' To 35', Add	6.16	
			For Elevated Installation >35' To 40', Add	7.70	
			For Elevated Installation >40', Add	8.47	
			For Work In Restricted Working Space, Add	4.62	
26 05 33 13-1217	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	253.34	7.70
			For Elevated Installation >10' To 15', Add	1.54	
			For Elevated Installation >15' To 20', Add	3.08	
			For Elevated Installation >20' To 25', Add	3.85	
			For Elevated Installation >25' To 30', Add	5.39	
			For Elevated Installation >30' To 35', Add	6.16	
			For Elevated Installation >35' To 40', Add	7.70	
			For Elevated Installation >40', Add	8.47	
			For Work In Restricted Working Space, Add	4.62	
26 05 33 13-1218 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies					
			(26 05 33 13-0848)		
			Note: Includes covers.		
26 05 33 13-1219	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	303.90	48.51
			For Elevated Installation >10' To 15', Add	9.70	
			For Elevated Installation >15' To 20', Add	19.40	
			For Elevated Installation >20' To 25', Add	24.26	
			For Elevated Installation >25' To 30', Add	33.96	
			For Elevated Installation >30' To 35', Add	38.81	
			For Elevated Installation >35' To 40', Add	48.51	
			For Elevated Installation >40', Add	53.36	
			For Work In Restricted Working Space, Add	29.11	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-1220	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	341.62	56.21
	For Elevated Installation >10' To 15', Add	11.24	
	For Elevated Installation >15' To 20', Add	22.48	
	For Elevated Installation >20' To 25', Add	28.11	
	For Elevated Installation >25' To 30', Add	39.35	
	For Elevated Installation >30' To 35', Add	44.97	
	For Elevated Installation >35' To 40', Add	56.21	
	For Elevated Installation >40', Add	61.83	
	For Work In Restricted Working Space, Add	33.73	
26 05 33 13-1221	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	469.21	61.60
	For Elevated Installation >10' To 15', Add	12.32	
	For Elevated Installation >15' To 20', Add	24.64	
	For Elevated Installation >20' To 25', Add	30.80	
	For Elevated Installation >25' To 30', Add	43.12	
	For Elevated Installation >30' To 35', Add	49.28	
	For Elevated Installation >35' To 40', Add	61.60	
	For Elevated Installation >40', Add	67.76	
	For Work In Restricted Working Space, Add	36.96	
26 05 33 13-1222	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	559.18	73.92
	For Elevated Installation >10' To 15', Add	14.78	
	For Elevated Installation >15' To 20', Add	29.57	
	For Elevated Installation >20' To 25', Add	36.96	
	For Elevated Installation >25' To 30', Add	51.74	
	For Elevated Installation >30' To 35', Add	59.14	
	For Elevated Installation >35' To 40', Add	73.92	
	For Elevated Installation >40', Add	81.31	
	For Work In Restricted Working Space, Add	44.35	
26 05 33 13-1223	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	807.38	103.95
	For Elevated Installation >10' To 15', Add	20.79	
	For Elevated Installation >15' To 20', Add	41.58	
	For Elevated Installation >20' To 25', Add	51.98	
	For Elevated Installation >25' To 30', Add	72.77	
	For Elevated Installation >30' To 35', Add	83.16	
	For Elevated Installation >35' To 40', Add	103.95	
	For Elevated Installation >40', Add	114.35	
	For Work In Restricted Working Space, Add	62.37	
26 05 33 13-1224	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,019.91	138.60
	For Elevated Installation >10' To 15', Add	27.72	
	For Elevated Installation >15' To 20', Add	55.44	
	For Elevated Installation >20' To 25', Add	69.30	
	For Elevated Installation >25' To 30', Add	97.02	
	For Elevated Installation >30' To 35', Add	110.88	
	For Elevated Installation >35' To 40', Add	138.60	
	For Elevated Installation >40', Add	152.46	
	For Work In Restricted Working Space, Add	83.16	
26 05 33 13-1225	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,490.35	173.25
	For Elevated Installation >10' To 15', Add	34.65	
	For Elevated Installation >15' To 20', Add	69.30	
	For Elevated Installation >20' To 25', Add	86.63	
	For Elevated Installation >25' To 30', Add	121.28	
	For Elevated Installation >30' To 35', Add	138.60	
	For Elevated Installation >35' To 40', Add	173.25	
	For Elevated Installation >40', Add	190.58	
	For Work In Restricted Working Space, Add	103.95	
26 05 33 13-1226	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,848.63	210.98
	For Elevated Installation >10' To 15', Add	42.20	
	For Elevated Installation >15' To 20', Add	84.39	
	For Elevated Installation >20' To 25', Add	105.49	
	For Elevated Installation >25' To 30', Add	147.69	
	For Elevated Installation >30' To 35', Add	168.78	
	For Elevated Installation >35' To 40', Add	210.98	
	For Elevated Installation >40', Add	232.08	
	For Work In Restricted Working Space, Add	126.59	
26 05 33 13-1227	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	303.90	48.51
	For Elevated Installation >10' To 15', Add	9.70	
	For Elevated Installation >15' To 20', Add	19.40	
	For Elevated Installation >20' To 25', Add	24.26	
	For Elevated Installation >25' To 30', Add	33.96	
	For Elevated Installation >30' To 35', Add	38.81	
	For Elevated Installation >35' To 40', Add	48.51	
	For Elevated Installation >40', Add	53.36	
	For Work In Restricted Working Space, Add	29.11	
26 05 33 13-1228	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	341.62	56.21
	For Elevated Installation >10' To 15', Add	11.24	
	For Elevated Installation >15' To 20', Add	22.48	
	For Elevated Installation >20' To 25', Add	28.11	
	For Elevated Installation >25' To 30', Add	39.35	
	For Elevated Installation >30' To 35', Add	44.97	
	For Elevated Installation >35' To 40', Add	56.21	
	For Elevated Installation >40', Add	61.83	
	For Work In Restricted Working Space, Add	33.73	
26 05 33 13-1229	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	467.94	61.60
	For Elevated Installation >10' To 15', Add	12.32	
	For Elevated Installation >15' To 20', Add	24.64	
	For Elevated Installation >20' To 25', Add	30.80	
	For Elevated Installation >25' To 30', Add	43.12	
	For Elevated Installation >30' To 35', Add	49.28	
	For Elevated Installation >35' To 40', Add	61.60	
	For Elevated Installation >40', Add	67.76	
	For Work In Restricted Working Space, Add	36.96	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1230	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	546.34	73.92
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.57	
		For Elevated Installation >20' To 25', Add	36.96	
		For Elevated Installation >25' To 30', Add	51.74	
		For Elevated Installation >30' To 35', Add	59.14	
		For Elevated Installation >35' To 40', Add	73.92	
		For Elevated Installation >40', Add	81.31	
		For Work In Restricted Working Space, Add	44.35	
26 05 33 13-1231	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	819.20	103.95
		For Elevated Installation >10' To 15', Add	20.79	
		For Elevated Installation >15' To 20', Add	41.58	
		For Elevated Installation >20' To 25', Add	51.98	
		For Elevated Installation >25' To 30', Add	72.77	
		For Elevated Installation >30' To 35', Add	83.16	
		For Elevated Installation >35' To 40', Add	103.95	
		For Elevated Installation >40', Add	114.35	
		For Work In Restricted Working Space, Add	62.37	
26 05 33 13-1232	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,072.94	138.60
		For Elevated Installation >10' To 15', Add	27.72	
		For Elevated Installation >15' To 20', Add	55.44	
		For Elevated Installation >20' To 25', Add	69.30	
		For Elevated Installation >25' To 30', Add	97.02	
		For Elevated Installation >30' To 35', Add	110.88	
		For Elevated Installation >35' To 40', Add	138.60	
		For Elevated Installation >40', Add	152.46	
		For Work In Restricted Working Space, Add	83.16	
26 05 33 13-1233	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,554.37	173.25
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
		For Work In Restricted Working Space, Add	103.95	
26 05 33 13-1234	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,888.49	210.98
		For Elevated Installation >10' To 15', Add	42.20	
		For Elevated Installation >15' To 20', Add	84.39	
		For Elevated Installation >20' To 25', Add	105.49	
		For Elevated Installation >25' To 30', Add	147.69	
		For Elevated Installation >30' To 35', Add	168.78	
		For Elevated Installation >35' To 40', Add	210.98	
		For Elevated Installation >40', Add	232.08	
		For Work In Restricted Working Space, Add	126.59	
26 05 33 13-1235	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	303.90	48.51
		For Elevated Installation >10' To 15', Add	9.70	
		For Elevated Installation >15' To 20', Add	19.40	
		For Elevated Installation >20' To 25', Add	24.26	
		For Elevated Installation >25' To 30', Add	33.96	
		For Elevated Installation >30' To 35', Add	38.81	
		For Elevated Installation >35' To 40', Add	48.51	
		For Elevated Installation >40', Add	53.36	
		For Work In Restricted Working Space, Add	29.11	
26 05 33 13-1236	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	341.62	56.21
		For Elevated Installation >10' To 15', Add	11.24	
		For Elevated Installation >15' To 20', Add	22.48	
		For Elevated Installation >20' To 25', Add	28.11	
		For Elevated Installation >25' To 30', Add	39.35	
		For Elevated Installation >30' To 35', Add	44.97	
		For Elevated Installation >35' To 40', Add	56.21	
		For Elevated Installation >40', Add	61.83	
		For Work In Restricted Working Space, Add	33.73	
26 05 33 13-1237	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	467.94	61.60
		For Elevated Installation >10' To 15', Add	12.32	
		For Elevated Installation >15' To 20', Add	24.64	
		For Elevated Installation >20' To 25', Add	30.80	
		For Elevated Installation >25' To 30', Add	43.12	
		For Elevated Installation >30' To 35', Add	49.28	
		For Elevated Installation >35' To 40', Add	61.60	
		For Elevated Installation >40', Add	67.76	
		For Work In Restricted Working Space, Add	36.96	
26 05 33 13-1238	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	546.34	73.92
		For Elevated Installation >10' To 15', Add	14.78	
		For Elevated Installation >15' To 20', Add	29.57	
		For Elevated Installation >20' To 25', Add	36.96	
		For Elevated Installation >25' To 30', Add	51.74	
		For Elevated Installation >30' To 35', Add	59.14	
		For Elevated Installation >35' To 40', Add	73.92	
		For Elevated Installation >40', Add	81.31	
		For Work In Restricted Working Space, Add	44.35	
26 05 33 13-1239	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	819.20	103.95
		For Elevated Installation >10' To 15', Add	20.79	
		For Elevated Installation >15' To 20', Add	41.58	
		For Elevated Installation >20' To 25', Add	51.98	
		For Elevated Installation >25' To 30', Add	72.77	
		For Elevated Installation >30' To 35', Add	83.16	
		For Elevated Installation >35' To 40', Add	103.95	
		For Elevated Installation >40', Add	114.35	
		For Work In Restricted Working Space, Add	62.37	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1240	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,072.94	138.60
	For Elevated Installation >10' To 15', Add	27.72	
	For Elevated Installation >15' To 20', Add	55.44	
	For Elevated Installation >20' To 25', Add	69.30	
	For Elevated Installation >25' To 30', Add	97.02	
	For Elevated Installation >30' To 35', Add	110.88	
	For Elevated Installation >35' To 40', Add	138.60	
	For Elevated Installation >40', Add	152.46	
	For Work In Restricted Working Space, Add	83.16	
26 05 33 13-1241	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,554.37	173.25
	For Elevated Installation >10' To 15', Add	34.65	
	For Elevated Installation >15' To 20', Add	69.30	
	For Elevated Installation >20' To 25', Add	86.63	
	For Elevated Installation >25' To 30', Add	121.28	
	For Elevated Installation >30' To 35', Add	138.60	
	For Elevated Installation >35' To 40', Add	173.25	
	For Elevated Installation >40', Add	190.58	
	For Work In Restricted Working Space, Add	103.95	
26 05 33 13-1242	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,888.49	210.98
	For Elevated Installation >10' To 15', Add	42.20	
	For Elevated Installation >15' To 20', Add	84.39	
	For Elevated Installation >20' To 25', Add	105.49	
	For Elevated Installation >25' To 30', Add	147.69	
	For Elevated Installation >30' To 35', Add	168.78	
	For Elevated Installation >35' To 40', Add	210.98	
	For Elevated Installation >40', Add	232.08	
	For Work In Restricted Working Space, Add	126.59	
26 05 33 13-1243	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	303.90	48.51
	For Elevated Installation >10' To 15', Add	9.70	
	For Elevated Installation >15' To 20', Add	19.40	
	For Elevated Installation >20' To 25', Add	24.26	
	For Elevated Installation >25' To 30', Add	33.96	
	For Elevated Installation >30' To 35', Add	38.81	
	For Elevated Installation >35' To 40', Add	48.51	
	For Elevated Installation >40', Add	53.36	
	For Work In Restricted Working Space, Add	29.11	
26 05 33 13-1244	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	341.62	56.21
	For Elevated Installation >10' To 15', Add	11.24	
	For Elevated Installation >15' To 20', Add	22.48	
	For Elevated Installation >20' To 25', Add	28.11	
	For Elevated Installation >25' To 30', Add	39.35	
	For Elevated Installation >30' To 35', Add	44.97	
	For Elevated Installation >35' To 40', Add	56.21	
	For Elevated Installation >40', Add	61.83	
	For Work In Restricted Working Space, Add	33.73	
26 05 33 13-1245	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	469.21	61.60
	For Elevated Installation >10' To 15', Add	12.32	
	For Elevated Installation >15' To 20', Add	24.64	
	For Elevated Installation >20' To 25', Add	30.80	
	For Elevated Installation >25' To 30', Add	43.12	
	For Elevated Installation >30' To 35', Add	49.28	
	For Elevated Installation >35' To 40', Add	61.60	
	For Elevated Installation >40', Add	67.76	
	For Work In Restricted Working Space, Add	36.96	
26 05 33 13-1246	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	553.26	73.92
	For Elevated Installation >10' To 15', Add	14.78	
	For Elevated Installation >15' To 20', Add	29.57	
	For Elevated Installation >20' To 25', Add	36.96	
	For Elevated Installation >25' To 30', Add	51.74	
	For Elevated Installation >30' To 35', Add	59.14	
	For Elevated Installation >35' To 40', Add	73.92	
	For Elevated Installation >40', Add	81.31	
	For Work In Restricted Working Space, Add	44.35	
26 05 33 13-1247	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	807.38	103.95
	For Elevated Installation >10' To 15', Add	20.79	
	For Elevated Installation >15' To 20', Add	41.58	
	For Elevated Installation >20' To 25', Add	51.98	
	For Elevated Installation >25' To 30', Add	72.77	
	For Elevated Installation >30' To 35', Add	83.16	
	For Elevated Installation >35' To 40', Add	103.95	
	For Elevated Installation >40', Add	114.35	
	For Work In Restricted Working Space, Add	62.37	
26 05 33 13-1248	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,019.91	138.60
	For Elevated Installation >10' To 15', Add	27.72	
	For Elevated Installation >15' To 20', Add	55.44	
	For Elevated Installation >20' To 25', Add	69.30	
	For Elevated Installation >25' To 30', Add	97.02	
	For Elevated Installation >30' To 35', Add	110.88	
	For Elevated Installation >35' To 40', Add	138.60	
	For Elevated Installation >40', Add	152.46	
	For Work In Restricted Working Space, Add	83.16	
26 05 33 13-1249	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,490.35	173.25
	For Elevated Installation >10' To 15', Add	34.65	
	For Elevated Installation >15' To 20', Add	69.30	
	For Elevated Installation >20' To 25', Add	86.63	
	For Elevated Installation >25' To 30', Add	121.28	
	For Elevated Installation >30' To 35', Add	138.60	
	For Elevated Installation >35' To 40', Add	173.25	
	For Elevated Installation >40', Add	190.58	
	For Work In Restricted Working Space, Add	103.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1250	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,865.23	210.98
			For Elevated Installation >10' To 15', Add	42.20	
			For Elevated Installation >15' To 20', Add	84.39	
			For Elevated Installation >20' To 25', Add	105.49	
			For Elevated Installation >25' To 30', Add	147.69	
			For Elevated Installation >30' To 35', Add	168.78	
			For Elevated Installation >35' To 40', Add	210.98	
			For Elevated Installation >40', Add	232.08	
			For Work In Restricted Working Space, Add	126.59	
26 05 33 13-1251			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers (26 05 33 13-0848)		
26 05 33 13-1252	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	148.64	6.93
			For Elevated Installation >10' To 15', Add	1.39	
			For Elevated Installation >15' To 20', Add	2.77	
			For Elevated Installation >20' To 25', Add	3.47	
			For Elevated Installation >25' To 30', Add	4.85	
			For Elevated Installation >30' To 35', Add	5.54	
			For Elevated Installation >35' To 40', Add	6.93	
			For Elevated Installation >40', Add	7.62	
			For Work In Restricted Working Space, Add	4.16	
26 05 33 13-1253	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	150.18	7.70
			For Elevated Installation >10' To 15', Add	1.54	
			For Elevated Installation >15' To 20', Add	3.08	
			For Elevated Installation >20' To 25', Add	3.85	
			For Elevated Installation >25' To 30', Add	5.39	
			For Elevated Installation >30' To 35', Add	6.16	
			For Elevated Installation >35' To 40', Add	7.70	
			For Elevated Installation >40', Add	8.47	
			For Work In Restricted Working Space, Add	4.62	
26 05 33 13-1254	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	212.30	10.78
			For Elevated Installation >10' To 15', Add	2.16	
			For Elevated Installation >15' To 20', Add	4.31	
			For Elevated Installation >20' To 25', Add	5.39	
			For Elevated Installation >25' To 30', Add	7.55	
			For Elevated Installation >30' To 35', Add	8.62	
			For Elevated Installation >35' To 40', Add	10.78	
			For Elevated Installation >40', Add	11.86	
			For Work In Restricted Working Space, Add	6.47	
26 05 33 13-1255	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	215.38	12.32
			For Elevated Installation >10' To 15', Add	2.46	
			For Elevated Installation >15' To 20', Add	4.93	
			For Elevated Installation >20' To 25', Add	6.16	
			For Elevated Installation >25' To 30', Add	8.62	
			For Elevated Installation >30' To 35', Add	9.86	
			For Elevated Installation >35' To 40', Add	12.32	
			For Elevated Installation >40', Add	13.55	
			For Work In Restricted Working Space, Add	7.39	
26 05 33 13-1256	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	375.37	14.63
			For Elevated Installation >10' To 15', Add	2.93	
			For Elevated Installation >15' To 20', Add	5.85	
			For Elevated Installation >20' To 25', Add	7.32	
			For Elevated Installation >25' To 30', Add	10.24	
			For Elevated Installation >30' To 35', Add	11.70	
			For Elevated Installation >35' To 40', Add	14.63	
			For Elevated Installation >40', Add	16.09	
			For Work In Restricted Working Space, Add	8.78	
26 05 33 13-1257	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	383.07	18.48
			For Elevated Installation >10' To 15', Add	3.70	
			For Elevated Installation >15' To 20', Add	7.39	
			For Elevated Installation >20' To 25', Add	9.24	
			For Elevated Installation >25' To 30', Add	12.94	
			For Elevated Installation >30' To 35', Add	14.78	
			For Elevated Installation >35' To 40', Add	18.48	
			For Elevated Installation >40', Add	20.33	
			For Work In Restricted Working Space, Add	11.09	
26 05 33 13-1258	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	575.96	20.79
			For Elevated Installation >10' To 15', Add	4.16	
			For Elevated Installation >15' To 20', Add	8.32	
			For Elevated Installation >20' To 25', Add	10.40	
			For Elevated Installation >25' To 30', Add	14.55	
			For Elevated Installation >30' To 35', Add	16.63	
			For Elevated Installation >35' To 40', Add	20.79	
			For Elevated Installation >40', Add	22.87	
			For Work In Restricted Working Space, Add	12.47	
26 05 33 13-1259	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	588.28	26.95
			For Elevated Installation >10' To 15', Add	5.39	
			For Elevated Installation >15' To 20', Add	10.78	
			For Elevated Installation >20' To 25', Add	13.48	
			For Elevated Installation >25' To 30', Add	18.87	
			For Elevated Installation >30' To 35', Add	21.56	
			For Elevated Installation >35' To 40', Add	26.95	
			For Elevated Installation >40', Add	29.65	
			For Work In Restricted Working Space, Add	16.17	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings (26 05 33 13-0848)			
26 05 33 13-1261	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	257.02	19.25
	For Elevated Installation >10' To 15', Add	3.85	
	For Elevated Installation >15' To 20', Add	7.70	
	For Elevated Installation >20' To 25', Add	9.63	
	For Elevated Installation >25' To 30', Add	13.48	
	For Elevated Installation >30' To 35', Add	15.40	
	For Elevated Installation >35' To 40', Add	19.25	
	For Elevated Installation >40', Add	21.18	
	For Work In Restricted Working Space, Add	11.55	
26 05 33 13-1262	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	303.83	23.87
	For Elevated Installation >10' To 15', Add	4.77	
	For Elevated Installation >15' To 20', Add	9.55	
	For Elevated Installation >20' To 25', Add	11.94	
	For Elevated Installation >25' To 30', Add	16.71	
	For Elevated Installation >30' To 35', Add	19.10	
	For Elevated Installation >35' To 40', Add	23.87	
	For Elevated Installation >40', Add	26.26	
	For Work In Restricted Working Space, Add	14.32	
26 05 33 13-1263	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	359.79	29.26
	For Elevated Installation >10' To 15', Add	5.85	
	For Elevated Installation >15' To 20', Add	11.70	
	For Elevated Installation >20' To 25', Add	14.63	
	For Elevated Installation >25' To 30', Add	20.48	
	For Elevated Installation >30' To 35', Add	23.41	
	For Elevated Installation >35' To 40', Add	29.26	
	For Elevated Installation >40', Add	32.19	
	For Work In Restricted Working Space, Add	17.56	
26 05 33 13-1264	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	442.93	33.88
	For Elevated Installation >10' To 15', Add	6.78	
	For Elevated Installation >15' To 20', Add	13.55	
	For Elevated Installation >20' To 25', Add	16.94	
	For Elevated Installation >25' To 30', Add	23.72	
	For Elevated Installation >30' To 35', Add	27.10	
	For Elevated Installation >35' To 40', Add	33.88	
	For Elevated Installation >40', Add	37.27	
	For Work In Restricted Working Space, Add	20.33	
26 05 33 13-1265	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	591.14	38.50
	For Elevated Installation >10' To 15', Add	7.70	
	For Elevated Installation >15' To 20', Add	15.40	
	For Elevated Installation >20' To 25', Add	19.25	
	For Elevated Installation >25' To 30', Add	26.95	
	For Elevated Installation >30' To 35', Add	30.80	
	For Elevated Installation >35' To 40', Add	38.50	
	For Elevated Installation >40', Add	42.35	
	For Work In Restricted Working Space, Add	23.10	
26 05 33 13-1266	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	816.91	42.35
	For Elevated Installation >10' To 15', Add	8.47	
	For Elevated Installation >15' To 20', Add	16.94	
	For Elevated Installation >20' To 25', Add	21.18	
	For Elevated Installation >25' To 30', Add	29.65	
	For Elevated Installation >30' To 35', Add	33.88	
	For Elevated Installation >35' To 40', Add	42.35	
	For Elevated Installation >40', Add	46.59	
	For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1267	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,165.64	53.13
	For Elevated Installation >10' To 15', Add	10.63	
	For Elevated Installation >15' To 20', Add	21.25	
	For Elevated Installation >20' To 25', Add	26.57	
	For Elevated Installation >25' To 30', Add	37.19	
	For Elevated Installation >30' To 35', Add	42.50	
	For Elevated Installation >35' To 40', Add	53.13	
	For Elevated Installation >40', Add	58.44	
	For Work In Restricted Working Space, Add	31.88	
26 05 33 13-1268	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,450.29	72.38
	For Elevated Installation >10' To 15', Add	14.48	
	For Elevated Installation >15' To 20', Add	28.95	
	For Elevated Installation >20' To 25', Add	36.19	
	For Elevated Installation >25' To 30', Add	50.67	
	For Elevated Installation >30' To 35', Add	57.90	
	For Elevated Installation >35' To 40', Add	72.38	
	For Elevated Installation >40', Add	79.62	
	For Work In Restricted Working Space, Add	43.43	
26 05 33 13-1269	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,032.01	81.62
	For Elevated Installation >10' To 15', Add	16.32	
	For Elevated Installation >15' To 20', Add	32.65	
	For Elevated Installation >20' To 25', Add	40.81	
	For Elevated Installation >25' To 30', Add	57.13	
	For Elevated Installation >30' To 35', Add	65.30	
	For Elevated Installation >35' To 40', Add	81.62	
	For Elevated Installation >40', Add	89.78	
	For Work In Restricted Working Space, Add	48.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1270	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,343.68	106.26
			For Elevated Installation >10' To 15', Add	21.25	
			For Elevated Installation >15' To 20', Add	42.50	
			For Elevated Installation >20' To 25', Add	53.13	
			For Elevated Installation >25' To 30', Add	74.38	
			For Elevated Installation >30' To 35', Add	85.00	
			For Elevated Installation >35' To 40', Add	106.26	
			For Elevated Installation >40', Add	116.88	
			For Work In Restricted Working Space, Add	63.75	
26 05 33 13-1271 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper (26 05 33 13-0848)					
26 05 33 13-1272	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	406.73	19.25
			For Elevated Installation >10' To 15', Add	3.85	
			For Elevated Installation >15' To 20', Add	7.70	
			For Elevated Installation >20' To 25', Add	9.63	
			For Elevated Installation >25' To 30', Add	13.48	
			For Elevated Installation >30' To 35', Add	15.40	
			For Elevated Installation >35' To 40', Add	19.25	
			For Elevated Installation >40', Add	21.18	
			For Work In Restricted Working Space, Add	11.55	
26 05 33 13-1273	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	422.91	23.87
			For Elevated Installation >10' To 15', Add	4.77	
			For Elevated Installation >15' To 20', Add	9.55	
			For Elevated Installation >20' To 25', Add	11.94	
			For Elevated Installation >25' To 30', Add	16.71	
			For Elevated Installation >30' To 35', Add	19.10	
			For Elevated Installation >35' To 40', Add	23.87	
			For Elevated Installation >40', Add	26.26	
			For Work In Restricted Working Space, Add	14.32	
26 05 33 13-1274	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	475.33	29.26
			For Elevated Installation >10' To 15', Add	5.85	
			For Elevated Installation >15' To 20', Add	11.70	
			For Elevated Installation >20' To 25', Add	14.63	
			For Elevated Installation >25' To 30', Add	20.48	
			For Elevated Installation >30' To 35', Add	23.41	
			For Elevated Installation >35' To 40', Add	29.26	
			For Elevated Installation >40', Add	32.19	
			For Work In Restricted Working Space, Add	17.56	
26 05 33 13-1275	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	574.96	33.88
			For Elevated Installation >10' To 15', Add	6.78	
			For Elevated Installation >15' To 20', Add	13.55	
			For Elevated Installation >20' To 25', Add	16.94	
			For Elevated Installation >25' To 30', Add	23.72	
			For Elevated Installation >30' To 35', Add	27.10	
			For Elevated Installation >35' To 40', Add	33.88	
			For Elevated Installation >40', Add	37.27	
			For Work In Restricted Working Space, Add	20.33	
26 05 33 13-1276	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	696.57	38.50
			For Elevated Installation >10' To 15', Add	7.70	
			For Elevated Installation >15' To 20', Add	15.40	
			For Elevated Installation >20' To 25', Add	19.25	
			For Elevated Installation >25' To 30', Add	26.95	
			For Elevated Installation >30' To 35', Add	30.80	
			For Elevated Installation >35' To 40', Add	38.50	
			For Elevated Installation >40', Add	42.35	
			For Work In Restricted Working Space, Add	23.10	
26 05 33 13-1277	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	889.49	42.35
			For Elevated Installation >10' To 15', Add	8.47	
			For Elevated Installation >15' To 20', Add	16.94	
			For Elevated Installation >20' To 25', Add	21.18	
			For Elevated Installation >25' To 30', Add	29.65	
			For Elevated Installation >30' To 35', Add	33.88	
			For Elevated Installation >35' To 40', Add	42.35	
			For Elevated Installation >40', Add	46.59	
			For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1278	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,311.84	53.13
			For Elevated Installation >10' To 15', Add	10.63	
			For Elevated Installation >15' To 20', Add	21.25	
			For Elevated Installation >20' To 25', Add	26.57	
			For Elevated Installation >25' To 30', Add	37.19	
			For Elevated Installation >30' To 35', Add	42.50	
			For Elevated Installation >35' To 40', Add	53.13	
			For Elevated Installation >40', Add	58.44	
			For Work In Restricted Working Space, Add	31.88	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1279	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,645.66	72.38
		For Elevated Installation >10' To 15', Add	14.48	
		For Elevated Installation >15' To 20', Add	28.95	
		For Elevated Installation >20' To 25', Add	36.19	
		For Elevated Installation >25' To 30', Add	50.67	
		For Elevated Installation >30' To 35', Add	57.90	
		For Elevated Installation >35' To 40', Add	72.38	
		For Elevated Installation >40', Add	79.62	
		For Work In Restricted Working Space, Add	43.43	
26 05 33 13-1280	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,095.08	81.62
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
		For Work In Restricted Working Space, Add	48.97	
26 05 33 13-1281	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,623.00	106.26
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	
		For Work In Restricted Working Space, Add	63.75	

26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs

(26 05 33 13-0848)

26 05 33 13-1283	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	85.34	9.24
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.62	
		For Elevated Installation >25' To 30', Add	6.47	
		For Elevated Installation >30' To 35', Add	7.39	
		For Elevated Installation >35' To 40', Add	9.24	
		For Elevated Installation >40', Add	10.16	
		For Work In Restricted Working Space, Add	5.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33 13-1284	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	92.77	11.55
		For Elevated Installation >10' To 15', Add	2.31	
		For Elevated Installation >15' To 20', Add	4.62	
		For Elevated Installation >20' To 25', Add	5.77	
		For Elevated Installation >25' To 30', Add	8.08	
		For Elevated Installation >30' To 35', Add	9.24	
		For Elevated Installation >35' To 40', Add	11.55	
		For Elevated Installation >40', Add	12.70	
		For Work In Restricted Working Space, Add	6.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	
26 05 33 13-1285	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	102.26	13.86
		For Elevated Installation >10' To 15', Add	2.77	
		For Elevated Installation >15' To 20', Add	5.54	
		For Elevated Installation >20' To 25', Add	6.93	
		For Elevated Installation >25' To 30', Add	9.70	
		For Elevated Installation >30' To 35', Add	11.09	
		For Elevated Installation >35' To 40', Add	13.86	
		For Elevated Installation >40', Add	15.25	
		For Work In Restricted Working Space, Add	8.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.32	
26 05 33 13-1286	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	115.89	16.94
		For Elevated Installation >10' To 15', Add	3.39	
		For Elevated Installation >15' To 20', Add	6.78	
		For Elevated Installation >20' To 25', Add	8.47	
		For Elevated Installation >25' To 30', Add	11.86	
		For Elevated Installation >30' To 35', Add	13.55	
		For Elevated Installation >35' To 40', Add	16.94	
		For Elevated Installation >40', Add	18.63	
		For Work In Restricted Working Space, Add	10.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-1287	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	155.31	19.25
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Work In Restricted Working Space, Add	11.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1288	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	189.47	21.56
		For Elevated Installation >10' To 15', Add	4.31	
		For Elevated Installation >15' To 20', Add	8.62	
		For Elevated Installation >20' To 25', Add	10.78	
		For Elevated Installation >25' To 30', Add	15.09	
		For Elevated Installation >30' To 35', Add	17.25	
		For Elevated Installation >35' To 40', Add	21.56	
		For Elevated Installation >40', Add	23.72	
		For Work In Restricted Working Space, Add	12.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.94	
26 05 33 13-1289	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	270.59	26.95
		For Elevated Installation >10' To 15', Add	5.39	
		For Elevated Installation >15' To 20', Add	10.78	
		For Elevated Installation >20' To 25', Add	13.48	
		For Elevated Installation >25' To 30', Add	18.87	
		For Elevated Installation >30' To 35', Add	21.56	
		For Elevated Installation >35' To 40', Add	26.95	
		For Elevated Installation >40', Add	29.65	
		For Work In Restricted Working Space, Add	16.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.17	
26 05 33 13-1290	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	353.41	36.19
		For Elevated Installation >10' To 15', Add	7.24	
		For Elevated Installation >15' To 20', Add	14.48	
		For Elevated Installation >20' To 25', Add	18.10	
		For Elevated Installation >25' To 30', Add	25.33	
		For Elevated Installation >30' To 35', Add	28.95	
		For Elevated Installation >35' To 40', Add	36.19	
		For Elevated Installation >40', Add	39.81	
		For Work In Restricted Working Space, Add	21.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.71	
26 05 33 13-1291	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	450.38	40.81
		For Elevated Installation >10' To 15', Add	8.16	
		For Elevated Installation >15' To 20', Add	16.32	
		For Elevated Installation >20' To 25', Add	20.41	
		For Elevated Installation >25' To 30', Add	28.57	
		For Elevated Installation >30' To 35', Add	32.65	
		For Elevated Installation >35' To 40', Add	40.81	
		For Elevated Installation >40', Add	44.89	
		For Work In Restricted Working Space, Add	24.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.49	
26 05 33 13-1292	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	566.74	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	
26 05 33 13-1293	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	708.00	86.23
		For Elevated Installation >10' To 15', Add	17.25	
		For Elevated Installation >15' To 20', Add	34.50	
		For Elevated Installation >20' To 25', Add	43.12	
		For Elevated Installation >25' To 30', Add	60.37	
		For Elevated Installation >30' To 35', Add	68.99	
		For Elevated Installation >35' To 40', Add	86.24	
		For Elevated Installation >40', Add	94.86	
		For Work In Restricted Working Space, Add	51.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.74	
26 05 33 13-1294	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	1,067.79	130.13
		For Elevated Installation >10' To 15', Add	26.03	
		For Elevated Installation >15' To 20', Add	52.05	
		For Elevated Installation >20' To 25', Add	65.07	
		For Elevated Installation >25' To 30', Add	91.09	
		For Elevated Installation >30' To 35', Add	104.10	
		For Elevated Installation >35' To 40', Add	130.13	
		For Elevated Installation >40', Add	143.14	
		For Work In Restricted Working Space, Add	78.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.08	
26 05 33 13-1295		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs (26 05 33 13-0848)		
26 05 33 13-1296	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	127.87	9.24
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.62	
		For Elevated Installation >25' To 30', Add	6.47	
		For Elevated Installation >30' To 35', Add	7.39	
		For Elevated Installation >35' To 40', Add	9.24	
		For Elevated Installation >40', Add	10.16	
		For Work In Restricted Working Space, Add	5.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1297	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	135.60	11.55
		For Elevated Installation >10' To 15', Add	2.31	
		For Elevated Installation >15' To 20', Add	4.62	
		For Elevated Installation >20' To 25', Add	5.77	
		For Elevated Installation >25' To 30', Add	8.08	
		For Elevated Installation >30' To 35', Add	9.24	
		For Elevated Installation >35' To 40', Add	11.55	
		For Elevated Installation >40', Add	12.70	
		For Work In Restricted Working Space, Add	6.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	
26 05 33 13-1298	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	146.03	13.86
		For Elevated Installation >10' To 15', Add	2.77	
		For Elevated Installation >15' To 20', Add	5.54	
		For Elevated Installation >20' To 25', Add	6.93	
		For Elevated Installation >25' To 30', Add	9.70	
		For Elevated Installation >30' To 35', Add	11.09	
		For Elevated Installation >35' To 40', Add	13.86	
		For Elevated Installation >40', Add	15.25	
		For Work In Restricted Working Space, Add	8.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.32	
26 05 33 13-1299	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	166.93	16.94
		For Elevated Installation >10' To 15', Add	3.39	
		For Elevated Installation >15' To 20', Add	6.78	
		For Elevated Installation >20' To 25', Add	8.47	
		For Elevated Installation >25' To 30', Add	11.86	
		For Elevated Installation >30' To 35', Add	13.55	
		For Elevated Installation >35' To 40', Add	16.94	
		For Elevated Installation >40', Add	18.63	
		For Work In Restricted Working Space, Add	10.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-1300	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	179.41	19.25
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Work In Restricted Working Space, Add	11.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-1301	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	202.89	21.56
		For Elevated Installation >10' To 15', Add	4.31	
		For Elevated Installation >15' To 20', Add	8.62	
		For Elevated Installation >20' To 25', Add	10.78	
		For Elevated Installation >25' To 30', Add	15.09	
		For Elevated Installation >30' To 35', Add	17.25	
		For Elevated Installation >35' To 40', Add	21.56	
		For Elevated Installation >40', Add	23.72	
		For Work In Restricted Working Space, Add	12.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.94	
26 05 33 13-1302	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	308.27	26.95
		For Elevated Installation >10' To 15', Add	5.39	
		For Elevated Installation >15' To 20', Add	10.78	
		For Elevated Installation >20' To 25', Add	13.48	
		For Elevated Installation >25' To 30', Add	18.87	
		For Elevated Installation >30' To 35', Add	21.56	
		For Elevated Installation >35' To 40', Add	26.95	
		For Elevated Installation >40', Add	29.65	
		For Work In Restricted Working Space, Add	16.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.17	
26 05 33 13-1303	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	369.66	36.19
		For Elevated Installation >10' To 15', Add	7.24	
		For Elevated Installation >15' To 20', Add	14.48	
		For Elevated Installation >20' To 25', Add	18.10	
		For Elevated Installation >25' To 30', Add	25.33	
		For Elevated Installation >30' To 35', Add	28.95	
		For Elevated Installation >35' To 40', Add	36.19	
		For Elevated Installation >40', Add	39.81	
		For Work In Restricted Working Space, Add	21.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.71	
26 05 33 13-1304	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	453.89	40.81
		For Elevated Installation >10' To 15', Add	8.16	
		For Elevated Installation >15' To 20', Add	16.32	
		For Elevated Installation >20' To 25', Add	20.41	
		For Elevated Installation >25' To 30', Add	28.57	
		For Elevated Installation >30' To 35', Add	32.65	
		For Elevated Installation >35' To 40', Add	40.81	
		For Elevated Installation >40', Add	44.89	
		For Work In Restricted Working Space, Add	24.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.49	
26 05 33 13-1305	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	589.39	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1306	EA	5"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	917.48	86.23
			For Elevated Installation >10' To 15', Add	17.25	
			For Elevated Installation >15' To 20', Add	34.50	
			For Elevated Installation >20' To 25', Add	43.12	
			For Elevated Installation >25' To 30', Add	60.37	
			For Elevated Installation >30' To 35', Add	68.99	
			For Elevated Installation >35' To 40', Add	86.24	
			For Elevated Installation >40', Add	94.86	
			For Work In Restricted Working Space, Add	51.74	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.74	
26 05 33 13-1307	EA	6"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,499.47	130.13
			For Elevated Installation >10' To 15', Add	26.03	
			For Elevated Installation >15' To 20', Add	52.05	
			For Elevated Installation >20' To 25', Add	65.07	
			For Elevated Installation >25' To 30', Add	91.09	
			For Elevated Installation >30' To 35', Add	104.10	
			For Elevated Installation >35' To 40', Add	130.13	
			For Elevated Installation >40', Add	143.14	
			For Work In Restricted Working Space, Add	78.08	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.08	

26 05 33 13-1308 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs (26 05 33 13-0848)

26 05 33 13-1309	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	137.32	9.24
			For Elevated Installation >10' To 15', Add	1.85	
			For Elevated Installation >15' To 20', Add	3.70	
			For Elevated Installation >20' To 25', Add	4.62	
			For Elevated Installation >25' To 30', Add	6.47	
			For Elevated Installation >30' To 35', Add	7.39	
			For Elevated Installation >35' To 40', Add	9.24	
			For Elevated Installation >40', Add	10.16	
			For Work In Restricted Working Space, Add	5.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33 13-1310	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	144.58	11.55
			For Elevated Installation >10' To 15', Add	2.31	
			For Elevated Installation >15' To 20', Add	4.62	
			For Elevated Installation >20' To 25', Add	5.77	
			For Elevated Installation >25' To 30', Add	8.08	
			For Elevated Installation >30' To 35', Add	9.24	
			For Elevated Installation >35' To 40', Add	11.55	
			For Elevated Installation >40', Add	12.70	
			For Work In Restricted Working Space, Add	6.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	
26 05 33 13-1311	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	155.41	13.86
			For Elevated Installation >10' To 15', Add	2.77	
			For Elevated Installation >15' To 20', Add	5.54	
			For Elevated Installation >20' To 25', Add	6.93	
			For Elevated Installation >25' To 30', Add	9.70	
			For Elevated Installation >30' To 35', Add	11.09	
			For Elevated Installation >35' To 40', Add	13.86	
			For Elevated Installation >40', Add	15.25	
			For Work In Restricted Working Space, Add	8.32	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.32	
26 05 33 13-1312	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	195.41	16.94
			For Elevated Installation >10' To 15', Add	3.39	
			For Elevated Installation >15' To 20', Add	6.78	
			For Elevated Installation >20' To 25', Add	8.47	
			For Elevated Installation >25' To 30', Add	11.86	
			For Elevated Installation >30' To 35', Add	13.55	
			For Elevated Installation >35' To 40', Add	16.94	
			For Elevated Installation >40', Add	18.63	
			For Work In Restricted Working Space, Add	10.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-1313	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	213.78	19.25
			For Elevated Installation >10' To 15', Add	3.85	
			For Elevated Installation >15' To 20', Add	7.70	
			For Elevated Installation >20' To 25', Add	9.63	
			For Elevated Installation >25' To 30', Add	13.48	
			For Elevated Installation >30' To 35', Add	15.40	
			For Elevated Installation >35' To 40', Add	19.25	
			For Elevated Installation >40', Add	21.18	
			For Work In Restricted Working Space, Add	11.55	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-1314	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	226.61	21.56
			For Elevated Installation >10' To 15', Add	4.31	
			For Elevated Installation >15' To 20', Add	8.62	
			For Elevated Installation >20' To 25', Add	10.78	
			For Elevated Installation >25' To 30', Add	15.09	
			For Elevated Installation >30' To 35', Add	17.25	
			For Elevated Installation >35' To 40', Add	21.56	
			For Elevated Installation >40', Add	23.72	
			For Work In Restricted Working Space, Add	12.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.94	

26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions (26 05 33 13-0848)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
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26 05 33 13-1316	EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	104.11	19.25
	For Elevated Installation >10' To 15', Add	3.85	
	For Elevated Installation >15' To 20', Add	7.70	
	For Elevated Installation >20' To 25', Add	9.63	
	For Elevated Installation >25' To 30', Add	13.48	
	For Elevated Installation >30' To 35', Add	15.40	
	For Elevated Installation >35' To 40', Add	19.25	
	For Elevated Installation >40', Add	21.18	
	For Work In Restricted Working Space, Add	11.55	
26 05 33 13-1317	EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	114.55	23.87
	For Elevated Installation >10' To 15', Add	4.77	
	For Elevated Installation >15' To 20', Add	9.55	
	For Elevated Installation >20' To 25', Add	11.94	
	For Elevated Installation >25' To 30', Add	16.71	
	For Elevated Installation >30' To 35', Add	19.10	
	For Elevated Installation >35' To 40', Add	23.87	
	For Elevated Installation >40', Add	26.26	
	For Work In Restricted Working Space, Add	14.32	
26 05 33 13-1318	EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	148.08	29.26
	For Elevated Installation >10' To 15', Add	5.85	
	For Elevated Installation >15' To 20', Add	11.70	
	For Elevated Installation >20' To 25', Add	14.63	
	For Elevated Installation >25' To 30', Add	20.48	
	For Elevated Installation >30' To 35', Add	23.41	
	For Elevated Installation >35' To 40', Add	29.26	
	For Elevated Installation >40', Add	32.19	
	For Work In Restricted Working Space, Add	17.56	
26 05 33 13-1319	EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	211.90	33.88
	For Elevated Installation >10' To 15', Add	6.78	
	For Elevated Installation >15' To 20', Add	13.55	
	For Elevated Installation >20' To 25', Add	16.94	
	For Elevated Installation >25' To 30', Add	23.72	
	For Elevated Installation >30' To 35', Add	27.10	
	For Elevated Installation >35' To 40', Add	33.88	
	For Elevated Installation >40', Add	37.27	
	For Work In Restricted Working Space, Add	20.33	
26 05 33 13-1320	EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	250.86	38.50
	For Elevated Installation >10' To 15', Add	7.70	
	For Elevated Installation >15' To 20', Add	15.40	
	For Elevated Installation >20' To 25', Add	19.25	
	For Elevated Installation >25' To 30', Add	26.95	
	For Elevated Installation >30' To 35', Add	30.80	
	For Elevated Installation >35' To 40', Add	38.50	
	For Elevated Installation >40', Add	42.35	
	For Work In Restricted Working Space, Add	23.10	
26 05 33 13-1321	EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	316.39	42.35
	For Elevated Installation >10' To 15', Add	8.47	
	For Elevated Installation >15' To 20', Add	16.94	
	For Elevated Installation >20' To 25', Add	21.18	
	For Elevated Installation >25' To 30', Add	29.65	
	For Elevated Installation >30' To 35', Add	33.88	
	For Elevated Installation >35' To 40', Add	42.35	
	For Elevated Installation >40', Add	46.59	
	For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1322	EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	419.93	53.13
	For Elevated Installation >10' To 15', Add	10.63	
	For Elevated Installation >15' To 20', Add	21.25	
	For Elevated Installation >20' To 25', Add	26.57	
	For Elevated Installation >25' To 30', Add	37.19	
	For Elevated Installation >30' To 35', Add	42.50	
	For Elevated Installation >35' To 40', Add	53.13	
	For Elevated Installation >40', Add	58.44	
	For Work In Restricted Working Space, Add	31.88	
26 05 33 13-1323	EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	538.70	53.13
	For Elevated Installation >10' To 15', Add	10.63	
	For Elevated Installation >15' To 20', Add	21.25	
	For Elevated Installation >20' To 25', Add	26.57	
	For Elevated Installation >25' To 30', Add	37.19	
	For Elevated Installation >30' To 35', Add	42.50	
	For Elevated Installation >35' To 40', Add	53.13	
	For Elevated Installation >40', Add	58.44	
	For Work In Restricted Working Space, Add	31.88	
26 05 33 13-1324	EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	699.65	81.62
	For Elevated Installation >10' To 15', Add	16.32	
	For Elevated Installation >15' To 20', Add	32.65	
	For Elevated Installation >20' To 25', Add	40.81	
	For Elevated Installation >25' To 30', Add	57.13	
	For Elevated Installation >30' To 35', Add	65.30	
	For Elevated Installation >35' To 40', Add	81.62	
	For Elevated Installation >40', Add	89.78	
	For Work In Restricted Working Space, Add	48.97	
26 05 33 13-1325	EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	901.27	106.26
	For Elevated Installation >10' To 15', Add	21.25	
	For Elevated Installation >15' To 20', Add	42.50	
	For Elevated Installation >20' To 25', Add	53.13	
	For Elevated Installation >25' To 30', Add	74.38	
	For Elevated Installation >30' To 35', Add	85.00	
	For Elevated Installation >35' To 40', Add	106.26	
	For Elevated Installation >40', Add	116.88	
	For Work In Restricted Working Space, Add	63.75	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1326	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,633.88	173.25
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
		For Work In Restricted Working Space, Add	103.95	
26 05 33 13-1327	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	2,053.78	260.26
		For Elevated Installation >10' To 15', Add	52.05	
		For Elevated Installation >15' To 20', Add	104.10	
		For Elevated Installation >20' To 25', Add	130.13	
		For Elevated Installation >25' To 30', Add	182.18	
		For Elevated Installation >30' To 35', Add	208.21	
		For Elevated Installation >35' To 40', Add	260.26	
		For Elevated Installation >40', Add	286.29	
		For Work In Restricted Working Space, Add	156.16	

26 05 33 13-1328 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions (26 05 33 13-0848)

26 05 33 13-1329	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	106.32	19.25
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Work In Restricted Working Space, Add	11.55	
26 05 33 13-1330	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	122.99	23.87
		For Elevated Installation >10' To 15', Add	4.77	
		For Elevated Installation >15' To 20', Add	9.55	
		For Elevated Installation >20' To 25', Add	11.94	
		For Elevated Installation >25' To 30', Add	16.71	
		For Elevated Installation >30' To 35', Add	19.10	
		For Elevated Installation >35' To 40', Add	23.87	
		For Elevated Installation >40', Add	26.26	
		For Work In Restricted Working Space, Add	14.32	
26 05 33 13-1331	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	152.58	29.26
		For Elevated Installation >10' To 15', Add	5.85	
		For Elevated Installation >15' To 20', Add	11.70	
		For Elevated Installation >20' To 25', Add	14.63	
		For Elevated Installation >25' To 30', Add	20.48	
		For Elevated Installation >30' To 35', Add	23.41	
		For Elevated Installation >35' To 40', Add	29.26	
		For Elevated Installation >40', Add	32.19	
		For Work In Restricted Working Space, Add	17.56	
26 05 33 13-1332	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	220.16	33.88
		For Elevated Installation >10' To 15', Add	6.78	
		For Elevated Installation >15' To 20', Add	13.55	
		For Elevated Installation >20' To 25', Add	16.94	
		For Elevated Installation >25' To 30', Add	23.72	
		For Elevated Installation >30' To 35', Add	27.10	
		For Elevated Installation >35' To 40', Add	33.88	
		For Elevated Installation >40', Add	37.27	
		For Work In Restricted Working Space, Add	20.33	
26 05 33 13-1333	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	262.32	38.50
		For Elevated Installation >10' To 15', Add	7.70	
		For Elevated Installation >15' To 20', Add	15.40	
		For Elevated Installation >20' To 25', Add	19.25	
		For Elevated Installation >25' To 30', Add	26.95	
		For Elevated Installation >30' To 35', Add	30.80	
		For Elevated Installation >35' To 40', Add	38.50	
		For Elevated Installation >40', Add	42.35	
		For Work In Restricted Working Space, Add	23.10	
26 05 33 13-1334	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	341.15	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	
26 05 33 13-1335	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	472.91	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1336	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	592.57	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.57	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
26 05 33 13-1337	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	797.04	81.62
		For Elevated Installation >10' To 15', Add	16.32	
		For Elevated Installation >15' To 20', Add	32.65	
		For Elevated Installation >20' To 25', Add	40.81	
		For Elevated Installation >25' To 30', Add	57.13	
		For Elevated Installation >30' To 35', Add	65.30	
		For Elevated Installation >35' To 40', Add	81.62	
		For Elevated Installation >40', Add	89.78	
		For Work In Restricted Working Space, Add	48.97	
26 05 33 13-1338	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	998.31	106.26
		For Elevated Installation >10' To 15', Add	21.25	
		For Elevated Installation >15' To 20', Add	42.50	
		For Elevated Installation >20' To 25', Add	53.13	
		For Elevated Installation >25' To 30', Add	74.38	
		For Elevated Installation >30' To 35', Add	85.00	
		For Elevated Installation >35' To 40', Add	106.26	
		For Elevated Installation >40', Add	116.88	
		For Work In Restricted Working Space, Add	63.75	
26 05 33 13-1339	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,811.76	173.25
		For Elevated Installation >10' To 15', Add	34.65	
		For Elevated Installation >15' To 20', Add	69.30	
		For Elevated Installation >20' To 25', Add	86.63	
		For Elevated Installation >25' To 30', Add	121.28	
		For Elevated Installation >30' To 35', Add	138.60	
		For Elevated Installation >35' To 40', Add	173.25	
		For Elevated Installation >40', Add	190.58	
		For Work In Restricted Working Space, Add	103.95	
26 05 33 13-1340	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	2,340.99	260.26
		For Elevated Installation >10' To 15', Add	52.05	
		For Elevated Installation >15' To 20', Add	104.10	
		For Elevated Installation >20' To 25', Add	130.13	
		For Elevated Installation >25' To 30', Add	182.18	
		For Elevated Installation >30' To 35', Add	208.21	
		For Elevated Installation >35' To 40', Add	260.26	
		For Elevated Installation >40', Add	286.29	
		For Work In Restricted Working Space, Add	156.16	

26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings
(26 05 33 13-0848)

26 05 33 13-1342	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	56.71	6.16
		For Elevated Installation >10' To 15', Add	1.23	
		For Elevated Installation >15' To 20', Add	2.46	
		For Elevated Installation >20' To 25', Add	3.08	
		For Elevated Installation >25' To 30', Add	4.31	
		For Elevated Installation >30' To 35', Add	4.93	
		For Elevated Installation >35' To 40', Add	6.16	
		For Elevated Installation >40', Add	6.78	
		For Work In Restricted Working Space, Add	3.70	
26 05 33 13-1343	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	62.46	7.70
		For Elevated Installation >10' To 15', Add	1.54	
		For Elevated Installation >15' To 20', Add	3.08	
		For Elevated Installation >20' To 25', Add	3.85	
		For Elevated Installation >25' To 30', Add	5.39	
		For Elevated Installation >30' To 35', Add	6.16	
		For Elevated Installation >35' To 40', Add	7.71	
		For Elevated Installation >40', Add	8.48	
		For Work In Restricted Working Space, Add	4.62	
26 05 33 13-1344	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	70.75	7.70
		For Elevated Installation >10' To 15', Add	1.54	
		For Elevated Installation >15' To 20', Add	3.08	
		For Elevated Installation >20' To 25', Add	3.85	
		For Elevated Installation >25' To 30', Add	5.39	
		For Elevated Installation >30' To 35', Add	6.16	
		For Elevated Installation >35' To 40', Add	7.71	
		For Elevated Installation >40', Add	8.48	
		For Work In Restricted Working Space, Add	4.62	
26 05 33 13-1345	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	87.15	8.47
		For Elevated Installation >10' To 15', Add	1.69	
		For Elevated Installation >15' To 20', Add	3.39	
		For Elevated Installation >20' To 25', Add	4.24	
		For Elevated Installation >25' To 30', Add	5.93	
		For Elevated Installation >30' To 35', Add	6.78	
		For Elevated Installation >35' To 40', Add	8.47	
		For Elevated Installation >40', Add	9.32	
		For Work In Restricted Working Space, Add	5.08	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1346 EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	91.93	8.47
For Elevated Installation >10' To 15', Add	1.69	
For Elevated Installation >15' To 20', Add	3.39	
For Elevated Installation >20' To 25', Add	4.24	
For Elevated Installation >25' To 30', Add	5.93	
For Elevated Installation >30' To 35', Add	6.78	
For Elevated Installation >35' To 40', Add	8.47	
For Elevated Installation >40', Add	9.32	
For Work In Restricted Working Space, Add	5.08	
26 05 33 13-1347 EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	79.68	10.01
For Elevated Installation >10' To 15', Add	2.00	
For Elevated Installation >15' To 20', Add	4.00	
For Elevated Installation >20' To 25', Add	5.01	
For Elevated Installation >25' To 30', Add	7.01	
For Elevated Installation >30' To 35', Add	8.01	
For Elevated Installation >35' To 40', Add	10.01	
For Elevated Installation >40', Add	11.01	
For Work In Restricted Working Space, Add	6.01	
26 05 33 13-1348 EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	90.36	10.01
For Elevated Installation >10' To 15', Add	2.00	
For Elevated Installation >15' To 20', Add	4.00	
For Elevated Installation >20' To 25', Add	5.01	
For Elevated Installation >25' To 30', Add	7.01	
For Elevated Installation >30' To 35', Add	8.01	
For Elevated Installation >35' To 40', Add	10.01	
For Elevated Installation >40', Add	11.01	
For Work In Restricted Working Space, Add	6.01	
26 05 33 13-1349 EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	138.38	10.01
For Elevated Installation >10' To 15', Add	2.00	
For Elevated Installation >15' To 20', Add	4.00	
For Elevated Installation >20' To 25', Add	5.01	
For Elevated Installation >25' To 30', Add	7.01	
For Elevated Installation >30' To 35', Add	8.01	
For Elevated Installation >35' To 40', Add	10.01	
For Elevated Installation >40', Add	11.01	
For Work In Restricted Working Space, Add	6.01	
26 05 33 13-1350 EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	153.94	11.55
For Elevated Installation >10' To 15', Add	2.31	
For Elevated Installation >15' To 20', Add	4.62	
For Elevated Installation >20' To 25', Add	5.78	
For Elevated Installation >25' To 30', Add	8.09	
For Elevated Installation >30' To 35', Add	9.24	
For Elevated Installation >35' To 40', Add	11.55	
For Elevated Installation >40', Add	12.71	
For Work In Restricted Working Space, Add	6.93	
26 05 33 13-1351 EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	149.80	11.55
For Elevated Installation >10' To 15', Add	2.31	
For Elevated Installation >15' To 20', Add	4.62	
For Elevated Installation >20' To 25', Add	5.78	
For Elevated Installation >25' To 30', Add	8.09	
For Elevated Installation >30' To 35', Add	9.24	
For Elevated Installation >35' To 40', Add	11.55	
For Elevated Installation >40', Add	12.71	
For Work In Restricted Working Space, Add	6.93	
26 05 33 13-1352 EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	157.50	11.55
For Elevated Installation >10' To 15', Add	2.31	
For Elevated Installation >15' To 20', Add	4.62	
For Elevated Installation >20' To 25', Add	5.78	
For Elevated Installation >25' To 30', Add	8.09	
For Elevated Installation >30' To 35', Add	9.24	
For Elevated Installation >35' To 40', Add	11.55	
For Elevated Installation >40', Add	12.71	
For Work In Restricted Working Space, Add	6.93	
26 05 33 13-1353 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	176.87	11.55
For Elevated Installation >10' To 15', Add	2.31	
For Elevated Installation >15' To 20', Add	4.62	
For Elevated Installation >20' To 25', Add	5.78	
For Elevated Installation >25' To 30', Add	8.09	
For Elevated Installation >30' To 35', Add	9.24	
For Elevated Installation >35' To 40', Add	11.55	
For Elevated Installation >40', Add	12.71	
For Work In Restricted Working Space, Add	6.93	
26 05 33 13-1354 EA 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	176.28	13.86
For Elevated Installation >10' To 15', Add	2.77	
For Elevated Installation >15' To 20', Add	5.54	
For Elevated Installation >20' To 25', Add	6.93	
For Elevated Installation >25' To 30', Add	9.70	
For Elevated Installation >30' To 35', Add	11.09	
For Elevated Installation >35' To 40', Add	13.86	
For Elevated Installation >40', Add	15.25	
For Work In Restricted Working Space, Add	8.32	
26 05 33 13-1355 EA 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	225.19	19.25
For Elevated Installation >10' To 15', Add	3.85	
For Elevated Installation >15' To 20', Add	7.70	
For Elevated Installation >20' To 25', Add	9.63	
For Elevated Installation >25' To 30', Add	13.48	
For Elevated Installation >30' To 35', Add	15.40	
For Elevated Installation >35' To 40', Add	19.25	
For Elevated Installation >40', Add	21.18	
For Work In Restricted Working Space, Add	11.55	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1356	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	330.01	22.33
		For Elevated Installation >10' To 15', Add	4.47	
		For Elevated Installation >15' To 20', Add	8.93	
		For Elevated Installation >20' To 25', Add	11.17	
		For Elevated Installation >25' To 30', Add	15.63	
		For Elevated Installation >30' To 35', Add	17.86	
		For Elevated Installation >35' To 40', Add	22.33	
		For Elevated Installation >40', Add	24.56	
		For Work In Restricted Working Space, Add	13.40	
26 05 33 13-1357	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	441.78	30.80
		For Elevated Installation >10' To 15', Add	6.16	
		For Elevated Installation >15' To 20', Add	12.32	
		For Elevated Installation >20' To 25', Add	15.40	
		For Elevated Installation >25' To 30', Add	21.56	
		For Elevated Installation >30' To 35', Add	24.64	
		For Elevated Installation >35' To 40', Add	30.81	
		For Elevated Installation >40', Add	33.89	
		For Work In Restricted Working Space, Add	18.48	
26 05 33 13-1358	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	553.44	42.35
		For Elevated Installation >10' To 15', Add	8.47	
		For Elevated Installation >15' To 20', Add	16.94	
		For Elevated Installation >20' To 25', Add	21.18	
		For Elevated Installation >25' To 30', Add	29.65	
		For Elevated Installation >30' To 35', Add	33.88	
		For Elevated Installation >35' To 40', Add	42.35	
		For Elevated Installation >40', Add	46.59	
		For Work In Restricted Working Space, Add	25.41	

26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples

(26 05 33 13-0848)

26 05 33 13-1360	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.09	9.24
		For Elevated Installation >10' To 15', Add	1.85	
		For Elevated Installation >15' To 20', Add	3.70	
		For Elevated Installation >20' To 25', Add	4.62	
		For Elevated Installation >25' To 30', Add	6.47	
		For Elevated Installation >30' To 35', Add	7.39	
		For Elevated Installation >35' To 40', Add	9.24	
		For Elevated Installation >40', Add	10.16	
		For Work In Restricted Working Space, Add	5.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 05 33 13-1361	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.05	11.55
		For Elevated Installation >10' To 15', Add	2.31	
		For Elevated Installation >15' To 20', Add	4.62	
		For Elevated Installation >20' To 25', Add	5.77	
		For Elevated Installation >25' To 30', Add	8.08	
		For Elevated Installation >30' To 35', Add	9.24	
		For Elevated Installation >35' To 40', Add	11.55	
		For Elevated Installation >40', Add	12.70	
		For Work In Restricted Working Space, Add	6.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	
26 05 33 13-1362	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.27	14.63
		For Elevated Installation >10' To 15', Add	2.93	
		For Elevated Installation >15' To 20', Add	5.85	
		For Elevated Installation >20' To 25', Add	7.32	
		For Elevated Installation >25' To 30', Add	10.24	
		For Elevated Installation >30' To 35', Add	11.70	
		For Elevated Installation >35' To 40', Add	14.63	
		For Elevated Installation >40', Add	16.09	
		For Work In Restricted Working Space, Add	8.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.78	
26 05 33 13-1363	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.49	16.94
		For Elevated Installation >10' To 15', Add	3.39	
		For Elevated Installation >15' To 20', Add	6.78	
		For Elevated Installation >20' To 25', Add	8.47	
		For Elevated Installation >25' To 30', Add	11.86	
		For Elevated Installation >30' To 35', Add	13.55	
		For Elevated Installation >35' To 40', Add	16.94	
		For Elevated Installation >40', Add	18.63	
		For Work In Restricted Working Space, Add	10.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-1364	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.92	19.25
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Work In Restricted Working Space, Add	11.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1365	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.02	10.01	
		For Elevated Installation >10' To 15', Add	2.00		
		For Elevated Installation >15' To 20', Add	4.00		
		For Elevated Installation >20' To 25', Add	5.01		
		For Elevated Installation >25' To 30', Add	7.01		
		For Elevated Installation >30' To 35', Add	8.01		
		For Elevated Installation >35' To 40', Add	10.01		
		For Elevated Installation >40', Add	11.01		
		For Work In Restricted Working Space, Add	6.01		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.01		
26 05 33 13-1366	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.60	11.55	
		For Elevated Installation >10' To 15', Add	2.31		
		For Elevated Installation >15' To 20', Add	4.62		
		For Elevated Installation >20' To 25', Add	5.77		
		For Elevated Installation >25' To 30', Add	8.08		
		For Elevated Installation >30' To 35', Add	9.24		
		For Elevated Installation >35' To 40', Add	11.55		
		For Elevated Installation >40', Add	12.70		
		For Work In Restricted Working Space, Add	6.93		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93		
26 05 33 13-1367	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.83	14.63	
		For Elevated Installation >10' To 15', Add	2.93		
		For Elevated Installation >15' To 20', Add	5.85		
		For Elevated Installation >20' To 25', Add	7.32		
		For Elevated Installation >25' To 30', Add	10.24		
		For Elevated Installation >30' To 35', Add	11.70		
		For Elevated Installation >35' To 40', Add	14.63		
		For Elevated Installation >40', Add	16.09		
		For Work In Restricted Working Space, Add	8.78		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.78		
26 05 33 13-1368	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	61.21	16.94	
		For Elevated Installation >10' To 15', Add	3.39		
		For Elevated Installation >15' To 20', Add	6.78		
		For Elevated Installation >20' To 25', Add	8.47		
		For Elevated Installation >25' To 30', Add	11.86		
		For Elevated Installation >30' To 35', Add	13.55		
		For Elevated Installation >35' To 40', Add	16.94		
		For Elevated Installation >40', Add	18.63		
		For Work In Restricted Working Space, Add	10.16		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16		
26 05 33 13-1369	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	66.84	19.25	
		For Elevated Installation >10' To 15', Add	3.85		
		For Elevated Installation >15' To 20', Add	7.70		
		For Elevated Installation >20' To 25', Add	9.63		
		For Elevated Installation >25' To 30', Add	13.48		
		For Elevated Installation >30' To 35', Add	15.40		
		For Elevated Installation >35' To 40', Add	19.25		
		For Elevated Installation >40', Add	21.18		
		For Work In Restricted Working Space, Add	11.55		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55		
26 05 33 13-1370	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	72.74	21.56	
		For Elevated Installation >10' To 15', Add	4.31		
		For Elevated Installation >15' To 20', Add	8.62		
		For Elevated Installation >20' To 25', Add	10.78		
		For Elevated Installation >25' To 30', Add	15.09		
		For Elevated Installation >30' To 35', Add	17.25		
		For Elevated Installation >35' To 40', Add	21.56		
		For Elevated Installation >40', Add	23.72		
		For Work In Restricted Working Space, Add	12.94		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.94		
26 05 33 13-1371	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.20	10.01	
		For Elevated Installation >10' To 15', Add	2.00		
		For Elevated Installation >15' To 20', Add	4.00		
		For Elevated Installation >20' To 25', Add	5.01		
		For Elevated Installation >25' To 30', Add	7.01		
		For Elevated Installation >30' To 35', Add	8.01		
		For Elevated Installation >35' To 40', Add	10.01		
		For Elevated Installation >40', Add	11.01		
		For Work In Restricted Working Space, Add	6.01		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.01		
26 05 33 13-1372	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.77	11.55	
		For Elevated Installation >10' To 15', Add	2.31		
		For Elevated Installation >15' To 20', Add	4.62		
		For Elevated Installation >20' To 25', Add	5.77		
		For Elevated Installation >25' To 30', Add	8.08		
		For Elevated Installation >30' To 35', Add	9.24		
		For Elevated Installation >35' To 40', Add	11.55		
		For Elevated Installation >40', Add	12.70		
		For Work In Restricted Working Space, Add	6.93		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93		
26 05 33 13-1373	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	52.16	14.63	
		For Elevated Installation >10' To 15', Add	2.93		
		For Elevated Installation >15' To 20', Add	5.85		
		For Elevated Installation >20' To 25', Add	7.32		
		For Elevated Installation >25' To 30', Add	10.24		
		For Elevated Installation >30' To 35', Add	11.70		
		For Elevated Installation >35' To 40', Add	14.63		
		For Elevated Installation >40', Add	16.09		
		For Work In Restricted Working Space, Add	8.78		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.78		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1374	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	61.56	16.94
		For Elevated Installation >10' To 15', Add	3.39	
		For Elevated Installation >15' To 20', Add	6.78	
		For Elevated Installation >20' To 25', Add	8.47	
		For Elevated Installation >25' To 30', Add	11.86	
		For Elevated Installation >30' To 35', Add	13.55	
		For Elevated Installation >35' To 40', Add	16.94	
		For Elevated Installation >40', Add	18.63	
		For Work In Restricted Working Space, Add	10.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-1375	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	67.20	19.25
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Work In Restricted Working Space, Add	11.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-1376	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	73.64	21.56
		For Elevated Installation >10' To 15', Add	4.31	
		For Elevated Installation >15' To 20', Add	8.62	
		For Elevated Installation >20' To 25', Add	10.78	
		For Elevated Installation >25' To 30', Add	15.09	
		For Elevated Installation >30' To 35', Add	17.24	
		For Elevated Installation >35' To 40', Add	21.56	
		For Elevated Installation >40', Add	23.71	
		For Work In Restricted Working Space, Add	12.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.93	
26 05 33 13-1377	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.61	10.01
		For Elevated Installation >10' To 15', Add	2.00	
		For Elevated Installation >15' To 20', Add	4.00	
		For Elevated Installation >20' To 25', Add	5.01	
		For Elevated Installation >25' To 30', Add	7.01	
		For Elevated Installation >30' To 35', Add	8.01	
		For Elevated Installation >35' To 40', Add	10.01	
		For Elevated Installation >40', Add	11.01	
		For Work In Restricted Working Space, Add	6.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.01	
26 05 33 13-1378	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.19	11.55
		For Elevated Installation >10' To 15', Add	2.31	
		For Elevated Installation >15' To 20', Add	4.62	
		For Elevated Installation >20' To 25', Add	5.77	
		For Elevated Installation >25' To 30', Add	8.08	
		For Elevated Installation >30' To 35', Add	9.24	
		For Elevated Installation >35' To 40', Add	11.55	
		For Elevated Installation >40', Add	12.70	
		For Work In Restricted Working Space, Add	6.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	
26 05 33 13-1379	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.76	14.63
		For Elevated Installation >10' To 15', Add	2.93	
		For Elevated Installation >15' To 20', Add	5.85	
		For Elevated Installation >20' To 25', Add	7.32	
		For Elevated Installation >25' To 30', Add	10.24	
		For Elevated Installation >30' To 35', Add	11.70	
		For Elevated Installation >35' To 40', Add	14.63	
		For Elevated Installation >40', Add	16.09	
		For Work In Restricted Working Space, Add	8.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.78	
26 05 33 13-1380	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.04	16.94
		For Elevated Installation >10' To 15', Add	3.39	
		For Elevated Installation >15' To 20', Add	6.78	
		For Elevated Installation >20' To 25', Add	8.47	
		For Elevated Installation >25' To 30', Add	11.86	
		For Elevated Installation >30' To 35', Add	13.55	
		For Elevated Installation >35' To 40', Add	16.94	
		For Elevated Installation >40', Add	18.63	
		For Work In Restricted Working Space, Add	10.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-1381	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	68.83	19.25
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Work In Restricted Working Space, Add	11.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-1382	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	76.49	21.56
		For Elevated Installation >10' To 15', Add	4.31	
		For Elevated Installation >15' To 20', Add	8.62	
		For Elevated Installation >20' To 25', Add	10.78	
		For Elevated Installation >25' To 30', Add	15.09	
		For Elevated Installation >30' To 35', Add	17.24	
		For Elevated Installation >35' To 40', Add	21.56	
		For Elevated Installation >40', Add	23.71	
		For Work In Restricted Working Space, Add	12.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1383	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	105.33	26.18	
		For Elevated Installation >10' To 15', Add	5.24		
		For Elevated Installation >15' To 20', Add	10.47		
		For Elevated Installation >20' To 25', Add	13.09		
		For Elevated Installation >25' To 30', Add	18.32		
		For Elevated Installation >30' To 35', Add	20.94		
		For Elevated Installation >35' To 40', Add	26.18		
		For Elevated Installation >40', Add	28.79		
		For Work In Restricted Working Space, Add	15.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.71		
26 05 33 13-1384	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	137.19	36.19	
		For Elevated Installation >10' To 15', Add	7.24		
		For Elevated Installation >15' To 20', Add	14.47		
		For Elevated Installation >20' To 25', Add	18.09		
		For Elevated Installation >25' To 30', Add	25.33		
		For Elevated Installation >30' To 35', Add	28.95		
		For Elevated Installation >35' To 40', Add	36.19		
		For Elevated Installation >40', Add	39.80		
		For Work In Restricted Working Space, Add	21.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.71		
26 05 33 13-1385	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.79	10.01	
		For Elevated Installation >10' To 15', Add	2.00		
		For Elevated Installation >15' To 20', Add	4.00		
		For Elevated Installation >20' To 25', Add	5.01		
		For Elevated Installation >25' To 30', Add	7.01		
		For Elevated Installation >30' To 35', Add	8.01		
		For Elevated Installation >35' To 40', Add	10.01		
		For Elevated Installation >40', Add	11.01		
		For Work In Restricted Working Space, Add	6.01		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.01		
26 05 33 13-1386	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.52	11.55	
		For Elevated Installation >10' To 15', Add	2.31		
		For Elevated Installation >15' To 20', Add	4.62		
		For Elevated Installation >20' To 25', Add	5.77		
		For Elevated Installation >25' To 30', Add	8.08		
		For Elevated Installation >30' To 35', Add	9.24		
		For Elevated Installation >35' To 40', Add	11.55		
		For Elevated Installation >40', Add	12.70		
		For Work In Restricted Working Space, Add	6.93		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93		
26 05 33 13-1387	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.11	14.63	
		For Elevated Installation >10' To 15', Add	2.93		
		For Elevated Installation >15' To 20', Add	5.85		
		For Elevated Installation >20' To 25', Add	7.32		
		For Elevated Installation >25' To 30', Add	10.24		
		For Elevated Installation >30' To 35', Add	11.70		
		For Elevated Installation >35' To 40', Add	14.63		
		For Elevated Installation >40', Add	16.09		
		For Work In Restricted Working Space, Add	8.78		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.78		
26 05 33 13-1388	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.51	16.94	
		For Elevated Installation >10' To 15', Add	3.39		
		For Elevated Installation >15' To 20', Add	6.78		
		For Elevated Installation >20' To 25', Add	8.47		
		For Elevated Installation >25' To 30', Add	11.66		
		For Elevated Installation >30' To 35', Add	13.55		
		For Elevated Installation >35' To 40', Add	16.94		
		For Elevated Installation >40', Add	18.63		
		For Work In Restricted Working Space, Add	10.16		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16		
26 05 33 13-1389	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	70.45	19.25	
		For Elevated Installation >10' To 15', Add	3.85		
		For Elevated Installation >15' To 20', Add	7.70		
		For Elevated Installation >20' To 25', Add	9.63		
		For Elevated Installation >25' To 30', Add	13.48		
		For Elevated Installation >30' To 35', Add	15.40		
		For Elevated Installation >35' To 40', Add	19.25		
		For Elevated Installation >40', Add	21.18		
		For Work In Restricted Working Space, Add	11.55		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55		
26 05 33 13-1390	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	79.34	21.56	
		For Elevated Installation >10' To 15', Add	4.31		
		For Elevated Installation >15' To 20', Add	8.62		
		For Elevated Installation >20' To 25', Add	10.78		
		For Elevated Installation >25' To 30', Add	15.09		
		For Elevated Installation >30' To 35', Add	17.24		
		For Elevated Installation >35' To 40', Add	21.56		
		For Elevated Installation >40', Add	23.71		
		For Work In Restricted Working Space, Add	12.93		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.93		
26 05 33 13-1391	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	107.84	26.18	
		For Elevated Installation >10' To 15', Add	5.24		
		For Elevated Installation >15' To 20', Add	10.47		
		For Elevated Installation >20' To 25', Add	13.09		
		For Elevated Installation >25' To 30', Add	18.32		
		For Elevated Installation >30' To 35', Add	20.94		
		For Elevated Installation >35' To 40', Add	26.18		
		For Elevated Installation >40', Add	28.79		
		For Work In Restricted Working Space, Add	15.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.71		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1392	EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	142.61		36.19
	For Elevated Installation >10' To 15', Add	7.24		
	For Elevated Installation >15' To 20', Add	14.47		
	For Elevated Installation >20' To 25', Add	18.09		
	For Elevated Installation >25' To 30', Add	25.33		
	For Elevated Installation >30' To 35', Add	28.95		
	For Elevated Installation >35' To 40', Add	36.19		
	For Elevated Installation >40', Add	39.80		
	For Work In Restricted Working Space, Add	21.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.71		
26 05 33 13-1393	EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	169.21		40.81
	For Elevated Installation >10' To 15', Add	8.16		
	For Elevated Installation >15' To 20', Add	16.32		
	For Elevated Installation >20' To 25', Add	20.40		
	For Elevated Installation >25' To 30', Add	28.56		
	For Elevated Installation >30' To 35', Add	32.64		
	For Elevated Installation >35' To 40', Add	40.81		
	For Elevated Installation >40', Add	44.89		
	For Work In Restricted Working Space, Add	24.48		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.48		
26 05 33 13-1394	EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	199.98		53.13
	For Elevated Installation >10' To 15', Add	10.63		
	For Elevated Installation >15' To 20', Add	21.25		
	For Elevated Installation >20' To 25', Add	26.56		
	For Elevated Installation >25' To 30', Add	37.19		
	For Elevated Installation >30' To 35', Add	42.50		
	For Elevated Installation >35' To 40', Add	53.13		
	For Elevated Installation >40', Add	58.44		
	For Work In Restricted Working Space, Add	31.88		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88		
26 05 33 13-1395	EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.12		10.01
	For Elevated Installation >10' To 15', Add	2.00		
	For Elevated Installation >15' To 20', Add	4.00		
	For Elevated Installation >20' To 25', Add	5.01		
	For Elevated Installation >25' To 30', Add	7.01		
	For Elevated Installation >30' To 35', Add	8.01		
	For Elevated Installation >35' To 40', Add	10.01		
	For Elevated Installation >40', Add	11.01		
	For Work In Restricted Working Space, Add	6.01		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.01		
26 05 33 13-1396	EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	47.88		11.55
	For Elevated Installation >10' To 15', Add	2.31		
	For Elevated Installation >15' To 20', Add	4.62		
	For Elevated Installation >20' To 25', Add	5.77		
	For Elevated Installation >25' To 30', Add	8.08		
	For Elevated Installation >30' To 35', Add	9.24		
	For Elevated Installation >35' To 40', Add	11.55		
	For Elevated Installation >40', Add	12.70		
	For Work In Restricted Working Space, Add	6.93		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93		
26 05 33 13-1397	EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.49		14.63
	For Elevated Installation >10' To 15', Add	2.93		
	For Elevated Installation >15' To 20', Add	5.85		
	For Elevated Installation >20' To 25', Add	7.32		
	For Elevated Installation >25' To 30', Add	10.24		
	For Elevated Installation >30' To 35', Add	11.70		
	For Elevated Installation >35' To 40', Add	14.63		
	For Elevated Installation >40', Add	16.09		
	For Work In Restricted Working Space, Add	8.78		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.78		
26 05 33 13-1398	EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.20		16.94
	For Elevated Installation >10' To 15', Add	3.39		
	For Elevated Installation >15' To 20', Add	6.78		
	For Elevated Installation >20' To 25', Add	8.47		
	For Elevated Installation >25' To 30', Add	11.86		
	For Elevated Installation >30' To 35', Add	13.55		
	For Elevated Installation >35' To 40', Add	16.94		
	For Elevated Installation >40', Add	18.63		
	For Work In Restricted Working Space, Add	10.16		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16		
26 05 33 13-1399	EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.17		19.25
	For Elevated Installation >10' To 15', Add	3.85		
	For Elevated Installation >15' To 20', Add	7.70		
	For Elevated Installation >20' To 25', Add	9.63		
	For Elevated Installation >25' To 30', Add	13.48		
	For Elevated Installation >30' To 35', Add	15.40		
	For Elevated Installation >35' To 40', Add	19.25		
	For Elevated Installation >40', Add	21.18		
	For Work In Restricted Working Space, Add	11.55		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55		
26 05 33 13-1400	EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	80.89		21.56
	For Elevated Installation >10' To 15', Add	4.31		
	For Elevated Installation >15' To 20', Add	8.62		
	For Elevated Installation >20' To 25', Add	10.78		
	For Elevated Installation >25' To 30', Add	15.09		
	For Elevated Installation >30' To 35', Add	17.24		
	For Elevated Installation >35' To 40', Add	21.56		
	For Elevated Installation >40', Add	23.71		
	For Work In Restricted Working Space, Add	12.93		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.93		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1401	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	117.86	26.18	
		For Elevated Installation >10' To 15', Add	5.24		
		For Elevated Installation >15' To 20', Add	10.47		
		For Elevated Installation >20' To 25', Add	13.09		
		For Elevated Installation >25' To 30', Add	18.32		
		For Elevated Installation >30' To 35', Add	20.94		
		For Elevated Installation >35' To 40', Add	26.18		
		For Elevated Installation >40', Add	28.79		
		For Work In Restricted Working Space, Add	15.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.71		
26 05 33 13-1402	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	150.72	36.19	
		For Elevated Installation >10' To 15', Add	7.24		
		For Elevated Installation >15' To 20', Add	14.47		
		For Elevated Installation >20' To 25', Add	18.09		
		For Elevated Installation >25' To 30', Add	25.33		
		For Elevated Installation >30' To 35', Add	28.95		
		For Elevated Installation >35' To 40', Add	36.19		
		For Elevated Installation >40', Add	39.80		
		For Work In Restricted Working Space, Add	21.71		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.71		
26 05 33 13-1403	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	170.94	40.81	
		For Elevated Installation >10' To 15', Add	8.16		
		For Elevated Installation >15' To 20', Add	16.32		
		For Elevated Installation >20' To 25', Add	20.40		
		For Elevated Installation >25' To 30', Add	28.56		
		For Elevated Installation >30' To 35', Add	32.64		
		For Elevated Installation >35' To 40', Add	40.81		
		For Elevated Installation >40', Add	44.89		
		For Work In Restricted Working Space, Add	24.48		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.48		
26 05 33 13-1404	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	204.60	53.13	
		For Elevated Installation >10' To 15', Add	10.63		
		For Elevated Installation >15' To 20', Add	21.25		
		For Elevated Installation >20' To 25', Add	26.56		
		For Elevated Installation >25' To 30', Add	37.19		
		For Elevated Installation >30' To 35', Add	42.50		
		For Elevated Installation >35' To 40', Add	53.13		
		For Elevated Installation >40', Add	58.44		
		For Work In Restricted Working Space, Add	31.88		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88		
26 05 33 13-1405	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	299.28	73.15	
		For Elevated Installation >10' To 15', Add	14.63		
		For Elevated Installation >15' To 20', Add	29.26		
		For Elevated Installation >20' To 25', Add	36.57		
		For Elevated Installation >25' To 30', Add	51.20		
		For Elevated Installation >30' To 35', Add	58.52		
		For Elevated Installation >35' To 40', Add	73.15		
		For Elevated Installation >40', Add	80.46		
		For Work In Restricted Working Space, Add	43.89		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.89		
26 05 33 13-1406	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.75	10.01	
		For Elevated Installation >10' To 15', Add	2.00		
		For Elevated Installation >15' To 20', Add	4.00		
		For Elevated Installation >20' To 25', Add	5.01		
		For Elevated Installation >25' To 30', Add	7.01		
		For Elevated Installation >30' To 35', Add	8.01		
		For Elevated Installation >35' To 40', Add	10.01		
		For Elevated Installation >40', Add	11.01		
		For Work In Restricted Working Space, Add	6.01		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.01		
26 05 33 13-1407	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.51	11.55	
		For Elevated Installation >10' To 15', Add	2.31		
		For Elevated Installation >15' To 20', Add	4.62		
		For Elevated Installation >20' To 25', Add	5.77		
		For Elevated Installation >25' To 30', Add	8.08		
		For Elevated Installation >30' To 35', Add	9.24		
		For Elevated Installation >35' To 40', Add	11.55		
		For Elevated Installation >40', Add	12.70		
		For Work In Restricted Working Space, Add	6.93		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93		
26 05 33 13-1408	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.18	14.63	
		For Elevated Installation >10' To 15', Add	2.93		
		For Elevated Installation >15' To 20', Add	5.85		
		For Elevated Installation >20' To 25', Add	7.32		
		For Elevated Installation >25' To 30', Add	10.24		
		For Elevated Installation >30' To 35', Add	11.70		
		For Elevated Installation >35' To 40', Add	14.63		
		For Elevated Installation >40', Add	16.09		
		For Work In Restricted Working Space, Add	8.78		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.78		
26 05 33 13-1409	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	66.47	16.94	
		For Elevated Installation >10' To 15', Add	3.39		
		For Elevated Installation >15' To 20', Add	6.78		
		For Elevated Installation >20' To 25', Add	8.47		
		For Elevated Installation >25' To 30', Add	11.86		
		For Elevated Installation >30' To 35', Add	13.55		
		For Elevated Installation >35' To 40', Add	16.94		
		For Elevated Installation >40', Add	18.63		
		For Work In Restricted Working Space, Add	10.16		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1410	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.69	19.25
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Work In Restricted Working Space, Add	11.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-1411	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	82.44	21.56
		For Elevated Installation >10' To 15', Add	4.31	
		For Elevated Installation >15' To 20', Add	8.62	
		For Elevated Installation >20' To 25', Add	10.78	
		For Elevated Installation >25' To 30', Add	15.09	
		For Elevated Installation >30' To 35', Add	17.24	
		For Elevated Installation >35' To 40', Add	21.56	
		For Elevated Installation >40', Add	23.71	
		For Work In Restricted Working Space, Add	12.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.93	
26 05 33 13-1412	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	128.03	26.18
		For Elevated Installation >10' To 15', Add	5.24	
		For Elevated Installation >15' To 20', Add	10.47	
		For Elevated Installation >20' To 25', Add	13.09	
		For Elevated Installation >25' To 30', Add	18.32	
		For Elevated Installation >30' To 35', Add	20.94	
		For Elevated Installation >35' To 40', Add	26.18	
		For Elevated Installation >40', Add	28.79	
		For Work In Restricted Working Space, Add	15.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.71	
26 05 33 13-1413	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	161.50	36.19
		For Elevated Installation >10' To 15', Add	7.24	
		For Elevated Installation >15' To 20', Add	14.47	
		For Elevated Installation >20' To 25', Add	18.09	
		For Elevated Installation >25' To 30', Add	25.33	
		For Elevated Installation >30' To 35', Add	28.95	
		For Elevated Installation >35' To 40', Add	36.19	
		For Elevated Installation >40', Add	39.80	
		For Work In Restricted Working Space, Add	21.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.71	
26 05 33 13-1414	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	180.65	40.81
		For Elevated Installation >10' To 15', Add	8.16	
		For Elevated Installation >15' To 20', Add	16.32	
		For Elevated Installation >20' To 25', Add	20.40	
		For Elevated Installation >25' To 30', Add	28.56	
		For Elevated Installation >30' To 35', Add	32.64	
		For Elevated Installation >35' To 40', Add	40.81	
		For Elevated Installation >40', Add	44.89	
		For Work In Restricted Working Space, Add	24.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.48	
26 05 33 13-1415	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	220.98	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.56	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	
26 05 33 13-1416	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	323.76	73.15
		For Elevated Installation >10' To 15', Add	14.63	
		For Elevated Installation >15' To 20', Add	29.26	
		For Elevated Installation >20' To 25', Add	36.57	
		For Elevated Installation >25' To 30', Add	51.20	
		For Elevated Installation >30' To 35', Add	58.52	
		For Elevated Installation >35' To 40', Add	73.15	
		For Elevated Installation >40', Add	80.46	
		For Work In Restricted Working Space, Add	43.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.89	
26 05 33 13-1417	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.75	10.01
		For Elevated Installation >10' To 15', Add	2.00	
		For Elevated Installation >15' To 20', Add	4.00	
		For Elevated Installation >20' To 25', Add	5.01	
		For Elevated Installation >25' To 30', Add	7.01	
		For Elevated Installation >30' To 35', Add	8.01	
		For Elevated Installation >35' To 40', Add	10.01	
		For Elevated Installation >40', Add	11.01	
		For Work In Restricted Working Space, Add	6.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.01	
26 05 33 13-1418	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.48	11.55
		For Elevated Installation >10' To 15', Add	2.31	
		For Elevated Installation >15' To 20', Add	4.62	
		For Elevated Installation >20' To 25', Add	5.77	
		For Elevated Installation >25' To 30', Add	8.08	
		For Elevated Installation >30' To 35', Add	9.24	
		For Elevated Installation >35' To 40', Add	11.55	
		For Elevated Installation >40', Add	12.70	
		For Work In Restricted Working Space, Add	6.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1419 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	57.71	14.63
For Elevated Installation >10' To 15', Add	2.93	
For Elevated Installation >15' To 20', Add	5.85	
For Elevated Installation >20' To 25', Add	7.32	
For Elevated Installation >25' To 30', Add	10.24	
For Elevated Installation >30' To 35', Add	11.70	
For Elevated Installation >35' To 40', Add	14.63	
For Elevated Installation >40', Add	16.09	
For Work In Restricted Working Space, Add	8.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.78	
26 05 33 13-1420 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	66.80	16.94
For Elevated Installation >10' To 15', Add	3.39	
For Elevated Installation >15' To 20', Add	6.78	
For Elevated Installation >20' To 25', Add	8.47	
For Elevated Installation >25' To 30', Add	11.86	
For Elevated Installation >30' To 35', Add	13.55	
For Elevated Installation >35' To 40', Add	16.94	
For Elevated Installation >40', Add	18.63	
For Work In Restricted Working Space, Add	10.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-1421 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	75.79	19.25
For Elevated Installation >10' To 15', Add	3.85	
For Elevated Installation >15' To 20', Add	7.70	
For Elevated Installation >20' To 25', Add	9.63	
For Elevated Installation >25' To 30', Add	13.48	
For Elevated Installation >30' To 35', Add	15.40	
For Elevated Installation >35' To 40', Add	19.25	
For Elevated Installation >40', Add	21.18	
For Work In Restricted Working Space, Add	11.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-1422 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	90.01	21.56
For Elevated Installation >10' To 15', Add	4.31	
For Elevated Installation >15' To 20', Add	8.62	
For Elevated Installation >20' To 25', Add	10.78	
For Elevated Installation >25' To 30', Add	15.09	
For Elevated Installation >30' To 35', Add	17.24	
For Elevated Installation >35' To 40', Add	21.56	
For Elevated Installation >40', Add	23.71	
For Work In Restricted Working Space, Add	12.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.93	
26 05 33 13-1423 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	140.54	26.18
For Elevated Installation >10' To 15', Add	5.24	
For Elevated Installation >15' To 20', Add	10.47	
For Elevated Installation >20' To 25', Add	13.09	
For Elevated Installation >25' To 30', Add	18.32	
For Elevated Installation >30' To 35', Add	20.94	
For Elevated Installation >35' To 40', Add	26.18	
For Elevated Installation >40', Add	28.79	
For Work In Restricted Working Space, Add	15.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.71	
26 05 33 13-1424 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	176.24	36.19
For Elevated Installation >10' To 15', Add	7.24	
For Elevated Installation >15' To 20', Add	14.47	
For Elevated Installation >20' To 25', Add	18.09	
For Elevated Installation >25' To 30', Add	25.33	
For Elevated Installation >30' To 35', Add	28.95	
For Elevated Installation >35' To 40', Add	36.19	
For Elevated Installation >40', Add	39.80	
For Work In Restricted Working Space, Add	21.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.71	
26 05 33 13-1425 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	204.95	40.81
For Elevated Installation >10' To 15', Add	8.16	
For Elevated Installation >15' To 20', Add	16.32	
For Elevated Installation >20' To 25', Add	20.40	
For Elevated Installation >25' To 30', Add	28.56	
For Elevated Installation >30' To 35', Add	32.64	
For Elevated Installation >35' To 40', Add	40.81	
For Elevated Installation >40', Add	44.89	
For Work In Restricted Working Space, Add	24.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.48	
26 05 33 13-1426 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	245.56	53.13
For Elevated Installation >10' To 15', Add	10.63	
For Elevated Installation >15' To 20', Add	21.25	
For Elevated Installation >20' To 25', Add	26.56	
For Elevated Installation >25' To 30', Add	37.19	
For Elevated Installation >30' To 35', Add	42.50	
For Elevated Installation >35' To 40', Add	53.13	
For Elevated Installation >40', Add	58.44	
For Work In Restricted Working Space, Add	31.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	
26 05 33 13-1427 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	340.53	73.15
For Elevated Installation >10' To 15', Add	14.63	
For Elevated Installation >15' To 20', Add	29.26	
For Elevated Installation >20' To 25', Add	36.57	
For Elevated Installation >25' To 30', Add	51.20	
For Elevated Installation >30' To 35', Add	58.52	
For Elevated Installation >35' To 40', Add	73.15	
For Elevated Installation >40', Add	80.46	
For Work In Restricted Working Space, Add	43.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.89	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1428	EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.79		10.01
	For Elevated Installation >10' To 15', Add	2.00		
	For Elevated Installation >15' To 20', Add	4.00		
	For Elevated Installation >20' To 25', Add	5.01		
	For Elevated Installation >25' To 30', Add	7.01		
	For Elevated Installation >30' To 35', Add	8.01		
	For Elevated Installation >35' To 40', Add	10.01		
	For Elevated Installation >40', Add	11.01		
	For Work In Restricted Working Space, Add	6.01		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.01		
26 05 33 13-1429	EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	50.49		11.55
	For Elevated Installation >10' To 15', Add	2.31		
	For Elevated Installation >15' To 20', Add	4.62		
	For Elevated Installation >20' To 25', Add	5.77		
	For Elevated Installation >25' To 30', Add	8.08		
	For Elevated Installation >30' To 35', Add	9.24		
	For Elevated Installation >35' To 40', Add	11.55		
	For Elevated Installation >40', Add	12.70		
	For Work In Restricted Working Space, Add	6.93		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93		
26 05 33 13-1430	EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.21		14.63
	For Elevated Installation >10' To 15', Add	2.93		
	For Elevated Installation >15' To 20', Add	5.85		
	For Elevated Installation >20' To 25', Add	7.32		
	For Elevated Installation >25' To 30', Add	10.24		
	For Elevated Installation >30' To 35', Add	11.70		
	For Elevated Installation >35' To 40', Add	14.63		
	For Elevated Installation >40', Add	16.09		
	For Work In Restricted Working Space, Add	8.78		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.78		
26 05 33 13-1431	EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.38		16.94
	For Elevated Installation >10' To 15', Add	3.39		
	For Elevated Installation >15' To 20', Add	6.78		
	For Elevated Installation >20' To 25', Add	8.47		
	For Elevated Installation >25' To 30', Add	11.86		
	For Elevated Installation >30' To 35', Add	13.55		
	For Elevated Installation >35' To 40', Add	16.94		
	For Elevated Installation >40', Add	18.63		
	For Work In Restricted Working Space, Add	10.16		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16		
26 05 33 13-1432	EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	83.17		19.25
	For Elevated Installation >10' To 15', Add	3.85		
	For Elevated Installation >15' To 20', Add	7.70		
	For Elevated Installation >20' To 25', Add	9.63		
	For Elevated Installation >25' To 30', Add	13.48		
	For Elevated Installation >30' To 35', Add	15.40		
	For Elevated Installation >35' To 40', Add	19.25		
	For Elevated Installation >40', Add	21.18		
	For Work In Restricted Working Space, Add	11.55		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55		
26 05 33 13-1433	EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	101.15		21.56
	For Elevated Installation >10' To 15', Add	4.31		
	For Elevated Installation >15' To 20', Add	8.62		
	For Elevated Installation >20' To 25', Add	10.78		
	For Elevated Installation >25' To 30', Add	15.09		
	For Elevated Installation >30' To 35', Add	17.24		
	For Elevated Installation >35' To 40', Add	21.56		
	For Elevated Installation >40', Add	23.71		
	For Work In Restricted Working Space, Add	12.93		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.93		
26 05 33 13-1434	EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	153.76		26.18
	For Elevated Installation >10' To 15', Add	5.24		
	For Elevated Installation >15' To 20', Add	10.47		
	For Elevated Installation >20' To 25', Add	13.09		
	For Elevated Installation >25' To 30', Add	18.32		
	For Elevated Installation >30' To 35', Add	20.94		
	For Elevated Installation >35' To 40', Add	26.18		
	For Elevated Installation >40', Add	28.79		
	For Work In Restricted Working Space, Add	15.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.71		
26 05 33 13-1435	EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	195.13		36.19
	For Elevated Installation >10' To 15', Add	7.24		
	For Elevated Installation >15' To 20', Add	14.47		
	For Elevated Installation >20' To 25', Add	18.09		
	For Elevated Installation >25' To 30', Add	25.33		
	For Elevated Installation >30' To 35', Add	28.95		
	For Elevated Installation >35' To 40', Add	36.19		
	For Elevated Installation >40', Add	39.80		
	For Work In Restricted Working Space, Add	21.71		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.71		
26 05 33 13-1436	EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	230.48		40.81
	For Elevated Installation >10' To 15', Add	8.16		
	For Elevated Installation >15' To 20', Add	16.32		
	For Elevated Installation >20' To 25', Add	20.40		
	For Elevated Installation >25' To 30', Add	28.56		
	For Elevated Installation >30' To 35', Add	32.64		
	For Elevated Installation >35' To 40', Add	40.81		
	For Elevated Installation >40', Add	44.89		
	For Work In Restricted Working Space, Add	24.48		
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.48		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1437	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	288.57	53.13
		For Elevated Installation >10' To 15', Add	10.63	
		For Elevated Installation >15' To 20', Add	21.25	
		For Elevated Installation >20' To 25', Add	26.56	
		For Elevated Installation >25' To 30', Add	37.19	
		For Elevated Installation >30' To 35', Add	42.50	
		For Elevated Installation >35' To 40', Add	53.13	
		For Elevated Installation >40', Add	58.44	
		For Work In Restricted Working Space, Add	31.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	
26 05 33 13-1438	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	374.01	73.15
		For Elevated Installation >10' To 15', Add	14.63	
		For Elevated Installation >15' To 20', Add	29.26	
		For Elevated Installation >20' To 25', Add	36.57	
		For Elevated Installation >25' To 30', Add	51.20	
		For Elevated Installation >30' To 35', Add	58.52	
		For Elevated Installation >35' To 40', Add	73.15	
		For Elevated Installation >40', Add	80.46	
		For Work In Restricted Working Space, Add	43.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.89	
26 05 33 13-1439	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.86	10.01
		For Elevated Installation >10' To 15', Add	2.00	
		For Elevated Installation >15' To 20', Add	4.00	
		For Elevated Installation >20' To 25', Add	5.01	
		For Elevated Installation >25' To 30', Add	7.01	
		For Elevated Installation >30' To 35', Add	8.01	
		For Elevated Installation >35' To 40', Add	10.01	
		For Elevated Installation >40', Add	11.01	
		For Work In Restricted Working Space, Add	6.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.01	
26 05 33 13-1440	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.69	11.55
		For Elevated Installation >10' To 15', Add	2.31	
		For Elevated Installation >15' To 20', Add	4.62	
		For Elevated Installation >20' To 25', Add	5.77	
		For Elevated Installation >25' To 30', Add	8.08	
		For Elevated Installation >30' To 35', Add	9.24	
		For Elevated Installation >35' To 40', Add	11.55	
		For Elevated Installation >40', Add	12.70	
		For Work In Restricted Working Space, Add	6.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	
26 05 33 13-1441	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.02	14.63
		For Elevated Installation >10' To 15', Add	2.93	
		For Elevated Installation >15' To 20', Add	5.85	
		For Elevated Installation >20' To 25', Add	7.32	
		For Elevated Installation >25' To 30', Add	10.24	
		For Elevated Installation >30' To 35', Add	11.70	
		For Elevated Installation >35' To 40', Add	14.63	
		For Elevated Installation >40', Add	16.09	
		For Work In Restricted Working Space, Add	8.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.78	
26 05 33 13-1442	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	78.90	16.94
		For Elevated Installation >10' To 15', Add	3.39	
		For Elevated Installation >15' To 20', Add	6.78	
		For Elevated Installation >20' To 25', Add	8.47	
		For Elevated Installation >25' To 30', Add	11.66	
		For Elevated Installation >30' To 35', Add	13.55	
		For Elevated Installation >35' To 40', Add	16.94	
		For Elevated Installation >40', Add	18.63	
		For Work In Restricted Working Space, Add	10.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-1443	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	92.09	19.25
		For Elevated Installation >10' To 15', Add	3.85	
		For Elevated Installation >15' To 20', Add	7.70	
		For Elevated Installation >20' To 25', Add	9.63	
		For Elevated Installation >25' To 30', Add	13.48	
		For Elevated Installation >30' To 35', Add	15.40	
		For Elevated Installation >35' To 40', Add	19.25	
		For Elevated Installation >40', Add	21.18	
		For Work In Restricted Working Space, Add	11.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.55	
26 05 33 13-1444	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	110.09	21.56
		For Elevated Installation >10' To 15', Add	4.31	
		For Elevated Installation >15' To 20', Add	8.62	
		For Elevated Installation >20' To 25', Add	10.78	
		For Elevated Installation >25' To 30', Add	15.09	
		For Elevated Installation >30' To 35', Add	17.24	
		For Elevated Installation >35' To 40', Add	21.56	
		For Elevated Installation >40', Add	23.71	
		For Work In Restricted Working Space, Add	12.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.93	
26 05 33 13-1445	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	171.40	26.18
		For Elevated Installation >10' To 15', Add	5.24	
		For Elevated Installation >15' To 20', Add	10.47	
		For Elevated Installation >20' To 25', Add	13.09	
		For Elevated Installation >25' To 30', Add	18.32	
		For Elevated Installation >30' To 35', Add	20.94	
		For Elevated Installation >35' To 40', Add	26.18	
		For Elevated Installation >40', Add	28.79	
		For Work In Restricted Working Space, Add	15.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.71	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1446	EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	223.45	36.19
	For Elevated Installation >10' To 15', Add	7.24	
	For Elevated Installation >15' To 20', Add	14.47	
	For Elevated Installation >20' To 25', Add	18.09	
	For Elevated Installation >25' To 30', Add	25.33	
	For Elevated Installation >30' To 35', Add	28.95	
	For Elevated Installation >35' To 40', Add	36.19	
	For Elevated Installation >40', Add	39.80	
	For Work In Restricted Working Space, Add	21.71	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.71	
26 05 33 13-1447	EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	246.14	40.81
	For Elevated Installation >10' To 15', Add	8.16	
	For Elevated Installation >15' To 20', Add	16.32	
	For Elevated Installation >20' To 25', Add	20.40	
	For Elevated Installation >25' To 30', Add	28.56	
	For Elevated Installation >30' To 35', Add	32.64	
	For Elevated Installation >35' To 40', Add	40.81	
	For Elevated Installation >40', Add	44.89	
	For Work In Restricted Working Space, Add	24.48	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.48	
26 05 33 13-1448	EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	301.77	53.13
	For Elevated Installation >10' To 15', Add	10.63	
	For Elevated Installation >15' To 20', Add	21.25	
	For Elevated Installation >20' To 25', Add	26.56	
	For Elevated Installation >25' To 30', Add	37.19	
	For Elevated Installation >30' To 35', Add	42.50	
	For Elevated Installation >35' To 40', Add	53.13	
	For Elevated Installation >40', Add	58.44	
	For Work In Restricted Working Space, Add	31.88	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.88	
26 05 33 13-1449	EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	378.79	73.15
	For Elevated Installation >10' To 15', Add	14.63	
	For Elevated Installation >15' To 20', Add	29.26	
	For Elevated Installation >20' To 25', Add	36.57	
	For Elevated Installation >25' To 30', Add	51.20	
	For Elevated Installation >30' To 35', Add	58.52	
	For Elevated Installation >35' To 40', Add	73.15	
	For Elevated Installation >40', Add	80.46	
	For Work In Restricted Working Space, Add	43.89	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.89	

26 05 33 13-1450 Aluminum Rigid Conduit (ARC) (26 05 33 13-0059)
 Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling (26 05 33 13-1450)
 Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1452	LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.00	2.37
	For Work In Restricted Working Space, Add	1.78	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.89	
26 05 33 13-1453	LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.96	2.61
	For Work In Restricted Working Space, Add	1.96	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.98	
26 05 33 13-1454	LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling	9.16	2.85
	For Work In Restricted Working Space, Add	2.13	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.07	
26 05 33 13-1455	LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	10.38	3.08
	For Work In Restricted Working Space, Add	2.31	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.16	
26 05 33 13-1456	LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	11.62	3.32
	For Work In Restricted Working Space, Add	2.49	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.24	
26 05 33 13-1457	LF 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	13.92	3.79
	For Work In Restricted Working Space, Add	2.84	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.42	
26 05 33 13-1458	LF 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	18.88	4.74
	For Work In Restricted Working Space, Add	3.56	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.78	
26 05 33 13-1459	LF 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling	23.45	5.68
	For Work In Restricted Working Space, Add	4.26	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.13	
26 05 33 13-1460	LF 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	28.86	7.11
	For Work In Restricted Working Space, Add	5.33	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.67	
26 05 33 13-1461	LF 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	35.64	9.00
	For Work In Restricted Working Space, Add	6.75	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.38	
26 05 33 13-1462	LF 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling	47.23	11.38
	For Work In Restricted Working Space, Add	8.53	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.26	
26 05 33 13-1463	LF 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling	60.28	14.21
	For Work In Restricted Working Space, Add	10.66	
	For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.33	

26 05 33 13-1464 Aluminum 90 Degree Elbows (26 05 33 13-1450)

26 05 33 13-1465	EA 1" Aluminum 90 Degree Elbow	42.25	12.32
	For Work In Restricted Working Space, Add	9.24	
26 05 33 13-1466	EA 1-1/4" Aluminum 90 Degree Elbow	53.14	13.98
	For Work In Restricted Working Space, Add	10.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1467	EA		1-1/2" Aluminum 90 Degree Elbow.....	64.49	16.11
			For Work In Restricted Working Space, Add	12.08	
26 05 33 13-1468	EA		2" Aluminum 90 Degree Elbow.....	81.84	18.48
			For Work In Restricted Working Space, Add	13.86	
26 05 33 13-1469	EA		2-1/2" Aluminum 90 Degree Elbow.....	116.34	22.50
			For Work In Restricted Working Space, Add	16.88	
26 05 33 13-1470	EA		3" Aluminum 90 Degree Elbow.....	165.64	29.14
			For Work In Restricted Working Space, Add	21.86	
26 05 33 13-1471	EA		3-1/2" Aluminum 90 Degree Elbow.....	226.45	32.70
			For Work In Restricted Working Space, Add	24.52	
26 05 33 13-1472	EA		4" Aluminum 90 Degree Elbow.....	274.06	40.99
			For Work In Restricted Working Space, Add	30.74	
26 05 33 13-1473	EA		5" Aluminum 90 Degree Elbow.....	674.39	66.81
			For Work In Restricted Working Space, Add	50.11	
26 05 33 13-1474	EA		6" Aluminum 90 Degree Elbow.....	953.11	100.46
			For Work In Restricted Working Space, Add	75.34	
26 05 33 13-1475 Aluminum Bushing Set With Locknut (26 05 33 13-1450)					
26 05 33 13-1476	EA		1/2" Aluminum Bushing Set With Locknut.....	12.72	4.74
			For Work In Restricted Working Space, Add	3.56	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.56	
26 05 33 13-1477	EA		3/4" Aluminum Bushing Set With Locknut.....	18.91	6.16
			For Work In Restricted Working Space, Add	4.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-1478	EA		1" Aluminum Bushing Set With Locknut.....	19.51	7.58
			For Work In Restricted Working Space, Add	5.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	
26 05 33 13-1479	EA		1-1/4" Aluminum Bushing Set With Locknut.....	21.95	8.53
			For Work In Restricted Working Space, Add	6.40	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 33 13-1480	EA		1-1/2" Aluminum Bushing Set With Locknut.....	26.87	10.42
			For Work In Restricted Working Space, Add	7.82	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-1481	EA		2" Aluminum Bushing Set With Locknut.....	32.72	12.56
			For Work In Restricted Working Space, Add	9.42	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.42	
26 05 33 13-1482	EA		2-1/2" Aluminum Bushing Set With Locknut.....	40.04	14.93
			For Work In Restricted Working Space, Add	11.20	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.20	
26 05 33 13-1483	EA		3" Aluminum Bushing Set With Locknut.....	46.66	17.06
			For Work In Restricted Working Space, Add	12.79	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.79	
26 05 33 13-1484	EA		3-1/2" Aluminum Bushing Set With Locknut.....	50.48	18.48
			For Work In Restricted Working Space, Add	13.86	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.86	
26 05 33 13-1485	EA		4" Aluminum Bushing Set With Locknut.....	54.90	19.90
			For Work In Restricted Working Space, Add	14.93	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.93	
26 05 33 13-1486	EA		5" Aluminum Bushing Set With Locknut.....	72.77	26.53
			For Work In Restricted Working Space, Add	19.90	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.90	
26 05 33 13-1487	EA		6" Aluminum Bushing Set With Locknut.....	108.33	39.80
			For Work In Restricted Working Space, Add	29.85	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.85	
26 05 33 13-1488 Schedule 40 Polyvinyl Chloride (PVC) Conduit (26 05 33 13-0059)					
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.					
26 05 33 13-1489 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings (26 05 33 13-1488)					
Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".					
26 05 33 13-1490	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	5.56	1.80
			For Schedule 60, Add	0.49	
			For Schedule 80, Add	0.82	
26 05 33 13-1491	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	6.35	1.98
			For Schedule 60, Add	0.60	
			For Schedule 80, Add	0.99	
26 05 33 13-1492	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	7.87	2.30
			For Schedule 60, Add	0.81	
			For Schedule 80, Add	1.31	
26 05 33 13-1493	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	9.38	2.63
			For Schedule 60, Add	1.03	
			For Schedule 80, Add	1.64	
26 05 33 13-1494	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	11.04	3.07
			For Schedule 60, Add	1.22	
			For Schedule 80, Add	1.94	
26 05 33 13-1495	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	13.20	3.52
			For Schedule 60, Add	1.54	
			For Schedule 80, Add	2.42	
26 05 33 13-1496	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	17.48	4.18
			For Schedule 60, Add	2.28	
			For Schedule 80, Add	3.51	
26 05 33 13-1497	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	20.48	4.84
			For Schedule 60, Add	2.70	
			For Schedule 80, Add	4.15	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1498	LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	25.00		5.72
	For Schedule 60, Add	3.39		
	For Schedule 80, Add	5.18		
26 05 33 13-1499	LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	29.37		7.03
	For Schedule 60, Add	3.82		
	For Schedule 80, Add	5.88		
26 05 33 13-1500	LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	41.90		9.90
	For Schedule 60, Add	5.53		
	For Schedule 80, Add	8.48		
26 05 33 13-1501	LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	55.65		13.19
	For Schedule 60, Add	7.32		
	For Schedule 80, Add	11.24		
26 05 33 13-1502 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows (26 05 33 13-1488)				
	See CSI section 26 05 33 13-2329 for conduit field bending.			
26 05 33 13-1503	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	23.53		8.79
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	1.48		
	For Schedule 80, Add	2.74		
26 05 33 13-1504	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	26.02		9.68
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	1.67		
	For Schedule 80, Add	3.06		
26 05 33 13-1505	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	30.35		10.99
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	2.09		
	For Schedule 80, Add	3.76		
26 05 33 13-1506	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	39.33		14.07
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	2.80		
	For Schedule 80, Add	4.97		
26 05 33 13-1507	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	49.60		17.59
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	3.61		
	For Schedule 80, Add	6.37		
26 05 33 13-1508	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	62.74		21.99
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	4.70		
	For Schedule 80, Add	8.22		
26 05 33 13-1509	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	79.75		26.37
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	6.75		
	For Schedule 80, Add	11.43		
26 05 33 13-1510	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	99.50		30.77
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	9.49		
	For Schedule 80, Add	15.59		
26 05 33 13-1511	EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	124.79		37.37
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	12.51		
	For Schedule 80, Add	20.32		
26 05 33 13-1512	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	150.27		43.96
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	15.59		
	For Schedule 80, Add	25.12		
26 05 33 13-1513	EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	208.50		54.95
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	24.65		
	For Schedule 80, Add	38.63		
26 05 33 13-1514	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	255.53		65.95
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	30.91		
	For Schedule 80, Add	48.22		
26 05 33 13-1515 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows (26 05 33 13-1488)				
	See CSI section 26 05 33 13-2329 for conduit field bending.			
26 05 33 13-1516	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	23.53		8.79
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	1.48		
	For Schedule 80, Add	2.74		
26 05 33 13-1517	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	25.91		9.68
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	1.64		
	For Schedule 80, Add	3.02		
26 05 33 13-1518	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	30.20		10.99
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	2.06		
	For Schedule 80, Add	3.70		
26 05 33 13-1519	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	38.88		14.07
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	2.69		
	For Schedule 80, Add	4.82		
26 05 33 13-1520	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow	48.60		17.59
	See CSI section 26 05 33 13-2329 for conduit field bending.			
	For Schedule 60, Add	3.36		
	For Schedule 80, Add	6.02		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1521	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	62.21 4.56 8.04	21.99
26 05 33 13-1522	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	78.74 6.50 11.07	26.37
26 05 33 13-1523	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	98.23 9.17 15.15	30.77
26 05 33 13-1524	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	121.22 11.62 19.07	37.37
26 05 33 13-1525	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	147.21 14.82 24.05	43.96
26 05 33 13-1526	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	204.53 23.66 37.24	54.95
26 05 33 13-1527	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2329 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	243.69 27.95 44.08	65.95
26 05 33 13-1528 Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow (26 05 33 13-1488)				
26 05 33 13-1529	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	87.10 15.86	29.26
26 05 33 13-1530	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	101.95 18.74	33.88
26 05 33 13-1531	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	115.46 21.16	38.50
26 05 33 13-1532	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	136.23 26.51	42.35
26 05 33 13-1533	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	178.40 35.88	53.13
26 05 33 13-1534	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	233.89 45.67	72.38
26 05 33 13-1535	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	280.08 57.22	81.62
26 05 33 13-1536	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow <i>For Schedule 80, Add</i>	337.82 65.11	106.26
26 05 33 13-1537 Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow (26 05 33 13-1488)				
26 05 33 13-1538	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	92.35 17.69	29.26
26 05 33 13-1539	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	114.58 23.16	33.88
26 05 33 13-1540	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	133.54 27.49	38.50
26 05 33 13-1541	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	145.18 29.64	42.35
26 05 33 13-1542	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	205.98 45.53	53.13
26 05 33 13-1543	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	274.00 59.71	72.38
26 05 33 13-1544	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	304.77 65.86	81.62
26 05 33 13-1545	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow <i>For Schedule 80, Add</i>	367.71 75.57	106.26
26 05 33 13-1546 Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow (26 05 33 13-1488)				
26 05 33 13-1547	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	106.50 22.65	29.26
26 05 33 13-1548	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	120.51 25.24	33.88
26 05 33 13-1549	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	137.02 28.71	38.50
26 05 33 13-1550	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	162.06 35.55	42.35
26 05 33 13-1551	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	216.25 49.12	53.13
26 05 33 13-1552	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	282.62 62.73	72.38
26 05 33 13-1553	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	337.64 77.36	81.62
26 05 33 13-1554	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	397.23 85.90	106.26

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1555 Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow (26 05 33 13-1488)

26 05 33 13-1556	EA 1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	109.39	29.26
	<i>For Schedule 80, Add</i>	23.66	
26 05 33 13-1557	EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	138.05	33.88
	<i>For Schedule 80, Add</i>	31.38	
26 05 33 13-1558	EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	150.94	38.50
	<i>For Schedule 80, Add</i>	33.58	
26 05 33 13-1559	EA 2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	162.68	42.35
	<i>For Schedule 80, Add</i>	35.76	
26 05 33 13-1560	EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	238.88	53.13
	<i>For Schedule 80, Add</i>	57.04	
26 05 33 13-1561	EA 3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	333.33	72.38
	<i>For Schedule 80, Add</i>	80.48	
26 05 33 13-1562	EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	383.82	81.62
	<i>For Schedule 80, Add</i>	93.53	
26 05 33 13-1563	EA 4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	451.92	106.26
	<i>For Schedule 80, Add</i>	105.04	
26 05 33 13-1564	EA 5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	724.14	172.95
	<i>For Schedule 80, Add</i>	166.82	
26 05 33 13-1565	EA 6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,062.21	260.61
	<i>For Schedule 80, Add</i>	241.64	

26 05 33 13-1566 Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow (26 05 33 13-1488)

26 05 33 13-1567	EA 1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	120.48	29.26
	<i>For Schedule 80, Add</i>	27.54	
26 05 33 13-1568	EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	141.02	33.88
	<i>For Schedule 80, Add</i>	32.42	
26 05 33 13-1569	EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	159.87	38.50
	<i>For Schedule 80, Add</i>	36.70	
26 05 33 13-1570	EA 2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	193.52	42.35
	<i>For Schedule 80, Add</i>	46.56	
26 05 33 13-1571	EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	260.97	53.13
	<i>For Schedule 80, Add</i>	64.77	
26 05 33 13-1572	EA 3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	369.61	72.38
	<i>For Schedule 80, Add</i>	93.17	
26 05 33 13-1573	EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	418.51	81.62
	<i>For Schedule 80, Add</i>	105.67	
26 05 33 13-1574	EA 4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	512.12	106.26
	<i>For Schedule 80, Add</i>	126.11	
26 05 33 13-1575	EA 5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	759.36	172.95
	<i>For Schedule 80, Add</i>	179.15	
26 05 33 13-1576	EA 6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,090.72	260.61
	<i>For Schedule 80, Add</i>	251.62	

26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Female Adapters (26 05 33 13-1488)

26 05 33 13-1578	EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	16.10	6.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1579	EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	18.55	7.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33 13-1580	EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter	21.10	7.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.93	
26 05 33 13-1581	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	23.81	8.79
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-1582	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	29.45	10.99
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.24	
26 05 33 13-1583	EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter	35.79	13.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 05 33 13-1584	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	49.16	17.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19	
26 05 33 13-1585	EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter	62.04	21.99
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.49	
26 05 33 13-1586	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	80.44	28.58
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.43	
26 05 33 13-1587	EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter	97.32	35.17
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.38	
26 05 33 13-1588	EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter	128.88	43.96
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.97	
26 05 33 13-1589	EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter	160.28	54.95
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.21	

26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug (26 05 33 13-1488)

26 05 33 13-1591	EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	18.97	5.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33 13-1592	EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	21.58	6.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1593	EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	24.22	7.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33 13-1594	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	28.89	7.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.93	
26 05 33 13-1595	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	32.22	8.79
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-1596	EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	38.72	10.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.58	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1597	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.31 8.57	11.43
26 05 33 13-1598	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.99 9.99	13.19
26 05 33 13-1599	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.07 11.54	15.39
26 05 33 13-1600	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.98 13.19	17.59
26 05 33 13-1601	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.16 14.84	19.78
26 05 33 13-1602	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.31 16.49	21.99
26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-1488)				
26 05 33 13-1604	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.50 5.07	
26 05 33 13-1605	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.22 6.08	
26 05 33 13-1606	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.66 6.75	
26 05 33 13-1607	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.61 7.52	
26 05 33 13-1608	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.20 8.24	10.99
26 05 33 13-1609	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.45 9.99	13.19
26 05 33 13-1610	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.48 13.19	17.59
26 05 33 13-1611	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.09 16.49	21.99
26 05 33 13-1612	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.23 21.43	28.58
26 05 33 13-1613	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.08 26.38	35.17
26 05 33 13-1614	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.44 32.97	43.96
26 05 33 13-1615	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.34 41.21	54.95
26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover (26 05 33 13-1488)				
26 05 33 13-1617	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.57 13.19	17.59
26 05 33 13-1618	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.81 14.84	19.78
26 05 33 13-1619	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.30 16.49	21.99
26 05 33 13-1620	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.73 19.79	26.37
26 05 33 13-1621	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.73 24.73	32.97
26 05 33 13-1622	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.59 29.68	39.56
26 05 33 13-1623	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.00 32.97	43.96
26 05 33 13-1624	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	239.99 36.27	48.36
26 05 33 13-1625	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	260.46 41.21	54.95
26 05 33 13-1626	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	290.48 47.81	63.74
26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover (26 05 33 13-1488)				
26 05 33 13-1628	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.02 17.77	23.70
26 05 33 13-1629	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.18 19.55	26.06
26 05 33 13-1630	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.35 21.32	28.43
26 05 33 13-1631	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.28 24.88	33.17
26 05 33 13-1632	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.72 30.21	40.28
26 05 33 13-1633	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.59 35.54	47.38
26 05 33 13-1634 Polyvinyl Chloride (PVC) Conduit Expansion Joint (26 05 33 13-1488)				
26 05 33 13-1635	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	111.42	21.99
26 05 33 13-1636	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	123.85	26.37
26 05 33 13-1637	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	137.11	30.77
26 05 33 13-1638	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	149.53	35.17
26 05 33 13-1639	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	161.61	39.56

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1640	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	176.39	43.96
26 05 33 13-1641	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	216.29	50.56
26 05 33 13-1642	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	259.54	57.15
26 05 33 13-1643	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	303.91	65.95
26 05 33 13-1644	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	361.73	76.94
26 05 33 13-1645	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	479.52	92.32
26 05 33 13-1646	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	630.88	118.70

26 05 33 13-1647 Polyvinyl Chloride (PVC) Conduit End Caps (26 05 33 13-1488)

26 05 33 13-1648	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	13.95	4.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.30	
26 05 33 13-1649	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	16.49	5.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33 13-1650	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	18.96	6.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1651	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	22.72	7.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33 13-1652	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	26.53	7.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.93	
26 05 33 13-1653	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	31.42	8.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-1654	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	45.27	10.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.58	
26 05 33 13-1655	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	49.52	11.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
26 05 33 13-1656	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	63.61	12.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.56	
26 05 33 13-1657	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	77.27	13.63
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.22	
26 05 33 13-1658	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	89.86	15.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.54	
26 05 33 13-1659	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	114.02	17.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19	

26 05 33 13-1660 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-1488)

26 05 33 13-1661	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200).....	137.78	39.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.68	
26 05 33 13-1662	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121).....	144.42	26.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.79	
26 05 33 13-1663	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251).....	350.46	43.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.97	
26 05 33 13-1664	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401).....	682.79	63.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.81	

26 05 33 13-1665 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0059)

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

26 05 33 13-1666 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1665)

Note: Includes field bending conduit up to and including 1".

26 05 33 13-1667	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.51	1.80
26 05 33 13-1668	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.45	1.98
26 05 33 13-1669	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.54	2.28
26 05 33 13-1670	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.62	2.63
26 05 33 13-1671	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.12	3.07
26 05 33 13-1672	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.37	3.52
26 05 33 13-1673	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.12	4.18
26 05 33 13-1674	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	20.11	4.84
26 05 33 13-1675	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.30	5.72
26 05 33 13-1676	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	27.62	7.03
26 05 33 13-1677	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	37.25	9.90
26 05 33 13-1678	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	48.63	13.19

26 05 33 13-1679 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1665)

26 05 33 13-1680	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	95.99	8.79
		<i>For 24" Radius, Add</i>	6.65	
		<i>For 36" Radius, Add</i>	9.60	
		<i>For 48" Radius, Add</i>	12.55	
26 05 33 13-1681	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	107.03	9.68
		<i>For 24" Radius, Add</i>	7.42	
		<i>For 36" Radius, Add</i>	10.70	
		<i>For 48" Radius, Add</i>	13.98	
26 05 33 13-1682	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	111.16	10.99
		<i>For 24" Radius, Add</i>	7.65	
		<i>For 36" Radius, Add</i>	11.12	
		<i>For 48" Radius, Add</i>	14.58	

MINOR		UOM		DESCRIPTION	TOTAL DIRECT		DEMOLITION	
CSI					UNIT	COST	UNIT	COST
26 05 33 13-1683	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....		119.67		14.07
				For 24" Radius, Add		8.10		
				For 36" Radius, Add		11.97		
				For 48" Radius, Add		15.84		
26 05 33 13-1684	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....		129.30		17.59
				For 24" Radius, Add		8.60		
				For 36" Radius, Add		12.93		
				For 48" Radius, Add		17.26		
26 05 33 13-1685	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....		152.06		21.99
				For 24" Radius, Add		10.03		
				For 36" Radius, Add		15.21		
				For 48" Radius, Add		20.38		
26 05 33 13-1686	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....		182.18		26.37
				For 24" Radius, Add		12.01		
				For 36" Radius, Add		18.22		
				For 48" Radius, Add		24.42		
26 05 33 13-1687	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....		216.42		30.77
				For 24" Radius, Add		14.31		
				For 36" Radius, Add		21.64		
				For 48" Radius, Add		28.98		
26 05 33 13-1688	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....		250.34		37.37
				For 24" Radius, Add		16.44		
				For 36" Radius, Add		25.03		
				For 48" Radius, Add		33.63		
26 05 33 13-1689	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....		284.26		43.96
				For 24" Radius, Add		18.57		
				For 36" Radius, Add		28.43		
				For 48" Radius, Add		38.28		
26 05 33 13-1690	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....		355.32		54.95
				For 24" Radius, Add		23.21		
				For 36" Radius, Add		35.53		
				For 48" Radius, Add		47.85		
26 05 33 13-1691	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....		437.28		65.95
				For 24" Radius, Add		28.67		
				For 36" Radius, Add		43.73		
				For 48" Radius, Add		58.78		
26 05 33 13-1692 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1665)								
26 05 33 13-1693	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....		82.67		8.79
				For 24" Radius, Add		5.65		
				For 36" Radius, Add		8.27		
				For 48" Radius, Add		10.88		
26 05 33 13-1694	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....		92.11		9.68
				For 24" Radius, Add		6.30		
				For 36" Radius, Add		9.21		
				For 48" Radius, Add		12.12		
26 05 33 13-1695	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....		96.09		10.99
				For 24" Radius, Add		6.52		
				For 36" Radius, Add		9.61		
				For 48" Radius, Add		12.70		
26 05 33 13-1696	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....		104.46		14.07
				For 24" Radius, Add		6.96		
				For 36" Radius, Add		10.45		
				For 48" Radius, Add		13.94		
26 05 33 13-1697	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....		113.94		17.59
				For 24" Radius, Add		7.45		
				For 36" Radius, Add		11.39		
				For 48" Radius, Add		15.34		
26 05 33 13-1698	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....		134.58		21.99
				For 24" Radius, Add		8.72		
				For 36" Radius, Add		13.46		
				For 48" Radius, Add		18.20		
26 05 33 13-1699	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....		161.26		26.37
				For 24" Radius, Add		10.45		
				For 36" Radius, Add		16.13		
				For 48" Radius, Add		21.81		
26 05 33 13-1700	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....		191.31		30.77
				For 24" Radius, Add		12.42		
				For 36" Radius, Add		19.13		
				For 48" Radius, Add		25.84		
26 05 33 13-1701	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....		222.09		37.37
				For 24" Radius, Add		14.32		
				For 36" Radius, Add		22.21		
				For 48" Radius, Add		30.10		
26 05 33 13-1702	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....		252.88		43.96
				For 24" Radius, Add		16.22		
				For 36" Radius, Add		25.29		
				For 48" Radius, Add		34.36		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1703	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	316.09	54.95
		For 24" Radius, Add	20.27	
		For 36" Radius, Add	31.61	
		For 48" Radius, Add	42.95	
26 05 33 13-1704	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	388.25	65.95
		For 24" Radius, Add	25.00	
		For 36" Radius, Add	38.83	
		For 48" Radius, Add	52.65	

26 05 33 13-1705 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1665)

26 05 33 13-1706	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	76.76	7.91
		For 24" Radius, Add	5.26	
		For 36" Radius, Add	7.68	
		For 48" Radius, Add	10.09	
26 05 33 13-1707	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	85.56	8.70
		For 24" Radius, Add	5.87	
		For 36" Radius, Add	8.56	
		For 48" Radius, Add	11.24	
26 05 33 13-1708	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	89.17	9.90
		For 24" Radius, Add	6.07	
		For 36" Radius, Add	8.92	
		For 48" Radius, Add	11.76	
26 05 33 13-1709	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	96.72	12.66
		For 24" Radius, Add	6.46	
		For 36" Radius, Add	9.67	
		For 48" Radius, Add	12.88	
26 05 33 13-1710	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	105.27	15.83
		For 24" Radius, Add	6.91	
		For 36" Radius, Add	10.53	
		For 48" Radius, Add	14.15	
26 05 33 13-1711	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	124.24	19.78
		For 24" Radius, Add	8.08	
		For 36" Radius, Add	12.42	
		For 48" Radius, Add	16.77	
26 05 33 13-1712	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	148.85	23.74
		For 24" Radius, Add	9.68	
		For 36" Radius, Add	14.89	
		For 48" Radius, Add	20.09	
26 05 33 13-1713	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	176.64	27.70
		For 24" Radius, Add	11.52	
		For 36" Radius, Add	17.66	
		For 48" Radius, Add	23.81	
26 05 33 13-1714	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	204.91	33.63
		For 24" Radius, Add	13.27	
		For 36" Radius, Add	20.49	
		For 48" Radius, Add	27.72	
26 05 33 13-1715	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	233.17	39.56
		For 24" Radius, Add	15.01	
		For 36" Radius, Add	23.32	
		For 48" Radius, Add	31.62	
26 05 33 13-1716	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	291.45	49.46
		For 24" Radius, Add	18.77	
		For 36" Radius, Add	29.15	
		For 48" Radius, Add	39.52	
26 05 33 13-1717	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	358.14	59.35
		For 24" Radius, Add	23.15	
		For 36" Radius, Add	35.81	
		For 48" Radius, Add	48.48	

26 05 33 13-1718 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1665)

26 05 33 13-1719	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	73.06	7.91
		For 24" Radius, Add	4.99	
		For 36" Radius, Add	7.31	
		For 48" Radius, Add	9.63	
26 05 33 13-1720	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	81.42	8.70
		For 24" Radius, Add	5.56	
		For 36" Radius, Add	8.14	
		For 48" Radius, Add	10.72	
26 05 33 13-1721	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	84.99	9.90
		For 24" Radius, Add	5.76	
		For 36" Radius, Add	8.50	
		For 48" Radius, Add	11.24	
26 05 33 13-1722	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	92.49	12.66
		For 24" Radius, Add	6.15	
		For 36" Radius, Add	9.25	
		For 48" Radius, Add	12.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1723	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	101.01	15.83
			For 24" Radius, Add	6.59	
			For 36" Radius, Add	10.10	
			For 48" Radius, Add	13.62	
26 05 33 13-1724	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	119.38	19.78
			For 24" Radius, Add	7.72	
			For 36" Radius, Add	11.94	
			For 48" Radius, Add	16.16	
26 05 33 13-1725	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	143.04	23.74
			For 24" Radius, Add	9.24	
			For 36" Radius, Add	14.30	
			For 48" Radius, Add	19.36	
26 05 33 13-1726	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	169.67	27.70
			For 24" Radius, Add	10.99	
			For 36" Radius, Add	16.97	
			For 48" Radius, Add	22.94	
26 05 33 13-1727	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	197.06	33.63
			For 24" Radius, Add	12.68	
			For 36" Radius, Add	19.71	
			For 48" Radius, Add	26.73	
26 05 33 13-1728	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	224.45	39.56
			For 24" Radius, Add	14.36	
			For 36" Radius, Add	22.45	
			For 48" Radius, Add	30.53	
26 05 33 13-1729	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	280.56	49.46
			For 24" Radius, Add	17.95	
			For 36" Radius, Add	28.06	
			For 48" Radius, Add	38.16	
26 05 33 13-1730	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius		
			Elbows.....	344.51	59.35
			For 24" Radius, Add	22.13	
			For 36" Radius, Add	34.45	
			For 48" Radius, Add	46.77	
26 05 33 13-1731			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings (26 05 33 13-1665)		
26 05 33 13-1732	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	46.03	6.15
26 05 33 13-1733	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	51.73	7.03
26 05 33 13-1734	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	54.27	7.91
26 05 33 13-1735	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	56.77	8.79
26 05 33 13-1736	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	62.95	10.99
26 05 33 13-1737	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	75.22	13.19
26 05 33 13-1738	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	94.81	17.59
26 05 33 13-1739	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	115.97	21.99
26 05 33 13-1740	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	140.09	28.58
26 05 33 13-1741	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	164.20	35.17
26 05 33 13-1742	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	205.25	43.96
26 05 33 13-1743	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	256.52	54.95
26 05 33 13-1744			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-1665)		
26 05 33 13-1745	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	32.68	6.15
26 05 33 13-1746	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	36.80	7.03
26 05 33 13-1747	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	39.19	7.91
26 05 33 13-1748	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	41.61	8.79
26 05 33 13-1749	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	47.29	10.99
26 05 33 13-1750	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	52.91	13.19
26 05 33 13-1751	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	67.88	17.59
26 05 33 13-1752	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	83.66	21.99
26 05 33 13-1753	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	103.74	28.58
26 05 33 13-1754	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	123.81	35.17
26 05 33 13-1755	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	154.81	43.96
26 05 33 13-1756	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	193.46	54.95
26 05 33 13-1757			Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-1665)		
26 05 33 13-1758	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	36.88	5.06
26 05 33 13-1759	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	41.48	7.03
26 05 33 13-1760	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	43.93	7.91
26 05 33 13-1761	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	46.28	8.79
26 05 33 13-1762	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	52.32	10.99
26 05 33 13-1763	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	62.55	13.19
26 05 33 13-1764	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	79.44	17.59
26 05 33 13-1765	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	97.52	21.99
26 05 33 13-1766	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	119.33	28.58
26 05 33 13-1767	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	141.12	35.17
26 05 33 13-1768	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	176.40	43.96

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
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 UNIT COST UNIT COST

26 05 33 13-1769 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling220.52 54.95

26 05 33 13-1770 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-1665)

 26 05 33 13-1771 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint78.63 21.99
 26 05 33 13-1772 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint92.22 26.37
 26 05 33 13-1773 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint103.50 30.77
 26 05 33 13-1774 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint114.65 35.17
 26 05 33 13-1775 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint126.26 39.56
 26 05 33 13-1776 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint142.45 43.96
 26 05 33 13-1777 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint165.46 50.56
 26 05 33 13-1778 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint189.75 57.15
 26 05 33 13-1779 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint217.59 65.95
 26 05 33 13-1780 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint250.91 76.94
 26 05 33 13-1781 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint293.05 87.92
 26 05 33 13-1782 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint338.83 98.92

26 05 33 13-1783 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints (26 05 33 13-1665)

 26 05 33 13-1784 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint88.25 21.99
 26 05 33 13-1785 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint103.00 26.37
 26 05 33 13-1786 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint114.34 30.77
 26 05 33 13-1787 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint125.61 35.17
 26 05 33 13-1788 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint137.31 39.56
 26 05 33 13-1789 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint155.07 43.96
 26 05 33 13-1790 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint180.59 50.56
 26 05 33 13-1791 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint207.91 57.15
 26 05 33 13-1792 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint238.03 65.95
 26 05 33 13-1793 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint273.64 76.94
 26 05 33 13-1794 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint321.53 87.92
 26 05 33 13-1795 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint374.42 98.92

26 05 33 13-1796 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters (26 05 33 13-1665)

 26 05 33 13-1797 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter94.57 6.15
 26 05 33 13-1798 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter105.55 7.03
 26 05 33 13-1799 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter110.44 7.91
 26 05 33 13-1800 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter115.47 8.79
 26 05 33 13-1801 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter122.40 10.99
 26 05 33 13-1802 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter136.94 13.19
 26 05 33 13-1803 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter168.74 17.59
 26 05 33 13-1804 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter204.60 21.99
 26 05 33 13-1805 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter239.80 28.58
 26 05 33 13-1806 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter275.00 35.17
 26 05 33 13-1807 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter343.83 43.96
 26 05 33 13-1808 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter427.96 54.95

26 05 33 13-1809 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints (26 05 33 13-1665)

 26 05 33 13-1810 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint104.97 21.99
 26 05 33 13-1811 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint121.54 26.37
 26 05 33 13-1812 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint145.61 30.77
 26 05 33 13-1813 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint180.51 35.17
 26 05 33 13-1814 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint225.84 39.56
 26 05 33 13-1815 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint298.01 43.96
 26 05 33 13-1816 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint422.39 50.56
 26 05 33 13-1817 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint509.91 57.15
 26 05 33 13-1818 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint616.25 65.95
 26 05 33 13-1819 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint728.08 76.94
 26 05 33 13-1820 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint856.20 87.92
 26 05 33 13-1821 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint1,327.66 98.92

26 05 33 13-1822 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover (26 05 33 13-1665)

 26 05 33 13-1823 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover88.24 17.59
 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 13.19
 26 05 33 13-1824 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover102.26 19.78
 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 14.84
 26 05 33 13-1825 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover135.46 21.99
 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 16.49
 26 05 33 13-1826 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover165.40 26.37
 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 19.79
 26 05 33 13-1827 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover210.30 32.97
 For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 24.73

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1828	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	288.35 29.68	39.56
26 05 33 13-1829	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	470.59 34.62	46.17
26 05 33 13-1830	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	605.48 39.57	52.76
26 05 33 13-1831	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	728.09 46.16	61.55
26 05 33 13-1832	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	850.72 52.76	70.34
26 05 33 13-1833	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,002.93 59.35	79.13
26 05 33 13-1834	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,137.40 65.95	87.92
26 05 33 13-1835		Explosion Proof Conduit Fittings (26 05 33 13-0059) Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
26 05 33 13-1836		Explosion Proof Malleable Iron Conduit Unions (26 05 33 13-1835)		
26 05 33 13-1837	EA	1/2" Explosion Proof Malleable Iron Conduit Union	41.93	9.87
26 05 33 13-1838	EA	3/4" Explosion Proof Malleable Iron Conduit Union	51.03	10.91
26 05 33 13-1839	EA	1" Explosion Proof Malleable Iron Conduit Union	79.49	14.54
26 05 33 13-1840	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	103.55	16.10
26 05 33 13-1841	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	130.03	19.74
26 05 33 13-1842	EA	2" Explosion Proof Malleable Iron Conduit Union	161.05	22.85
26 05 33 13-1843	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	243.99	32.68
26 05 33 13-1844	EA	3" Explosion Proof Malleable Iron Conduit Union	308.70	38.90
26 05 33 13-1845	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	508.45	46.68
26 05 33 13-1846	EA	4" Explosion Proof Malleable Iron Conduit Union	544.69	59.64
26 05 33 13-1847		Explosion Proof Malleable Iron Conduit Bodies (26 05 33 13-1835)		
26 05 33 13-1848	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	146.50	31.16
26 05 33 13-1849	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	165.24	35.32
26 05 33 13-1850	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	192.24	38.96
26 05 33 13-1851	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	167.28	38.96
26 05 33 13-1852	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	199.48	46.75
26 05 33 13-1853	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	235.11	53.50
26 05 33 13-1854		Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical (26 05 33 13-1835) Note: Includes sealing gasket and lock nut.		
26 05 33 13-1855	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.26 19.48	25.97
26 05 33 13-1856	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.25 21.82	29.08
26 05 33 13-1857	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.68 23.76	31.68
26 05 33 13-1858	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.76 29.22	38.96
26 05 33 13-1859	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	221.02 34.28	45.70
26 05 33 13-1860	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	280.54 38.96	51.95
26 05 33 13-1861	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	401.41 58.34	77.79
26 05 33 13-1862	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	506.93 73.13	97.50
26 05 33 13-1863	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	700.30 80.52	107.35
26 05 33 13-1864	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	892.38 87.52	116.69
26 05 33 13-1865		Explosion Proof Flexible Conduit Couplings (26 05 33 13-1835)		
26 05 33 13-1866	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	295.38	11.94
26 05 33 13-1867	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	385.37	13.51
26 05 33 13-1868		Conduit Installed Below Grade (26 05 33 13-0058) Note: By direct burial in trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
26 05 33 13-1869		Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial (26 05 33 13-1868)		
26 05 33 13-1870		Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial (26 05 33 13-1869) Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
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 TOTAL DIRECT DEMOLITION
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26 05 33 13-1871	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	4.63	
		For Schedule 60, Add	0.44	
		For Schedule 80, Add	0.73	
26 05 33 13-1872	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.25	
		For Schedule 60, Add	0.54	
		For Schedule 80, Add	0.88	
26 05 33 13-1873	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	6.22	
		For Schedule 60, Add	0.73	
		For Schedule 80, Add	1.15	
26 05 33 13-1874	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	7.19	
		For Schedule 60, Add	0.92	
		For Schedule 80, Add	1.42	
26 05 33 13-1875	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	8.02	
		For Schedule 60, Add	1.07	
		For Schedule 80, Add	1.64	
26 05 33 13-1876	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	9.36	
		For Schedule 60, Add	1.35	
		For Schedule 80, Add	2.04	
26 05 33 13-1877	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	12.26	
		For Schedule 60, Add	2.02	
		For Schedule 80, Add	2.99	
26 05 33 13-1878	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	13.89	
		For Schedule 60, Add	2.37	
		For Schedule 80, Add	3.49	
26 05 33 13-1879	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	16.49	
		For Schedule 60, Add	2.97	
		For Schedule 80, Add	4.33	
26 05 33 13-1880	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	17.83	
		For Schedule 60, Add	3.25	
		For Schedule 80, Add	4.73	
26 05 33 13-1881	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	23.49	
		For Schedule 60, Add	4.61	
		For Schedule 80, Add	6.64	
26 05 33 13-1882	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	29.27	
		For Schedule 60, Add	6.00	
		For Schedule 80, Add	8.60	

26 05 33 13-1883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial

(26 05 33 13-1869)

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1884	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	29.01	
		For Schedule 60, Add	1.76	
		For Schedule 80, Add	3.29	
26 05 33 13-1885	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	34.81	
		For Schedule 60, Add	2.11	
		For Schedule 80, Add	3.94	
26 05 33 13-1886	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	41.34	
		For Schedule 60, Add	2.64	
		For Schedule 80, Add	4.85	
26 05 33 13-1887	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	48.12	
		For Schedule 60, Add	3.24	
		For Schedule 80, Add	5.85	
26 05 33 13-1888	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	55.10	
		For Schedule 60, Add	3.88	
		For Schedule 80, Add	6.92	
26 05 33 13-1889	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	62.74	
		For Schedule 60, Add	4.70	
		For Schedule 80, Add	8.22	
26 05 33 13-1890	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	74.25	
		For Schedule 60, Add	6.47	
		For Schedule 80, Add	10.88	
26 05 33 13-1891	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	88.51	
		For Schedule 60, Add	8.94	
		For Schedule 80, Add	14.49	
26 05 33 13-1892	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	108.31	
		For Schedule 60, Add	11.69	
		For Schedule 80, Add	18.67	
26 05 33 13-1893	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	128.28	
		For Schedule 60, Add	14.49	
		For Schedule 80, Add	22.92	
26 05 33 13-1894	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	170.04	
		For Schedule 60, Add	22.73	
		For Schedule 80, Add	34.78	
26 05 33 13-1895	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	200.58	
		For Schedule 60, Add	28.16	
		For Schedule 80, Add	42.73	

26 05 33 13-1896 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial

(26 05 33 13-1869)

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1897	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	29.01	
		For Schedule 60, Add	1.76	
		For Schedule 80, Add	3.29	
26 05 33 13-1898	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial.....	34.70	
		For Schedule 60, Add	2.08	
		For Schedule 80, Add	3.90	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1899	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	41.19	
		<i>For Schedule 60, Add</i>	2.61	
		<i>For Schedule 80, Add</i>	4.80	
26 05 33 13-1900	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	47.67	
		<i>For Schedule 60, Add</i>	3.13	
		<i>For Schedule 80, Add</i>	5.69	
26 05 33 13-1901	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	54.10	
		<i>For Schedule 60, Add</i>	3.63	
		<i>For Schedule 80, Add</i>	6.57	
26 05 33 13-1902	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	62.21	
		<i>For Schedule 60, Add</i>	4.56	
		<i>For Schedule 80, Add</i>	8.04	
26 05 33 13-1903	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	73.24	
		<i>For Schedule 60, Add</i>	6.22	
		<i>For Schedule 80, Add</i>	10.52	
26 05 33 13-1904	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	87.24	
		<i>For Schedule 60, Add</i>	8.62	
		<i>For Schedule 80, Add</i>	14.05	
26 05 33 13-1905	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	104.74	
		<i>For Schedule 60, Add</i>	10.80	
		<i>For Schedule 80, Add</i>	17.42	
26 05 33 13-1906	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	125.22	
		<i>For Schedule 60, Add</i>	13.72	
		<i>For Schedule 80, Add</i>	21.85	
26 05 33 13-1907	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	166.07	
		<i>For Schedule 60, Add</i>	21.73	
		<i>For Schedule 80, Add</i>	33.39	
26 05 33 13-1908	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	188.74	
		<i>For Schedule 60, Add</i>	25.20	
		<i>For Schedule 80, Add</i>	38.58	
26 05 33 13-1909 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial (26 05 33 13-1869)				
26 05 33 13-1910	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	16.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1911	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	18.55	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33 13-1912	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	21.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.93	
26 05 33 13-1913	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	23.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.60	
26 05 33 13-1914	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	26.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.25	
26 05 33 13-1915	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	29.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.91	
26 05 33 13-1916	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	34.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.90	
26 05 33 13-1917	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	40.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.89	
26 05 33 13-1918	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	47.46	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.54	
26 05 33 13-1919	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	53.36	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.19	
26 05 33 13-1920	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	68.43	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.84	
26 05 33 13-1921	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	77.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.49	
26 05 33 13-1922 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial (26 05 33 13-1869)				
26 05 33 13-1923	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	18.97	
26 05 33 13-1924	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.58	
26 05 33 13-1925	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	24.22	
26 05 33 13-1926	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	31.10	
26 05 33 13-1927	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	34.41	
26 05 33 13-1928	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	38.72	
26 05 33 13-1929	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	43.31	
26 05 33 13-1930	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	48.99	
26 05 33 13-1931	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	58.07	
26 05 33 13-1932	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	63.98	
26 05 33 13-1933	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	81.16	
26 05 33 13-1934	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	91.31	
26 05 33 13-1935 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial (26 05 33 13-1869)				
26 05 33 13-1936	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	15.98	
26 05 33 13-1937	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	18.55	
26 05 33 13-1938	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	20.94	
26 05 33 13-1939	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	23.53	
26 05 33 13-1940	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	25.91	
26 05 33 13-1941	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	28.85	
26 05 33 13-1942	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	34.20	
26 05 33 13-1943	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	39.11	
26 05 33 13-1944	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	46.25	
26 05 33 13-1945	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	52.12	
26 05 33 13-1946	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	65.99	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-1947 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial 74.91

26 05 33 13-1948 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel

 (RGS) Conduit, Direct Burial (26 05 33 13-1968)

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

26 05 33 13-1949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel

 (RGS) Conduit, Direct Burial (26 05 33 13-1948)

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1950	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	12.47	2.49
		For >250 To 500, Deduct	-0.46	
		For >500 To 1,000, Deduct	-0.77	
		For >1,000, Deduct	-1.08	
26 05 33 13-1951	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	14.00	3.08
		For >250 To 500, Deduct	-0.52	
		For >500 To 1,000, Deduct	-0.87	
		For >1,000, Deduct	-1.22	
26 05 33 13-1952	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	17.21	3.44
		For >250 To 500, Deduct	-0.65	
		For >500 To 1,000, Deduct	-1.08	
		For >1,000, Deduct	-1.51	
26 05 33 13-1953	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	20.78	4.62
		For >250 To 500, Deduct	-0.80	
		For >500 To 1,000, Deduct	-1.32	
		For >1,000, Deduct	-1.84	
26 05 33 13-1954	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	24.42	5.21
		For >250 To 500, Deduct	-0.95	
		For >500 To 1,000, Deduct	-1.56	
		For >1,000, Deduct	-2.18	
26 05 33 13-1955	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	30.95	5.68
		For >250 To 500, Deduct	-1.22	
		For >500 To 1,000, Deduct	-2.00	
		For >1,000, Deduct	-2.77	
26 05 33 13-1956	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	44.95	8.53
		For >250 To 500, Deduct	-1.80	
		For >500 To 1,000, Deduct	-2.93	
		For >1,000, Deduct	-4.05	
26 05 33 13-1957	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	57.97	10.67
		For >250 To 500, Deduct	-2.31	
		For >500 To 1,000, Deduct	-3.76	
		For >1,000, Deduct	-5.20	
26 05 33 13-1958	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	71.53	11.26
		For >250 To 500, Deduct	-2.84	
		For >500 To 1,000, Deduct	-4.62	
		For >1,000, Deduct	-6.41	
26 05 33 13-1959	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	84.95	12.44
		For >250 To 500, Deduct	-3.36	
		For >500 To 1,000, Deduct	-5.48	
		For >1,000, Deduct	-7.61	
26 05 33 13-1960	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	132.60	17.18
		For >250 To 500, Deduct	-5.50	
		For >500 To 1,000, Deduct	-8.82	
		For >1,000, Deduct	-12.13	
26 05 33 13-1961	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	176.88	22.50
		For >250 To 500, Deduct	-7.42	
		For >500 To 1,000, Deduct	-11.84	
		For >1,000, Deduct	-16.27	

26 05 33 13-1962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel

 (RGS) Couplings, Direct Burial (26 05 33 13-1948)

26 05 33 13-1963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	13.39	3.56
26 05 33 13-1964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	16.05	4.74
26 05 33 13-1965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	20.39	5.92
26 05 33 13-1966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	23.00	6.52
26 05 33 13-1967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	27.25	7.70
26 05 33 13-1968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	35.11	8.88
26 05 33 13-1969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	64.23	10.67
26 05 33 13-1970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	81.73	14.81
26 05 33 13-1971	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	101.21	17.18
26 05 33 13-1972	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	125.56	23.70
26 05 33 13-1973	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	319.87	32.58
26 05 33 13-1974	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	321.27	18.36

26 05 33 13-1975 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel

 (RGS) Standard Radius Elbows, Direct Burial (26 05 33 13-1948)

Note: 90, 45, or 30-degree.

26 05 33 13-1976	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	51.62	14.81
26 05 33 13-1977	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	59.58	18.36
26 05 33 13-1978	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	71.23	22.50

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1979	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	84.33	26.06
26 05 33 13-1980	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	98.81	29.61
26 05 33 13-1981	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	120.39	32.58
26 05 33 13-1982	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	185.80	40.87
26 05 33 13-1983	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	277.66	55.67
26 05 33 13-1984	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	343.79	62.79
26 05 33 13-1985	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	394.15	81.73
26 05 33 13-1986	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	822.42	133.27
26 05 33 13-1987	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,293.93	200.20
26 05 33 13-1988 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial (26 05 33 13-1948)				
26 05 33 13-1989	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	123.11	22.50
26 05 33 13-1990	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	138.50	26.06
26 05 33 13-1991	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	158.12	29.61
26 05 33 13-1992	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	188.82	32.58
26 05 33 13-1993	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	263.26	40.87
26 05 33 13-1994 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial (26 05 33 13-1948)				
26 05 33 13-1995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	137.15	22.50
26 05 33 13-1996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	161.69	26.06
26 05 33 13-1997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	174.74	29.61
26 05 33 13-1998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	225.08	32.58
26 05 33 13-1999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	298.22	40.87
26 05 33 13-2000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	381.32	55.67
26 05 33 13-2001 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial (26 05 33 13-1948)				
26 05 33 13-2002	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	153.92	22.50
26 05 33 13-2003	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	173.76	26.06
26 05 33 13-2004	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	196.07	29.61
26 05 33 13-2005	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	237.10	32.58
26 05 33 13-2006	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	338.38	40.87
26 05 33 13-2007	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	428.48	55.67
26 05 33 13-2008	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	541.28	62.79
26 05 33 13-2009	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	609.32	81.73
26 05 33 13-2010 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial (26 05 33 13-1948)				
26 05 33 13-2011	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	182.90	22.50
26 05 33 13-2012	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	202.11	26.06
26 05 33 13-2013	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	228.26	29.61
26 05 33 13-2014	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	283.44	32.58
26 05 33 13-2015	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	410.27	40.87
26 05 33 13-2016	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	508.38	55.67
26 05 33 13-2017	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	590.07	62.79

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2018	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	698.88	81.73
26 05 33 13-2019		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial (26 05 33 13-1948)		
26 05 33 13-2020	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	205.45	22.50
26 05 33 13-2021	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	228.49	26.06
26 05 33 13-2022	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	259.93	29.61
26 05 33 13-2023	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	323.79	32.58
26 05 33 13-2024	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	449.50	40.87
26 05 33 13-2025	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	572.29	55.67
26 05 33 13-2026	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	708.68	62.79
26 05 33 13-2027	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	781.09	81.73
26 05 33 13-2028	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,302.37	133.27
26 05 33 13-2029		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial (26 05 33 13-1948)		
26 05 33 13-2030	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	234.94	22.50
26 05 33 13-2031	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	260.37	26.06
26 05 33 13-2032	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	294.66	29.61
26 05 33 13-2033	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	368.53	32.58
26 05 33 13-2034	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	514.86	40.87
26 05 33 13-2035	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	653.71	55.67
26 05 33 13-2036	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	768.12	62.79
26 05 33 13-2037	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	887.22	81.73
26 05 33 13-2038	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,376.75	133.27
26 05 33 13-2039	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,881.67	200.20
26 05 33 13-2040		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial (26 05 33 13-1948)		
26 05 33 13-2041	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	276.00	22.50
26 05 33 13-2042	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	288.79	26.06
26 05 33 13-2043	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	341.13	29.61
26 05 33 13-2044	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	430.81	32.58
26 05 33 13-2045	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	603.00	40.87
26 05 33 13-2046	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	763.48	55.67
26 05 33 13-2047	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	933.36	62.79
26 05 33 13-2048	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,093.69	81.73
26 05 33 13-2049	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,619.37	133.27
26 05 33 13-2050	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,993.04	200.20
26 05 33 13-2051		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial (26 05 33 13-1948)		
26 05 33 13-2052	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	285.89	22.50
26 05 33 13-2053	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	336.86	26.06
26 05 33 13-2054	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	381.32	29.61
26 05 33 13-2055	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	449.54	32.58
26 05 33 13-2056	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	625.02	40.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2057	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	797.24	55.67
26 05 33 13-2058	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,023.35	62.79
26 05 33 13-2059	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,140.52	81.73
26 05 33 13-2060	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,684.55	133.27
26 05 33 13-2061	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	2,049.63	200.20
26 05 33 13-2062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial (26 05 33 13-1948)					
26 05 33 13-2063	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	95.22	14.81
26 05 33 13-2064	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	103.54	18.36
26 05 33 13-2065	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	134.58	22.50
26 05 33 13-2066	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	196.26	26.06
26 05 33 13-2067	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	233.09	29.61
26 05 33 13-2068	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	296.84	32.58
26 05 33 13-2069	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	395.40	40.87
26 05 33 13-2070	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	514.17	40.87
26 05 33 13-2071	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	661.98	62.79
26 05 33 13-2072	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	852.24	81.73
26 05 33 13-2073	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,553.91	133.27
26 05 33 13-2074	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,933.66	200.20
26 05 33 13-2075 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial (26 05 33 13-1948)					
26 05 33 13-2076	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	97.43	14.81
26 05 33 13-2077	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	111.98	18.36
26 05 33 13-2078	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	139.08	22.50
26 05 33 13-2079	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	204.52	26.06
26 05 33 13-2080	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	244.55	29.61
26 05 33 13-2081	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	321.60	32.58
26 05 33 13-2082	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	448.38	40.87
26 05 33 13-2083	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	568.04	40.87
26 05 33 13-2084	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	759.37	62.79
26 05 33 13-2085	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	949.28	81.73
26 05 33 13-2086	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,731.79	133.27
26 05 33 13-2087	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	2,220.87	200.20
26 05 33 13-2088 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial (26 05 33 13-1948)					
26 05 33 13-2089	EA		1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.82	7.11
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.26	
26 05 33 13-2090	EA		3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.73	8.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-2091	EA		1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.51	11.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-2092	EA		1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	50.67	13.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-2093	EA		1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	55.03	14.81
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
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 TOTAL DIRECT DEMOLITION
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26 05 33 13-2094	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.40	7.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-2095	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.28	8.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.33	
26 05 33 13-2096	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.07	11.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.75	
26 05 33 13-2097	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.39	13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 33 13-2098	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.95	14.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.88	
26 05 33 13-2099	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.79	16.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.95	
26 05 33 13-2100	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.58	7.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-2101	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.45	8.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.33	
26 05 33 13-2102	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.40	11.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.75	
26 05 33 13-2103	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.74	13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 33 13-2104	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.31	14.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.88	
26 05 33 13-2105	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.70	16.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.95	
26 05 33 13-2106	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.99	7.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-2107	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.87	8.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.33	
26 05 33 13-2108	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.00	11.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.75	
26 05 33 13-2109	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.22	13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 33 13-2110	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.94	14.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.88	
26 05 33 13-2111	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.55	16.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.95	
26 05 33 13-2112	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	93.26	20.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.08	
26 05 33 13-2113	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	120.49	27.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.70	
26 05 33 13-2114	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.17	7.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-2115	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.20	8.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.33	
26 05 33 13-2116	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.35	11.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.75	
26 05 33 13-2117	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.69	13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 33 13-2118	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.56	14.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.88	
26 05 33 13-2119	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.40	16.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.95	
26 05 33 13-2120	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	95.77	20.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.08	
26 05 33 13-2121	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	125.91	27.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.70	
26 05 33 13-2122	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	150.38	31.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.83	
26 05 33 13-2123	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	175.46	40.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2124	EA		1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.50	7.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-2125	EA		3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.56	8.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-2126	EA		1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.73	11.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-2127	EA		1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.38	13.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-2128	EA		1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.28	14.81
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-2129	EA		2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	70.95	16.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.95	
26 05 33 13-2130	EA		2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	105.79	20.14
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.08	
26 05 33 13-2131	EA		3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	134.02	27.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.70	
26 05 33 13-2132	EA		3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	152.11	31.39
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.83	
26 05 33 13-2133	EA		4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	180.08	40.87
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.52	
26 05 33 13-2134	EA		5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	265.52	56.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.76	
26 05 33 13-2135	EA		1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.13	7.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-2136	EA		3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.19	8.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-2137	EA		1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.42	11.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-2138	EA		1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.65	13.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-2139	EA		1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.80	14.81
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-2140	EA		2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.50	16.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.95	
26 05 33 13-2141	EA		2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	115.96	20.14
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.08	
26 05 33 13-2142	EA		3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.80	27.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.70	
26 05 33 13-2143	EA		3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	161.82	31.39
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.83	
26 05 33 13-2144	EA		4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	196.46	40.87
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.52	
26 05 33 13-2145	EA		5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	290.00	56.27
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.76	
26 05 33 13-2146	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.13	7.70
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.62	
26 05 33 13-2147	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.16	8.88
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-2148	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.95	11.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-2149	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.98	13.03
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-2150	EA		1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.90	14.81
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-2151	EA		2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	80.07	16.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.95	
26 05 33 13-2152	EA		2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.47	20.14
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.08	
26 05 33 13-2153	EA		3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	159.54	27.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.70	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2154	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	186.12	31.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.83	
26 05 33 13-2155	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	221.04	40.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.52	
26 05 33 13-2156	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	306.77	56.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.76	
26 05 33 13-2157	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.17	7.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-2158	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.17	8.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.33	
26 05 33 13-2159	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.45	11.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.75	
26 05 33 13-2160	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.56	13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 33 13-2161	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.28	14.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.88	
26 05 33 13-2162	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.21	16.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.95	
26 05 33 13-2163	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	141.69	20.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.08	
26 05 33 13-2164	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	178.43	27.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.70	
26 05 33 13-2165	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	211.65	31.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.83	
26 05 33 13-2166	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	264.05	40.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.52	
26 05 33 13-2167	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	340.25	56.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.76	
26 05 33 13-2168	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.24	7.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-2169	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.37	8.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.33	
26 05 33 13-2170	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.26	11.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.75	
26 05 33 13-2171	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.08	13.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.82	
26 05 33 13-2172	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	83.20	14.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.88	
26 05 33 13-2173	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	100.15	16.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.95	
26 05 33 13-2174	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	159.33	20.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.08	
26 05 33 13-2175	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	206.75	27.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.70	
26 05 33 13-2176	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	227.31	31.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.83	
26 05 33 13-2177	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	277.25	40.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.52	
26 05 33 13-2178	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	345.03	56.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.76	
26 05 33 13-2179		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1868) Note: Direct burial or encased application.		
26 05 33 13-2180		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-2179) Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".		
26 05 33 13-2181	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.58	1.43
		<i>For Work In Restricted Working Space, Add</i>	1.07	
26 05 33 13-2182	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.35	1.54
		<i>For Work In Restricted Working Space, Add</i>	1.16	
26 05 33 13-2183	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.89	1.65
		<i>For Work In Restricted Working Space, Add</i>	1.24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2184 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	9.43	1.76
For Work In Restricted Working Space, Add	1.32	
26 05 33 13-2185 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	10.10	1.87
For Work In Restricted Working Space, Add	1.40	
26 05 33 13-2186 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	10.53	1.98
For Work In Restricted Working Space, Add	1.49	
26 05 33 13-2187 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	11.90	2.08
For Work In Restricted Working Space, Add	1.57	
26 05 33 13-2188 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	13.52	2.19
For Work In Restricted Working Space, Add	1.65	
26 05 33 13-2189 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	14.79	2.30
For Work In Restricted Working Space, Add	1.73	
26 05 33 13-2190 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	16.08	2.41
For Work In Restricted Working Space, Add	1.82	
26 05 33 13-2191 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	18.84	2.52
For Work In Restricted Working Space, Add	1.90	
26 05 33 13-2192 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial.....	22.25	2.63
For Work In Restricted Working Space, Add	1.98	
 26 05 33 13-2193 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90		
Degree Elbows, 12" Large Radius Elbows (26 05 33 13-2179)		
26 05 33 13-2194 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius		
Elbows, Direct Burial	101.47	10.99
For Work In Restricted Working Space, Add	8.24	
For 24" Radius, Add	6.92	
For 36" Radius, Add	10.15	
For 48" Radius, Add	13.37	
26 05 33 13-2195 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius		
Elbows, Direct Burial	115.82	13.19
For Work In Restricted Working Space, Add	9.89	
For 24" Radius, Add	7.86	
For 36" Radius, Add	11.58	
For 48" Radius, Add	15.30	
26 05 33 13-2196 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows,		
Direct Burial.....	122.15	15.39
For Work In Restricted Working Space, Add	11.54	
For 24" Radius, Add	8.20	
For 36" Radius, Add	12.22	
For 48" Radius, Add	16.23	
26 05 33 13-2197 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius		
Elbows, Direct Burial	128.46	17.59
For Work In Restricted Working Space, Add	13.19	
For 24" Radius, Add	8.54	
For 36" Radius, Add	12.85	
For 48" Radius, Add	17.16	
26 05 33 13-2198 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius		
Elbows, Direct Burial	134.80	19.78
For Work In Restricted Working Space, Add	14.84	
For 24" Radius, Add	8.87	
For 36" Radius, Add	13.48	
For 48" Radius, Add	18.09	
26 05 33 13-2199 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows,		
Direct Burial.....	152.06	21.99
For Work In Restricted Working Space, Add	16.49	
For 24" Radius, Add	10.03	
For 36" Radius, Add	15.21	
For 48" Radius, Add	20.38	
26 05 33 13-2200 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius		
Elbows, Direct Burial	176.68	24.18
For Work In Restricted Working Space, Add	18.14	
For 24" Radius, Add	11.74	
For 36" Radius, Add	17.67	
For 48" Radius, Add	23.60	
26 05 33 13-2201 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows,		
Direct Burial.....	205.43	26.37
For Work In Restricted Working Space, Add	19.79	
For 24" Radius, Add	13.76	
For 36" Radius, Add	20.54	
For 48" Radius, Add	27.33	
26 05 33 13-2202 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius		
Elbows, Direct Burial	233.86	30.77
For Work In Restricted Working Space, Add	23.08	
For 24" Radius, Add	15.62	
For 36" Radius, Add	23.39	
For 48" Radius, Add	31.16	
26 05 33 13-2203 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows,		
Direct Burial.....	262.27	39.56
For Work In Restricted Working Space, Add	26.38	
For 24" Radius, Add	17.47	
For 36" Radius, Add	26.23	
For 48" Radius, Add	34.98	
26 05 33 13-2204 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows,		
Direct Burial.....	316.86	39.56
For Work In Restricted Working Space, Add	29.68	
For 24" Radius, Add	21.29	
For 36" Radius, Add	31.69	
For 48" Radius, Add	42.08	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2205	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	382.33	43.96
		<i>For Work In Restricted Working Space, Add</i>	32.97	
		<i>For 24" Radius, Add</i>	25.93	
		<i>For 36" Radius, Add</i>	38.23	
		<i>For 48" Radius, Add</i>	50.54	

26 05 33 13-2206 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings (26 05 33 13-2179)

26 05 33 13-2207	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	46.03	6.15
		<i>For Work In Restricted Working Space, Add</i>	4.62	
26 05 33 13-2208	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	51.73	7.03
		<i>For Work In Restricted Working Space, Add</i>	5.28	
26 05 33 13-2209	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	54.27	7.91
		<i>For Work In Restricted Working Space, Add</i>	5.93	
26 05 33 13-2210	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	56.77	8.79
		<i>For Work In Restricted Working Space, Add</i>	6.60	
26 05 33 13-2211	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	59.66	9.68
		<i>For Work In Restricted Working Space, Add</i>	7.25	
26 05 33 13-2212	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	68.62	10.55
		<i>For Work In Restricted Working Space, Add</i>	7.91	
26 05 33 13-2213	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	80.53	11.87
		<i>For Work In Restricted Working Space, Add</i>	8.90	
26 05 33 13-2214	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	93.99	13.19
		<i>For Work In Restricted Working Space, Add</i>	9.89	
26 05 33 13-2215	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	107.11	15.39
		<i>For Work In Restricted Working Space, Add</i>	11.54	
26 05 33 13-2216	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	120.24	17.59
		<i>For Work In Restricted Working Space, Add</i>	13.19	
26 05 33 13-2217	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	144.80	19.78
		<i>For Work In Restricted Working Space, Add</i>	14.84	
26 05 33 13-2218	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	174.09	21.99
		<i>For Work In Restricted Working Space, Add</i>	16.49	

26 05 33 13-2219 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-2179)

26 05 33 13-2220	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	32.68	6.15
		<i>For Work In Restricted Working Space, Add</i>	4.62	
26 05 33 13-2221	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	36.80	7.03
		<i>For Work In Restricted Working Space, Add</i>	5.28	
26 05 33 13-2222	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	39.19	7.91
		<i>For Work In Restricted Working Space, Add</i>	5.93	
26 05 33 13-2223	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	41.61	8.79
		<i>For Work In Restricted Working Space, Add</i>	6.60	
26 05 33 13-2224	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	44.00	9.68
		<i>For Work In Restricted Working Space, Add</i>	7.25	
26 05 33 13-2225	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	46.31	10.55
		<i>For Work In Restricted Working Space, Add</i>	7.91	
26 05 33 13-2226	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	53.60	11.87
		<i>For Work In Restricted Working Space, Add</i>	8.90	
26 05 33 13-2227	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	61.68	13.19
		<i>For Work In Restricted Working Space, Add</i>	9.89	
26 05 33 13-2228	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	70.76	15.39
		<i>For Work In Restricted Working Space, Add</i>	11.54	
26 05 33 13-2229	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	79.85	17.59
		<i>For Work In Restricted Working Space, Add</i>	13.19	
26 05 33 13-2230	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	94.36	19.78
		<i>For Work In Restricted Working Space, Add</i>	14.84	
26 05 33 13-2231	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	111.03	21.99
		<i>For Work In Restricted Working Space, Add</i>	16.49	

26 05 33 13-2232 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-2179)

26 05 33 13-2233	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	30.28	3.52
		<i>For Work In Restricted Working Space, Add</i>	2.64	
26 05 33 13-2234	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	33.79	3.96
		<i>For Work In Restricted Working Space, Add</i>	2.97	
26 05 33 13-2235	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	35.14	4.40
		<i>For Work In Restricted Working Space, Add</i>	3.30	
26 05 33 13-2236	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	36.38	4.84
		<i>For Work In Restricted Working Space, Add</i>	3.63	
26 05 33 13-2237	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	38.04	5.28
		<i>For Work In Restricted Working Space, Add</i>	3.96	
26 05 33 13-2238	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	44.97	6.15
		<i>For Work In Restricted Working Space, Add</i>	4.62	
26 05 33 13-2239	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	54.16	7.47
		<i>For Work In Restricted Working Space, Add</i>	5.60	
26 05 33 13-2240	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	64.56	8.79
		<i>For Work In Restricted Working Space, Add</i>	6.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2241	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	75.36	10.99
			<i>For Work In Restricted Working Space, Add</i>	8.24	
26 05 33 13-2242	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	86.17	13.19
			<i>For Work In Restricted Working Space, Add</i>	9.89	
26 05 33 13-2243	EA	5"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	104.95	15.39
			<i>For Work In Restricted Working Space, Add</i>	11.54	
26 05 33 13-2244	EA	6"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	127.10	17.59
			<i>For Work In Restricted Working Space, Add</i>	13.19	
26 05 33 13-2245 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints					
			(26 05 33 13-2179)		
26 05 33 13-2246	EA	1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	78.63	21.99
			<i>For Work In Restricted Working Space, Add</i>	16.49	
26 05 33 13-2247	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	92.22	26.37
			<i>For Work In Restricted Working Space, Add</i>	19.79	
26 05 33 13-2248	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	103.50	30.77
			<i>For Work In Restricted Working Space, Add</i>	23.08	
26 05 33 13-2249	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	114.65	35.17
			<i>For Work In Restricted Working Space, Add</i>	26.38	
26 05 33 13-2250	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	120.76	37.37
			<i>For Work In Restricted Working Space, Add</i>	28.03	
26 05 33 13-2251	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	131.46	39.56
			<i>For Work In Restricted Working Space, Add</i>	29.68	
26 05 33 13-2252	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	143.47	41.77
			<i>For Work In Restricted Working Space, Add</i>	31.32	
26 05 33 13-2253	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	156.78	43.96
			<i>For Work In Restricted Working Space, Add</i>	32.97	
26 05 33 13-2254	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	168.13	46.17
			<i>For Work In Restricted Working Space, Add</i>	34.62	
26 05 33 13-2255	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	179.48	48.36
			<i>For Work In Restricted Working Space, Add</i>	36.27	
26 05 33 13-2256	EA	5"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	199.63	50.56
			<i>For Work In Restricted Working Space, Add</i>	37.92	
26 05 33 13-2257	EA	6"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	223.43	52.76
			<i>For Work In Restricted Working Space, Add</i>	39.57	
26 05 33 13-2258 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints					
			(26 05 33 13-2179)		
26 05 33 13-2259	EA	1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	88.25	21.99
			<i>For Work In Restricted Working Space, Add</i>	16.49	
26 05 33 13-2260	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	103.00	26.37
			<i>For Work In Restricted Working Space, Add</i>	19.79	
26 05 33 13-2261	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	114.34	30.77
			<i>For Work In Restricted Working Space, Add</i>	23.08	
26 05 33 13-2262	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	125.61	35.17
			<i>For Work In Restricted Working Space, Add</i>	26.38	
26 05 33 13-2263	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	131.81	37.37
			<i>For Work In Restricted Working Space, Add</i>	28.03	
26 05 33 13-2264	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	144.08	39.56
			<i>For Work In Restricted Working Space, Add</i>	29.68	
26 05 33 13-2265	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	158.60	41.77
			<i>For Work In Restricted Working Space, Add</i>	31.32	
26 05 33 13-2266	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	174.94	43.96
			<i>For Work In Restricted Working Space, Add</i>	32.97	
26 05 33 13-2267	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	188.57	46.17
			<i>For Work In Restricted Working Space, Add</i>	34.62	
26 05 33 13-2268	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	202.21	48.36
			<i>For Work In Restricted Working Space, Add</i>	36.27	
26 05 33 13-2269	EA	5"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	228.11	50.56
			<i>For Work In Restricted Working Space, Add</i>	37.92	
26 05 33 13-2270	EA	6"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	259.02	52.76
			<i>For Work In Restricted Working Space, Add</i>	39.57	
26 05 33 13-2271 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters					
			(26 05 33 13-2179)		
26 05 33 13-2272	EA	1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	94.57	6.15
			<i>For Work In Restricted Working Space, Add</i>	4.62	
26 05 33 13-2273	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	105.55	7.03
			<i>For Work In Restricted Working Space, Add</i>	5.28	
26 05 33 13-2274	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	110.44	7.91
			<i>For Work In Restricted Working Space, Add</i>	5.93	
26 05 33 13-2275	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	115.47	8.79
			<i>For Work In Restricted Working Space, Add</i>	6.60	
26 05 33 13-2276	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	119.11	9.68
			<i>For Work In Restricted Working Space, Add</i>	7.25	
26 05 33 13-2277	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	130.34	10.55
			<i>For Work In Restricted Working Space, Add</i>	7.91	
26 05 33 13-2278	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	154.46	11.87
			<i>For Work In Restricted Working Space, Add</i>	8.90	
26 05 33 13-2279	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	182.62	13.19
			<i>For Work In Restricted Working Space, Add</i>	9.89	
26 05 33 13-2280	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	206.82	15.39
			<i>For Work In Restricted Working Space, Add</i>	11.54	
26 05 33 13-2281	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	231.04	17.59
			<i>For Work In Restricted Working Space, Add</i>	13.19	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
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26 05 33 13-2282	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	283.38	19.78
		<i>For Work In Restricted Working Space, Add</i>	14.84	
26 05 33 13-2283	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	345.53	21.99
		<i>For Work In Restricted Working Space, Add</i>	16.49	

26 05 33 13-2284 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints
(26 05 33 13-2179)

26 05 33 13-2285	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	104.97	21.99
		<i>For Work In Restricted Working Space, Add</i>	16.49	
26 05 33 13-2286	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	121.54	26.37
		<i>For Work In Restricted Working Space, Add</i>	19.79	
26 05 33 13-2287	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	145.61	30.77
		<i>For Work In Restricted Working Space, Add</i>	23.08	
26 05 33 13-2288	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	180.51	35.17
		<i>For Work In Restricted Working Space, Add</i>	26.38	
26 05 33 13-2289	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	220.34	37.37
		<i>For Work In Restricted Working Space, Add</i>	28.03	
26 05 33 13-2290	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	287.02	39.56
		<i>For Work In Restricted Working Space, Add</i>	29.68	
26 05 33 13-2291	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	400.40	41.77
		<i>For Work In Restricted Working Space, Add</i>	31.32	
26 05 33 13-2292	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	476.94	43.96
		<i>For Work In Restricted Working Space, Add</i>	32.97	
26 05 33 13-2293	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	566.79	46.17
		<i>For Work In Restricted Working Space, Add</i>	34.62	
26 05 33 13-2294	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	656.65	48.36
		<i>For Work In Restricted Working Space, Add</i>	36.27	
26 05 33 13-2295	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	762.78	50.56
		<i>For Work In Restricted Working Space, Add</i>	37.92	
26 05 33 13-2296	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,212.26	52.76
		<i>For Work In Restricted Working Space, Add</i>	39.57	

26 05 33 13-2297 Spacers
(26 05 33 13-1868)

Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1868 for conduit.

26 05 33 13-2298	EA	1" Base Spacers, Average 4" Wide, Direct Burial	11.87	
26 05 33 13-2299	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	12.73	
26 05 33 13-2300	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial.....	14.10	
26 05 33 13-2301	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	15.14	
26 05 33 13-2302	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	14.24	
26 05 33 13-2303	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	15.24	
26 05 33 13-2304	EA	2" Base Spacer, Average 4" Wide, Direct Burial	17.61	
26 05 33 13-2305	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	16.35	
26 05 33 13-2306	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	19.45	
26 05 33 13-2307	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	18.82	
26 05 33 13-2308	EA	3" Base Spacer, Average 4" Wide, Direct Burial.....	22.21	
26 05 33 13-2309	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	21.25	
26 05 33 13-2310	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	24.07	
26 05 33 13-2311	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	23.04	
26 05 33 13-2312	EA	4" Base Spacer, Average 4" Wide, Direct Burial.....	24.82	
26 05 33 13-2313	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	23.69	
26 05 33 13-2314	EA	5" Base Spacer, Average 4" Wide, Direct Burial.....	27.46	
26 05 33 13-2315	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	26.11	
26 05 33 13-2316	EA	6" Base Spacer, Average 4" Wide, Direct Burial.....	31.18	
26 05 33 13-2317	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	30.04	

26 05 33 13-2318 Conduit Field Bending
(26 05 33 13-0058)

Note: Conduit tasks by LF include field bending up to and include 1" conduit.

26 05 33 13-2319 Metallic Conduit Field Bending
(26 05 33 13-2318)

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).

26 05 33 13-2320	EA	1-1/4" Metallic Conduit Field Bending	21.27	
		<i>For Aluminum Conduit Bending, Add</i>	14.04	
26 05 33 13-2321	EA	1-1/2" Metallic Conduit Field Bending	26.60	
		<i>For Aluminum Conduit Bending, Add</i>	17.56	
26 05 33 13-2322	EA	2" Metallic Conduit Field Bending	33.24	
		<i>For Aluminum Conduit Bending, Add</i>	21.94	
26 05 33 13-2323	EA	2-1/2" Metallic Conduit Field Bending	46.54	
		<i>For Aluminum Conduit Bending, Add</i>	30.72	
26 05 33 13-2324	EA	3" Metallic Conduit Field Bending	59.84	
		<i>For Aluminum Conduit Bending, Add</i>	39.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2325	EA		3-1/2" Metallic Conduit Field Bending.....	79.79	
			For Aluminum Conduit Bending, Add	52.66	
26 05 33 13-2326	EA		4" Metallic Conduit Field Bending.....	93.09	
			For Aluminum Conduit Bending, Add	61.44	
26 05 33 13-2327	EA		5" Metallic Conduit Field Bending.....	106.37	
			For Aluminum Conduit Bending, Add	70.20	
26 05 33 13-2328	EA		6" Metallic Conduit Field Bending.....	126.33	
			For Aluminum Conduit Bending, Add	83.38	
26 05 33 13-2329 Plastic Conduit Field Bending (26 05 33 13-2318)					
			Note: For PVC conduits.		
26 05 33 13-2330	EA		1" Plastic Conduit Field Bending.....	30.59	
26 05 33 13-2331	EA		1-1/4" Plastic Conduit Field Bending.....	33.24	
26 05 33 13-2332	EA		1-1/2" Plastic Conduit Field Bending.....	39.89	
26 05 33 13-2333	EA		2" Plastic Conduit Field Bending.....	53.19	
26 05 33 13-2334	EA		2-1/2" Plastic Conduit Field Bending.....	66.49	
26 05 33 13-2335	EA		3" Plastic Conduit Field Bending.....	79.79	
26 05 33 13-2336	EA		3-1/2" Plastic Conduit Field Bending.....	93.09	
26 05 33 13-2337	EA		4" Plastic Conduit Field Bending.....	106.37	
26 05 33 13-2338	EA		5" Plastic Conduit Field Bending.....	119.67	
26 05 33 13-2339	EA		6" Plastic Conduit Field Bending.....	132.97	
26 05 33 13-2340 Cut And Thread Existing In-Place Threaded Conduit (26 05 33 13-0058)					
			Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2341	EA		1/2", Cut And Thread Existing In-Place Threaded Conduit.....	38.96	
			For Work In Restricted Working Space, Add	11.69	
26 05 33 13-2342	EA		3/4", Cut And Thread Existing In-Place Threaded Conduit.....	42.85	
			For Work In Restricted Working Space, Add	12.86	
26 05 33 13-2343	EA		1", Cut And Thread Existing In-Place Threaded Conduit.....	46.75	
			For Work In Restricted Working Space, Add	14.03	
26 05 33 13-2344	EA		1-1/4", Cut And Thread Existing In-Place Threaded Conduit.....	50.64	
			For Work In Restricted Working Space, Add	15.19	
26 05 33 13-2345	EA		1-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	53.24	
			For Work In Restricted Working Space, Add	15.97	
26 05 33 13-2346	EA		2", Cut And Thread Existing In-Place Threaded Conduit.....	55.84	
			For Work In Restricted Working Space, Add	16.75	
26 05 33 13-2347	EA		2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	58.43	
			For Work In Restricted Working Space, Add	17.53	
26 05 33 13-2348	EA		3", Cut And Thread Existing In-Place Threaded Conduit.....	61.03	
			For Work In Restricted Working Space, Add	18.31	
26 05 33 13-2349	EA		3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	62.33	
			For Work In Restricted Working Space, Add	18.70	
26 05 33 13-2350	EA		4", Cut And Thread Existing In-Place Threaded Conduit.....	63.63	
			For Work In Restricted Working Space, Add	19.09	
26 05 33 13-2351	EA		5", Cut And Thread Existing In-Place Threaded Conduit.....	66.23	
			For Work In Restricted Working Space, Add	19.87	
26 05 33 13-2352	EA		6", Cut And Thread Existing In-Place Threaded Conduit.....	68.83	
			For Work In Restricted Working Space, Add	20.65	
26 05 33 13-2353 Flexible Conduit (26 05 33 13-0058)					
26 05 33 13-2354 Flexible Liquid Tight Metallic Conduit And Connectors (26 05 33 13-2353)					
			Note: Steel inner core with PVC cover.		
26 05 33 13-2355 Flexible Liquid Tight Metallic Conduit (26 05 33 13-2354)					
26 05 33 13-2356	LF		3/8" Flexible Liquid Tight Metallic Conduit.....	4.98	1.42
			For Work In Restricted Working Space, Add	1.07	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.53	
26 05 33 13-2357	LF		1/2" Flexible Liquid Tight Metallic Conduit.....	5.19	1.42
			For Work In Restricted Working Space, Add	1.07	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.53	
26 05 33 13-2358	LF		3/4" Flexible Liquid Tight Metallic Conduit.....	6.95	1.89
			For Work In Restricted Working Space, Add	1.42	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.71	
26 05 33 13-2359	LF		1" Flexible Liquid Tight Metallic Conduit.....	8.08	1.89
			For Work In Restricted Working Space, Add	1.42	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.71	
26 05 33 13-2360	LF		1-1/4" Flexible Liquid Tight Metallic Conduit.....	10.47	2.37
			For Work In Restricted Working Space, Add	1.78	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.89	
26 05 33 13-2361	LF		1-1/2" Flexible Liquid Tight Metallic Conduit.....	13.49	2.85
			For Work In Restricted Working Space, Add	2.13	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.07	
26 05 33 13-2362	LF		2" Flexible Liquid Tight Metallic Conduit.....	17.73	3.79
			For Work In Restricted Working Space, Add	2.84	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.42	
26 05 33 13-2363	LF		2-1/2" Flexible Liquid Tight Metallic Conduit.....	24.31	4.26
			For Work In Restricted Working Space, Add	3.20	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.60	
26 05 33 13-2364	LF		3" Flexible Liquid Tight Metallic Conduit.....	35.97	5.21
			For Work In Restricted Working Space, Add	3.91	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.95	
26 05 33 13-2365	LF		4" Flexible Liquid Tight Metallic Conduit.....	49.34	6.64
			For Work In Restricted Working Space, Add	4.98	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.49	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
26 05 33 13-2366 Straight Liquid Tight Connector (26 05 33 13-2354)

26 05 33 13-2367	EA 3/8" Straight Liquid Tight Connector	13.52	3.79
	For Work In Restricted Working Space, Add	2.84	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.84	
26 05 33 13-2368	EA 1/2" Straight Liquid Tight Connector	13.52	3.79
	For Work In Restricted Working Space, Add	2.84	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.84	
26 05 33 13-2369	EA 3/4" Straight Liquid Tight Connector	16.47	4.26
	For Work In Restricted Working Space, Add	3.20	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.20	
26 05 33 13-2370	EA 1" Straight Liquid Tight Connector	22.20	4.74
	For Work In Restricted Working Space, Add	3.56	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.56	
26 05 33 13-2371	EA 1-1/4" Straight Liquid Tight Connector	28.67	5.21
	For Work In Restricted Working Space, Add	3.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
26 05 33 13-2372	EA 1-1/2" Straight Liquid Tight Connector	36.53	5.68
	For Work In Restricted Working Space, Add	4.26	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.26	
26 05 33 13-2373	EA 2" Straight Liquid Tight Connector	50.59	6.64
	For Work In Restricted Working Space, Add	4.98	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 05 33 13-2374	EA 2-1/2" Straight Liquid Tight Connector	175.68	8.53
	For Work In Restricted Working Space, Add	6.40	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 33 13-2375	EA 3" Straight Liquid Tight Connector	226.92	9.00
	For Work In Restricted Working Space, Add	6.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-2376	EA 4" Straight Liquid Tight Connector	277.30	13.27
	For Work In Restricted Working Space, Add	9.95	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.95	

26 05 33 13-2377 90 Degree Angle Liquid Tight Connector (26 05 33 13-2354)

26 05 33 13-2378	EA 3/8" 90 Degree Angle Liquid Tight Connector	19.79	5.21
	For Work In Restricted Working Space, Add	3.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
26 05 33 13-2379	EA 1/2" 90 Degree Angle Liquid Tight Connector	20.66	5.21
	For Work In Restricted Working Space, Add	3.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
26 05 33 13-2380	EA 3/4" 90 Degree Angle Liquid Tight Connector	23.39	5.68
	For Work In Restricted Working Space, Add	4.26	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.26	
26 05 33 13-2381	EA 1" 90 Degree Angle Liquid Tight Connector	33.28	6.64
	For Work In Restricted Working Space, Add	4.98	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 05 33 13-2382	EA 1-1/4" 90 Degree Angle Liquid Tight Connector	42.17	7.11
	For Work In Restricted Working Space, Add	5.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-2383	EA 1-1/2" 90 Degree Angle Liquid Tight Connector	51.36	7.58
	For Work In Restricted Working Space, Add	5.69	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	
26 05 33 13-2384	EA 2" 90 Degree Angle Liquid Tight Connector	68.25	8.53
	For Work In Restricted Working Space, Add	6.40	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.40	
26 05 33 13-2385	EA 2-1/2" 90 Degree Angle Liquid Tight Connector	246.02	9.00
	For Work In Restricted Working Space, Add	6.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-2386	EA 3" 90 Degree Angle Liquid Tight Connector	290.76	10.42
	For Work In Restricted Working Space, Add	7.82	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.82	
26 05 33 13-2387	EA 4" 90 Degree Angle Liquid Tight Connector	401.78	16.59
	For Work In Restricted Working Space, Add	12.44	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.44	

26 05 33 13-2388 45 Degree Angle Connector (26 05 33 13-2354)

26 05 33 13-2389	EA 3/8" 45 Degree Angle Liquid Tight Connector	19.50	5.21
	For Work In Restricted Working Space, Add	3.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
26 05 33 13-2390	EA 1/2" 45 Degree Angle Liquid Tight Connector	19.70	5.21
	For Work In Restricted Working Space, Add	3.91	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.91	
26 05 33 13-2391	EA 3/4" 45 Degree Angle Liquid Tight Connector	23.39	5.68
	For Work In Restricted Working Space, Add	4.26	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.26	
26 05 33 13-2392	EA 1" 45 Degree Angle Liquid Tight Connector	35.66	6.64
	For Work In Restricted Working Space, Add	4.98	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 05 33 13-2393	EA 1-1/4" 45 Degree Angle Liquid Tight Connector	40.63	7.11
	For Work In Restricted Working Space, Add	5.33	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.33	
26 05 33 13-2394	EA 1-1/2" 45 Degree Angle Liquid Tight Connector	45.61	7.58
	For Work In Restricted Working Space, Add	5.69	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2395		Flexible Metallic Conduit And Connectors (26 05 33 13-2395)		
26 05 33 13-2396		Flexible Steel Conduit (26 05 33 13-2396)		
26 05 33 13-2397	LF	3/8" Flexible Metallic Conduit.....	4.63	1.55
		For Work In Restricted Working Space, Add	1.14	
		For Installation In Metal Stud Wall, Add	0.38	
		For Installation In Wood Stud Wall (Includes Drilling), Add	0.95	
		For Flexible Aluminum Conduit, Add	0.14	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.57	
26 05 33 13-2398	LF	1/2" Flexible Metallic Conduit.....	4.81	1.55
		For Work In Restricted Working Space, Add	1.17	
		For Installation In Metal Stud Wall, Add	0.39	
		For Installation In Wood Stud Wall (Includes Drilling), Add	0.97	
		For Flexible Aluminum Conduit, Add	0.15	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.58	
26 05 33 13-2399	LF	3/4" Flexible Metallic Conduit.....	5.47	2.07
		For Work In Restricted Working Space, Add	1.27	
		For Installation In Metal Stud Wall, Add	0.42	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.06	
		For Flexible Aluminum Conduit, Add	0.21	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.63	
26 05 33 13-2400	LF	1" Flexible Metallic Conduit.....	6.87	2.07
		For Work In Restricted Working Space, Add	1.36	
		For Installation In Metal Stud Wall, Add	0.45	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.14	
		For Flexible Aluminum Conduit, Add	0.38	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
26 05 33 13-2401	LF	1-1/4" Flexible Metallic Conduit.....	7.84	2.60
		For Work In Restricted Working Space, Add	1.44	
		For Installation In Metal Stud Wall, Add	0.48	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.20	
		For Flexible Aluminum Conduit, Add	0.50	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.72	
26 05 33 13-2402	LF	1-1/2" Flexible Metallic Conduit.....	10.32	3.12
		For Work In Restricted Working Space, Add	1.50	
		For Installation In Metal Stud Wall, Add	0.50	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.25	
		For Flexible Aluminum Conduit, Add	0.88	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.75	
26 05 33 13-2403	LF	2" Flexible Metallic Conduit.....	11.73	4.15
		For Work In Restricted Working Space, Add	1.56	
		For Installation In Metal Stud Wall, Add	0.52	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.30	
		For Flexible Aluminum Conduit, Add	1.08	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.78	
26 05 33 13-2404	LF	2-1/2" Flexible Steel Conduit.....	14.39	4.67
		For Work In Restricted Working Space, Add	1.94	
		For Installation In Metal Stud Wall, Add	0.65	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.62	
		For Flexible Aluminum Conduit, Add	1.31	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.97	
26 05 33 13-2405	LF	3" Flexible Metallic Conduit.....	21.52	5.70
		For Work In Restricted Working Space, Add	2.33	
		For Installation In Metal Stud Wall, Add	0.78	
		For Installation In Wood Stud Wall (Includes Drilling), Add	1.95	
		For Flexible Aluminum Conduit, Add	2.27	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.17	
26 05 33 13-2406	LF	3-1/2" Flexible Metallic Conduit.....	26.40	6.22
		For Work In Restricted Working Space, Add	2.72	
		For Installation In Metal Stud Wall, Add	0.91	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.27	
		For Flexible Aluminum Conduit, Add	2.86	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.36	
26 05 33 13-2407	LF	4" Flexible Metallic Conduit.....	30.36	7.27
		For Work In Restricted Working Space, Add	3.11	
		For Installation In Metal Stud Wall, Add	1.04	
		For Installation In Wood Stud Wall (Includes Drilling), Add	2.59	
		For Flexible Aluminum Conduit, Add	3.30	
		For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.56	
26 05 33 13-2408		Plain Squeeze Type Straight Connector (26 05 33 13-2395)		
26 05 33 13-2409	EA	3/8" Flexible Straight Connectors, Plain.....	7.94	4.15
		For Work In Restricted Working Space, Add	1.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.75	
26 05 33 13-2410	EA	1/2" Flexible Straight Connectors, Plain.....	9.83	4.67
		For Work In Restricted Working Space, Add	1.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.94	
26 05 33 13-2411	EA	3/4" Flexible Straight Connectors, Plain.....	11.31	5.70
		For Work In Restricted Working Space, Add	2.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.33	
26 05 33 13-2412	EA	1" Flexible Straight Connectors, Plain.....	18.11	6.22
		For Work In Restricted Working Space, Add	3.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2413	EA	1-1/4" Flexible Straight Connectors, Plain.....	25.64	7.27
		For Work In Restricted Working Space, Add	3.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.89	
26 05 33 13-2414	EA	1-1/2" Flexible Straight Connectors, Plain.....	33.79	8.82
		For Work In Restricted Working Space, Add	4.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.86	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2415	EA	2" Flexible Straight Connectors, Plain.....	44.47	8.82
		<i>For Work In Restricted Working Space, Add</i>	5.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.84	
26 05 33 13-2416	EA	2-1/2" Flexible Straight Connectors, Plain	71.84	10.89
		<i>For Work In Restricted Working Space, Add</i>	6.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.81	
26 05 33 13-2417	EA	3" Flexible Straight Connectors, Plain.....	94.07	11.92
		<i>For Work In Restricted Working Space, Add</i>	7.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
26 05 33 13-2418	EA	3-1/2" Flexible Straight Connectors, Plain	292.71	14.00
		<i>For Work In Restricted Working Space, Add</i>	8.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.75	
26 05 33 13-2419	EA	4" Flexible Straight Connectors, Plain.....	365.82	17.12
		<i>For Work In Restricted Working Space, Add</i>	9.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.73	

26 05 33 13-2420 Insulated Throat Squeeze Type Straight Connector (26 05 33 13-2395)

26 05 33 13-2421	EA	1/2" Flexible Straight Connectors, Insulated	10.98	4.67
		<i>For Work In Restricted Working Space, Add</i>	1.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.94	
26 05 33 13-2422	EA	3/4" Flexible Straight Connectors, Insulated	12.82	5.70
		<i>For Work In Restricted Working Space, Add</i>	2.33	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.33	
26 05 33 13-2423	EA	1" Flexible Straight Connectors, Insulated	20.17	6.22
		<i>For Work In Restricted Working Space, Add</i>	3.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.11	
26 05 33 13-2424	EA	1-1/4" Flexible Straight Connectors, Insulated	29.42	7.27
		<i>For Work In Restricted Working Space, Add</i>	3.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.89	
26 05 33 13-2425	EA	1-1/2" Flexible Straight Connectors, Insulated	40.52	7.78
		<i>For Work In Restricted Working Space, Add</i>	4.86	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.86	
26 05 33 13-2426	EA	2" Flexible Straight Connectors, Insulated	56.35	8.82
		<i>For Work In Restricted Working Space, Add</i>	5.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.84	
26 05 33 13-2427	EA	2-1/2" Flexible Straight Connectors, Insulated	97.25	10.89
		<i>For Work In Restricted Working Space, Add</i>	6.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.81	
26 05 33 13-2428	EA	3" Flexible Straight Connectors, Insulated	124.03	11.92
		<i>For Work In Restricted Working Space, Add</i>	7.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
26 05 33 13-2429	EA	3-1/2" Flexible Straight Connectors, Insulated	338.88	14.00
		<i>For Work In Restricted Working Space, Add</i>	8.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.75	
26 05 33 13-2430	EA	4" Flexible Straight Connectors, Insulated	435.25	17.12
		<i>For Work In Restricted Working Space, Add</i>	9.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.73	

26 05 33 13-2431 Plain Squeeze Type 90 Degree Connector (26 05 33 13-2395)

26 05 33 13-2432	EA	3/8" Flexible 90 Degree Connector, Plain	11.16	5.19
		<i>For Work In Restricted Working Space, Add</i>	2.33	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.33	
26 05 33 13-2433	EA	1/2" Flexible 90 Degree Connector, Plain	14.73	5.70
		<i>For Work In Restricted Working Space, Add</i>	2.72	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.72	
26 05 33 13-2434	EA	3/4" Flexible 90 Degree Connector, Plain	19.22	6.22
		<i>For Work In Restricted Working Space, Add</i>	3.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.11	
26 05 33 13-2435	EA	1" Flexible 90 Degree Connector, Plain	26.94	7.27
		<i>For Work In Restricted Working Space, Add</i>	3.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.89	
26 05 33 13-2436	EA	1-1/4" Flexible 90 Degree Connector, Plain	42.08	7.78
		<i>For Work In Restricted Working Space, Add</i>	4.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.67	
26 05 33 13-2437	EA	1-1/2" Flexible 90 Degree Connector, Plain	65.80	9.08
		<i>For Work In Restricted Working Space, Add</i>	5.84	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.84	
26 05 33 13-2438	EA	2" Flexible 90 Degree Connector, Plain	79.36	11.15
		<i>For Work In Restricted Working Space, Add</i>	6.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 05 33 13-2439	EA	2-1/2" Flexible 90 Degree Connector, Plain	175.32	11.92
		<i>For Work In Restricted Working Space, Add</i>	7.78	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.78	
26 05 33 13-2440	EA	3" Flexible 90 Degree Connector, Plain	225.29	14.00
		<i>For Work In Restricted Working Space, Add</i>	8.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.75	
26 05 33 13-2441	EA	3-1/2" Flexible 90 Degree Connector, Plain	478.42	17.12
		<i>For Work In Restricted Working Space, Add</i>	9.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.73	
26 05 33 13-2442	EA	4" Flexible 90 Degree Connector, Plain	855.03	19.45
		<i>For Work In Restricted Working Space, Add</i>	11.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.67	

26 05 33 13-2443 Insulated Throat Squeeze Type 90 Degree Connector (26 05 33 13-2395)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2444	EA	1/2" Flexible 90 Degree Connector, Insulated	16.33	5.70
		For Work In Restricted Working Space, Add	2.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.72	
26 05 33 13-2445	EA	3/4" Flexible 90 Degree Connector, Insulated	21.19	6.22
		For Work In Restricted Working Space, Add	3.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2446	EA	1" Flexible 90 Degree Connector, Insulated	26.94	7.27
		For Work In Restricted Working Space, Add	3.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.89	
26 05 33 13-2447	EA	1-1/4" Flexible 90 Degree Connector, Insulated	49.09	7.78
		For Work In Restricted Working Space, Add	4.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.67	
26 05 33 13-2448	EA	1-1/2" Flexible 90 Degree Connector, Insulated	78.53	9.08
		For Work In Restricted Working Space, Add	5.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84	
26 05 33 13-2449	EA	2" Flexible 90 Degree Connector, Insulated	100.06	11.15
		For Work In Restricted Working Space, Add	6.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
26 05 33 13-2450	EA	2-1/2" Flexible 90 Degree Connector, Insulated	240.02	11.92
		For Work In Restricted Working Space, Add	7.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.78	
26 05 33 13-2451	EA	3" Flexible 90 Degree Connector, Insulated	295.39	14.00
		For Work In Restricted Working Space, Add	8.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.75	
26 05 33 13-2452	EA	3-1/2" Flexible 90 Degree Connector, Insulated	796.13	17.12
		For Work In Restricted Working Space, Add	9.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.73	
26 05 33 13-2453	EA	4" Flexible 90 Degree Connector, Insulated	1,187.79	19.45
		For Work In Restricted Working Space, Add	11.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.67	
26 05 33 13-2454 Plain Squeeze Type 45 Degree Connector (26 05 33 13-2395)				
26 05 33 13-2455	EA	3/8" Flexible 45 Degree Connector, Plain	12.45	5.19
		For Work In Restricted Working Space, Add	2.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.33	
26 05 33 13-2456	EA	1/2" Flexible 45 Degree Connector, Plain	16.80	5.70
		For Work In Restricted Working Space, Add	2.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.72	
26 05 33 13-2457	EA	3/4" Flexible 45 Degree Connector, Plain	21.53	6.22
		For Work In Restricted Working Space, Add	3.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2458 Insulated Squeeze Type 45 Degree Connector (26 05 33 13-2395)				
26 05 33 13-2459	EA	3/8" Flexible 45 Degree Connector, Insulated	13.34	6.22
		For Work In Restricted Working Space, Add	2.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.33	
26 05 33 13-2460	EA	1/2" Flexible 45 Degree Connector, Insulated	18.26	5.70
		For Work In Restricted Working Space, Add	2.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.72	
26 05 33 13-2461	EA	3/4" Flexible 45 Degree Connector, Insulated	23.60	6.22
		For Work In Restricted Working Space, Add	3.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2462 Plain Screw-In Connector (26 05 33 13-2395)				
26 05 33 13-2463	EA	3/8" Flexible Steel Screw-in Connector, Plain	6.61	4.15
		For Work In Restricted Working Space, Add	1.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.75	
26 05 33 13-2464	EA	1/2" Flexible Steel Screw-in Connector, Plain	7.13	4.67
		For Work In Restricted Working Space, Add	1.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.94	
26 05 33 13-2465	EA	3/4" Flexible Steel Screw-in Connector, Plain	9.09	5.70
		For Work In Restricted Working Space, Add	2.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.33	
26 05 33 13-2466	EA	1" Flexible Steel Screw-in Connector, Plain	13.01	6.22
		For Work In Restricted Working Space, Add	3.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11	
26 05 33 13-2467	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	19.15	7.27
		For Work In Restricted Working Space, Add	3.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.89	
26 05 33 13-2468	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	23.40	7.78
		For Work In Restricted Working Space, Add	4.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.86	
26 05 33 13-2469	EA	2" Flexible Steel Screw-in Connector, Plain	34.39	8.82
		For Work In Restricted Working Space, Add	5.84	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84	
26 05 33 13-2470 Insulated Screw-In Connector (26 05 33 13-2395)				
26 05 33 13-2471	EA	3/8" Flexible Steel Screw-in Connector, Insulated	6.99	4.15
		For Work In Restricted Working Space, Add	1.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.75	
26 05 33 13-2472	EA	1/2" Flexible Steel Screw-in Connector, Insulated	7.43	4.67
		For Work In Restricted Working Space, Add	1.94	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.94	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 05 33 13-2473	EA	3/4" Flexible Steel Screw-in Connector, Insulated	9.88	5.70	
		For Work In Restricted Working Space, Add	2.33		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.33		
26 05 33 13-2474	EA	1" Flexible Steel Screw-in Connector, Insulated	14.21	6.22	
		For Work In Restricted Working Space, Add	3.11		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11		
26 05 33 13-2475	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	20.85	7.27	
		For Work In Restricted Working Space, Add	3.89		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.89		
26 05 33 13-2476	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	25.44	7.78	
		For Work In Restricted Working Space, Add	4.86		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.86		
26 05 33 13-2477	EA	2" Flexible Steel Screw-in Connector, Insulated	36.19	8.82	
		For Work In Restricted Working Space, Add	5.84		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84		
26 05 33 13-2478 Screw-In Coupling (26 05 33 13-2395)					
26 05 33 13-2479	EA	1/2" Flexible Steel Screw-in Coupling	7.88	4.67	
		For Work In Restricted Working Space, Add	1.94		
26 05 33 13-2480	EA	3/4" Flexible Steel Screw-in Coupling	10.33	5.70	
		For Work In Restricted Working Space, Add	2.33		
26 05 33 13-2481 Flexible To Electrical Metallic Tubing (EMT) Coupling (26 05 33 13-2395)					
26 05 33 13-2482	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	10.58	4.15	
		For Work In Restricted Working Space, Add	1.75		
26 05 33 13-2483	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	14.40	4.67	
		For Work In Restricted Working Space, Add	1.94		
26 05 33 13-2484	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	19.04	5.70	
		For Work In Restricted Working Space, Add	2.33		
26 05 33 13-2485 Die Cast Squeeze Type Straight Connector (26 05 33 13-2395)					
26 05 33 13-2486	EA	3/8" Flexible Straight Connector, Die Cast	6.85	4.15	
		For Work In Restricted Working Space, Add	1.75		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.75		
26 05 33 13-2487	EA	1/2" Flexible Straight Connector, Die Cast	7.75	4.67	
		For Work In Restricted Working Space, Add	1.94		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.94		
26 05 33 13-2488	EA	3/4" Flexible Straight Connector, Die Cast	9.62	5.70	
		For Work In Restricted Working Space, Add	2.33		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.33		
26 05 33 13-2489	EA	1" Flexible Straight Connector, Die Cast	14.48	6.22	
		For Work In Restricted Working Space, Add	3.11		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11		
26 05 33 13-2490	EA	1-1/4" Flexible Straight Connector, Die Cast	19.51	7.27	
		For Work In Restricted Working Space, Add	3.89		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.89		
26 05 33 13-2491	EA	1-1/2" Flexible Straight Connector, Die Cast	26.47	7.78	
		For Work In Restricted Working Space, Add	4.86		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.86		
26 05 33 13-2492	EA	2" Flexible Straight Connector, Die Cast	34.22	8.82	
		For Work In Restricted Working Space, Add	5.84		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84		
26 05 33 13-2493 Die Cast Squeeze Type 90 Degree Connector (26 05 33 13-2395)					
26 05 33 13-2494	EA	3/8" Flexible 90 Degree Connector, Die Cast	9.08	5.19	
		For Work In Restricted Working Space, Add	2.33		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.33		
26 05 33 13-2495	EA	1/2" Flexible 90 Degree Connector, Die Cast	11.26	5.70	
		For Work In Restricted Working Space, Add	2.72		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.72		
26 05 33 13-2496	EA	3/4" Flexible 90 Degree Connector, Die Cast	13.65	6.22	
		For Work In Restricted Working Space, Add	3.11		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.11		
26 05 33 13-2497	EA	1" Flexible 90 Degree Connector, Die Cast	21.64	7.27	
		For Work In Restricted Working Space, Add	3.89		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.89		
26 05 33 13-2498	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	30.70	7.78	
		For Work In Restricted Working Space, Add	4.67		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.67		
26 05 33 13-2499	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	47.70	9.08	
		For Work In Restricted Working Space, Add	5.84		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.84		
26 05 33 13-2500	EA	2" Flexible 90 Degree Connector, Die Cast	57.04	11.15	
		For Work In Restricted Working Space, Add	6.62		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62		
26 05 33 13-2501 Flexible Liquid Tight Non-Metallic Conduit And Connectors (26 05 33 13-2353)					
26 05 33 13-2502 Flexible Liquid Tight Non-Metallic Conduit (26 05 33 13-2501)					
26 05 33 13-2503	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	4.46	1.42	
		For Work In Restricted Working Space, Add	1.07		
26 05 33 13-2504	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	4.54	1.42	
		For Work In Restricted Working Space, Add	1.07		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2505	LF		3/4" Flexible Liquid Tight Non-Metallic Conduit	6.09	1.89
			<i>For Work In Restricted Working Space, Add</i>	1.42	
26 05 33 13-2506	LF		1" Flexible Liquid Tight Non-Metallic Conduit	7.48	1.89
			<i>For Work In Restricted Working Space, Add</i>	1.42	
26 05 33 13-2507	LF		1-1/4" Flexible Liquid Tight Non-Metallic Conduit	9.48	2.37
			<i>For Work In Restricted Working Space, Add</i>	1.78	
26 05 33 13-2508	LF		1-1/2" Flexible Liquid Tight Non-Metallic Conduit	12.07	2.85
			<i>For Work In Restricted Working Space, Add</i>	2.13	
26 05 33 13-2509	LF		2" Flexible Liquid Tight Non-Metallic Conduit	15.51	3.79
			<i>For Work In Restricted Working Space, Add</i>	2.84	
26 05 33 13-2510 Liquid Tight Non-Metallic Straight Connector (26 05 33 13-2501)					
26 05 33 13-2511	EA		3/8" Liquid Tight Non-Metallic Straight Connector	12.80	3.79
			<i>For Work In Restricted Working Space, Add</i>	2.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.84	
26 05 33 13-2512	EA		1/2" Liquid Tight Non-Metallic Straight Connector	12.80	3.79
			<i>For Work In Restricted Working Space, Add</i>	2.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.84	
26 05 33 13-2513	EA		3/4" Liquid Tight Non-Metallic Straight Connector	15.60	4.26
			<i>For Work In Restricted Working Space, Add</i>	3.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.20	
26 05 33 13-2514	EA		1" Liquid Tight Non-Metallic Straight Connector	19.26	4.74
			<i>For Work In Restricted Working Space, Add</i>	3.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 33 13-2515	EA		1-1/4" Liquid Tight Non-Metallic Straight Connector	26.32	5.21
			<i>For Work In Restricted Working Space, Add</i>	3.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91	
26 05 33 13-2516	EA		1-1/2" Liquid Tight Non-Metallic Straight Connector	32.71	5.68
			<i>For Work In Restricted Working Space, Add</i>	4.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.26	
26 05 33 13-2517	EA		2" Liquid Tight Non-Metallic Straight Connector	50.53	6.64
			<i>For Work In Restricted Working Space, Add</i>	4.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98	
26 05 33 13-2518 Liquid Tight Non-Metallic 90 Degree Angle Connector (26 05 33 13-2501)					
26 05 33 13-2519	EA		3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	18.45	5.21
			<i>For Work In Restricted Working Space, Add</i>	3.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91	
26 05 33 13-2520	EA		1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	18.45	5.21
			<i>For Work In Restricted Working Space, Add</i>	3.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91	
26 05 33 13-2521	EA		3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	22.55	5.68
			<i>For Work In Restricted Working Space, Add</i>	4.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.26	
26 05 33 13-2522	EA		1" Liquid Tight Non-Metallic 90 Degree Angle Connector	31.64	6.64
			<i>For Work In Restricted Working Space, Add</i>	4.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98	
26 05 33 13-2523	EA		1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	32.74	7.11
			<i>For Work In Restricted Working Space, Add</i>	5.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.33	
26 05 33 13-2524	EA		1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	51.05	7.58
			<i>For Work In Restricted Working Space, Add</i>	5.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.69	
26 05 33 13-2525	EA		2" Liquid Tight Non-Metallic 90 Degree Angle Connector	68.29	8.53
			<i>For Work In Restricted Working Space, Add</i>	6.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.40	
26 05 33 13-2526 Liquid Tight Non-Metallic 45 Degree Angle Connector (26 05 33 13-2501)					
26 05 33 13-2527	EA		3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	18.45	5.21
			<i>For Work In Restricted Working Space, Add</i>	3.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91	
26 05 33 13-2528	EA		1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	18.45	5.21
			<i>For Work In Restricted Working Space, Add</i>	3.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91	
26 05 33 13-2529	EA		3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	22.55	5.68
			<i>For Work In Restricted Working Space, Add</i>	4.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.26	
26 05 33 13-2530	EA		1" Liquid Tight Non-Metallic 45 Degree Angle Connector	31.64	6.64
			<i>For Work In Restricted Working Space, Add</i>	4.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.98	
26 05 33 13-2531	EA		1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	32.74	7.11
			<i>For Work In Restricted Working Space, Add</i>	5.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.33	
26 05 33 13-2532	EA		1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	51.05	7.58
			<i>For Work In Restricted Working Space, Add</i>	5.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.69	
26 05 33 13-2533	EA		2" Liquid Tight Non-Metallic 45 Degree Angle Connector	68.29	8.53
			<i>For Work In Restricted Working Space, Add</i>	6.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.40	
26 05 33 13-2534			Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2533)		
			Note: Carlon - FLEX-PLUS.		
26 05 33 13-2535			Blue ENT Electrical Non-Metallic Tubing (26 05 33 13-2534)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-2536	LF 1/2" Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	5.55 1.17		1.55
26 05 33 13-2537	LF 3/4" Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	7.51 1.56		2.07
26 05 33 13-2538	LF 1" Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	8.93 1.56		2.07
26 05 33 13-2539 Terminal Adapter (26 05 33 13-2534)				
26 05 33 13-2540	EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.10 3.11 3.11		4.15
26 05 33 13-2541	EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.65 3.50 3.50		4.67
26 05 33 13-2542	EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.39 3.89 3.89		5.19
26 05 33 13-2543 Coupling (26 05 33 13-2534)				
26 05 33 13-2544	EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	12.75 3.11		4.15
26 05 33 13-2545	EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.75 3.50		4.67
26 05 33 13-2546	EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing..... <i>For Work In Restricted Working Space, Add</i>	17.60 3.89		5.19
26 05 33 13-2547 Metallic Conduit Bodies (26 05 33 13-0058)				
26 05 33 13-2548 Threaded, Cast Aluminum Conduit Body (26 05 33 13-2547)				
Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)				
26 05 33 13-2549 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2548)				
26 05 33 13-2550	EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Mogul LB, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.74 17.06 5.69 11.37 14.22 19.90 22.75 28.44 31.28 3.81 17.06		22.74
26 05 33 13-2551	EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Mogul LB, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.20 19.55 6.52 13.03 16.29 22.80 26.06 32.58 35.83 5.78 19.55		26.06
26 05 33 13-2552	EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Mogul LB, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.96 22.74 7.58 15.16 18.95 26.53 30.32 37.91 41.70 9.07 22.74		30.32
26 05 33 13-2553	EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation >10' To 15', Add</i> <i>For Elevated Installation >15' To 20', Add</i> <i>For Elevated Installation >20' To 25', Add</i> <i>For Elevated Installation >25' To 30', Add</i> <i>For Elevated Installation >30' To 35', Add</i> <i>For Elevated Installation >35' To 40', Add</i> <i>For Elevated Installation >40', Add</i> <i>For Mogul LB, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.09 25.94 8.65 17.30 21.62 30.27 34.59 43.24 47.56 14.88 25.94		34.59

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2554 EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	127.80	37.91
For Work In Restricted Working Space, Add	28.43	
For Elevated Installation >10' To 15', Add	9.48	
For Elevated Installation >15' To 20', Add	18.95	
For Elevated Installation >20' To 25', Add	23.69	
For Elevated Installation >25' To 30', Add	33.17	
For Elevated Installation >30' To 35', Add	37.90	
For Elevated Installation >35' To 40', Add	47.38	
For Elevated Installation >40', Add	52.12	
For Mogul LB, Add	20.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.43	
26 05 33 13-2555 EA 2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	167.08	45.49
For Work In Restricted Working Space, Add	34.12	
For Elevated Installation >10' To 15', Add	11.37	
For Elevated Installation >15' To 20', Add	22.74	
For Elevated Installation >20' To 25', Add	28.43	
For Elevated Installation >25' To 30', Add	39.80	
For Elevated Installation >30' To 35', Add	45.49	
For Elevated Installation >35' To 40', Add	56.86	
For Elevated Installation >40', Add	62.55	
For Mogul LB, Add	34.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.12	
26 05 33 13-2556 EA 2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	278.02	63.97
For Work In Restricted Working Space, Add	47.98	
For Elevated Installation >10' To 15', Add	15.99	
For Elevated Installation >15' To 20', Add	31.98	
For Elevated Installation >20' To 25', Add	39.98	
For Elevated Installation >25' To 30', Add	55.97	
For Elevated Installation >30' To 35', Add	63.97	
For Elevated Installation >35' To 40', Add	79.96	
For Elevated Installation >40', Add	87.96	
For Mogul LB, Add	80.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.98	
26 05 33 13-2557 EA 3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	365.72	85.29
For Work In Restricted Working Space, Add	63.97	
For Elevated Installation >10' To 15', Add	21.32	
For Elevated Installation >15' To 20', Add	42.65	
For Elevated Installation >20' To 25', Add	53.31	
For Elevated Installation >25' To 30', Add	74.63	
For Elevated Installation >30' To 35', Add	85.29	
For Elevated Installation >35' To 40', Add	106.62	
For Elevated Installation >40', Add	117.28	
For Mogul LB, Add	103.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.97	
26 05 33 13-2558 EA 3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	484.62	106.61
For Work In Restricted Working Space, Add	79.96	
For Elevated Installation >10' To 15', Add	26.65	
For Elevated Installation >15' To 20', Add	53.31	
For Elevated Installation >20' To 25', Add	66.63	
For Elevated Installation >25' To 30', Add	93.29	
For Elevated Installation >30' To 35', Add	106.61	
For Elevated Installation >35' To 40', Add	133.27	
For Elevated Installation >40', Add	146.59	
For Mogul LB, Add	150.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.96	
26 05 33 13-2559 EA 4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	627.62	129.83
For Work In Restricted Working Space, Add	97.37	
For Elevated Installation >10' To 15', Add	32.46	
For Elevated Installation >15' To 20', Add	64.92	
For Elevated Installation >20' To 25', Add	81.15	
For Elevated Installation >25' To 30', Add	113.60	
For Elevated Installation >30' To 35', Add	129.83	
For Elevated Installation >35' To 40', Add	162.29	
For Elevated Installation >40', Add	178.52	
For Mogul LB, Add	211.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.37	
 26 05 33 13-2560 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2548)		
26 05 33 13-2561 EA 1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	66.82	22.74
For Work In Restricted Working Space, Add	17.06	
For Elevated Installation >10' To 15', Add	5.69	
For Elevated Installation >15' To 20', Add	11.37	
For Elevated Installation >20' To 25', Add	14.22	
For Elevated Installation >25' To 30', Add	19.90	
For Elevated Installation >30' To 35', Add	22.75	
For Elevated Installation >35' To 40', Add	28.44	
For Elevated Installation >40', Add	31.28	
For Mogul LB, Add	4.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.06	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2562	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	78.25	26.06
		For Work In Restricted Working Space, Add	19.55	
		For Elevated Installation >10' To 15', Add	6.52	
		For Elevated Installation >15' To 20', Add	13.03	
		For Elevated Installation >20' To 25', Add	16.29	
		For Elevated Installation >25' To 30', Add	22.80	
		For Elevated Installation >30' To 35', Add	26.06	
		For Elevated Installation >35' To 40', Add	32.58	
		For Elevated Installation >40', Add	35.83	
		For Mogul LB, Add	6.57	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.55	
26 05 33 13-2563	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	95.08	30.32
		For Work In Restricted Working Space, Add	22.74	
		For Elevated Installation >10' To 15', Add	7.58	
		For Elevated Installation >15' To 20', Add	15.16	
		For Elevated Installation >20' To 25', Add	18.95	
		For Elevated Installation >25' To 30', Add	26.53	
		For Elevated Installation >30' To 35', Add	30.32	
		For Elevated Installation >35' To 40', Add	37.91	
		For Elevated Installation >40', Add	41.70	
		For Mogul LB, Add	10.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.74	
26 05 33 13-2564	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	114.67	34.59
		For Work In Restricted Working Space, Add	25.94	
		For Elevated Installation >10' To 15', Add	8.65	
		For Elevated Installation >15' To 20', Add	17.30	
		For Elevated Installation >20' To 25', Add	21.62	
		For Elevated Installation >25' To 30', Add	30.27	
		For Elevated Installation >30' To 35', Add	34.59	
		For Elevated Installation >35' To 40', Add	43.24	
		For Elevated Installation >40', Add	47.56	
		For Mogul LB, Add	16.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.94	
26 05 33 13-2565	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	132.19	37.91
		For Work In Restricted Working Space, Add	28.43	
		For Elevated Installation >10' To 15', Add	9.48	
		For Elevated Installation >15' To 20', Add	18.95	
		For Elevated Installation >20' To 25', Add	23.69	
		For Elevated Installation >25' To 30', Add	33.17	
		For Elevated Installation >30' To 35', Add	37.90	
		For Elevated Installation >35' To 40', Add	47.38	
		For Elevated Installation >40', Add	52.12	
		For Mogul LB, Add	23.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.43	
26 05 33 13-2566	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	176.52	45.49
		For Work In Restricted Working Space, Add	34.12	
		For Elevated Installation >10' To 15', Add	11.37	
		For Elevated Installation >15' To 20', Add	22.74	
		For Elevated Installation >20' To 25', Add	28.43	
		For Elevated Installation >25' To 30', Add	39.80	
		For Elevated Installation >30' To 35', Add	45.49	
		For Elevated Installation >35' To 40', Add	56.86	
		For Elevated Installation >40', Add	62.55	
		For Mogul LB, Add	41.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.12	
26 05 33 13-2567	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	273.26	63.97
		For Work In Restricted Working Space, Add	47.98	
		For Elevated Installation >10' To 15', Add	15.99	
		For Elevated Installation >15' To 20', Add	31.98	
		For Elevated Installation >20' To 25', Add	39.98	
		For Elevated Installation >25' To 30', Add	55.97	
		For Elevated Installation >30' To 35', Add	63.97	
		For Elevated Installation >35' To 40', Add	79.96	
		For Elevated Installation >40', Add	87.96	
		For Mogul LB, Add	77.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.98	
26 05 33 13-2568	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	349.71	85.29
		For Work In Restricted Working Space, Add	63.97	
		For Elevated Installation >10' To 15', Add	21.32	
		For Elevated Installation >15' To 20', Add	42.65	
		For Elevated Installation >20' To 25', Add	53.31	
		For Elevated Installation >25' To 30', Add	74.63	
		For Elevated Installation >30' To 35', Add	85.29	
		For Elevated Installation >35' To 40', Add	106.62	
		For Elevated Installation >40', Add	117.28	
		For Mogul LB, Add	91.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.97	
26 05 33 13-2569	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	498.25	106.61
		For Work In Restricted Working Space, Add	79.96	
		For Elevated Installation >10' To 15', Add	26.65	
		For Elevated Installation >15' To 20', Add	53.31	
		For Elevated Installation >20' To 25', Add	66.63	
		For Elevated Installation >25' To 30', Add	93.29	
		For Elevated Installation >30' To 35', Add	106.61	
		For Elevated Installation >35' To 40', Add	133.27	
		For Elevated Installation >40', Add	146.59	
		For Mogul LB, Add	160.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.96	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2570	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	655.51	129.83
		For Work In Restricted Working Space, Add	97.37	
		For Elevated Installation >10' To 15', Add	32.46	
		For Elevated Installation >15' To 20', Add	64.92	
		For Elevated Installation >20' To 25', Add	81.15	
		For Elevated Installation >25' To 30', Add	113.60	
		For Elevated Installation >30' To 35', Add	129.83	
		For Elevated Installation >35' To 40', Add	162.29	
		For Elevated Installation >40', Add	178.52	
		For Mogul LB, Add	231.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.37	
26 05 33 13-2571		Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2548)		
26 05 33 13-2572	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	76.91	26.06
		For Work In Restricted Working Space, Add	19.55	
		For Elevated Installation >10' To 15', Add	6.52	
		For Elevated Installation >15' To 20', Add	13.03	
		For Elevated Installation >20' To 25', Add	16.29	
		For Elevated Installation >25' To 30', Add	22.80	
		For Elevated Installation >30' To 35', Add	26.06	
		For Elevated Installation >35' To 40', Add	32.58	
		For Elevated Installation >40', Add	35.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.55	
26 05 33 13-2573	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	90.95	30.32
		For Work In Restricted Working Space, Add	22.74	
		For Elevated Installation >10' To 15', Add	7.58	
		For Elevated Installation >15' To 20', Add	15.16	
		For Elevated Installation >20' To 25', Add	18.95	
		For Elevated Installation >25' To 30', Add	26.53	
		For Elevated Installation >30' To 35', Add	30.32	
		For Elevated Installation >35' To 40', Add	37.91	
		For Elevated Installation >40', Add	41.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.74	
26 05 33 13-2574	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	104.36	33.17
		For Work In Restricted Working Space, Add	24.88	
		For Elevated Installation >10' To 15', Add	8.29	
		For Elevated Installation >15' To 20', Add	16.59	
		For Elevated Installation >20' To 25', Add	20.73	
		For Elevated Installation >25' To 30', Add	29.03	
		For Elevated Installation >30' To 35', Add	33.17	
		For Elevated Installation >35' To 40', Add	41.47	
		For Elevated Installation >40', Add	45.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.88	
26 05 33 13-2575	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	127.24	37.91
		For Work In Restricted Working Space, Add	28.43	
		For Elevated Installation >10' To 15', Add	9.48	
		For Elevated Installation >15' To 20', Add	18.95	
		For Elevated Installation >20' To 25', Add	23.69	
		For Elevated Installation >25' To 30', Add	33.17	
		For Elevated Installation >30' To 35', Add	37.90	
		For Elevated Installation >35' To 40', Add	47.38	
		For Elevated Installation >40', Add	52.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.43	
26 05 33 13-2576	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	146.47	41.70
		For Work In Restricted Working Space, Add	31.28	
		For Elevated Installation >10' To 15', Add	10.43	
		For Elevated Installation >15' To 20', Add	20.85	
		For Elevated Installation >20' To 25', Add	26.06	
		For Elevated Installation >25' To 30', Add	36.49	
		For Elevated Installation >30' To 35', Add	41.70	
		For Elevated Installation >35' To 40', Add	52.13	
		For Elevated Installation >40', Add	57.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.28	
26 05 33 13-2577	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	194.22	48.81
		For Work In Restricted Working Space, Add	36.60	
		For Elevated Installation >10' To 15', Add	12.20	
		For Elevated Installation >15' To 20', Add	24.40	
		For Elevated Installation >20' To 25', Add	30.50	
		For Elevated Installation >25' To 30', Add	42.70	
		For Elevated Installation >30' To 35', Add	48.80	
		For Elevated Installation >35' To 40', Add	61.01	
		For Elevated Installation >40', Add	67.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.60	
26 05 33 13-2578	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	305.28	71.08
		For Work In Restricted Working Space, Add	53.31	
		For Elevated Installation >10' To 15', Add	17.77	
		For Elevated Installation >15' To 20', Add	35.54	
		For Elevated Installation >20' To 25', Add	44.42	
		For Elevated Installation >25' To 30', Add	62.19	
		For Elevated Installation >30' To 35', Add	71.08	
		For Elevated Installation >35' To 40', Add	88.85	
		For Elevated Installation >40', Add	97.73	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.31	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2579	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	394.55	92.40
		For Work In Restricted Working Space, Add	69.30	
		For Elevated Installation >10' To 15', Add	23.10	
		For Elevated Installation >15' To 20', Add	46.20	
		For Elevated Installation >20' To 25', Add	57.75	
		For Elevated Installation >25' To 30', Add	80.85	
		For Elevated Installation >30' To 35', Add	92.40	
		For Elevated Installation >35' To 40', Add	115.50	
		For Elevated Installation >40', Add	127.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.30	
26 05 33 13-2580	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	623.99	113.72
		For Work In Restricted Working Space, Add	85.29	
		For Elevated Installation >10' To 15', Add	28.43	
		For Elevated Installation >15' To 20', Add	56.86	
		For Elevated Installation >20' To 25', Add	71.08	
		For Elevated Installation >25' To 30', Add	99.51	
		For Elevated Installation >30' To 35', Add	113.72	
		For Elevated Installation >35' To 40', Add	142.15	
		For Elevated Installation >40', Add	156.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.29	
26 05 33 13-2581	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	716.37	136.95
		For Work In Restricted Working Space, Add	102.71	
		For Elevated Installation >10' To 15', Add	34.24	
		For Elevated Installation >15' To 20', Add	68.47	
		For Elevated Installation >20' To 25', Add	85.59	
		For Elevated Installation >25' To 30', Add	119.82	
		For Elevated Installation >30' To 35', Add	136.94	
		For Elevated Installation >35' To 40', Add	171.18	
		For Elevated Installation >40', Add	188.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.71	

26 05 33 13-2582 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2582)

26 05 33 13-2583	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	67.04	22.74
		For Work In Restricted Working Space, Add	17.06	
		For Elevated Installation >10' To 15', Add	5.69	
		For Elevated Installation >15' To 20', Add	11.37	
		For Elevated Installation >20' To 25', Add	14.22	
		For Elevated Installation >25' To 30', Add	19.90	
		For Elevated Installation >30' To 35', Add	22.75	
		For Elevated Installation >35' To 40', Add	28.44	
		For Elevated Installation >40', Add	31.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.06	
26 05 33 13-2584	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	77.50	26.06
		For Work In Restricted Working Space, Add	19.55	
		For Elevated Installation >10' To 15', Add	6.52	
		For Elevated Installation >15' To 20', Add	13.03	
		For Elevated Installation >20' To 25', Add	16.29	
		For Elevated Installation >25' To 30', Add	22.80	
		For Elevated Installation >30' To 35', Add	26.06	
		For Elevated Installation >35' To 40', Add	32.58	
		For Elevated Installation >40', Add	35.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.55	
26 05 33 13-2585	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	93.04	29.85
		For Work In Restricted Working Space, Add	22.39	
		For Elevated Installation >10' To 15', Add	7.46	
		For Elevated Installation >15' To 20', Add	14.93	
		For Elevated Installation >20' To 25', Add	18.66	
		For Elevated Installation >25' To 30', Add	26.12	
		For Elevated Installation >30' To 35', Add	29.85	
		For Elevated Installation >35' To 40', Add	37.32	
		For Elevated Installation >40', Add	41.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.39	
26 05 33 13-2586	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	113.64	34.59
		For Work In Restricted Working Space, Add	25.94	
		For Elevated Installation >10' To 15', Add	8.65	
		For Elevated Installation >15' To 20', Add	17.30	
		For Elevated Installation >20' To 25', Add	21.62	
		For Elevated Installation >25' To 30', Add	30.27	
		For Elevated Installation >30' To 35', Add	34.59	
		For Elevated Installation >35' To 40', Add	43.24	
		For Elevated Installation >40', Add	47.56	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.94	
26 05 33 13-2587	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	127.08	37.91
		For Work In Restricted Working Space, Add	28.43	
		For Elevated Installation >10' To 15', Add	9.48	
		For Elevated Installation >15' To 20', Add	18.95	
		For Elevated Installation >20' To 25', Add	23.69	
		For Elevated Installation >25' To 30', Add	33.17	
		For Elevated Installation >30' To 35', Add	37.90	
		For Elevated Installation >35' To 40', Add	47.38	
		For Elevated Installation >40', Add	52.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2588	EA	2"	Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	167.16 34.12 11.37 22.74 28.43 39.80 45.49 56.86 62.55 34.12	45.49
26 05 33 13-2589	EA	2-1/2"	Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	269.25 47.98 15.99 31.98 39.98 55.97 63.97 79.96 87.96 47.98	63.97
26 05 33 13-2590	EA	3"	Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	347.15 63.97 21.32 42.65 53.31 74.63 85.29 106.62 117.28 63.97	85.29
26 05 33 13-2591	EA	3-1/2"	Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	490.05 79.96 26.65 53.31 66.63 93.29 106.61 133.27 146.59 79.96	106.61
26 05 33 13-2592	EA	4"	Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	630.18 97.37 32.46 64.92 81.15 113.60 129.83 162.29 178.52 97.37	129.83
26 05 33 13-2593	Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-2548)				
26 05 33 13-2594	EA	1/2"	Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.07 22.39 7.46 14.93 18.66 26.12 29.85 37.32 41.05 22.39	29.85
26 05 33 13-2595	EA	3/4"	Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.46 24.88 8.29 16.59 20.73 29.03 33.17 41.47 45.61 24.88	33.17
26 05 33 13-2596	EA	1"	Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	124.26 27.37 9.12 18.24 22.81 31.93 36.49 45.61 50.17 27.37	36.49

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2597	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	143.15	41.70
		For Work In Restricted Working Space, Add	31.28	
		For Elevated Installation >10' To 15', Add	10.43	
		For Elevated Installation >15' To 20', Add	20.85	
		For Elevated Installation >20' To 25', Add	26.06	
		For Elevated Installation >25' To 30', Add	36.49	
		For Elevated Installation >30' To 35', Add	41.70	
		For Elevated Installation >35' To 40', Add	52.13	
		For Elevated Installation >40', Add	57.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.28	
26 05 33 13-2598	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	181.85	45.49
		For Work In Restricted Working Space, Add	34.12	
		For Elevated Installation >10' To 15', Add	11.37	
		For Elevated Installation >15' To 20', Add	22.74	
		For Elevated Installation >20' To 25', Add	28.43	
		For Elevated Installation >25' To 30', Add	39.80	
		For Elevated Installation >30' To 35', Add	45.49	
		For Elevated Installation >35' To 40', Add	56.86	
		For Elevated Installation >40', Add	62.55	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.12	
26 05 33 13-2599	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	220.12	55.91
		For Work In Restricted Working Space, Add	41.93	
		For Elevated Installation >10' To 15', Add	13.98	
		For Elevated Installation >15' To 20', Add	27.96	
		For Elevated Installation >20' To 25', Add	34.95	
		For Elevated Installation >25' To 30', Add	48.92	
		For Elevated Installation >30' To 35', Add	55.91	
		For Elevated Installation >35' To 40', Add	69.89	
		For Elevated Installation >40', Add	76.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.93	
26 05 33 13-2600	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	404.28	81.97
		For Work In Restricted Working Space, Add	61.48	
		For Elevated Installation >10' To 15', Add	20.49	
		For Elevated Installation >15' To 20', Add	40.99	
		For Elevated Installation >20' To 25', Add	51.24	
		For Elevated Installation >25' To 30', Add	71.73	
		For Elevated Installation >30' To 35', Add	81.98	
		For Elevated Installation >35' To 40', Add	102.47	
		For Elevated Installation >40', Add	112.72	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.48	
26 05 33 13-2601	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	500.05	106.61
		For Work In Restricted Working Space, Add	79.96	
		For Elevated Installation >10' To 15', Add	26.65	
		For Elevated Installation >15' To 20', Add	53.31	
		For Elevated Installation >20' To 25', Add	66.63	
		For Elevated Installation >25' To 30', Add	93.29	
		For Elevated Installation >30' To 35', Add	106.61	
		For Elevated Installation >35' To 40', Add	133.27	
		For Elevated Installation >40', Add	146.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.96	
26 05 33 13-2602	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	708.32	131.73
		For Work In Restricted Working Space, Add	99.51	
		For Elevated Installation >10' To 15', Add	33.17	
		For Elevated Installation >15' To 20', Add	66.34	
		For Elevated Installation >20' To 25', Add	82.92	
		For Elevated Installation >25' To 30', Add	116.09	
		For Elevated Installation >30' To 35', Add	132.68	
		For Elevated Installation >35' To 40', Add	165.85	
		For Elevated Installation >40', Add	182.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.51	
26 05 33 13-2603	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	855.12	158.27
		For Work In Restricted Working Space, Add	118.70	
		For Elevated Installation >10' To 15', Add	39.57	
		For Elevated Installation >15' To 20', Add	79.13	
		For Elevated Installation >20' To 25', Add	98.92	
		For Elevated Installation >25' To 30', Add	138.48	
		For Elevated Installation >30' To 35', Add	158.26	
		For Elevated Installation >35' To 40', Add	197.83	
		For Elevated Installation >40', Add	217.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.70	

26 05 33 13-2604 Threaded, Malleable Iron Conduit Body (26 05 33 13-2547)

Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)

26 05 33 13-2605 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2604)

26 05 33 13-2606	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	68.76	22.74
		For Elevated Installation >10' To 15', Add	5.69	
		For Elevated Installation >15' To 20', Add	11.37	
		For Elevated Installation >20' To 25', Add	14.22	
		For Elevated Installation >25' To 30', Add	19.90	
		For Elevated Installation >30' To 35', Add	22.75	
		For Elevated Installation >35' To 40', Add	28.44	
		For Elevated Installation >40', Add	31.28	
		For Work In Restricted Working Space, Add	17.06	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2607	EA	3/4"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	79.73	26.06
			For Elevated Installation >10' To 15', Add	6.52	
			For Elevated Installation >15' To 20', Add	13.03	
			For Elevated Installation >20' To 25', Add	16.29	
			For Elevated Installation >25' To 30', Add	22.80	
			For Elevated Installation >30' To 35', Add	26.06	
			For Elevated Installation >35' To 40', Add	32.58	
			For Elevated Installation >40', Add	35.83	
			For Work In Restricted Working Space, Add	19.55	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.55	
26 05 33 13-2608	EA	1"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	97.53	30.32
			For Elevated Installation >10' To 15', Add	7.58	
			For Elevated Installation >15' To 20', Add	15.16	
			For Elevated Installation >20' To 25', Add	18.95	
			For Elevated Installation >25' To 30', Add	26.53	
			For Elevated Installation >30' To 35', Add	30.32	
			For Elevated Installation >35' To 40', Add	37.91	
			For Elevated Installation >40', Add	41.70	
			For Work In Restricted Working Space, Add	22.74	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.74	
26 05 33 13-2609	EA	1-1/4"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	125.46	34.59
			For Elevated Installation >10' To 15', Add	8.65	
			For Elevated Installation >15' To 20', Add	17.30	
			For Elevated Installation >20' To 25', Add	21.62	
			For Elevated Installation >25' To 30', Add	30.27	
			For Elevated Installation >30' To 35', Add	34.59	
			For Elevated Installation >35' To 40', Add	43.24	
			For Elevated Installation >40', Add	47.56	
			For Work In Restricted Working Space, Add	25.94	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.94	
26 05 33 13-2610	EA	1-1/2"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	142.57	37.91
			For Elevated Installation >10' To 15', Add	9.48	
			For Elevated Installation >15' To 20', Add	18.95	
			For Elevated Installation >20' To 25', Add	23.69	
			For Elevated Installation >25' To 30', Add	33.17	
			For Elevated Installation >30' To 35', Add	37.90	
			For Elevated Installation >35' To 40', Add	47.38	
			For Elevated Installation >40', Add	52.12	
			For Work In Restricted Working Space, Add	28.43	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.43	
26 05 33 13-2611	EA	2"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	193.74	45.49
			For Elevated Installation >10' To 15', Add	11.37	
			For Elevated Installation >15' To 20', Add	22.75	
			For Elevated Installation >20' To 25', Add	28.43	
			For Elevated Installation >25' To 30', Add	39.81	
			For Elevated Installation >30' To 35', Add	45.49	
			For Elevated Installation >35' To 40', Add	56.87	
			For Elevated Installation >40', Add	62.55	
			For Work In Restricted Working Space, Add	34.12	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.12	
26 05 33 13-2612	EA	2-1/2"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	323.70	63.97
			For Elevated Installation >10' To 15', Add	15.99	
			For Elevated Installation >15' To 20', Add	31.99	
			For Elevated Installation >20' To 25', Add	39.98	
			For Elevated Installation >25' To 30', Add	55.98	
			For Elevated Installation >30' To 35', Add	63.97	
			For Elevated Installation >35' To 40', Add	79.97	
			For Elevated Installation >40', Add	87.96	
			For Work In Restricted Working Space, Add	47.98	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.98	
26 05 33 13-2613	EA	3"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	457.55	85.29
			For Elevated Installation >10' To 15', Add	21.32	
			For Elevated Installation >15' To 20', Add	42.65	
			For Elevated Installation >20' To 25', Add	53.31	
			For Elevated Installation >25' To 30', Add	74.63	
			For Elevated Installation >30' To 35', Add	85.30	
			For Elevated Installation >35' To 40', Add	106.62	
			For Elevated Installation >40', Add	117.28	
			For Work In Restricted Working Space, Add	63.97	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.97	
26 05 33 13-2614	EA	3-1/2"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	628.22	106.61
			For Elevated Installation >10' To 15', Add	26.65	
			For Elevated Installation >15' To 20', Add	53.31	
			For Elevated Installation >20' To 25', Add	66.63	
			For Elevated Installation >25' To 30', Add	93.29	
			For Elevated Installation >30' To 35', Add	106.61	
			For Elevated Installation >35' To 40', Add	133.27	
			For Elevated Installation >40', Add	146.59	
			For Work In Restricted Working Space, Add	79.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.96	
26 05 33 13-2615	EA	4"	Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	752.29	129.83
			For Elevated Installation >10' To 15', Add	32.46	
			For Elevated Installation >15' To 20', Add	64.92	
			For Elevated Installation >20' To 25', Add	81.15	
			For Elevated Installation >25' To 30', Add	113.61	
			For Elevated Installation >30' To 35', Add	129.84	
			For Elevated Installation >35' To 40', Add	162.30	
			For Elevated Installation >40', Add	178.52	
			For Work In Restricted Working Space, Add	97.38	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.38	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2616	Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2604)		
26 05 33 13-2617	EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.51 17.06	22.74
26 05 33 13-2618	EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.54 19.55	26.06
26 05 33 13-2619	EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.74 22.74	30.32
26 05 33 13-2620	EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.27 25.94	34.59
26 05 33 13-2621	EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.01 28.43	37.91
26 05 33 13-2622	EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	186.67 34.12	45.49
26 05 33 13-2623	EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	284.43 47.98	63.97
26 05 33 13-2624	EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	386.94 63.97	85.29
26 05 33 13-2625	EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	669.80 79.96	106.61
26 05 33 13-2626	EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	782.96 97.38	129.83
26 05 33 13-2627	Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2604)		
26 05 33 13-2628	EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.78 6.52 13.03 16.29 22.80 26.06 32.58 35.83 19.55 19.55	26.06
26 05 33 13-2629	EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.96 7.70 15.40 19.25 26.95 30.80 38.50 42.35 23.10 23.10	30.32
26 05 33 13-2630	EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.65 8.29 16.59 20.73 29.03 33.17 41.47 45.61 24.88 24.88	33.17
26 05 33 13-2631	EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.38 9.36 18.72 23.40 32.75 37.43 46.79 51.47 28.07 28.07	37.91
26 05 33 13-2632	EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.90 10.43 20.85 26.06 36.49 41.70 52.13 57.34 31.28 31.28	41.70
26 05 33 13-2633	EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	223.29 12.20 24.40 30.50 42.70 48.80 61.01 67.11 36.60 36.60	48.81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2634 EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	283.95	71.08
For Elevated Installation >10' To 15', Add	17.77	
For Elevated Installation >15' To 20', Add	35.54	
For Elevated Installation >20' To 25', Add	44.42	
For Elevated Installation >25' To 30', Add	62.19	
For Elevated Installation >30' To 35', Add	71.08	
For Elevated Installation >35' To 40', Add	88.85	
For Elevated Installation >40', Add	97.73	
For Work In Restricted Working Space, Add	53.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	53.31	
26 05 33 13-2635 EA 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	407.58	92.40
For Elevated Installation >10' To 15', Add	23.10	
For Elevated Installation >15' To 20', Add	46.20	
For Elevated Installation >20' To 25', Add	57.75	
For Elevated Installation >25' To 30', Add	80.85	
For Elevated Installation >30' To 35', Add	92.40	
For Elevated Installation >35' To 40', Add	115.50	
For Elevated Installation >40', Add	127.05	
For Work In Restricted Working Space, Add	69.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.30	
26 05 33 13-2636 EA 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	706.78	113.72
For Elevated Installation >10' To 15', Add	28.43	
For Elevated Installation >15' To 20', Add	56.86	
For Elevated Installation >20' To 25', Add	71.08	
For Elevated Installation >25' To 30', Add	99.51	
For Elevated Installation >30' To 35', Add	113.72	
For Elevated Installation >35' To 40', Add	142.15	
For Elevated Installation >40', Add	156.37	
For Work In Restricted Working Space, Add	85.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.29	
26 05 33 13-2637 EA 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	818.51	136.95
For Elevated Installation >10' To 15', Add	34.35	
For Elevated Installation >15' To 20', Add	68.71	
For Elevated Installation >20' To 25', Add	85.89	
For Elevated Installation >25' To 30', Add	120.24	
For Elevated Installation >30' To 35', Add	137.42	
For Elevated Installation >35' To 40', Add	171.77	
For Elevated Installation >40', Add	188.95	
For Work In Restricted Working Space, Add	103.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.06	
26 05 33 13-2638 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2604)		
26 05 33 13-2639 EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	68.96	22.74
For Elevated Installation >10' To 15', Add	5.69	
For Elevated Installation >15' To 20', Add	11.37	
For Elevated Installation >20' To 25', Add	14.22	
For Elevated Installation >25' To 30', Add	19.90	
For Elevated Installation >30' To 35', Add	22.74	
For Elevated Installation >35' To 40', Add	28.43	
For Elevated Installation >40', Add	31.27	
For Work In Restricted Working Space, Add	17.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.06	
26 05 33 13-2640 EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	83.29	26.06
For Elevated Installation >10' To 15', Add	6.52	
For Elevated Installation >15' To 20', Add	13.03	
For Elevated Installation >20' To 25', Add	16.29	
For Elevated Installation >25' To 30', Add	22.80	
For Elevated Installation >30' To 35', Add	26.06	
For Elevated Installation >35' To 40', Add	32.58	
For Elevated Installation >40', Add	35.83	
For Work In Restricted Working Space, Add	19.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.55	
26 05 33 13-2641 EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	97.35	29.85
For Elevated Installation >10' To 15', Add	7.46	
For Elevated Installation >15' To 20', Add	14.93	
For Elevated Installation >20' To 25', Add	18.66	
For Elevated Installation >25' To 30', Add	26.12	
For Elevated Installation >30' To 35', Add	29.86	
For Elevated Installation >35' To 40', Add	37.32	
For Elevated Installation >40', Add	41.05	
For Work In Restricted Working Space, Add	22.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.39	
26 05 33 13-2642 EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	130.64	34.59
For Elevated Installation >10' To 15', Add	8.65	
For Elevated Installation >15' To 20', Add	17.30	
For Elevated Installation >20' To 25', Add	21.62	
For Elevated Installation >25' To 30', Add	30.27	
For Elevated Installation >30' To 35', Add	34.59	
For Elevated Installation >35' To 40', Add	43.24	
For Elevated Installation >40', Add	47.56	
For Work In Restricted Working Space, Add	25.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.94	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 33 13-2643	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	152.29	37.91
		For Elevated Installation >10' To 15', Add	9.48	
		For Elevated Installation >15' To 20', Add	18.95	
		For Elevated Installation >20' To 25', Add	23.69	
		For Elevated Installation >25' To 30', Add	33.17	
		For Elevated Installation >30' To 35', Add	37.90	
		For Elevated Installation >35' To 40', Add	47.38	
		For Elevated Installation >40', Add	52.12	
		For Work In Restricted Working Space, Add	28.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.43	
26 05 33 13-2644	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	196.51	45.49
		For Elevated Installation >10' To 15', Add	11.37	
		For Elevated Installation >15' To 20', Add	22.74	
		For Elevated Installation >20' To 25', Add	28.43	
		For Elevated Installation >25' To 30', Add	39.80	
		For Elevated Installation >30' To 35', Add	45.49	
		For Elevated Installation >35' To 40', Add	56.86	
		For Elevated Installation >40', Add	62.55	
		For Work In Restricted Working Space, Add	34.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.12	
26 05 33 13-2645	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	442.16	120.00
		For Elevated Installation >10' To 15', Add	29.99	
		For Elevated Installation >15' To 20', Add	59.97	
		For Elevated Installation >20' To 25', Add	74.97	
		For Elevated Installation >25' To 30', Add	104.95	
		For Elevated Installation >30' To 35', Add	119.95	
		For Elevated Installation >35' To 40', Add	149.94	
		For Elevated Installation >40', Add	164.93	
		For Work In Restricted Working Space, Add	89.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.96	
26 05 33 13-2646	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	416.59	85.29
		For Elevated Installation >10' To 15', Add	21.32	
		For Elevated Installation >15' To 20', Add	42.65	
		For Elevated Installation >20' To 25', Add	53.31	
		For Elevated Installation >25' To 30', Add	74.63	
		For Elevated Installation >30' To 35', Add	85.30	
		For Elevated Installation >35' To 40', Add	106.62	
		For Elevated Installation >40', Add	117.28	
		For Work In Restricted Working Space, Add	63.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.97	
26 05 33 13-2647	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	669.80	106.61
		For Elevated Installation >10' To 15', Add	26.65	
		For Elevated Installation >15' To 20', Add	53.31	
		For Elevated Installation >20' To 25', Add	66.63	
		For Elevated Installation >25' To 30', Add	93.29	
		For Elevated Installation >30' To 35', Add	106.61	
		For Elevated Installation >35' To 40', Add	133.27	
		For Elevated Installation >40', Add	146.59	
		For Work In Restricted Working Space, Add	79.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.96	
26 05 33 13-2648	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	782.94	129.83
		For Elevated Installation >10' To 15', Add	32.46	
		For Elevated Installation >15' To 20', Add	64.91	
		For Elevated Installation >20' To 25', Add	81.14	
		For Elevated Installation >25' To 30', Add	113.60	
		For Elevated Installation >30' To 35', Add	129.83	
		For Elevated Installation >35' To 40', Add	162.29	
		For Elevated Installation >40', Add	178.51	
		For Work In Restricted Working Space, Add	97.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.37	

26 05 33 13-2649 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2604)

26 05 33 13-2650	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	96.39	29.85
		For Elevated Installation >10' To 15', Add	7.46	
		For Elevated Installation >15' To 20', Add	14.93	
		For Elevated Installation >20' To 25', Add	18.66	
		For Elevated Installation >25' To 30', Add	26.12	
		For Elevated Installation >30' To 35', Add	29.85	
		For Elevated Installation >35' To 40', Add	37.32	
		For Elevated Installation >40', Add	41.05	
		For Work In Restricted Working Space, Add	22.39	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.39	
26 05 33 13-2651	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	105.50	33.17
		For Elevated Installation >10' To 15', Add	8.29	
		For Elevated Installation >15' To 20', Add	16.59	
		For Elevated Installation >20' To 25', Add	20.73	
		For Elevated Installation >25' To 30', Add	29.03	
		For Elevated Installation >30' To 35', Add	33.17	
		For Elevated Installation >35' To 40', Add	41.47	
		For Elevated Installation >40', Add	45.61	
		For Work In Restricted Working Space, Add	24.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2652 EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	122.20	36.49
For Elevated Installation >10' To 15', Add	9.12	
For Elevated Installation >15' To 20', Add	18.24	
For Elevated Installation >20' To 25', Add	22.81	
For Elevated Installation >25' To 30', Add	31.93	
For Elevated Installation >30' To 35', Add	36.49	
For Elevated Installation >35' To 40', Add	45.61	
For Elevated Installation >40', Add	50.17	
For Work In Restricted Working Space, Add	27.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.37	
26 05 33 13-2653 EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	145.15	41.70
For Elevated Installation >10' To 15', Add	10.43	
For Elevated Installation >15' To 20', Add	20.85	
For Elevated Installation >20' To 25', Add	26.06	
For Elevated Installation >25' To 30', Add	36.49	
For Elevated Installation >30' To 35', Add	41.70	
For Elevated Installation >35' To 40', Add	52.13	
For Elevated Installation >40', Add	57.34	
For Work In Restricted Working Space, Add	31.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.28	
26 05 33 13-2654 EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	167.09	45.49
For Elevated Installation >10' To 15', Add	11.37	
For Elevated Installation >15' To 20', Add	22.74	
For Elevated Installation >20' To 25', Add	28.43	
For Elevated Installation >25' To 30', Add	39.80	
For Elevated Installation >30' To 35', Add	45.49	
For Elevated Installation >35' To 40', Add	56.86	
For Elevated Installation >40', Add	62.55	
For Work In Restricted Working Space, Add	34.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.12	
26 05 33 13-2655 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	232.70	55.91
For Elevated Installation >10' To 15', Add	13.98	
For Elevated Installation >15' To 20', Add	27.96	
For Elevated Installation >20' To 25', Add	34.95	
For Elevated Installation >25' To 30', Add	48.92	
For Elevated Installation >30' To 35', Add	55.91	
For Elevated Installation >35' To 40', Add	69.89	
For Elevated Installation >40', Add	76.88	
For Work In Restricted Working Space, Add	41.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.93	
26 05 33 13-2656 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	370.83	81.97
For Elevated Installation >10' To 15', Add	20.49	
For Elevated Installation >15' To 20', Add	40.99	
For Elevated Installation >20' To 25', Add	51.24	
For Elevated Installation >25' To 30', Add	71.73	
For Elevated Installation >30' To 35', Add	81.98	
For Elevated Installation >35' To 40', Add	102.47	
For Elevated Installation >40', Add	112.72	
For Work In Restricted Working Space, Add	61.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.48	
26 05 33 13-2657 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	542.21	106.61
For Elevated Installation >10' To 15', Add	26.65	
For Elevated Installation >15' To 20', Add	53.31	
For Elevated Installation >20' To 25', Add	66.63	
For Elevated Installation >25' To 30', Add	93.29	
For Elevated Installation >30' To 35', Add	106.61	
For Elevated Installation >35' To 40', Add	133.27	
For Elevated Installation >40', Add	146.59	
For Work In Restricted Working Space, Add	79.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.96	
26 05 33 13-2658 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	806.03	131.73
For Elevated Installation >10' To 15', Add	32.93	
For Elevated Installation >15' To 20', Add	65.86	
For Elevated Installation >20' To 25', Add	82.33	
For Elevated Installation >25' To 30', Add	115.26	
For Elevated Installation >30' To 35', Add	131.73	
For Elevated Installation >35' To 40', Add	164.66	
For Elevated Installation >40', Add	181.13	
For Work In Restricted Working Space, Add	98.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	98.80	
26 05 33 13-2659 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	901.81	158.27
For Elevated Installation >10' To 15', Add	39.57	
For Elevated Installation >15' To 20', Add	79.13	
For Elevated Installation >20' To 25', Add	98.92	
For Elevated Installation >25' To 30', Add	138.48	
For Elevated Installation >30' To 35', Add	158.26	
For Elevated Installation >35' To 40', Add	197.83	
For Elevated Installation >40', Add	217.61	
For Work In Restricted Working Space, Add	118.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.70	

26 05 33 13-2660 Set Screw, Cast Aluminum Conduit Body (26 05 33 13-2547)

Note: For use with Electrical Metallic Tubing (EMT)

26 05 33 13-2661 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05

33 13-2660)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2662	EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	32.82	9.00
	For Work In Restricted Working Space, Add	6.75	
	For Elevated Installation >10' To 15', Add	2.25	
	For Elevated Installation >15' To 20', Add	4.50	
	For Elevated Installation >20' To 25', Add	5.63	
	For Elevated Installation >25' To 30', Add	7.88	
	For Elevated Installation >30' To 35', Add	9.00	
	For Elevated Installation >35' To 40', Add	11.25	
	For Elevated Installation >40', Add	12.38	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-2663	EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	42.02	11.85
	For Work In Restricted Working Space, Add	8.88	
	For Elevated Installation >10' To 15', Add	2.96	
	For Elevated Installation >15' To 20', Add	5.92	
	For Elevated Installation >20' To 25', Add	7.40	
	For Elevated Installation >25' To 30', Add	10.36	
	For Elevated Installation >30' To 35', Add	11.84	
	For Elevated Installation >35' To 40', Add	14.81	
	For Elevated Installation >40', Add	16.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-2664	EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	56.76	14.68
	For Work In Restricted Working Space, Add	11.02	
	For Elevated Installation >10' To 15', Add	3.67	
	For Elevated Installation >15' To 20', Add	7.35	
	For Elevated Installation >20' To 25', Add	9.18	
	For Elevated Installation >25' To 30', Add	12.86	
	For Elevated Installation >30' To 35', Add	14.69	
	For Elevated Installation >35' To 40', Add	18.37	
	For Elevated Installation >40', Add	20.20	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 05 33 13-2665	EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	73.51	18.00
	For Work In Restricted Working Space, Add	13.51	
	For Elevated Installation >10' To 15', Add	4.50	
	For Elevated Installation >15' To 20', Add	9.00	
	For Elevated Installation >20' To 25', Add	11.26	
	For Elevated Installation >25' To 30', Add	15.76	
	For Elevated Installation >30' To 35', Add	18.01	
	For Elevated Installation >35' To 40', Add	22.51	
	For Elevated Installation >40', Add	24.76	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51	
26 05 33 13-2666	EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	96.43	20.85
	For Work In Restricted Working Space, Add	15.64	
	For Elevated Installation >10' To 15', Add	5.21	
	For Elevated Installation >15' To 20', Add	10.42	
	For Elevated Installation >20' To 25', Add	13.03	
	For Elevated Installation >25' To 30', Add	18.24	
	For Elevated Installation >30' To 35', Add	20.85	
	For Elevated Installation >35' To 40', Add	26.06	
	For Elevated Installation >40', Add	28.67	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.64	
26 05 33 13-2667	EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	127.43	23.70
	For Work In Restricted Working Space, Add	17.77	
	For Elevated Installation >10' To 15', Add	5.92	
	For Elevated Installation >15' To 20', Add	11.85	
	For Elevated Installation >20' To 25', Add	14.81	
	For Elevated Installation >25' To 30', Add	20.73	
	For Elevated Installation >30' To 35', Add	23.69	
	For Elevated Installation >35' To 40', Add	29.62	
	For Elevated Installation >40', Add	32.58	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	

26 05 33 13-2668 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover

(26 05 33 13-2660)

26 05 33 13-2669	EA 1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	33.11	9.00
	For Work In Restricted Working Space, Add	6.75	
	For Elevated Installation >10' To 15', Add	2.25	
	For Elevated Installation >15' To 20', Add	4.50	
	For Elevated Installation >20' To 25', Add	5.63	
	For Elevated Installation >25' To 30', Add	7.88	
	For Elevated Installation >30' To 35', Add	9.00	
	For Elevated Installation >35' To 40', Add	11.25	
	For Elevated Installation >40', Add	12.38	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-2670	EA 3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	43.11	11.85
	For Work In Restricted Working Space, Add	8.88	
	For Elevated Installation >10' To 15', Add	2.96	
	For Elevated Installation >15' To 20', Add	5.92	
	For Elevated Installation >20' To 25', Add	7.40	
	For Elevated Installation >25' To 30', Add	10.36	
	For Elevated Installation >30' To 35', Add	11.84	
	For Elevated Installation >35' To 40', Add	14.81	
	For Elevated Installation >40', Add	16.29	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2671	EA	1"	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	52.97	14.68
			For Work In Restricted Working Space, Add	11.02	
			For Elevated Installation >10' To 15', Add	3.67	
			For Elevated Installation >15' To 20', Add	7.35	
			For Elevated Installation >20' To 25', Add	9.18	
			For Elevated Installation >25' To 30', Add	12.86	
			For Elevated Installation >30' To 35', Add	14.69	
			For Elevated Installation >35' To 40', Add	18.37	
			For Elevated Installation >40', Add	20.20	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 05 33 13-2672	EA	1-1/4"	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	73.19	18.00
			For Work In Restricted Working Space, Add	13.51	
			For Elevated Installation >10' To 15', Add	4.50	
			For Elevated Installation >15' To 20', Add	9.00	
			For Elevated Installation >20' To 25', Add	11.26	
			For Elevated Installation >25' To 30', Add	15.76	
			For Elevated Installation >30' To 35', Add	18.01	
			For Elevated Installation >35' To 40', Add	22.51	
			For Elevated Installation >40', Add	24.76	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51	
26 05 33 13-2673	EA	1-1/2"	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	90.13	20.85
			For Work In Restricted Working Space, Add	15.64	
			For Elevated Installation >10' To 15', Add	5.21	
			For Elevated Installation >15' To 20', Add	10.42	
			For Elevated Installation >20' To 25', Add	13.03	
			For Elevated Installation >25' To 30', Add	18.24	
			For Elevated Installation >30' To 35', Add	20.85	
			For Elevated Installation >35' To 40', Add	26.06	
			For Elevated Installation >40', Add	28.67	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.64	
26 05 33 13-2674	EA	2"	Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	126.89	23.70
			For Work In Restricted Working Space, Add	17.77	
			For Elevated Installation >10' To 15', Add	5.92	
			For Elevated Installation >15' To 20', Add	11.85	
			For Elevated Installation >20' To 25', Add	14.81	
			For Elevated Installation >25' To 30', Add	20.73	
			For Elevated Installation >30' To 35', Add	23.69	
			For Elevated Installation >35' To 40', Add	29.62	
			For Elevated Installation >40', Add	32.58	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	
26 05 33 13-2675			Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ⁽²⁶⁾		
			^(05 33 13-2660)		
26 05 33 13-2676	EA	1/2"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	42.61	11.85
			For Work In Restricted Working Space, Add	8.88	
			For Elevated Installation >10' To 15', Add	2.96	
			For Elevated Installation >15' To 20', Add	5.92	
			For Elevated Installation >20' To 25', Add	7.40	
			For Elevated Installation >25' To 30', Add	10.36	
			For Elevated Installation >30' To 35', Add	11.84	
			For Elevated Installation >35' To 40', Add	14.81	
			For Elevated Installation >40', Add	16.29	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-2677	EA	3/4"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	55.46	14.68
			For Work In Restricted Working Space, Add	11.02	
			For Elevated Installation >10' To 15', Add	3.67	
			For Elevated Installation >15' To 20', Add	7.35	
			For Elevated Installation >20' To 25', Add	9.18	
			For Elevated Installation >25' To 30', Add	12.86	
			For Elevated Installation >30' To 35', Add	14.69	
			For Elevated Installation >35' To 40', Add	18.37	
			For Elevated Installation >40', Add	20.20	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 05 33 13-2678	EA	1"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	66.91	18.00
			For Work In Restricted Working Space, Add	13.51	
			For Elevated Installation >10' To 15', Add	4.50	
			For Elevated Installation >15' To 20', Add	9.00	
			For Elevated Installation >20' To 25', Add	11.26	
			For Elevated Installation >25' To 30', Add	15.76	
			For Elevated Installation >30' To 35', Add	18.01	
			For Elevated Installation >35' To 40', Add	22.51	
			For Elevated Installation >40', Add	24.76	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51	
26 05 33 13-2679	EA	1-1/4"	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	92.28	20.85
			For Work In Restricted Working Space, Add	16.35	
			For Elevated Installation >10' To 15', Add	5.45	
			For Elevated Installation >15' To 20', Add	10.90	
			For Elevated Installation >20' To 25', Add	13.62	
			For Elevated Installation >25' To 30', Add	19.07	
			For Elevated Installation >30' To 35', Add	21.80	
			For Elevated Installation >35' To 40', Add	27.25	
			For Elevated Installation >40', Add	29.97	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.35	

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2680	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	118.14	23.70
		For Work In Restricted Working Space, Add	19.19	
		For Elevated Installation >10' To 15', Add	6.40	
		For Elevated Installation >15' To 20', Add	12.79	
		For Elevated Installation >20' To 25', Add	15.99	
		For Elevated Installation >25' To 30', Add	22.39	
		For Elevated Installation >30' To 35', Add	25.59	
		For Elevated Installation >35' To 40', Add	31.99	
		For Elevated Installation >40', Add	35.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.19	
26 05 33 13-2681	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	158.57	26.53
		For Work In Restricted Working Space, Add	22.03	
		For Elevated Installation >10' To 15', Add	7.34	
		For Elevated Installation >15' To 20', Add	14.69	
		For Elevated Installation >20' To 25', Add	18.36	
		For Elevated Installation >25' To 30', Add	25.70	
		For Elevated Installation >30' To 35', Add	29.38	
		For Elevated Installation >35' To 40', Add	36.72	
		For Elevated Installation >40', Add	40.39	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.03	

26 05 33 13-2682 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05

26 05 33 13-2683	EA	1 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	34.03	9.00
		For Work In Restricted Working Space, Add	6.75	
		For Elevated Installation >10' To 15', Add	2.25	
		For Elevated Installation >15' To 20', Add	4.50	
		For Elevated Installation >20' To 25', Add	5.63	
		For Elevated Installation >25' To 30', Add	7.88	
		For Elevated Installation >30' To 35', Add	9.00	
		For Elevated Installation >35' To 40', Add	11.25	
		For Elevated Installation >40', Add	12.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.75	
26 05 33 13-2684	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	45.52	11.85
		For Work In Restricted Working Space, Add	8.88	
		For Elevated Installation >10' To 15', Add	2.96	
		For Elevated Installation >15' To 20', Add	5.92	
		For Elevated Installation >20' To 25', Add	7.40	
		For Elevated Installation >25' To 30', Add	10.36	
		For Elevated Installation >30' To 35', Add	11.84	
		For Elevated Installation >35' To 40', Add	14.81	
		For Elevated Installation >40', Add	16.29	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.88	
26 05 33 13-2685	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	58.13	14.68
		For Work In Restricted Working Space, Add	11.02	
		For Elevated Installation >10' To 15', Add	3.67	
		For Elevated Installation >15' To 20', Add	7.35	
		For Elevated Installation >20' To 25', Add	9.18	
		For Elevated Installation >25' To 30', Add	12.86	
		For Elevated Installation >30' To 35', Add	14.69	
		For Elevated Installation >35' To 40', Add	18.37	
		For Elevated Installation >40', Add	20.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	
26 05 33 13-2686	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	75.15	18.00
		For Work In Restricted Working Space, Add	13.51	
		For Elevated Installation >10' To 15', Add	4.50	
		For Elevated Installation >15' To 20', Add	9.00	
		For Elevated Installation >20' To 25', Add	11.26	
		For Elevated Installation >25' To 30', Add	15.76	
		For Elevated Installation >30' To 35', Add	18.01	
		For Elevated Installation >35' To 40', Add	22.51	
		For Elevated Installation >40', Add	24.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.51	
26 05 33 13-2687	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	91.26	20.85
		For Work In Restricted Working Space, Add	15.64	
		For Elevated Installation >10' To 15', Add	5.21	
		For Elevated Installation >15' To 20', Add	10.42	
		For Elevated Installation >20' To 25', Add	13.03	
		For Elevated Installation >25' To 30', Add	18.24	
		For Elevated Installation >30' To 35', Add	20.85	
		For Elevated Installation >35' To 40', Add	26.06	
		For Elevated Installation >40', Add	28.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.64	
26 05 33 13-2688	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	137.40	23.70
		For Work In Restricted Working Space, Add	17.77	
		For Elevated Installation >10' To 15', Add	5.92	
		For Elevated Installation >15' To 20', Add	11.85	
		For Elevated Installation >20' To 25', Add	14.81	
		For Elevated Installation >25' To 30', Add	20.73	
		For Elevated Installation >30' To 35', Add	23.69	
		For Elevated Installation >35' To 40', Add	29.62	
		For Elevated Installation >40', Add	32.58	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.77	

26 05 33 13-2689 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-2547)

26 05 33 13-2690	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	169.11	25.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2691	EA		1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) 632.33 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 36.00		47.97
26 05 33 13-2692	EA		3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400) 1,216.30 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 73.03		97.37
26 05 33 13-2693			Replacement Covers And Gaskets For Conduit Body (26 05 33 13-2547)		
26 05 33 13-2694			Replacement Stamped Aluminum Conduit Body Cover (26 05 33 13-2693)		
26 05 33 13-2695	EA		1/2" Replacement Stamped Aluminum Conduit Body Cover 12.15		4.62
26 05 33 13-2696	EA		3/4" Replacement Stamped Aluminum Conduit Body Cover 14.84		5.39
26 05 33 13-2697	EA		1" Replacement Stamped Aluminum Conduit Body Cover 19.01		6.93
26 05 33 13-2698	EA		1-1/4" Replacement Stamped Aluminum Conduit Body Cover 23.15		8.47
26 05 33 13-2699	EA		1-1/2" Replacement Stamped Aluminum Conduit Body Cover 28.43		10.01
26 05 33 13-2700	EA		2" Replacement Stamped Aluminum Conduit Body Cover 33.68		11.55
26 05 33 13-2701	EA		2-1/2" Replacement Stamped Aluminum Conduit Body Cover 44.50		13.09
26 05 33 13-2702	EA		3" Replacement Stamped Aluminum Conduit Body Cover 57.62		18.48
26 05 33 13-2703	EA		3-1/2" Replacement Stamped Aluminum Conduit Body Cover 62.56		20.79
26 05 33 13-2704	EA		4" Replacement Stamped Aluminum Conduit Body Cover 78.81		26.18
26 05 33 13-2705			Replacement Cast Steel Conduit Body Cover (26 05 33 13-2693)		
26 05 33 13-2706	EA		1/2" Replacement Cast Steel Conduit Body Cover 14.12		4.62
26 05 33 13-2707	EA		3/4" Replacement Cast Steel Conduit Body Cover 16.56		5.39
26 05 33 13-2708	EA		1" Replacement Cast Steel Conduit Body Cover 23.27		6.93
26 05 33 13-2709	EA		1-1/4" Replacement Cast Steel Conduit Body Cover 28.91		8.47
26 05 33 13-2710	EA		1-1/2" Replacement Cast Steel Conduit Body Cover 35.14		10.01
26 05 33 13-2711	EA		2" Replacement Cast Steel Conduit Body Cover 41.36		11.55
26 05 33 13-2712	EA		2-1/2" Replacement Cast Steel Conduit Body Cover 47.54		13.09
26 05 33 13-2713	EA		3" Replacement Cast Steel Conduit Body Cover 64.82		18.48
26 05 33 13-2714	EA		3-1/2" Replacement Cast Steel Conduit Body Cover 73.89		20.79
26 05 33 13-2715	EA		4" Replacement Cast Steel Conduit Body Cover 93.15		26.18
26 05 33 13-2716			Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2693)		
26 05 33 13-2717	EA		1/2" Replacement Velbuna Composition Conduit Body Gasket 11.26		4.62
26 05 33 13-2718	EA		3/4" Replacement Velbuna Composition Conduit Body Gasket 12.86		5.39
26 05 33 13-2719	EA		1" Replacement Velbuna Composition Conduit Body Gasket 16.80		6.93
26 05 33 13-2720	EA		1-1/4" Replacement Velbuna Composition Conduit Body Gasket 21.81		8.47
26 05 33 13-2721	EA		1-1/2" Replacement Velbuna Composition Conduit Body Gasket 24.89		10.01
26 05 33 13-2722	EA		2" Replacement Velbuna Composition Conduit Body Gasket 29.59		11.55
26 05 33 13-2723	EA		2-1/2" Replacement Velbuna Composition Conduit Body Gasket 38.91		13.09
26 05 33 13-2724	EA		3" Replacement Velbuna Composition Conduit Body Gasket 50.64		18.48
26 05 33 13-2725	EA		3-1/2" Replacement Velbuna Composition Conduit Body Gasket 55.95		20.79
26 05 33 13-2726	EA		4" Replacement Velbuna Composition Conduit Body Gasket 66.61		26.18
26 05 33 13-2727			Replacement Neoprene Conduit Body Gasket (26 05 33 13-2693)		
26 05 33 13-2728	EA		1/2" Replacement Neoprene Conduit Body Gasket 12.63		4.62
26 05 33 13-2729	EA		3/4" Replacement Neoprene Conduit Body Gasket 14.17		5.39
26 05 33 13-2730	EA		1" Replacement Neoprene Conduit Body Gasket 18.53		6.93
26 05 33 13-2731	EA		1-1/4" Replacement Neoprene Conduit Body Gasket 22.69		8.47
26 05 33 13-2732	EA		1-1/2" Replacement Neoprene Conduit Body Gasket 25.77		10.01
26 05 33 13-2733	EA		2" Replacement Neoprene Conduit Body Gasket 29.68		11.55
26 05 33 13-2734	EA		2-1/2" Replacement Neoprene Conduit Body Gasket 39.12		13.09
26 05 33 13-2735	EA		3" Replacement Neoprene Conduit Body Gasket 50.85		18.48
26 05 33 13-2736	EA		3-1/2" Replacement Neoprene Conduit Body Gasket 57.41		20.79
26 05 33 13-2737	EA		4" Replacement Neoprene Conduit Body Gasket 68.07		26.18
26 05 33 13-2738			Cutting Knockouts In-Place Metal Boxes Or Enclosures (26 05 33 13-0058) Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2739	EA		1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures 19.61 <i>For Work In Restricted Working Space, Add</i> 5.88		
26 05 33 13-2740	EA		3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures 22.08 <i>For Work In Restricted Working Space, Add</i> 6.62		
26 05 33 13-2741	EA		1", Cutting Knockouts In-Place Metal Boxes Or Enclosures 25.97 <i>For Work In Restricted Working Space, Add</i> 7.79		
26 05 33 13-2742	EA		1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures 28.82 <i>For Work In Restricted Working Space, Add</i> 8.65		
26 05 33 13-2743	EA		1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures 32.47 <i>For Work In Restricted Working Space, Add</i> 9.74		
26 05 33 13-2744	EA		2", Cutting Knockouts In-Place Metal Boxes Or Enclosures 38.44 <i>For Work In Restricted Working Space, Add</i> 11.53		
26 05 33 13-2745	EA		2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures 45.45 <i>For Work In Restricted Working Space, Add</i> 13.64		
26 05 33 13-2746	EA		3", Cutting Knockouts In-Place Metal Boxes Or Enclosures 51.95 <i>For Work In Restricted Working Space, Add</i> 15.59		
26 05 33 13-2747	EA		3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures 58.43 <i>For Work In Restricted Working Space, Add</i> 17.53		
26 05 33 13-2748	EA		4", Cutting Knockouts In-Place Metal Boxes Or Enclosures 64.92 <i>For Work In Restricted Working Space, Add</i> 19.48		
26 05 33 13-2749			Buried Pipe Or Conduit Wrap (26 05 33 13)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 13-2750		All-Weather Corrosion Protection Tape For Pipe Or Conduit (26 05 33 13-2749)	
		Note: Priced by the linear feet of pipe or conduit the tape is installed on.	
26 05 33 13-2751	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	2.76
26 05 33 13-2752	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.18
26 05 33 13-2753	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.68
26 05 33 13-2754	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.23
26 05 33 13-2755	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.82
26 05 33 13-2756	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	5.79
26 05 33 13-2757	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	6.43
26 05 33 13-2758	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	7.09
26 05 33 13-2759	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	8.82
26 05 33 13-2760	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	10.19
26 05 33 13-2761	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	11.56
26 05 33 13-2762	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	2.78
26 05 33 13-2763	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.30
26 05 33 13-2764	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.85
26 05 33 13-2765	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.44
26 05 33 13-2766	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	5.09
26 05 33 13-2767	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	6.17
26 05 33 13-2768	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	7.03
26 05 33 13-2769	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	7.95
26 05 33 13-2770	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	9.99
26 05 33 13-2771	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	11.66
26 05 33 13-2772	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	13.31

26 05 33 16 Boxes for Electrical Systems (26 05 33)

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

26 05 33 16-0001		Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)	
		Note: Thin wall metal. See CSI section 26 27 26 00-0005 for steel box/receptacle assemblies, 26 27 26 00-0134 for steel box/switch assemblies.	

26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)

26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	41.29	19.45
		For Stud Bracket, Add	0.59	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	42.37	19.45
		For Stud Bracket, Add	1.05	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	46.09	19.45
		For Stud Bracket, Add	1.15	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	31.23	12.97
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	27.47	12.97
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	14.11	6.48
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	14.28	6.48
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	14.40	6.48
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	14.81	6.48
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	14.93	6.48
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	16.21	6.48
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	14.59	6.48
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	14.72	6.48
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	14.87	6.48
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	16.19	6.48
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	16.46	6.48
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	18.13	6.48
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	15.24	6.48
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	16.30	6.48
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	14.58	6.48
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	14.67	6.48
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	14.55	6.48
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	14.83	6.48
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	15.07	6.48
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.02	6.48
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.03	6.48
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	18.02	6.48
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.03	6.48
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.72	6.48
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.02	6.48
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	18.02	6.48
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	13.73	6.48

26 05 33 16-0035 4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)

26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	45.29	19.45
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	42.84	19.45
		For Stud Bracket, Add	0.55	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	55.15	19.45
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	32.26	12.97
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	32.86	12.97
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	16.56	6.48
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	16.59	6.48

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.63		6.48
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.21		6.48
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	17.12		6.48
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	21.47		6.48
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	17.39		6.48
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	17.61		6.48
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	17.63		6.48
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	19.17		6.48
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	19.49		6.48
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	23.21		6.48
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	17.19		6.48
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	17.30		6.48
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	20.18		6.48
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	20.99		6.48
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	19.94		6.48
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	19.06		6.48
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	22.01		6.48
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.98		6.48
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.98		6.48
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.98		6.48
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover.....	14.39		6.48
26 05 33 16-0064 Steel Square Box Brackets (26 05 33 16-0001)					
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	20.58		9.73
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box.....	14.69		6.49
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	23.19		9.73
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	24.53		9.73
26 05 33 16-0069 4" Octagon Steel Boxes And Covers (26 05 33 16-0001)					
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box.....	34.37		16.20
		For Stud Bracket, Add.....	1.42		
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box.....	35.32		16.20
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover.....	13.67		6.48
26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)					
		Note: Placed in concrete slabs or walls.			
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring.....	56.16		
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	59.44		
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring.....	62.22		
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	64.94		
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring.....	70.15		
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring.....	75.50		
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring.....	79.84		
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover.....	14.98		6.48
26 05 33 16-0082 4-1/2" Steel Gang Boxes (26 05 33 16-0001)					
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	47.80		16.20
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	52.33		17.51
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	62.10		19.45
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	78.96		21.39
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	112.72		23.34
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	62.43		16.20
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	67.93		17.51
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	88.43		19.45
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	111.71		21.39
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	177.47		23.34
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring.....	20.58		6.48
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring.....	20.83		6.48
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring.....	23.65		6.48
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring.....	28.50		6.48
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring.....	39.13		6.48
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover.....	18.16		6.48
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover.....	20.80		6.48
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover.....	24.31		6.48
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover.....	28.77		6.48
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover.....	39.89		6.48
26 05 33 16-0103 Steel Switch Boxes (26 05 33 16-0001)					
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	36.20		16.20
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	36.61		16.20
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	38.72		16.20
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box.....	43.47		16.20
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box.....	43.88		16.20
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box.....	50.31		16.20
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)					
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box.....	34.27		16.20
		For Stud Bracket, Add.....	2.29		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box.....	34.71	16.20
		<i>For Stud Bracket, Add</i>	0.99	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box.....	35.68	16.20
		<i>For Stud Bracket, Add</i>	1.34	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	22.11	9.72
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	21.67	9.72
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover.....	7.44	3.24
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	7.52	3.24
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	7.11	3.24
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	7.14	3.24
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	7.97	3.24
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover.....	7.14	3.24

26 05 33 16-0122 3-1/2" Depth, 3-3/4" Steel Masonry Boxes (26 05 33 16-0001)

26 05 33 16-0123	EA	1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	50.53	22.69
26 05 33 16-0124	EA	2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	55.73	23.99
26 05 33 16-0125	EA	3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	63.01	25.93
26 05 33 16-0126	EA	4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	71.20	28.53

26 05 33 16-0127 Cast Boxes (26 05 33 16)

Note: For flush or surface mount.

26 05 33 16-0128 Cast Iron Alloy Boxes (26 05 33 16-0127)

See CSI section 26 27 26 00-0287 for box covers.

26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128)

Note: Up to 2" deep boxes.

26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	113.88	38.90
		Note: One hub.		
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	122.13	45.38
		Note: One hub.		
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	143.55	55.10
		Note: One hub.		
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	141.81	51.87
		Note: Two hub.		
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	182.03	61.59
		Note: Two hub.		
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	141.19	51.87
		Note: Two hub.		
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	169.92	61.59
		Note: Two hubs.		
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box.....	145.09	51.87
		Note: Two hubs.		
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box.....	169.97	61.59
		Note: Two hubs.		
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	141.19	51.87
		Note: Two hubs.		
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box.....	165.16	61.59
		Note: Two hubs.		
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box.....	167.77	64.82
		Note: Three hubs.		
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box.....	198.38	77.79
		Note: Three hubs.		
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box.....	175.24	64.82
		Note: Three hubs.		
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box.....	226.88	77.79
		Note: Three hubs.		
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box.....	180.12	64.82
		Note: Three hubs.		
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box.....	215.16	77.79
		Note: Three hubs.		
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box.....	167.13	64.82
		Note: Three hubs.		
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box.....	218.46	77.79
		Note: Three hubs.		
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box.....	213.81	77.79
		Note: Four hubs.		
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box.....	257.92	94.00
		Note: Four hubs.		

26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128)

Note: >2" deep boxes.

26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	119.38	38.90
		Note: One hub.		
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	137.40	45.38
		Note: One hub.		
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box.....	161.17	55.10
		Note: One hub.		
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box.....	151.87	51.87
		Note: Two hubs.		
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box.....	175.09	61.59
		Note: Two hubs.		
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box.....	210.38	74.55
		Note: Two hubs.		
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box.....	188.81	61.59
		Note: Two hubs.		

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box	243.13	77.79	
		Note: Three hubs.			
26 05 33 16-0160		Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128)			
		Note: Up to 2" deep boxes.			
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box	137.67	42.14	
		Note: One hub.			
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box	152.26	48.62	
		Note: One hub.			
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box	176.61	58.34	
		Note: One hub.			
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box	166.25	55.10	
		Note: Two hubs.			
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box	188.52	64.82	
		Note: Two hubs.			
26 05 33 16-0166		Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128)			
		Note: >2" deep boxes.			
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box	154.19	42.14	
		Note: One hub.			
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box	167.80	48.62	
		Note: One hub.			
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box	191.12	55.10	
		Note: Two hubs.			
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box	214.79	64.82	
		Note: Two hubs.			
26 05 33 16-0171		Cast Aluminum Boxes (26 05 33 16-0127)			
		See CSI section 26 27 26 00-0287 for box covers.			
26 05 33 16-0172		Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171)			
		Note: Up to 2" deep boxes.			
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box	100.91	32.42	
		Note: One hub.			
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box	115.32	38.90	
		Note: One hub.			
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box	127.41	48.62	
		Note: One hub.			
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box	94.50	32.42	
		Note: One hub.			
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box	119.84	38.90	
		Note: One hub.			
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box	127.47	45.38	
		Note: Two hubs.			
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box	153.06	55.10	
		Note: Two hubs.			
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box	192.22	68.07	
		Note: Two hubs.			
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box	138.62	45.38	
		Note: Two hubs.			
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box	147.63	55.10	
		Note: Two hubs.			
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box	132.28	45.38	
		Note: Two hubs.			
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box	151.42	55.10	
		Note: Two hubs.			
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box	128.18	45.38	
		Note: Two hubs.			
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box	151.42	55.10	
		Note: Two hubs.			
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box	118.72	45.38	
		Note: Two hubs.			
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box	161.48	55.10	
		Note: Two hubs.			
26 05 33 16-0189	EA	1/2" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box	151.18	58.34	
		Note: Three hubs.			
26 05 33 16-0190	EA	3/4" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box	183.63	71.31	
		Note: Three hubs.			
26 05 33 16-0191	EA	1/2" Depth, Type FSFC, Shallow, Single Gang Cast Aluminum Box	160.98	58.34	
		Note: Three hubs.			
26 05 33 16-0192	EA	3/4" Depth, Type FSFC, Shallow, Single Gang Cast Aluminum Box	217.59	71.31	
		Note: Three hubs.			
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box	160.16	58.34	
		Note: Three hubs.			
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box	196.55	71.31	
		Note: Three hubs.			
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box	199.46	71.31	
		Note: Three hubs.			
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box	195.27	71.31	
		Note: Four hubs.			
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box	238.28	87.52	
		Note: Four hubs.			
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171)			
		Note: >2" deep boxes.			

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box.....	112.28	32.42	
		Note: One hub.			
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box.....	134.50	38.90	
		Note: One hub.			
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box.....	153.79	48.62	
		Note: One hub.			
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box	144.89	38.90	
		Note: One hub.			
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box	142.17	45.38	
		Note: Two hubs.			
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box	171.11	55.10	
		Note: Two hubs.			
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box	190.52	68.07	
		Note: Two hubs.			
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box	173.52	55.10	
		Note: Two hubs.			
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box.....	211.70	71.31	
		Note: Three hubs.			
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171)					
		Note: Up to 2" deep boxes.			
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box	134.69	35.65	
		Note: One hub.			
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box	154.06	42.14	
		Note: One hub.			
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box	164.55	51.87	
		Note: One hub.			
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box.....	167.80	48.62	
		Note: Two hubs.			
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box.....	169.96	58.34	
		Note: Two hubs.			
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box.....	210.04	71.31	
		Note: Two hubs.			
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171)					
		Note: >2" deep boxes.			
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box	134.56	35.65	
		Note: One hub.			
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box	155.61	42.14	
		Note: One hub.			
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box	171.35	48.62	
		Note: Two hubs.			
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box	193.73	58.34	
		Note: Two hubs.			
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box	171.35	48.62	
		Note: Two hubs.			
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box	193.73	58.34	
		Note: Two hubs.			
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171)					
		Note: Up to 2" deep boxes.			
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box.....	179.73	51.87	
		Note: Two hubs.			
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box.....	201.20	61.59	
		Note: Two hubs.			
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171)					
		Note: >2" deep boxes.			
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box	206.77	45.38	
		Note: One hub.			
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box	229.87	55.10	
		Note: One hub.			
26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127)					
		Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.			
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	213.28	51.87	
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	265.22	58.34	
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	240.94	64.82	
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	236.24	58.34	
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	288.96	64.82	
26 05 33 16-0234 Non-Metallic (PVC) Boxes (26 05 33 16)					
		See CSI section 26 27 26 00-0287 for box covers.			
26 05 33 16-0235 Shallow, Single Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)					
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box	66.95	27.23	
		Note: One hub.			
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box	76.42	31.77	
		Note: One hub.			
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box	86.76	38.57	
		Note: One hub.			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	85.50	36.31
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	100.39	43.11
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	121.78	52.19
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	85.83	36.31
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	99.51	43.11
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	118.77	52.19
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	108.45	45.38
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	123.11	54.45
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	144.75	65.80
26 05 33 16-0248 Deep, Single Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)				
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	67.92	27.23
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	66.22	27.23
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	78.74	31.77
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	87.70	38.57
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	87.41	36.31
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	97.88	43.11
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	116.90	52.19
26 05 33 16-0256 Shallow, Two Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)				
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	72.00	29.50
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	82.44	34.03
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	91.46	40.84
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	87.92	38.57
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	109.09	45.38
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	128.96	54.45
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	90.18	38.57
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	115.36	45.38
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	123.93	54.45
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	110.17	47.65
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	145.94	56.73
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	149.14	68.07
26 05 33 16-0269 Poke Thru Units (26 05 33 16)				
26 05 33 16-0270 Surface Poke Thru Units (26 05 33 16-0269)				
Note: Excludes concrete drilling.				
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	533.32	48.62
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	340.89	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	48.77	12.97
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	57.37	6.48
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	602.65	51.87
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	319.54	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	83.13	19.45

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC4APTCBK.	57.37	6.48	
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold ABPLUG4.	166.16	12.97	
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	477.62	45.38	
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	40.21	6.48	
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	475.45	45.38	
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	55.49	6.48	
26 05 33 16-0284 Recessed Poke Thru Units (26 05 33 16-0269)					
Note: Excludes concrete drilling.					
26 05 33 16-0285 Evolution 6AT Poke Thru Units (26 05 33 16-0284)					
Note: Excludes concrete drilling.					
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	846.57	51.87	
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	846.67	51.87	
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	807.39	51.87	
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	807.39	51.87	
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	846.57	51.87	
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	846.57	51.87	
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	774.22	51.87	
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	488.79	48.62	
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	523.45	48.62	
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	526.88	48.62	
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS)..... Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	151.91	25.93	
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	339.54	12.97	
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	339.54	12.97	
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	282.71	12.97	
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	41.18	3.24	
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	21.21	6.48	
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	24.29	6.48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	21.12	6.48
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	21.18	6.48
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	21.05	6.48
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	24.62	6.48
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	24.37	6.48
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	24.93	6.48
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	20.75	6.48
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2)..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	20.77	6.48
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	20.50	6.48
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	20.50	6.48
26 05 33 16-0313 EA 20 Amperes, Duplex Receptacles (Wiremold 68REC)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	48.15	9.72
26 05 33 16-0314 EA Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	18.88	6.48
26 05 33 16-0315 EA Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	19.32	6.48
26 05 33 16-0316 EA 20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	147.50	11.66
26 05 33 16-0317 EA Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	24.09	6.48
26 05 33 16-0318 EA Bottom Housing Assembly (Wiremold 5PTHA)..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	25.04	6.48
26 05 33 16-0319 EA Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	25.72	6.48
26 05 33 16-0320 EA Bottom Housing Assembly (Wiremold 152CHA)..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	40.13	12.97
26 05 33 16-0321 EA Bottom Housing Assembly (Wiremold 575CHA)..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	46.26	16.20
26 05 33 16-0322 EA Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	50.67	16.20
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA)..... Note: One-gang 1 1/4" trade size conduit housing assembly.	38.64	12.97
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PTHA)..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	24.88	6.48
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	24.88	6.48
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA)..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	26.15	6.48
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA)..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	27.00	6.48
26 05 33 16-0328 Evolution 8AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,107.22	51.87
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,054.34	51.87
26 05 33 16-0331 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,119.19	51.87

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
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26 05 33 16-0332	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC).....	1,044.39	51.87
Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.				
26 05 33 16-0333	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT).....	1,034.96	51.87
Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.				
26 05 33 16-0334	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC).....	628.70	48.62
Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.				
26 05 33 16-0335	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP).....	703.20	48.62
Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.				
26 05 33 16-0336	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS).....	180.98	25.93
Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.				
26 05 33 16-0337	EA	Surface Style Cover Assembly (Wiremold 8CTC).....	366.97	12.97
Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.				
26 05 33 16-0338	EA	Flush Style Cover Assembly (Wiremold 8CT).....	366.97	12.97
Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.				
26 05 33 16-0339	EA	Tile Shim (Wiremold 8TS).....	63.80	3.24
Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.				
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8B).....	21.87	6.48
Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.				
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DP).....	21.99	6.48
Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.				
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8DEC).....	22.12	6.48
Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.				
26 05 33 16-0343	EA	Device Mounting Plate (Wiremold 8ACT6A).....	25.43	6.48
Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.				
26 05 33 16-0344	EA	Mosaic Mounting Plate (Wiremold 8MOS).....	30.51	6.48
Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.				
26 05 33 16-0345	EA	Crestron Double Gang Plate (Wiremold 8CREST).....	30.47	6.48
Note: Device plate accepts Crestron double-gang decorator style devices.				
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S1).....	21.25	6.48
Note: Receptacle opening 1 3/8". For 8" poke-thru units only.				
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8S2).....	21.51	6.48
Note: Receptacle opening 1 9/16". For 8" poke-thru units only.				
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8TRAC).....	21.25	6.48
Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.				
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8SER).....	21.25	6.48
Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.				
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8MAAP).....	30.06	6.48
Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.				
26 05 33 16-0351	EA	Device Mounting Plate (Wiremold 8AAP).....	25.28	6.48
Note: Two-gang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.				
26 05 33 16-0352	EA	8" Divider (Wiremold 8DIV).....	28.94	6.48
Note: Divider allows for separation of services when required.				
26 05 33 16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA).....	40.13	12.97
Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.				

26 05 33 23 Surface Raceways for Electrical Systems (26 05 33)**26 05 33 23-0001 Raceways (26 05 33 23)****26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)**

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	28.69	5.92
For Combination Hinged Screw Cover, Add			0.84	
For Concrete Or Masonry Surface, Add			0.59	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	23.88	8.88
For Combination Hinged Screw Cover, Add			0.31	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	28.26	11.08
For Combination Hinged Screw Cover, Add			0.31	
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	59.37	20.73
For Combination Hinged Screw Cover, Add			0.90	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	95.04	20.73
For Combination Hinged Screw Cover, Add			2.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0009	EA	2-1/2" x 2-1/2"	Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	140.72 4.09	29.50
26 05 33 23-0010	EA	2-1/2" x 2-1/2"	Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	157.95 4.64	32.58
26 05 33 23-0011 4" x 4", Wireway With Screw Cover (26 05 33 23-0002)					
26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	35.14 1.02 0.74	7.47	
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	62.81 2.40 0.74	7.47	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	19.40 0.32	6.52	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	31.25 0.32	12.44	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	70.16 0.97	25.35	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	109.38 2.93	25.35	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	154.76 4.44	32.93	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	178.80 5.09	38.50	
26 05 33 23-0020 6" x 6", Wireway With Screw Cover (26 05 33 23-0002)					
26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	52.42 1.73 0.89	8.88	
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	100.95 4.16 0.89	8.88	
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	24.47 0.51	7.11	
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	39.87 0.51	14.81	
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	98.73 1.99	29.50	
26 05 33 23-0026	EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	140.14 4.06	29.50	
26 05 33 23-0027	EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	219.64 7.30	36.84	
26 05 33 23-0028	EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	238.23 7.65	42.64	
26 05 33 23-0029 8" x 8", Wireway With Screw Cover (26 05 33 23-0002)					
26 05 33 23-0030	LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	84.29 3.25 0.97	9.71	
26 05 33 23-0031	LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	153.39 6.70 0.97	9.71	
26 05 33 23-0032	EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	26.94 0.58	7.70	
26 05 33 23-0033	EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	43.53 0.58	15.99	
26 05 33 23-0034	EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	110.15 2.26	32.46	
26 05 33 23-0035	EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	177.41 5.62	32.46	
26 05 33 23-0036	EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	263.88 9.19	40.04	
26 05 33 23-0037	EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	367.91 13.54	48.57	
26 05 33 23-0038 10" x 10", Wireway With Screw Cover (26 05 33 23-0002)					
26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	122.19 4.98 1.13	11.26	
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	215.70 9.66 1.13	11.26	
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	37.58 0.99	8.88	
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	55.35 0.99	17.77	
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	146.42 3.79	35.30	
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	279.86 10.46	35.30	
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	422.68 16.68	44.55	
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover <i>For Combination Hinged Screw Cover, Add</i>	602.12 25.07	50.35	

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26 05 33 23-0047	12" x 12", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0048	LF 12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover.....	143.52	13.62
	For Combination Hinged Screw Cover, Add	5.81	
	For Concrete Or Masonry Surface, Add	1.36	
26 05 33 23-0049	LF 12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover.....	237.49	13.62
	For Combination Hinged Screw Cover, Add	10.51	
	For Concrete Or Masonry Surface, Add	1.36	
26 05 33 23-0050	EA 12" x 12", End Plate For Surface Mounted Wireway With Screw Cover.....	49.24	9.47
	For Combination Hinged Screw Cover, Add	1.51	
26 05 33 23-0051	EA 12" x 12", Coupling For Surface Mounted Wireway With Screw Cover.....	68.20	18.95
	For Combination Hinged Screw Cover, Add	1.51	
26 05 33 23-0052	EA 12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover.....	191.52	38.50
	For Combination Hinged Screw Cover, Add	5.73	
26 05 33 23-0053	EA 12" x 12", Elbow For Surface Mounted Wireway With Screw Cover.....	368.24	38.50
	For Combination Hinged Screw Cover, Add	14.56	
26 05 33 23-0054	EA 12" x 12", Tee For Surface Mounted Wireway With Screw Cover.....	474.75	47.38
	For Combination Hinged Screw Cover, Add	19.00	
26 05 33 23-0055	EA 12" x 12", Cross For Surface Mounted Wireway With Screw Cover.....	771.92	53.31
	For Combination Hinged Screw Cover, Add	33.27	
26 05 33 23-0056	Surface Metal Raceways (26 05 33 23-0001)		
	Note: Exposed on flat wall surface.		
26 05 33 23-0057	One Piece Surface Metal Raceways (26 05 33 23-0056)		
	Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0058	3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) (26 05 33 23-0057)		
	Note: Available in ivory.		
26 05 33 23-0059	LF 3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500).....	5.20	1.77
	For Concrete Or Masonry Surface, Add	0.18	
26 05 33 23-0060	EA Bushing (Wiremold #502).....	5.13	2.37
26 05 33 23-0061	EA One Or Two Hole Strap (Wiremold #504).....	5.17	2.37
26 05 33 23-0062	EA Connection Cover (Wiremold #506).....	5.36	2.37
26 05 33 23-0063	EA Flat 90 Degree Elbow (Wiremold #511).....	8.13	2.85
26 05 33 23-0064	EA Flat 45 Degree Elbow (Wiremold #512).....	13.41	2.96
26 05 33 23-0065	EA Adjustable Internal Elbow (Wiremold #517).....	10.12	3.56
26 05 33 23-0066	EA Adjustable External Elbow (Wiremold #518).....	9.90	3.56
26 05 33 23-0067	3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) (26 05 33 23-0057)		
	Note: Available in ivory and white.		
26 05 33 23-0068	LF 3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700).....	6.59	2.37
	For Concrete Or Masonry Surface, Add	0.24	
26 05 33 23-0069	EA Bushing (Wiremold #702).....	5.26	2.37
26 05 33 23-0070	EA One Or Two Hole Strap (Wiremold #704).....	5.42	2.37
26 05 33 23-0071	EA Connection Cover (Wiremold #706).....	5.47	2.37
26 05 33 23-0072	EA Flat 90 Degree Elbow (Wiremold #711).....	12.01	4.74
26 05 33 23-0073	EA Flat 45 Degree Elbow (Wiremold #712).....	18.77	4.74
26 05 33 23-0074	EA Adjustable Internal Elbow (Wiremold #717).....	12.94	4.74
26 05 33 23-0075	EA Adjustable External Elbow (Wiremold #718).....	12.52	4.74
26 05 33 23-0076	One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) (26 05 33 23-0057)		
	Note: Available in ivory.		
26 05 33 23-0077	EA 18" Flex Fitting, For #500 Or 700 (Wiremold #5700F).....	35.35	3.56
26 05 33 23-0078	EA Galvanized Coupling For #500 Or 700 (Wiremold #5701).....	5.40	2.37
26 05 33 23-0079	EA Supporting Clip, For #500 Or 700 (Wiremold #5703).....	5.40	2.37
26 05 33 23-0080	EA Ground Clamp (Wiremold #5709).....	15.51	3.56
26 05 33 23-0081	EA Grounding Connector (Wiremold #5709GC).....	13.13	3.56
26 05 33 23-0082	EA L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711).....	14.94	4.74
26 05 33 23-0083	EA Tee (Wiremold #5715).....	16.84	5.92
26 05 33 23-0084	EA 2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719).....	29.01	4.74
26 05 33 23-0085	EA Utility Box For #500 Or #700 (Wiremold #57242).....	22.38	4.74
26 05 33 23-0086	EA 2-3/8" Diameter, Blank Cover (Wiremold #5731).....	12.05	2.96
26 05 33 23-0087	EA 3" Diameter, Outlet Box (Wiremold #5733).....	27.65	4.74
26 05 33 23-0088	EA 4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735).....	27.54	4.74
26 05 33 23-0089	EA 4-3/8" Blank Cover (Wiremold #5736).....	12.76	2.96
26 05 33 23-0090	EA 4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737).....	25.04	4.74
26 05 33 23-0091	EA 5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A).....	24.17	4.74
26 05 33 23-0092	EA 4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738).....	24.38	4.74
26 05 33 23-0093	EA 5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A).....	24.38	4.74
26 05 33 23-0094	EA 5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF).....	27.54	4.74
26 05 33 23-0095	EA 6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739).....	27.21	4.74
26 05 33 23-0096	EA 6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A).....	29.02	4.74
26 05 33 23-0097	EA Standard Switch Box For #500, Or #700 (Wiremold #57240).....	32.83	7.70
26 05 33 23-0098	EA Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G).....	52.04	14.81
26 05 33 23-0099	EA 2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741).....	24.86	7.70
26 05 33 23-0100	EA 1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744).....	39.22	7.70
26 05 33 23-0101	EA 2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2).....	44.92	7.70
26 05 33 23-0102	EA 3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3).....	68.10	7.70
26 05 33 23-0103	EA 1 Gang, Signal Box (Wiremold #5744S).....	35.52	6.52

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2).....	39.63	6.52
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3).....	63.45	6.52
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745).....	25.95	7.70
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747).....	22.84	7.70
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2).....	32.05	7.70
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3).....	62.17	7.70
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748).....	24.40	7.70
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2).....	33.91	7.70
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3).....	60.43	7.70
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4).....	89.61	7.70
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5).....	147.63	7.70
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6).....	150.22	7.70
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S).....	24.10	7.70
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751).....	23.44	7.70
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2).....	31.12	7.70
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3).....	61.02	7.70
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A).....	25.32	7.70
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752).....	32.73	7.70
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753).....	47.07	7.70
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760).....	16.36	2.96
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780).....	15.59	2.96
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781).....	10.39	2.96
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A).....	19.56	3.56
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782).....	10.48	2.96
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A).....	24.49	3.56
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784).....	21.94	3.56
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785).....	12.24	3.56
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786).....	20.38	3.56
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B).....	10.64	2.96
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791).....	9.42	2.37
26 05 33 23-0134 1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) (26 05 33 23-0057)				
Note: Galvanized finish.				
26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10).....	9.51	2.96
For Concrete Or Masonry Surface, Add			0.30	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC).....	5.92	2.37
26 05 33 23-0137	EA	Bushing (Wiremold #1502).....	7.02	2.96
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504).....	7.94	3.56
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511).....	30.71	11.26
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517).....	31.72	11.26
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B).....	34.09	11.26
26 05 33 23-0142	EA	External Elbow (Wiremold #1518).....	33.89	11.26
26 05 33 23-0143	EA	Utility Box (Wiremold #1528).....	30.58	7.70
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D).....	31.53	7.70
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL).....	61.78	14.81
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A).....	32.46	7.70
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B).....	39.68	7.70
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T).....	38.93	7.70
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585).....	18.82	3.56
26 05 33 23-0150 2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) (26 05 33 23-0057)				
Note: Galvanized finish.				
26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10).....	16.25	5.33
For Concrete Or Masonry Surface, Add			0.53	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC).....	6.08	2.37
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602).....	6.83	2.37
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611).....	24.96	4.15
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D).....	37.41	5.92
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO).....	36.52	7.11
26 05 33 23-0157 Two Piece Surface Metal Raceways (26 05 33 23-0056)				
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).				
26 05 33 23-0158 1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) (26 05 33 23-0157)				
26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC).....	8.90	2.96
For Concrete Or Masonry Surface, Add			0.30	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC).....	4.33	2.37
26 05 33 23-0161	EA	Coupling (Wiremold #2001).....	11.63	2.96
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003).....	5.51	1.77
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006).....	5.13	1.77
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009).....	13.03	2.96
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2).....	26.26	8.88
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3).....	44.36	11.85
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B).....	7.07	2.96
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011).....	22.60	7.70
26 05 33 23-0169	EA	Tee (Wiremold #2015).....	40.97	11.14
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC).....	14.64	5.92
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048).....	34.05	10.54

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2).....	52.89	11.73
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H)	36.93	11.73
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089).....	29.84	5.92
26 05 33 23-0175	EA	#2089E End Reducing Connector	12.39	2.96

26 05 33 23-0176 1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) (26 05 33 23-

0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B).....	7.71	2.96
		For Concrete Or Masonry Surface, Add	0.30	
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	8.43	2.96
		For Concrete Or Masonry Surface, Add	0.30	
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C).....	3.01	0.59
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC).....	4.34	2.37
26 05 33 23-0181	EA	Coupling (Wiremold #2401).....	11.56	2.96
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D)	9.35	2.96
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406).....	5.20	1.77
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM)	38.17	8.88
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ).....	36.60	8.88
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409).....	9.93	2.37
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A).....	25.38	8.88
26 05 33 23-0188	EA	Blank End (Wiremold #2410B).....	7.14	2.96
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD)	7.23	2.96
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C).....	38.00	8.88
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D)	36.49	8.88
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO)	59.10	8.88
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC).....	45.54	8.88
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D)	28.34	8.88
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	44.72	8.88
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO).....	40.16	8.77
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M).....	27.07	8.88
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO).....	47.89	8.77
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO).....	45.59	8.77
26 05 33 23-0200	EA	Tee (Wiremold #2415M).....	31.87	8.77
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D).....	26.77	8.77
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO).....	41.43	8.77
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO)	40.23	8.77
26 05 33 23-0204	EA	Radiused Divided External Coupling (Wiremold #2418DFO).....	44.94	8.77
26 05 33 23-0205	EA	Radiused External Coupling (Wiremold #2418FO)	44.23	8.77
26 05 33 23-0206	EA	Internal Coupling (Wiremold #2417M).....	25.97	8.77
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M).....	31.35	8.77
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444).....	40.83	7.70
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2).....	45.25	7.70
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS).....	45.47	7.70
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D).....	43.60	7.70
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A).....	61.19	7.70
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	53.97	7.70
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	28.86	7.70
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	44.27	7.70
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450).....	13.67	2.96
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	32.59	8.88
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D)	95.10	8.88
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489).....	27.92	4.74

26 05 33 23-0220 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) (26 05

33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B).....	15.27	5.33
		For Concrete Or Masonry Surface, Add	0.53	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE).....	3.58	0.59
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	5.82	2.37
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	15.09	2.37
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A).....	14.77	2.96
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003).....	10.96	2.96
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E).....	6.33	2.37
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C).....	16.29	4.74
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C).....	16.13	3.56
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	37.77	11.26
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B).....	13.86	4.74
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	41.74	11.26
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E).....	62.58	14.68
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C).....	44.96	14.81
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E).....	85.90	18.36
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	40.81	11.26
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE).....	50.16	11.26
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE).....	36.03	11.26
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	60.49	11.26
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE)	19.48	2.96
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE).....	21.29	2.96
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE).....	19.43	2.96
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE).....	22.74	3.56
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	59.46	15.40
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2).....	68.02	11.26
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE).....	19.61	3.56

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2).....	22.36	2.96
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD).....	88.62	7.11
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ).....	217.28	7.11
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU).....	77.08	7.11
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S).....	83.47	7.11
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U).....	83.47	7.11
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R).....	26.42	3.56

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) (26 05 33

23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10).....	18.59	5.33
		<i>For Concrete Or Masonry Surface, Add</i>	<i>0.57</i>	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C).....	6.48	0.59
26 05 33 23-0257	LF	Divider (Wiremold #4000D).....	3.17	0.59
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC).....	7.09	2.96
26 05 33 23-0259	EA	Couplings (Wiremold #4001A).....	18.50	3.56
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D).....	8.79	3.56
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006).....	8.94	3.56
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R).....	36.60	7.70
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B).....	19.58	4.74
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO).....	75.19	18.24
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011).....	69.76	14.81
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO).....	82.21	14.81
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX).....	76.12	18.36
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A).....	101.03	18.36
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015).....	111.96	18.36
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D).....	116.35	18.36
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO).....	138.69	18.36
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO).....	139.12	18.36
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017).....	62.10	18.36
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO).....	110.02	18.36
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N).....	68.69	18.36
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA).....	58.61	18.36
26 05 33 23-0277	EA	External Elbow (Wiremold #4018).....	92.04	18.36
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO).....	106.60	18.36
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover (Wiremold #4046ARJ).....	89.64	7.70
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2).....	95.02	7.70
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ).....	95.02	7.70
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2).....	126.87	7.70
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2).....	27.02	7.70
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ).....	81.35	3.56
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ).....	97.25	7.70
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1).....	26.71	7.70
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2).....	31.10	7.70
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050).....	30.24	5.92
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A).....	140.81	18.36
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D).....	127.00	18.36
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA).....	127.00	18.36
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A).....	103.48	34.94
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089).....	63.48	18.36

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) (26 05

33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10).....	27.07	6.52
		<i>For Concrete Or Masonry Surface, Add</i>	<i>0.65</i>	
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C).....	7.76	1.77
26 05 33 23-0297	LF	Divider (Wiremold #6000DA).....	8.15	1.77
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC).....	8.21	2.96
26 05 33 23-0299	EA	Couplings (Wiremold #6001A).....	22.73	5.92
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D).....	10.50	2.96
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX).....	29.07	7.70
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006).....	27.61	7.70
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1).....	28.94	7.70
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2).....	31.64	7.70
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A).....	45.99	11.26
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B).....	49.90	17.77
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX).....	92.81	17.77
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX).....	94.35	17.06
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A).....	134.30	18.36
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX).....	96.25	20.14
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD).....	166.88	20.14
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074).....	160.94	17.77
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A).....	174.05	17.77
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086).....	107.14	41.23

26 05 33 23-0315 Two Piece Surface Aluminum Raceways (26 05 33 23-0056)

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) (26 05 33 23-0315)

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	11.67	2.96
		<i>For Concrete Or Masonry Surface, Add</i>	0.30	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C)	5.74	0.59
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC)	5.70	2.37
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001)	12.69	2.96
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003)	6.15	1.77
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006)	7.75	1.77
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009)	11.13	2.96
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A)	31.14	8.88
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B)	10.08	2.96
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011)	35.88	7.70
26 05 33 23-0327	EA	Tee (Wiremold #AL2015)	48.71	11.14
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017)	32.38	5.92
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018)	32.31	5.92
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	53.02	11.73
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038)	121.38	10.54
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	54.49	10.54
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	111.95	11.73
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047)	56.39	10.54
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2)	99.08	11.73
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H)	43.04	11.73

26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400)

26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	12.87	2.96
		<i>For Concrete Or Masonry Surface, Add</i>	0.30	
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C)	5.80	0.59
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC)	7.62	2.37
26 05 33 23-0341	EA	Coupling (Wiremold #AL2401)	14.52	2.96
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406)	9.85	1.77
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409)	8.69	2.37
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B)	10.99	2.96
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2)	23.91	8.88
26 05 33 23-0346	EA	Flat 90 Degree Elbow (Wiremold #AL2411)	42.65	8.88
26 05 33 23-0347	EA	Tee (Wiremold #AL2415)	46.40	8.77
26 05 33 23-0348	EA	Fourway Fitting (Wiremold #AL2416)	54.30	8.77
26 05 33 23-0349	EA	Internal Coupling (Wiremold #AL2417)	42.50	8.77
26 05 33 23-0350	EA	External Coupling (Wiremold #AL2418)	45.67	8.77
26 05 33 23-0351	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	38.17	8.88

26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300)

26 05 33 23-0353	LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	23.55	5.33
		<i>For Concrete Or Masonry Surface, Add</i>	0.53	
26 05 33 23-0354	LF	Aluminum Raceway Cover (Wiremold #AL3300CE)	7.03	0.59
26 05 33 23-0355	LF	Raceway Divider (Wiremold #AL3300D)	5.79	5.33
26 05 33 23-0356	EA	Wire Clips For Conductors (Wiremold #AL3300WC)	11.26	2.37
26 05 33 23-0357	EA	Couplings (Wiremold #AL3301)	20.27	2.37
26 05 33 23-0358	EA	Divider Coupling (Wiremold #AL3301D)	17.01	2.96
26 05 33 23-0359	EA	Ground Clamp (Wiremold #AL3309)	11.40	2.37
26 05 33 23-0360	EA	Blank End Fittings (Wiremold #AL3310B)	23.72	4.74
26 05 33 23-0361	EA	End Fitting (Wiremold #AL3310B1)	38.20	11.26
26 05 33 23-0362	EA	Flat 90 Degree Elbow (Wiremold #AL3311)	118.12	14.68
		Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363	EA	Tee Fitting (Wiremold #AL3315)	135.34	18.36
		Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364	EA	Cross Fitting (Wiremold #AL3316)	153.30	18.36
		Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365	EA	Internal Elbow (Wiremold #AL3317)	110.93	11.26
		Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366	EA	External Elbow (Wiremold #AL3318)	111.05	11.26
		Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367	EA	Duplex Receptacle Cover (Wiremold #AL3346D)	24.51	3.56
26 05 33 23-0368	EA	Single Receptacle Cover (Wiremold #AL3346E)	24.35	3.56
26 05 33 23-0369	EA	GFCI/ Surge Receptacle Cover (Wiremold #AL3346G)	24.09	3.56
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R)	24.16	2.96

26 05 33 23-0371 5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)

26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)	28.33	5.33
		<i>For Concrete Or Masonry Surface, Add</i>	0.57	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C)	11.66	0.59
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D)	6.83	0.59
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC)	9.38	2.96
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2)	7.88	2.96
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3)	7.82	2.96
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201)	18.35	3.56
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206)	16.24	3.56
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209)	20.24	3.56
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B)	21.34	4.74
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1)	22.90	4.74
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2)	23.25	4.74
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3)	22.54	4.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0385	EA		Flat 90 Degree Elbow (Wiremold #AL5211)..... Note: Includes two (2) pairs of AL5201 couplings.	117.68	14.81
26 05 33 23-0386	EA		Wall Box Connector (Wiremold #AL5214)	92.62	18.36
26 05 33 23-0387	EA		Tee Fitting (Wiremold #AL5215)..... Note: Includes three (3) pairs of AL5201 couplings.	137.72	18.36
26 05 33 23-0388	EA		Four Way Fitting (Wiremold #AL5216)..... Note: Includes four (4) pairs of AL5201 couplings.	151.06	18.36
26 05 33 23-0389	EA		Internal Elbow (Wiremold #AL5217)..... Note: Includes two (2) pairs of AL5201 couplings.	122.18	18.36
26 05 33 23-0390	EA		Internal Corner Coupling (Wiremold #AL5217A).....	51.92	18.36
26 05 33 23-0391	EA		Inverted Internal Elbow (Wiremold #AL5217N).....	125.58	18.36
26 05 33 23-0392	EA		External Elbow (Wiremold #AL5218)..... Note: Includes two (2) pairs of AL5201 couplings.	123.24	18.36
26 05 33 23-0393	EA		Blank Device Cover Plate (Wiremold #AL5246B).....	26.42	3.56
26 05 33 23-0394	EA		Receptacle Device Cover Plate (Wiremold #AL5246D).....	31.30	3.56
26 05 33 23-0395	EA		Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	37.14	3.56
26 05 33 23-0396	EA		Device Cover Plate (Wiremold #AL5246F).....	34.84	3.56
26 05 33 23-0397	EA		Device Cover Plate (Wiremold #AL5246G).....	32.17	3.56
26 05 33 23-0398	EA		Offset Divider (Wiremold #AL5260).....	30.17	7.70
26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)					
(26 05 33 23-0315)					
26 05 33 23-0400	LF		Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	25.23	5.33
26 05 33 23-0401	EA		Cover Clip (Wiremold #ALA3806).....	12.06	3.56
26 05 33 23-0402	EA		Blank End Fittings (Wiremold #ALA3810B).....	21.15	4.74
26 05 33 23-0403	EA		Entrance End Cap Fittings (Wiremold #ALA3810B1).....	22.73	4.74
26 05 33 23-0404	EA		Flat 90 Degree Elbow (Wiremold #ALA3811)..... Note: Includes two (2) ALA01 couplings.	116.49	14.81
26 05 33 23-0405	EA		Flat Tee Fitting (Wiremold #ALA3815)..... Note: Includes three (3) ALA01 couplings.	120.19	18.36
26 05 33 23-0406	EA		Internal Elbow (Wiremold #ALA3817)..... Note: Includes two (2) ALA01 couplings.	117.19	18.36
26 05 33 23-0407	EA		Inverted Internal Elbow (Wiremold #ALA3817N)..... Note: Includes two (2) ALA01 couplings.	137.94	18.36
26 05 33 23-0408	EA		External Elbow (Wiremold #ALA3818)..... Note: Includes two (2) ALA01 couplings.	118.73	18.36
26 05 33 23-0409 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)					
(26 05 33 23-0315)					
26 05 33 23-0410	LF		Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10).....	41.65	5.33
26 05 33 23-0411	EA		Cover Clip (Wiremold #ALA4806).....	17.83	3.56
26 05 33 23-0412	EA		Blank End Fittings (Wiremold #ALA4810B).....	23.33	4.74
26 05 33 23-0413	EA		Entrance End Cap Fittings (Wiremold #ALA4810B2).....	26.07	4.74
26 05 33 23-0414	EA		Flat 90 Degree Elbow (Wiremold #ALA4811)..... Note: Includes four (4) ALA01 couplings.	154.86	14.81
26 05 33 23-0415	EA		Flat Tee Fitting (Wiremold #ALA4815)..... Note: Includes six (6) ALA01 couplings.	212.29	18.36
26 05 33 23-0416	EA		Internal Elbow (Wiremold #ALA4817)..... Note: Includes four (4) ALA01 couplings.	142.28	18.36
26 05 33 23-0417	EA		Inverted Internal Elbow (Wiremold #ALA4817N)..... Note: Includes four (4) ALA01 couplings.	168.08	18.36
26 05 33 23-0418	EA		External Elbow (Wiremold #ALA4818)..... Note: Includes four (4) ALA01 couplings.	149.54	18.36
26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)					
(26 05 33 23-0315)					
See CSI section 26 27 26 00-0012 for receptacles.					
26 05 33 23-0420	LF		3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5)..... Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	8.99	0.59
26 05 33 23-0421	EA		Wire Clips (Wiremold #ALAWC).....	7.99	2.96
26 05 33 23-0422	EA		Slide Couplings (Wiremold #ALA01).....	19.85	3.56
26 05 33 23-0423	EA		Grounding Adapter (Wiremold #ALA09).....	16.81	3.56
26 05 33 23-0424	EA		Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI).....	45.66	14.81
26 05 33 23-0425	EA		Internal Corner Coupling (Wiremold #ALA17A).....	54.35	18.36
26 05 33 23-0426	EA		Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI).....	51.11	14.81
26 05 33 23-0427	EA		Blank Cover Plate (Wiremold #ALA-BL).....	21.78	3.56
26 05 33 23-0428	EA		Duplex Receptacle Cover Plate (Wiremold #ALA-DR).....	23.27	3.56
26 05 33 23-0429	EA		Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E).....	24.25	3.56
26 05 33 23-0430	EA		Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F).....	23.33	3.56
26 05 33 23-0431	EA		GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G).....	23.47	3.56
26 05 33 23-0432	EA		Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J).....	24.27	3.56
26 05 33 23-0433	EA		Toggle Switch Cover Plate (Wiremold #ALA-N).....	24.92	3.56
26 05 33 23-0434	EA		Active LPB Cover Plate (Wiremold #ALA-LPB).....	32.14	3.56
26 05 33 23-0435	EA		Active MAB Cover Plate (Wiremold #ALA-MAB).....	30.17	3.56
26 05 33 23-0436	EA		Ortronics Cover Plate (Wiremold #ALA-MABRT).....	34.88	3.56
26 05 33 23-0437	EA		1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG).....	22.30	3.56
26 05 33 23-0438	EA		Active 2A Cover Plate (Wiremold #ALA-2A).....	33.67	3.56
26 05 33 23-0439	EA		Ortronics Communications Cover Plate (Wiremold #ALA-ABRT).....	30.75	3.56
26 05 33 23-0440	EA		3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z).....	24.86	3.56
26 05 33 23-0441	EA		Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2).....	31.04	3.56
26 05 33 23-0442 Surface Non-Metallic Raceways					
(26 05 33 23-0001)					
Note: Exposed on flat wall surface.					

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 23-0443	One Piece Surface Non-Metallic Raceways (26 05 33 23-0442)		
	Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444	7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) (26 05 33 23-0443)		
26 05 33 23-0445	LF	7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	6.65
		For Concrete Or Masonry Surface, Add	0.24
26 05 33 23-0446	EA	Wire Clip (Wiremold #400WC)	5.14
26 05 33 23-0447	EA	Cover Clip (Wiremold #406)	5.40
26 05 33 23-0448	EA	Blank End Clip (Wiremold #410B)	10.41
26 05 33 23-0449	EA	Flat 90 Degree Elbow (Wiremold #411)	12.00
26 05 33 23-0450	EA	Tee (Wiremold #415)	15.11
26 05 33 23-0451	EA	Internal Elbow (Wiremold #417)	11.80
26 05 33 23-0452	EA	External Elbow (Wiremold #418)	11.80
26 05 33 23-0453	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) (26 05 33 23-0443)		
26 05 33 23-0454	LF	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	7.64
		For Concrete Or Masonry Surface, Add	0.24
26 05 33 23-0455	EA	Wire Clip (Wiremold #800WC)	5.22
26 05 33 23-0456	EA	Cover Clip (Wiremold #806)	5.33
26 05 33 23-0457	EA	Entrance End Fitting (Wiremold #810A2)	15.92
26 05 33 23-0458	EA	Blank End Fitting (Wiremold #810B)	10.51
26 05 33 23-0459	EA	Flat 90 Degree Elbow (Wiremold #811)	12.08
26 05 33 23-0460	EA	Tee (Wiremold #815)	15.18
26 05 33 23-0461	EA	Internal Elbow (Wiremold #817)	11.85
26 05 33 23-0462	EA	External Elbow (Wiremold #818)	11.85
26 05 33 23-0463	EA	End Reducer, #800 To #400 (Wiremold #889A)	13.32
26 05 33 23-0464	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) (26 05 33 23-0443)		
26 05 33 23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	8.79
		For Concrete Or Masonry Surface, Add	0.24
26 05 33 23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	9.34
		For Concrete Or Masonry Surface, Add	0.24
26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC)	5.47
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306)	5.75
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A)	17.28
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B)	11.06
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO)	19.41
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311)	12.31
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	13.21
26 05 33 23-0474	EA	Tee (Wiremold #2315)	15.32
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317)	12.31
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO)	13.22
26 05 33 23-0477	EA	External Elbow (Wiremold #2318)	12.33
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO)	13.38
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389)	13.40
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A)	13.98
26 05 33 23-0481	One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) (26 05 33 23-0443)		
26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336)	14.85
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A)	24.24
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233)	24.37
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	22.02
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	25.47
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	23.97
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	26.01
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	22.15
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	25.19
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	23.04
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	27.63
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	32.95
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	31.26
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	28.35
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	21.69
26 05 33 23-0497	3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) (26 05 33 23-0443)		
26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	6.24
		For Concrete Or Masonry Surface, Add	0.24
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC)	2.69
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706)	3.96
26 05 33 23-0501	EA	Blank End (Wiremold #2710B)	6.32
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711)	7.54
26 05 33 23-0503	EA	Tee (Wiremold #2715)	12.30
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	8.73
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	8.71
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	10.28

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0507	1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) (26 05 33 23-0443)				
26 05 33 23-0508	LF 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	8.09	2.96		
	<i>For Concrete Or Masonry Surface, Add</i>	0.30			
26 05 33 23-0509	EA 1" Wire Clip (Wiremold #2800WC)	4.03	1.77		
26 05 33 23-0510	EA Cover Clip (Wiremold #2806)	5.32	1.77		
26 05 33 23-0511	EA Blank End (Wiremold #2810B)	7.68	2.96		
26 05 33 23-0512	EA Flat 90 Degree Elbow (Wiremold #2811)	10.13	4.15		
26 05 33 23-0513	EA Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	10.76	4.15		
26 05 33 23-0514	EA Tee (Wiremold #2815)	14.87	6.52		
26 05 33 23-0515	EA Internal Elbow (Wiremold #2817)	11.28	4.74		
26 05 33 23-0516	EA External Elbow (Wiremold #2818)	11.31	4.74		
26 05 33 23-0517	EA Radiused Tee (Wiremold #2815FO)	15.72	6.52		
26 05 33 23-0518	EA Radiused Internal Elbow (Wiremold #2817FO)	12.05	4.74		
26 05 33 23-0519	EA Radiused External Elbow (Wiremold #2818FO)	11.94	4.74		
26 05 33 23-0520	EA Drop Ceiling Connector (Wiremold #2886)	12.74	5.33		
26 05 33 23-0521	EA Reducer, #2800 To #2700 (Wiremold #2889)	11.46	4.74		

26 05 33 23-0522	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) (26 05 33 23-0443)				
26 05 33 23-0523	LF 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	9.84	3.56		
	<i>For Concrete Or Masonry Surface, Add</i>	0.36			
26 05 33 23-0524	EA 1-1/2" Wire Clip (Wiremold #2900WC)	5.32	2.37		
26 05 33 23-0525	EA Cover Clip (Wiremold #2906)	6.63	2.37		
26 05 33 23-0526	EA Blank End (Wiremold #2910B)	9.00	3.56		
26 05 33 23-0527	EA Flat 90 Degree Elbow (Wiremold #2911)	11.38	4.74		
26 05 33 23-0528	EA Tee (Wiremold #2915)	16.12	7.11		
26 05 33 23-0529	EA Radiused Tee (Wiremold #2915FO)	17.14	7.11		
26 05 33 23-0530	EA Radiused Flat 90 Degree Elbow (Wiremold #2911FO)	12.38	4.74		
26 05 33 23-0531	EA Internal Elbow (Wiremold #2917)	12.58	5.33		
26 05 33 23-0532	EA Radiused Internal Elbow (Wiremold #2917FO)	13.62	5.33		
26 05 33 23-0533	EA External Elbow (Wiremold #2918)	12.56	5.33		
26 05 33 23-0534	EA Radiused External Elbow (Wiremold #2918FO)	13.91	5.33		
26 05 33 23-0535	EA Drop Ceiling Connector (Wiremold #2986)	12.74	5.33		
26 05 33 23-0536	EA Reducer, #2900 To #2800 (Wiremold #2989)	14.15	5.92		
26 05 33 23-0537	EA Reducer, #2900 To #2700 (Wiremold #2989A)	13.81	5.92		

26 05 33 23-0538 Two Piece Surface Non-Metallic Raceways (26 05 33 23-0442)
Note: Exposed on flat wall surface. (Wiremold or approved equal).

26 05 33 23-0539	5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500) (26 05 33 23-0538)				
26 05 33 23-0540	LF 5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	15.14	5.33		
	<i>For Concrete Or Masonry Surface, Add</i>	0.53			
26 05 33 23-0541	LF Black, Gray Or White, Cover (Wiremold #5000C)	14.45	5.33		
26 05 33 23-0542	LF Oak Veneer, Cover (Wiremold #5000COA)	26.06	5.33		
26 05 33 23-0543	LF Maple Wood Veneer, Cover (Wiremold #5000CW)	21.47	5.33		
26 05 33 23-0544	LF Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	2.00	0.59		
26 05 33 23-0545	LF Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	7.83	0.59		
26 05 33 23-0546	LF Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	4.91	0.59		
26 05 33 23-0547	EA Base Coupling (Wiremold #5001)	14.21	5.92		
26 05 33 23-0548	EA Blank/Coax Adapter (Wiremold #5004)	7.88	2.96		
26 05 33 23-0549	EA Low Voltage Blank Plate (Wiremold #5005)	10.43	3.56		
26 05 33 23-0550	EA Cover Clip (Wiremold #5006)	15.18	5.92		
26 05 33 23-0551	EA Internal Wire Guard (Wiremold #5006A)	14.29	5.92		
26 05 33 23-0552	EA Device Bracket (Wiremold #5007C)	16.12	5.92		
26 05 33 23-0553	EA Device Plate (Wiremold #5007C-1)	29.46	11.85		
26 05 33 23-0554	EA Deep Device Plate (Wiremold #5007C-2)	30.40	11.85		
26 05 33 23-0555	EA Right Or Left End Cap (Wiremold #5010)	25.91	11.26		
26 05 33 23-0556	EA Entrance End Feed (Wiremold #5010A)	49.35	18.36		
26 05 33 23-0557	EA Internal Base Elbow (Wiremold #5017B)	34.79	14.81		
26 05 33 23-0558	EA Internal Cover Elbow (Wiremold #5017C)	31.01	11.85		
26 05 33 23-0559	EA Internal Elbow Wire Guard (Wiremold #5017WG)	21.44	8.88		
26 05 33 23-0560	EA External Base Elbow (Wiremold #5018B)	34.72	14.81		
26 05 33 23-0561	EA External Cover Elbow (Wiremold #5018C)	31.26	11.85		
26 05 33 23-0562	EA External Elbow Wire Guard (Wiremold #5018WG)	14.04	5.92		

26 05 33 23-0563	5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400) (26 05 33 23-0538)				
26 05 33 23-0564	LF 5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)	16.47	5.33		
	<i>For Concrete Or Masonry Surface, Add</i>	0.53			
26 05 33 23-0565	LF Full Width Cover (Wiremold #5400C)	5.44	0.59		
26 05 33 23-0566	LF Twin Snap Cover (Wiremold #5400TC)	3.54	0.59		
26 05 33 23-0567	EA Twin Snap Cover Wire Clips (Wiremold #5400TWC)	6.54	2.96		
26 05 33 23-0568	EA Cover Clip (Wiremold #5406A)	10.72	3.56		
26 05 33 23-0569	EA Twin Cover Clip (Wiremold #5406T)	9.16	3.56		
26 05 33 23-0570	EA Base Seam Clip (Wiremold #5406TB)	8.27	3.56		
26 05 33 23-0571	EA L Or R (Left Or Right) Transition Fitting (Wiremold #5408)	60.68	18.36		
26 05 33 23-0572	EA End Cap (Wiremold #5410)	30.21	11.26		
26 05 33 23-0573	EA Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	58.38	18.36		
26 05 33 23-0574	EA Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	52.85	14.81		
26 05 33 23-0575	EA Tee Fitting (Wiremold #5415)	61.23	18.36		
26 05 33 23-0576	EA Radiused Tee Fitting (Wiremold #5415FO)	63.93	18.36		

26 Electrical**26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO).....	51.34	18.36
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)	52.01	18.36
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)	52.64	18.36
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450)	24.21	5.92
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)	31.57	5.92
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T).....	18.78	5.92
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474).....	53.91	18.36

26 05 33 23-0584 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500)
(26 05 33 23-0538)

26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	20.32	5.33
		<i>For Concrete Or Masonry Surface, Add</i>	0.53	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)	7.11	0.59
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)	7.52	2.96
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506).....	11.96	3.56
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B).....	8.69	3.56
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD).....	11.20	3.56
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)	11.24	3.56
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D).....	11.30	3.56
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ).....	11.30	3.56
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R).....	11.19	3.56
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ).....	11.21	3.56
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S).....	11.13	3.56
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)	11.16	3.56
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1).....	11.24	3.56
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2).....	11.02	3.56
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550).....	28.72	5.92
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	38.21	5.92
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	32.59	11.26
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)	65.99	18.36
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO).....	59.87	14.81
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A).....	48.66	14.81
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	69.19	18.36
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO).....	56.20	18.36
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	57.50	18.36
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	60.24	18.36
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574).....	54.90	18.36
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	72.64	18.36

26 05 33 23-0612 Surface Cable Protection System
(26 05 33 23)

26 05 33 23-0613	EA	35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy-Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-3)	645.28	
		Note: Modular interlocking design with hinged lid.		
26 05 33 23-0614	EA	35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy-Duty Polyurethane, Surface Cable Protector (Yellow Jacket® CP-YJHD-5).....	486.61	
		Note: Modular interlocking design with hinged lid.		

26 05 36 Cable Trays for Electrical Systems
(26 05)
26 05 36 00-0001 Cable Trays
(26 05 36)

Note: Excludes supporting hangers.

26 05 36 00-0002 Ladder Bottom Galvanized Steel Cable Tray
(26 05 36 00-0001)
26 05 36 00-0003 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray
(26 05 36 00-0002)
26 05 36 00-0004 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom
Galvanized Steel Cable Tray
(26 05 36 00-0003)

26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.42	12.45
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.40	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.00	13.36
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.69	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	52.48	14.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.04	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	58.46	15.30
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.58	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	64.24	15.82
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-5.11	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	78.34	18.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-6.32	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	87.88	20.87
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-7.05	

26 05 36 00-0012 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom
Galvanized Steel Cable Tray
(26 05 36 00-0003)

26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.86	12.19
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.17	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.31	12.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.45	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.34	14.13
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.66	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	53.04 -4.07	14.91
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	57.22 -4.44	15.43
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	67.28 -5.25	17.77
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	73.50 -5.73	19.45
26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)				
26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	40.31 -3.03	12.05
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	41.52 -3.11	12.45
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	45.77 -3.48	13.23
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	50.16 -3.86	13.87
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	54.42 -4.25	14.26
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	59.32 -4.64	15.56
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	63.72 -4.97	16.85
26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)				
26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	39.12 -2.95	11.54
26 05 36 00-0030	LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	39.93 -3.01	11.79
26 05 36 00-0031	LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	42.30 -3.20	12.45
26 05 36 00-0032	LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	44.81 -3.39	13.10
26 05 36 00-0033	LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	46.71 -3.58	13.10
26 05 36 00-0034	LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	51.64 -3.99	14.13
26 05 36 00-0035	LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	54.40 -4.21	14.78
26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)				
26 05 36 00-0037	LF	6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	38.59 -2.92	11.28
26 05 36 00-0038	LF	9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	39.26 -2.96	11.54
26 05 36 00-0039	LF	12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	41.62 -3.15	12.19
26 05 36 00-0040	LF	18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	43.71 -3.31	12.71
26 05 36 00-0041	LF	24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	44.44 -3.37	12.84
26 05 36 00-0042	LF	30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	47.21 -3.57	13.75
26 05 36 00-0043	LF	36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	49.24 -3.72	14.52
26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)				
26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)				
26 05 36 00-0046	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	344.52 -23.62	130.05
26 05 36 00-0047	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	384.87 -26.14	148.07
26 05 36 00-0048	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	423.01 -28.66	163.76
26 05 36 00-0049	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	529.33 -36.21	200.70
26 05 36 00-0050	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	603.22 -41.12	230.40
26 05 36 00-0051	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	720.36 -50.43	259.32

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT	COST	UNIT COST
26 05 36 00-0052	EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		830.84 -58.39	296.39
26 05 36 00-0053	24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ^(26 05 36 00-0044)			
26 05 36 00-0054	EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		489.24 -37.65	135.23
26 05 36 00-0055	EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		531.05 -40.15	155.46
26 05 36 00-0056	EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		570.21 -42.61	172.84
26 05 36 00-0057	EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		662.17 -48.33	214.71
26 05 36 00-0058	EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		741.77 -53.43	249.07
26 05 36 00-0059	EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		826.27 -59.07	282.65
26 05 36 00-0060	EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		967.80 -69.50	327.39
26 05 36 00-0061	36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ^(26 05 36 00-0044)			
26 05 36 00-0062	EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		527.80 -41.00	141.32
26 05 36 00-0063	EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		581.07 -44.48	163.63
26 05 36 00-0064	EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		627.89 -47.53	183.08
26 05 36 00-0065	EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		753.39 -56.14	230.40
26 05 36 00-0066	EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		856.69 -63.13	270.46
26 05 36 00-0067	EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		1,005.67 -74.64	311.17
26 05 36 00-0068	EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		1,140.98 -83.63	365.64
26 05 36 00-0069	12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ^(26 05 36 00-0044)			
26 05 36 00-0070	EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		256.48 -48.52 -86.10 -17.80	94.26
26 05 36 00-0071	EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		291.85 -52.99 -94.60 -19.77	113.06
26 05 36 00-0072	EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		323.66 -57.10 -102.38 -21.56	129.66
26 05 36 00-0073	EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		386.71 -64.81 -117.12 -25.02	163.89
26 05 36 00-0074	EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		480.62 -81.67 -147.26 -31.34	200.70
26 05 36 00-0075	EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		570.75 -100.02 -179.50 -37.87	230.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0076	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	645.64 -109.37 -197.32 -42.02	270.46
26 05 36 00-0077			24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0078	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	287.80 -57.72 -101.60 -20.68	97.24
26 05 36 00-0079	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	329.32 -63.74 -112.74 -23.16	117.21
26 05 36 00-0080	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	375.74 -72.11 -127.71 -26.30	135.36
26 05 36 00-0081	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	442.36 -79.71 -142.45 -29.83	172.84
26 05 36 00-0082	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	544.47 -97.39 -174.24 -36.56	214.71
26 05 36 00-0083	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	638.27 -115.17 -205.78 -43.08	249.07
26 05 36 00-0084	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	749.82 -133.79 -239.46 -50.28	296.52
26 05 36 00-0085			36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0086	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	347.78 -76.32 -132.77 -26.42	100.36
26 05 36 00-0087	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	393.86 -83.26 -145.54 -29.23	121.88
26 05 36 00-0088	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	430.56 -87.86 -154.30 -31.27	141.45
26 05 36 00-0089	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	516.27 -100.17 -177.12 -36.37	183.08
26 05 36 00-0090	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	607.28 -112.07 -199.59 -41.53	230.40
26 05 36 00-0091	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	738.99 -140.18 -248.66 -51.36	270.46
26 05 36 00-0092	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting For 60 Degree Bend, Deduct For 30 Degree Bend, Deduct For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	866.33 -160.38 -285.49 -59.35	327.39
26 05 36 00-0093			12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-0094	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	373.74	129.66
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.57	
26 05 36 00-0095	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	408.13	148.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.47	
26 05 36 00-0096	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	439.54	163.76
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.31	
26 05 36 00-0097	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	508.46	200.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.12	
26 05 36 00-0098	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	565.24	230.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.32	
26 05 36 00-0099	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	627.88	259.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.18	
26 05 36 00-0100	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	696.31	296.00
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.96	

**26 05 36 00-0101 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High,
 Ladder Bottom Galvanized Steel Cable Tray Fitting**

(26 05 36 00-0044)

26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.29	135.23
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.56	
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	487.62	155.59
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.80	
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	525.49	172.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.14	
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	607.82	214.71
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.89	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.77	249.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.03	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	748.36	282.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.28	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	857.34	327.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.45	

**26 05 36 00-0109 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High,
 Ladder Bottom Galvanized Steel Cable Tray Fitting**

(26 05 36 00-0044)

26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	536.35	141.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.86	
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	584.49	163.76
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.81	
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	620.50	183.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.79	
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	724.69	230.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.27	
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	795.09	270.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.97	
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	910.00	311.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.07	
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,026.03	365.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.14	

**26 05 36 00-0117 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom
 Galvanized Steel Cable Tray Fitting**

(26 05 36 00-0044)

26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	667.55	249.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.00	
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	722.18	270.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.68	
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	757.56	282.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.20	
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	846.51	311.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0122	EA		24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	960.16	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.23	
26 05 36 00-0123	EA		30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,070.23	366.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.50	
26 05 36 00-0124	EA		36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,211.23	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.57	
26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting					
			(26 05 36 00-0044)		
26 05 36 00-0126	EA		6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	846.55	270.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.11	
26 05 36 00-0127	EA		9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	908.69	296.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.16	
26 05 36 00-0128	EA		12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	948.27	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.90	
26 05 36 00-0129	EA		18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,039.31	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.14	
26 05 36 00-0130	EA		24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,153.30	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.92	
26 05 36 00-0131	EA		30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,241.38	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.58	
26 05 36 00-0132	EA		36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,503.15	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.40	
26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting					
			(26 05 36 00-0044)		
26 05 36 00-0134	EA		6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,085.83	296.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.88	
26 05 36 00-0135	EA		9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,160.01	327.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.72	
26 05 36 00-0136	EA		12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,231.52	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.37	
26 05 36 00-0137	EA		18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,353.05	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.89	
26 05 36 00-0138	EA		24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,535.27	444.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.52	
26 05 36 00-0139	EA		30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,665.21	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.60	
26 05 36 00-0140	EA		36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,873.17	565.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-140.20	
26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting					
			(26 05 36 00-0044)		
26 05 36 00-0142	EA		6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	813.70	230.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.17	
26 05 36 00-0143	EA		9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	832.59	239.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.30	
26 05 36 00-0144	EA		12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	852.22	249.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.47	
26 05 36 00-0145	EA		18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	895.54	270.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.01	
26 05 36 00-0146	EA		24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	923.39	282.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.78	
26 05 36 00-0147	EA		30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,001.03	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.17	
26 05 36 00-0148	EA		36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,076.99	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.91	

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26 05 36 00-0149		24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,191.42	249.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.39	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,219.87	259.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.38	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,249.81	270.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.44	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,315.72	296.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.87	
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,362.84	311.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.35	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,442.57	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.47	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,552.80	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.87	
26 05 36 00-0157		36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,901.82	270.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-167.64	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,940.97	282.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-170.54	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,982.81	296.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-173.58	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,053.22	327.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-178.04	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,102.11	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-181.42	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,231.19	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-190.71	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,341.80	444.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-197.18	
26 05 36 00-0165		12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	831.43	311.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.21	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	873.58	327.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.07	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	933.78	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.59	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,002.39	366.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.72	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,128.31	414.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.27	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,263.92	444.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.39	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,382.55	479.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.34	
26 05 36 00-0173		24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,182.52	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.47	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,236.05	366.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.08	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,292.75	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0177	EA		18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,377.06	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.15	
26 05 36 00-0178	EA		24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,529.53	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.03	
26 05 36 00-0179	EA		30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,644.53	518.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.23	
26 05 36 00-0180	EA		36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,846.79	565.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.57	
26 05 36 00-0181 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)					
26 05 36 00-0182	EA		6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,496.27	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.21	
26 05 36 00-0183	EA		9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,576.80	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.12	
26 05 36 00-0184	EA		12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,663.41	444.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.34	
26 05 36 00-0185	EA		18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,815.96	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-141.68	
26 05 36 00-0186	EA		24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,072.92	565.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-160.18	
26 05 36 00-0187	EA		30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,260.47	621.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-174.27	
26 05 36 00-0188	EA		36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,472.61	692.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-189.59	
26 05 36 00-0189 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)					
26 05 36 00-0190	EA		6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	972.20	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.29	
26 05 36 00-0191	EA		9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,021.32	327.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.84	
26 05 36 00-0192	EA		12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,094.80	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.70	
26 05 36 00-0193	EA		18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,179.00	366.41
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.37	
26 05 36 00-0194	EA		24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,325.05	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.95	
26 05 36 00-0195	EA		30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,500.00	444.21
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.98	
26 05 36 00-0196	EA		36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,644.44	478.43
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.57	
26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)					
26 05 36 00-0198	EA		6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,455.57	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.77	
26 05 36 00-0199	EA		9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,517.59	366.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.24	
26 05 36 00-0200	EA		12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,582.76	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.86	
26 05 36 00-0201	EA		18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,685.72	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.02	
26 05 36 00-0202	EA		24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,858.55	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-145.94	
26 05 36 00-0203	EA		30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,995.59	518.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-156.34	
26 05 36 00-0204	EA		36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,253.82	565.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-178.27	

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26 05 36 00-0205	36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)		
26 05 36 00-0206	EA 6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,877.86	388.97
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-155.37	
26 05 36 00-0207	EA 9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,975.36	414.64
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-162.98	
26 05 36 00-0208	EA 12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,078.92	444.08
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-170.89	
26 05 36 00-0209	EA 18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,273.87	479.08
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-187.47	
26 05 36 00-0210	EA 24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,581.71	565.30
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-211.06	
26 05 36 00-0211	EA 30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,811.66	621.31
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-229.39	
26 05 36 00-0212	EA 36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	3,066.20	692.11
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-248.94	
26 05 36 00-0213	6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)		
26 05 36 00-0214	12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0215	EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	326.26	130.05
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.79	
26 05 36 00-0216	EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	365.15	148.07
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.17	
26 05 36 00-0217	EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	401.56	163.76
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.51	
26 05 36 00-0218	EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	501.50	200.70
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.42	
26 05 36 00-0219	EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	571.91	230.40
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.99	
26 05 36 00-0220	EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	679.19	259.32
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.31	
26 05 36 00-0221	EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	782.72	296.39
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.57	
26 05 36 00-0222	24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0223	EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	451.55	135.23
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.88	
26 05 36 00-0224	EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	492.20	155.46
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.26	
26 05 36 00-0225	EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	529.91	172.84
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.58	
26 05 36 00-0226	EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	618.69	214.71
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.98	
26 05 36 00-0227	EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	695.09	249.07
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.76	
26 05 36 00-0228	EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	775.53	282.65
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.00	
26 05 36 00-0229	EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	907.50	327.39
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.47	
26 05 36 00-0230	36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0231	EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	486.05	141.32
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0232	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	537.01	163.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.07	
26 05 36 00-0233	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	581.79	183.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.92	
26 05 36 00-0234	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	700.63	230.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.86	
26 05 36 00-0235	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.71	270.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.33	
26 05 36 00-0236	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	936.09	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.68	
26 05 36 00-0237	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,065.03	365.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.04	
26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0239	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.27	94.26
			<i>For 60 Degree Bend, Deduct</i>	-43.83	
			<i>For 30 Degree Bend, Deduct</i>	-78.28	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.38	
26 05 36 00-0240	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	277.06	113.06
			<i>For 60 Degree Bend, Deduct</i>	-48.11	
			<i>For 30 Degree Bend, Deduct</i>	-86.46	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.29	
26 05 36 00-0241	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.29	129.66
			<i>For 60 Degree Bend, Deduct</i>	-52.03	
			<i>For 30 Degree Bend, Deduct</i>	-93.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.02	
26 05 36 00-0242	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	370.48	163.89
			<i>For 60 Degree Bend, Deduct</i>	-59.45	
			<i>For 30 Degree Bend, Deduct</i>	-108.19	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.39	
26 05 36 00-0243	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	459.75	200.70
			<i>For 60 Degree Bend, Deduct</i>	-74.78	
			<i>For 30 Degree Bend, Deduct</i>	-135.78	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.25	
26 05 36 00-0244	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	544.08	230.40
			<i>For 60 Degree Bend, Deduct</i>	-91.21	
			<i>For 30 Degree Bend, Deduct</i>	-164.83	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.21	
26 05 36 00-0245	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	617.81	270.46
			<i>For 60 Degree Bend, Deduct</i>	-100.19	
			<i>For 30 Degree Bend, Deduct</i>	-182.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.24	
26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0247	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.83	97.24
			<i>For 60 Degree Bend, Deduct</i>	-51.79	
			<i>For 30 Degree Bend, Deduct</i>	-91.71	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.88	
26 05 36 00-0248	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	310.18	117.21
			<i>For 60 Degree Bend, Deduct</i>	-57.42	
			<i>For 30 Degree Bend, Deduct</i>	-102.22	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.25	
26 05 36 00-0249	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	354.29	135.36
			<i>For 60 Degree Bend, Deduct</i>	-65.03	
			<i>For 30 Degree Bend, Deduct</i>	-115.91	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.15	
26 05 36 00-0250	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	420.33	172.84
			<i>For 60 Degree Bend, Deduct</i>	-72.44	
			<i>For 30 Degree Bend, Deduct</i>	-130.34	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.63	
26 05 36 00-0251	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	517.80	214.71
			<i>For 60 Degree Bend, Deduct</i>	-88.59	
			<i>For 30 Degree Bend, Deduct</i>	-159.57	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.89	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	606.38		249.07
		For 60 Degree Bend, Deduct	-104.65		
		For 30 Degree Bend, Deduct	-188.25		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.89		
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	713.29		296.52
		For 60 Degree Bend, Deduct	-121.74		
		For 30 Degree Bend, Deduct	-219.37		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.62		
26 05 36 00-0254 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.98		100.36
		For 60 Degree Bend, Deduct	-67.80		
		For 30 Degree Bend, Deduct	-118.58		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.84		
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.61		121.88
		For 60 Degree Bend, Deduct	-74.27		
		For 30 Degree Bend, Deduct	-130.55		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.51		
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.73		141.45
		For 60 Degree Bend, Deduct	-78.68		
		For 30 Degree Bend, Deduct	-138.99		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.49		
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.12		183.08
		For 60 Degree Bend, Deduct	-90.22		
		For 30 Degree Bend, Deduct	-160.54		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.35		
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	575.39		230.40
		For 60 Degree Bend, Deduct	-101.55		
		For 30 Degree Bend, Deduct	-182.05		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.34		
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	697.82		270.46
		For 60 Degree Bend, Deduct	-126.59		
		For 30 Degree Bend, Deduct	-226.01		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.24		
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	820.52		327.39
		For 60 Degree Bend, Deduct	-145.26		
		For 30 Degree Bend, Deduct	-260.29		
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.77		
26 05 36 00-0262 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	361.13		129.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.31		
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	395.23		148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.18		
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	426.20		163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.98		
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	494.54		200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.73		
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.75		230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.87		
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	612.22		259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.61		
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	680.07		296.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.34		
26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	430.46		135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.78		
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	469.36		155.59
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.97		
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	506.50		172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.24		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0274	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.81	214.71
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.89	
26 05 36 00-0275	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	656.75	249.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.92	
26 05 36 00-0276	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	726.18	282.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.06	
26 05 36 00-0277	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	832.41	327.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.96	
26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0273)					
26 05 36 00-0279	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	512.29	141.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.45	
26 05 36 00-0280	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	559.56	163.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.31	
26 05 36 00-0281	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	595.27	183.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.27	
26 05 36 00-0282	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	697.44	230.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.54	
26 05 36 00-0283	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	767.55	270.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.21	
26 05 36 00-0284	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	878.69	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.94	
26 05 36 00-0285	EA		36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	992.70	365.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.81	
26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0287	EA		6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	648.13	249.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.06	
26 05 36 00-0288	EA		9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	701.30	270.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.59	
26 05 36 00-0289	EA		12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	735.53	282.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.00	
26 05 36 00-0290	EA		18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	821.29	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.20	
26 05 36 00-0291	EA		24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	930.59	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.27	
26 05 36 00-0292	EA		30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,034.86	366.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.96	
26 05 36 00-0293	EA		36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,171.22	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.57	
26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0295	EA		6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	816.11	270.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.07	
26 05 36 00-0296	EA		9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	876.80	296.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.97	
26 05 36 00-0297	EA		12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	915.22	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.59	
26 05 36 00-0298	EA		18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,003.65	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.58	
26 05 36 00-0299	EA		24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,114.45	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.03	
26 05 36 00-0300	EA		30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,199.05	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.35	
26 05 36 00-0301	EA		36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,448.94	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.98	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
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26 05 36 00-0302	36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0303	EA 6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,040.31	296.52
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-79.33	
26 05 36 00-0304	EA 9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,112.75	327.39
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-83.99	
26 05 36 00-0305	EA 12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,181.07	345.40
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-89.32	
26 05 36 00-0306	EA 18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,298.84	388.97
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-97.47	
26 05 36 00-0307	EA 24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,474.10	444.08
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-110.41	
26 05 36 00-0308	EA 30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,598.53	479.08
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-119.93	
26 05 36 00-0309	EA 36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,801.56	565.30
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-133.04	
26 05 36 00-0310	12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0311	EA 6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	780.65	230.40
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-58.86	
26 05 36 00-0312	EA 9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	799.26	239.47
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-59.97	
26 05 36 00-0313	EA 12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	818.59	249.07
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-61.11	
26 05 36 00-0314	EA 18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	861.33	270.46
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-63.59	
26 05 36 00-0315	EA 24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	888.60	282.65
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-65.30	
26 05 36 00-0316	EA 30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	963.92	311.17
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-70.46	
26 05 36 00-0317	EA 36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,038.44	345.40
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-75.06	
26 05 36 00-0318	24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0319	EA 6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,131.70	249.07
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-92.42	
26 05 36 00-0320	EA 9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,159.28	259.32
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-94.32	
26 05 36 00-0321	EA 12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,188.35	270.46
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-96.29	
26 05 36 00-0322	EA 18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,252.52	296.52
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-100.55	
26 05 36 00-0323	EA 24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,297.90	311.17
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-103.86	
26 05 36 00-0324	EA 30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,375.89	345.40
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-108.80	
26 05 36 00-0325	EA 36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,483.22	388.97
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-115.91	
26 05 36 00-0326	36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)		
26 05 36 00-0327	EA 6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,790.20	270.46
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-156.48	
26 05 36 00-0328	EA 9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,827.91	282.65
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct.....	-159.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0329	EA		12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,868.29	296.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-162.12	
26 05 36 00-0330	EA		18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,937.26	327.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-166.44	
26 05 36 00-0331	EA		24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,984.70	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-169.68	
26 05 36 00-0332	EA		30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,109.42	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-178.53	
26 05 36 00-0333	EA		36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,218.59	444.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-184.86	
26 05 36 00-0334 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0335	EA		6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	807.37	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.81	
26 05 36 00-0336	EA		9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	848.36	327.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.55	
26 05 36 00-0337	EA		12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	906.24	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.84	
26 05 36 00-0338	EA		18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	972.24	366.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.70	
26 05 36 00-0339	EA		24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,094.68	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.91	
26 05 36 00-0340	EA		30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,223.62	444.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.36	
26 05 36 00-0341	EA		36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,337.61	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.84	
26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0343	EA		6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,135.85	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.80	
26 05 36 00-0344	EA		9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,187.93	366.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.27	
26 05 36 00-0345	EA		12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,243.17	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.90	
26 05 36 00-0346	EA		18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,324.29	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.87	
26 05 36 00-0347	EA		24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,473.29	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.41	
26 05 36 00-0348	EA		30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,584.52	518.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.23	
26 05 36 00-0349	EA		36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,777.21	565.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.61	
26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)					
26 05 36 00-0351	EA		6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,431.04	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.69	
26 05 36 00-0352	EA		9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,508.67	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-116.31	
26 05 36 00-0353	EA		12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,592.38	444.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-122.24	
26 05 36 00-0354	EA		18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,737.69	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.85	
26 05 36 00-0355	EA		24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,985.94	565.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-151.48	
26 05 36 00-0356	EA		30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,166.25	621.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-164.85	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
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26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,371.14	692.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-179.44	
26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)				
26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	937.31	311.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.80	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	984.74	327.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.18	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,054.86	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.70	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,135.28	366.41
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.00	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,276.28	414.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.07	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,441.57	444.21
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.14	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,579.29	478.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.06	
26 05 36 00-0366 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)				
26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,387.89	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.00	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,447.80	366.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.26	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,510.88	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.67	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,609.22	414.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-126.37	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,777.00	479.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.78	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,908.58	518.62
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-147.64	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,152.93	565.30
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-168.18	
26 05 36 00-0374 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)				
26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,783.28	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-145.91	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,876.57	414.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-153.10	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,975.93	444.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-160.59	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,160.37	479.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-176.12	
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,455.60	565.30
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-198.45	
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,675.04	621.31
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-215.72	
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,919.07	692.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-234.23	
26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)				
26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	307.99	130.05
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.97	
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	345.44	148.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.20	
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.11	163.76
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.37	
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.67	200.70
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.64	
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	540.60	230.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.86	
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	638.03	259.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.19	
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	734.59	296.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.76	
26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				
26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.86	135.23
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.12	
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	453.35	155.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.38	
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	489.62	172.84
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.56	
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	575.20	214.71
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.63	
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	648.42	249.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.09	
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	724.80	282.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.92	
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	847.20	327.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.44	
26 05 36 00-0399 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				
26 05 36 00-0400	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.30	141.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.65	
26 05 36 00-0401	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	492.94	163.63
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.66	
26 05 36 00-0402	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	535.70	183.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.31	
26 05 36 00-0403	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	647.87	230.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.58	
26 05 36 00-0404	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	740.73	270.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.53	
26 05 36 00-0405	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	866.51	311.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.72	
26 05 36 00-0406	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	989.07	365.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.44	
26 05 36 00-0407 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				
26 05 36 00-0408	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	228.07	94.26
		<i>For 60 Degree Bend, Deduct</i>	-39.14	
		<i>For 30 Degree Bend, Deduct</i>	-70.47	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.96	
26 05 36 00-0409	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.28	113.06
		<i>For 60 Degree Bend, Deduct</i>	-43.23	
		<i>For 30 Degree Bend, Deduct</i>	-78.33	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.81	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0410	EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	292.93 -46.96 -85.48 -18.49		129.66
26 05 36 00-0411	EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	354.24 -54.09 -99.26 -21.77		163.89
26 05 36 00-0412	EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	438.88 -67.89 -124.31 -27.16		200.70
26 05 36 00-0413	EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	517.41 -82.41 -150.16 -32.54		230.40
26 05 36 00-0414	EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	589.98 -91.00 -166.70 -36.46		270.46
26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				
26 05 36 00-0416	EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	251.85 -45.86 -81.82 -17.09		97.24
26 05 36 00-0417	EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	291.05 -51.11 -91.69 -19.34		117.21
26 05 36 00-0418	EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	332.84 -57.96 -104.11 -22.01		135.36
26 05 36 00-0419	EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	398.30 -65.17 -118.22 -25.42		172.84
26 05 36 00-0420	EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	491.13 -79.79 -144.90 -31.22		214.71
26 05 36 00-0421	EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	574.49 -94.12 -170.71 -36.70		249.07
26 05 36 00-0422	EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	676.76 -109.68 -199.28 -42.97		296.52
26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				
26 05 36 00-0424	EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	296.18 -59.29 -104.39 -21.26		100.36
26 05 36 00-0425	EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	339.36 -65.28 -115.56 -23.78		121.88
26 05 36 00-0426	EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	374.90 -69.50 -123.69 -25.70		141.45
26 05 36 00-0427	EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	455.97 -80.27 -143.96 -30.34		183.08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0428	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.50	230.40
			For 60 Degree Bend, Deduct	-91.02	
			For 30 Degree Bend, Deduct	-164.51	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.15	
26 05 36 00-0429	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	656.66	270.46
			For 60 Degree Bend, Deduct	-113.01	
			For 30 Degree Bend, Deduct	-203.38	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.13	
26 05 36 00-0430	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	774.72	327.39
			For 60 Degree Bend, Deduct	-130.15	
			For 30 Degree Bend, Deduct	-235.10	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.19	
26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0432	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	342.21	129.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.42	
26 05 36 00-0433	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.88	148.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.24	
26 05 36 00-0434	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	406.20	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.98	
26 05 36 00-0435	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	473.67	200.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.64	
26 05 36 00-0436	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	529.00	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.70	
26 05 36 00-0437	EA		30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	588.74	259.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.26	
26 05 36 00-0438	EA		36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	655.72	296.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.90	
26 05 36 00-0439 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0440	EA		6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	403.71	135.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.10	
26 05 36 00-0441	EA		9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	441.96	155.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.23	
26 05 36 00-0442	EA		12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.02	172.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.40	
26 05 36 00-0443	EA		18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	557.81	214.71
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.89	
26 05 36 00-0444	EA		24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	625.22	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.77	
26 05 36 00-0445	EA		30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	692.91	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.73	
26 05 36 00-0446	EA		36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	795.01	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.22	
26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0448	EA		6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	476.19	141.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.84	
26 05 36 00-0449	EA		9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	522.16	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.57	
26 05 36 00-0450	EA		12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	557.44	183.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.48	
26 05 36 00-0451	EA		18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	656.56	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.45	
26 05 36 00-0452	EA		24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	726.23	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.08	
26 05 36 00-0453	EA		30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	831.72	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.24	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-0454	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	942.69	365.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.80	
26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				
26 05 36 00-0456	EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	609.28	249.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.18	
26 05 36 00-0457	EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	659.55	270.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.41	
26 05 36 00-0458	EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	691.46	282.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.59	
26 05 36 00-0459	EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	770.84	311.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.15	
26 05 36 00-0460	EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	871.45	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.36	
26 05 36 00-0461	EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	964.12	366.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.89	
26 05 36 00-0462	EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,091.21	414.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.56	
26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				
26 05 36 00-0464	EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	755.22	270.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.98	
26 05 36 00-0465	EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	813.02	296.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.60	
26 05 36 00-0466	EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	849.12	311.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.98	
26 05 36 00-0467	EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	932.33	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.45	
26 05 36 00-0468	EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,036.76	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.26	
26 05 36 00-0469	EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,114.40	414.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.88	
26 05 36 00-0470	EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,340.51	479.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.13	
26 05 36 00-0471 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				
26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	949.28	296.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.22	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,018.24	327.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.54	
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,080.18	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.23	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,190.41	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.63	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,351.76	444.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.17	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,465.17	479.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.60	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,658.35	565.30
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.72	
26 05 36 00-0479 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)				
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	714.55	230.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0481	EA		9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	732.58	239.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.30	
26 05 36 00-0482	EA		12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	751.34	249.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.38	
26 05 36 00-0483	EA		18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	792.91	270.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.75	
26 05 36 00-0484	EA		24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	819.02	282.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.35	
26 05 36 00-0485	EA		30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	889.70	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.04	
26 05 36 00-0486	EA		36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	961.32	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.35	
26 05 36 00-0487 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0488	EA		6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,012.25	249.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.47	
26 05 36 00-0489	EA		9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,038.10	259.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.20	
26 05 36 00-0490	EA		12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,065.43	270.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.00	
26 05 36 00-0491	EA		18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,126.12	296.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.91	
26 05 36 00-0492	EA		24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,168.02	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.87	
26 05 36 00-0493	EA		30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,242.53	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.47	
26 05 36 00-0494	EA		36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,344.06	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.99	
26 05 36 00-0495 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0496	EA		6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,566.97	270.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.16	
26 05 36 00-0497	EA		9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,601.78	282.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.62	
26 05 36 00-0498	EA		12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,639.26	296.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-139.22	
26 05 36 00-0499	EA		18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,705.33	327.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-143.25	
26 05 36 00-0500	EA		24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,749.87	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-146.20	
26 05 36 00-0501	EA		30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,865.90	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-154.18	
26 05 36 00-0502	EA		36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,972.17	444.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-160.21	
26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0504	EA		6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	759.24	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.99	
26 05 36 00-0505	EA		9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	797.91	327.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.51	
26 05 36 00-0506	EA		12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	851.15	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.33	
26 05 36 00-0507	EA		18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	911.94	366.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.67	
26 05 36 00-0508	EA		24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,027.43	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.19	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
26 05 36 00-0509	EA 30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,143.02		444.08	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.30			
26 05 36 00-0510	EA 36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,247.74		479.08	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-84.86			
26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0512	EA 6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,042.49		345.40	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-75.46			
26 05 36 00-0513	EA 9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,091.68		366.28	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.65			
26 05 36 00-0514	EA 12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,144.03		388.97	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.99			
26 05 36 00-0515	EA 18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,218.77		414.64	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-87.32			
26 05 36 00-0516	EA 24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,360.80		479.08	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-96.16			
26 05 36 00-0517	EA 30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,464.49		518.62	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-103.23			
26 05 36 00-0518	EA 36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,638.05		565.30	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-116.69			
26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0520	EA 6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,300.58		388.97	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-97.64			
26 05 36 00-0521	EA 9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,372.42		414.64	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-102.69			
26 05 36 00-0522	EA 12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,450.33		444.08	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-108.03			
26 05 36 00-0523	EA 18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,581.14		479.08	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-118.20			
26 05 36 00-0524	EA 24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,812.00		565.30	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-134.09			
26 05 36 00-0525	EA 30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,977.81		621.31	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-146.00			
26 05 36 00-0526	EA 36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,168.20		692.11	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-159.14			
26 05 36 00-0527 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0528	EA 6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	867.53		311.17	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.82			
26 05 36 00-0529	EA 9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	911.60		327.52	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-63.87			
26 05 36 00-0530	EA 12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	974.99		345.40	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-68.72			
26 05 36 00-0531	EA 18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,047.84		366.41	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.25			
26 05 36 00-0532	EA 24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,178.76		414.64	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.32			
26 05 36 00-0533	EA 30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,324.70		444.21	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-95.45			
26 05 36 00-0534	EA 36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,448.97		478.43	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.03			
26 05 36 00-0535 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0536	EA		6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,252.53	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.47	
26 05 36 00-0537	EA		9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,308.24	366.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.30	
26 05 36 00-0538	EA		12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,367.11	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-104.30	
26 05 36 00-0539	EA		18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,456.20	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.06	
26 05 36 00-0540	EA		24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,613.90	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.47	
26 05 36 00-0541	EA		30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,734.54	518.62
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-130.24	
26 05 36 00-0542	EA		36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,951.16	565.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-148.00	
26 05 36 00-0543 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0382)					
26 05 36 00-0544	EA		6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,594.11	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.00	
26 05 36 00-0545	EA		9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,679.00	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.34	
26 05 36 00-0546	EA		12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,769.95	444.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-139.99	
26 05 36 00-0547	EA		18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,933.38	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-153.42	
26 05 36 00-0548	EA		24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,203.38	565.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-173.22	
26 05 36 00-0549	EA		30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,401.80	621.31
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-188.40	
26 05 36 00-0550	EA		36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,624.81	692.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-204.81	
26 05 36 00-0551 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-0002)					
26 05 36 00-0552 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)					
26 05 36 00-0553	EA		6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	301.60	130.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.33	
26 05 36 00-0554	EA		9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	338.54	148.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.51	
26 05 36 00-0555	EA		12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	372.60	163.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.62	
26 05 36 00-0556	EA		18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	463.93	200.70
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.67	
26 05 36 00-0557	EA		24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	529.64	230.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.76	
26 05 36 00-0558	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	623.62	259.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.75	
26 05 36 00-0559	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	717.75	296.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.08	
26 05 36 00-0560 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)					
26 05 36 00-0561	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	400.67	135.23
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.80	
26 05 36 00-0562	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	439.75	155.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.02	
26 05 36 00-0563	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	475.51	172.84
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.14	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	559.98	214.71
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.11	
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	632.08	249.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.46	
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	707.04	282.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.15	
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	826.09	327.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.32	

26 05 36 00-0568 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0551)

26 05 36 00-0569	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	429.69	141.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.19	
26 05 36 00-0570	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	477.52	163.63
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.12	
26 05 36 00-0571	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	519.56	183.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.70	
26 05 36 00-0572	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	629.40	230.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.74	
26 05 36 00-0573	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	720.44	270.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.50	
26 05 36 00-0574	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	842.16	311.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.29	
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	962.49	365.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.78	

26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0551)

26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	223.10	94.26
		<i>For 60 Degree Bend, Deduct</i>	-37.50	
		<i>For 30 Degree Bend, Deduct</i>	-67.74	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.46	
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	257.10	113.06
		<i>For 60 Degree Bend, Deduct</i>	-41.52	
		<i>For 30 Degree Bend, Deduct</i>	-75.48	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.29	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.55	129.66
		<i>For 60 Degree Bend, Deduct</i>	-45.19	
		<i>For 30 Degree Bend, Deduct</i>	-82.52	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.95	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.56	163.89
		<i>For 60 Degree Bend, Deduct</i>	-52.22	
		<i>For 30 Degree Bend, Deduct</i>	-96.13	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.20	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	431.57	200.70
		<i>For 60 Degree Bend, Deduct</i>	-65.48	
		<i>For 30 Degree Bend, Deduct</i>	-120.29	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.43	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	508.07	230.40
		<i>For 60 Degree Bend, Deduct</i>	-79.33	
		<i>For 30 Degree Bend, Deduct</i>	-145.02	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.60	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	580.24	270.46
		<i>For 60 Degree Bend, Deduct</i>	-87.79	
		<i>For 30 Degree Bend, Deduct</i>	-161.35	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.48	

26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0551)

26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	245.56	97.24
		<i>For 60 Degree Bend, Deduct</i>	-43.78	
		<i>For 30 Degree Bend, Deduct</i>	-78.37	
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0586	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	284.35	117.21
			For 60 Degree Bend, Deduct	-48.90	
			For 30 Degree Bend, Deduct	-88.01	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.67	
26 05 36 00-0587	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	325.33	135.36
			For 60 Degree Bend, Deduct	-55.48	
			For 30 Degree Bend, Deduct	-99.98	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.25	
26 05 36 00-0588	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	390.58	172.84
			For 60 Degree Bend, Deduct	-62.62	
			For 30 Degree Bend, Deduct	-113.97	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.65	
26 05 36 00-0589	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	481.79	214.71
			For 60 Degree Bend, Deduct	-76.70	
			For 30 Degree Bend, Deduct	-139.77	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.29	
26 05 36 00-0590	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	563.33	249.07
			For 60 Degree Bend, Deduct	-90.44	
			For 30 Degree Bend, Deduct	-164.57	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.58	
26 05 36 00-0591	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	663.98	296.52
			For 60 Degree Bend, Deduct	-105.47	
			For 30 Degree Bend, Deduct	-192.25	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.69	
26 05 36 00-0592			36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0593	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.15	100.36
			For 60 Degree Bend, Deduct	-56.31	
			For 30 Degree Bend, Deduct	-99.42	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.36	
26 05 36 00-0594	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.82	121.88
			For 60 Degree Bend, Deduct	-62.13	
			For 30 Degree Bend, Deduct	-110.32	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.83	
26 05 36 00-0595	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.16	141.45
			For 60 Degree Bend, Deduct	-66.28	
			For 30 Degree Bend, Deduct	-118.33	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.73	
26 05 36 00-0596	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	445.42	183.08
			For 60 Degree Bend, Deduct	-76.79	
			For 30 Degree Bend, Deduct	-138.15	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.28	
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	532.34	230.40
			For 60 Degree Bend, Deduct	-87.34	
			For 30 Degree Bend, Deduct	-158.37	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.03	
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	642.25	270.46
			For 60 Degree Bend, Deduct	-108.25	
			For 30 Degree Bend, Deduct	-195.45	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.68	
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	758.69	327.39
			For 60 Degree Bend, Deduct	-124.86	
			For 30 Degree Bend, Deduct	-226.29	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.58	
26 05 36 00-0600			12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)		
26 05 36 00-0601	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	333.38	129.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.53	
26 05 36 00-0602	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.85	148.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.34	
26 05 36 00-0603	EA		12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	396.86	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.04	
26 05 36 00-0604	EA		18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.93	200.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.67	
26 05 36 00-0605	EA		24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.86	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.68	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
26 05 36 00-0606	EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		577.78 -36.17		259.32
26 05 36 00-0607	EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		644.35 -39.77		296.00
26 05 36 00-0608	24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0609	EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		391.23 -27.85		135.23
26 05 36 00-0610	EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		429.18 -29.95		155.59
26 05 36 00-0611	EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		464.73 -32.07		172.84
26 05 36 00-0612	EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		543.80 -36.49		214.71
26 05 36 00-0613	EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		610.51 -40.30		249.07
26 05 36 00-0614	EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		677.39 -44.18		282.65
26 05 36 00-0615	EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		777.56 -50.47		327.39
26 05 36 00-0616	36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0617	EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		459.35 -34.16		141.32
26 05 36 00-0618	EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		504.71 -36.83		163.76
26 05 36 00-0619	EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		539.79 -38.72		183.08
26 05 36 00-0620	EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		637.49 -44.55		230.40
26 05 36 00-0621	EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		706.96 -48.16		270.46
26 05 36 00-0622	EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		809.81 -55.05		311.17
26 05 36 00-0623	EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		919.35 -61.47		365.64
26 05 36 00-0624	12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0625	EA 6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		589.86 -38.23		249.07
26 05 36 00-0626	EA 9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		638.68 -41.33		270.46
26 05 36 00-0627	EA 12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		669.43 -43.39		282.65
26 05 36 00-0628	EA 18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		745.62 -48.63		311.17
26 05 36 00-0629	EA 24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		841.88 -55.40		345.40
26 05 36 00-0630	EA 30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		928.75 -62.35		366.28
26 05 36 00-0631	EA 36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>		1,051.20 -70.56		414.64
26 05 36 00-0632	24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0633	EA		6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	724.78	270.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.94	
26 05 36 00-0634	EA		9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	781.13	296.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.41	
26 05 36 00-0635	EA		12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	816.07	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.68	
26 05 36 00-0636	EA		18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	896.67	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.88	
26 05 36 00-0637	EA		24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	997.91	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.38	
26 05 36 00-0638	EA		30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,072.07	414.64
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.65	
26 05 36 00-0639	EA		36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,286.30	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.71	
26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)					
26 05 36 00-0641	EA		6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	903.76	296.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.67	
26 05 36 00-0642	EA		9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	970.99	327.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.81	
26 05 36 00-0643	EA		12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,029.74	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.19	
26 05 36 00-0644	EA		18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,136.20	388.97
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.21	
26 05 36 00-0645	EA		24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,290.59	444.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.06	
26 05 36 00-0646	EA		30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,398.49	479.08
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-99.93	
26 05 36 00-0647	EA		36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,586.74	565.30
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.56	
26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)					
26 05 36 00-0649	EA		6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	681.50	230.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.95	
26 05 36 00-0650	EA		9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	699.24	239.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.97	
26 05 36 00-0651	EA		12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	717.71	249.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.02	
26 05 36 00-0652	EA		18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	758.70	270.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.33	
26 05 36 00-0653	EA		24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	784.23	282.65
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.87	
26 05 36 00-0654	EA		30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	852.60	311.17
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.33	
26 05 36 00-0655	EA		36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	922.76	345.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.49	
26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)					
26 05 36 00-0657	EA		6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	952.53	249.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.50	
26 05 36 00-0658	EA		9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	977.51	259.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.14	
26 05 36 00-0659	EA		12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,003.97	270.46
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.86	
26 05 36 00-0660	EA		18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,062.92	296.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.59	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,103.08	311.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.38	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,175.85	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.80	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,274.48	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.03	

26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0551)

26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,455.36	270.46
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.00	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,488.71	282.65
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.31	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,524.75	296.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-127.77	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,589.36	327.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-131.65	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,632.46	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-134.46	
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,744.14	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-142.00	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,848.95	444.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-147.89	

26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0551)

26 05 36 00-0673	EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	735.18	311.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.59	
26 05 36 00-0674	EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	772.69	327.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.98	
26 05 36 00-0675	EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	823.61	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.57	
26 05 36 00-0676	EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	881.79	366.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.66	
26 05 36 00-0677	EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	993.80	414.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.82	
26 05 36 00-0678	EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,102.73	444.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.27	
26 05 36 00-0679	EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,202.80	479.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.36	

26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting

(26 05 36 00-0551)

26 05 36 00-0681	EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	995.82	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.80	
26 05 36 00-0682	EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,043.55	366.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.83	
26 05 36 00-0683	EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,094.45	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.03	
26 05 36 00-0684	EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,166.00	414.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.04	
26 05 36 00-0685	EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,304.56	479.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.54	
26 05 36 00-0686	EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,404.48	518.62
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.23	
26 05 36 00-0687	EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,568.47	565.30
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.73	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-0688 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder				
Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,235.35	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.12	
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,304.29	414.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-95.87	
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,379.30	444.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.93	
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,502.86	479.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.37	
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,725.03	565.30
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.39	
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,883.59	621.31
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-136.58	
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,066.73	692.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.00	
26 05 36 00-0696 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder				
Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	832.64	311.17
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.33	
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	875.03	327.52
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.21	
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	935.06	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.72	
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,004.13	366.41
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.88	
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,129.99	414.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.44	
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,266.27	444.21
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.61	
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,383.81	478.43
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.51	
26 05 36 00-0704 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder				
Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,184.85	345.40
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.70	
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,238.46	366.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-93.32	
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,295.23	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.11	
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,379.69	414.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.41	
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,532.34	479.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.32	
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,647.53	518.62
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.53	
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,850.27	565.30
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.91	
26 05 36 00-0712 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder				
Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)				
26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,499.53	388.97
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.54	
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,580.21	414.64
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-123.46	
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,666.96	444.08
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-129.69	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-0716	EA 18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,819.88		479.08	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-142.07			
26 05 36 00-0717	EA 24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,077.27		565.30	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-160.61			
26 05 36 00-0718	EA 30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,265.18		621.31	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-174.74			
26 05 36 00-0719	EA 36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	2,477.68		692.11	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-190.09			
26 05 36 00-0720	Dropout Or End Plates And Reducers (26 05 36 00-0002)				
26 05 36 00-0721	Straight Reducers (26 05 36 00-0720)				
26 05 36 00-0722	EA 9" To 6" Reducer, Steel Cable Tray.....	292.88		95.69	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.37			
26 05 36 00-0723	EA 12" To 9" Reducer, Steel Cable Tray.....	308.95		103.59	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.26			
26 05 36 00-0724	EA 18" To 12" Reducer, Steel Cable Tray.....	335.61		119.55	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.59			
26 05 36 00-0725	EA 24" To 18" Reducer, Steel Cable Tray.....	369.71		138.35	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.44			
26 05 36 00-0726	EA 30" To 24" Reducer, Steel Cable Tray.....	401.38		155.59	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.17			
26 05 36 00-0727	EA 36" To 30" Reducer, Steel Cable Tray.....	455.74		177.76	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.76			
26 05 36 00-0728	Reducers (26 05 36 00-0720)				
26 05 36 00-0729	EA 18" To 6" Reducer, Steel Cable Tray.....	341.53		119.68	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.18			
26 05 36 00-0730	EA 24" To 12" Reducer, Steel Cable Tray.....	375.82		138.48	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.04			
26 05 36 00-0731	EA 30" To 12" Reducer, Steel Cable Tray.....	412.76		155.46	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.32			
26 05 36 00-0732	EA 30" To 18" Reducer, Steel Cable Tray.....	418.35		155.33	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.89			
26 05 36 00-0733	EA 36" To 12" Reducer, Steel Cable Tray.....	458.64		177.76	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.05			
26 05 36 00-0734	EA 36" To 18" Reducer, Steel Cable Tray.....	472.22		182.43	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.02			
26 05 36 00-0735	EA 36" To 24" Reducer, Steel Cable Tray.....	487.74		188.26	
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.08			
26 05 36 00-0736	Dropout Or End Plate (26 05 36 00-0720)				
26 05 36 00-0737	EA 6" Dropout Or End Plate, Steel Cable Tray.....	79.75		38.90	
26 05 36 00-0738	EA 9" Dropout Or End Plate, Steel Cable Tray.....	91.58		44.47	
26 05 36 00-0739	EA 12" Dropout Or End Plate, Steel Cable Tray.....	98.86		47.84	
26 05 36 00-0740	EA 18" Dropout Or End Plate, Steel Cable Tray.....	116.72		56.53	
26 05 36 00-0741	EA 24" Dropout Or End Plate, Steel Cable Tray.....	130.97		62.24	
26 05 36 00-0742	EA 30" Dropout Or End Plate, Steel Cable Tray.....	145.13		69.10	
26 05 36 00-0743	EA 36" Dropout Or End Plate, Steel Cable Tray.....	163.87		77.79	
26 05 36 00-0744	Ladder Bottom Aluminum Cable Tray (26 05 36 00-0001) Note: 4-5/8" Height				
26 05 36 00-0745	Straight Tray Sections (26 05 36 00-0744)				
26 05 36 00-0746	4" Rung Spacing (26 05 36 00-0745)				
26 05 36 00-0747	LF 6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	120.26		9.08	
	For Class 12C Instead Of Class 12B, Add	16.52			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.27			
	For 6" Overall Height Instead Of 4-5/8", Add	6.01			
26 05 36 00-0748	LF 9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	127.17		9.59	
	For Class 12C Instead Of Class 12B, Add	17.48			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.92			
	For 6" Overall Height Instead Of 4-5/8", Add	6.36			
26 05 36 00-0749	LF 12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	134.07		9.98	
	For Class 12C Instead Of Class 12B, Add	18.44			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.57			
	For 6" Overall Height Instead Of 4-5/8", Add	6.70			
26 05 36 00-0750	LF 18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	148.96		10.89	
	For Class 12C Instead Of Class 12B, Add	20.52			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.98			
	For 6" Overall Height Instead Of 4-5/8", Add	7.45			
26 05 36 00-0751	LF 24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	172.10		11.66	
	For Class 12C Instead Of Class 12B, Add	23.88			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.24			
	For 6" Overall Height Instead Of 4-5/8", Add	8.61			
26 05 36 00-0752	LF 30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section.....	188.80		12.45	
	For Class 12C Instead Of Class 12B, Add	26.25			
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.85			
	For 6" Overall Height Instead Of 4-5/8", Add	9.44			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0753	LF		36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	203.54	13.23
			For Class 12C Instead Of Class 12B, Add	28.32	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.25	
			For 6" Overall Height Instead Of 4-5/8", Add	10.18	
26 05 36 00-0754 6" Rung Spacing (26 05 36 00-0745)					
26 05 36 00-0755	LF		6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	110.71	9.08
			For Class 12C Instead Of Class 12B, Add	15.09	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.31	
			For 6" Overall Height Instead Of 4-5/8", Add	5.54	
26 05 36 00-0756	LF		9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	117.06	9.59
			For Class 12C Instead Of Class 12B, Add	15.97	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.91	
			For 6" Overall Height Instead Of 4-5/8", Add	5.85	
26 05 36 00-0757	LF		12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	123.40	9.98
			For Class 12C Instead Of Class 12B, Add	16.84	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.51	
			For 6" Overall Height Instead Of 4-5/8", Add	6.17	
26 05 36 00-0758	LF		18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	137.08	10.89
			For Class 12C Instead Of Class 12B, Add	18.74	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.80	
			For 6" Overall Height Instead Of 4-5/8", Add	6.85	
26 05 36 00-0759	LF		24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	158.21	11.66
			For Class 12C Instead Of Class 12B, Add	21.80	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.85	
			For 6" Overall Height Instead Of 4-5/8", Add	7.91	
26 05 36 00-0760	LF		30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	173.51	12.45
			For Class 12C Instead Of Class 12B, Add	23.96	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.32	
			For 6" Overall Height Instead Of 4-5/8", Add	8.68	
26 05 36 00-0761	LF		36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	187.05	13.23
			For Class 12C Instead Of Class 12B, Add	25.85	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.60	
			For 6" Overall Height Instead Of 4-5/8", Add	9.35	
26 05 36 00-0762 9" Rung Spacing (26 05 36 00-0745)					
26 05 36 00-0763	LF		6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	98.42	8.69
			For Class 12C Instead Of Class 12B, Add	13.31	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.12	
			For 6" Overall Height Instead Of 4-5/8", Add	4.92	
26 05 36 00-0764	LF		9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	99.52	9.08
			For Class 12C Instead Of Class 12B, Add	13.41	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.19	
			For 6" Overall Height Instead Of 4-5/8", Add	4.98	
26 05 36 00-0765	LF		12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	106.78	9.59
			For Class 12C Instead Of Class 12B, Add	14.43	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.88	
			For 6" Overall Height Instead Of 4-5/8", Add	5.34	
26 05 36 00-0766	LF		18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	114.00	10.24
			For Class 12C Instead Of Class 12B, Add	15.39	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.55	
			For 6" Overall Height Instead Of 4-5/8", Add	5.70	
26 05 36 00-0767	LF		24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	129.52	10.63
			For Class 12C Instead Of Class 12B, Add	17.66	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.07	
			For 6" Overall Height Instead Of 4-5/8", Add	6.48	
26 05 36 00-0768	LF		30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	143.54	11.41
			For Class 12C Instead Of Class 12B, Add	19.62	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.40	
			For 6" Overall Height Instead Of 4-5/8", Add	7.18	
26 05 36 00-0769	LF		36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	152.19	12.45
			For Class 12C Instead Of Class 12B, Add	20.75	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.18	
			For 6" Overall Height Instead Of 4-5/8", Add	7.61	
26 05 36 00-0770 12" Rung Spacing (26 05 36 00-0745)					
26 05 36 00-0771	LF		6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	96.51	8.43
			For Class 12C Instead Of Class 12B, Add	13.07	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.95	
			For 6" Overall Height Instead Of 4-5/8", Add	4.83	
26 05 36 00-0772	LF		9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	97.49	8.69
			For Class 12C Instead Of Class 12B, Add	13.17	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.02	
			For 6" Overall Height Instead Of 4-5/8", Add	4.87	
26 05 36 00-0773	LF		12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	101.14	9.21
			For Class 12C Instead Of Class 12B, Add	13.63	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.34	
			For 6" Overall Height Instead Of 4-5/8", Add	5.06	
26 05 36 00-0774	LF		18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	107.16	9.72
			For Class 12C Instead Of Class 12B, Add	14.45	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.90	
			For 6" Overall Height Instead Of 4-5/8", Add	5.36	
26 05 36 00-0775	LF		24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	117.64	9.85
			For Class 12C Instead Of Class 12B, Add	15.99	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.94	
			For 6" Overall Height Instead Of 4-5/8", Add	5.88	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	126.20	10.89
		For Class 12C Instead Of Class 12B, Add	17.12	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.72	
		For 6" Overall Height Instead Of 4-5/8", Add	6.31	
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	133.32	11.79
		For Class 12C Instead Of Class 12B, Add	18.04	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.35	
		For 6" Overall Height Instead Of 4-5/8", Add	6.67	
26 05 36 00-0778 18" Rung Spacing (26 05 36 00-0745)				
26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	95.66	8.17
		For Class 12C Instead Of Class 12B, Add	12.98	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.88	
		For 6" Overall Height Instead Of 4-5/8", Add	4.78	
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	95.24	8.56
		For Class 12C Instead Of Class 12B, Add	12.87	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.82	
		For 6" Overall Height Instead Of 4-5/8", Add	4.76	
26 05 36 00-0781	LF	12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	100.49	8.82
		For Class 12C Instead Of Class 12B, Add	13.60	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.31	
		For 6" Overall Height Instead Of 4-5/8", Add	5.02	
26 05 36 00-0782	LF	18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	105.91	9.34
		For Class 12C Instead Of Class 12B, Add	14.34	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.82	
		For 6" Overall Height Instead Of 4-5/8", Add	5.30	
26 05 36 00-0783	LF	24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	113.15	9.47
		For Class 12C Instead Of Class 12B, Add	15.40	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.53	
		For 6" Overall Height Instead Of 4-5/8", Add	5.66	
26 05 36 00-0784	LF	30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	117.84	10.37
		For Class 12C Instead Of Class 12B, Add	15.96	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.92	
		For 6" Overall Height Instead Of 4-5/8", Add	5.89	
26 05 36 00-0785	LF	36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	124.15	11.28
		For Class 12C Instead Of Class 12B, Add	16.74	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-11.47	
		For 6" Overall Height Instead Of 4-5/8", Add	6.21	
26 05 36 00-0786 4" Rung Tray Fittings (26 05 36 00-0744)				
26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0786)				
26 05 36 00-0788	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	369.97	130.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.16	
		For 6" Overall Height Instead Of 4-5/8", Add	18.50	
26 05 36 00-0789	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	404.05	148.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.06	
		For 6" Overall Height Instead Of 4-5/8", Add	20.20	
26 05 36 00-0790	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	459.13	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.27	
		For 6" Overall Height Instead Of 4-5/8", Add	22.96	
26 05 36 00-0791	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	544.08	200.70
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.68	
		For 6" Overall Height Instead Of 4-5/8", Add	27.20	
26 05 36 00-0792	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	644.07	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.20	
		For 6" Overall Height Instead Of 4-5/8", Add	32.20	
26 05 36 00-0793	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	707.74	259.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.16	
		For 6" Overall Height Instead Of 4-5/8", Add	35.39	
26 05 36 00-0794	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	827.73	296.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.07	
		For 6" Overall Height Instead Of 4-5/8", Add	41.39	
26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0786)				
26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	497.09	135.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.44	
		For 6" Overall Height Instead Of 4-5/8", Add	24.85	
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	542.42	155.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.29	
		For 6" Overall Height Instead Of 4-5/8", Add	27.12	
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	585.02	172.84
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.10	
		For 6" Overall Height Instead Of 4-5/8", Add	29.25	
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	679.89	214.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.10	
		For 6" Overall Height Instead Of 4-5/8", Add	33.99	
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	768.21	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.07	
		For 6" Overall Height Instead Of 4-5/8", Add	38.41	
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	857.28	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.17	
		For 6" Overall Height Instead Of 4-5/8", Add	42.86	
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	980.36	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.75	
		For 6" Overall Height Instead Of 4-5/8", Add	49.02	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0786)		
26 05 36 00-0804 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	534.40	141.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.66	
For 6" Overall Height Instead Of 4-5/8", Add	26.72	
26 05 36 00-0805 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	579.20	163.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.29	
For 6" Overall Height Instead Of 4-5/8", Add	28.96	
26 05 36 00-0806 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	646.74	183.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.41	
For 6" Overall Height Instead Of 4-5/8", Add	32.34	
26 05 36 00-0807 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	768.26	230.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.62	
For 6" Overall Height Instead Of 4-5/8", Add	38.41	
26 05 36 00-0808 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	885.49	270.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.01	
For 6" Overall Height Instead Of 4-5/8", Add	44.27	
26 05 36 00-0809 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	995.98	311.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.67	
For 6" Overall Height Instead Of 4-5/8", Add	49.80	
26 05 36 00-0810 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,156.50	365.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.19	
For 6" Overall Height Instead Of 4-5/8", Add	57.83	
26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0786)		
26 05 36 00-0812 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	257.94	94.26
For 60 Degree Bend, Deduct	-49.00	
For 30 Degree Bend, Deduct	-86.90	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.94	
For 6" Overall Height Instead Of 4-5/8", Add	12.90	
26 05 36 00-0813 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	293.14	113.06
For 60 Degree Bend, Deduct	-53.42	
For 30 Degree Bend, Deduct	-95.30	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.90	
For 6" Overall Height Instead Of 4-5/8", Add	14.66	
26 05 36 00-0814 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	324.77	129.66
For 60 Degree Bend, Deduct	-57.47	
For 30 Degree Bend, Deduct	-102.99	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.67	
For 6" Overall Height Instead Of 4-5/8", Add	16.24	
26 05 36 00-0815 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	401.14	163.89
For 60 Degree Bend, Deduct	-69.57	
For 30 Degree Bend, Deduct	-125.05	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.46	
For 6" Overall Height Instead Of 4-5/8", Add	20.06	
26 05 36 00-0816 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	493.63	200.70
For 60 Degree Bend, Deduct	-85.96	
For 30 Degree Bend, Deduct	-154.42	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.64	
For 6" Overall Height Instead Of 4-5/8", Add	24.68	
26 05 36 00-0817 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	566.45	230.40
For 60 Degree Bend, Deduct	-98.60	
For 30 Degree Bend, Deduct	-177.13	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.44	
For 6" Overall Height Instead Of 4-5/8", Add	28.32	
26 05 36 00-0818 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	640.99	270.46
For 60 Degree Bend, Deduct	-107.84	
For 30 Degree Bend, Deduct	-194.76	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.56	
For 6" Overall Height Instead Of 4-5/8", Add	32.05	
26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0786)		
26 05 36 00-0820 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	297.81	97.24
For 60 Degree Bend, Deduct	-61.02	
For 30 Degree Bend, Deduct	-107.10	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.68	
For 6" Overall Height Instead Of 4-5/8", Add	14.89	
26 05 36 00-0821 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	346.74	117.21
For 60 Degree Bend, Deduct	-69.49	
For 30 Degree Bend, Deduct	-122.32	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.91	
For 6" Overall Height Instead Of 4-5/8", Add	17.34	
26 05 36 00-0822 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	380.81	135.36
For 60 Degree Bend, Deduct	-73.79	
For 30 Degree Bend, Deduct	-130.50	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.80	
For 6" Overall Height Instead Of 4-5/8", Add	19.04	
26 05 36 00-0823 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	455.01	172.84
For 60 Degree Bend, Deduct	-83.88	
For 30 Degree Bend, Deduct	-149.41	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.09	
For 6" Overall Height Instead Of 4-5/8", Add	22.75	
26 05 36 00-0824 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	551.82	214.71
For 60 Degree Bend, Deduct	-99.81	
For 30 Degree Bend, Deduct	-178.28	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.29	
For 6" Overall Height Instead Of 4-5/8", Add	27.59	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0825	EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	647.90		249.07
	For 60 Degree Bend, Deduct	-118.35		
	For 30 Degree Bend, Deduct	-211.08		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.04		
	For 6" Overall Height Instead Of 4-5/8", Add	32.40		
26 05 36 00-0826	EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	738.62		296.52
	For 60 Degree Bend, Deduct	-130.10		
	For 30 Degree Bend, Deduct	-233.30		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.16		
	For 6" Overall Height Instead Of 4-5/8", Add	36.93		
26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0786)				
26 05 36 00-0828	EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	349.57		100.36
	For 60 Degree Bend, Deduct	-76.91		
	For 30 Degree Bend, Deduct	-133.75		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.60		
	For 6" Overall Height Instead Of 4-5/8", Add	17.48		
26 05 36 00-0829	EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	389.39		121.88
	For 60 Degree Bend, Deduct	-81.79		
	For 30 Degree Bend, Deduct	-143.08		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.78		
	For 6" Overall Height Instead Of 4-5/8", Add	19.47		
26 05 36 00-0830	EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	425.91		141.45
	For 60 Degree Bend, Deduct	-86.33		
	For 30 Degree Bend, Deduct	-151.74		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.80		
	For 6" Overall Height Instead Of 4-5/8", Add	21.30		
26 05 36 00-0831	EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	514.79		183.08
	For 60 Degree Bend, Deduct	-99.68		
	For 30 Degree Bend, Deduct	-176.31		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.22		
	For 6" Overall Height Instead Of 4-5/8", Add	25.74		
26 05 36 00-0832	EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	640.19		230.40
	For 60 Degree Bend, Deduct	-122.93		
	For 30 Degree Bend, Deduct	-217.69		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.82		
	For 6" Overall Height Instead Of 4-5/8", Add	32.01		
26 05 36 00-0833	EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	722.49		270.46
	For 60 Degree Bend, Deduct	-134.73		
	For 30 Degree Bend, Deduct	-239.58		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.71		
	For 6" Overall Height Instead Of 4-5/8", Add	36.12		
26 05 36 00-0834	EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	844.52		327.39
	For 60 Degree Bend, Deduct	-153.18		
	For 30 Degree Bend, Deduct	-273.49		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.17		
	For 6" Overall Height Instead Of 4-5/8", Add	42.23		
26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers (26 05 36 00-0786)				
26 05 36 00-0836	EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	406.68		129.66
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.86		
	For 6" Overall Height Instead Of 4-5/8", Add	20.33		
26 05 36 00-0837	EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	447.85		148.07
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.44		
	For 6" Overall Height Instead Of 4-5/8", Add	22.39		
26 05 36 00-0838	EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	477.28		163.76
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.09		
	For 6" Overall Height Instead Of 4-5/8", Add	23.86		
26 05 36 00-0839	EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	545.88		200.70
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.86		
	For 6" Overall Height Instead Of 4-5/8", Add	27.29		
26 05 36 00-0840	EA 24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	605.82		230.40
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.38		
	For 6" Overall Height Instead Of 4-5/8", Add	30.29		
26 05 36 00-0841	EA 30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	664.35		259.32
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.83		
	For 6" Overall Height Instead Of 4-5/8", Add	33.22		
26 05 36 00-0842	EA 36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	732.46		296.00
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.58		
	For 6" Overall Height Instead Of 4-5/8", Add	36.62		
26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers (26 05 36 00-0786)				
26 05 36 00-0844	EA 6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	431.60		135.23
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.89		
	For 6" Overall Height Instead Of 4-5/8", Add	21.58		
26 05 36 00-0845	EA 9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	474.16		155.59
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.45		
	For 6" Overall Height Instead Of 4-5/8", Add	23.71		
26 05 36 00-0846	EA 12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	508.17		172.84
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.41		
	For 6" Overall Height Instead Of 4-5/8", Add	25.41		
26 05 36 00-0847	EA 18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	589.93		214.71
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.10		
	For 6" Overall Height Instead Of 4-5/8", Add	29.50		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0848	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	661.06	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.35	
		For 6" Overall Height Instead Of 4-5/8", Add	33.05	
26 05 36 00-0849	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	731.01	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.54	
		For 6" Overall Height Instead Of 4-5/8", Add	36.55	
26 05 36 00-0850	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	822.90	327.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.01	
		For 6" Overall Height Instead Of 4-5/8", Add	41.15	
26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers (26 05 36 00-0786)				
26 05 36 00-0852	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	554.36	141.32
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.66	
		For 6" Overall Height Instead Of 4-5/8", Add	27.72	
26 05 36 00-0853	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	598.56	163.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.21	
		For 6" Overall Height Instead Of 4-5/8", Add	29.93	
26 05 36 00-0854	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	651.73	183.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.91	
		For 6" Overall Height Instead Of 4-5/8", Add	32.59	
26 05 36 00-0855	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	744.42	230.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.24	
		For 6" Overall Height Instead Of 4-5/8", Add	37.22	
26 05 36 00-0856	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	825.05	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.96	
		For 6" Overall Height Instead Of 4-5/8", Add	41.25	
26 05 36 00-0857	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	920.58	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.13	
		For 6" Overall Height Instead Of 4-5/8", Add	46.03	
26 05 36 00-0858	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,028.57	365.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.39	
		For 6" Overall Height Instead Of 4-5/8", Add	51.43	
26 05 36 00-0859 12" Radius Horizontal Tees (26 05 36 00-0786)				
26 05 36 00-0860	EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	634.87	249.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.74	
		For 6" Overall Height Instead Of 4-5/8", Add	31.74	
26 05 36 00-0861	EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	685.06	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.97	
		For 6" Overall Height Instead Of 4-5/8", Add	34.25	
26 05 36 00-0862	EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	708.98	282.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.34	
		For 6" Overall Height Instead Of 4-5/8", Add	35.45	
26 05 36 00-0863	EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	803.32	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.40	
		For 6" Overall Height Instead Of 4-5/8", Add	40.17	
26 05 36 00-0864	EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	889.27	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.14	
		For 6" Overall Height Instead Of 4-5/8", Add	44.46	
26 05 36 00-0865	EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	974.41	366.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.92	
		For 6" Overall Height Instead Of 4-5/8", Add	48.72	
26 05 36 00-0866	EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,127.18	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.16	
		For 6" Overall Height Instead Of 4-5/8", Add	56.36	
26 05 36 00-0867 24" Radius Horizontal Tees (26 05 36 00-0786)				
26 05 36 00-0868	EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	825.61	270.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.02	
		For 6" Overall Height Instead Of 4-5/8", Add	41.28	
26 05 36 00-0869	EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	890.53	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.35	
		For 6" Overall Height Instead Of 4-5/8", Add	44.53	
26 05 36 00-0870	EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	925.84	311.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.65	
		For 6" Overall Height Instead Of 4-5/8", Add	46.29	
26 05 36 00-0871	EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,019.00	345.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-73.11	
		For 6" Overall Height Instead Of 4-5/8", Add	50.95	
26 05 36 00-0872	EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,131.18	388.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.70	
		For 6" Overall Height Instead Of 4-5/8", Add	56.56	
26 05 36 00-0873	EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,220.88	414.64
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-87.53	
		For 6" Overall Height Instead Of 4-5/8", Add	61.04	
26 05 36 00-0874	EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,609.22	479.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-121.00	
		For 6" Overall Height Instead Of 4-5/8", Add	80.46	
26 05 36 00-0875 36" Radius Horizontal Tees (26 05 36 00-0786)				
26 05 36 00-0876	EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,023.87	296.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.68	
		For 6" Overall Height Instead Of 4-5/8", Add	51.19	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0877	EA 9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,089.85 -81.70 54.49		327.39
26 05 36 00-0878	EA 12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,170.36 -88.25 58.52		345.40
26 05 36 00-0879	EA 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,275.33 -95.12 63.77		388.97
26 05 36 00-0880	EA 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,431.97 -106.19 71.60		444.08
26 05 36 00-0881	EA 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,674.09 -127.49 83.70		479.08
26 05 36 00-0882	EA 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,915.28 -144.41 95.76		565.30
26 05 36 00-0883 12" Radius Vertical Tees (26 05 36 00-0786)				
26 05 36 00-0884	EA 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	877.76 -68.57 43.89		230.40
26 05 36 00-0885	EA 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	907.31 -70.77 45.37		239.47
26 05 36 00-0886	EA 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	926.77 -71.93 46.34		249.07
26 05 36 00-0887	EA 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	973.36 -74.80 48.67		270.46
26 05 36 00-0888	EA 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,036.92 -80.14 51.85		282.65
26 05 36 00-0889	EA 30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,095.22 -83.59 54.76		311.17
26 05 36 00-0890	EA 36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,170.36 -88.25 58.52		345.40
26 05 36 00-0891 24" Radius Vertical Tees (26 05 36 00-0786)				
26 05 36 00-0892	EA 6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,251.11 -104.36 62.56		249.07
26 05 36 00-0893	EA 9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,279.07 -106.30 63.95		259.32
26 05 36 00-0894	EA 12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,308.51 -108.31 65.43		270.46
26 05 36 00-0895	EA 18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,377.04 -113.00 68.85		296.52
26 05 36 00-0896	EA 24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,423.16 -116.39 71.16		311.17
26 05 36 00-0897	EA 30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,501.90 -121.40 75.10		345.40
26 05 36 00-0898	EA 36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,657.33 -133.32 82.87		388.97
26 05 36 00-0899 36" Radius Vertical Tee (26 05 36 00-0786)				
26 05 36 00-0900	EA 6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,041.33 -181.59 102.07		270.46
26 05 36 00-0901	EA 9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,082.29 -184.67 104.11		282.65
26 05 36 00-0902	EA 12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,125.93 -187.89 106.30		296.52
26 05 36 00-0903	EA 18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,198.18 -192.53 109.91		327.39
26 05 36 00-0904	EA 24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,248.88 -196.10 112.44		345.40
26 05 36 00-0905	EA 30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,383.37 -205.92 119.17		388.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0906	EA		36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,495.79 -212.58 124.79	444.08
26 05 36 00-0907 12" Radius Horizontal Crosses (26 05 36 00-0786)					
26 05 36 00-0908	EA		6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	824.94 -56.56 41.25	311.17
26 05 36 00-0909	EA		9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	884.44 -61.16 44.22	327.39
26 05 36 00-0910	EA		12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	918.10 -63.02 45.91	345.40
26 05 36 00-0911	EA		18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,024.86 -71.96 51.24	366.28
26 05 36 00-0912	EA		24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,119.97 -77.44 56.00	414.64
26 05 36 00-0913	EA		30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,244.57 -87.45 62.23	444.08
26 05 36 00-0914	EA		36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,429.03 -102.98 71.45	479.08
26 05 36 00-0915 24" Radius Horizontal Crosses (26 05 36 00-0786)					
26 05 36 00-0916	EA		6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,163.15 -87.53 58.16	345.40
26 05 36 00-0917	EA		9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,215.86 -91.06 60.79	366.28
26 05 36 00-0918	EA		12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,271.73 -94.76 63.59	388.97
26 05 36 00-0919	EA		18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,347.01 -100.14 67.35	414.64
26 05 36 00-0920	EA		24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,511.92 -111.27 75.60	479.08
26 05 36 00-0921	EA		30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,663.37 -123.12 83.17	518.62
26 05 36 00-0922	EA		36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,843.02 -137.19 92.15	565.30
26 05 36 00-0923 36" Radius Horizontal Crosses (26 05 36 00-0786)					
26 05 36 00-0924	EA		6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,340.20 -101.61 67.01	388.97
26 05 36 00-0925	EA		9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,444.89 -109.93 72.24	414.64
26 05 36 00-0926	EA		12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,539.04 -116.90 76.95	444.08
26 05 36 00-0927	EA		18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,612.82 -121.36 80.64	479.08
26 05 36 00-0928	EA		24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,951.32 -148.02 97.57	565.30
26 05 36 00-0929	EA		30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,152.76 -163.50 107.64	621.31
26 05 36 00-0930	EA		36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,396.81 -182.01 119.84	692.11
26 05 36 00-0931 12" Radius Vertical Cross (26 05 36 00-0786)					
26 05 36 00-0932	EA		6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	824.94 -56.56 41.25	311.17
26 05 36 00-0933	EA		9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	884.63 -61.17 44.23	327.52
26 05 36 00-0934	EA		12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	918.00 -63.02 45.90	345.40

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0935	EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,025.09 -71.98 51.25		366.41
26 05 36 00-0936	EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,119.97 -77.44 56.00		414.64
26 05 36 00-0937	EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,244.91 -87.47 62.25		444.21
26 05 36 00-0938	EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,428.05 -102.94 71.40		478.43
26 05 36 00-0939 24" Radius Vertical Crosses (26 05 36 00-0786)				
26 05 36 00-0940	EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,163.15 -87.53 58.16		345.40
26 05 36 00-0941	EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,215.86 -91.06 60.79		366.28
26 05 36 00-0942	EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,271.73 -94.76 63.59		388.97
26 05 36 00-0943	EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,347.01 -100.14 67.35		414.64
26 05 36 00-0944	EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,511.92 -111.27 75.60		479.08
26 05 36 00-0945	EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,628.37 -119.62 81.42		518.62
26 05 36 00-0946	EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,803.56 -133.24 90.18		565.30
26 05 36 00-0947 36" Radius Vertical Crosses (26 05 36 00-0786)				
26 05 36 00-0948	EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,651.56 -132.74 82.58		388.97
26 05 36 00-0949	EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,736.21 -139.06 86.81		414.64
26 05 36 00-0950	EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,847.84 -147.78 92.39		444.08
26 05 36 00-0951	EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,979.32 -158.01 98.97		479.08
26 05 36 00-0952	EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,405.39 -193.43 120.27		565.30
26 05 36 00-0953	EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,655.48 -213.77 132.77		621.31
26 05 36 00-0954	EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,956.29 -237.95 147.81		692.11
26 05 36 00-0955 6" Rung Tray Fittings (26 05 36 00-0744)				
26 05 36 00-0956 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)				
26 05 36 00-0957	EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	348.07 -23.97 17.40		130.05
26 05 36 00-0958	EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	381.59 -25.82 19.08		148.07
26 05 36 00-0959	EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	432.51 -29.61 21.63		163.76
26 05 36 00-0960	EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	514.14 -34.69 25.71		200.70
26 05 36 00-0961	EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	606.93 -41.49 30.35		230.40
26 05 36 00-0962	EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	668.37 -45.23 33.42		259.32
26 05 36 00-0963	EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	780.05 -53.31 39.00		296.39
26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 36 00-0965	EA		6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	458.28	135.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.56	
			For 6" Overall Height Instead Of 4-5/8", Add	22.91	
26 05 36 00-0966	EA		9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	501.95	155.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.24	
			For 6" Overall Height Instead Of 4-5/8", Add	25.10	
26 05 36 00-0967	EA		12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	542.61	172.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.85	
			For 6" Overall Height Instead Of 4-5/8", Add	27.13	
26 05 36 00-0968	EA		18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	633.87	214.71
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.50	
			For 6" Overall Height Instead Of 4-5/8", Add	31.69	
26 05 36 00-0969	EA		24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	717.75	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.02	
			For 6" Overall Height Instead Of 4-5/8", Add	35.89	
26 05 36 00-0970	EA		30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	802.12	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.66	
			For 6" Overall Height Instead Of 4-5/8", Add	40.11	
26 05 36 00-0971	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	918.26	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.54	
			For 6" Overall Height Instead Of 4-5/8", Add	45.91	

26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)

26 05 36 00-0973	EA		6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	491.71	141.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.39	
			For 6" Overall Height Instead Of 4-5/8", Add	24.59	
26 05 36 00-0974	EA		9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	535.41	163.63
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.91	
			For 6" Overall Height Instead Of 4-5/8", Add	26.77	
26 05 36 00-0975	EA		12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	597.95	183.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.53	
			For 6" Overall Height Instead Of 4-5/8", Add	29.90	
26 05 36 00-0976	EA		18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	713.38	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.14	
			For 6" Overall Height Instead Of 4-5/8", Add	35.67	
26 05 36 00-0977	EA		24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	823.39	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.80	
			For 6" Overall Height Instead Of 4-5/8", Add	41.17	
26 05 36 00-0978	EA		30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	927.78	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.85	
			For 6" Overall Height Instead Of 4-5/8", Add	46.39	
26 05 36 00-0979	EA		36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,078.33	365.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.37	
			For 6" Overall Height Instead Of 4-5/8", Add	53.92	

26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)

26 05 36 00-0981	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	243.53	94.26
			For 60 Degree Bend, Deduct	-44.25	
			For 30 Degree Bend, Deduct	-78.98	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.50	
			For 6" Overall Height Instead Of 4-5/8", Add	12.18	
26 05 36 00-0982	EA		9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	278.17	113.06
			For 60 Degree Bend, Deduct	-48.48	
			For 30 Degree Bend, Deduct	-87.07	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.40	
			For 6" Overall Height Instead Of 4-5/8", Add	13.91	
26 05 36 00-0983	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	309.24	129.66
			For 60 Degree Bend, Deduct	-52.35	
			For 30 Degree Bend, Deduct	-94.45	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.12	
			For 6" Overall Height Instead Of 4-5/8", Add	15.46	
26 05 36 00-0984	EA		18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	382.85	163.89
			For 60 Degree Bend, Deduct	-63.53	
			For 30 Degree Bend, Deduct	-114.99	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.63	
			For 6" Overall Height Instead Of 4-5/8", Add	19.14	
26 05 36 00-0985	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	470.90	200.70
			For 60 Degree Bend, Deduct	-78.46	
			For 30 Degree Bend, Deduct	-141.92	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.36	
			For 6" Overall Height Instead Of 4-5/8", Add	23.55	
26 05 36 00-0986	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	540.40	230.40
			For 60 Degree Bend, Deduct	-90.00	
			For 30 Degree Bend, Deduct	-162.80	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.84	
			For 6" Overall Height Instead Of 4-5/8", Add	27.02	
26 05 36 00-0987	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	613.82	270.46
			For 60 Degree Bend, Deduct	-98.87	
			For 30 Degree Bend, Deduct	-179.81	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.84	
			For 6" Overall Height Instead Of 4-5/8", Add	30.69	

26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0989	EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	278.41		97.24
	For 60 Degree Bend, Deduct	-54.62		
	For 30 Degree Bend, Deduct	-96.43		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.74		
	For 6" Overall Height Instead Of 4-5/8", Add	13.92		
26 05 36 00-0990	EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	325.11		117.21
	For 60 Degree Bend, Deduct	-62.35		
	For 30 Degree Bend, Deduct	-110.43		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.74		
	For 6" Overall Height Instead Of 4-5/8", Add	16.26		
26 05 36 00-0991	EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	358.63		135.36
	For 60 Degree Bend, Deduct	-66.47		
	For 30 Degree Bend, Deduct	-118.30		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.58		
	For 6" Overall Height Instead Of 4-5/8", Add	17.93		
26 05 36 00-0992	EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	431.17		172.84
	For 60 Degree Bend, Deduct	-76.02		
	For 30 Degree Bend, Deduct	-136.30		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.71		
	For 6" Overall Height Instead Of 4-5/8", Add	21.56		
26 05 36 00-0993	EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	524.10		214.71
	For 60 Degree Bend, Deduct	-90.67		
	For 30 Degree Bend, Deduct	-163.04		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.52		
	For 6" Overall Height Instead Of 4-5/8", Add	26.21		
26 05 36 00-0994	EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	614.63		249.07
	For 60 Degree Bend, Deduct	-107.37		
	For 30 Degree Bend, Deduct	-192.78		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.71		
	For 6" Overall Height Instead Of 4-5/8", Add	30.73		
26 05 36 00-0995	EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	703.69		296.52
	For 60 Degree Bend, Deduct	-118.57		
	For 30 Degree Bend, Deduct	-214.09		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.66		
	For 6" Overall Height Instead Of 4-5/8", Add	35.18		
26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0995)				
26 05 36 00-0997	EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	323.52		100.36
	For 60 Degree Bend, Deduct	-68.31		
	For 30 Degree Bend, Deduct	-119.43		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.99		
	For 6" Overall Height Instead Of 4-5/8", Add	16.18		
26 05 36 00-0998	EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	362.77		121.88
	For 60 Degree Bend, Deduct	-73.00		
	For 30 Degree Bend, Deduct	-128.44		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.12		
	For 6" Overall Height Instead Of 4-5/8", Add	18.14		
26 05 36 00-0999	EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	398.74		141.45
	For 60 Degree Bend, Deduct	-77.36		
	For 30 Degree Bend, Deduct	-136.80		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.09		
	For 6" Overall Height Instead Of 4-5/8", Add	19.94		
26 05 36 00-1000	EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	484.85		183.08
	For 60 Degree Bend, Deduct	-89.80		
	For 30 Degree Bend, Deduct	-159.84		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.22		
	For 6" Overall Height Instead Of 4-5/8", Add	24.24		
26 05 36 00-1001	EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	603.60		230.40
	For 60 Degree Bend, Deduct	-110.86		
	For 30 Degree Bend, Deduct	-197.56		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.16		
	For 6" Overall Height Instead Of 4-5/8", Add	30.18		
26 05 36 00-1002	EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	683.68		270.46
	For 60 Degree Bend, Deduct	-121.93		
	For 30 Degree Bend, Deduct	-218.24		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.83		
	For 6" Overall Height Instead Of 4-5/8", Add	34.18		
26 05 36 00-1003	EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	801.83		327.39
	For 60 Degree Bend, Deduct	-139.10		
	For 30 Degree Bend, Deduct	-250.02		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.90		
	For 6" Overall Height Instead Of 4-5/8", Add	40.09		
26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers (26 05 36 00-0995)				
26 05 36 00-1005	EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	391.44		129.66
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.34		
	For 6" Overall Height Instead Of 4-5/8", Add	19.57		
26 05 36 00-1006	EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	431.77		148.07
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.83		
	For 6" Overall Height Instead Of 4-5/8", Add	21.59		
26 05 36 00-1007	EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	460.93		163.76
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.45		
	For 6" Overall Height Instead Of 4-5/8", Add	23.05		
26 05 36 00-1008	EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	528.97		200.70
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.17		
	For 6" Overall Height Instead Of 4-5/8", Add	26.45		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1009	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	588.08	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.61	
			For 6" Overall Height Instead Of 4-5/8", Add	29.40	
26 05 36 00-1010	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	645.78	259.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.97	
			For 6" Overall Height Instead Of 4-5/8", Add	32.29	
26 05 36 00-1011	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	713.34	296.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.67	
			For 6" Overall Height Instead Of 4-5/8", Add	35.67	
26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers (26 05 36 00-0955)					
26 05 36 00-1013	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	415.10	135.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.24	
			For 6" Overall Height Instead Of 4-5/8", Add	20.76	
26 05 36 00-1014	EA		9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	456.97	155.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.73	
			For 6" Overall Height Instead Of 4-5/8", Add	22.85	
26 05 36 00-1015	EA		12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	490.56	172.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.65	
			For 6" Overall Height Instead Of 4-5/8", Add	24.53	
26 05 36 00-1016	EA		18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	571.36	214.71
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.25	
			For 6" Overall Height Instead Of 4-5/8", Add	28.57	
26 05 36 00-1017	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	641.38	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.39	
			For 6" Overall Height Instead Of 4-5/8", Add	32.07	
26 05 36 00-1018	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	710.22	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.47	
			For 6" Overall Height Instead Of 4-5/8", Add	35.51	
26 05 36 00-1019	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	800.72	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.79	
			For 6" Overall Height Instead Of 4-5/8", Add	40.04	
26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers (26 05 36 00-0955)					
26 05 36 00-1021	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	528.86	141.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.11	
			For 6" Overall Height Instead Of 4-5/8", Add	26.44	
26 05 36 00-1022	EA		9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	572.50	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.61	
			For 6" Overall Height Instead Of 4-5/8", Add	28.63	
26 05 36 00-1023	EA		12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	624.01	183.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.14	
			For 6" Overall Height Instead Of 4-5/8", Add	31.20	
26 05 36 00-1024	EA		18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	715.59	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.36	
			For 6" Overall Height Instead Of 4-5/8", Add	35.78	
26 05 36 00-1025	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	795.12	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.97	
			For 6" Overall Height Instead Of 4-5/8", Add	39.76	
26 05 36 00-1026	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	888.42	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.91	
			For 6" Overall Height Instead Of 4-5/8", Add	44.42	
26 05 36 00-1027	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	995.03	365.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.04	
			For 6" Overall Height Instead Of 4-5/8", Add	49.75	
26 05 36 00-1028 12" Radius Horizontal Tees (26 05 36 00-0955)					
26 05 36 00-1029	EA		6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	617.96	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.04	
			For 6" Overall Height Instead Of 4-5/8", Add	30.90	
26 05 36 00-1030	EA		9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	667.04	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.16	
			For 6" Overall Height Instead Of 4-5/8", Add	33.35	
26 05 36 00-1031	EA		12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	690.68	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.51	
			For 6" Overall Height Instead Of 4-5/8", Add	34.53	
26 05 36 00-1032	EA		18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	781.42	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.21	
			For 6" Overall Height Instead Of 4-5/8", Add	39.07	
26 05 36 00-1033	EA		24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	865.15	345.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.73	
			For 6" Overall Height Instead Of 4-5/8", Add	43.26	
26 05 36 00-1034	EA		30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	946.41	366.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.12	
			For 6" Overall Height Instead Of 4-5/8", Add	47.32	
26 05 36 00-1035	EA		36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,093.64	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-74.81	
			For 6" Overall Height Instead Of 4-5/8", Add	54.68	
26 05 36 00-1036 24" Radius Horizontal Tees (26 05 36 00-0955)					
26 05 36 00-1037	EA		6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	796.78	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.14	
			For 6" Overall Height Instead Of 4-5/8", Add	39.84	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1038	EA 9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	860.04 -61.30 43.00		296.52	
26 05 36 00-1039	EA 12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	894.52 -63.52 44.73		311.17	
26 05 36 00-1040	EA 18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	984.90 -69.70 49.25		345.40	
26 05 36 00-1041	EA 24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,094.03 -76.99 54.70		388.97	
26 05 36 00-1042	EA 30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,180.13 -83.46 59.01		414.64	
26 05 36 00-1043	EA 36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,546.85 -114.77 77.34		479.08	
26 05 36 00-1044 36" Radius Horizontal Tees (26 05 36 00-0955)					
26 05 36 00-1045	EA 6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	983.12 -73.61 49.16		296.52	
26 05 36 00-1046	EA 9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,048.00 -77.52 52.40		327.39	
26 05 36 00-1047	EA 12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,124.62 -83.68 56.23		345.40	
26 05 36 00-1048	EA 18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,227.10 -90.30 61.36		388.97	
26 05 36 00-1049	EA 24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,378.74 -100.87 68.94		444.08	
26 05 36 00-1050	EA 30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,606.73 -120.75 80.34		479.08	
26 05 36 00-1051	EA 36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,840.43 -136.93 92.02		565.30	
26 05 36 00-1052 12" Radius Vertical Tees (26 05 36 00-0955)					
26 05 36 00-1053	EA 6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	839.78 -64.78 41.99		230.40	
26 05 36 00-1054	EA 9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	868.22 -66.86 43.41		239.47	
26 05 36 00-1055	EA 12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	887.41 -67.99 44.37		249.07	
26 05 36 00-1056	EA 18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	933.17 -70.78 46.66		270.46	
26 05 36 00-1057	EA 24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	993.39 -75.78 49.67		282.65	
26 05 36 00-1058	EA 30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,050.86 -79.16 52.54		311.17	
26 05 36 00-1059	EA 36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,124.62 -83.68 56.23		345.40	
26 05 36 00-1060 24" Radius Vertical Tees (26 05 36 00-0955)					
26 05 36 00-1061	EA 6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,186.79 -97.93 59.34		249.07	
26 05 36 00-1062	EA 9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,213.92 -99.78 60.70		259.32	
26 05 36 00-1063	EA 12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,242.53 -101.71 62.13		270.46	
26 05 36 00-1064	EA 18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,309.12 -106.21 65.46		296.52	
26 05 36 00-1065	EA 24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,353.58 -109.43 67.68		311.17	
26 05 36 00-1066	EA 30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,430.66 -114.28 71.53		345.40	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,579.71 -125.56 78.99	388.97
26 05 36 00-1068		36" Radius Vertical Tees (26 05 36 00-0955)		
26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,918.98 -169.36 95.95	270.46
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,958.35 -172.28 97.92	282.65
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,000.40 -175.33 100.02	296.52
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,071.07 -179.82 103.55	327.39
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,120.18 -183.23 106.01	345.40
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,249.90 -192.58 112.50	388.97
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,360.73 -199.07 118.04	444.08
26 05 36 00-1076		12" Radius Horizontal Crosses (26 05 36 00-0955)		
26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	801.37 -54.21 40.07	311.17
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	858.38 -58.55 42.92	327.39
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	891.76 -60.39 44.59	345.40
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	992.98 -68.78 49.65	366.28
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,086.99 -74.14 54.35	414.64
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,205.76 -83.57 60.29	444.08
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,380.52 -98.13 69.03	479.08
26 05 36 00-1084		24" Radius Horizontal Crosses (26 05 36 00-0955)		
26 05 36 00-1085	EA	6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,117.96 -83.01 55.90	345.40
26 05 36 00-1086	EA	9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,169.29 -86.41 58.46	366.28
26 05 36 00-1087	EA	12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,223.77 -89.96 61.19	388.97
26 05 36 00-1088	EA	18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,296.56 -95.10 64.83	414.64
26 05 36 00-1089	EA	24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,457.03 -105.78 72.85	479.08
26 05 36 00-1090	EA	30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,569.60 -113.74 78.48	518.62
26 05 36 00-1091	EA	36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,737.31 -126.62 86.87	565.30
26 05 36 00-1092		36" Radius Horizontal Crosses (26 05 36 00-0955)		
26 05 36 00-1093	EA	6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,286.97 -96.28 64.35	388.97
26 05 36 00-1094	EA	9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,356.44 -101.09 67.82	414.64
26 05 36 00-1095	EA	12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,445.27 -107.52 72.26	444.08

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1096	EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,550.17 -115.10 77.51		479.08	
26 05 36 00-1097	EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,873.70 -140.26 93.69		565.30	
26 05 36 00-1098	EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,066.82 -154.90 103.34		621.31	
26 05 36 00-1099	EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,301.17 -172.44 115.06		692.11	
26 05 36 00-1100 12" Radius Vertical Crosses (26 05 36 00-0955)					
26 05 36 00-1101	EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	801.37 -54.21 40.07		311.17	
26 05 36 00-1102	EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	858.57 -58.56 42.93		327.52	
26 05 36 00-1103	EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	891.66 -60.38 44.58		345.40	
26 05 36 00-1104	EA 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	993.21 -68.79 49.66		366.41	
26 05 36 00-1105	EA 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,086.99 -74.14 54.35		414.64	
26 05 36 00-1106	EA 30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,206.10 -83.59 60.31		444.21	
26 05 36 00-1107	EA 36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,379.54 -98.08 68.98		478.43	
26 05 36 00-1108 24" Radius Vertical Crosses (26 05 36 00-0955)					
26 05 36 00-1109	EA 6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,117.96 -83.01 55.90		345.40	
26 05 36 00-1110	EA 9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,169.29 -86.41 58.46		366.28	
26 05 36 00-1111	EA 12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,223.77 -89.96 61.19		388.97	
26 05 36 00-1112	EA 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,296.56 -95.10 64.83		414.64	
26 05 36 00-1113	EA 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,457.03 -105.78 72.85		479.08	
26 05 36 00-1114	EA 30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,569.60 -113.74 78.48		518.62	
26 05 36 00-1115	EA 36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,737.31 -126.62 86.87		565.30	
26 05 36 00-1116 36" Radius Vertical Crosses (26 05 36 00-0955)					
26 05 36 00-1117	EA 6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,574.38 -125.02 78.72		388.97	
26 05 36 00-1118	EA 9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,655.82 -131.03 82.79		414.64	
26 05 36 00-1119	EA 12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,762.62 -139.26 88.13		444.08	
26 05 36 00-1120	EA 18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,888.48 -148.93 94.42		479.08	
26 05 36 00-1121	EA 24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,292.84 -182.17 114.64		565.30	
26 05 36 00-1122	EA 30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,530.87 -201.31 126.54		621.31	
26 05 36 00-1123	EA 36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,817.61 -224.09 140.88		692.11	
26 05 36 00-1124	9" Rung Tray Fittings (26 05 36 00-0744)				
26 05 36 00-1125	90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1126	EA	6"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	326.17	130.05
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.78	
			For 6" Overall Height Instead Of 4-5/8", Add	16.31	
26 05 36 00-1127	EA	9"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	359.14	148.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.57	
			For 6" Overall Height Instead Of 4-5/8", Add	17.96	
26 05 36 00-1128	EA	12"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	405.90	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.95	
			For 6" Overall Height Instead Of 4-5/8", Add	20.30	
26 05 36 00-1129	EA	18"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	484.20	200.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.69	
			For 6" Overall Height Instead Of 4-5/8", Add	24.21	
26 05 36 00-1130	EA	24"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	569.78	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.78	
			For 6" Overall Height Instead Of 4-5/8", Add	28.49	
26 05 36 00-1131	EA	30"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	629.01	259.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.29	
			For 6" Overall Height Instead Of 4-5/8", Add	31.45	
26 05 36 00-1132	EA	36"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	732.37	296.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.54	
			For 6" Overall Height Instead Of 4-5/8", Add	36.62	
26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)					
26 05 36 00-1134	EA	6"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	419.47	135.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.68	
			For 6" Overall Height Instead Of 4-5/8", Add	20.97	
26 05 36 00-1135	EA	9"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	461.47	155.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.19	
			For 6" Overall Height Instead Of 4-5/8", Add	23.07	
26 05 36 00-1136	EA	12"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	500.20	172.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.61	
			For 6" Overall Height Instead Of 4-5/8", Add	25.01	
26 05 36 00-1137	EA	18"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	587.85	214.71
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.90	
			For 6" Overall Height Instead Of 4-5/8", Add	29.39	
26 05 36 00-1138	EA	24"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	667.30	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.98	
			For 6" Overall Height Instead Of 4-5/8", Add	33.37	
26 05 36 00-1139	EA	30"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	746.95	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.14	
			For 6" Overall Height Instead Of 4-5/8", Add	37.35	
26 05 36 00-1140	EA	36"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	856.17	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.33	
			For 6" Overall Height Instead Of 4-5/8", Add	42.81	
26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)					
26 05 36 00-1142	EA	6"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	449.02	141.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.12	
			For 6" Overall Height Instead Of 4-5/8", Add	22.45	
26 05 36 00-1143	EA	9"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	491.61	163.63
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.53	
			For 6" Overall Height Instead Of 4-5/8", Add	24.58	
26 05 36 00-1144	EA	12"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	549.17	183.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.66	
			For 6" Overall Height Instead Of 4-5/8", Add	27.46	
26 05 36 00-1145	EA	18"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	658.49	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.65	
			For 6" Overall Height Instead Of 4-5/8", Add	32.92	
26 05 36 00-1146	EA	24"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	761.30	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.59	
			For 6" Overall Height Instead Of 4-5/8", Add	38.07	
26 05 36 00-1147	EA	30"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	859.59	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-60.03	
			For 6" Overall Height Instead Of 4-5/8", Add	42.98	
26 05 36 00-1148	EA	36"	Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,000.16	365.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.55	
			For 6" Overall Height Instead Of 4-5/8", Add	50.01	
26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)					
26 05 36 00-1150	EA	6"	Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	229.11	94.26
			For 60 Degree Bend, Deduct	-39.49	
			For 30 Degree Bend, Deduct	-71.05	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.06	
			For 6" Overall Height Instead Of 4-5/8", Add	11.46	
26 05 36 00-1151	EA	9"	Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	263.20	113.06
			For 60 Degree Bend, Deduct	-43.54	
			For 30 Degree Bend, Deduct	-78.84	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.90	
			For 6" Overall Height Instead Of 4-5/8", Add	13.16	
26 05 36 00-1152	EA	12"	Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	293.72	129.66
			For 60 Degree Bend, Deduct	-47.22	
			For 30 Degree Bend, Deduct	-85.91	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.57	
			For 6" Overall Height Instead Of 4-5/8", Add	14.69	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-1153	EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	364.55		163.89
	For 60 Degree Bend, Deduct	-57.50		
	For 30 Degree Bend, Deduct	-104.93		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.80		
	For 6" Overall Height Instead Of 4-5/8", Add	18.23		
26 05 36 00-1154	EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	448.17		200.70
	For 60 Degree Bend, Deduct	-70.96		
	For 30 Degree Bend, Deduct	-129.42		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.09		
	For 6" Overall Height Instead Of 4-5/8", Add	22.41		
26 05 36 00-1155	EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	514.34		230.40
	For 60 Degree Bend, Deduct	-81.40		
	For 30 Degree Bend, Deduct	-148.47		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.23		
	For 6" Overall Height Instead Of 4-5/8", Add	25.72		
26 05 36 00-1156	EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	586.65		270.46
	For 60 Degree Bend, Deduct	-89.91		
	For 30 Degree Bend, Deduct	-164.87		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.12		
	For 6" Overall Height Instead Of 4-5/8", Add	29.33		
26 05 36 00-1157 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1124)				
26 05 36 00-1158	EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	259.00		97.24
	For 60 Degree Bend, Deduct	-48.21		
	For 30 Degree Bend, Deduct	-85.76		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.80		
	For 6" Overall Height Instead Of 4-5/8", Add	12.95		
26 05 36 00-1159	EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	303.49		117.21
	For 60 Degree Bend, Deduct	-55.21		
	For 30 Degree Bend, Deduct	-98.54		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.58		
	For 6" Overall Height Instead Of 4-5/8", Add	15.17		
26 05 36 00-1160	EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	336.45		135.36
	For 60 Degree Bend, Deduct	-59.15		
	For 30 Degree Bend, Deduct	-106.10		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.37		
	For 6" Overall Height Instead Of 4-5/8", Add	16.82		
26 05 36 00-1161	EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	407.33		172.84
	For 60 Degree Bend, Deduct	-68.15		
	For 30 Degree Bend, Deduct	-123.19		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.33		
	For 6" Overall Height Instead Of 4-5/8", Add	20.37		
26 05 36 00-1162	EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	496.38		214.71
	For 60 Degree Bend, Deduct	-81.52		
	For 30 Degree Bend, Deduct	-147.79		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.75		
	For 6" Overall Height Instead Of 4-5/8", Add	24.82		
26 05 36 00-1163	EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	581.37		249.07
	For 60 Degree Bend, Deduct	-96.39		
	For 30 Degree Bend, Deduct	-174.49		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.39		
	For 6" Overall Height Instead Of 4-5/8", Add	29.07		
26 05 36 00-1164	EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	668.76		296.52
	For 60 Degree Bend, Deduct	-107.04		
	For 30 Degree Bend, Deduct	-194.88		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.17		
	For 6" Overall Height Instead Of 4-5/8", Add	33.44		
26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1124)				
26 05 36 00-1166	EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	297.46		100.36
	For 60 Degree Bend, Deduct	-59.71		
	For 30 Degree Bend, Deduct	-105.09		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.39		
	For 6" Overall Height Instead Of 4-5/8", Add	14.87		
26 05 36 00-1167	EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	336.16		121.88
	For 60 Degree Bend, Deduct	-64.22		
	For 30 Degree Bend, Deduct	-113.80		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.46		
	For 6" Overall Height Instead Of 4-5/8", Add	16.81		
26 05 36 00-1168	EA 12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	371.57		141.45
	For 60 Degree Bend, Deduct	-68.40		
	For 30 Degree Bend, Deduct	-121.85		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.37		
	For 6" Overall Height Instead Of 4-5/8", Add	18.58		
26 05 36 00-1169	EA 18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	454.91		183.08
	For 60 Degree Bend, Deduct	-79.92		
	For 30 Degree Bend, Deduct	-143.37		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.23		
	For 6" Overall Height Instead Of 4-5/8", Add	22.75		
26 05 36 00-1170	EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	567.01		230.40
	For 60 Degree Bend, Deduct	-98.78		
	For 30 Degree Bend, Deduct	-177.44		
	For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.50		
	For 6" Overall Height Instead Of 4-5/8", Add	28.35		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1171	EA	30"	Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	644.87	270.46
			For 60 Degree Bend, Deduct	-109.12	
			For 30 Degree Bend, Deduct	-196.89	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.95	
			For 6" Overall Height Instead Of 4-5/8", Add	32.24	
26 05 36 00-1172	EA	36"	Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	759.14	327.39
			For 60 Degree Bend, Deduct	-125.01	
			For 30 Degree Bend, Deduct	-226.54	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.63	
			For 6" Overall Height Instead Of 4-5/8", Add	37.96	
26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1124)					
26 05 36 00-1174	EA	6"	Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	368.57	129.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.05	
			For 6" Overall Height Instead Of 4-5/8", Add	18.43	
26 05 36 00-1175	EA	9"	Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	407.65	148.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.42	
			For 6" Overall Height Instead Of 4-5/8", Add	20.38	
26 05 36 00-1176	EA	12"	Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	436.39	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.00	
			For 6" Overall Height Instead Of 4-5/8", Add	21.82	
26 05 36 00-1177	EA	18"	Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	503.61	200.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.64	
			For 6" Overall Height Instead Of 4-5/8", Add	25.18	
26 05 36 00-1178	EA	24"	Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	561.46	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.94	
			For 6" Overall Height Instead Of 4-5/8", Add	28.07	
26 05 36 00-1179	EA	30"	Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	617.92	259.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.18	
			For 6" Overall Height Instead Of 4-5/8", Add	30.90	
26 05 36 00-1180	EA	36"	Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	684.65	296.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.80	
			For 6" Overall Height Instead Of 4-5/8", Add	34.23	
26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1124)					
26 05 36 00-1182	EA	6"	Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	390.36	135.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.77	
			For 6" Overall Height Instead Of 4-5/8", Add	19.52	
26 05 36 00-1183	EA	9"	Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	431.19	155.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.15	
			For 6" Overall Height Instead Of 4-5/8", Add	21.56	
26 05 36 00-1184	EA	12"	Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	464.16	172.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.01	
			For 6" Overall Height Instead Of 4-5/8", Add	23.21	
26 05 36 00-1185	EA	18"	Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	543.50	214.71
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.46	
			For 6" Overall Height Instead Of 4-5/8", Add	27.18	
26 05 36 00-1186	EA	24"	Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	611.86	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.43	
			For 6" Overall Height Instead Of 4-5/8", Add	30.59	
26 05 36 00-1187	EA	30"	Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	679.04	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.35	
			For 6" Overall Height Instead Of 4-5/8", Add	33.95	
26 05 36 00-1188	EA	36"	Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	767.46	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.46	
			For 6" Overall Height Instead Of 4-5/8", Add	38.37	
26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1124)					
26 05 36 00-1190	EA	6"	Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	490.60	141.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.28	
			For 6" Overall Height Instead Of 4-5/8", Add	24.53	
26 05 36 00-1191	EA	9"	Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	533.42	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.70	
			For 6" Overall Height Instead Of 4-5/8", Add	26.67	
26 05 36 00-1192	EA	12"	Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	582.43	183.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.98	
			For 6" Overall Height Instead Of 4-5/8", Add	29.12	
26 05 36 00-1193	EA	18"	Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	672.35	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.03	
			For 6" Overall Height Instead Of 4-5/8", Add	33.62	
26 05 36 00-1194	EA	24"	Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	750.21	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.48	
			For 6" Overall Height Instead Of 4-5/8", Add	37.51	
26 05 36 00-1195	EA	30"	Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	840.18	311.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.09	
			For 6" Overall Height Instead Of 4-5/8", Add	42.01	
26 05 36 00-1196	EA	36"	Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	944.71	365.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.01	
			For 6" Overall Height Instead Of 4-5/8", Add	47.24	
26 05 36 00-1197 12" Radius Horizontal Tees (26 05 36 00-1124)					
26 05 36 00-1198	EA	6"	Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	584.14	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.66	
			For 6" Overall Height Instead Of 4-5/8", Add	29.21	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1199	EA 9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	631.01 -40.56 31.55		270.46	
26 05 36 00-1200	EA 12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	654.09 -41.85 32.70		282.65	
26 05 36 00-1201	EA 18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	737.62 -47.83 36.88		311.17	
26 05 36 00-1202	EA 24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	816.91 -52.90 40.85		345.40	
26 05 36 00-1203	EA 30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	890.41 -58.52 44.52		366.28	
26 05 36 00-1204	EA 36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,026.55 -68.10 51.33		414.64	
26 05 36 00-1205 24" Radius Horizontal Tees (26 05 36 00-1124)					
26 05 36 00-1206	EA 6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	739.12 -51.37 36.96		270.46	
26 05 36 00-1207	EA 9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	799.05 -55.20 39.95		296.52	
26 05 36 00-1208	EA 12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	831.87 -57.26 41.59		311.17	
26 05 36 00-1209	EA 18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	916.71 -62.88 45.84		345.40	
26 05 36 00-1210	EA 24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,019.74 -69.56 50.99		388.97	
26 05 36 00-1211	EA 30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,098.63 -75.31 54.93		414.64	
26 05 36 00-1212	EA 36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,422.10 -102.29 71.11		479.08	
26 05 36 00-1213 36" Radius Horizontal Tees (26 05 36 00-1124)					
26 05 36 00-1214	EA 6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	901.62 -65.46 45.08		296.52	
26 05 36 00-1215	EA 9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	964.28 -69.14 48.21		327.39	
26 05 36 00-1216	EA 12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,033.14 -74.53 51.66		345.40	
26 05 36 00-1217	EA 18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,130.63 -80.65 56.53		388.97	
26 05 36 00-1218	EA 24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,272.29 -90.23 63.61		444.08	
26 05 36 00-1219	EA 30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,472.00 -107.28 73.60		479.08	
26 05 36 00-1220	EA 36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,690.74 -121.96 84.54		565.30	
26 05 36 00-1221 12" Radius Vertical Tees (26 05 36 00-1124)					
26 05 36 00-1222	EA 6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	763.83 -57.18 38.19		230.40	
26 05 36 00-1223	EA 9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	790.05 -59.05 39.50		239.47	
26 05 36 00-1224	EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	808.68 -60.12 40.43		249.07	
26 05 36 00-1225	EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	852.78 -62.74 42.64		270.46	
26 05 36 00-1226	EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	906.35 -67.08 45.32		282.65	
26 05 36 00-1227	EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	962.16 -70.29 48.11		311.17	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1228	EA	36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,033.14 -74.53 51.66	345.40
26 05 36 00-1229		24" Radius Vertical Tees (26 05 36 00-1124)		
26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,058.17 -85.07 52.91	249.07
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,083.63 -86.75 54.18	259.32
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,110.58 -88.52 55.53	270.46
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,173.29 -92.62 58.66	296.52
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,214.42 -95.51 60.72	311.17
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,288.17 -100.03 64.41	345.40
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,424.47 -110.03 71.22	388.97
26 05 36 00-1237		36" Radius Vertical Tees (26 05 36 00-1124)		
26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,674.29 -144.89 83.71	270.46
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,710.48 -147.49 85.52	282.65
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,749.36 -150.23 87.47	296.52
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,816.84 -154.40 90.84	327.39
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,862.77 -157.49 93.14	345.40
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,982.97 -165.88 99.15	388.97
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,090.62 -172.06 104.53	444.08
26 05 36 00-1245		12" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	754.25 -49.49 37.71	311.17
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	806.27 -53.34 40.31	327.39
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	839.09 -55.12 41.95	345.40
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	929.22 -62.40 46.46	366.28
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,021.01 -67.54 51.05	414.64
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,128.14 -75.81 56.41	444.08
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,283.50 -88.43 64.18	479.08
26 05 36 00-1253		24" Radius Horizontal Crosses (26 05 36 00-1124)		
26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,027.59 -73.97 51.38	345.40
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,076.14 -77.09 53.81	366.28
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,127.85 -80.37 56.39	388.97

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1257	EA 18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,195.65 -85.01 59.78		414.64	
26 05 36 00-1258	EA 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,347.26 -94.81 67.36		479.08	
26 05 36 00-1259	EA 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,452.07 -101.99 72.60		518.62	
26 05 36 00-1260	EA 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,604.80 -113.37 80.24		565.30	
26 05 36 00-1261 36" Radius Horizontal Crosses (26 05 36 00-1124)					
26 05 36 00-1262	EA 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,180.52 -85.64 59.03		388.97	
26 05 36 00-1263	EA 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,245.55 -90.00 62.28		414.64	
26 05 36 00-1264	EA 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,327.74 -95.77 66.39		444.08	
26 05 36 00-1265	EA 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,424.88 -102.57 71.24		479.08	
26 05 36 00-1266	EA 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,718.46 -124.73 85.92		565.30	
26 05 36 00-1267	EA 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,894.95 -137.72 94.75		621.31	
26 05 36 00-1268	EA 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	2,109.90 -153.31 105.50		692.11	
26 05 36 00-1269 12" Radius Vertical Crosses (26 05 36 00-1124)					
26 05 36 00-1270	EA 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	754.25 -49.49 37.71		311.17	
26 05 36 00-1271	EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	806.27 -53.34 40.31		327.39	
26 05 36 00-1272	EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	839.09 -55.12 41.95		345.40	
26 05 36 00-1273	EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	929.22 -62.40 46.46		366.28	
26 05 36 00-1274	EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,021.01 -67.54 51.05		414.64	
26 05 36 00-1275	EA 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,128.14 -75.81 56.41		444.08	
26 05 36 00-1276	EA 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,281.54 -88.33 64.08		477.79	
26 05 36 00-1277 24" Radius Vertical Crosses (26 05 36 00-1124)					
26 05 36 00-1278	EA 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,027.59 -73.97 51.38		345.40	
26 05 36 00-1279	EA 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,076.14 -77.09 53.81		366.28	
26 05 36 00-1280	EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,127.85 -80.37 56.39		388.97	
26 05 36 00-1281	EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,195.65 -85.01 59.78		414.64	
26 05 36 00-1282	EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,347.26 -94.81 67.36		479.08	
26 05 36 00-1283	EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,452.07 -101.99 72.60		518.62	
26 05 36 00-1284	EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... For 3-5/8" Overall Height Instead Of 4-5/8", Deduct For 6" Overall Height Instead Of 4-5/8", Add	1,604.80 -113.37 80.24		565.30	
26 05 36 00-1285 36" Radius Vertical Crosses (26 05 36 00-1124)					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1286	EA		6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,420.03	388.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-109.59	
			For 6" Overall Height Instead Of 4-5/8", Add	71.00	
26 05 36 00-1287	EA		9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,495.04	414.64
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-114.95	
			For 6" Overall Height Instead Of 4-5/8", Add	74.75	
26 05 36 00-1288	EA		12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,592.20	444.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-122.22	
			For 6" Overall Height Instead Of 4-5/8", Add	79.61	
26 05 36 00-1289	EA		18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,706.80	479.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-130.76	
			For 6" Overall Height Instead Of 4-5/8", Add	85.34	
26 05 36 00-1290	EA		24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,067.74	565.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-159.66	
			For 6" Overall Height Instead Of 4-5/8", Add	103.39	
26 05 36 00-1291	EA		30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,281.66	621.31
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-176.39	
			For 6" Overall Height Instead Of 4-5/8", Add	114.08	
26 05 36 00-1292	EA		36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,540.27	692.11
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-196.35	
			For 6" Overall Height Instead Of 4-5/8", Add	127.01	
26 05 36 00-1293 12" Rung Tray Fittings (26 05 36 00-0744)					
26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)					
26 05 36 00-1295	EA		6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	318.50	130.05
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.02	
			For 6" Overall Height Instead Of 4-5/8", Add	15.93	
26 05 36 00-1296	EA		9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	351.28	148.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.78	
			For 6" Overall Height Instead Of 4-5/8", Add	17.56	
26 05 36 00-1297	EA		12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	396.59	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.02	
			For 6" Overall Height Instead Of 4-5/8", Add	19.83	
26 05 36 00-1298	EA		18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	473.73	200.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.65	
			For 6" Overall Height Instead Of 4-5/8", Add	23.69	
26 05 36 00-1299	EA		24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	556.78	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.48	
			For 6" Overall Height Instead Of 4-5/8", Add	27.64	
26 05 36 00-1300	EA		30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	615.23	259.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.91	
			For 6" Overall Height Instead Of 4-5/8", Add	30.76	
26 05 36 00-1301	EA		36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	715.68	296.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.87	
			For 6" Overall Height Instead Of 4-5/8", Add	35.78	
26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1293)					
26 05 36 00-1303	EA		6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	405.88	135.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.32	
			For 6" Overall Height Instead Of 4-5/8", Add	20.29	
26 05 36 00-1304	EA		9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	447.31	155.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.78	
			For 6" Overall Height Instead Of 4-5/8", Add	22.37	
26 05 36 00-1305	EA		12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	485.35	172.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.13	
			For 6" Overall Height Instead Of 4-5/8", Add	24.27	
26 05 36 00-1306	EA		18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	571.75	214.71
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.29	
			For 6" Overall Height Instead Of 4-5/8", Add	28.59	
26 05 36 00-1307	EA		24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	649.64	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.21	
			For 6" Overall Height Instead Of 4-5/8", Add	32.48	
26 05 36 00-1308	EA		30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	727.65	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.21	
			For 6" Overall Height Instead Of 4-5/8", Add	36.38	
26 05 36 00-1309	EA		36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	834.43	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.16	
			For 6" Overall Height Instead Of 4-5/8", Add	41.72	
26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1293)					
26 05 36 00-1311	EA		6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	434.08	141.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.63	
			For 6" Overall Height Instead Of 4-5/8", Add	21.70	
26 05 36 00-1312	EA		9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	476.28	163.63
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.00	
			For 6" Overall Height Instead Of 4-5/8", Add	23.81	
26 05 36 00-1313	EA		12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	532.09	183.08
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.95	
			For 6" Overall Height Instead Of 4-5/8", Add	26.60	
26 05 36 00-1314	EA		18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	639.28	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.73	
			For 6" Overall Height Instead Of 4-5/8", Add	31.96	
26 05 36 00-1315	EA		24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	739.56	270.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.42	
			For 6" Overall Height Instead Of 4-5/8", Add	36.98	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-1316	EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	835.72 -57.64 41.79		311.17
26 05 36 00-1317	EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	972.80 -66.82 48.64		365.64
26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1293)				
26 05 36 00-1319	EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	224.07 -37.82 -68.27 -14.56 11.20		94.26
26 05 36 00-1320	EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	257.96 -41.81 -75.96 -16.38 12.90		113.06
26 05 36 00-1321	EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	288.29 -45.43 -82.92 -18.02 14.41		129.66
26 05 36 00-1322	EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	358.15 -55.38 -101.41 -22.16 17.91		163.89
26 05 36 00-1323	EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	440.21 -68.33 -125.04 -27.30 22.01		200.70
26 05 36 00-1324	EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	505.22 -78.39 -143.45 -31.32 25.26		230.40
26 05 36 00-1325	EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	577.14 -86.77 -159.64 -35.17 28.86		270.46
26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1293)				
26 05 36 00-1327	EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	252.21 -45.97 -82.02 -17.12 12.61		97.24
26 05 36 00-1328	EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	295.92 -52.72 -94.37 -19.82 14.80		117.21
26 05 36 00-1329	EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	328.69 -56.59 -101.83 -21.59 16.43		135.36
26 05 36 00-1330	EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	398.99 -65.40 -118.60 -25.49 19.95		172.84
26 05 36 00-1331	EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	486.67 -78.31 -142.45 -30.78 24.33		214.71
26 05 36 00-1332	EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	569.72 -92.55 -168.08 -36.22 28.49		249.07
26 05 36 00-1333	EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	656.54 -103.01 -188.16 -40.95 32.83		296.52
26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1293)				
26 05 36 00-1335	EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	288.34 -56.70 -100.08 -20.48 14.42		100.36

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1336	EA	9"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	326.85	121.88
			For 60 Degree Bend, Deduct	-61.15	
			For 30 Degree Bend, Deduct	-108.68	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.53	
			For 6" Overall Height Instead Of 4-5/8", Add	16.34	
26 05 36 00-1337	EA	12"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	362.06	141.45
			For 60 Degree Bend, Deduct	-65.26	
			For 30 Degree Bend, Deduct	-116.62	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.42	
			For 6" Overall Height Instead Of 4-5/8", Add	18.10	
26 05 36 00-1338	EA	18"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	444.44	183.08
			For 60 Degree Bend, Deduct	-76.46	
			For 30 Degree Bend, Deduct	-137.62	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.18	
			For 6" Overall Height Instead Of 4-5/8", Add	22.22	
26 05 36 00-1339	EA	24"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	554.20	230.40
			For 60 Degree Bend, Deduct	-94.55	
			For 30 Degree Bend, Deduct	-170.39	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.22	
			For 6" Overall Height Instead Of 4-5/8", Add	27.71	
26 05 36 00-1340	EA	30"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	631.28	270.46
			For 60 Degree Bend, Deduct	-104.63	
			For 30 Degree Bend, Deduct	-189.42	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.59	
			For 6" Overall Height Instead Of 4-5/8", Add	31.56	
26 05 36 00-1341	EA	36"	Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	744.20	327.39
			For 60 Degree Bend, Deduct	-120.08	
			For 30 Degree Bend, Deduct	-218.32	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.14	
			For 6" Overall Height Instead Of 4-5/8", Add	37.21	
26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1293)					
26 05 36 00-1343	EA	6"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	353.32	129.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.53	
			For 6" Overall Height Instead Of 4-5/8", Add	17.67	
26 05 36 00-1344	EA	9"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	391.57	148.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.81	
			For 6" Overall Height Instead Of 4-5/8", Add	19.58	
26 05 36 00-1345	EA	12"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	420.04	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.36	
			For 6" Overall Height Instead Of 4-5/8", Add	21.00	
26 05 36 00-1346	EA	18"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	486.70	200.70
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.94	
			For 6" Overall Height Instead Of 4-5/8", Add	24.34	
26 05 36 00-1347	EA	24"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	543.72	230.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.17	
			For 6" Overall Height Instead Of 4-5/8", Add	27.19	
26 05 36 00-1348	EA	30"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	599.35	259.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.33	
			For 6" Overall Height Instead Of 4-5/8", Add	29.97	
26 05 36 00-1349	EA	36"	Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	665.52	296.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.88	
			For 6" Overall Height Instead Of 4-5/8", Add	33.28	
26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1293)					
26 05 36 00-1351	EA	6"	Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	373.87	135.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.12	
			For 6" Overall Height Instead Of 4-5/8", Add	18.69	
26 05 36 00-1352	EA	9"	Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	414.00	155.59
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.43	
			For 6" Overall Height Instead Of 4-5/8", Add	20.70	
26 05 36 00-1353	EA	12"	Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	446.56	172.84
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.25	
			For 6" Overall Height Instead Of 4-5/8", Add	22.33	
26 05 36 00-1354	EA	18"	Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	524.93	214.71
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.60	
			For 6" Overall Height Instead Of 4-5/8", Add	26.25	
26 05 36 00-1355	EA	24"	Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	592.18	249.07
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.47	
			For 6" Overall Height Instead Of 4-5/8", Add	29.61	
26 05 36 00-1356	EA	30"	Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	658.25	282.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.27	
			For 6" Overall Height Instead Of 4-5/8", Add	32.91	
26 05 36 00-1357	EA	36"	Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	745.28	327.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.24	
			For 6" Overall Height Instead Of 4-5/8", Add	37.26	
26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1293)					
26 05 36 00-1359	EA	6"	Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	465.10	141.32
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.73	
			For 6" Overall Height Instead Of 4-5/8", Add	23.26	
26 05 36 00-1360	EA	9"	Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	507.36	163.76
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-37.09	
			For 6" Overall Height Instead Of 4-5/8", Add	25.37	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1361	EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	554.71 -40.21 27.74		183.08	
26 05 36 00-1362	EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	643.52 -45.15 32.18		230.40	
26 05 36 00-1363	EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	720.27 -49.49 36.01		270.46	
26 05 36 00-1364	EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	808.03 -54.87 40.40		311.17	
26 05 36 00-1365	EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	911.17 -60.65 45.56		365.64	
26 05 36 00-1366 12" Radius Horizontal Tees (26 05 36 00-1293)					
26 05 36 00-1367	EA 6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	567.23 -35.97 28.36		249.07	
26 05 36 00-1368	EA 9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	612.99 -38.76 30.65		270.46	
26 05 36 00-1369	EA 12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	635.79 -40.02 31.79		282.65	
26 05 36 00-1370	EA 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	715.72 -45.64 35.79		311.17	
26 05 36 00-1371	EA 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	792.80 -50.49 39.64		345.40	
26 05 36 00-1372	EA 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	862.41 -55.72 43.12		366.28	
26 05 36 00-1373	EA 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	993.01 -64.74 49.65		414.64	
26 05 36 00-1374 24" Radius Horizontal Tees (26 05 36 00-1293)					
26 05 36 00-1375	EA 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	710.29 -48.49 35.51		270.46	
26 05 36 00-1376	EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	768.56 -52.15 38.43		296.52	
26 05 36 00-1377	EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	800.54 -54.12 40.03		311.17	
26 05 36 00-1378	EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	882.61 -59.47 44.13		345.40	
26 05 36 00-1379	EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	982.60 -65.85 49.13		388.97	
26 05 36 00-1380	EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,057.88 -71.23 52.89		414.64	
26 05 36 00-1381	EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,359.73 -96.05 67.99		479.08	
26 05 36 00-1382 36" Radius Horizontal Tees (26 05 36 00-1293)					
26 05 36 00-1383	EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	860.87 -61.38 43.04		296.52	
26 05 36 00-1384	EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	922.42 -64.96 46.12		327.39	
26 05 36 00-1385	EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	987.40 -69.95 49.37		345.40	
26 05 36 00-1386	EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,082.39 -75.83 54.12		388.97	
26 05 36 00-1387	EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,219.07 -84.90 60.95		444.08	
26 05 36 00-1388	EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,404.64 -100.55 70.23		479.08	
26 05 36 00-1389	EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,615.89 -114.48 80.79		565.30	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1390 12" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	725.85	230.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-53.38	
For 6" Overall Height Instead Of 4-5/8", Add	36.29	
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	750.96	239.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.14	
For 6" Overall Height Instead Of 4-5/8", Add	37.55	
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	769.32	249.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.18	
For 6" Overall Height Instead Of 4-5/8", Add	38.47	
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	812.58	270.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.72	
For 6" Overall Height Instead Of 4-5/8", Add	40.63	
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	862.83	282.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.73	
For 6" Overall Height Instead Of 4-5/8", Add	43.14	
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	917.80	311.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.85	
For 6" Overall Height Instead Of 4-5/8", Add	45.89	
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	987.40	345.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.95	
For 6" Overall Height Instead Of 4-5/8", Add	49.37	
26 05 36 00-1398 24" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1399 EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	993.86	249.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.63	
For 6" Overall Height Instead Of 4-5/8", Add	49.69	
26 05 36 00-1400 EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,018.49	259.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.24	
For 6" Overall Height Instead Of 4-5/8", Add	50.92	
26 05 36 00-1401 EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,044.60	270.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.92	
For 6" Overall Height Instead Of 4-5/8", Add	52.23	
26 05 36 00-1402 EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,105.37	296.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.83	
For 6" Overall Height Instead Of 4-5/8", Add	55.27	
26 05 36 00-1403 EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,144.84	311.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-88.55	
For 6" Overall Height Instead Of 4-5/8", Add	57.24	
26 05 36 00-1404 EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,216.93	345.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.91	
For 6" Overall Height Instead Of 4-5/8", Add	60.85	
26 05 36 00-1405 EA 36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,346.85	388.97
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-102.27	
For 6" Overall Height Instead Of 4-5/8", Add	67.34	
26 05 36 00-1406 36" Radius Vertical Tees (26 05 36 00-1293)		
26 05 36 00-1407 EA 6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,551.94	270.46
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-132.65	
For 6" Overall Height Instead Of 4-5/8", Add	77.60	
26 05 36 00-1408 EA 9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,586.55	282.65
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-135.10	
For 6" Overall Height Instead Of 4-5/8", Add	79.33	
26 05 36 00-1409 EA 12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,623.83	296.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-137.68	
For 6" Overall Height Instead Of 4-5/8", Add	81.19	
26 05 36 00-1410 EA 18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,689.72	327.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-141.69	
For 6" Overall Height Instead Of 4-5/8", Add	84.49	
26 05 36 00-1411 EA 24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,734.07	345.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-144.62	
For 6" Overall Height Instead Of 4-5/8", Add	86.70	
26 05 36 00-1412 EA 30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,849.50	388.97
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-152.54	
For 6" Overall Height Instead Of 4-5/8", Add	92.48	
26 05 36 00-1413 EA 36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,955.56	444.08
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-158.55	
For 6" Overall Height Instead Of 4-5/8", Add	97.78	
26 05 36 00-1414 12" Radius Horizontal Crosses (26 05 36 00-1293)		
26 05 36 00-1415 EA 6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	730.69	311.17
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.14	
For 6" Overall Height Instead Of 4-5/8", Add	36.53	
26 05 36 00-1416 EA 9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	780.21	327.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.74	
For 6" Overall Height Instead Of 4-5/8", Add	39.01	
26 05 36 00-1417 EA 12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	812.76	345.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.49	
For 6" Overall Height Instead Of 4-5/8", Add	40.64	
26 05 36 00-1418 EA 18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	897.34	366.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.21	
For 6" Overall Height Instead Of 4-5/8", Add	44.87	
26 05 36 00-1419 EA 24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	988.02	414.64
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.25	
For 6" Overall Height Instead Of 4-5/8", Add	49.40	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1420	EA 30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,089.34 -71.93 54.47		444.08	
26 05 36 00-1421	EA 36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,234.99 -83.58 61.75		479.08	
26 05 36 00-1422 24" Radius Horizontal Crosses (26 05 36 00-1293)					
26 05 36 00-1423	EA 6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	982.41 -69.45 49.12		345.40	
26 05 36 00-1424	EA 9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,029.57 -72.44 51.48		366.28	
26 05 36 00-1425	EA 12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,079.90 -75.58 54.00		388.97	
26 05 36 00-1426	EA 18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,145.20 -79.96 57.26		414.64	
26 05 36 00-1427	EA 24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,292.37 -89.32 64.62		479.08	
26 05 36 00-1428	EA 30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,393.30 -96.11 69.67		518.62	
26 05 36 00-1429	EA 36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,538.55 -106.74 76.93		565.30	
26 05 36 00-1430 36" Radius Horizontal Crosses (26 05 36 00-1293)					
26 05 36 00-1431	EA 6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,127.30 -80.32 56.37		388.97	
26 05 36 00-1432	EA 9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,190.11 -84.45 59.51		414.64	
26 05 36 00-1433	EA 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,268.97 -89.89 63.45		444.08	
26 05 36 00-1434	EA 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,362.23 -96.30 68.11		479.08	
26 05 36 00-1435	EA 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,640.84 -116.97 82.04		565.30	
26 05 36 00-1436	EA 30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,809.02 -129.12 90.45		621.31	
26 05 36 00-1437	EA 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,014.26 -143.75 100.71		692.11	
26 05 36 00-1438 12" Radius Vertical Crosses (26 05 36 00-1293)					
26 05 36 00-1439	EA 6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	730.69 -47.14 36.53		311.17	
26 05 36 00-1440	EA 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	780.40 -50.75 39.02		327.52	
26 05 36 00-1441	EA 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	812.66 -52.48 40.63		345.40	
26 05 36 00-1442	EA 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	897.57 -59.22 44.88		366.41	
26 05 36 00-1443	EA 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	988.02 -64.25 49.40		414.64	
26 05 36 00-1444	EA 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,089.68 -71.95 54.48		444.21	
26 05 36 00-1445	EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,234.01 -83.53 61.70		478.43	
26 05 36 00-1446 24" Radius Vertical Crosses (26 05 36 00-1293)					
26 05 36 00-1447	EA 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	982.41 -69.45 49.12		345.40	
26 05 36 00-1448	EA 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,029.57 -72.44 51.48		366.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1449	EA		12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,079.90 -75.58 54.00	388.97
26 05 36 00-1450	EA		18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,145.20 -79.96 57.26	414.64
26 05 36 00-1451	EA		24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,292.37 -89.32 64.62	479.08
26 05 36 00-1452	EA		30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,393.30 -96.11 69.67	518.62
26 05 36 00-1453	EA		36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,538.55 -106.74 76.93	565.30
26 05 36 00-1454 36" Radius Vertical Crosses (26 05 36 00-1293)					
26 05 36 00-1455	EA		6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,342.86 -101.87 67.14	388.97
26 05 36 00-1456	EA		9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,414.65 -106.91 70.73	414.64
26 05 36 00-1457	EA		12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,506.98 -113.70 75.35	444.08
26 05 36 00-1458	EA		18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,615.96 -121.68 80.80	479.08
26 05 36 00-1459	EA		24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,955.20 -148.41 97.76	565.30
26 05 36 00-1460	EA		30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,157.06 -163.93 107.85	621.31
26 05 36 00-1461	EA		36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2,401.59 -182.48 120.08	692.11
26 05 36 00-1462 Dropout Or End Plates And Reducers (26 05 36 00-0744)					
26 05 36 00-1463 Straight Reducers (26 05 36 00-1462)					
26 05 36 00-1464	EA		9" To 6" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	284.26 -20.45 14.21	95.69
26 05 36 00-1465	EA		12" To 9" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	300.21 -21.39 15.01	103.59
26 05 36 00-1466	EA		18" To 12" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	329.64 -23.00 16.48	119.55
26 05 36 00-1467	EA		24" To 18" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	363.61 -24.83 18.18	138.35
26 05 36 00-1468	EA		30" To 24" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	395.15 -26.55 19.76	155.59
26 05 36 00-1469	EA		36" To 30" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	440.44 -29.23 22.02	177.76
26 05 36 00-1470 Reducers (26 05 36 00-1462)					
26 05 36 00-1471	EA		18" To 6" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	329.76 -23.00 16.49	119.68
26 05 36 00-1472	EA		24" To 12" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	363.93 -24.85 18.20	138.48
26 05 36 00-1473	EA		30" To 12" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	394.94 -26.54 19.75	155.46
26 05 36 00-1474	EA		30" To 18" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	397.51 -26.81 19.88	155.33
26 05 36 00-1475	EA		36" To 12" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	437.67 -28.95 21.88	177.76
26 05 36 00-1476	EA		36" To 18" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	448.22 -29.62 22.41	182.43
26 05 36 00-1477	EA		36" To 24" Reducer, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	463.48 -30.66 23.17	188.26
26 05 36 00-1478 Dropout Or End Plate (26 05 36 00-1462)					

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 05 36 00-1479	EA	6" Dropout Or End Plate, Aluminum Cable Tray	81.31		38.90
26 05 36 00-1480	EA	9" Dropout Or End Plate, Aluminum Cable Tray	91.64		44.47
26 05 36 00-1481	EA	12" Dropout Or End Plate, Aluminum Cable Tray	98.86		47.84
26 05 36 00-1482	EA	18" Dropout Or End Plate, Aluminum Cable Tray	119.89		56.53
26 05 36 00-1483	EA	24" Dropout Or End Plate, Aluminum Cable Tray	133.80		62.24
26 05 36 00-1484	EA	30" Dropout Or End Plate, Aluminum Cable Tray	151.03		69.10
26 05 36 00-1485	EA	36" Dropout Or End Plate, Aluminum Cable Tray	169.44		77.79
26 05 36 00-1486 Solid Bottom Cable Tray (26 05 36 00-0001)					
Note: 3-5/8" Height.					
26 05 36 00-1487 Solid Bottom Galvanized Steel Straight Tray Sections (26 05 36 00-1486)					
26 05 36 00-1488	LF	6" Solid Bottom Steel Cable Tray, Straight Section	33.41		10.11
For 4-5/8" Overall Height Instead Of 3-5/8", Add			3.31		
26 05 36 00-1489	LF	12" Solid Bottom Steel Cable Tray, Straight Section	41.63		12.45
For 4-5/8" Overall Height Instead Of 3-5/8", Add			4.17		
26 05 36 00-1490	LF	18" Solid Bottom Steel Cable Tray, Straight Section	55.51		17.90
For 4-5/8" Overall Height Instead Of 3-5/8", Add			5.34		
26 05 36 00-1491	LF	24" Solid Bottom Steel Cable Tray, Straight Section	64.23		20.48
For 4-5/8" Overall Height Instead Of 3-5/8", Add			6.21		
26 05 36 00-1492	LF	30" Solid Bottom Steel Cable Tray, Straight Section	76.97		24.76
For 4-5/8" Overall Height Instead Of 3-5/8", Add			7.41		
26 05 36 00-1493	LF	36" Solid Bottom Steel Cable Tray, Straight Section	98.36		28.40
For 4-5/8" Overall Height Instead Of 3-5/8", Add			10.03		
26 05 36 00-1494 Solid Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-1486)					
26 05 36 00-1495 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)					
26 05 36 00-1496	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	340.80		129.79
For 4-5/8" Overall Height Instead Of 3-5/8", Add			29.50		
26 05 36 00-1497	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	443.87		182.56
For 4-5/8" Overall Height Instead Of 3-5/8", Add			36.14		
26 05 36 00-1498	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	543.49		230.40
For 4-5/8" Overall Height Instead Of 3-5/8", Add			43.12		
26 05 36 00-1499	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	666.14		283.04
For 4-5/8" Overall Height Instead Of 3-5/8", Add			52.74		
26 05 36 00-1500	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	778.29		328.03
For 4-5/8" Overall Height Instead Of 3-5/8", Add			62.08		
26 05 36 00-1501	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	874.50		366.28
For 4-5/8" Overall Height Instead Of 3-5/8", Add			70.13		
26 05 36 00-1502 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1494)					
26 05 36 00-1503	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	402.13		135.10
For 4-5/8" Overall Height Instead Of 3-5/8", Add			37.79		
26 05 36 00-1504	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	531.24		194.61
For 4-5/8" Overall Height Instead Of 3-5/8", Add			47.24		
26 05 36 00-1505	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	654.19		249.07
For 4-5/8" Overall Height Instead Of 3-5/8", Add			56.62		
26 05 36 00-1506	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	797.63		311.17
For 4-5/8" Overall Height Instead Of 3-5/8", Add			67.78		
26 05 36 00-1507	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	935.63		365.64
For 4-5/8" Overall Height Instead Of 3-5/8", Add			79.42		
26 05 36 00-1508	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	1,057.33		414.64
For 4-5/8" Overall Height Instead Of 3-5/8", Add			89.49		
26 05 36 00-1509 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1494)					
26 05 36 00-1510	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	494.31		141.19
For 4-5/8" Overall Height Instead Of 3-5/8", Add			50.62		
26 05 36 00-1511	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	637.78		207.84
For 4-5/8" Overall Height Instead Of 3-5/8", Add			61.04		
26 05 36 00-1512	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	807.69		270.85
For 4-5/8" Overall Height Instead Of 3-5/8", Add			76.01		
26 05 36 00-1513	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	961.87		345.40
For 4-5/8" Overall Height Instead Of 3-5/8", Add			86.71		
26 05 36 00-1514	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,154.49		414.64
For 4-5/8" Overall Height Instead Of 3-5/8", Add			104.06		
26 05 36 00-1515	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,317.08		477.79
For 4-5/8" Overall Height Instead Of 3-5/8", Add			117.92		
26 05 36 00-1516 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1494)					
26 05 36 00-1517	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	309.81		129.79
For 4-5/8" Overall Height Instead Of 3-5/8", Add			24.83		
26 05 36 00-1518	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	408.99		182.56
For 4-5/8" Overall Height Instead Of 3-5/8", Add			30.91		
26 05 36 00-1519	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	503.18		230.14
For 4-5/8" Overall Height Instead Of 3-5/8", Add			37.12		
26 05 36 00-1520	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	616.86		282.65
For 4-5/8" Overall Height Instead Of 3-5/8", Add			45.42		
26 05 36 00-1521	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	720.37		328.03
For 4-5/8" Overall Height Instead Of 3-5/8", Add			53.39		
26 05 36 00-1522	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	807.34		365.64
For 4-5/8" Overall Height Instead Of 3-5/8", Add			60.17		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1524 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	358.08	135.23
For 4-5/8" Overall Height Instead Of 3-5/8", Add	31.17	
26 05 36 00-1525 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	479.22	194.48
For 4-5/8" Overall Height Instead Of 3-5/8", Add	39.47	
26 05 36 00-1526 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	594.93	249.33
For 4-5/8" Overall Height Instead Of 3-5/8", Add	47.68	
26 05 36 00-1527 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	727.88	311.17
For 4-5/8" Overall Height Instead Of 3-5/8", Add	57.32	
26 05 36 00-1528 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	855.19	366.28
For 4-5/8" Overall Height Instead Of 3-5/8", Add	67.24	
26 05 36 00-1529 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	965.78	414.64
For 4-5/8" Overall Height Instead Of 3-5/8", Add	75.75	
26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1494)		
26 05 36 00-1531 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	429.88	141.32
For 4-5/8" Overall Height Instead Of 3-5/8", Add	40.93	
26 05 36 00-1532 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	532.69	188.39
For 4-5/8" Overall Height Instead Of 3-5/8", Add	48.49	
26 05 36 00-1533 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	718.63	270.85
For 4-5/8" Overall Height Instead Of 3-5/8", Add	62.65	
26 05 36 00-1534 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	866.36	346.06
For 4-5/8" Overall Height Instead Of 3-5/8", Add	72.28	
26 05 36 00-1535 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,038.65	414.64
For 4-5/8" Overall Height Instead Of 3-5/8", Add	86.68	
26 05 36 00-1536 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,188.87	479.08
For 4-5/8" Overall Height Instead Of 3-5/8", Add	98.49	
26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1494)		
26 05 36 00-1538 EA 6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	367.63	129.40
For 4-5/8" Overall Height Instead Of 3-5/8", Add	33.58	
26 05 36 00-1539 EA 12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	463.80	182.56
For 4-5/8" Overall Height Instead Of 3-5/8", Add	39.13	
26 05 36 00-1540 EA 18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	545.98	230.40
For 4-5/8" Overall Height Instead Of 3-5/8", Add	43.49	
26 05 36 00-1541 EA 24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	661.16	283.04
For 4-5/8" Overall Height Instead Of 3-5/8", Add	51.99	
26 05 36 00-1542 EA 30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	748.40	328.03
For 4-5/8" Overall Height Instead Of 3-5/8", Add	57.60	
26 05 36 00-1543 EA 36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	818.55	365.64
For 4-5/8" Overall Height Instead Of 3-5/8", Add	61.85	
26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1494)		
26 05 36 00-1545 EA 6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	439.50	135.10
For 4-5/8" Overall Height Instead Of 3-5/8", Add	43.40	
26 05 36 00-1546 EA 12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	558.64	194.61
For 4-5/8" Overall Height Instead Of 3-5/8", Add	51.35	
26 05 36 00-1547 EA 18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	669.14	249.07
For 4-5/8" Overall Height Instead Of 3-5/8", Add	58.87	
26 05 36 00-1548 EA 24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	795.14	311.17
For 4-5/8" Overall Height Instead Of 3-5/8", Add	67.41	
26 05 36 00-1549 EA 30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	900.76	365.64
For 4-5/8" Overall Height Instead Of 3-5/8", Add	74.19	
26 05 36 00-1550 EA 36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	1,010.00	414.64
For 4-5/8" Overall Height Instead Of 3-5/8", Add	82.39	
26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1494)		
26 05 36 00-1552 EA 6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	526.70	141.19
For 4-5/8" Overall Height Instead Of 3-5/8", Add	55.48	
26 05 36 00-1553 EA 12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	641.04	188.78
For 4-5/8" Overall Height Instead Of 3-5/8", Add	64.69	
26 05 36 00-1554 EA 18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	807.69	270.85
For 4-5/8" Overall Height Instead Of 3-5/8", Add	76.01	
26 05 36 00-1555 EA 24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	966.86	345.40
For 4-5/8" Overall Height Instead Of 3-5/8", Add	87.46	
26 05 36 00-1556 EA 30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,117.12	414.64
For 4-5/8" Overall Height Instead Of 3-5/8", Add	98.46	
26 05 36 00-1557 EA 36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,259.78	477.79
For 4-5/8" Overall Height Instead Of 3-5/8", Add	109.33	
26 05 36 00-1558 12" Radius Horizontal Tees (26 05 36 00-1494)		
26 05 36 00-1559 EA 6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	589.42	249.07
For 4-5/8" Overall Height Instead Of 3-5/8", Add	46.91	
26 05 36 00-1560 EA 12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	707.13	310.66
For 4-5/8" Overall Height Instead Of 3-5/8", Add	54.29	
26 05 36 00-1561 EA 18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	834.64	366.28
For 4-5/8" Overall Height Instead Of 3-5/8", Add	64.15	
26 05 36 00-1562 EA 24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	993.35	444.98
For 4-5/8" Overall Height Instead Of 3-5/8", Add	74.83	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 05 36 00-1563	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,084.87	479.08	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	82.89		
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,271.11	565.30	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	96.44		
26 05 36 00-1565 24" Radius Horizontal Tees (26 05 36 00-1494)					
26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	722.36	270.46	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.27		
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	892.12	345.40	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	76.24		
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,042.39	414.64	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	87.25		
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,340.20	518.62	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	114.59		
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,460.44	565.30	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	124.84		
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,714.04	692.11	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	141.75		
26 05 36 00-1572 36" Radius Horizontal Tees (26 05 36 00-1494)					
26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	920.11	296.52	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	88.60		
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,124.10	388.97	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	103.79		
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,316.55	479.08	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	117.64		
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,607.42	565.30	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	146.89		
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,761.36	623.39	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	160.31		
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	2,043.92	777.94	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	176.93		
26 05 36 00-1579 12" Radius Vertical Tees (26 05 36 00-1494)					
26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	701.53	249.07	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.73		
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	817.56	311.17	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.77		
26 05 36 00-1582	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	879.66	345.40	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	74.38		
26 05 36 00-1583	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	943.11	365.64	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	80.54		
26 05 36 00-1584	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,047.37	414.64	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	87.99		
26 05 36 00-1585	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,167.07	479.08	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	95.22		
26 05 36 00-1586 24" Radius Vertical Tees (26 05 36 00-1494)					
26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	874.32	270.46	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	86.07		
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,019.17	345.40	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	95.30		
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,114.13	388.97	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	102.29		
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,179.40	414.64	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	107.80		
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,333.98	479.08	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	120.26		
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,502.79	565.30	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	131.19		
26 05 36 00-1593 36" Radius Vertical Tees (26 05 36 00-1494)					
26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,153.53	296.00	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	123.69		
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,320.90	388.97	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	133.31		
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,462.49	444.08	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	145.37		
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,545.73	479.08	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	152.02		
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,814.18	565.30	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	177.90		
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,957.34	621.31	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	190.04		
26 05 36 00-1600 12" Radius Horizontal Crosses (26 05 36 00-1494)					
26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	727.88	311.17	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	57.32		
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	837.13	366.28	
		<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	64.53		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1603	EA		18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,006.61 76.99	444.08
26 05 36 00-1604	EA		24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,163.32 88.06	518.62
26 05 36 00-1605	EA		30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,369.42 101.85	621.31
26 05 36 00-1606	EA		36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,519.72 112.61	692.11
26 05 36 00-1607 24" Radius Horizontal Crosses (26 05 36 00-1494)					
26 05 36 00-1608	EA		6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	957.91 86.01	346.06
26 05 36 00-1609	EA		12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,117.12 98.46	414.64
26 05 36 00-1610	EA		18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,340.20 114.59	518.62
26 05 36 00-1611	EA		24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,649.26 143.50	623.39
26 05 36 00-1612	EA		30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,813.68 156.70	692.11
26 05 36 00-1613	EA		36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,994.10 169.46	777.94
26 05 36 00-1614 36" Radius Horizontal Crosses (26 05 36 00-1494)					
26 05 36 00-1615	EA		6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,271.08 125.83	388.97
26 05 36 00-1616	EA		12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,483.45 142.68	479.08
26 05 36 00-1617	EA		18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,786.27 164.05	623.39
26 05 36 00-1618	EA		24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,037.89 190.33	692.11
26 05 36 00-1619	EA		30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,255.67 208.69	777.94
26 05 36 00-1620	EA		36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,501.48 227.21	888.02
26 05 36 00-1621 Straight Reducers (26 05 36 00-1494)					
26 05 36 00-1622	EA		12" To 6" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	294.95 26.95	103.72
26 05 36 00-1623	EA		18" To 12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	319.94 28.45	117.21
26 05 36 00-1624	EA		24" To 18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	354.64 30.69	135.10
26 05 36 00-1625	EA		30" To 24" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	398.83 33.89	155.59
26 05 36 00-1626	EA		36" To 30" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	432.10 36.05	172.58
26 05 36 00-1627 Reducers (26 05 36 00-1494)					
26 05 36 00-1628	EA		18" To 6" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	320.06 28.46	117.34
26 05 36 00-1629	EA		24" To 12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	352.62 30.34	135.36
26 05 36 00-1630	EA		30" To 12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	393.63 33.13	155.46
26 05 36 00-1631	EA		30" To 18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	395.91 33.50	155.33
26 05 36 00-1632	EA		36" To 12" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	429.61 35.68	172.58
26 05 36 00-1633	EA		36" To 18" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	432.10 36.05	172.58
26 05 36 00-1634	EA		36" To 24" Reducer, Solid Bottom, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	435.11 36.45	172.84
26 05 36 00-1635 Dropout Or End Plate (26 05 36 00-1494)					
26 05 36 00-1636	EA		6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	90.23	38.90
26 05 36 00-1637	EA		12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	110.73	47.46
26 05 36 00-1638	EA		18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	127.75	56.27
26 05 36 00-1639	EA		24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	143.70	62.24
26 05 36 00-1640	EA		30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	159.99	69.10
26 05 36 00-1641	EA		36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	177.62	77.79
26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections (26 05 36 00-1486)					
26 05 36 00-1643	LF		6" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.59 3.07	8.17
26 05 36 00-1644	LF		12" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.87 3.94	9.59
26 05 36 00-1645	LF		18" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.12 4.98	12.45

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-1646	LF 24" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	56.00 6.12		13.75	
26 05 36 00-1647	LF 30" Solid Bottom Aluminum Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.70 7.35		17.77	
26 05 36 00-1648	LF 36" Solid Bottom Steel Aluminum Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	81.61 8.99		19.45	
26 05 36 00-1649	Solid Bottom Aluminum Cable Tray Fittings (26 05 36 00-1486)				
26 05 36 00-1650	90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1651	EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	344.59 30.06		129.79	
26 05 36 00-1652	EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	416.78 35.28		163.37	
26 05 36 00-1653	EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	481.41 41.72		182.95	
26 05 36 00-1654	EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	560.72 48.29		214.84	
26 05 36 00-1655	EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	662.25 57.78		249.33	
26 05 36 00-1656	EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	748.59 65.11		283.04	
26 05 36 00-1657	90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1658	EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	407.76 38.64		135.10	
26 05 36 00-1659	EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	504.98 46.91		173.09	
26 05 36 00-1660	EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	570.82 53.21		194.48	
26 05 36 00-1661	EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	688.88 64.93		230.40	
26 05 36 00-1662	EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	799.16 74.85		270.08	
26 05 36 00-1663	EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	919.72 86.10		311.17	
26 05 36 00-1664	90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1665	EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	505.97 52.37		141.19	
26 05 36 00-1666	EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	630.39 64.01		183.34	
26 05 36 00-1667	EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	731.36 75.07		207.84	
26 05 36 00-1668	EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	827.64 82.70		248.68	
26 05 36 00-1669	EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	961.40 94.80		296.52	
26 05 36 00-1670	EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,122.22 110.86		344.88	
26 05 36 00-1671	45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1672	EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	316.50 25.84		129.79	
26 05 36 00-1673	EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	385.01 30.51		163.37	
26 05 36 00-1674	EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	442.30 35.88		182.82	
26 05 36 00-1675	EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	515.37 41.57		214.45	
26 05 36 00-1676	EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	607.98 49.64		249.33	
26 05 36 00-1677	EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	686.32 55.90		282.26	
26 05 36 00-1678	45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1649)				
26 05 36 00-1679	EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	367.77 32.62		135.23	
26 05 36 00-1680	EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	457.07 39.75		172.84	
26 05 36 00-1681	EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	517.20 45.10		194.87	
26 05 36 00-1682	EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	621.82 54.87		230.40	
26 05 36 00-1683	EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	723.64 63.40		270.85	
26 05 36 00-1684	EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	831.48 72.86		311.17	
26 05 36 00-1685	45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1649)				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1686	EA		6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	446.75	141.32
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	43.46	
26 05 36 00-1687	EA		12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	558.34	182.95
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	53.26	
26 05 36 00-1688	EA		18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	646.65	207.84
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	62.37	
26 05 36 00-1689	EA		24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	737.81	249.33
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	69.11	
26 05 36 00-1690	EA		30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	858.60	296.52
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	79.38	
26 05 36 00-1691	EA		36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,003.81	346.06
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	92.90	
26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1649)					
26 05 36 00-1693	EA		6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	368.09	129.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	33.65	
26 05 36 00-1694	EA		12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	430.81	163.37
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	37.38	
26 05 36 00-1695	EA		18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	483.42	182.95
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	42.02	
26 05 36 00-1696	EA		24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	546.69	214.84
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	46.19	
26 05 36 00-1697	EA		30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	616.12	249.33
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	50.86	
26 05 36 00-1698	EA		36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	677.02	282.26
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	54.51	
26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1649)					
26 05 36 00-1700	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	441.85	135.10
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	43.75	
26 05 36 00-1701	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	523.03	173.09
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	49.62	
26 05 36 00-1702	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	576.83	194.48
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	54.11	
26 05 36 00-1703	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	658.80	230.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	60.42	
26 05 36 00-1704	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	741.00	270.08
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	66.13	
26 05 36 00-1705	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	839.50	311.17
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	74.06	
26 05 36 00-1706 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1649)					
26 05 36 00-1707	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	520.01	141.19
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	54.48	
26 05 36 00-1708	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	626.38	183.34
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	63.41	
26 05 36 00-1709	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	695.27	207.84
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	69.66	
26 05 36 00-1710	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	777.50	248.68
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	75.17	
26 05 36 00-1711	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	895.22	296.52
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	84.87	
26 05 36 00-1712	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	991.86	344.88
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	91.31	
26 05 36 00-1713 12" Radius Horizontal Tees (26 05 36 00-1649)					
26 05 36 00-1714	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	613.58	249.07
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	50.53	
26 05 36 00-1715	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	711.11	282.26
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	59.62	
26 05 36 00-1716	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	789.36	311.17
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	66.54	
26 05 36 00-1717	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	879.59	346.06
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	74.26	
26 05 36 00-1718	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,040.09	414.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	86.90	
26 05 36 00-1719	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,265.48	518.62
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	103.38	
26 05 36 00-1720 24" Radius Horizontal Tees (26 05 36 00-1649)					
26 05 36 00-1721	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	777.71	270.46
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	71.57	
26 05 36 00-1722	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	887.63	311.17
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	81.28	
26 05 36 00-1723	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	992.88	345.40
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	91.36	
26 05 36 00-1724	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,202.53	414.64
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	111.27	
26 05 36 00-1725	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,445.97	518.62
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	130.46	
26 05 36 00-1726	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,596.80	566.99
			For 4-5/8" Overall Height Instead Of 3-5/8", Add	145.02	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-1727 36" Radius Horizontal Tees (26 05 36 00-1649)			
26 05 36 00-1728	EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,025.57	296.52
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	104.42	
26 05 36 00-1729	EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,157.33	345.40
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	116.03	
26 05 36 00-1730	EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,320.12	388.97
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	133.19	
26 05 36 00-1731	EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,578.56	477.79
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	157.14	
26 05 36 00-1732	EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,901.28	623.39
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	181.30	
26 05 36 00-1733	EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,116.16	692.11
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	202.07	
26 05 36 00-1734 12" Radius Vertical Tees (26 05 36 00-1649)			
26 05 36 00-1735	EA 6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	697.81	249.07
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	63.17	
26 05 36 00-1736	EA 12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	759.92	282.65
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	66.88	
26 05 36 00-1737	EA 18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	794.19	296.00
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	69.79	
26 05 36 00-1738	EA 24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	838.68	310.66
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	74.02	
26 05 36 00-1739	EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	924.70	345.40
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	81.13	
26 05 36 00-1740	EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,060.14	414.64
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	89.91	
26 05 36 00-1741 24" Radius Vertical Tees (26 05 36 00-1649)			
26 05 36 00-1742	EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	867.96	270.46
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	85.11	
26 05 36 00-1743	EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	959.83	311.17
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	92.11	
26 05 36 00-1744	EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,016.98	327.39
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	97.98	
26 05 36 00-1745	EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,087.14	345.40
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	105.50	
26 05 36 00-1746	EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,209.82	388.97
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	116.65	
26 05 36 00-1747	EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,388.04	477.79
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	128.56	
26 05 36 00-1748 36" Radius Vertical Tees (26 05 36 00-1649)			
26 05 36 00-1749	EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,145.15	296.00
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	122.44	
26 05 36 00-1750	EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,250.54	341.26
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	130.71	
26 05 36 00-1751	EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,331.27	365.64
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	138.76	
26 05 36 00-1752	EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,390.31	388.97
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	143.72	
26 05 36 00-1753	EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,542.25	444.08
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	157.33	
26 05 36 00-1754	EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,030.51	565.30
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	60.35	
26 05 36 00-1755 12" Radius Horizontal Crosses (26 05 36 00-1649)			
26 05 36 00-1756	EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	723.82	282.65
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	61.46	
26 05 36 00-1757	EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	803.40	311.17
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	68.65	
26 05 36 00-1758	EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	934.18	365.64
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	79.20	
26 05 36 00-1759	EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,109.06	444.08
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	92.35	
26 05 36 00-1760	EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,213.56	477.79
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	102.39	
26 05 36 00-1761	EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,406.28	566.99
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	116.44	
26 05 36 00-1762 24" Radius Horizontal Crosses (26 05 36 00-1649)			
26 05 36 00-1763	EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	960.66	311.69
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	92.15	
26 05 36 00-1764	EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,087.14	345.40
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	105.50	
26 05 36 00-1765	EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,246.65	414.64
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	117.88	
26 05 36 00-1766	EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,538.53	520.05
	For 4-5/8" Overall Height Instead Of 3-5/8", Add	144.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1767	EA		30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,687.05 158.56	566.99
26 05 36 00-1768	EA		36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,925.63 173.49	692.11
26 05 36 00-1769 36" Radius Horizontal Crosses (26 05 36 00-1649)					
26 05 36 00-1770	EA		6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,327.80 141.60	345.40
26 05 36 00-1771	EA		12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,460.50 154.25	388.97
26 05 36 00-1772	EA		18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,700.85 175.29	479.08
26 05 36 00-1773	EA		24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,021.61 199.35	623.39
26 05 36 00-1774	EA		30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,216.43 217.11	692.11
26 05 36 00-1775	EA		36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2,539.97 251.34	777.94
26 05 36 00-1776 Straight Reducers (26 05 36 00-1649)					
26 05 36 00-1777	EA		12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	272.62 26.07	88.94
26 05 36 00-1778	EA		18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	300.95 27.88	103.59
26 05 36 00-1779	EA		24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	331.75 30.22	117.21
26 05 36 00-1780	EA		30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	373.83 33.53	135.23
26 05 36 00-1781	EA		36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	415.33 36.41	155.33
26 05 36 00-1782 Reducers (26 05 36 00-1649)					
26 05 36 00-1783	EA		18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	299.04 27.59	103.59
26 05 36 00-1784	EA		24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	330.10 29.94	117.47
26 05 36 00-1785	EA		30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	369.66 32.92	135.10
26 05 36 00-1786	EA		30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	371.50 33.22	135.10
26 05 36 00-1787	EA		36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	415.33 36.41	155.33
26 05 36 00-1788	EA		36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	417.33 36.71	155.33
26 05 36 00-1789	EA		36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	421.76 37.33	155.59
26 05 36 00-1790 Dropout Or End Plate (26 05 36 00-1649)					
26 05 36 00-1791	EA		6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	90.19	38.90
26 05 36 00-1792	EA		12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	107.77	47.46
26 05 36 00-1793	EA		18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	128.16	56.27
26 05 36 00-1794	EA		24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	141.52	62.24
26 05 36 00-1795	EA		30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	159.27	69.10
26 05 36 00-1796	EA		36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray.....	180.80	77.79
26 05 36 00-1797 Vented Bottom Cable Tray (26 05 36 00-0001)					
Note: 6" Height.					
26 05 36 00-1798 Vented Bottom Galvanized Steel Cable Tray (26 05 36 00-1797)					
26 05 36 00-1799	LF		6" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	42.97 -3.16	13.62
26 05 36 00-1800	LF		12" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	50.56 -3.76	15.56
26 05 36 00-1801	LF		18" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	59.54 -4.46	17.90
26 05 36 00-1802	LF		24" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	68.33 -5.12	20.48
26 05 36 00-1803	LF		30" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	90.25 -6.96	24.76
26 05 36 00-1804	LF		36" Vented Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	106.70 -8.07	31.11
26 05 36 00-1805 Vented Bottom Galvanized Steel Cable Tray Fittings (26 05 36 00-1797)					
26 05 36 00-1806 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1805)					
26 05 36 00-1807	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	397.66 -26.11	163.89
26 05 36 00-1808	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	517.48 -33.27	221.71
26 05 36 00-1809	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	641.13 -40.56	282.65

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 05 36 00-1810	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	786.35		346.06
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.80		
26 05 36 00-1811	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	887.11		389.75
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.23		
26 05 36 00-1812	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	1,016.53		444.98
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.57		
26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1805)					
26 05 36 00-1814	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	471.83		172.71
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-32.79		
26 05 36 00-1815	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	611.10		239.47
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.15		
26 05 36 00-1816	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	774.78		311.17
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.55		
26 05 36 00-1817	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	937.04		388.97
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-61.29		
26 05 36 00-1818	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,002.72		401.81
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.79		
26 05 36 00-1819	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,250.95		518.62
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-81.88		
26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1805)					
26 05 36 00-1821	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	579.15		182.56
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.70		
26 05 36 00-1822	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	747.14		259.71
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.08		
26 05 36 00-1823	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	954.02		346.06
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.56		
26 05 36 00-1824	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,138.27		444.08
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.82		
26 05 36 00-1825	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,311.50		518.62
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-87.93		
26 05 36 00-1826	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,533.95		621.31
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-101.62		
26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1805)					
26 05 36 00-1828	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	370.48		164.02
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.38		
26 05 36 00-1829	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	484.94		221.71
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.01		
26 05 36 00-1830	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	603.05		282.26
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.78		
26 05 36 00-1831	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	739.22		345.40
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.14		
26 05 36 00-1832	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	834.86		389.75
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.01		
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	954.39		444.08
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.44		
26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1805)					
26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	431.63		172.84
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.76		
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	564.47		239.47
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.49		
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	719.26		311.69
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.95		
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	873.52		388.97
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-54.94		
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,001.49		444.98
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.06		
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,165.91		518.62
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.37		
26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1805)					
26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	519.27		182.95
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.68		
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	676.83		258.93
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.10		
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	871.02		346.06
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-58.26		
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,052.35		444.98
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.15		
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,213.13		518.62
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-78.09		
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,427.63		623.39
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-90.82		
26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1805)					
26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	433.06		163.37
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.69		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1850	EA	12"	Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	548.91 -36.41	221.71
26 05 36 00-1851	EA	18"	Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	652.77 -41.72	282.65
26 05 36 00-1852	EA	24"	Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	784.02 -49.56	346.06
26 05 36 00-1853	EA	30"	Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	861.50 -53.67	389.75
26 05 36 00-1854	EA	36"	Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	963.61 -59.36	444.08
26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers (26 05 36 00-1805)					
26 05 36 00-1856	EA	6"	Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	518.41 -37.45	172.71
26 05 36 00-1857	EA	12"	Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	643.70 -44.41	239.47
26 05 36 00-1858	EA	18"	Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	788.75 -52.94	311.17
26 05 36 00-1859	EA	24"	Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	927.73 -60.36	388.97
26 05 36 00-1860	EA	30"	Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,054.43 -68.44	444.08
26 05 36 00-1861	EA	36"	Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,192.73 -76.05	518.62
26 05 36 00-1862 90 Degree, 36" Radius Vertical Risers (26 05 36 00-1805)					
26 05 36 00-1863	EA	6"	Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	616.41 -46.42	182.56
26 05 36 00-1864	EA	12"	Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	763.44 -54.71	259.71
26 05 36 00-1865	EA	18"	Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	944.70 -65.63	346.06
26 05 36 00-1866	EA	24"	Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,133.61 -76.36	444.08
26 05 36 00-1867	EA	30"	Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,267.25 -83.51	518.62
26 05 36 00-1868	EA	36"	Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,482.72 -96.49	621.31
26 05 36 00-1869 12" Radius Horizontal Tees (26 05 36 00-1805)					
26 05 36 00-1870	EA	6"	Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	707.25 -44.79	311.17
26 05 36 00-1871	EA	12"	Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	856.58 -53.31	388.19
26 05 36 00-1872	EA	18"	Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	979.27 -60.84	444.98
26 05 36 00-1873	EA	24"	Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,139.17 -70.70	518.62
26 05 36 00-1874	EA	30"	Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,256.65 -78.55	565.30
26 05 36 00-1875	EA	36"	Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,380.25 -86.25	621.31
26 05 36 00-1876 24" Radius Horizontal Tees (26 05 36 00-1805)					
26 05 36 00-1877	EA	6"	Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	887.79 -59.99	345.40
26 05 36 00-1878	EA	12"	Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,080.05 -71.00	444.08
26 05 36 00-1879	EA	18"	Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,243.97 -81.18	518.62
26 05 36 00-1880	EA	24"	Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,529.29 -101.15	621.31
26 05 36 00-1881	EA	30"	Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,689.13 -111.24	692.11
26 05 36 00-1882	EA	36"	Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,888.07 -123.98	777.94
26 05 36 00-1883 36" Radius Horizontal Tees (26 05 36 00-1805)					
26 05 36 00-1884	EA	6"	Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,095.40 -77.13	388.97
26 05 36 00-1885	EA	12"	Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,374.38 -94.22	518.62
26 05 36 00-1886	EA	18"	Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,595.49 -107.60	623.39
26 05 36 00-1887	EA	24"	Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,967.25 -131.90	777.94
26 05 36 00-1888	EA	30"	Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,197.15 -145.37	892.16
26 05 36 00-1889	EA	36"	Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,562.50 -170.04	1,034.53

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-1890 12" Radius Vertical Tees (26 05 36 00-1805)				
26 05 36 00-1891	EA 6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	833.00		311.17
	For 4-5/8" Overall Height Instead Of 6", Deduct	-57.37		
26 05 36 00-1892	EA 12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	967.32		388.97
	For 4-5/8" Overall Height Instead Of 6", Deduct	-64.32		
26 05 36 00-1893	EA 18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,017.15		414.64
	For 4-5/8" Overall Height Instead Of 6", Deduct	-67.16		
26 05 36 00-1894	EA 24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,084.70		444.08
	For 4-5/8" Overall Height Instead Of 6", Deduct	-71.47		
26 05 36 00-1895	EA 30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,163.99		479.08
	For 4-5/8" Overall Height Instead Of 6", Deduct	-76.48		
26 05 36 00-1896	EA 36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,314.87		565.30
	For 4-5/8" Overall Height Instead Of 6", Deduct	-84.37		
26 05 36 00-1897 24" Radius Vertical Tees (26 05 36 00-1805)				
26 05 36 00-1898	EA 6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	997.24		345.40
	For 4-5/8" Overall Height Instead Of 6", Deduct	-70.94		
26 05 36 00-1899	EA 12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,182.51		444.08
	For 4-5/8" Overall Height Instead Of 6", Deduct	-81.25		
26 05 36 00-1900	EA 18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,261.80		479.08
	For 4-5/8" Overall Height Instead Of 6", Deduct	-86.26		
26 05 36 00-1901	EA 24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,362.73		518.62
	For 4-5/8" Overall Height Instead Of 6", Deduct	-93.05		
26 05 36 00-1902	EA 30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,466.24		565.30
	For 4-5/8" Overall Height Instead Of 6", Deduct	-99.51		
26 05 36 00-1903	EA 36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,721.73		692.11
	For 4-5/8" Overall Height Instead Of 6", Deduct	-114.50		
26 05 36 00-1904 36" Radius Vertical Tees (26 05 36 00-1805)				
26 05 36 00-1905	EA 6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,317.67		388.19
	For 4-5/8" Overall Height Instead Of 6", Deduct	-99.42		
26 05 36 00-1906	EA 12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,551.36		518.62
	For 4-5/8" Overall Height Instead Of 6", Deduct	-111.92		
26 05 36 00-1907	EA 18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,652.54		565.30
	For 4-5/8" Overall Height Instead Of 6", Deduct	-118.14		
26 05 36 00-1908	EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,795.76		623.39
	For 4-5/8" Overall Height Instead Of 6", Deduct	-127.63		
26 05 36 00-1909	EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,026.80		692.11
	For 4-5/8" Overall Height Instead Of 6", Deduct	-145.00		
26 05 36 00-1910	EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,365.02		888.02
	For 4-5/8" Overall Height Instead Of 6", Deduct	-162.50		
26 05 36 00-1911 12" Radius Horizontal Crosses (26 05 36 00-1805)				
26 05 36 00-1912	EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	890.47		388.97
	For 4-5/8" Overall Height Instead Of 6", Deduct	-56.63		
26 05 36 00-1913	EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	986.26		444.98
	For 4-5/8" Overall Height Instead Of 6", Deduct	-61.54		
26 05 36 00-1914	EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,136.84		518.62
	For 4-5/8" Overall Height Instead Of 6", Deduct	-70.47		
26 05 36 00-1915	EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,322.04		621.31
	For 4-5/8" Overall Height Instead Of 6", Deduct	-80.42		
26 05 36 00-1916	EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,470.81		689.65
	For 4-5/8" Overall Height Instead Of 6", Deduct	-89.61		
26 05 36 00-1917	EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	1,657.53		777.94
	For 4-5/8" Overall Height Instead Of 6", Deduct	-100.92		
26 05 36 00-1918 24" Radius Horizontal Crosses (26 05 36 00-1805)				
26 05 36 00-1919	EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,121.33		444.98
	For 4-5/8" Overall Height Instead Of 6", Deduct	-75.05		
26 05 36 00-1920	EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,262.60		518.62
	For 4-5/8" Overall Height Instead Of 6", Deduct	-83.04		
26 05 36 00-1921	EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,473.40		621.31
	For 4-5/8" Overall Height Instead Of 6", Deduct	-95.56		
26 05 36 00-1922	EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,853.14		777.94
	For 4-5/8" Overall Height Instead Of 6", Deduct	-120.49		
26 05 36 00-1923	EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	2,094.89		888.02
	For 4-5/8" Overall Height Instead Of 6", Deduct	-135.48		
26 05 36 00-1924	EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	2,376.20		1,034.53
	For 4-5/8" Overall Height Instead Of 6", Deduct	-151.41		
26 05 36 00-1925 36" Radius Horizontal Crosses (26 05 36 00-1805)				
26 05 36 00-1926	EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,504.78		518.62
	For 4-5/8" Overall Height Instead Of 6", Deduct	-107.26		
26 05 36 00-1927	EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,711.93		623.39
	For 4-5/8" Overall Height Instead Of 6", Deduct	-119.25		
26 05 36 00-1928	EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,983.55		777.94
	For 4-5/8" Overall Height Instead Of 6", Deduct	-133.53		
26 05 36 00-1929	EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,560.07		1,039.98
	For 4-5/8" Overall Height Instead Of 6", Deduct	-169.34		
26 05 36 00-1930	EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,986.04		1,246.65
	For 4-5/8" Overall Height Instead Of 6", Deduct	-194.71		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1931	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	3,571.20 -227.46	1,555.88
26 05 36 00-1932 Straight Reducers (26 05 36 00-1805)				
26 05 36 00-1933	EA	12" To 6" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	338.41 -22.80	132.51
26 05 36 00-1934	EA	18" To 12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	368.94 -24.56	148.07
26 05 36 00-1935	EA	24" To 18" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	418.02 -27.42	172.58
26 05 36 00-1936	EA	30" To 24" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	459.21 -29.71	194.48
26 05 36 00-1937	EA	36" To 30" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	501.37 -32.29	214.19
26 05 36 00-1938 Reducers (26 05 36 00-1805)				
26 05 36 00-1939	EA	18" To 6" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	368.94 -24.56	148.07
26 05 36 00-1940	EA	24" To 12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	416.21 -27.21	172.84
26 05 36 00-1941	EA	30" To 12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	456.56 -29.47	194.22
26 05 36 00-1942	EA	30" To 18" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	458.57 -29.68	194.09
26 05 36 00-1943	EA	36" To 12" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	499.04 -32.05	214.19
26 05 36 00-1944	EA	36" To 18" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	501.37 -32.29	214.19
26 05 36 00-1945	EA	36" To 24" Reducer, Vented Bottom, Steel Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	504.48 -32.56	214.71
26 05 36 00-1946 Dropout Or End Plate (26 05 36 00-1805)				
26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	107.79	47.84
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	127.84	56.15
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	140.90	61.98
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	158.47	69.10
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	175.84	77.66
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	206.03	92.83
26 05 36 00-1953 Vented Bottom Aluminum Cable Tray (26 05 36 00-1797)				
26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	40.70 -3.22	10.11
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	45.16 -3.59	11.15
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	50.53 -4.02	12.45
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	58.90 -4.73	13.87
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	67.65 -5.48	15.43
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	86.08 -7.13	17.77
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	95.69 -7.84	20.87
26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings (26 05 36 00-1797)				
26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1961)				
26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	466.12 -32.96	163.89
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	506.40 -35.81	177.89
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	557.65 -39.07	200.32
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	630.22 -44.52	221.97
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	753.62 -52.79	270.85
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	891.57 -63.18	311.69
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	982.45 -69.41	346.06
26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1961)				
26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	567.65 -42.37	172.71
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	685.12 -50.62	214.71
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	776.89 -57.73	239.47

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
26 05 36 00-1974	EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	924.24 -67.76	296.00		
26 05 36 00-1975	EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,067.14 -77.98	344.88		
26 05 36 00-1976	EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,179.87 -85.57	388.97		
26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1961)					
26 05 36 00-1978	EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	698.86 -54.67	182.56		
26 05 36 00-1979	EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	834.96 -64.27	230.66		
26 05 36 00-1980	EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	944.77 -72.84	259.71		
26 05 36 00-1981	EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,105.26 -83.24	327.39		
26 05 36 00-1982	EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,186.28 -92.19	317.27		
26 05 36 00-1983	EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,453.50 -108.35	444.08		
26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1961)					
26 05 36 00-1985	EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	423.88 -28.72	164.02		
26 05 36 00-1986	EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	460.50 -31.21	178.15		
26 05 36 00-1987	EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	508.41 -34.15	200.32		
26 05 36 00-1988	EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	572.56 -38.78	221.71		
26 05 36 00-1989	EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	686.51 -46.11	270.46		
26 05 36 00-1990	EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	809.70 -55.00	311.69		
26 05 36 00-1991	EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	892.18 -60.43	345.40		
26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-1961)					
26 05 36 00-1993	EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	506.36 -36.23	172.84		
26 05 36 00-1994	EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	613.10 -43.42	214.71		
26 05 36 00-1995	EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	694.30 -49.45	239.87		
26 05 36 00-1996	EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	830.20 -58.31	296.52		
26 05 36 00-1997	EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	960.85 -67.25	346.06		
26 05 36 00-1998	EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,062.92 -73.88	388.97		
26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-1961)					
26 05 36 00-2000	EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	612.64 -46.02	182.95		
26 05 36 00-2001	EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	734.96 -54.32	230.14		
26 05 36 00-2002	EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	832.13 -61.58	259.71		
26 05 36 00-2003	EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	983.08 -70.98	328.03		
26 05 36 00-2004	EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,123.28 -81.81	366.28		
26 05 36 00-2005	EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,298.23 -92.74	444.98		
26 05 36 00-2006 90 Degree, 12" Radius Vertical Risers (26 05 36 00-1961)					
26 05 36 00-2007	EA 6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	507.40 -37.12	163.37		
26 05 36 00-2008	EA 9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	544.76 -39.69	177.50		
26 05 36 00-2009	EA 12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	585.63 -41.87	200.32		
26 05 36 00-2010	EA 18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	630.22 -44.52	221.97		
26 05 36 00-2011	EA 24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	739.63 -51.39	270.85		
26 05 36 00-2012	EA 30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	821.62 -56.19	311.69		
26 05 36 00-2013	EA 36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	880.71 -59.28	345.40		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2014		90 Degree, 24" Radius Vertical Risers (26 05 36 00-1961)		
26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	604.02 -46.01	172.71
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	701.91 -52.30	214.71
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	774.09 -57.45	239.47
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	874.63 -62.76	296.52
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	975.83 -68.80	345.40
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,067.96 -74.38	388.97
26 05 36 00-2021		90 Degree, 36" Radius Vertical Risers (26 05 36 00-1961)		
26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	696.06 -54.39	182.56
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	804.18 -61.19	230.66
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	902.80 -68.64	259.71
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,054.90 -78.21	327.39
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,170.00 -86.48	366.28
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,316.41 -94.64	444.08
26 05 36 00-2028		12" Radius Horizontal Tees (26 05 36 00-1961)		
26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	812.40 -55.31	311.17
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	847.86 -57.50	327.39
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	902.07 -61.47	344.88
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,030.09 -70.53	389.75
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,176.52 -80.65	444.08
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,331.62 -89.94	518.62
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,473.86 -100.27	565.30
26 05 36 00-2036		24" Radius Horizontal Tees (26 05 36 00-1961)		
26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,023.40 -73.55	345.40
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,156.20 -83.27	388.19
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,299.62 -92.96	444.08
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,561.54 -113.05	517.20
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,794.34 -127.49	623.39
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,034.85 -145.81	692.11
26 05 36 00-2043		36" Radius Horizontal Tees (26 05 36 00-1961)		
26 05 36 00-2044	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,367.33 -104.32	388.97
26 05 36 00-2045	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,565.42 -119.54	444.08
26 05 36 00-2046	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,659.20 -129.82	433.19
26 05 36 00-2047	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,126.77 -160.90	621.31
26 05 36 00-2048	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,462.88 -181.20	781.05
26 05 36 00-2049	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	2,823.07 -208.30	888.02
26 05 36 00-2050		12" Radius Vertical Tees (26 05 36 00-1961)		
26 05 36 00-2051	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	921.51 -66.22	311.17
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	951.38 -67.85	327.39
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,012.21 -72.43	345.40
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	1,049.69 -74.45	366.28

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,097.45	388.19	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-77.40		
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,161.17	414.64	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-81.56		
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,286.05	477.79	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-88.78		
26 05 36 00-2058 24" Radius Vertical Tees (26 05 36 00-1961)					
26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,146.50	345.40	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-85.86		
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,262.52	388.19	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-93.90		
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,348.63	414.64	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-100.31		
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,439.51	444.08	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-106.95		
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,551.84	477.79	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-115.36		
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,714.43	566.99	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-124.19		
26 05 36 00-2065 36" Radius Vertical Tees (26 05 36 00-1961)					
26 05 36 00-2066	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,528.32	388.19	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-120.48		
26 05 36 00-2067	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,677.33	444.08	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-130.73		
26 05 36 00-2068	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,761.68	477.79	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-136.35		
26 05 36 00-2069	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,901.90	520.05	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-146.86		
26 05 36 00-2070	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,064.16	566.99	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-159.17		
26 05 36 00-2071	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,324.54	689.65	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-174.98		
26 05 36 00-2072 12" Radius Horizontal Crosses (26 05 36 00-1961)					
26 05 36 00-2073	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	942.26	345.40	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-65.44		
26 05 36 00-2074	EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,002.13	366.28	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.69		
26 05 36 00-2075	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,052.47	389.75	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-72.77		
26 05 36 00-2076	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,162.53	444.08	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-79.25		
26 05 36 00-2077	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,332.12	517.20	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-90.11		
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,510.30	563.74	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-104.05		
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,841.79	692.11	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-126.50		
26 05 36 00-2080 24" Radius Horizontal Crosses (26 05 36 00-1961)					
26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,307.08	389.75	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-98.23		
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,459.10	444.08	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-108.91		
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,637.09	517.20	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-120.61		
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,930.92	621.31	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-141.31		
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,114.70	689.65	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-154.00		
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,571.27	888.02	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-183.12		
26 05 36 00-2087 36" Radius Horizontal Crosses (26 05 36 00-1961)					
26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,817.23	444.08	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-144.72		
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,013.81	520.05	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-158.05		
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,280.65	621.31	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-176.29		
26 05 36 00-2091	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,742.67	781.05	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-209.18		
26 05 36 00-2092	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	3,053.68	892.16	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-231.02		
26 05 36 00-2093	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	3,542.76	1,034.53	
		<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-268.07		
26 05 36 00-2094 Straight Reducers (26 05 36 00-1961)					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2095	EA		9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	352.03 -26.55	103.72
26 05 36 00-2096	EA		12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	369.57 -27.85	109.30
26 05 36 00-2097	EA		18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	417.40 -30.94	129.53
26 05 36 00-2098	EA		24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	461.94 -33.87	147.94
26 05 36 00-2099	EA		30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	509.16 -36.51	172.84
26 05 36 00-2100	EA		36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	552.92 -39.12	194.09
26 05 36 00-2101 Reducers (26 05 36 00-1961)					
26 05 36 00-2102	EA		12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	369.26 -27.84	109.05
26 05 36 00-2103	EA		18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	417.26 -30.94	129.53
26 05 36 00-2104	EA		18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	417.26 -30.94	129.53
26 05 36 00-2105	EA		24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	462.12 -33.88	148.07
26 05 36 00-2106	EA		24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	462.12 -33.88	148.07
26 05 36 00-2107	EA		24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	462.50 -33.90	148.20
26 05 36 00-2108	EA		30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	514.49 -37.06	172.71
26 05 36 00-2109	EA		30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	508.64 -36.48	172.58
26 05 36 00-2110	EA		36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	552.92 -39.12	194.09
26 05 36 00-2111	EA		36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	552.92 -39.12	194.09
26 05 36 00-2112	EA		36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	553.56 -39.15	194.48
26 05 36 00-2113 Dropout Or End Plate (26 05 36 00-1961)					
26 05 36 00-2114	EA		6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	116.38	47.84
26 05 36 00-2115	EA		9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	127.00	52.25
26 05 36 00-2116	EA		12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	136.86	56.15
26 05 36 00-2117	EA		18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	155.47	61.98
26 05 36 00-2118	EA		24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	178.22	69.10
26 05 36 00-2119	EA		30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	196.65	77.66
26 05 36 00-2120	EA		36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	225.16	88.94
26 05 36 00-2121 Cable Tray Covers And Dividers (26 05 36 00-0001)					
26 05 36 00-2122 Galvanized Steel Covers (26 05 36 00-2121)					
26 05 36 00-2123 Ventilated Straight Sections (26 05 36 00-2122)					
26 05 36 00-2124	LF		6" Steel Cable Tray Cover, Straight Section	11.30	2.33
26 05 36 00-2125	LF		9" Steel Cable Tray Cover, Straight Section	13.62	2.73
26 05 36 00-2126	LF		12" Steel Cable Tray Cover, Straight Section	16.01	3.12
26 05 36 00-2127	LF		18" Steel Cable Tray Cover, Straight Section	21.69	4.15
26 05 36 00-2128	LF		24" Steel Cable Tray Cover, Straight Section	27.51	5.57
26 05 36 00-2129	LF		30" Steel Cable Tray Cover, Straight Section	33.39	6.87
26 05 36 00-2130	LF		36" Steel Cable Tray Cover, Straight Section	154.95	77.92
26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2122)					
26 05 36 00-2132	EA		6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	68.61	8.30
26 05 36 00-2133	EA		9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	76.75	9.72
26 05 36 00-2134	EA		12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	83.19	11.54
26 05 36 00-2135	EA		18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	113.11	14.78
26 05 36 00-2136	EA		24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	138.52	18.80
26 05 36 00-2137	EA		30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	167.42	20.87
26 05 36 00-2138	EA		36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	202.22	24.89
26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2122)					
26 05 36 00-2140	EA		6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	106.11	9.21
26 05 36 00-2141	EA		9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	111.05	10.76
26 05 36 00-2142	EA		12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	125.29	12.97
26 05 36 00-2143	EA		18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	155.44	16.46
26 05 36 00-2144	EA		24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	190.65	20.74
26 05 36 00-2145	EA		30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	244.79	23.86
26 05 36 00-2146	EA		36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	284.73	28.27
26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2122)					
26 05 36 00-2148	EA		6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	149.95	10.37
26 05 36 00-2149	EA		9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	166.68	11.92

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 05 36 00-2150	EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	180.70		14.78	
26 05 36 00-2151	EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	229.08		17.25	
26 05 36 00-2152	EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	277.42		23.99	
26 05 36 00-2153	EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	326.90		27.10	
26 05 36 00-2154	EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	382.46		31.11	
26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2122)					
26 05 36 00-2156	EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	52.78		8.30	
	For 60 Degree Bend, Deduct	-14.22			
	For 30 Degree Bend, Deduct	-24.17			
26 05 36 00-2157	EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	62.77		9.72	
	For 60 Degree Bend, Deduct	-16.99			
	For 30 Degree Bend, Deduct	-28.85			
26 05 36 00-2158	EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	70.38		11.54	
	For 60 Degree Bend, Deduct	-18.82			
	For 30 Degree Bend, Deduct	-32.01			
26 05 36 00-2159	EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	85.26		14.13	
	For 60 Degree Bend, Deduct	-22.72			
	For 30 Degree Bend, Deduct	-38.65			
26 05 36 00-2160	EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	99.53		16.33	
	For 60 Degree Bend, Deduct	-26.56			
	For 30 Degree Bend, Deduct	-45.17			
26 05 36 00-2161	EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	116.43		18.80	
	For 60 Degree Bend, Deduct	-31.19			
	For 30 Degree Bend, Deduct	-53.04			
26 05 36 00-2162	EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover.....	130.06		20.74	
	For 60 Degree Bend, Deduct	-34.97			
	For 30 Degree Bend, Deduct	-59.43			
26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2122)					
26 05 36 00-2164	EA 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	72.35		9.21	
	For 60 Degree Bend, Deduct	-20.36			
	For 30 Degree Bend, Deduct	-34.44			
26 05 36 00-2165	EA 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	81.94		10.76	
	For 60 Degree Bend, Deduct	-22.92			
	For 30 Degree Bend, Deduct	-38.80			
26 05 36 00-2166	EA 12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	93.85		12.97	
	For 60 Degree Bend, Deduct	-25.99			
	For 30 Degree Bend, Deduct	-44.04			
26 05 36 00-2167	EA 18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	108.64		15.56	
	For 60 Degree Bend, Deduct	-29.88			
	For 30 Degree Bend, Deduct	-50.66			
26 05 36 00-2168	EA 24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	125.17		17.77	
	For 60 Degree Bend, Deduct	-34.48			
	For 30 Degree Bend, Deduct	-58.45			
26 05 36 00-2169	EA 30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	155.75		20.74	
	For 60 Degree Bend, Deduct	-43.43			
	For 30 Degree Bend, Deduct	-73.53			
26 05 36 00-2170	EA 36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover.....	172.67		23.99	
	For 60 Degree Bend, Deduct	-47.80			
	For 30 Degree Bend, Deduct	-80.99			
26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2122)					
26 05 36 00-2172	EA 6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	99.91		10.37	
	For 60 Degree Bend, Deduct	-29.01			
	For 30 Degree Bend, Deduct	-48.92			
26 05 36 00-2173	EA 9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	113.12		11.92	
	For 60 Degree Bend, Deduct	-32.74			
	For 30 Degree Bend, Deduct	-55.23			
26 05 36 00-2174	EA 12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	127.06		14.78	
	For 60 Degree Bend, Deduct	-36.27			
	For 30 Degree Bend, Deduct	-61.27			
26 05 36 00-2175	EA 18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	144.99		16.46	
	For 60 Degree Bend, Deduct	-41.55			
	For 30 Degree Bend, Deduct	-70.16			
26 05 36 00-2176	EA 24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	176.71		20.10	
	For 60 Degree Bend, Deduct	-50.61			
	For 30 Degree Bend, Deduct	-85.47			
26 05 36 00-2177	EA 30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	195.96		23.99	
	For 60 Degree Bend, Deduct	-55.48			
	For 30 Degree Bend, Deduct	-93.80			
26 05 36 00-2178	EA 36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	231.88		25.93	
	For 60 Degree Bend, Deduct	-66.57			
	For 30 Degree Bend, Deduct	-112.40			
26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers (26 05 36 00-2122)					
26 05 36 00-2180	EA 6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	59.49		8.30	
26 05 36 00-2181	EA 9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	62.77		9.72	
26 05 36 00-2182	EA 12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	69.22		11.54	
26 05 36 00-2183	EA 18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	80.63		14.13	
26 05 36 00-2184	EA 24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	88.72		18.28	
26 05 36 00-2185	EA 30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	98.72		20.87	
26 05 36 00-2186	EA 36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	124.12		24.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	UNIT COST	UNIT COST		

26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers (26 05 36 00-2122)									
26 05 36 00-2188	EA		6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	71.18			9.21		
26 05 36 00-2189	EA		9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	79.61			10.76		
26 05 36 00-2190	EA		12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	85.70			12.97		
26 05 36 00-2191	EA		18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	110.93			15.56		
26 05 36 00-2192	EA		24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	128.93			20.10		
26 05 36 00-2193	EA		30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	148.18			23.99		
26 05 36 00-2194	EA		36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	170.62			28.27		
26 05 36 00-2195 90 Degree, 36" Radius Vertical Risers (26 05 36 00-2122)									
26 05 36 00-2196	EA		6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	82.41			10.37		
26 05 36 00-2197	EA		9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	102.64			11.92		
26 05 36 00-2198	EA		12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	117.82			14.78		
26 05 36 00-2199	EA		18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	144.99			16.46		
26 05 36 00-2200	EA		24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	168.74			22.95		
26 05 36 00-2201	EA		30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	201.15			27.10		
26 05 36 00-2202	EA		36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	235.75			31.11		
26 05 36 00-2203 12" Radius Horizontal Tees (26 05 36 00-2122)									
26 05 36 00-2204	EA		6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	105.23			13.49		
26 05 36 00-2205	EA		9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	110.93			15.56		
26 05 36 00-2206	EA		12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	125.88			18.28		
26 05 36 00-2207	EA		18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	151.10			20.74		
26 05 36 00-2208	EA		24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	186.64			23.99		
26 05 36 00-2209	EA		30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	229.85			34.49		
26 05 36 00-2210	EA		36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	276.25			41.37		
26 05 36 00-2211 24" Radius Horizontal Tees (26 05 36 00-2122)									
26 05 36 00-2212	EA		6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	153.99			14.13		
26 05 36 00-2213	EA		9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	176.42			16.46		
26 05 36 00-2214	EA		12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	186.08			19.45		
26 05 36 00-2215	EA		18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	235.02			22.30		
26 05 36 00-2216	EA		24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	345.85			25.93		
26 05 36 00-2217	EA		30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	409.53			38.90		
26 05 36 00-2218	EA		36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	459.32			47.84		
26 05 36 00-2219 36" Radius Horizontal Tees (26 05 36 00-2122)									
26 05 36 00-2220	EA		6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	259.83			14.78		
26 05 36 00-2221	EA		9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	268.64			17.25		
26 05 36 00-2222	EA		12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	300.09			20.74		
26 05 36 00-2223	EA		18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	352.05			23.99		
26 05 36 00-2224	EA		24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	457.06			28.27		
26 05 36 00-2225	EA		30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	519.06			44.60		
26 05 36 00-2226	EA		36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	599.34			56.40		
26 05 36 00-2227 12" Radius Horizontal Crosses (26 05 36 00-2122)									
26 05 36 00-2228	EA		6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	153.89			18.28		
26 05 36 00-2229	EA		9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	162.83			19.45		
26 05 36 00-2230	EA		12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	180.21			20.74		
26 05 36 00-2231	EA		18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	212.26			23.99		
26 05 36 00-2232	EA		24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	267.06			34.49		
26 05 36 00-2233	EA		30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	308.78			41.37		
26 05 36 00-2234	EA		36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	353.49			44.47		
26 05 36 00-2235 24" Radius Horizontal Crosses (26 05 36 00-2122)									
26 05 36 00-2236	EA		6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	267.66			19.45		
26 05 36 00-2237	EA		9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	290.78			20.74		
26 05 36 00-2238	EA		12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	311.87			22.30		
26 05 36 00-2239	EA		18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	371.46			25.93		
26 05 36 00-2240	EA		24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	465.36			38.90		
26 05 36 00-2241	EA		30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	531.42			47.84		
26 05 36 00-2242	EA		36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	593.93			51.74		
26 05 36 00-2243 36" Radius Horizontal Crosses (26 05 36 00-2122)									
26 05 36 00-2244	EA		6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	428.17			20.74		
26 05 36 00-2245	EA		9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	444.62			22.30		
26 05 36 00-2246	EA		12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	468.49			23.99		
26 05 36 00-2247	EA		18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	540.89			28.27		
26 05 36 00-2248	EA		24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	702.98			44.47		
26 05 36 00-2249	EA		30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	769.76			56.66		
26 05 36 00-2250	EA		36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	825.63			62.24		
26 05 36 00-2251 Reducers (26 05 36 00-2122)									

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-2252	EA	9" To 6" Reducer, Steel Cable Tray Covers.....	68.61	9.72
26 05 36 00-2253	EA	12" To 6" Reducer, Steel Cable Tray Covers.....	73.92	11.54
26 05 36 00-2254	EA	12" To 9" Reducer, Steel Cable Tray Covers.....	73.92	11.54
26 05 36 00-2255	EA	18" To 6" Reducer, Steel Cable Tray Covers.....	81.80	14.13
26 05 36 00-2256	EA	18" To 12" Reducer, Steel Cable Tray Covers.....	81.80	14.13
26 05 36 00-2257	EA	24" To 12" Reducer, Steel Cable Tray Covers.....	100.45	15.56
26 05 36 00-2258	EA	24" To 18" Reducer, Steel Cable Tray Covers.....	107.44	15.56
26 05 36 00-2259	EA	30" To 12" Reducer, Steel Cable Tray Covers.....	104.18	17.77
26 05 36 00-2260	EA	30" To 18" Reducer, Steel Cable Tray Covers.....	111.17	17.77
26 05 36 00-2261	EA	30" To 24" Reducer, Steel Cable Tray Covers.....	115.82	17.77
26 05 36 00-2262	EA	36" To 12" Reducer, Steel Cable Tray Covers.....	120.84	19.45
26 05 36 00-2263	EA	36" To 18" Reducer, Steel Cable Tray Covers.....	123.17	19.45
26 05 36 00-2264	EA	36" To 24" Reducer, Steel Cable Tray Covers.....	125.50	19.45
26 05 36 00-2265	EA	36" To 30" Reducer, Steel Cable Tray Covers.....	126.66	19.45

26 05 36 00-2266 Aluminum Covers (26 05 36 00-2121)**26 05 36 00-2267 Ventilated Straight Sections** (26 05 36 00-2266)

26 05 36 00-2268	LF	6" Aluminum Cable Tray Cover, Straight Section	12.32	2.33
26 05 36 00-2269	LF	9" Aluminum Cable Tray Cover, Straight Section	14.68	2.73
26 05 36 00-2270	LF	12" Aluminum Cable Tray Cover, Straight Section	17.24	3.12
26 05 36 00-2271	LF	18" Aluminum Cable Tray Cover, Straight Section	22.94	4.15
26 05 36 00-2272	LF	24" Aluminum Cable Tray Cover, Straight Section	29.50	5.57
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section	33.57	6.87
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section	153.36	77.92

26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)

26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	68.51	8.30
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	73.20	9.72
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	80.90	11.54
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	105.37	14.78
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	133.53	18.80
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	157.00	20.87
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	191.17	24.89

26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)

26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	90.10	9.21
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	110.53	10.76
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	123.79	12.97
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	148.49	16.46
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	184.25	20.74
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	222.74	23.86
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	272.83	28.27

26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)

26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	145.46	10.37
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	160.10	11.92
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	183.80	14.78
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	218.82	17.25
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	270.27	23.99
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	311.13	27.10
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	362.91	31.11

26 05 36 00-2299 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)

26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	54.27	8.30
		For 60 Degree Bend, Deduct	-14.71	
		For 30 Degree Bend, Deduct	-24.99	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	57.76	9.72
		For 60 Degree Bend, Deduct	-15.33	
		For 30 Degree Bend, Deduct	-26.10	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	65.70	11.54
		For 60 Degree Bend, Deduct	-17.28	
		For 30 Degree Bend, Deduct	-29.43	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	76.99	14.13
		For 60 Degree Bend, Deduct	-19.99	
		For 30 Degree Bend, Deduct	-34.10	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	86.72	16.33
		For 60 Degree Bend, Deduct	-22.33	
		For 30 Degree Bend, Deduct	-38.13	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	106.24	18.80
		For 60 Degree Bend, Deduct	-27.83	
		For 30 Degree Bend, Deduct	-47.43	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	124.83	20.74
		For 60 Degree Bend, Deduct	-33.24	
		For 30 Degree Bend, Deduct	-56.55	

26 05 36 00-2307 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)

26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	62.21	9.21
		For 60 Degree Bend, Deduct	-17.01	
		For 30 Degree Bend, Deduct	-28.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2309	EA		9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	77.28	10.76
			For 60 Degree Bend, Deduct	-21.39	
			For 30 Degree Bend, Deduct	-36.24	
26 05 36 00-2310	EA		12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	83.41	12.97
			For 60 Degree Bend, Deduct	-22.54	
			For 30 Degree Bend, Deduct	-38.29	
26 05 36 00-2311	EA		18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	100.78	15.56
			For 60 Degree Bend, Deduct	-27.28	
			For 30 Degree Bend, Deduct	-46.34	
26 05 36 00-2312	EA		24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	122.32	17.77
			For 60 Degree Bend, Deduct	-33.54	
			For 30 Degree Bend, Deduct	-56.88	
26 05 36 00-2313	EA		30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	141.54	20.74
			For 60 Degree Bend, Deduct	-38.74	
			For 30 Degree Bend, Deduct	-65.72	
26 05 36 00-2314	EA		36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	163.43	23.99
			For 60 Degree Bend, Deduct	-44.75	
			For 30 Degree Bend, Deduct	-75.91	
26 05 36 00-2315 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)					
26 05 36 00-2316	EA		6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	97.99	10.37
			For 60 Degree Bend, Deduct	-28.37	
			For 30 Degree Bend, Deduct	-47.86	
26 05 36 00-2317	EA		9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	107.85	11.92
			For 60 Degree Bend, Deduct	-31.00	
			For 30 Degree Bend, Deduct	-52.33	
26 05 36 00-2318	EA		12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	117.23	14.78
			For 60 Degree Bend, Deduct	-33.03	
			For 30 Degree Bend, Deduct	-55.87	
26 05 36 00-2319	EA		18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	139.02	16.46
			For 60 Degree Bend, Deduct	-39.58	
			For 30 Degree Bend, Deduct	-66.87	
26 05 36 00-2320	EA		24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	168.87	20.10
			For 60 Degree Bend, Deduct	-48.02	
			For 30 Degree Bend, Deduct	-81.16	
26 05 36 00-2321	EA		30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	194.31	23.99
			For 60 Degree Bend, Deduct	-54.94	
			For 30 Degree Bend, Deduct	-92.90	
26 05 36 00-2322	EA		36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	219.01	25.93
			For 60 Degree Bend, Deduct	-62.33	
			For 30 Degree Bend, Deduct	-105.32	
26 05 36 00-2323 90 Degree, 12" Radius Vertical Risers (26 05 36 00-2266)					
26 05 36 00-2324	EA		6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	60.40	8.30
26 05 36 00-2325	EA		9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	63.11	9.72
26 05 36 00-2326	EA		12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	70.21	11.54
26 05 36 00-2327	EA		18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	82.96	14.13
26 05 36 00-2328	EA		24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	92.25	18.28
26 05 36 00-2329	EA		30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	97.62	20.87
26 05 36 00-2330	EA		36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	117.45	24.89
26 05 36 00-2331 90 Degree, 24" Radius Vertical Risers (26 05 36 00-2266)					
26 05 36 00-2332	EA		6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	68.73	9.21
26 05 36 00-2333	EA		9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	76.09	10.76
26 05 36 00-2334	EA		12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	84.60	12.97
26 05 36 00-2335	EA		18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	101.93	15.56
26 05 36 00-2336	EA		24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	116.58	20.10
26 05 36 00-2337	EA		30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	146.77	23.99
26 05 36 00-2338	EA		36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	163.58	28.27
26 05 36 00-2339 90 Degree, 36" Radius Vertical Risers (26 05 36 00-2266)					
26 05 36 00-2340	EA		6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	78.96	10.37
26 05 36 00-2341	EA		9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	95.97	11.92
26 05 36 00-2342	EA		12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	112.55	14.78
26 05 36 00-2343	EA		18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	134.27	16.46
26 05 36 00-2344	EA		24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	164.21	22.95
26 05 36 00-2345	EA		30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	204.25	27.10
26 05 36 00-2346	EA		36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	222.78	31.11
26 05 36 00-2347 12" Radius Horizontal Tees (26 05 36 00-2266)					
26 05 36 00-2348	EA		6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	98.56	13.49
26 05 36 00-2349	EA		9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	106.68	15.56
26 05 36 00-2350	EA		12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	120.65	18.28
26 05 36 00-2351	EA		18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	141.54	20.74
26 05 36 00-2352	EA		24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	175.31	23.99
26 05 36 00-2353	EA		30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	216.65	34.49
26 05 36 00-2354	EA		36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	261.37	41.37
26 05 36 00-2355 24" Radius Horizontal Tees (26 05 36 00-2266)					
26 05 36 00-2356	EA		6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	147.08	14.13

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	165.13	16.46
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	186.76	19.45
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	217.59	22.30
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	330.49	25.93
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	383.14	38.90
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	433.62	47.84

26 05 36 00-2363 36" Radius Horizontal Tees (26 05 36 00-2266)

26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	250.26	14.78
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	259.16	17.25
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	288.74	20.74
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	327.38	23.99
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	412.96	28.27
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	485.16	44.60
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	557.14	56.40

26 05 36 00-2371 12" Radius Horizontal Crosses (26 05 36 00-2266)

26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	146.85	18.28
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	155.92	19.45
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	172.41	20.74
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	206.18	23.99
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	249.85	34.49
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	296.93	41.37
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	337.67	44.47

26 05 36 00-2379 24" Radius Horizontal Crosses (26 05 36 00-2266)

26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	260.47	19.45
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	279.25	20.74
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	300.71	22.30
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	349.49	25.93
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	430.58	38.90
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	507.15	47.84
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	549.40	51.74

26 05 36 00-2387 36" Radius Horizontal Crosses (26 05 36 00-2266)

26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	400.37	20.74
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	419.48	22.30
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	450.89	23.99
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	498.46	28.27
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	632.36	44.47
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	735.69	56.66
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	804.37	62.24

26 05 36 00-2395 Reducers (26 05 36 00-2266)

26 05 36 00-2396	EA	9" To 6" Reducer, Aluminum Cable Tray Covers	74.40	9.72
26 05 36 00-2397	EA	12" To 6" Reducer, Aluminum Cable Tray Covers	79.75	11.54
26 05 36 00-2398	EA	12" To 9" Reducer, Aluminum Cable Tray Covers	79.75	11.54
26 05 36 00-2399	EA	18" To 6" Reducer, Aluminum Cable Tray Covers	90.07	14.13
26 05 36 00-2400	EA	18" To 12" Reducer, Aluminum Cable Tray Covers	90.07	14.13
26 05 36 00-2401	EA	24" To 12" Reducer, Aluminum Cable Tray Covers	99.56	15.56
26 05 36 00-2402	EA	24" To 18" Reducer, Aluminum Cable Tray Covers	109.01	15.56
26 05 36 00-2403	EA	30" To 12" Reducer, Aluminum Cable Tray Covers	115.16	17.77
26 05 36 00-2404	EA	30" To 18" Reducer, Aluminum Cable Tray Covers	118.70	17.77
26 05 36 00-2405	EA	30" To 24" Reducer, Aluminum Cable Tray Covers	121.13	17.77
26 05 36 00-2406	EA	36" To 12" Reducer, Aluminum Cable Tray Covers	127.35	19.45
26 05 36 00-2407	EA	36" To 18" Reducer, Aluminum Cable Tray Covers	129.73	19.45
26 05 36 00-2408	EA	36" To 24" Reducer, Aluminum Cable Tray Covers	130.92	19.45
26 05 36 00-2409	EA	36" To 30" Reducer, Aluminum Cable Tray Covers	132.10	19.45

26 05 36 00-2410 Galvanized Steel Dividers (26 05 36 00-2121)**26 05 36 00-2411 Straight Dividers** (26 05 36 00-2410)

26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight	11.59	3.12
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight	13.64	3.37
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight	16.84	3.89

26 05 36 00-2415 3" Deep Vertical Dividers (26 05 36 00-2410)

26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	68.53	22.30
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	77.85	23.08
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	81.85	23.99
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	93.89	24.89
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	89.23	24.89
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	96.73	25.93
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	112.65	27.10
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	139.19	28.27
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	111.24	28.27
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	123.91	29.69

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	139.20		31.11
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	175.67		32.81
26 05 36 00-2428 4" Deep Vertical Dividers (26 05 36 00-2410)					
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	78.43		23.08
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	86.50		23.99
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	93.89		24.89
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	107.21		25.93
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	107.21		25.93
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	125.46		27.10
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	138.02		28.27
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	170.48		29.69
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	119.64		27.10
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	132.20		28.27
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	156.51		29.69
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	197.42		31.11
26 05 36 00-2441 6" Deep Vertical Dividers (26 05 36 00-2410)					
26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	86.83		25.93
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	94.02		27.10
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	103.09		28.27
26 05 36 00-2445	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	119.25		29.69
26 05 36 00-2446	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	109.16		27.10
26 05 36 00-2447	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	127.54		28.27
26 05 36 00-2448	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	141.38		29.69
26 05 36 00-2449	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	172.96		31.11
26 05 36 00-2450	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	121.72		28.27
26 05 36 00-2451	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	141.38		29.69
26 05 36 00-2452	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	172.96		31.11
26 05 36 00-2453	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	210.61		32.81
26 05 36 00-2454 Horizontal Dividers (26 05 36 00-2410)					
26 05 36 00-2455	EA	3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	76.20		18.80
26 05 36 00-2456	EA	4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	84.69		20.74
26 05 36 00-2457	EA	6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	102.42		23.08
26 05 36 00-2458 Aluminum Dividers (26 05 36 00-2121)					
26 05 36 00-2459 Straight Dividers (26 05 36 00-2458)					
26 05 36 00-2460	LF	3" Deep Aluminum Divider Strip, Straight	11.46		2.99
26 05 36 00-2461	LF	4" Deep Aluminum Divider Strip, Straight	13.52		3.24
26 05 36 00-2462	LF	6" Deep Aluminum Divider Strip, Straight	16.66		3.63
26 05 36 00-2463 3" Deep Vertical Dividers (26 05 36 00-2458)					
26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	61.80		21.52
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	67.77		22.30
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	74.29		23.08
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	85.38		23.99
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	83.11		23.99
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	91.49		24.89
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	105.67		25.93
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	130.34		27.10
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	111.02		27.10
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	132.42		28.27
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	159.61		29.69
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	196.18		31.11
26 05 36 00-2476 4" Deep Vertical Dividers (26 05 36 00-2458)					
26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	73.79		22.30
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	80.99		23.08
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	88.79		23.99
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	99.44		24.89
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	98.30		24.89
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	113.62		25.93
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	128.07		27.10
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	160.83		28.27
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	131.80		25.93
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	158.75		27.10
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	185.83		28.27
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	224.38		29.69
26 05 36 00-2489 6" Deep Vertical Dividers (26 05 36 00-2458)					
26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	81.71		24.89
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	90.89		25.93
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	95.12		27.10
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	106.29		28.27
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	102.26		25.93

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray.....	125.80	27.10
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray.....	135.83	28.27
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray.....	169.84	29.69
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray.....	134.89	27.10
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray.....	167.65	28.27
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray.....	191.43	29.69
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray.....	222.31	31.11
26 05 36 00-2502 Horizontal Dividers (26 05 36 00-2458)				
26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	71.05	17.77
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	77.87	19.45
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	96.00	21.52
26 05 36 00-2506 Cable Tray Wall Brackets (26 05 36 00-0001)				
26 05 36 00-2507 Wall Brackets (26 05 36 00-2506)				
26 05 36 00-2508	EA	6" Wide Cable Tray Wall Bracket.....	93.90	25.93
26 05 36 00-2509	EA	9" Wide Cable Tray Wall Bracket.....	97.30	27.10
26 05 36 00-2510	EA	12" Wide Cable Tray Wall Bracket.....	106.63	28.27
26 05 36 00-2511	EA	18" Wide Cable Tray Wall Bracket.....	113.17	29.69
26 05 36 00-2512	EA	24" Wide Cable Tray Wall Bracket.....	122.90	31.11
26 05 36 00-2513	EA	30" Wide Cable Tray Wall Bracket.....	145.90	32.81
26 05 36 00-2514	EA	36" Wide Cable Tray Wall Bracket.....	174.30	35.00
26 05 36 00-2515 Fiberglass Cable Tray (26 05 36 00-0001)				
26 05 36 00-2516 Ladder Bottom Fiberglass Cable Tray (26 05 36 00-2515)				
Note: Excludes hangers and support system.				
26 05 36 00-2517 Straight Tray Sections (26 05 36 00-2516)				
26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.33	3.50
		For 9" Rung Spacing, Add	0.32	
		For 6" Rung Spacing, Add	1.37	
		For 4" Rung Spacing, Add	2.52	
		For 18" Rung Spacing, Deduct	-0.23	
		For Solid Bottom, Add	3.52	
		For Vented Trough Bottom, Add	4.31	
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	15.93	4.28
		For 9" Rung Spacing, Add	0.33	
		For 6" Rung Spacing, Add	1.42	
		For 4" Rung Spacing, Add	2.60	
		For 18" Rung Spacing, Deduct	-0.24	
		For Solid Bottom, Add	3.81	
		For Vented Trough Bottom, Add	4.59	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	17.49	5.19
		For 9" Rung Spacing, Add	0.34	
		For 6" Rung Spacing, Add	1.46	
		For 4" Rung Spacing, Add	2.67	
		For 18" Rung Spacing, Deduct	-0.24	
		For Solid Bottom, Add	4.08	
		For Vented Trough Bottom, Add	4.86	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	20.81	6.87
		For 9" Rung Spacing, Add	0.37	
		For 6" Rung Spacing, Add	1.57	
		For 4" Rung Spacing, Add	2.87	
		For 18" Rung Spacing, Deduct	-0.26	
		For Solid Bottom, Add	4.69	
		For Vented Trough Bottom, Add	5.47	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	24.12	8.69
		For 9" Rung Spacing, Add	0.39	
		For 6" Rung Spacing, Add	1.67	
		For 4" Rung Spacing, Add	3.07	
		For 18" Rung Spacing, Deduct	-0.28	
		For Solid Bottom, Add	5.29	
		For Vented Trough Bottom, Add	6.08	
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	26.35	9.47
		For 9" Rung Spacing, Add	0.42	
		For 6" Rung Spacing, Add	1.81	
		For 4" Rung Spacing, Add	3.32	
		For 18" Rung Spacing, Deduct	-0.30	
		For Solid Bottom, Add	5.77	
		For Vented Trough Bottom, Add	6.62	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	28.64	10.37
		For 9" Rung Spacing, Add	0.46	
		For 6" Rung Spacing, Add	1.96	
		For 4" Rung Spacing, Add	3.60	
		For 18" Rung Spacing, Deduct	-0.33	
		For Solid Bottom, Add	6.26	
		For Vented Trough Bottom, Add	7.18	
26 05 36 00-2525 90 Degree Horizontal Elbows (26 05 36 00-2516)				

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2526 EA 6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	75.91	25.93
For 9" Rung Spacing, Add	1.30	
For 6" Rung Spacing, Add	5.55	
For 4" Rung Spacing, Add	10.18	
For 18" Rung Spacing, Deduct	-0.93	
For Solid Bottom, Add	16.94	
For Vented Trough Bottom, Add	19.67	
For 60 Degree Bend, Deduct	-16.10	
For 45 Degree Bend, Deduct	-22.12	
For 30 Degree Bend, Deduct	-28.14	
26 05 36 00-2527 EA 9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	84.52	30.21
For 9" Rung Spacing, Add	1.37	
For 6" Rung Spacing, Add	5.87	
For 4" Rung Spacing, Add	10.76	
For 18" Rung Spacing, Deduct	-0.98	
For Solid Bottom, Add	18.55	
For Vented Trough Bottom, Add	21.33	
For 60 Degree Bend, Deduct	-17.45	
For 45 Degree Bend, Deduct	-24.03	
For 30 Degree Bend, Deduct	-30.60	
26 05 36 00-2528 EA 12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	98.31	37.99
For 9" Rung Spacing, Add	1.44	
For 6" Rung Spacing, Add	6.19	
For 4" Rung Spacing, Add	11.35	
For 18" Rung Spacing, Deduct	-1.03	
For Solid Bottom, Add	20.94	
For Vented Trough Bottom, Add	23.64	
For 60 Degree Bend, Deduct	-19.32	
For 45 Degree Bend, Deduct	-26.71	
For 30 Degree Bend, Deduct	-34.10	
26 05 36 00-2529 EA 18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	116.11	45.89
For 9" Rung Spacing, Add	1.66	
For 6" Rung Spacing, Add	7.11	
For 4" Rung Spacing, Add	13.03	
For 18" Rung Spacing, Deduct	-1.18	
For Solid Bottom, Add	24.53	
For Vented Trough Bottom, Add	27.55	
For 60 Degree Bend, Deduct	-22.51	
For 45 Degree Bend, Deduct	-31.16	
For 30 Degree Bend, Deduct	-39.81	
26 05 36 00-2530 EA 24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	131.19	52.77
For 9" Rung Spacing, Add	1.82	
For 6" Rung Spacing, Add	7.82	
For 4" Rung Spacing, Add	14.33	
For 18" Rung Spacing, Deduct	-1.30	
For Solid Bottom, Add	27.49	
For Vented Trough Bottom, Add	30.73	
For 60 Degree Bend, Deduct	-25.10	
For 45 Degree Bend, Deduct	-34.79	
For 30 Degree Bend, Deduct	-44.47	
26 05 36 00-2531 EA 30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	144.15	56.27
For 9" Rung Spacing, Add	2.10	
For 6" Rung Spacing, Add	8.98	
For 4" Rung Spacing, Add	16.47	
For 18" Rung Spacing, Deduct	-1.50	
For Solid Bottom, Add	30.60	
For Vented Trough Bottom, Add	34.49	
For 60 Degree Bend, Deduct	-28.19	
For 45 Degree Bend, Deduct	-38.99	
For 30 Degree Bend, Deduct	-49.79	
26 05 36 00-2532 EA 36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray.....	159.54	60.55
For 9" Rung Spacing, Add	2.41	
For 6" Rung Spacing, Add	10.32	
For 4" Rung Spacing, Add	18.91	
For 18" Rung Spacing, Deduct	-1.72	
For Solid Bottom, Add	34.25	
For Vented Trough Bottom, Add	38.86	
For 60 Degree Bend, Deduct	-31.77	
For 45 Degree Bend, Deduct	-43.88	
For 30 Degree Bend, Deduct	-55.98	
26 05 36 00-2533 Inside Or Outside Vertical Risers (26 05 36 00-2516)		
26 05 36 00-2534 EA 6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	114.58	25.93
For 9" Rung Spacing, Add	2.65	
For 6" Rung Spacing, Add	11.35	
For 4" Rung Spacing, Add	20.81	
For 18" Rung Spacing, Deduct	-1.89	
For Solid Bottom, Add	28.54	
For Vented Trough Bottom, Add	35.13	
For 60 Degree Bend, Deduct	-28.86	
For 45 Degree Bend, Deduct	-39.13	
For 30 Degree Bend, Deduct	-49.40	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-2535	EA	9" Vertical Inside Or Outside Riser 90, Fiberglass	122.13	30.21
		For 9" Rung Spacing, Add	2.69	
		For 6" Rung Spacing, Add	11.51	
		For 4" Rung Spacing, Add	21.11	
		For 18" Rung Spacing, Deduct	-1.92	
		For Solid Bottom, Add	29.83	
		For Vented Trough Bottom, Add	36.37	
		For 60 Degree Bend, Deduct	-29.87	
		For 45 Degree Bend, Deduct	-40.58	
		For 30 Degree Bend, Deduct	-51.29	
26 05 36 00-2536	EA	12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	134.85	37.99
		For 9" Rung Spacing, Add	2.72	
		For 6" Rung Spacing, Add	11.67	
		For 4" Rung Spacing, Add	21.40	
		For 18" Rung Spacing, Deduct	-1.95	
		For Solid Bottom, Add	31.90	
		For Vented Trough Bottom, Add	38.25	
		For 60 Degree Bend, Deduct	-31.38	
		For 45 Degree Bend, Deduct	-42.79	
		For 30 Degree Bend, Deduct	-54.20	
26 05 36 00-2537	EA	18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	148.88	45.89
		For 9" Rung Spacing, Add	2.81	
		For 6" Rung Spacing, Add	12.02	
		For 4" Rung Spacing, Add	22.04	
		For 18" Rung Spacing, Deduct	-2.00	
		For Solid Bottom, Add	34.36	
		For Vented Trough Bottom, Add	40.65	
		For 60 Degree Bend, Deduct	-33.32	
		For 45 Degree Bend, Deduct	-45.58	
		For 30 Degree Bend, Deduct	-57.83	
26 05 36 00-2538	EA	24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	161.37	52.77
		For 9" Rung Spacing, Add	2.88	
		For 6" Rung Spacing, Add	12.34	
		For 4" Rung Spacing, Add	22.63	
		For 18" Rung Spacing, Deduct	-2.06	
		For Solid Bottom, Add	36.55	
		For Vented Trough Bottom, Add	42.80	
		For 60 Degree Bend, Deduct	-35.06	
		For 45 Degree Bend, Deduct	-48.07	
		For 30 Degree Bend, Deduct	-61.07	
26 05 36 00-2539	EA	30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	168.67	56.27
		For 9" Rung Spacing, Add	2.95	
		For 6" Rung Spacing, Add	12.66	
		For 4" Rung Spacing, Add	23.21	
		For 18" Rung Spacing, Deduct	-2.11	
		For Solid Bottom, Add	37.96	
		For Vented Trough Bottom, Add	44.29	
		For 60 Degree Bend, Deduct	-36.28	
		For 45 Degree Bend, Deduct	-49.78	
		For 30 Degree Bend, Deduct	-63.27	
26 05 36 00-2540	EA	36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	184.00	60.55
		For 9" Rung Spacing, Add	3.26	
		For 6" Rung Spacing, Add	13.99	
		For 4" Rung Spacing, Add	25.64	
		For 18" Rung Spacing, Deduct	-2.33	
		For Solid Bottom, Add	41.59	
		For Vented Trough Bottom, Add	48.64	
		For 60 Degree Bend, Deduct	-39.85	
		For 45 Degree Bend, Deduct	-54.64	
		For 30 Degree Bend, Deduct	-69.43	
26 05 36 00-2541	Horizontal Tees (26 05 36 00-2516)			
26 05 36 00-2542	EA	6" Horizontal Tee, Fiberglass Cable Tray	162.55	64.82
		For 9" Rung Spacing, Add	2.29	
		For 6" Rung Spacing, Add	9.80	
		For 4" Rung Spacing, Add	17.96	
		For 18" Rung Spacing, Deduct	-1.63	
		For Solid Bottom, Add	34.18	
		For Vented Trough Bottom, Add	38.28	
26 05 36 00-2543	EA	9" Horizontal Tee, Fiberglass Cable Tray	182.00	76.11
		For 9" Rung Spacing, Add	2.38	
		For 6" Rung Spacing, Add	10.18	
		For 4" Rung Spacing, Add	18.67	
		For 18" Rung Spacing, Deduct	-1.70	
		For Solid Bottom, Add	37.48	
		For Vented Trough Bottom, Add	41.42	
26 05 36 00-2544	EA	12" Horizontal Tee, Fiberglass Cable Tray	206.63	90.76
		For 9" Rung Spacing, Add	2.47	
		For 6" Rung Spacing, Add	10.57	
		For 4" Rung Spacing, Add	19.38	
		For 18" Rung Spacing, Deduct	-1.76	
		For Solid Bottom, Add	41.57	
		For Vented Trough Bottom, Add	45.21	
26 05 36 00-2545	EA	18" Horizontal Tee, Fiberglass Cable Tray	230.56	102.04
		For 9" Rung Spacing, Add	2.71	
		For 6" Rung Spacing, Add	11.64	
		For 4" Rung Spacing, Add	21.33	
		For 18" Rung Spacing, Deduct	-1.94	
		For Solid Bottom, Add	46.22	
		For Vented Trough Bottom, Add	50.15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2546 EA 24" Horizontal Tee, Fiberglass Cable Tray	242.70	106.32
For 9" Rung Spacing, Add	2.91	
For 6" Rung Spacing, Add	12.48	
For 4" Rung Spacing, Add	22.89	
For 18" Rung Spacing, Deduct	-2.08	
For Solid Bottom, Add	48.89	
For Vented Trough Bottom, Add	53.22	
26 05 36 00-2547 EA 30" Horizontal Tee, Fiberglass Cable Tray	260.50	112.41
For 9" Rung Spacing, Add	3.22	
For 6" Rung Spacing, Add	13.79	
For 4" Rung Spacing, Add	25.29	
For 18" Rung Spacing, Deduct	-2.30	
For Solid Bottom, Add	52.87	
For Vented Trough Bottom, Add	57.85	
26 05 36 00-2548 EA 36" Horizontal Tee, Fiberglass Cable Tray	283.11	121.10
For 9" Rung Spacing, Add	3.56	
For 6" Rung Spacing, Add	15.24	
For 4" Rung Spacing, Add	27.93	
For 18" Rung Spacing, Deduct	-2.54	
For Solid Bottom, Add	57.70	
For Vented Trough Bottom, Add	63.32	
26 05 36 00-2549 Horizontal Crosses (26 05 36 00-2516)		
26 05 36 00-2550 EA 6" Horizontal Cross, Fiberglass Cable Tray	252.25	112.41
For 9" Rung Spacing, Add	2.93	
For 6" Rung Spacing, Add	12.56	
For 4" Rung Spacing, Add	23.02	
For 18" Rung Spacing, Deduct	-2.09	
For Solid Bottom, Add	50.39	
For Vented Trough Bottom, Add	54.55	
26 05 36 00-2551 EA 9" Horizontal Cross, Fiberglass Cable Tray	267.70	121.10
For 9" Rung Spacing, Add	3.02	
For 6" Rung Spacing, Add	12.93	
For 4" Rung Spacing, Add	23.70	
For 18" Rung Spacing, Deduct	-2.15	
For Solid Bottom, Add	53.08	
For Vented Trough Bottom, Add	57.16	
26 05 36 00-2552 EA 12" Horizontal Cross, Fiberglass Cable Tray	283.14	129.79
For 9" Rung Spacing, Add	3.10	
For 6" Rung Spacing, Add	13.30	
For 4" Rung Spacing, Add	24.38	
For 18" Rung Spacing, Deduct	-2.22	
For Solid Bottom, Add	55.77	
For Vented Trough Bottom, Add	59.77	
26 05 36 00-2553 EA 18" Horizontal Cross, Fiberglass Cable Tray	303.17	138.35
For 9" Rung Spacing, Add	3.35	
For 6" Rung Spacing, Add	14.36	
For 4" Rung Spacing, Add	26.32	
For 18" Rung Spacing, Deduct	-2.39	
For Solid Bottom, Add	59.83	
For Vented Trough Bottom, Add	64.22	
26 05 36 00-2554 EA 24" Horizontal Cross, Fiberglass Cable Tray	321.56	147.03
For 9" Rung Spacing, Add	3.54	
For 6" Rung Spacing, Add	15.17	
For 4" Rung Spacing, Add	27.81	
For 18" Rung Spacing, Deduct	-2.53	
For Solid Bottom, Add	63.41	
For Vented Trough Bottom, Add	68.01	
26 05 36 00-2555 EA 30" Horizontal Cross, Fiberglass Cable Tray	343.48	155.72
For 9" Rung Spacing, Add	3.85	
For 6" Rung Spacing, Add	16.52	
For 4" Rung Spacing, Add	30.28	
For 18" Rung Spacing, Deduct	-2.75	
For Solid Bottom, Add	68.04	
For Vented Trough Bottom, Add	73.21	
26 05 36 00-2556 EA 36" Horizontal Cross, Fiberglass Cable Tray	371.88	166.86
For 9" Rung Spacing, Add	4.26	
For 6" Rung Spacing, Add	18.24	
For 4" Rung Spacing, Add	33.45	
For 18" Rung Spacing, Deduct	-3.04	
For Solid Bottom, Add	74.03	
For Vented Trough Bottom, Add	79.93	
26 05 36 00-2557 Horizontal Wyes (26 05 36 00-2516)		
26 05 36 00-2558 EA 6" Horizontal Wye, Fiberglass Cable Tray	155.94	64.82
For 9" Rung Spacing, Add	2.05	
For 6" Rung Spacing, Add	8.81	
For 4" Rung Spacing, Add	16.14	
For 18" Rung Spacing, Deduct	-1.47	
For Solid Bottom, Add	32.20	
For Vented Trough Bottom, Add	35.64	
26 05 36 00-2559 EA 9" Horizontal Wye, Fiberglass Cable Tray	164.81	69.23
For 9" Rung Spacing, Add	2.14	
For 6" Rung Spacing, Add	9.16	
For 4" Rung Spacing, Add	16.80	
For 18" Rung Spacing, Deduct	-1.53	
For Solid Bottom, Add	33.88	
For Vented Trough Bottom, Add	37.40	

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 36 00-2560	EA	12" Horizontal Wye, Fiberglass Cable Tray	199.56	90.76
		For 9" Rung Spacing, Add	2.22	
		For 6" Rung Spacing, Add	9.51	
		For 4" Rung Spacing, Add	17.44	
		For 18" Rung Spacing, Deduct	-1.59	
		For Solid Bottom, Add	39.45	
		For Vented Trough Bottom, Add	42.39	
26 05 36 00-2561	EA	18" Horizontal Wye, Fiberglass Cable Tray	222.79	102.04
		For 9" Rung Spacing, Add	2.44	
		For 6" Rung Spacing, Add	10.47	
		For 4" Rung Spacing, Add	19.19	
		For 18" Rung Spacing, Deduct	-1.74	
		For Solid Bottom, Add	43.89	
		For Vented Trough Bottom, Add	47.04	
26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	234.22	106.32
		For 9" Rung Spacing, Add	2.62	
		For 6" Rung Spacing, Add	11.21	
		For 4" Rung Spacing, Add	20.55	
		For 18" Rung Spacing, Deduct	-1.87	
		For Solid Bottom, Add	46.34	
		For Vented Trough Bottom, Add	49.83	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	251.30	112.41
		For 9" Rung Spacing, Add	2.90	
		For 6" Rung Spacing, Add	12.41	
		For 4" Rung Spacing, Add	22.76	
		For 18" Rung Spacing, Deduct	-2.07	
		For Solid Bottom, Add	50.11	
		For Vented Trough Bottom, Add	54.17	
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	272.95	121.10
		For 9" Rung Spacing, Add	3.20	
		For 6" Rung Spacing, Add	13.71	
		For 4" Rung Spacing, Add	25.14	
		For 18" Rung Spacing, Deduct	-2.29	
		For Solid Bottom, Add	54.66	
		For Vented Trough Bottom, Add	59.26	

26 05 36 00-2565 Straight Reducers (26 05 36 00-2516)

26 05 36 00-2566	EA	9" To 6" Reducer, Fiberglass Cable Tray	72.14	25.93
		For 9" Rung Spacing, Add	1.16	
		For 6" Rung Spacing, Add	4.99	
		For 4" Rung Spacing, Add	9.14	
		For 18" Rung Spacing, Deduct	-0.83	
		For Solid Bottom, Add	15.81	
		For Vented Trough Bottom, Add	18.16	
26 05 36 00-2567	EA	12" To 9" Reducer, Fiberglass Cable Tray	79.10	30.21
		For 9" Rung Spacing, Add	1.18	
		For 6" Rung Spacing, Add	5.06	
		For 4" Rung Spacing, Add	9.28	
		For 18" Rung Spacing, Deduct	-0.84	
		For Solid Bottom, Add	16.92	
		For Vented Trough Bottom, Add	19.16	
26 05 36 00-2568	EA	18" To 12" Reducer, Fiberglass Cable Tray	86.05	34.62
		For 9" Rung Spacing, Add	1.20	
		For 6" Rung Spacing, Add	5.13	
		For 4" Rung Spacing, Add	9.40	
		For 18" Rung Spacing, Deduct	-0.85	
		For Solid Bottom, Add	18.04	
		For Vented Trough Bottom, Add	20.16	
26 05 36 00-2569	EA	24" To 18" Reducer, Fiberglass Cable Tray	92.41	37.99
		For 9" Rung Spacing, Add	1.24	
		For 6" Rung Spacing, Add	5.30	
		For 4" Rung Spacing, Add	9.72	
		For 18" Rung Spacing, Deduct	-0.88	
		For Solid Bottom, Add	19.17	
		For Vented Trough Bottom, Add	21.28	
26 05 36 00-2570	EA	30" To 24" Reducer, Fiberglass Cable Tray	103.50	41.49
		For 9" Rung Spacing, Add	1.44	
		For 6" Rung Spacing, Add	6.19	
		For 4" Rung Spacing, Add	11.35	
		For 18" Rung Spacing, Deduct	-1.03	
		For Solid Bottom, Add	21.71	
		For Vented Trough Bottom, Add	24.28	
26 05 36 00-2571	EA	36" To 30" Reducer, Fiberglass Cable Tray	116.65	45.89
		For 9" Rung Spacing, Add	1.68	
		For 6" Rung Spacing, Add	7.19	
		For 4" Rung Spacing, Add	13.18	
		For 18" Rung Spacing, Deduct	-1.20	
		For Solid Bottom, Add	24.69	
		For Vented Trough Bottom, Add	27.76	

26 05 36 00-2572 Vertical Tees (26 05 36 00-2516)

26 05 36 00-2573	EA	6" Vertical Tee, Fiberglass Cable Tray	221.96	64.82
		For 9" Rung Spacing, Add	4.37	
		For 6" Rung Spacing, Add	18.71	
		For 4" Rung Spacing, Add	34.30	
		For 18" Rung Spacing, Deduct	-3.12	
		For Solid Bottom, Add	52.00	
		For Vented Trough Bottom, Add	62.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2574	EA		9" Vertical Tee, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	229.98 4.42 18.94 34.72 -3.16 53.44 63.47	69.23
26 05 36 00-2575	EA		12" Vertical Tee, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	263.92 4.47 19.17 35.14 -3.19 58.76 68.13	90.76
26 05 36 00-2576	EA		18" Vertical Tee, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	284.32 4.60 19.70 36.11 -3.28 62.35 71.65	102.04
26 05 36 00-2577	EA		24" Vertical Tee, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	294.10 4.71 20.19 37.02 -3.37 64.31 73.78	106.32
26 05 36 00-2578	EA		30" Vertical Tee, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	306.23 4.82 20.65 37.86 -3.44 66.59 76.14	112.41
26 05 36 00-2579	EA		36" Vertical Tee, Fiberglass Cable Tray For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	333.65 5.32 22.82 41.83 -3.80 72.87 83.54	121.10
26 05 36 00-2580			Flextray™ Cable Tray (26 05 36 00-0001)		
26 05 36 00-2581			Flextray™ Cable Tray Straight Sections (26 05 36 00-2580) Note: Includes splicing and splice bars.		
26 05 36 00-2582	LF		2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	22.76	8.17
26 05 36 00-2583	LF		2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.92	8.71
26 05 36 00-2584	LF		2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.31	9.10
26 05 36 00-2585	LF		2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	30.80	9.57
26 05 36 00-2586	LF		2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	32.91	10.03
26 05 36 00-2587	LF		2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	35.24	10.50
26 05 36 00-2588	LF		2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	36.13	10.97
26 05 36 00-2589	LF		2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	37.46	11.28
26 05 36 00-2590	LF		2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.30	11.59
26 05 36 00-2591	LF		4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.34	9.59
26 05 36 00-2592	LF		4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	31.76	9.98
26 05 36 00-2593	LF		4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.31	10.50
26 05 36 00-2594	LF		4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	36.37	11.02
26 05 36 00-2595	LF		4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.61	11.54
26 05 36 00-2596	LF		4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	41.54	12.05
26 05 36 00-2597	LF		4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	43.82	12.45
26 05 36 00-2598	LF		4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	45.52	12.71
26 05 36 00-2599	LF		4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	56.78	13.62
26 05 36 00-2600	LF		6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.02	11.54
26 05 36 00-2601	LF		6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	42.77	12.05
26 05 36 00-2602	LF		6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	44.75	12.58
26 05 36 00-2603	LF		6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	48.06	13.23
26 05 36 00-2604	LF		6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	49.59	13.49
26 05 36 00-2605	LF		6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	59.57	13.87
26 05 36 00-2606			Flextray™ Cable Tray Bends (26 05 36 00-2580) Note: Includes field fabricated bend and 90 degree kit.		
26 05 36 00-2607	EA		2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	17.09	6.09
26 05 36 00-2608	EA		2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	20.94	6.48
26 05 36 00-2609	EA		2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	29.31	9.08
26 05 36 00-2610	EA		2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	46.29	14.39
26 05 36 00-2611	EA		2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	65.82	20.10
26 05 36 00-2612	EA		2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish	88.12	26.32

26 Electrical**26 05 Common Work Results for Electrical****26 05 36 Cable Trays for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 05 36 00-2613	EA	2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	102.15	32.93	
		Note: Field Fabricated			
26 05 36 00-2614	EA	2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	121.86	39.54	
		Note: Field Fabricated			
26 05 36 00-2615	EA	2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	153.21	46.42	
		Note: Field Fabricated			
26 05 36 00-2616	EA	4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	21.95	7.13	
		Note: Field Fabricated			
26 05 36 00-2617	EA	4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	31.80	9.98	
		Note: Field Fabricated			
26 05 36 00-2618	EA	4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	51.45	15.82	
		Note: Field Fabricated			
26 05 36 00-2619	EA	4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	72.76	22.05	
		Note: Field Fabricated			
26 05 36 00-2620	EA	4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	96.49	28.91	
		Note: Field Fabricated			
26 05 36 00-2621	EA	4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	117.10	36.17	
		Note: Field Fabricated			
26 05 36 00-2622	EA	4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	141.74	43.44	
		Note: Field Fabricated			
26 05 36 00-2623	EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	182.11	50.96	
		Note: Field Fabricated			
26 05 36 00-2624	EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	284.02	68.07	
		Note: Field Fabricated			
26 05 36 00-2625	EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	56.96	17.25	
		Note: Field Fabricated			
26 05 36 00-2626	EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	85.60	24.12	
		Note: Field Fabricated			
26 05 36 00-2627	EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	111.89	31.51	
		Note: Field Fabricated			
26 05 36 00-2628	EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	135.09	39.54	
		Note: Field Fabricated			
26 05 36 00-2629	EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	160.06	47.33	
		Note: Field Fabricated			
26 05 36 00-2630	EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish.....	238.26	55.62	
		Note: Field Fabricated			
26 05 36 00-2631		Flextray™ Cable Tray Brackets (26 05 36 00-2580)			
26 05 36 00-2632	EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	43.39	17.12	
26 05 36 00-2633	EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	45.85	17.12	
26 05 36 00-2634	EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	50.03	17.12	
26 05 36 00-2635	EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	60.24	18.67	
26 05 36 00-2636	EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	63.89	18.67	
26 05 36 00-2637	EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	65.12	18.67	
26 05 36 00-2638	EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™.....	66.20	18.67	
26 05 39 Underfloor Raceways for Electrical Systems					
		(26 05 39)			
26 05 39 00-0001		Underfloor Ducts (26 05 39)			
26 05 39 00-0002		Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)			
26 05 39 00-0003		Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)			
26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	115.08	22.82	
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	145.18	26.71	
26 05 39 00-0006		Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)			
26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches.....	193.04	28.91	
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	221.27	32.03	
26 05 39 00-0009		Junction Boxes (26 05 39 00-0001)			
26 05 39 00-0010		One Level Junction Boxes (26 05 39 00-0009)			
26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	294.07	45.38	
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box.....	333.32	48.62	
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box.....	540.80	45.38	
		Note: Isolate each duct and form a continuous raceway through the box in both directions.			
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box.....	365.50	48.62	
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box.....	581.98	63.92	
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct.....	819.45	69.49	
26 05 39 00-0017		Two Level Junction Boxes (26 05 39 00-0009)			
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level.....	1,256.95	45.89	
		Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.			
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	1,446.82	48.62	
26 05 39 00-0020		Elbow Fittings (26 05 39 00-0001)			
26 05 39 00-0021		90 Degree Horizontal Elbow (26 05 39 00-0020)			
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree.....	144.40	16.72	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	148.82	16.72
26 05 39 00-0024		90 Degree Vertical Elbow (26 05 39 00-0020)		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	80.04	16.72
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	81.81	16.72
26 05 39 00-0027		Offset Elbow (26 05 39 00-0020)		
		Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	80.04	19.45
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	81.81	19.45
26 05 39 00-0030		Couplings (26 05 39 00-0001)		
26 05 39 00-0031		Sleeve Couplings (26 05 39 00-0030)		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	50.74	25.93
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	78.70	25.93
26 05 39 00-0034		Expansion Couplings (26 05 39 00-0030)		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	114.35	25.93
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling.....	116.56	27.36
26 05 39 00-0037		Reducing Couplings (26 05 39 00-0030)		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	113.34	3.89
26 05 39 00-0039		Duct Supports (26 05 39 00-0001)		
26 05 39 00-0040		Combination Support And Coupling (26 05 39 00-0039)		
		Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	116.23	54.45
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	129.49	54.45
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	142.85	54.45
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	129.49	60.94
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	156.51	60.94
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	142.85	64.82
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	142.85	64.82
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	156.51	64.82
26 05 39 00-0049		Duct Support Only (26 05 39 00-0039)		
		Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	104.95	47.97
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	123.49	47.97
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	143.50	47.97
26 05 39 00-0053		Underfloor Duct Accessories (26 05 39 00-0001)		
26 05 39 00-0054		Plugs For Unused Junction Box Openings And Duct Ends (26 05 39 00-0053)		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	30.61	3.89
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	31.29	3.89
26 05 39 00-0057		Conduit Adapters (26 05 39 00-0053)		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	42.98	6.48
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	45.66	6.48
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	44.33	6.48
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	45.69	6.48
26 05 39 00-0062		Holders And Caps (26 05 39 00-0053)		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	276.36	54.45
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories.....	531.34	54.45
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	3.57	1.29
26 05 39 00-0066		Underfloor Dust Pans (26 05 39 00-0001)		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan.....	121.38	7.11

26 05 43 Underground Ducts and Raceways for Electrical Systems (26 05)

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 43 00-0001		Precast Concrete Trenches, One Piece Pedestrian Trench (26 05 43)		
		Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002		10" Wide Pedestrian Trench (26 05 43 00-0001)		
26 05 43 00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	92.24	
26 05 43 00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	88.21	
26 05 43 00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	128.11	

26 Electrical**26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 43 00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	122.51
26 05 43 00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench	62.38
26 05 43 00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench	73.89
26 05 43 00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench	61.50

26 05 43 00-0010 20" Wide Pedestrian Trench (26 05 43 00-0001)

26 05 43 00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	116.91
26 05 43 00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	109.78
26 05 43 00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	158.39
26 05 43 00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	151.89
26 05 43 00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench	78.02
26 05 43 00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench	113.70
26 05 43 00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench	76.90

26 05 43 00-0018 30" Wide Pedestrian Trench (26 05 43 00-0001)

26 05 43 00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	149.28
26 05 43 00-0020	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	175.40
26 05 43 00-0021	LF	Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	186.78
26 05 43 00-0022	LF	Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	179.39
26 05 43 00-0023	EA	End Wall, 30" Wide x 15" Deep Pedestrian Trench	111.96
26 05 43 00-0024	EA	End Wall, 30" Wide x 24" Deep Pedestrian Trench	151.90
26 05 43 00-0025	LF	Lid, Concrete, 30" Wide Pedestrian Trench	96.00

26 05 43 00-0026 40" Wide Pedestrian Trench (26 05 43 00-0001)

26 05 43 00-0027	LF	Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	178.83
26 05 43 00-0028	LF	Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	172.10
26 05 43 00-0029	LF	Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	218.83
26 05 43 00-0030	LF	Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	210.60
26 05 43 00-0031	EA	End Wall, 40" Wide x 15" Deep Pedestrian Trench	143.31
26 05 43 00-0032	EA	End Wall, 40" Wide x 24" Deep Pedestrian Trench	194.20
26 05 43 00-0033	LF	Lid, Concrete, 40" Wide Pedestrian Trench	113.47

26 05 43 00-0034 Precast Concrete Trenches, One Piece Medium Vehicle Trench (26 05 43)
Note: Rated for 7,000 Lb Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.**26 05 43 00-0035 10" Wide Medium Vehicle Trench (26 05 43 00-0034)**

26 05 43 00-0036	LF	Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	112.03
26 05 43 00-0037	LF	Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	106.80
26 05 43 00-0038	LF	Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	155.57
26 05 43 00-0039	LF	Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	148.33
26 05 43 00-0040	EA	End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	73.38
26 05 43 00-0041	EA	End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	85.42
26 05 43 00-0042	LF	Lid, Concrete 10" Wide Medium Vehicle Trench	74.69
26 05 43 00-0043	LF	Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	332.43

26 05 43 00-0044 20" Wide Medium Vehicle Trench (26 05 43 00-0034)

26 05 43 00-0045	LF	Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	141.07
26 05 43 00-0046	LF	Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	131.87
26 05 43 00-0047	LF	Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	190.24
26 05 43 00-0048	LF	Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	181.84
26 05 43 00-0049	EA	End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	90.75
26 05 43 00-0050	EA	End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	132.43
26 05 43 00-0051	LF	Lid, Concrete 20" Wide Medium Vehicle Trench	93.39
26 05 43 00-0052	LF	Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	440.86

26 05 43 00-0053 30" Wide Medium Vehicle Trench (26 05 43 00-0034)

26 05 43 00-0054	LF	Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	141.94
26 05 43 00-0055	LF	Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	170.31
26 05 43 00-0056	LF	Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	223.04
26 05 43 00-0057	LF	Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	213.48
26 05 43 00-0058	EA	End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	129.52
26 05 43 00-0059	EA	End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	177.89
26 05 43 00-0060	LF	Lid, Concrete 30" Wide Medium Vehicle Trench	116.90
26 05 43 00-0061	LF	Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	550.37

26 05 43 00-0062 40" Wide Medium Vehicle Trench (26 05 43 00-0034)

26 05 43 00-0063	LF	Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	211.78
26 05 43 00-0064	LF	Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	203.09
26 05 43 00-0065	LF	Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	259.25
26 05 43 00-0066	LF	Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	248.59
26 05 43 00-0067	EA	End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	165.80
26 05 43 00-0068	EA	End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	227.39
26 05 43 00-0069	LF	Lid, Concrete 40" Wide Medium Vehicle Trench	137.63
26 05 43 00-0070	LF	Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	748.26

26 05 43 00-0071 Precast Concrete Trenches, One Piece H20 Road Crossing Trench (26 05 43)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

Note: H20 Rated for 32,000 Lb Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.

26 05 43 00-0072			10" Wide H20 Road Crossing Trench (26 05 43 00-0071)		
26 05 43 00-0073	LF		Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	242.52	
26 05 43 00-0074	LF		Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	230.80	
26 05 43 00-0075	LF		Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	302.95	
26 05 43 00-0076	LF		Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	288.16	
26 05 43 00-0077	LF		Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	232.86	
26 05 43 00-0078	LF		Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	221.70	
26 05 43 00-0079	LF		Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	293.29	
26 05 43 00-0080	LF		Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	279.09	
26 05 43 00-0081	EA		End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	160.35	
26 05 43 00-0082	EA		End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	217.05	
26 05 43 00-0083	EA		End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	145.02	
26 05 43 00-0084	EA		End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	201.38	
26 05 43 00-0085	LF		Lid, Concrete 10" Wide Road Crossing Trench	111.91	
26 05 43 00-0086	LF		Lid, Galvanized Steel 10" Wide Road Crossing Trench	360.75	

26 05 43 00-0087			20" Wide H20 Road Crossing Trench (26 05 43 00-0071)		
26 05 43 00-0088	LF		Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	257.07	
26 05 43 00-0089	LF		Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	245.04	
26 05 43 00-0090	LF		Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	340.06	
26 05 43 00-0091	LF		Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	323.97	
26 05 43 00-0092	LF		Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	257.07	
26 05 43 00-0093	LF		Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	245.04	
26 05 43 00-0094	LF		Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	330.40	
26 05 43 00-0095	LF		Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	314.90	
26 05 43 00-0096	EA		End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	229.04	
26 05 43 00-0097	EA		End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	311.70	
26 05 43 00-0098	EA		End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	206.72	
26 05 43 00-0099	EA		End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	289.38	
26 05 43 00-0100	LF		Lid, Concrete 20" Wide Road Crossing Trench	124.78	
26 05 43 00-0101	LF		Lid, Galvanized Steel 20" Wide Road Crossing Trench	535.16	

26 05 43 00-0102			30" Wide H20 Road Crossing Trench (26 05 43 00-0071)		
26 05 43 00-0103	LF		Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	303.50	
26 05 43 00-0104	LF		Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	289.73	
26 05 43 00-0105	LF		Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	375.26	
26 05 43 00-0106	LF		Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	358.16	
26 05 43 00-0107	LF		Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	293.83	
26 05 43 00-0108	LF		Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	280.64	
26 05 43 00-0109	LF		Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	365.59	
26 05 43 00-0110	LF		Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	348.77	
26 05 43 00-0111	EA		End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	305.46	
26 05 43 00-0112	EA		End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	404.48	
26 05 43 00-0113	EA		End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	276.14	
26 05 43 00-0114	EA		End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	375.16	
26 05 43 00-0115	LF		Lid, Concrete 30" Wide Road Crossing Trench	157.95	
26 05 43 00-0116	LF		Lid, Galvanized Steel 30" Wide Road Crossing Trench	671.09	

26 05 43 00-0117			40" Wide H20 Road Crossing Trench (26 05 43 00-0071)		
26 05 43 00-0118	LF		Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	335.01	
26 05 43 00-0119	LF		Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	320.22	
26 05 43 00-0120	LF		Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	412.44	
26 05 43 00-0121	LF		Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	393.87	
26 05 43 00-0122	LF		Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	325.35	
26 05 43 00-0123	LF		Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	311.15	
26 05 43 00-0124	LF		Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	402.77	
26 05 43 00-0125	LF		Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	384.78	
26 05 43 00-0126	EA		End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	379.06	
26 05 43 00-0127	EA		End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	501.64	
26 05 43 00-0128	EA		End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	343.08	
26 05 43 00-0129	EA		End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	465.65	
26 05 43 00-0130	LF		Lid, Concrete 40" Wide Road Crossing Trench	190.78	
26 05 43 00-0131	LF		Lid, Galvanized Steel 40" Wide Road Crossing Trench	912.54	

26 05 46 Utility Poles for Electrical Systems (26 05)

26 05 46 00-0001			Wood Poles (26 05 46)		
26 05 46 00-0002			Wood Pole, Class 3, Penta-Treated To 8 Lb. Retention (26 05 46 00-0001)		
			Note: Machine dig and set.		
26 05 46 00-0003	EA		25' Treated Wood Pole, Class 3, Machine Dig And Set	1,044.13	337.78
			For Class 1 Pole, Add	128.95	
			For Class 2 Pole, Add	73.69	
			For Class 4 Pole, Deduct	-36.84	
			For Class 5 Pole, Deduct	-110.53	
			For Class 6 Pole, Deduct	-147.38	

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 46 00-0004	EA 30' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,249.83		374.78
	For Class 1 Pole, Add	175.08		
	For Class 2 Pole, Add	100.05		
	For Class 4 Pole, Deduct	-50.02		
	For Class 5 Pole, Deduct	-150.07		
	For Class 6 Pole, Deduct	-200.09		
26 05 46 00-0005	EA 35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,620.24		495.66
	For Class 1 Pole, Add	220.16		
	For Class 2 Pole, Add	125.81		
	For Class 4 Pole, Deduct	-62.90		
	For Class 5 Pole, Deduct	-188.71		
	For Class 6 Pole, Deduct	-251.62		
26 05 46 00-0006	EA 40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,854.15		545.18
	For Class 1 Pole, Add	267.34		
	For Class 2 Pole, Add	152.77		
	For Class 4 Pole, Deduct	-76.38		
	For Class 5 Pole, Deduct	-229.15		
	For Class 6 Pole, Deduct	-305.53		
26 05 46 00-0007	EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,119.14		607.21
	For Class 1 Pole, Add	316.61		
	For Class 2 Pole, Add	180.92		
	For Class 4 Pole, Deduct	-90.46		
	For Class 5 Pole, Deduct	-271.38		
	For Class 6 Pole, Deduct	-361.84		
26 05 46 00-0008	EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,411.29		681.47
	For Class 1 Pole, Add	366.94		
	For Class 2 Pole, Add	209.68		
	For Class 4 Pole, Deduct	-104.84		
	For Class 5 Pole, Deduct	-314.52		
	For Class 6 Pole, Deduct	-419.36		
26 05 46 00-0009	EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,697.35		749.55
	For Class 1 Pole, Add	419.36		
	For Class 2 Pole, Add	239.63		
	For Class 4 Pole, Deduct	-119.82		
	For Class 5 Pole, Deduct	-359.45		
	For Class 6 Pole, Deduct	-479.26		
26 05 46 00-0010	EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,014.50		824.24
	For Class 1 Pole, Add	478.07		
	For Class 2 Pole, Add	273.18		
	For Class 4 Pole, Deduct	-136.59		
	For Class 5 Pole, Deduct	-409.77		
	For Class 6 Pole, Deduct	-546.36		
26 05 46 00-0011	EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,944.07		898.36
	For Class 1 Pole, Add	1,101.55		
	For Class 2 Pole, Add	629.46		
	For Class 4 Pole, Deduct	-314.73		
	For Class 5 Pole, Deduct	-944.19		
	For Class 6 Pole, Deduct	-1,258.92		
26 05 46 00-0012	EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,429.86		955.64
	For Class 1 Pole, Add	1,231.49		
	For Class 2 Pole, Add	703.71		
	For Class 4 Pole, Deduct	-351.86		
	For Class 5 Pole, Deduct	-1,055.57		
	For Class 6 Pole, Deduct	-1,407.42		
26 05 46 00-0013	EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,969.22		1,020.70
	For Class 1 Pole, Add	1,374.72		
	For Class 2 Pole, Add	785.56		
	For Class 4 Pole, Deduct	-392.78		
	For Class 5 Pole, Deduct	-1,178.33		
	For Class 6 Pole, Deduct	-1,571.11		
26 05 46 00-0014	Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)			
26 05 46 00-0015	LF Removal And Relocation Of Up To 75' Wood Pole With Cross Arms.....	28.79		
26 05 46 00-0016	Crossarms (26 05 46)			
	Note: Includes hardware and braces.			
26 05 46 00-0017	Wood Single Arm Crossarms (26 05 46 00-0016)			
26 05 46 00-0018	EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	245.92		100.74
26 05 46 00-0019	EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	297.35		100.74
26 05 46 00-0020	EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	312.21		129.53
26 05 46 00-0021	Wood Double Arm Crossarms (26 05 46 00-0016)			
26 05 46 00-0022	EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	633.61		280.65
26 05 46 00-0023	EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	674.58		280.65
26 05 46 00-0024	EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	702.32		280.65
26 05 46 00-0025	Fiberglass Crossarms (26 05 46 00-0016)			
	Note: Includes hardware.			
26 05 46 00-0026	Single Phase, 15 Degree Angle (26 05 46 00-0025)			
26 05 46 00-0027	EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 Lb.	285.39		
26 05 46 00-0028	EA Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 Lb.	359.47		60.44
26 05 46 00-0029	EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 Lb.	373.87		64.76

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0030		Two Phase, 15 Degree Angle (26 05 46 00-0025)		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 Lb.....	447.69	77.72
26 05 46 00-0032		Fiberglass Crossarm Accessories (26 05 46 00-0025)		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 Lb. Per Conductor.....	701.05	99.30
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 Lb. Per Conductor.....	830.94	120.90
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	121.92	17.27
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket.....	609.62	86.36
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm.....	480.90	143.92
26 05 46 00-0038		Insulator Support System (26 05 46 00-0016)		
26 05 46 00-0039		Epoxy Construction Units, In Place Mounting (26 05 46 00-0038)		
		Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting.....	144.42	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting.....	117.94	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting.....	340.93	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting.....	230.68	
26 05 46 00-0044		Epoxy Construction Units, Grounding Mounting (26 05 46 00-0038)		
		Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting.....	102.77	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting.....	90.18	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting.....	313.17	
26 05 46 00-0048		Guying (26 05 46)		
		Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		Down Guy (26 05 46 00-0048)		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole.....	1,002.83	402.98
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole.....	1,021.47	402.98
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole.....	1,059.82	402.98
26 05 46 00-0053	EA	Guy Guard, Plastic.....	41.85	
26 05 46 00-0054		Head Guy, 50' Spans (26 05 46 00-0048)		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole.....	1,442.15	618.86
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole.....	1,442.15	618.86
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole.....	1,442.15	618.86
26 05 46 00-0058		Guy Strain Insulators Additional Insulators (26 05 46 00-0048)		
		Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator.....	611.42	302.23
26 05 46 00-0060		Pole Anchor (26 05 46 00-0048)		
		Note: Joslyn.		
26 05 46 00-0061	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft.....	70.63	29.56
26 05 46 00-0062	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft.....	80.29	29.56
26 05 46 00-0063	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft.....	107.66	33.26
26 05 46 00-0064	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft.....	152.18	36.96
26 05 46 00-0065	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft.....	173.95	40.65
26 05 46 00-0066	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft.....	280.00	55.43
26 05 46 00-0067		Insulators (26 05 46)		
26 05 46 00-0068		Pin Insulator With Pin (26 05 46 00-0067)		
26 05 46 00-0069	EA	5 KV Class 55-3, Pin Insulator With Pin.....	192.96	86.36
26 05 46 00-0070	EA	15 KV Class 55-5, Pin Insulator With Pin.....	198.40	86.36
26 05 46 00-0071		Suspension Insulator (26 05 46 00-0067)		
		Note: Includes clevis and strain clamp.		
26 05 46 00-0072	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	244.83	115.14
26 05 46 00-0073	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	259.63	115.14
26 05 46 00-0074	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	363.86	143.92
26 05 46 00-0075	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	575.85	230.27
26 05 46 00-0076		Spool Insulator With Clevis (26 05 46 00-0067)		
26 05 46 00-0077	EA	5 KV Class 53-5, Spool Insulator With Clevis.....	81.51	35.98
26 05 46 00-0078	EA	15 KV Class, Spool Insulator With Clevis.....	261.21	129.53
26 05 46 00-0079	EA	25 KV Class, Spool Insulator With Clevis.....	338.80	129.53
26 05 46 00-0080		Secondary Rack (26 05 46 00-0067)		
26 05 46 00-0081	EA	1 Spool Secondary Rack.....	161.96	71.96
26 05 46 00-0082	EA	2 Spool Secondary Rack.....	166.74	91.82
26 05 46 00-0083	EA	3 Spool Secondary Rack.....	249.70	122.34

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 46 00-0084	EA	4 Spool Secondary Rack	280.67	122.34
26 05 46 00-0085		Outdoor Load Break Switches (26 05 46) Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0086		7.2 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0087	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,173.76	489.33
26 05 46 00-0088	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	10,161.46	489.33
26 05 46 00-0089	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,137.01	827.56
26 05 46 00-0090	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,434.60	827.56
26 05 46 00-0091		14.4 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0092	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,328.25	489.33
26 05 46 00-0093	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,014.28	489.33
26 05 46 00-0094	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,137.01	827.56
26 05 46 00-0095	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,434.60	827.56
26 05 46 00-0096		23 KV Outdoor Load Break Switches (26 05 46 00-0085)		
26 05 46 00-0097	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,976.27	568.50
26 05 46 00-0098	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	13,144.89	568.50
26 05 46 00-0099	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,809.72	978.67
26 05 46 00-0100	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	16,117.06	978.67
26 05 46 00-0101		Square Distribution Poles (26 05 46)		
26 05 46 00-0102		Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0103	EA	20', Steel Taped Shaft Distribution Pole	3,841.86	611.67
26 05 46 00-0104	EA	25', Steel Taped Shaft Distribution Pole	4,295.74	647.65
26 05 46 00-0105	EA	30', Steel Taped Shaft Distribution Pole	4,659.45	719.61
26 05 46 00-0106	EA	35', Steel Taped Shaft Distribution Pole	5,156.35	791.57
26 05 46 00-0107	EA	40', Steel Taped Shaft Distribution Pole	7,009.43	863.54
26 05 46 00-0108		Square Prestressed Concrete Distribution Poles (26 05 46 00-0101)		
26 05 46 00-0109	EA	30', Prestressed Concrete Square Pole For Distribution	5,445.57	1,087.94
26 05 46 00-0110	EA	35', Prestressed Concrete Square Pole For Distribution	6,153.22	1,193.23
26 05 46 00-0111	EA	40', Prestressed Concrete Square Pole For Distribution	7,221.58	1,333.61
26 05 46 00-0112	EA	45', Prestressed Concrete Square Pole For Distribution	8,137.56	1,473.99
26 05 46 00-0113	EA	50', Prestressed Concrete Square Pole For Distribution	6,308.02	1,789.84
26 05 46 00-0114	EA	55', Prestressed Concrete Square Pole For Distribution	11,477.67	2,105.71
26 05 46 00-0115	EA	60', Prestressed Concrete Square Pole For Distribution	13,543.65	2,386.46
26 05 46 00-0116	EA	65', Prestressed Concrete Square Pole For Distribution	16,346.85	2,947.99
26 05 46 00-0117	EA	70', Prestressed Concrete Square Pole For Distribution	18,311.48	3,228.74
26 05 46 00-0118		Aluminum Tapered Poles (26 05 46)		
26 05 46 00-0119		Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0118)		
26 05 46 00-0120	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,807.74	539.71
26 05 46 00-0121	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,343.03	575.69
26 05 46 00-0122	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,147.42	647.65
26 05 46 00-0123	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	7,302.10	719.61
26 05 46 00-0124	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	11,112.62	791.57
26 05 46 00-0125		Steel Service Poles Distribution (26 05 46) Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0126		Round Tapered Pole (26 05 46 00-0125)		
26 05 46 00-0127	EA	40', Galvanized Steel Tapered Round Pole For Distribution	5,295.00	863.54
26 05 46 00-0128	EA	45', Galvanized Steel Tapered Round Pole For Distribution	6,159.16	935.49
26 05 46 00-0129	EA	50', Galvanized Steel Tapered Round Pole For Distribution	6,561.37	1,007.45
26 05 46 00-0130	EA	55', Galvanized Steel Tapered Round Pole For Distribution	7,729.93	1,151.38
26 05 46 00-0131	EA	60', Galvanized Steel Tapered Round Pole For Distribution	9,570.98	1,295.30
26 05 46 00-0132	EA	65', Galvanized Steel Tapered Round Pole For Distribution	11,305.78	1,649.47
26 05 46 00-0133	EA	70', Galvanized Steel Tapered Round Pole For Distribution	12,582.02	1,871.27
26 05 46 00-0134	EA	75', Galvanized Steel Tapered Round Pole For Distribution	13,904.83	2,105.71
26 05 46 00-0135	EA	80', Galvanized Steel Tapered Round Pole For Distribution	15,598.23	2,386.46
26 05 46 00-0136	EA	85', Galvanized Steel Tapered Round Pole For Distribution	16,670.05	2,526.84
26 05 46 00-0137	EA	90', Galvanized Steel Tapered Round Pole For Distribution	18,082.10	2,807.61
26 05 46 00-0138	EA	95', Galvanized Steel Tapered Round Pole For Distribution	19,897.20	3,158.55
26 05 46 00-0139	EA	100', Galvanized Steel Tapered Round Pole For Distribution	21,948.17	3,579.69
26 05 46 00-0140		12 Sided Tapered (26 05 46 00-0125)		
26 05 46 00-0141	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,119.74	863.54
26 05 46 00-0142	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,066.76	935.49
26 05 46 00-0143	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	11,151.26	1,007.45
26 05 46 00-0144	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,247.36	1,151.38
26 05 46 00-0145	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,300.65	1,295.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0146	EA		65', Galvanized Steel Tapered 12 Sided Pole For Distribution	18,076.84	1,649.47
26 05 46 00-0147	EA		70', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,945.00	1,871.27
26 05 46 00-0148	EA		75', Galvanized Steel Tapered 12 Sided Pole For Distribution	22,531.41	2,105.71
26 05 46 00-0149	EA		80', Galvanized Steel Tapered 12 Sided Pole For Distribution	24,213.98	2,386.46
26 05 46 00-0150	EA		85', Galvanized Steel Tapered 12 Sided Pole For Distribution	25,653.35	2,526.84
26 05 46 00-0151	EA		90', Galvanized Steel Tapered 12 Sided Pole For Distribution	29,127.66	2,807.61
26 05 46 00-0152	EA		95', Galvanized Steel Tapered 12 Sided Pole For Distribution	30,911.80	3,158.55
26 05 46 00-0153	EA		100', Galvanized Steel Tapered 12 Sided Pole For Distribution	33,035.08	3,579.69
26 05 46 00-0154	EA		105', Galvanized Steel Tapered 12 Sided Pole For Distribution	35,308.68	4,000.83
26 05 46 00-0155 Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0125)					
26 05 46 00-0156	EA		Ladder Clips.....	24.55	
26 05 46 00-0157	EA		Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	184.22	
26 05 46 00-0158	EA		Ground Sleeve-2' At Ground Line.....	185.29	
26 05 46 00-0159 Arms With Baseplates And Endplates (26 05 46 00-0125)					
26 05 46 00-0160	EA		4' Arm With Baseplate And Endplate	830.19	143.92
26 05 46 00-0161	EA		5' Arm With Baseplate And Endplate	903.73	143.92
26 05 46 00-0162	EA		6' Arm With Baseplate And Endplate	1,122.31	215.89
26 05 46 00-0163	EA		7' Arm With Baseplate And Endplate	1,186.63	215.89
26 05 46 00-0164	EA		8' Arm With Baseplate And Endplate	1,403.00	287.85
26 05 46 00-0165	EA		9' Arm With Baseplate And Endplate	1,476.50	287.85
26 05 46 00-0166	EA		10' Arm With Baseplate And Endplate	1,960.58	359.80
26 05 46 00-0167	EA		11' Arm With Baseplate And Endplate	2,043.09	359.80
26 05 46 00-0168 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0125)					
26 05 46 00-0169	EA		15,000 Lb. Standard Vangs Load Bearing At Any Angle	348.50	143.92
26 05 46 00-0170	EA		30,000 Lb. Standard Vangs Load Bearing At Any Angle	393.55	143.92
26 05 46 00-0171	EA		45,000 Lb. Standard Vangs Load Bearing At Any Angle	455.16	143.92
26 05 46 00-0172 Armless Construction Brackets (26 05 46 00-0125)					
26 05 46 00-0173 Verticals Insulator And Equipment Bracket (26 05 46 00-0172)					
26 05 46 00-0174	EA		7" 1 Position Vertical Insulation And Equipment Bracket.....	355.84	143.92
26 05 46 00-0175	EA		12" 1 Position Vertical Insulation And Equipment Bracket.....	384.29	143.92
26 05 46 00-0176	EA		12" 3 Position Vertical Insulation And Equipment Bracket.....	430.50	143.92
26 05 46 00-0177	EA		18" 1 Position Vertical Insulation And Equipment Bracket.....	604.58	215.89
26 05 46 00-0178	EA		18" 3 Position Vertical Insulation And Equipment Bracket.....	631.57	215.89
26 05 46 00-0179 Horizontal And Multiple Insulator Brackets (26 05 46 00-0172)					
26 05 46 00-0180	EA		Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	333.69	143.92
26 05 46 00-0181	EA		Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	393.46	143.92
26 05 46 00-0182	EA		Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	575.63	215.89
26 05 46 00-0183	EA		Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	716.70	215.89
26 05 46 00-0184	EA		Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	919.48	287.85
26 05 46 00-0185	EA		Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	994.35	287.85
26 05 46 00-0186 Pole Top Bracket And Pins (26 05 46 00-0172)					
26 05 46 00-0187	EA		Pole Top Pin - 5".....	342.37	143.92
26 05 46 00-0188	EA		Pole Top Bracket - 5".....	356.88	143.92
26 05 46 00-0189 Angle Pins (26 05 46 00-0172)					
26 05 46 00-0190	EA		Angle Pin - 25 Degree, 6".....	340.41	143.92
26 05 46 00-0191	EA		Angle Pin - 25 Degree, 7 1/4".....	387.54	143.92
26 05 46 00-0192 Static And Neutral Wire Brackets (26 05 46 00-0172)					
26 05 46 00-0193	EA		Neutral Wire Extension Bracket.....	362.85	143.92
26 05 46 00-0194	EA		Static Wire Support Bracket.....	368.23	143.92
26 05 46 00-0195 Cutout, Arrestor And Terminator Brackets (26 05 46 00-0172)					
26 05 46 00-0196	EA		Cutout And Arrestor, With Mounting Bracket	324.40	143.92
26 05 46 00-0197	EA		Equipment Mounting T Bracket.....	348.31	143.92
26 05 46 00-0198	EA		15 KV Cutout	457.78	
26 05 46 00-0199	EA		9/10 KV Arrestor	424.13	143.92
26 05 46 00-0200 Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0172)					
26 05 46 00-0201	EA		Parallel Cable Spacer	401.45	143.92
26 05 46 00-0202	EA		Conduit Standoff Support Bracket	384.28	143.92
26 05 46 00-0203	EA		Three Transformer Pole Mounted Cluster Bracket	979.42	143.92
26 05 46 00-0204 15 KV, 200 Amperes, Solenoid Operated High Voltage Switch (26 05 46 00-0172)					
Note: Includes pole mounting bracket.					

26 Electrical**26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 46 00-0205 EA 15 KV, 1 Phase, Solenoid Switch With Pole Bracket 2,201.92 359.80

26 05 46 00-0206 Octagonal Tapered (26 05 46 00-0125)

26 05 46 00-0207	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	9,404.01	863.54
26 05 46 00-0208	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	10,382.06	935.49
26 05 46 00-0209	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	11,502.73	1,007.45
26 05 46 00-0210	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	12,629.84	1,223.34
26 05 46 00-0211	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	16,827.86	1,295.30
26 05 46 00-0212	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	18,645.40	1,649.47
26 05 46 00-0213	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	21,606.60	1,754.75
26 05 46 00-0214	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	23,236.94	2,105.71
26 05 46 00-0215	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	24,960.85	2,246.08
26 05 46 00-0216	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	26,444.17	2,526.84
26 05 46 00-0217	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	30,029.60	2,667.22
26 05 46 00-0218	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	31,860.26	3,158.55
26 05 46 00-0219	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	34,030.06	3,369.12
26 05 46 00-0220	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	36,355.35	3,790.27

26 05 46 00-0221 Removal And Relocation Of Steel Service Poles (26 05 46 00-0125)

26 05 46 00-0222 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60' 50.36

26 05 46 00-0223 Special Steel Bases For Poles (26 05 46 00-0125)

26 05 46 00-0224	EA	Spin-In Steel Base For Poles.....	293.25	
26 05 46 00-0225	EA	Series 3, 25' Pole And less	324.75	71.96
26 05 46 00-0226	EA	Series 4, 40' Pole And less	386.52	82.76
26 05 46 00-0227	EA	Series 5, 50' Pole And less	441.11	89.95

26 05 53 Identification for Electrical Systems (26 05)**26 05 53 00-0001 Conduit Markers Pressure-Sensitive** (26 05 53)

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	14.64	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	15.29	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	16.60	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	16.86	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	17.11	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	17.51	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	20.57	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	21.09	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	21.47	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	21.88	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	22.69	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	23.56	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	24.32	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	25.09	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	27.57	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	28.99	

26 05 53 00-0018 Labeling Existing Electrical Wires (26 05 53)

Note: Self-adhesive vinyl coated white cloth

26 05 53 00-0019 EA Labeling Existing Wire 3.98

26 05 53 00-0020 Equipment Labeling (26 05 53)

26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	25.52	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	20.42	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	30.62	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	25.52	

26 05 83 Wiring Connections (26 05)**26 05 83 00-0001 Tape Wrapped Compression Connectors** (26 05 83)

26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	17.37	5.83
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	19.04	6.48
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	20.62	7.13
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	23.86	7.78
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	25.67	8.43
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	28.47	9.08
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	30.52	9.72
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	33.24	10.37
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	36.79	11.66
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	38.59	12.32
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	42.96	12.97
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	46.77	13.62
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	52.28	14.91
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	60.66	16.85

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0016 One Hole Compression Lugs (26 05 83)						
26 05 83 00-0017	EA			#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	22.44	16.85
26 05 83 00-0018	EA			#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	22.61	16.85
26 05 83 00-0019	EA			#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	25.59	18.15
26 05 83 00-0020	EA			#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	31.76	20.10
26 05 83 00-0021	EA			#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	44.56	25.93
26 05 83 00-0022	EA			#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	52.11	25.93
26 05 83 00-0023	EA			#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	59.96	25.93
26 05 83 00-0024	EA			1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	73.79	38.90
26 05 83 00-0025	EA			2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	86.43	38.90
26 05 83 00-0026	EA			3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	101.11	38.90
26 05 83 00-0027	EA			4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	121.89	51.87
26 05 83 00-0028	EA			250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	144.54	77.79
26 05 83 00-0029	EA			300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	165.35	77.79
26 05 83 00-0030	EA			350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	177.70	77.79
26 05 83 00-0031	EA			400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	193.59	90.76
26 05 83 00-0032	EA			500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	211.68	90.76
26 05 83 00-0033	EA			750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	230.01	103.72
26 05 83 00-0034	EA			1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	270.74	116.69
26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)						
26 05 83 00-0036	EA			#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	45.88	22.05
26 05 83 00-0037	EA			#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	49.28	23.47
26 05 83 00-0038	EA			#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	51.91	23.47
26 05 83 00-0039	EA			#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	59.74	26.97
26 05 83 00-0040	EA			1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	73.56	33.71
26 05 83 00-0041	EA			2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	86.19	40.06
26 05 83 00-0042	EA			3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	100.84	46.94
26 05 83 00-0043	EA			4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	121.58	56.92
26 05 83 00-0044	EA			250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	144.18	67.55
26 05 83 00-0045	EA			300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	164.94	77.15
26 05 83 00-0046	EA			350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	177.26	83.11
26 05 83 00-0047	EA			400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	193.08	89.99
26 05 83 00-0048	EA			500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	211.10	98.28
26 05 83 00-0049	EA			750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	230.77	106.58
26 05 83 00-0050	EA			1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	285.91	129.66
26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)						
26 05 83 00-0052	EA			#8 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	68.36	51.87
26 05 83 00-0053	EA			#6 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	75.17	55.76
26 05 83 00-0054	EA			#4 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	85.72	58.34
26 05 83 00-0055	EA			#2 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	99.59	64.82
26 05 83 00-0056	EA			1/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	117.65	71.31
26 05 83 00-0057	EA			2/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	132.18	77.79
26 05 83 00-0058	EA			3/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	165.31	84.27
26 05 83 00-0059	EA			4/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	177.37	90.76
26 05 83 00-0060	EA			250 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	186.98	97.24
26 05 83 00-0061	EA			300 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	213.72	106.97
26 05 83 00-0062	EA			350 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	240.45	155.59
26 05 83 00-0063	EA			400 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	263.52	129.66
26 05 83 00-0064	EA			500 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	286.58	175.03
26 05 83 00-0065	EA			750 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	318.67	181.52
26 05 83 00-0066	EA			1,000 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt.....	361.63	194.48
26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)						
26 05 83 00-0068	EA			#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	113.99	51.87
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.23	
26 05 83 00-0069	EA			#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	126.71	51.87
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.87	
26 05 83 00-0070	EA			1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	175.34	77.79
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.22	
26 05 83 00-0071	EA			4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	198.90	77.79
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.87	
26 05 83 00-0072	EA			300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	238.14	97.24
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.94	
26 05 83 00-0073	EA			500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	333.05	129.66
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.04	
26 05 83 00-0074 Terminal Blocks (26 05 83)						
				Note: Labor excludes wire termination.		
26 05 83 00-0075	EA			Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	1,150.26	479.73
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	288.12	
26 05 83 00-0076	EA			#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	302.16	64.92
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.33	
26 05 83 00-0077	EA			#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	334.15	64.92
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.75	
26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection (26 05 83)						
26 05 83 00-0079	EA			#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	45.87	23.47
26 05 83 00-0080	EA			#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	49.28	23.47

26 Electrical**26 05 Common Work Results for Electrical****26 05 83 Wiring Connections**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	51.91	23.47
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	59.74	26.97
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	73.56	33.71
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	86.19	40.06
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	100.84	46.94
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	121.58	56.92
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	144.18	67.55
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	164.94	77.15
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	177.26	83.11
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	193.08	89.99
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	211.10	98.28
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	211.62	98.28
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	45.87	23.47
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	49.28	23.47
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	51.91	23.47
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	59.74	26.97
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	73.56	33.71
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	86.19	40.06
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	100.84	46.94
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	121.58	56.92
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	144.18	67.55
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	164.94	77.15
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	177.26	83.11
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	193.08	89.99
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	211.10	98.28
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	211.62	98.28

26 05 83 00-0107 Copper Mechanical Lugs (26 05 83)

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	36.61	16.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.73	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	43.95	19.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.75	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	50.78	22.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.61	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	66.38	28.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.36	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	89.39	38.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	106.45	45.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.11	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	124.38	51.87
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	141.50	58.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.90	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs.....	161.86	64.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs.....	181.91	71.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.80	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs.....	201.87	77.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.67	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs.....	221.69	84.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.53	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs.....	241.85	90.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.46	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs.....	274.15	103.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.04	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs.....	310.34	116.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.01	

26 05 83 00-0123 Gel Connectors (26 05 83)

26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	69.94	
		Note: Kit contains connector, gel filled cap and cap clamp.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.90	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit.....	67.53	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.68	

26 05 83 00-0126 Other Connections (26 05 83)

26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	12.92	5.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	13.03	5.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	13.14	5.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.56	

26 05 83 00-0130 Motor/Equipment Connections And Terminations (26 05 83)

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.

26 05 83 00-0131 AC Single Phase, 230 Volt (26 05 83 00-0130)

26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	78.25	32.42
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	77.80	32.42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 83 00-0134	EA		3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.31	38.90
26 05 83 00-0135	EA		1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	111.75	48.62
26 05 83 00-0136	EA		1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	112.66	48.62
26 05 83 00-0137	EA		2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	112.84	48.62
26 05 83 00-0138	EA		3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	115.81	48.62
26 05 83 00-0139	EA		5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	148.59	64.82
26 05 83 00-0140	EA		7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	151.93	64.82
26 05 83 00-0141	EA		10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	191.82	81.04

26 05 83 00-0142 AC Three Phase, 230 Volt (26 05 83 00-0130)

26 05 83 00-0143	EA		1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	77.80	32.42
26 05 83 00-0144	EA		3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.31	38.90
26 05 83 00-0145	EA		1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	111.75	48.62
26 05 83 00-0146	EA		1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	112.66	48.62
26 05 83 00-0147	EA		2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	112.84	48.62
26 05 83 00-0148	EA		3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	115.81	48.62
26 05 83 00-0149	EA		5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	148.59	64.82
26 05 83 00-0150	EA		7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	151.93	64.82
26 05 83 00-0151	EA		10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	191.82	81.04
26 05 83 00-0152	EA		15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	196.33	81.04
26 05 83 00-0153	EA		20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	246.50	97.24
26 05 83 00-0154	EA		25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	253.36	97.24
26 05 83 00-0155	EA		30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	344.96	129.66
26 05 83 00-0156	EA		40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	432.32	162.07
26 05 83 00-0157	EA		50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	510.32	194.48
26 05 83 00-0158	EA		60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	606.33	226.90
26 05 83 00-0159	EA		75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	696.58	259.32
26 05 83 00-0160	EA		100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	865.09	324.14
26 05 83 00-0161	EA		125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,022.37	385.73
26 05 83 00-0162	EA		150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,209.20	449.91
26 05 83 00-0163	EA		200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,731.26	674.73

26 05 83 00-0164 AC Three Phase, 460 Volt (26 05 83 00-0130)

26 05 83 00-0165	EA		1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	77.80	32.42
26 05 83 00-0166	EA		3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.31	38.90
26 05 83 00-0167	EA		1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	111.75	48.62
26 05 83 00-0168	EA		1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	112.66	48.62
26 05 83 00-0169	EA		2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	112.84	48.62
26 05 83 00-0170	EA		3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	115.81	48.62
26 05 83 00-0171	EA		5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	148.59	64.82
26 05 83 00-0172	EA		7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	151.93	64.82
26 05 83 00-0173	EA		10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	191.82	81.04
26 05 83 00-0174	EA		15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	196.33	81.04
26 05 83 00-0175	EA		20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	246.51	97.24
26 05 83 00-0176	EA		25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	253.35	97.24
26 05 83 00-0177	EA		30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	344.96	129.66
26 05 83 00-0178	EA		40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	432.71	162.33
26 05 83 00-0179	EA		50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	510.32	194.48
26 05 83 00-0180	EA		60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	606.33	226.90
26 05 83 00-0181	EA		75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	696.58	259.32
26 05 83 00-0182	EA		100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	865.09	324.14
26 05 83 00-0183	EA		125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,022.74	385.86
26 05 83 00-0184	EA		150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,209.70	450.17
26 05 83 00-0185	EA		200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,732.38	675.26

26 05 83 00-0186 AC Single Phase, 120 Volt (26 05 83 00-0130)

26 05 83 00-0187	EA		1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	78.26	32.42
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26 05 83 00-0188 Motor Moisture Sensor (26 05 83 00-0130)

26 05 83 00-0189	EA		Motor Moisture Sensor Located In Winding.....	794.37	
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26 09 Instrumentation and Control for Electrical Systems (26)

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices (26 09)

26 09 23 00-0001			Lighting Contactors (26 09 23)		
			Note: Up to 600 volt.		
26 09 23 00-0002			Electrically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0003			NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0004			2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)		
26 09 23 00-0005	EA		20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	565.18	103.72
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.24	
26 09 23 00-0006	EA		30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	701.22	116.69
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.01	
26 09 23 00-0007	EA		60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,321.32	181.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.91	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 09 23 00-0008	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,066.24	246.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.81		
26 09 23 00-0009	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,348.71	324.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.48		
26 09 23 00-0010		3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)			
26 09 23 00-0011	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	638.38	116.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.01		
26 09 23 00-0012	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	768.44	129.66	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.80		
26 09 23 00-0013	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,428.22	207.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.47		
26 09 23 00-0014	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,230.15	272.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.37		
26 09 23 00-0015	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,666.14	356.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.93		
26 09 23 00-0016		4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)			
26 09 23 00-0017	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	753.49	129.66	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.80		
26 09 23 00-0018	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	907.38	142.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.57		
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,731.69	233.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.03		
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,674.17	298.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.93		
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	5,972.31	388.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	233.38		
26 09 23 00-0022		NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)			
26 09 23 00-0023		2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)			
26 09 23 00-0024	EA	30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	932.26	116.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.01		
26 09 23 00-0025	EA	60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	1,894.85	181.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.91		
26 09 23 00-0026	EA	100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	2,857.44	246.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.81		
26 09 23 00-0027		3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)			
26 09 23 00-0028	EA	30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	1,340.02	129.66	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.80		
26 09 23 00-0029	EA	60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	2,077.51	207.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.47		
26 09 23 00-0030	EA	100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	3,148.98	272.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.37		
26 09 23 00-0031	EA	200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	7,318.14	356.56	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.93		
26 09 23 00-0032		4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)			
26 09 23 00-0033	EA	30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	1,263.25	142.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.57		
26 09 23 00-0034	EA	60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	2,083.48	233.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.03		
26 09 23 00-0035	EA	100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	2,851.85	298.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.93		
26 09 23 00-0036		NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)			
26 09 23 00-0037		2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)			
26 09 23 00-0038	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	945.48	103.72	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.24		
26 09 23 00-0039	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,205.42	116.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.01		
26 09 23 00-0040	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,326.78	181.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.91		
26 09 23 00-0041	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,494.33	246.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.81		
26 09 23 00-0042	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	6,786.18	324.14	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.48		
26 09 23 00-0043		3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)			
26 09 23 00-0044	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	978.93	116.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.01		
26 09 23 00-0045	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,272.64	129.66	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.80		
26 09 23 00-0046	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,436.62	207.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.47		
26 09 23 00-0047	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,657.25	272.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.37		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0048	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,102.62 213.93	356.56
26 09 23 00-0049			4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)		
26 09 23 00-0050	EA		20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,057.51 77.80	129.66
26 09 23 00-0051	EA		30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,411.59 85.57	142.62
26 09 23 00-0052	EA		60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,132.25 140.03	233.38
26 09 23 00-0053	EA		100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,493.42 178.93	298.21
26 09 23 00-0054	EA		200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,489.93 233.38	388.97
26 09 23 00-0055			NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)		
26 09 23 00-0056			2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		
26 09 23 00-0057	EA		60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,844.95 108.91	181.52
26 09 23 00-0058	EA		100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,038.28 147.81	246.35
26 09 23 00-0059	EA		200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,777.56 194.48	324.14
26 09 23 00-0060			3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		
26 09 23 00-0061	EA		60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,039.08 124.47	207.45
26 09 23 00-0062	EA		100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,293.39 163.37	272.28
26 09 23 00-0063			4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)		
26 09 23 00-0064	EA		60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,556.97 140.03	233.38
26 09 23 00-0065	EA		100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,153.87 178.93	298.21
26 09 23 00-0066			Mechanically Held, Lighting Contactors (26 09 23 00-0001)		
26 09 23 00-0067			NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)		
26 09 23 00-0068			2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)		
26 09 23 00-0069	EA		20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	842.35 62.24	103.72
26 09 23 00-0070	EA		30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	958.72 70.01	116.69
26 09 23 00-0071	EA		60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,822.57 108.91	181.52
26 09 23 00-0072	EA		100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,540.96 147.81	246.35
26 09 23 00-0073	EA		200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,889.82 194.48	324.14
26 09 23 00-0074			3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)		
26 09 23 00-0075	EA		20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	899.43 70.01	116.69
26 09 23 00-0076	EA		30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,027.91 77.80	129.66
26 09 23 00-0077	EA		60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,932.42 124.47	207.45
26 09 23 00-0078	EA		100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,705.85 163.37	272.28
26 09 23 00-0079	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,624.96 213.93	356.56
26 09 23 00-0080			4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)		
26 09 23 00-0081	EA		20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	970.49 77.80	129.66
26 09 23 00-0082	EA		30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,095.11 85.57	142.62
26 09 23 00-0083	EA		60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,262.43 140.03	233.38
26 09 23 00-0084	EA		100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,178.37 178.93	298.21
26 09 23 00-0085	EA		200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,004.84 233.38	388.97

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 09 23 00-0086	NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)			
26 09 23 00-0087	2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)			
26 09 23 00-0088	EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,270.99		103.72
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.24		
26 09 23 00-0089	EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,462.93		116.69
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.01		
26 09 23 00-0090	EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,830.98		181.52
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.91		
26 09 23 00-0091	EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,969.04		246.35
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.81		
26 09 23 00-0092	EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	8,325.33		324.14
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	194.48		
26 09 23 00-0093	3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)			
26 09 23 00-0094	EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,342.04		116.69
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.01		
26 09 23 00-0095	EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,532.11		129.66
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.80		
26 09 23 00-0096	EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,940.83		207.45
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	124.47		
26 09 23 00-0097	EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,134.91		272.28
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	163.37		
26 09 23 00-0098	EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	9,062.43		356.56
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	213.93		
26 09 23 00-0099	4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)			
26 09 23 00-0100	EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,418.47		129.66
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.80		
26 09 23 00-0101	EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,599.31		142.62
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.57		
26 09 23 00-0102	EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,662.99		233.38
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.03		
26 09 23 00-0103	EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,997.63		298.21
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	178.93		
26 09 23 00-0104	EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	11,450.72		388.97
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	233.38		
26 09 23 00-0105	NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)			
26 09 23 00-0106	2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0105)			
26 09 23 00-0107	EA 30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	789.13		116.69
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.01		
26 09 23 00-0108	EA 60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,459.90		207.45
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.91		
26 09 23 00-0109	EA 100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,989.30		246.35
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	147.81		
26 09 23 00-0110	EA 200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	4,643.87		324.14
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	194.48		
26 09 23 00-0111	3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0105)			
26 09 23 00-0112	EA 30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	840.05		129.66
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.80		
26 09 23 00-0113	4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0105)			
26 09 23 00-0114	EA 200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	6,267.09		388.97
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	233.38		
26 09 23 00-0115	Combination Lighting Contactors (26 09 23)			
	Note: Up to 600 volt.			
26 09 23 00-0116	Electrically Held, Combination Lighting Contactors (26 09 23 00-0115)			
26 09 23 00-0117	NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0116)			
26 09 23 00-0118	3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0117)			
26 09 23 00-0119	EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,634.20		142.62
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	85.57		
26 09 23 00-0120	EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,561.66		228.19
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	136.92		
26 09 23 00-0121	EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,146.13		299.51
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	179.71		

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26 09 23 00-0122	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,591.15 235.33	392.21
26 09 23 00-0123			NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0115)		
26 09 23 00-0124			3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0123)		
26 09 23 00-0125	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,977.27 85.57	142.62
26 09 23 00-0126	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,631.54 136.92	228.19
26 09 23 00-0127	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,758.11 179.71	299.51
26 09 23 00-0128	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,211.54 235.33	392.21
26 09 23 00-0129			Mechanically Held, Combination Lighting Contactors (26 09 23 00-0115)		
26 09 23 00-0130			NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0129)		
26 09 23 00-0131			3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0130)		
26 09 23 00-0132	EA		30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,787.53 85.57	142.62
26 09 23 00-0133	EA		60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,092.40 136.92	228.19
26 09 23 00-0134	EA		100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,648.86 179.71	299.51
26 09 23 00-0135	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,019.73 235.33	392.21
26 09 23 00-0136			NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0129)		
26 09 23 00-0137			3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0136)		
26 09 23 00-0138	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,132.07 85.57	142.62
26 09 23 00-0139	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,165.23 136.92	228.19
26 09 23 00-0140	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,262.31 179.71	299.51
26 09 23 00-0141	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,640.11 235.33	392.21
26 09 23 00-0142			Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket (26 09 23)		
26 09 23 00-0143	EA		105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.55 20.26	33.71
26 09 23 00-0144	EA		105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.98 20.26	33.71
26 09 23 00-0145			Dimming Module System (Lutron Grafik Eye) (26 09 23)		
26 09 23 00-0146	EA		2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,809.53 77.80	129.66
26 09 23 00-0147	EA		4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,336.03 77.80	129.66
26 09 23 00-0148	EA		6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,871.92 77.80	129.66
26 09 23 00-0149			Dimming Module Contol (Leviton) (26 09 23)		
26 09 23 00-0150	EA		5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.10 9.74	16.23
26 09 23 00-0151			Light Control Panels (26 09 23)		
26 09 23 00-0152			Lighting Control Panels (Watt Stopper) (26 09 23 00-0151)		

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26 09 23 00-0153 Lighting Control Panels (Watt Stopper) (26 09 23 00-0152)			
26 09 23 00-0154	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4).....	2,121.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.08
26 09 23 00-0155	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8).....	1,987.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.87
26 09 23 00-0156	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G).....	2,237.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.87
26 09 23 00-0157	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8).....	3,355.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.87
26 09 23 00-0158	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G).....	3,648.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.87
26 09 23 00-0159	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4).....	2,361.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.08
26 09 23 00-0160	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8).....	2,534.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.87
26 09 23 00-0161	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G).....	2,827.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.87
26 09 23 00-0162	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8).....	3,472.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.87
26 09 23 00-0163	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G).....	3,765.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.87
26 09 23 00-0164 Accessories For Lighting Control Panels (Watt Stopper) (26 09 23 00-0152)			
26 09 23 00-0165	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2).....	204.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.48
26 09 23 00-0166	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W).....	157.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59
26 09 23 00-0167	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2).....	81.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59
26 09 23 00-0168 Lighting Control Panels (Synergy) (26 09 23 00-0151)			
26 09 23 00-0169 Lighting Control Panels (Synergy) (26 09 23 00-0168)			
26 09 23 00-0170	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S).....	2,871.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.87
26 09 23 00-0171 Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0168)			
26 09 23 00-0172	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL).....	703.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.48
26 09 23 00-0173	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20).....	272.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.79
26 09 23 00-0174	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT).....	154.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.69
26 09 23 00-0175 Lighting Switching Panels (Lutron) (26 09 23 00-0151)			
26 09 23 00-0176 Lighting Switching Panels (Lutron) (26 09 23 00-0175)			
26 09 23 00-0177	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....	2,338.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	116.87
26 09 23 00-0178	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT).....	3,202.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	124.66
26 09 23 00-0179	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT).....	4,191.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.45
26 09 23 00-0180 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0151)			
26 09 23 00-0181	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z).....	1,566.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.08
26 09 23 00-0182	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z).....	1,785.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.08
26 09 23 00-0183	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z).....	2,003.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.08
26 09 23 00-0184 Power Filters (26 09 23 00-0151)			
26 09 23 00-0185	EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure.....	42,364.25
26 09 23 00-0186	EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure.....	25,061.52
26 09 23 00-0187 Signal Filters (26 09 23 00-0151)			
26 09 23 00-0188	EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case.....	19,385.92
26 09 23 00-0189	EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case.....	13,261.51
26 09 23 00-0190	EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case.....	7,397.63
26 09 23 00-0191	EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case.....	10,077.85

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26 09 23 00-0192			Lighting Control Devices (Encelium) (26 09 23)		
26 09 23 00-0193	EA		8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	16,566.01	129.86
26 09 23 00-0194	EA		Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	7,574.82	129.86
26 09 23 00-0195	EA		Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	3,943.70	129.86
26 09 23 00-0196	EA		Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	16,663.43	129.86
26 09 23 00-0197	EA		Isolated, Wired Luminaire Control Module (Encelium EN-ILCM-1R10V-GB2-BK) Note: Excludes GB II cable.	131.38	16.23
26 09 23 00-0198	EA		Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-ILCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	203.32	16.23
26 09 23 00-0199	EA		Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	256.10	32.47
26 09 23 00-0200	EA		Damp Rated, Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	308.98	32.47
26 09 23 00-0201	EA		Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	163.83	32.47
26 09 23 00-0202	EA		Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	235.77	32.47
26 09 23 00-0203	EA		16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	593.57	64.92
26 09 23 00-0204	EA		Rack Mounted, Wired Power Bar (Encelium PWR-700) Note: Excludes cable.	445.78	64.92
26 09 23 00-0205	EA		Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800) Note: Excludes cable.	817.31	64.92
26 09 23 00-0206	EA		Wall Mounted, 4U Mounting Rack (Encelium RCK-700) Note: Excludes cable.	278.76	64.92
26 09 23 00-0207	EA		4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	916.28	64.92
26 09 23 00-0208	EA		Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	9,608.02	259.71
26 09 23 00-0209	EA		Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	7,112.76	64.92
26 09 23 00-0210	EA		Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	266.37	16.23
26 09 23 00-0211	EA		3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	324.81	16.23
26 09 23 00-0212	EA		3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	310.71	16.23
26 09 23 00-0213	EA		5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	324.81	16.23
26 09 23 00-0214	EA		6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	310.71	16.23
26 09 23 00-0215	EA		Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	234.77	16.23
26 09 23 00-0216	EA		Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	324.81	16.23
26 09 23 00-0217	EA		3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	310.71	16.23
26 09 23 00-0218	EA		Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	229.09	16.23
26 09 23 00-0219	EA		Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	97.56	16.23
26 09 23 00-0220	EA		1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2) Note: Excludes GB II cable.	79.71	32.47
26 09 23 00-0221	EA		1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2) Note: Excludes GB II cable.	80.33	32.47
26 09 23 00-0222	EA		5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2) Note: Excludes GB II cable.	85.31	32.47
26 09 23 00-0223	EA		10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2) Note: Excludes GB II cable.	90.23	32.47
26 09 23 00-0224	EA		15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2) Note: Excludes GB II cable.	96.10	32.47
26 09 23 00-0225	EA		20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2) Note: Excludes GB II cable.	101.39	32.47
26 09 23 00-0226	EA		25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2) Note: Excludes GB II cable.	107.89	32.47
26 09 23 00-0227	EA		50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2) Note: Excludes GB II cable.	137.28	32.47
26 09 23 00-0228	EA		1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2) Note: Excludes GB II cable.	880.13	32.47
26 09 23 00-0229	EA		Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2) Note: Excludes GB II cable.	214.07	32.47
26 09 23 00-0230	EA		1,000' Box, Category 5, Network Cable (Encelium NWC-400-B) Note: Excludes GB II cable.	1,136.08	32.47
26 09 23 00-0231	EA		Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	665.45	64.92
26 09 23 00-0232	EA		Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	665.45	64.92
26 09 23 00-0233	EA		Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	665.45	64.92
26 09 23 00-0234	EA		450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	346.97	64.92
26 09 23 00-0235	EA		1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	336.29	64.92
26 09 23 00-0236	EA		2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	343.41	64.92
26 09 23 00-0237	EA		High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	379.00	64.92
26 09 23 00-0238	EA		Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	343.41	64.92
26 09 23 00-0239	EA		120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) Note: Excludes GB II cable.	272.24	64.92
26 09 23 00-0240	EA		High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSP-24V) Note: Excludes GB II cable.	288.51	64.92
26 09 23 00-0241	EA		High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSP-24V) Note: Excludes GB II cable.	288.51	64.92

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26 09 23 00-0242	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	152.92	64.92
26 09 23 00-0243	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	352.22	64.92
26 09 23 00-0244	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	497.31	64.92
26 09 23 00-0245	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	435.95	64.92
26 09 23 00-0246	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	464.42	64.92
26 09 23 00-0247	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	478.67	64.92
26 09 23 00-0248	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	432.39	64.92
26 09 23 00-0249	EA	120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) Note: Excludes GB II cable.	361.22	64.92
26 09 23 00-0250	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	451.26	64.92
26 09 23 00-0251	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	447.53	64.92
26 09 23 00-0252	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	496.10	64.92
26 09 23 00-0253	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	481.17	64.92
26 09 23 00-0254	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	517.66	64.92
26 09 23 00-0255	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	481.31	64.92
26 09 23 00-0256	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	481.31	64.92
26 09 23 00-0257	EA	10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C) Note: Excludes GB II cable.	317.29	64.92
26 09 23 00-0258	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C) Note: Excludes GB II cable.	339.66	64.92
26 09 23 00-0259	EA	20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P) Note: Excludes GB II cable.	593.07	64.92
26 09 23 00-0260	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P) Note: Excludes GB II cable.	634.15	64.92
26 09 23 00-0261	EA	10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D) Note: Excludes GB II cable.	468.44	64.92
26 09 23 00-0262	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D) Note: Excludes GB II cable.	488.29	64.92
26 09 23 00-0263	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	1,398.67	129.86
26 09 23 00-0264	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	4,374.36	519.41
26 09 23 00-0265	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	6,375.68	519.41
26 09 23 00-0266	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	8,376.98	519.41
26 09 23 00-0267	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	699.34	64.92
26 09 23 00-0268	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	801.04	64.92
26 09 23 00-0269	EA	Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	2,163.71	64.92
26 09 23 00-0270	EA	Wireless Control Module (Encelium EN-WCM-ZB) Note: Includes white finish.	295.42	32.47
26 09 23 00-0271	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR) Note: Includes white finish.	349.66	32.47
26 09 23 00-0272	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK) Note: Includes white finish.	351.01	32.47
26 09 23 00-0273	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR) Note: Includes white finish.	363.80	32.47
26 09 23 00-0274	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0275	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0276	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0277	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0278	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0279	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) Note: Includes white finish.	271.78	16.23
26 09 23 00-0280	EA	315 MHz, Wireless Photocell (Encelium TAP-17C) Note: Includes white finish.	577.31	64.92
26 09 23 00-0281	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB) Note: Includes white finish.	360.36	64.92
26 09 23 00-0282	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB) Note: Includes white finish.	360.36	64.92
26 09 23 00-0283	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR) Note: Includes white finish.	414.60	64.92
26 09 23 00-0284	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR) Note: Includes white finish.	414.60	64.92
26 09 23 00-0285	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0286	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0287	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0288	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0289	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	262.97	16.23
26 09 23 00-0290	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) Note: Includes white finish.	271.78	16.23
26 09 23 00-0291	EA	315 MHz, Wireless Photocell (Encelium TAP-17C) Note: Includes white finish.	577.31	64.92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0292	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	262.97	16.23
26 09 23 00-0293	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	262.97	16.23
26 09 23 00-0294	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	262.97	16.23
26 09 23 00-0295	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	271.78	16.23
26 09 23 00-0296	EA		315 MHz, Wireless Photocell (Encelium TAP-17C)	577.31	64.92
26 09 23 00-0297	EA		450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	360.36	64.92
26 09 23 00-0298	EA		1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	360.36	64.92
26 09 23 00-0299	EA		1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	414.60	64.92
26 09 23 00-0300	EA		450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	414.60	64.92
26 09 23 00-0301	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)	262.97	16.23
			Note: Includes white finish.		
26 09 23 00-0302	EA		3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH)	262.97	16.23
			Note: Includes white finish.		
26 09 23 00-0303	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	262.97	16.23
			Note: Includes white finish.		
26 09 23 00-0304	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	262.97	16.23
			Note: Includes white finish.		
26 09 23 00-0305	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	262.97	16.23
			Note: Includes white finish.		
26 09 23 00-0306	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	271.78	16.23
26 09 23 00-0307	EA		315 MHz, Wireless Photocell (Encelium TAP-17C)	577.31	64.92
26 09 23 00-0308	EA		Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	161.04	64.92
26 09 23 00-0309	EA		Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	755.73	64.92

26 09 23 00-0310 Lighting Control Sensors (26 09 23)

26 09 23 00-0311	EA		DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	402.82	29.21
26 09 23 00-0312	EA		DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	402.82	29.21
26 09 23 00-0313	EA		Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	352.83	29.21
26 09 23 00-0314	EA		Zigbee Dongle (LG 9CM2315VD2.AWP01U)	106.31	19.48
26 09 23 00-0315	EA		Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	8.58	
26 09 23 00-0316	EA		Clip for Downlight (BKTCE015123.BUAAWAA)	69.22	
26 09 23 00-0317	EA		Clip for Tube (LG BKTU015121.BUAAWAA)	12.22	

26 09 23 00-0318 Radio Controlled Devices (Lutron) (26 09 23)

26 09 23 00-0319 Tabletop Transmitters For Radio Controlled Devices (26 09 23 00-0318)

26 09 23 00-0320 Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)

26 09 23 00-0321	EA		One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	531.24	19.48
26 09 23 00-0322	EA		Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	690.85	19.48
26 09 23 00-0323	EA		Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	870.41	19.48

26 09 23 00-0324 Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)

26 09 23 00-0325	EA		One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	531.24	19.48
26 09 23 00-0326	EA		Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	631.00	19.48
26 09 23 00-0327	EA		Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	870.41	19.48
26 09 23 00-0328	EA		One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	531.24	19.48
26 09 23 00-0329	EA		Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	690.85	19.48
26 09 23 00-0330	EA		Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	870.41	19.48

26 09 23 00-0331 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)

26 09 23 00-0332	EA		One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	690.85	19.48
26 09 23 00-0333	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	870.41	19.48
26 09 23 00-0334	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	870.41	19.48

26 09 23 00-0335 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)

26 09 23 00-0336	EA		One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	531.24	19.48
26 09 23 00-0337	EA		Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	690.85	19.48
26 09 23 00-0338	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	631.00	19.48
26 09 23 00-0339	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	770.66	19.48
26 09 23 00-0340	EA		One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	690.85	19.48
26 09 23 00-0341	EA		Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	830.51	19.48
26 09 23 00-0342	EA		One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	690.85	19.48

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 09 23 00-0343		Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0344	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	531.24	19.48
26 09 23 00-0345	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	690.85	19.48
26 09 23 00-0346	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	690.85	19.48
26 09 23 00-0347	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	870.41	19.48
26 09 23 00-0348	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	690.85	19.48
26 09 23 00-0349	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	870.41	19.48
26 09 23 00-0350		Output Switch Closure Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0351	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	531.24	19.48
26 09 23 00-0352	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	690.85	19.48
26 09 23 00-0353	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH).....	870.41	19.48
26 09 23 00-0354		Accessories For Tabletop Wireless Transmitter (26 09 23 00-0319)		
26 09 23 00-0355	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	112.27	19.48
26 09 23 00-0356		Wall Box Transmitters For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0357	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	491.34	19.48
26 09 23 00-0358	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	531.24	19.48
26 09 23 00-0359	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	531.24	19.48
26 09 23 00-0360	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	531.24	19.48
26 09 23 00-0361	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	531.24	19.48
26 09 23 00-0362	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	531.24	19.48
26 09 23 00-0363		Interfaces For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0364	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	491.34	19.48
26 09 23 00-0365	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	491.34	19.48
26 09 23 00-0366	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	491.34	19.48
26 09 23 00-0367	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8).....	998.10	19.48
26 09 23 00-0368	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....	1,429.04	19.48
26 09 23 00-0369	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....	1,429.04	19.48
26 09 23 00-0370		Fluorescent Controllers For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0371	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW).....	631.00	19.48
26 09 23 00-0372	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	710.80	19.48
26 09 23 00-0373	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	830.51	19.48
26 09 23 00-0374		AC Motor Group Controllers For Radio Controlled Devices (26 09 23 00-0318)		
26 09 23 00-0375	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC).....	930.26	19.48
26 09 23 00-0376	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....	1,279.41	19.48
26 09 23 00-0377		RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®) (26 09 23)		
26 09 23 00-0378		RF Wireless Technology, Switches (Lutron® Maestro Wireless®) (26 09 23 00-0377)		
26 09 23 00-0379	EA	6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS).....	143.78	25.97
26 09 23 00-0380	EA	8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120).....	169.18	25.97
26 09 23 00-0381	EA	8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV).....	263.85	25.97
26 09 23 00-0382	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS).....	101.40	25.97
26 09 23 00-0383	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277).....	123.59	25.97
26 09 23 00-0384	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS).....	110.72	25.97
26 09 23 00-0385	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277).....	133.36	25.97
26 09 23 00-0386		RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®) (26 09 23 00-0377)		
26 09 23 00-0387	EA	600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M).....	137.92	25.97
26 09 23 00-0388	EA	600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV).....	149.64	25.97

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0389	EA	600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120).....	178.95	25.97
26 09 23 00-0390	EA	1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120).....	191.92	32.47
26 09 23 00-0391	EA	600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120).....	236.58	25.97
26 09 23 00-0392	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R).....	78.81	25.97
26 09 23 00-0393	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277).....	94.93	25.97
26 09 23 00-0394	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD).....	84.69	25.97
26 09 23 00-0395	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277).....	100.79	25.97
26 09 23 00-0396	EA	6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV).....	266.74	45.45
26 09 23 00-0397		Removal And Reinstallation Of Occupancy Sensors (26 09 23) Note: Includes storage, cleaning and supply materials.		
26 09 23 00-0398	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor..... Note: Includes storing and cleaning.	87.65	
26 09 23 00-0399	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor..... Note: Includes storing and cleaning.	58.43	
26 09 23 00-0400		Occupancy Sensors (Watt Stopper) (26 09 23) Note: Includes testing of new devices and certification.		
26 09 23 00-0401		Occupancy Sensors (26 09 23 00-0400) Note: Exclude boxes.		
26 09 23 00-0402		Wall Switch Mounted Occupancy Sensors (26 09 23 00-0401)		
26 09 23 00-0403		Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)		
26 09 23 00-0404	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.39 7.79	12.99
26 09 23 00-0405	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.72 7.79	12.99
26 09 23 00-0406		Passive Infrared, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)		
26 09 23 00-0407	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.96 7.79	12.99
26 09 23 00-0408	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.68 7.79	12.99
26 09 23 00-0409	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.14 7.79	12.99
26 09 23 00-0410	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.04 7.79	12.99
26 09 23 00-0411	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.32 7.79	12.99
26 09 23 00-0412		Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)		
26 09 23 00-0413	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	218.34 7.79	12.99
26 09 23 00-0414	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	235.63 7.79	12.99
26 09 23 00-0415		Wall Switch Mounted Occupancy Sensor Accessories (26 09 23 00-0402)		
26 09 23 00-0416	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	8.14	3.24
26 09 23 00-0417	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	9.52	3.24
26 09 23 00-0418	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	9.52	3.24
26 09 23 00-0419		Ceiling Mounted Occupancy Sensors (26 09 23 00-0401)		
26 09 23 00-0420		Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)		
26 09 23 00-0421		25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)		
26 09 23 00-0422	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	195.24	29.21
26 09 23 00-0423	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	224.97	29.21
26 09 23 00-0424	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	254.92	29.21
26 09 23 00-0425	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....	252.21	29.21
26 09 23 00-0426		32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)		
26 09 23 00-0427	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....	212.84	29.21
26 09 23 00-0428	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	242.99	29.21
26 09 23 00-0429	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	271.54	29.21
26 09 23 00-0430	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	276.37	29.21

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 09 23 00-0431	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	230.86	29.21	
26 09 23 00-0432	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	261.76	29.21	
26 09 23 00-0433	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	292.54	29.21	
26 09 23 00-0434	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	301.41	29.21	
26 09 23 00-0435		40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)			
26 09 23 00-0436	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	221.55	29.21	
26 09 23 00-0437	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	257.57	29.21	
26 09 23 00-0438	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	287.72	29.21	
26 09 23 00-0439	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	208.28	29.21	
26 09 23 00-0440	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	253.67	29.21	
26 09 23 00-0441	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	268.38	29.21	
26 09 23 00-0442	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	223.42	29.21	
26 09 23 00-0443	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	249.56	29.21	
26 09 23 00-0444	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	281.84	29.21	
26 09 23 00-0445		Passive Infrared, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)			
26 09 23 00-0446	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	160.54	29.21	
26 09 23 00-0447	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	164.05	29.21	
26 09 23 00-0448	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	172.37	29.21	
26 09 23 00-0449	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	194.68	29.21	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53		
26 09 23 00-0450	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	197.39	29.21	
26 09 23 00-0451	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	209.06	29.21	
26 09 23 00-0452	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	227.74	29.21	
26 09 23 00-0453		Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)			
26 09 23 00-0454	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	271.29	29.21	
26 09 23 00-0455	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	310.82	29.21	
26 09 23 00-0456	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	262.90	29.21	
26 09 23 00-0457		Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0401)			
26 09 23 00-0458		Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0457)			
26 09 23 00-0459	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	334.50	29.21	
26 09 23 00-0460	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	334.50	29.21	
26 09 23 00-0461		Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0457)			
26 09 23 00-0462	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	310.82	29.21	
26 09 23 00-0463		Occupancy Sensor Power Packs (26 09 23 00-0400)			
26 09 23 00-0464		Single Voltage, Occupancy Sensor Power Packs (26 09 23 00-0463)			
26 09 23 00-0465	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	107.22	25.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59		
26 09 23 00-0466	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	97.18	25.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59		
26 09 23 00-0467		Auxiliary, Occupancy Sensor Power Packs (26 09 23 00-0463)			
26 09 23 00-0468	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	88.91	25.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59		
26 09 23 00-0469		Universal Voltage, Power Packs For Occupancy Sensors (26 09 23 00-0463)			
26 09 23 00-0470	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100).....	119.18	25.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59		
26 09 23 00-0471		Form C, Occupancy Sensor Power Packs (26 09 23 00-0463)			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0472	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.68 15.59	25.97
26 09 23 00-0473	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.76 15.59	25.97
26 09 23 00-0474 Two Relay, Occupancy Sensor Power Packs (26 09 23 00-0463)				
26 09 23 00-0475	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.78 15.59	25.97
26 09 23 00-0476	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.77 15.59	25.97
26 09 23 00-0477 Occupancy Sensor Power Supplies (26 09 23 00-0463)				
26 09 23 00-0478	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.74 15.59	25.97
26 09 23 00-0479	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	283.90 15.59	25.97
26 09 23 00-0480 Intelligent, Occupancy Sensor Power Packs (26 09 23 00-0463)				
26 09 23 00-0481	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	377.22	25.97
26 09 23 00-0482 DIN Rail Mounted, Occupancy Sensor Power Packs (26 09 23 00-0463)				
26 09 23 00-0483	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	118.04	25.97
26 09 23 00-0484 Occupancy Sensor Accessories (26 09 23 00-0400)				
26 09 23 00-0485 Protective Cages For Occupancy Sensors (26 09 23 00-0484)				
26 09 23 00-0486	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC).....	68.78	9.73
26 09 23 00-0487 Mounting Brackets For Occupancy Sensors (26 09 23 00-0484)				
26 09 23 00-0488	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB)..... Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	52.16	16.23
26 09 23 00-0489 Occupancy/Lighting Logger (26 09 23 00-0484)				
Note: Logs when a space is occupied/vacant and when lighting is on/off.				
26 09 23 00-0490	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	513.82	55.19
26 09 23 00-0491 Digital Time Light Switches (26 09 23 00-0400)				
26 09 23 00-0492	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	110.76	12.99
26 09 23 00-0493 Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (26 09 23 00-0400)				
26 09 23 00-0494	EA	Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211)	240.95	42.20
26 09 23 00-0495 Occupancy Sensors (Sensor Switch) (26 09 23)				
Note: Includes testing of new devices and certification.				
26 09 23 00-0496 Occupancy Sensors (Sensor Switch) (26 09 23 00-0495)				
Note: Exclude boxes				
26 09 23 00-0497 Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0496)				
26 09 23 00-0498 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0497)				
26 09 23 00-0499	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	225.48	12.99
26 09 23 00-0500	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	158.98	12.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			7.79	
26 09 23 00-0501	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	151.66	12.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			7.79	
26 09 23 00-0502	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	151.66	12.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			7.79	
26 09 23 00-0503	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	192.23	12.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			7.79	
26 09 23 00-0504	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	192.23	12.99
26 09 23 00-0505	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	233.81	12.99
26 09 23 00-0506	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	192.23	12.99
26 09 23 00-0507 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0497)				
Note: Includes passive infrared and microphonics detection				
26 09 23 00-0508	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	291.98	12.99
26 09 23 00-0509	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	225.48	12.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>			7.79	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 09 23 00-0510	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	220.51	12.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.79	
26 09 23 00-0511	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	220.51	12.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.79	
26 09 23 00-0512	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	258.73	12.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.79	
26 09 23 00-0513	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	258.73	12.99
26 09 23 00-0514	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	278.68	12.99

26 09 23 00-0515 Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) ^(26 09 23 00-0497)

26 09 23 00-0516	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	19.79	3.24
26 09 23 00-0517	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	19.79	3.24
26 09 23 00-0518	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	39.74	3.24
26 09 23 00-0519	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	39.74	3.24

26 09 23 00-0520 360 Degree View Occupancy Sensors (Sensor Switch) ^(26 09 23 00-0496)
26 09 23 00-0521 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) ^(26 09 23 00-0520)

Note: One photocell or dimming option per occupancy sensor

26 09 23 00-0522	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	257.94	29.21
26 09 23 00-0523	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	257.94	29.21
26 09 23 00-0524	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	257.94	29.21
26 09 23 00-0525	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	274.57	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0526	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	274.57	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0527	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	221.36	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0528	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	341.07	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0529	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	341.07	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0530	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	287.87	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0531	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	257.94	29.21
26 09 23 00-0532	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	257.94	29.21
26 09 23 00-0533	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	257.94	29.21
26 09 23 00-0534	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	274.57	29.21
26 09 23 00-0535	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	274.57	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0536	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	221.36	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0537	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	341.07	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0538	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	341.07	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0539	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	287.87	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	

26 09 23 00-0540 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) ^(26 09 23 00-0520)

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0541	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	324.44	29.21
26 09 23 00-0542	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	324.44	29.21
26 09 23 00-0543	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	324.44	29.21
26 09 23 00-0544	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	307.82	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0545	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	307.82	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0546	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9) .....254.61		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0547	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....374.32		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0548	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....374.32		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0549	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P) .....321.12		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0550	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....324.44		29.21
26 09 23 00-0551	EA		Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10) .....324.44		29.21
26 09 23 00-0552	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10) .....324.44		29.21
26 09 23 00-0553	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....307.82		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0554	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10) .....307.82		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0555	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10) .....254.61		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0556	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....374.32		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0557	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....374.32		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0558	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....321.12		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0559			Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0496)		
26 09 23 00-0560			Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0559)		
26 09 23 00-0561	EA		Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16) .....257.94		29.21
26 09 23 00-0562	EA		Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13) .....291.19		29.21
26 09 23 00-0563	EA		Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....357.69		29.21
26 09 23 00-0564	EA		Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16) .....341.07		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0565	EA		2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....407.57		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0566			Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) (26 09 23 00-0559)		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0567	EA		Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16) .....324.44		29.21
26 09 23 00-0568	EA		Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16) .....374.32		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0569	EA		2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....440.82		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0570			High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0496)		
26 09 23 00-0571			Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) (26 09 23 00-0570)		
26 09 23 00-0572	EA		Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6) .....257.94		29.21
26 09 23 00-0573	EA		Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....257.94		29.21
26 09 23 00-0574	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....257.94		29.21
26 09 23 00-0575	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6) .....221.36		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0576	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6) .....221.36		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0577	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....221.36		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0578	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P) .....287.87		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>.....17.53		
26 09 23 00-0579	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P) .....287.87		29.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>17.53		

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26 09 23 00-0580	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	287.87	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0581	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	244.64	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0582	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	244.64	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0583	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	244.64	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0584	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	244.64	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0585	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	244.64	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0586	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	244.64	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0587	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	291.19	29.21
26 09 23 00-0588	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	291.19	29.21
26 09 23 00-0589	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	291.19	29.21
26 09 23 00-0590	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	354.37	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0591	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	354.37	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0592	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	354.37	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0593	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	311.14	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0594	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	311.14	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0595	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	261.26	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0596	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	261.26	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0597	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	261.26	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0598	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	261.26	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0599	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	291.19	29.21
26 09 23 00-0600	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	291.19	29.21
26 09 23 00-0601	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	354.37	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0602	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	354.37	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0603	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	341.07	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0604	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	307.82	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	
26 09 23 00-0605	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	307.82	29.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53	

26 09 23 00-0606 Occupancy Sensor Power Packs (Sensor Switch) (26 09 23 00-0495)

26 09 23 00-0607	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	145.05	25.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 09 23 00-0608	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	211.56	25.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 09 23 00-0609	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	111.80	25.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 09 23 00-0610	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	101.83	25.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	
26 09 23 00-0611	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	135.08	25.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.59	

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26 09 23 00-0612	EA		120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	218.21	25.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59	
26 09 23 00-0613	EA		120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	218.21	25.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59	
26 09 23 00-0614	EA		120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	218.21	25.97
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59	
26 09 23 00-0615			Daylighting Control (Sensor Switch) (26 09 23 00-0495)		
26 09 23 00-0616	EA		Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	224.69	29.21
26 09 23 00-0617	EA		Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	224.69	29.21
26 09 23 00-0618	EA		Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	224.69	29.21
26 09 23 00-0619	EA		Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	224.69	29.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 09 23 00-0620	EA		Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	224.69	29.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 09 23 00-0621	EA		Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	224.69	29.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 09 23 00-0622	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	224.69	29.21
26 09 23 00-0623	EA		Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	224.69	29.21
26 09 23 00-0624	EA		Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	224.69	29.21
26 09 23 00-0625	EA		Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	224.69	29.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 09 23 00-0626	EA		Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	224.69	29.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 09 23 00-0627	EA		Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	224.69	29.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 09 23 00-0628	EA		Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	324.44	29.21
26 09 23 00-0629	EA		Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	324.44	29.21
26 09 23 00-0630	EA		Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	324.44	29.21
26 09 23 00-0631	EA		Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	324.44	29.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 09 23 00-0632	EA		Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	324.44	29.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 09 23 00-0633	EA		Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	324.44	29.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 09 23 00-0634			Occupancy Sensors (Sensor Switch nLight®) (26 09 23)		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0635			Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0634)		
			Note: Excludes boxes.		
26 09 23 00-0636			Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0637			Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0636)		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0638	EA		Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	350.61	12.99
26 09 23 00-0639			360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0640			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0639)		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0641	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	415.17	29.21
26 09 23 00-0642	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	415.17	29.21
26 09 23 00-0643	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	415.17	29.21
26 09 23 00-0644			Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0639)		
			Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0645	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	486.51	29.21
26 09 23 00-0646	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	486.51	29.21
26 09 23 00-0647	EA		2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	504.32	29.21
26 09 23 00-0648			Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		

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26 09 23 00-0649		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0648)		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0650	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	486.51	29.21
26 09 23 00-0651		High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0652		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0651)		
26 09 23 00-0653	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	415.17	29.21
26 09 23 00-0654		Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0634)		
26 09 23 00-0655	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	141.13	25.97
26 09 23 00-0656	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	176.84	25.97
26 09 23 00-0657	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	237.45	25.97
26 09 23 00-0658	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	237.45	25.97
26 09 23 00-0659		Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0634)		
26 09 23 00-0660	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	504.32	29.21
26 09 23 00-0661	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	406.03	29.21
26 09 23 00-0662		Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0634)		
26 09 23 00-0663	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	343.82	29.21
26 09 23 00-0664		Controls (Sensor Switch nLight®) (26 09 23 00-0634)		
26 09 23 00-0665	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	226.10	29.21
26 09 23 00-0666	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	326.01	29.21
26 09 23 00-0667	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	754.07	29.21
26 09 23 00-0668	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	754.07	29.21
26 09 23 00-0669	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	2,823.15	29.21
26 09 23 00-0670		Occupancy Sensors (Lutron®) (26 09 23)		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0671		Wireless Occupancy Sensors (26 09 23 00-0670)		
26 09 23 00-0672	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	168.19	29.21
26 09 23 00-0673	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	175.57	29.21
26 09 23 00-0674	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	169.94	29.21
26 09 23 00-0675	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	179.70	29.21
26 09 23 00-0676	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	172.13	29.21
26 09 23 00-0677	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	179.70	29.21
26 09 23 00-0678	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	168.19	29.21
26 09 23 00-0679	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	172.13	29.21
26 09 23 00-0680	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	169.94	29.21
26 09 23 00-0681	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	261.79	29.21
26 09 23 00-0682	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	279.29	29.21
26 09 23 00-0683	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	318.65	29.21
26 09 23 00-0684	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	336.15	29.21
26 09 23 00-0685	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	344.90	29.21
26 09 23 00-0686	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	362.39	29.21
26 09 23 00-0687	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	206.68	29.21
26 09 23 00-0688	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	218.05	29.21
26 09 23 00-0689	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	255.23	29.21
26 09 23 00-0690	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	283.66	29.21
26 09 23 00-0691	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	305.53	29.21
26 09 23 00-0692	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	263.98	29.21
26 09 23 00-0693	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	242.74	29.21
26 09 23 00-0694	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	203.22	29.21
26 09 23 00-0695	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	249.82	29.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0696	EA		Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C).....	303.05	29.21
26 09 23 00-0697	EA		Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H).....	321.58	29.21
26 09 23 00-0698	EA		Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K).....	321.58	29.21
26 09 23 00-0699	EA		Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W).....	321.58	29.21
26 09 23 00-0700	EA		Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V).....	338.55	29.21
26 09 23 00-0701	EA		Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W).....	548.96	42.20
26 09 23 00-0702 Nodes And Modules (26 09 23 00-0670)					
26 09 23 00-0703	EA		0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C).....	272.73	29.21
26 09 23 00-0704	EA		0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J).....	272.73	29.21
26 09 23 00-0705	EA		4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C).....	344.90	29.21
26 09 23 00-0706	EA		4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J).....	344.90	29.21
26 09 23 00-0707	EA		120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	441.05	32.47
26 09 23 00-0708	EA		120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	441.05	32.47
26 09 23 00-0709	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH).....	535.09	32.47
26 09 23 00-0710	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	548.21	32.47
26 09 23 00-0711	EA		120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	677.24	32.47
26 09 23 00-0712	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	718.79	32.47
26 09 23 00-0713	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	760.35	32.47
26 09 23 00-0714	EA		1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	2,055.72	51.95
26 09 23 00-0715	EA		2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	2,019.51	58.43
26 09 23 00-0716	EA		3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	2,961.95	64.92
26 09 23 00-0717 Other Accessories (26 09 23 00-0670)					
26 09 23 00-0718	EA		Pico® Wireless Control Wallplate Adapter (Lutron® PJ).....	43.58	
26 09 23 00-0719	EA		Pico® Wireless Control (Lutron® PJ).....	56.00	
26 09 23 00-0720	EA		4-Scene Wireless Remote Control (Lutron® GRX-IT-WH).....	166.05	
26 09 23 00-0721	EA		8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH).....	316.95	
26 09 23 00-0722	EA		4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	332.28	29.21
26 09 23 00-0723	EA		seeTouch® QS Wallstation (Lutron® QSWS2).....	420.92	29.21
26 09 23 00-0724	EA		seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	420.92	29.21
26 09 23 00-0725	EA		120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	690.36	32.47
26 09 23 00-0726	EA		120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S).....	946.24	32.47
26 09 23 00-0727	EA		Control Interface (Lutron® QSE-CI-NWK-E).....	1,138.76	29.21
26 09 23 00-0728	EA		1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	1,130.03	29.21
26 09 23 00-0729	EA		2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	1,512.75	29.21
26 09 23 00-0730	MLF		5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	2,471.25	907.60
26 09 23 00-0731	MLF		5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	3,346.03	907.60
26 09 23 00-0732 Fixture Mounted Occupancy Sensors (Leviton) (26 09 23)					
Note: Includes testing of new devices and certification.					
26 09 23 00-0733	EA		120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	161.19	29.21
26 09 23 00-0734	EA		480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	141.07	29.21
26 09 23 00-0735	EA		120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	177.82	29.21
26 09 23 00-0736	EA		480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W).....	141.07	29.21
26 09 23 00-0737	EA		120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT).....	234.43	12.97
26 09 23 00-0738 Wireless Enabled Communication Devices For Streetlights (26 09 23)					
Note: Includes testing of new devices and certification.					
26 09 23 00-0739 Wireless Enabled Communication Nodes For Streetlights (Roam®) (26 09 23 00-0738)					
26 09 23 00-0740	EA		120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	357.15	
26 09 23 00-0741	EA		480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	499.84	
26 09 23 00-0742 Wireless Enabled Communication Devices For Streetlights (Roam®) (26 09 23 00-0738)					
26 09 23 00-0743	EA		Retrofit Receptacle Kit (Roam® DUR103).....	61.07	
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.					
26 09 23 00-0744	EA		Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127).....	14,413.79	72.15
26 09 23 00-0745 Counter Mounted Consolets (26 09 23)					
26 09 23 00-0746	EA		20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24).....	705.39	162.07
26 09 23 00-0747 Lighting Console And Stations (26 09 23)					
26 09 23 00-0748	EA		80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40).....	5,089.32	162.07
For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add				110.19	
For Lighting Console Case (ETC ColorSourcePart 11866), Add				1,174.91	
26 09 23 00-0749	EA		10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2).....	3,515.07	97.24
26 09 23 00-0750 Theatre Lighting Console (26 09 23)					
26 09 23 00-0751	EA		Theatre Lighting Console (ETC Colorsources 20).....	3,655.40	194.48

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 09 23 00-0752	Emergency Lighting Controls (26 09 23)		
26 09 23 00-0753	Emergency Lighting Control Units (Watt Stopper ELCU) (26 09 23 00-0752)		
	Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0754	EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	255.37	32.47
26 09 23 00-0755	EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	255.37	32.47
26 09 23 00-0756	Emergency Shunt Relays (Lighting Control & Design GR 2001™) (26 09 23 00-0752)		
	Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0757	EA 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	413.17	45.45
26 09 23 00-0758	EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	564.11	51.95
26 09 23 00-0759	EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual)	761.38	58.43
	Note: Controls normal and emergency lighting from single-pole wall switch.		
26 09 23 00-0760	Photocells (26 09 23)		
26 09 23 00-0761	EA Plug-In Photocell For Lighting Fixtures (Intermac® LC2000)	100.98	
26 09 23 00-0762	EA Wired Photocell For Lighting Fixtures (Intermac® K4021C)	230.33	
26 09 23 00-0763	Outdoor Lighting Motion Sensors (26 09 23)		
26 09 23 00-0764	EA 70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	134.15	32.47
26 09 23 00-0765	EA 70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	146.70	32.47
26 09 23 00-0766	EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	612.75	32.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 19.48		
26 09 23 00-0767	Street Light Controls (26 09 23)		
26 09 23 00-0768	Photo Controls (26 09 23 00-0767)		
26 09 23 00-0769	EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	106.15	
26 09 23 00-0770	EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	121.64	
26 09 23 00-0771	Connector Node (26 09 23 00-0767)		
26 09 23 00-0772	EA Outdoor Lighting Connector Node (Philips City Touch LLC7260)	554.42	3.44

26 10 Medium-Voltage Electrical Distribution (26)**26 11 Substations (26 10)****26 11 13 Primary Unit Substations (26 11)**

26 11 13 00-0001	"Switchyard" Substation Primary Incoming Section (26 11 13)		
26 11 13 00-0002	Outdoor Oil Circuit Breakers "Switchyard" (26 11 13 00-0001)		
	Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA 14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	69,550.58	2,251.35
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 1,373.99		
26 11 13 00-0004	EA 23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	85,313.97	2,847.30
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 1,717.48		
26 11 13 00-0005	EA 34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	96,683.82	2,847.30
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 1,717.48		
26 11 13 00-0006	EA 46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	111,197.34	2,847.30
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 1,831.98		
26 11 13 00-0007	EA 69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	126,148.92	3,509.46
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 2,113.83		
26 11 13 00-0008	Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001)		
26 11 13 00-0009	EA Reclosure Relay, Adjustable, 3 Shot, #179	1,890.11	236.92
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 140.29		
26 11 13 00-0010	EA Overcurrent Relay, 1 Phase, #51/51N	590.91	171.77
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 93.56		
26 11 13 00-0011	EA Directional Overcurrent Relay, Three-Phase, Device No. 67	889.22	171.77
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 116.58		
26 11 13 00-0012	EA Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	703.07	171.77
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 93.56		
26 11 13 00-0013	EA Differential Relay Package, Complete, Device No. 87	2,630.01	580.46
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 350.49		
26 11 13 00-0014	"Switchyard", Substation Transformer Section (26 11 13)		
	Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0015			14.4 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0016	EA		1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	39,970.06	2,251.35
			For 50 Hz Operation, Add	4,246.81	
			For Forced Air-Cooling, Add	4,246.81	
			For External Control Panel, Add	1,061.70	
			For Internally Mounted Current Transformers And Linear Couplers, Add	353.90	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,769.51	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,423.76	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,308.52	
26 11 13 00-0017	EA		2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	45,678.89	2,820.81
			For 50 Hz Operation, Add	4,794.47	
			For Forced Air-Cooling, Add	4,794.47	
			For External Control Panel, Add	1,198.62	
			For Internally Mounted Current Transformers And Linear Couplers, Add	399.54	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,997.70	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,994.24	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,993.09	
26 11 13 00-0018	EA		5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	70,312.43	3,972.98
			For 50 Hz Operation, Add	7,460.43	
			For Forced Air-Cooling, Add	7,460.43	
			For External Control Panel, Add	1,865.11	
			For Internally Mounted Current Transformers And Linear Couplers, Add	621.70	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,108.51	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,771.29	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,325.54	
26 11 13 00-0019	EA		7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	101,969.68	4,772.92
			For 50 Hz Operation, Add	11,001.02	
			For Forced Air-Cooling, Add	11,001.02	
			For External Control Panel, Add	2,750.25	
			For Internally Mounted Current Transformers And Linear Couplers, Add	916.75	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,583.76	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,459.39	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,751.27	
26 11 13 00-0020	EA		10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	125,618.14	6,176.73
			For 50 Hz Operation, Add	13,530.00	
			For Forced Air-Cooling, Add	13,530.00	
			For External Control Panel, Add	3,382.50	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,127.50	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,637.50	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,093.75	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,912.50	
26 11 13 00-0021			23 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0022	EA		1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	44,654.95	3,045.95
			For 50 Hz Operation, Add	4,671.60	
			For External Control Panel, Add	1,167.90	
			For Internally Mounted Current Transformers And Linear Couplers, Add	389.30	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,946.50	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,866.25	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,839.50	
			For Forced Air-Cooling, Add	3,114.40	
26 11 13 00-0023	EA		2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	50,965.50	3,045.95
			For 50 Hz Operation, Add	5,286.28	
			For External Control Panel, Add	1,321.57	
			For Internally Mounted Current Transformers And Linear Couplers, Add	440.52	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,202.62	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,506.55	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,607.85	
			For Forced Air-Cooling, Add	3,524.19	
26 11 13 00-0024	EA		5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	81,867.60	4,502.70
			For 50 Hz Operation, Add	8,724.92	
			For External Control Panel, Add	2,181.23	
			For Internally Mounted Current Transformers And Linear Couplers, Add	727.08	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,635.38	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,088.46	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,906.15	
			For Forced Air-Cooling, Add	5,816.62	
26 11 13 00-0025	EA		7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	109,812.06	6,176.73
			For 50 Hz Operation, Add	11,633.27	
			For External Control Panel, Add	2,908.32	
			For Internally Mounted Current Transformers And Linear Couplers, Add	969.44	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,847.19	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,117.99	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,541.58	
			For Forced Air-Cooling, Add	7,755.51	
26 11 13 00-0026	EA		10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	136,155.56	6,176.73
			For 50 Hz Operation, Add	14,794.49	
			For External Control Panel, Add	3,698.62	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,232.87	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,164.37	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,410.92	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	18,493.11	
			For Forced Air-Cooling, Add	9,862.99	
26 11 13 00-0027			34.5 KV Nominal Primary (26 11 13 00-0014)		

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	56,087.85	3,641.90
		For 50 Hz Operation, Add	5,900.97	
		For External Control Panel, Add	1,475.24	
		For Internally Mounted Current Transformers And Linear Couplers, Add	491.75	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,458.74	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,146.84	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,376.21	
		For Forced Air-Cooling, Add	3,933.98	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	67,746.59	5,694.59
		For 50 Hz Operation, Add	7,130.33	
		For External Control Panel, Add	1,782.58	
		For Internally Mounted Current Transformers And Linear Couplers, Add	594.19	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,970.97	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,427.43	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,912.91	
		For Forced Air-Cooling, Add	4,753.55	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	93,641.79	5,694.59
		For 50 Hz Operation, Add	9,863.03	
		For External Control Panel, Add	2,465.76	
		For Internally Mounted Current Transformers And Linear Couplers, Add	821.92	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,109.60	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,273.99	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,328.79	
		For Forced Air-Cooling, Add	6,575.35	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	120,349.39	6,036.35
		For 50 Hz Operation, Add	12,897.75	
		For External Control Panel, Add	3,224.44	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,074.81	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,374.06	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,435.15	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,122.18	
		For Forced Air-Cooling, Add	8,598.50	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	208,251.72	7,720.91
		For 50 Hz Operation, Add	23,013.66	
		For External Control Panel, Add	5,753.41	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,917.80	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	9,589.02	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	23,972.56	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	28,767.07	
		For Forced Air-Cooling, Add	15,342.44	

26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)

26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	86,118.57	4,237.84
		For 50 Hz Operation, Add	9,334.97	
		For External Control Panel, Add	2,333.74	
		For Internally Mounted Current Transformers And Linear Couplers, Add	777.91	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,889.57	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,723.92	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,668.71	
		For Forced Air-Cooling, Add	6,223.31	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	97,353.20	4,237.84
		For 50 Hz Operation, Add	10,583.19	
		For External Control Panel, Add	2,645.80	
		For Internally Mounted Current Transformers And Linear Couplers, Add	881.93	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,409.66	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,024.16	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,228.99	
		For Forced Air-Cooling, Add	7,055.46	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	134,916.78	5,694.59
		For 50 Hz Operation, Add	14,816.03	
		For External Control Panel, Add	3,704.01	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,234.67	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,173.34	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,433.36	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	18,520.03	
		For Forced Air-Cooling, Add	9,877.35	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	164,831.20	7,720.91
		For 50 Hz Operation, Add	17,803.19	
		For External Control Panel, Add	4,450.80	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,483.60	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,418.00	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	18,544.99	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,253.99	
		For Forced Air-Cooling, Add	11,868.80	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	234,660.49	7,720.91
		For 50 Hz Operation, Add	26,182.71	
		For External Control Panel, Add	6,545.68	
		For Internally Mounted Current Transformers And Linear Couplers, Add	2,181.89	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	10,909.46	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	27,273.65	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	32,728.38	
		For Forced Air-Cooling, Add	17,455.14	

26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	124,100.95	4,502.70
		For 50 Hz Operation, Add	13,792.92	
		For External Control Panel, Add	3,448.23	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,149.41	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,747.05	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,367.63	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	17,241.16	
		For Forced Air-Cooling, Add	9,195.28	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	142,490.24	5,694.59
		For 50 Hz Operation, Add	15,724.64	
		For External Control Panel, Add	3,931.21	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,310.40	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,552.02	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	16,380.04	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	19,656.05	
		For Forced Air-Cooling, Add	10,483.23	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	196,026.95	5,694.59
		For 50 Hz Operation, Add	22,149.25	
		For External Control Panel, Add	5,537.31	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,845.77	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	9,228.85	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	23,072.13	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	27,686.56	
		For Forced Air-Cooling, Add	14,766.16	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	207,485.51	7,720.91
		For 50 Hz Operation, Add	22,921.71	
		For External Control Panel, Add	5,730.43	
		For Internally Mounted Current Transformers And Linear Couplers, Add	1,910.14	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	9,550.71	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	23,876.78	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	28,652.14	
		For Forced Air-Cooling, Add	15,281.14	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	271,968.03	7,720.91
		For 50 Hz Operation, Add	30,659.61	
		For External Control Panel, Add	7,664.90	
		For Internally Mounted Current Transformers And Linear Couplers, Add	2,554.97	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	12,774.84	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	31,937.10	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	38,324.52	
		For Forced Air-Cooling, Add	20,439.74	
26 11 13 00-0045		Circuit Breakers Fluarc SF6 13.8 KV (26 11 13)		
26 11 13 00-0046	EA	1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	74,509.30	1,097.69
26 11 13 00-0047	EA	1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	81,820.57	1,097.69
26 11 13 00-0048	EA	1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	93,140.50	1,363.52
26 11 13 00-0049	EA	2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	87,048.95	1,639.56
26 11 13 00-0050	EA	2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	98,094.17	1,639.56
26 11 13 00-0051	EA	2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	111,906.49	1,904.81
26 11 13 00-0052	EA	3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	115,337.03	2,176.24
26 11 13 00-0053	EA	3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	129,088.96	2,176.24
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	135,282.25	2,443.94
26 11 16		Secondary Unit Substations (26 11)		
26 11 16 11		Secondary Unit Substations with Switchgear Secondary (26 11 16)		
26 11 16 11-0001		Substation Primary Incoming Section (26 11 16 11)		
26 11 16 11-0002		Manual Transferring Fused Load Break Switches (26 11 16 11-0001) Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	41,276.12	1,611.93
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	47,639.80	1,611.93
26 11 16 11-0005		Automatic Transferring Fused Load Break Switches (26 11 16 11-0001) Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	58,392.51	1,611.93
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	62,534.03	1,611.93
26 11 16 11-0008		Accessories For Substation Fused Load Break Switches (26 11 16 11-0001)		
26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	21,923.22	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	2,133.94	
26 11 16 11-0011		Oil Filled Substation Transformers (26 11 16 11) Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012		Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ (26 11 16 11-0011)		

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	38,232.75	993.24
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,537.24	
		For Control Power Transformer On Fans And Auxiliary, Add	1,087.39	
		For Internal Mounted Current Transformer And Linear Coupler, Add	362.46	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	56,522.39	1,191.89
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,789.70	
		For Control Power Transformer On Fans And Auxiliary, Add	1,624.16	
		For Internal Mounted Current Transformer And Linear Coupler, Add	541.39	
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	64,008.41	1,324.33
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,295.18	
		For Control Power Transformer On Fans And Auxiliary, Add	1,840.79	
		For Internal Mounted Current Transformer And Linear Coupler, Add	613.60	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	75,616.41	1,655.41
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,061.39	
		For Control Power Transformer On Fans And Auxiliary, Add	2,169.17	
		For Internal Mounted Current Transformer And Linear Coupler, Add	723.06	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	84,014.69	2,052.71
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,593.65	
		For Control Power Transformer On Fans And Auxiliary, Add	2,397.28	
		For Internal Mounted Current Transformer And Linear Coupler, Add	799.09	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	89,386.48	2,516.21
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,904.78	
		For Control Power Transformer On Fans And Auxiliary, Add	2,530.62	
		For Internal Mounted Current Transformer And Linear Coupler, Add	843.54	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	104,476.89	3,045.95
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,886.95	
		For Control Power Transformer On Fans And Auxiliary, Add	2,951.55	
		For Internal Mounted Current Transformer And Linear Coupler, Add	983.85	
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	111,227.84	3,310.81
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	7,322.43	
		For Control Power Transformer On Fans And Auxiliary, Add	3,138.19	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,046.06	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	124,372.67	3,641.90
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	8,196.22	
		For Control Power Transformer On Fans And Auxiliary, Add	3,512.67	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,170.89	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	144,085.91	4,039.19
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	9,520.53	
		For Control Power Transformer On Fans And Auxiliary, Add	4,080.23	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,360.08	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	158,263.38	4,403.38
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	10,461.96	
		For Control Power Transformer On Fans And Auxiliary, Add	4,483.70	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,494.57	

26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ (26 11 16 11-0011)

26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	36,424.48	993.24
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,410.66	
		For Control Power Transformer On Fans And Auxiliary, Add	1,033.14	
		For Internal Mounted Current Transformer And Linear Coupler, Add	344.38	
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	55,538.74	993.24
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	3,748.66	
		For Control Power Transformer On Fans And Auxiliary, Add	1,606.57	
		For Internal Mounted Current Transformer And Linear Coupler, Add	535.52	
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	63,968.39	1,324.33
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,292.38	
		For Control Power Transformer On Fans And Auxiliary, Add	1,839.59	
		For Internal Mounted Current Transformer And Linear Coupler, Add	613.20	
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	75,685.25	1,655.41
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,066.21	
		For Control Power Transformer On Fans And Auxiliary, Add	2,171.23	
		For Internal Mounted Current Transformer And Linear Coupler, Add	723.74	
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	91,041.23	2,052.71
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,085.51	
		For Control Power Transformer On Fans And Auxiliary, Add	2,608.07	
		For Internal Mounted Current Transformer And Linear Coupler, Add	869.36	
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	98,135.78	2,516.21
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,517.23	
		For Control Power Transformer On Fans And Auxiliary, Add	2,793.10	
		For Internal Mounted Current Transformer And Linear Coupler, Add	931.03	
26 11 16 11-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	108,516.99	3,045.95
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	7,169.76	
		For Control Power Transformer On Fans And Auxiliary, Add	3,072.75	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,024.25	
26 11 16 11-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	118,187.27	3,310.81
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	7,809.59	
		For Control Power Transformer On Fans And Auxiliary, Add	3,346.97	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,115.66	
26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	133,372.28	3,641.90
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	8,826.20	
		For Control Power Transformer On Fans And Auxiliary, Add	3,782.66	
		For Internal Mounted Current Transformer And Linear Coupler, Add	1,260.89	

26 11 16 11-0034 Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)

26 11 16 11-0035	EA	Sudden Pressure Relay	10,986.10	
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	21,811.14	
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	14,361.79	
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	79,700.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 11 16 11-0039 EA Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout 74,567.99

26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 11-0011)
 Note: For transformer liquid containment area.

26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,470.21	1,432.65
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,370.31	1,651.88

26 11 16 11-0049 Dry Type Substation Transformer (26 11 16 11)

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)

Note: Primary 4.160 or 4.8 KV (delta or wye).

26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,546.35	1,059.46
		For Gas Filled Transformers, Add	39,256.46	
		For Single Phase Transformers, Deduct	-1,635.69	
		For Dry Type Unit, Add	14,605.93	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,678.79	1,125.68
		For Gas Filled Transformers, Add	39,256.46	
		For Single Phase Transformers, Deduct	-1,635.69	
		For Dry Type Unit, Add	14,619.17	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	68,928.32	1,324.33
		For Gas Filled Transformers, Add	39,767.80	
		For Single Phase Transformers, Deduct	-1,656.99	
		For Dry Type Unit, Add	14,846.39	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	76,084.87	1,456.75
		For Gas Filled Transformers, Add	43,902.82	
		For Single Phase Transformers, Deduct	-1,829.28	
		For Dry Type Unit, Add	16,389.05	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	84,318.27	1,721.63
		For Gas Filled Transformers, Add	48,525.02	
		For Single Phase Transformers, Deduct	-2,021.88	
		For Dry Type Unit, Add	18,136.83	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	97,698.63	1,986.49
		For Gas Filled Transformers, Add	56,235.39	
		For Single Phase Transformers, Deduct	-2,343.14	
		For Dry Type Unit, Add	21,016.94	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	113,336.86	2,383.79
		For Gas Filled Transformers, Add	65,141.57	
		For Single Phase Transformers, Deduct	-2,714.23	
		For Dry Type Unit, Add	24,362.00	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	134,172.58	2,648.65
		For Gas Filled Transformers, Add	77,325.17	
		For Single Phase Transformers, Deduct	-3,221.88	
		For Dry Type Unit, Add	28,882.29	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	174,666.94	2,781.08
		For Gas Filled Transformers, Add	101,462.86	
		For Single Phase Transformers, Deduct	-4,227.62	
		For Dry Type Unit, Add	37,759.27	

26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt (26 11 16 11-0049)

Note: Primary 4.16 or 4.8 KV (delta or wye).

26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	65,224.51	1,059.46
		For Gas Filled Transformers, Add	37,863.36	
		For Single Phase Transformers, Deduct	-1,577.64	
		For Dry Type Unit, Add	14,095.12	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,678.79	1,125.68
		For Gas Filled Transformers, Add	39,256.46	
		For Single Phase Transformers, Deduct	-1,635.69	
		For Dry Type Unit, Add	14,619.17	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	68,928.32	1,324.33
		For Gas Filled Transformers, Add	39,767.80	
		For Single Phase Transformers, Deduct	-1,656.99	
		For Dry Type Unit, Add	14,846.39	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	76,084.87	1,456.75
		For Gas Filled Transformers, Add	43,902.82	
		For Single Phase Transformers, Deduct	-1,829.28	
		For Dry Type Unit, Add	16,389.05	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	84,318.27	1,721.63
		For Gas Filled Transformers, Add	48,525.02	
		For Single Phase Transformers, Deduct	-2,021.88	
		For Dry Type Unit, Add	18,136.83	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	97,698.63	1,986.49
		For Gas Filled Transformers, Add	56,235.39	
		For Single Phase Transformers, Deduct	-2,343.14	
		For Dry Type Unit, Add	21,016.94	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	113,336.86	2,383.79
		For Gas Filled Transformers, Add	65,141.57	
		For Single Phase Transformers, Deduct	-2,714.23	
		For Dry Type Unit, Add	24,362.00	

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
26 11 16 11-0068	EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	134,172.58		2,648.65
	For Gas Filled Transformers, Add	77,325.17		
	For Single Phase Transformers, Deduct	-3,221.88		
	For Dry Type Unit, Add	28,882.29		
26 11 16 11-0069	EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	174,666.94		2,781.08
	For Gas Filled Transformers, Add	101,462.86		
	For Single Phase Transformers, Deduct	-4,227.62		
	For Dry Type Unit, Add	37,759.27		
26 11 16 11-0070	EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	191,882.54		2,913.51
	For Gas Filled Transformers, Add	111,633.31		
	For Single Phase Transformers, Deduct	-4,651.39		
	For Dry Type Unit, Add	41,514.92		
26 11 16 11-0071	EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	214,406.15		3,045.95
	For Gas Filled Transformers, Add	124,988.56		
	For Single Phase Transformers, Deduct	-5,207.86		
	For Dry Type Unit, Add	46,438.33		
26 11 16 11-0072	EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	247,525.65		3,178.38
	For Gas Filled Transformers, Add	144,701.34		
	For Single Phase Transformers, Deduct	-6,029.22		
	For Dry Type Unit, Add	53,692.83		
26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)				
26 11 16 11-0074	EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	72,615.95		1,191.89
	For Gas Filled Transformers, Add	42,139.30		
	For Single Phase Transformers, Deduct	-1,755.80		
	For Dry Type Unit, Add	15,689.45		
26 11 16 11-0075	EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	75,056.79		1,258.11
	For Gas Filled Transformers, Add	43,524.35		
	For Single Phase Transformers, Deduct	-1,813.51		
	For Dry Type Unit, Add	16,210.55		
26 11 16 11-0076	EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	80,184.99		1,456.75
	For Gas Filled Transformers, Add	46,362.89		
	For Single Phase Transformers, Deduct	-1,931.79		
	For Dry Type Unit, Add	17,291.08		
26 11 16 11-0077	EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	84,610.38		1,589.19
	For Gas Filled Transformers, Add	48,859.20		
	For Single Phase Transformers, Deduct	-2,035.80		
	For Dry Type Unit, Add	18,232.88		
26 11 16 11-0078	EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	96,440.60		1,854.05
	For Gas Filled Transformers, Add	55,639.49		
	For Single Phase Transformers, Deduct	-2,318.31		
	For Dry Type Unit, Add	20,771.96		
26 11 16 11-0079	EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	106,814.64		2,118.91
	For Gas Filled Transformers, Add	61,546.08		
	For Single Phase Transformers, Deduct	-2,564.42		
	For Dry Type Unit, Add	22,990.68		
26 11 16 11-0080	EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	124,687.47		2,516.21
	For Gas Filled Transformers, Add	71,793.02		
	For Single Phase Transformers, Deduct	-2,991.38		
	For Dry Type Unit, Add	26,827.35		
26 11 16 11-0081	EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	151,354.64		2,781.08
	For Gas Filled Transformers, Add	87,475.48		
	For Single Phase Transformers, Deduct	-3,644.81		
	For Dry Type Unit, Add	32,630.56		
26 11 16 11-0082	EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	183,373.61		2,913.51
	For Gas Filled Transformers, Add	106,527.95		
	For Single Phase Transformers, Deduct	-4,438.66		
	For Dry Type Unit, Add	39,642.95		
26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt (26 11 16 11-0049)				
26 11 16 11-0084	EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	72,615.95		1,191.89
	For Gas Filled Transformers, Add	42,139.30		
	For Single Phase Transformers, Deduct	-1,755.80		
	For Dry Type Unit, Add	15,689.45		
26 11 16 11-0085	EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	75,056.79		1,258.11
	For Gas Filled Transformers, Add	43,524.35		
	For Single Phase Transformers, Deduct	-1,813.51		
	For Dry Type Unit, Add	16,210.55		
26 11 16 11-0086	EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	80,184.99		1,456.75
	For Gas Filled Transformers, Add	46,362.89		
	For Single Phase Transformers, Deduct	-1,931.79		
	For Dry Type Unit, Add	17,291.08		
26 11 16 11-0087	EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	84,610.38		1,589.19
	For Gas Filled Transformers, Add	48,859.20		
	For Single Phase Transformers, Deduct	-2,035.80		
	For Dry Type Unit, Add	18,232.88		
26 11 16 11-0088	EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	96,440.60		1,854.05
	For Gas Filled Transformers, Add	55,639.49		
	For Single Phase Transformers, Deduct	-2,318.31		
	For Dry Type Unit, Add	20,771.96		
26 11 16 11-0089	EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	93,393.63		2,118.91
	For Gas Filled Transformers, Add	53,493.47		
	For Single Phase Transformers, Deduct	-2,228.89		
	For Dry Type Unit, Add	20,038.06		
26 11 16 11-0090	EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	97,115.49		2,516.21
	For Gas Filled Transformers, Add	55,249.84		
	For Single Phase Transformers, Deduct	-2,302.08		
	For Dry Type Unit, Add	20,761.52		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	119,765.05 68,521.73 -2,855.07 25,680.85	2,781.08
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	142,429.33 81,961.38 -3,415.06 30,635.21	2,913.51
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	159,439.39 92,008.50 -3,833.69 34,345.64	3,045.95
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	187,602.56 108,747.49 -4,531.15 40,509.75	3,178.38
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	230,677.99 134,433.82 -5,601.41 49,954.56	3,310.81

26 12 Medium-Voltage Transformers (26 10)

26 12 13 Liquid-Filled, Medium-Voltage Transformers (26 12)

26 12 13 00-0001 Single Phase Oil Filled Distribution Transformers (26 12 13)

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0002 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent

Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA (26 12 13 00-0001)

26 12 13 00-0003	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	7,955.88	544.09
26 12 13 00-0004	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	9,516.59	680.12
26 12 13 00-0005	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	11,035.44	816.14
26 12 13 00-0006	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	14,323.80	1,020.18
26 12 13 00-0007	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	16,987.28	1,224.21
26 12 13 00-0008	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	23,872.46	1,428.24
26 12 13 00-0009	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	28,267.14	1,700.29

26 12 13 00-0010 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent

Taps FCAN And FCBN. Rated To 5 KVA (26 12 13 00-0001)

26 12 13 00-0011	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,955.88	544.09
26 12 13 00-0012	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,705.18	680.12
26 12 13 00-0013	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,035.44	816.14
26 12 13 00-0014	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	14,323.80	1,020.18
26 12 13 00-0015	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,987.28	1,224.21
26 12 13 00-0016	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	21,934.01	1,428.24
26 12 13 00-0017	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	27,282.77	1,700.29

26 12 13 00-0018 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps

FCBN And FCAN (26 12 13 00-0001)

26 12 13 00-0019	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,735.86	544.09
26 12 13 00-0020	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,919.41	680.12
26 12 13 00-0021	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,444.82	816.14
26 12 13 00-0022	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	14,187.50	1,020.18
26 12 13 00-0023	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,411.81	1,224.21
26 12 13 00-0024	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	22,297.47	1,428.24
26 12 13 00-0025	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	27,373.64	1,700.29

26 12 13 00-0026 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent

Taps FCBN And FCAN (26 12 13 00-0001)

26 12 13 00-0027	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,757.37	544.09
26 12 13 00-0028	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,972.35	680.12
26 12 13 00-0029	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,203.32	816.14
26 12 13 00-0030	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,643.13	1,020.18
26 12 13 00-0031	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	19,164.60	1,224.21
26 12 13 00-0032	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	26,368.65	1,428.24
26 12 13 00-0033	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	33,945.88	1,700.29

26 12 13 00-0034 Transformer Platforms (26 12 13 00-0001)

26 12 13 00-0035	EA	Transformer Platforms, 75 - 167 KVA.....	5,329.42	918.84
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26 12 13 00-0036 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops

FCBN Auto FCAN (26 12 13 00-0001)

26 12 13 00-0037	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,688.88	544.09
26 12 13 00-0038	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,818.13	680.12
26 12 13 00-0039	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,204.63	816.14
26 12 13 00-0040	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,641.52	1,020.18
26 12 13 00-0041	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	19,300.06	1,292.22
26 12 13 00-0042	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	26,372.65	1,428.24

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 12 13 00-0043	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	33,945.88	1,700.29
26 12 13 00-0044	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	45,470.31	2,176.37
26 12 13 00-0045	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	58,110.32	2,924.50
26 12 13 00-0046	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	68,091.78	3,400.58
26 12 13 00-0047	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	86,923.05	3,672.63

26 12 13 00-0048 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL (26 12 13 00-0001)

26 12 13 00-0049	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	7,955.88	666.24
26 12 13 00-0050	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	9,516.59	832.74
26 12 13 00-0051	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	11,034.89	998.28
26 12 13 00-0052	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	14,325.11	1,251.01
26 12 13 00-0053	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	16,986.02	1,498.57
26 12 13 00-0054	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	23,870.76	1,745.31
26 12 13 00-0055	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	28,267.14	2,081.97

26 12 13 00-0056 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN (26 12 13 00-0001)

26 12 13 00-0057	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,955.88	666.24
26 12 13 00-0058	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,705.18	832.74
26 12 13 00-0059	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,034.89	998.28
26 12 13 00-0060	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	14,325.11	1,251.01
26 12 13 00-0061	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,986.02	1,498.57
26 12 13 00-0062	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	21,932.31	1,745.31
26 12 13 00-0063	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	27,282.77	2,081.97

26 12 13 00-0064 Primary 7.2 To 14.4 KV Ground Y (26 12 13 00-0001)

26 12 13 00-0065 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0064)

26 12 13 00-0066	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,302.89	544.09
26 12 13 00-0067	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,489.29	680.12
26 12 13 00-0068	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,630.98	816.14
26 12 13 00-0069	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	11,329.73	1,020.18
26 12 13 00-0070	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	14,234.38	1,224.21
26 12 13 00-0071	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	22,852.39	1,428.24
26 12 13 00-0072	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	26,259.55	1,700.29

26 12 13 00-0073 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN (26 12 13 00-0064)

26 12 13 00-0074	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,802.85	544.09
26 12 13 00-0075	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,860.67	680.12
26 12 13 00-0076	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	8,345.24	816.14
26 12 13 00-0077	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,758.25	1,020.18
26 12 13 00-0078	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,448.60	1,224.21
26 12 13 00-0079	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	19,995.02	1,428.24
26 12 13 00-0080	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	23,402.18	1,700.29

26 12 13 00-0081 Removal And Relocation Of Transformers (26 12 13)

26 12 13 00-0082	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	1,357.75	
26 12 13 00-0083	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,498.65	

26 12 16 Dry-Type, Medium-Voltage Transformers (26 12)

26 12 16 00-0001 Removal and Relocation of Transformers (26 12 16)

26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	549.59	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	2,442.64	

26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers (26 12)

26 12 19 00-0001 Single Phase Pad Mounted Oil Filled Distribution Transformers (26 12 19)

Note: Designed for residential and multi-family buildings. UL listed.

26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled (26 12 19 00-0001)

Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.

26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta (26 12 19 00-0002)

Note: 2.4 To 24.94 KV ground Y / 4.8 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.

26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	19,110.64	662.16
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	20,723.10	794.60
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	24,722.16	927.03
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	30,733.65	993.24
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,955.17	1,059.46

				Electrical	26	26
				Medium-Voltage Electrical Distribution	26 10	
				Medium-Voltage Transformers	26 12	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
26 12 19 00-0009	EA		167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	45,739.80		1,390.54
26 12 19 00-0010			Factory Modifications Material Cost Only (26 12 19 00-0002)			
26 12 19 00-0011	EA		Loadbreaker Current Limiting Fuse Factory Modifications.....	4,258.84		
26 12 19 00-0012	EA		Loadbreaker Oil Switch, 2 Position Factory Modifications	4,474.87		
26 12 19 00-0013	EA		Loadbreaker Inserts, Factory Modifications.....	4,922.35		
26 12 19 00-0014			Distribution - Single Phase Multiple Building Transformer (26 12 19 00-0001)			
			Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.			
26 12 19 00-0015			Primary, 4.16/4.8 KVA Ground Y Or Delta (26 12 19 00-0014)			
			Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.			
26 12 19 00-0016	EA		25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	24,261.17		662.16
26 12 19 00-0017	EA		37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	27,218.27		662.16
26 12 19 00-0018	EA		50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	29,164.87		907.16
26 12 19 00-0019	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	36,602.53		907.16
26 12 19 00-0020	EA		100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	41,121.97		1,191.89
26 12 19 00-0021	EA		167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	49,281.28		1,191.89
26 12 19 00-0022	EA		250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	80,106.95		1,655.41
26 12 19 00-0023			Factory Modifications Material Cost Only (26 12 19 00-0014)			
26 12 19 00-0024	EA		Loadbreaker Current Limiting Fuse Factory Modifications.....	5,678.45		
26 12 19 00-0025	EA		Lightning Arrestors, Factory Modifications	1,438.76		
26 12 19 00-0026	EA		Loadbreaker Oil Switch, 2 Position Factory Modifications	4,474.87		
26 12 19 00-0027	EA		Loop Feed Air Switch, Factory Modifications.....	7,283.23		
26 12 19 00-0028	EA		Loadbreaker Inserts (Two), Factory Modifications	1,944.25		
26 12 19 00-0029	EA		Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications.....	1,681.93		
26 12 19 00-0030			Primary, 12.47 KV Ground Y Or Delta (26 12 19 00-0014)			
			Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.			
26 12 19 00-0031	EA		25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	26,354.02		662.16
26 12 19 00-0032	EA		37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	27,925.46		662.16
26 12 19 00-0033	EA		50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,891.12		907.16
26 12 19 00-0034	EA		75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,946.31		907.16
26 12 19 00-0035	EA		100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	44,580.93		1,191.89
26 12 19 00-0036	EA		167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	55,402.07		1,192.02
26 12 19 00-0037	EA		250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	70,359.87		1,655.41
26 12 19 00-0038			Oil Filled Distribution Transformer Single Phase Cluster Mounted (26 12 19 00-0001)			
			Note: Conventional type.			
26 12 19 00-0039			13.8/14.4 KV Ground Y Or Delta Primary 120/240V (26 12 19 00-0038)			
			Note: 2.5 Taps FCBN and FCAN.			
26 12 19 00-0040	EA		10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,490.68		460.55
26 12 19 00-0041	EA		37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	21,573.55		647.65
26 12 19 00-0042	EA		50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	33,144.44		1,036.24
26 12 19 00-0043	EA		100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	59,968.98		1,036.24
26 12 19 00-0044	EA		167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	82,817.17		1,698.27
26 12 19 00-0045	EA		250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	111,740.67		1,698.27
26 12 19 00-0046			Oil Filled Distribution Transformer Single Phase (26 12 19 00-0001)			
26 12 19 00-0047			7.2 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)			
26 12 19 00-0048	EA		10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	16,933.46		489.33
26 12 19 00-0049	EA		15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	18,470.27		489.33
26 12 19 00-0050	EA		25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	21,831.21		690.82
26 12 19 00-0051	EA		37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	28,016.84		690.82
26 12 19 00-0052	EA		50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	32,249.57		935.49
26 12 19 00-0053	EA		100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	58,545.92		1,439.22
26 12 19 00-0054	EA		167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	81,702.75		1,439.22
26 12 19 00-0055	EA		250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	110,020.44		1,799.03

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 12 19 00-0056		7.2 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)			
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,933.46	489.33	
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,470.85	489.33	
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,831.21	690.82	
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,016.84	690.82	
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,249.57	935.49	
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	50,239.13	1,266.51	
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,545.92	1,266.51	
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	81,702.75	1,597.53	
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	110,020.44	1,799.03	
26 12 19 00-0066		2.4 KV Primary, 277 Volt Secondary (26 12 19 00-0046)			
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,682.06	489.33	
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,375.89	489.33	
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,090.53	690.82	
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,903.05	690.82	
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,567.63	935.49	
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	55,255.36	1,266.51	
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,656.58	1,266.51	
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	90,279.58	1,597.53	
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	121,647.35	1,799.03	
26 12 19 00-0076		2.4 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)			
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,933.46	489.33	
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,470.27	489.33	
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,831.21	939.96	
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,016.84	1,266.51	
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,249.57	935.49	
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	50,039.56	1,266.51	
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,534.49	1,266.51	
26 12 19 00-0084		2.4 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)			
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,933.46	489.33	
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,470.27	489.33	
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,831.21	690.82	
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,016.84	690.82	
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,249.57	935.49	
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	50,039.56	1,266.51	
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,534.49	1,266.51	
26 12 19 00-0092		2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)			
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,215.73	503.73	
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,400.86	561.29	
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,867.96	618.86	
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,830.58	863.54	
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	26,459.77	1,007.45	
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	37,077.51	1,180.16	
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	44,789.85	1,352.87	
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	71,064.21	1,727.06	
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	99,279.03	1,942.95	
26 12 19 00-0102		3 Phase Pad Mounted Oil Filled Distribution Transformers (26 12 19)			
26 12 19 00-0103		Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt (26 12 19 00-0102)			
Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.					
26 12 19 00-0104	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	28,986.30	1,904.32	
26 12 19 00-0105	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	36,478.40	2,040.35	
26 12 19 00-0106	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	48,489.25	2,584.44	
26 12 19 00-0107	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	63,363.96	3,264.56	
26 12 19 00-0108	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	93,986.00	3,672.63	
26 12 19 00-0109	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	117,953.06	4,896.83	
26 12 19 00-0110		Pad Mounted Commercial Type Distribution Transformers UL Listed (26 12 19)			
26 12 19 00-0111		Distribution 3 Phase Oil Filled Transformer (26 12 19 00-0110)			
Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.					
26 12 19 00-0112		Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL (26 12 19 00-0111)			
Note: Rated to 5 KVA.					
26 12 19 00-0113	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	43,447.52	1,589.19	
26 12 19 00-0114	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	48,964.01	1,589.19	
26 12 19 00-0115	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	56,359.19	2,741.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0116	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	66,600.64	2,741.35
26 12 19 00-0117	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	75,183.36	4,105.40
26 12 19 00-0118	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	102,363.77	5,429.73
26 12 19 00-0119	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	135,936.36	6,886.49
26 12 19 00-0120	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	157,634.87	8,343.24
26 12 19 00-0121 Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL (26 12 19 00-0111)					
Note: Rated to 5 KVA.					
26 12 19 00-0122	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	43,447.52	1,589.19
26 12 19 00-0123	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	48,964.01	1,589.19
26 12 19 00-0124	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	56,359.19	2,741.35
26 12 19 00-0125	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	66,909.35	2,741.35
26 12 19 00-0126	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	75,995.40	4,105.40
26 12 19 00-0127	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	102,555.91	5,429.73
26 12 19 00-0128	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	152,170.56	6,886.49
26 12 19 00-0129	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	161,104.51	8,343.24
26 12 19 00-0130 Factory Modifications (26 12 19 00-0111)					
Note: For use with series 4100 3 phase transformers.					
26 12 19 00-0131	EA		Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	3,248.18	
26 12 19 00-0132	EA		Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	528.19	
26 12 19 00-0133	EA		Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,112.76	
26 12 19 00-0134	EA		Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	6,086.98	
26 12 19 00-0135	EA		Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	745.68	
26 12 19 00-0136	EA		Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	590.33	
26 12 19 00-0137 Accessories For Transformer Liquid Containment Area (26 12 19 00-0111)					
Note: Reinforced concrete curb with 6" slab.					
26 12 19 00-0138	EA		Containment Area For 75 KVA	8,336.82	2,395.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,596.91	
26 12 19 00-0139	EA		Containment Area For 112.5 KVA	8,336.82	2,395.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,596.91	
26 12 19 00-0140	EA		Containment Area For 150 KVA	8,336.82	2,395.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,596.91	
26 12 19 00-0141	EA		Containment Area For 225 KVA	8,336.82	2,395.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,596.91	
26 12 19 00-0142	EA		Containment Area For 300 KVA	8,328.24	2,395.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,594.34	
26 12 19 00-0143	EA		Containment Area For 500 KVA	8,328.24	2,395.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,594.34	
26 12 19 00-0144	EA		Containment Area For 750 KVA	8,415.24	2,395.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,594.34	
26 12 19 00-0145	EA		Containment Area For 1,000 KVA	9,676.68	2,395.32
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,594.34	
26 12 19 00-0146 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL (26 12 19 00-0111)					
Note: Rated to 5 KVA.					
26 12 19 00-0147	EA		45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	19,546.05	1,589.19
26 12 19 00-0148	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	21,410.24	1,589.19
26 12 19 00-0149	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,653.05	1,589.19
26 12 19 00-0150	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	26,381.45	1,589.19
26 12 19 00-0151	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	28,069.99	2,383.79
26 12 19 00-0152	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	29,312.80	2,383.79
26 12 19 00-0153	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	44,226.40	2,383.79
26 12 19 00-0154	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	56,491.30	3,178.38
26 12 19 00-0155	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	72,647.70	3,178.38

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 12 19 00-0156	Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL (26 12 19 00-0111)			
	Note: Rated to 5 KVA.			
26 12 19 00-0157	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	20,167.45	1,589.19
26 12 19 00-0158	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,653.05	1,589.19
26 12 19 00-0159	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	23,274.45	1,589.19
26 12 19 00-0160	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	23,895.85	1,589.19
26 12 19 00-0161	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	26,069.99	2,383.79
26 12 19 00-0162	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	30,555.60	2,383.79
26 12 19 00-0163	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	44,226.40	2,383.79
26 12 19 00-0164	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	57,112.70	3,178.38
26 12 19 00-0165	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	72,647.70	3,178.38
26 12 19 00-0166	Primary 5 KV Or 15 KV, Secondary 277/480 Volt (26 12 19 00-0110)			
	Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.			
26 12 19 00-0167	EA	150 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	69,220.06	2,094.76
26 12 19 00-0168	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	75,442.69	2,472.90
26 12 19 00-0169	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	84,487.72	3,022.43
26 12 19 00-0170	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	100,813.44	3,400.58
26 12 19 00-0171	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	124,497.74	3,579.45
26 12 19 00-0172	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	149,714.58	5,230.10
26 12 19 00-0173	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	176,453.28	5,917.01
26 12 19 00-0174	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	221,418.92	6,801.17
26 12 19 00-0175	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	245,354.33	7,141.22
26 12 19 00-0176	EA	3,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	258,375.14	7,957.63
26 12 19 00-0177	EA	3,750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	297,625.99	8,501.73
26 12 19 00-0178	Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled (26 12 19 00-0110)			
26 12 19 00-0179	EA	1,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	127,961.22	5,901.86
26 12 19 00-0180	EA	2,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	157,840.83	6,787.16
26 12 19 00-0181	EA	2,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	179,934.88	7,144.33
26 12 19 00-0182	EA	3,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	190,795.38	7,984.88
26 12 19 00-0183	EA	3,750 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	214,487.93	8,226.84
26 12 19 00-0184	Silicone Filled Distribution Transformers, 3 Phase (26 12 19 00-0110)			
	Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.			
26 12 19 00-0185	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	120,723.75	2,472.90
26 12 19 00-0186	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	129,221.80	3,022.43
26 12 19 00-0187	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	151,539.00	3,400.58
26 12 19 00-0188	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	184,210.51	3,579.45
26 12 19 00-0189	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	219,828.28	5,230.10
26 12 19 00-0190	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	280,361.58	5,917.01
26 12 19 00-0191	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	341,450.34	6,801.17
26 12 19 00-0192	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	391,266.85	7,141.22

26 13 Medium-Voltage Switchgear (26 10)**26 13 16 Medium-Voltage Fusible Interrupter Switchgear** (26 13)**26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section** (26 13 16)

Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0003	EA		1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	16,112.67 3,334.90	1,496.79
26 13 16 00-0004	EA		1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	16,914.19 3,511.24	1,496.79
26 13 16 00-0005	EA		1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	23,049.65 4,818.43	1,906.97
26 13 16 00-0006	EA		2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	31,423.07 6,628.48	1,906.97
26 13 16 00-0007	EA		2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	45,059.14 9,590.11	2,302.75
26 13 16 00-0008	EA		3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	41,110.67 8,705.14	2,302.75
26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)					
26 13 16 00-0010	EA		1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	24,062.38 5,062.13	1,727.06
26 13 16 00-0011	EA		2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	29,543.90 6,197.12	2,158.83
26 13 16 00-0012	EA		3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	41,556.94 8,789.03	2,590.60
26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)					
26 13 16 00-0014	EA		1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	23,199.63 4,853.31	1,727.06
26 13 16 00-0015	EA		1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	31,951.32 6,737.27	1,727.06
26 13 16 00-0016	EA		1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	46,694.53 9,933.59	2,302.75
26 13 16 00-0017	EA		2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	29,184.48 6,100.76	2,302.75
26 13 16 00-0018	EA		2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	42,403.22 8,967.61	2,878.44
26 13 16 00-0019	EA		2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	59,361.53 12,654.94	2,878.44
26 13 16 00-0020	EA		3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	40,819.86 8,607.24	2,878.44
26 13 16 00-0021	EA		3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	56,625.52 12,043.02	2,878.44
26 13 16 00-0022	EA		3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	73,416.79 15,697.89	2,878.44
26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)					
26 13 16 00-0024	EA		1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	7,224.92 1,457.27	942.69
26 13 16 00-0025	EA		1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	9,397.87 1,935.32	942.69
26 13 16 00-0026	EA		2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	10,187.41 2,066.32	1,252.12
26 13 16 00-0027	EA		2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	12,623.99 2,560.62	1,547.16
26 13 16 00-0028	EA		3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	17,021.87 3,528.15	1,547.16
26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)					
26 13 16 00-0030	EA		1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	9,143.41 1,860.96	1,439.22
26 13 16 00-0031	EA		2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	11,964.13 2,439.11	1,439.22
26 13 16 00-0032	EA		3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	18,260.93 3,782.57	1,439.22
26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)					
26 13 16 00-0034	EA		1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	9,427.34 1,903.55	1,223.34
26 13 16 00-0035	EA		1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	10,056.21 2,041.90	1,223.34
26 13 16 00-0036	EA		1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	14,413.55 2,958.44	1,511.18
26 13 16 00-0037	EA		2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	12,841.40 2,570.70	1,813.42

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 13 Medium-Voltage Switchgear**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	15,804.93	1,813.42
		<i>For Weatherproofing, Add</i>	3,222.68	
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	18,172.26	2,115.65
		<i>For Weatherproofing, Add</i>	3,700.71	
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	17,016.38	2,417.89
		<i>For Weatherproofing, Add</i>	3,404.39	
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	19,047.08	2,417.89
		<i>For Weatherproofing, Add</i>	3,851.15	
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	23,470.76	2,705.74
		<i>For Weatherproofing, Add</i>	4,781.96	

26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections (26 13 16 00-0001)

26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	4,583.38	912.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	547.23	
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	5,730.91	1,012.06
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	607.27	
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	7,481.44	1,217.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	730.57	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section.....	4,721.72	1,831.12
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	5,716.26	118.46
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,635.71	118.46
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	13,984.05	118.46
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	10,989.52	118.46
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	11,997.12	118.46
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	16,331.16	118.46
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,588.59	118.46
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,925.98	118.46
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	4,445.13	118.46
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67.....	2,844.83	118.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	
26 13 16 00-0058	EA	AC Ammeter With Switch.....	1,112.30	118.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer.....	1,112.30	118.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	
26 13 16 00-0060	EA	Indicating Wattmeter.....	1,644.82	118.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	
26 13 16 00-0061	EA	Indicating Varmeter.....	1,940.27	118.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element.....	1,218.08	118.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N.....	2,914.48	118.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87.....	5,404.40	118.46
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary.....	753.94	118.46
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses.....	3,606.23	118.46

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)**26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)**

26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	58,282.13	1,799.03
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	64,362.42	2,273.96
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	73,073.87	2,273.96
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	66,794.68	1,799.03
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	75,138.30	1,799.03
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	85,642.98	2,115.65
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	88,368.56	2,417.89
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	96,754.55	2,417.89
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	105,720.98	2,720.13

26 13 29 Medium-Voltage Compartmentalized Switchgear (26 13)**26 13 29 00-0001 Substation Secondary Distribution Section (26 13 29)**

Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.

26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker (26 13 29 00-0001)

Note: With solid state long - time and instantaneous trips.

26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	18,566.20	1,150.65
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	29,311.47	1,739.67
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	39,684.80	2,136.92
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	65,973.32	2,479.37
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	84,812.01	2,821.82

26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker (26 13 29 00-0001)

26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,217.83	349.30
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,495.82	349.30
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,423.59	513.68
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	17,766.99	513.68
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	29,674.71	753.40

26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering (26 13 29 00-0001)

Note: No provisions for future breaker.

		Electrical	26	26
		Medium-Voltage Electrical Distribution	26 10	
		Medium-Voltage Switchgear	26 13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 13 29 00-0015	EA		600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,347.10 223.23	390.40
26 13 29 00-0016	EA		3,000 Amperes, Blank Section Filler, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,496.37 262.05	390.40
26 13 29 00-0017	EA		4,000 Amperes, Blank Section Filler, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,596.29 376.70	602.73
26 13 29 00-0018 Accessories For Substation Secondary Distribution (26 13 29 00-0001)					
26 13 29 00-0019	EA		Short Time Delay Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,679.35 71.08	
26 13 29 00-0020	EA		Key Interlock Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,612.36 71.08	
26 13 29 00-0021	EA		Ammeter And Switch Complete Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,725.50 71.08	118.46
26 13 29 00-0022	EA		Voltmeter And Switch Complete Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,725.50 71.08	118.46
26 13 29 00-0023	EA		Wattmeter - Complete Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,550.56 71.08	118.46
26 13 29 00-0024	EA		Watt-hour Meter - Complete Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,180.89 71.08	118.46
26 13 29 00-0025	EA		Circuit Breaker Lifting Device Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,651.69 81.04	135.10
26 13 29 00-0026	EA		Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,630.20 1,200.53	2,000.85
26 13 29 00-0027	EA		Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,243.04 35.54	118.46
26 13 29 00-0028	EA		Potential Transformers Each With Fuses Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,180.29 35.54	118.46
26 13 29 00-0029	EA		Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,306.01 35.54	59.23
26 13 29 00-0030	EA		3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,381.62 71.08	118.46
26 13 29 00-0031	EA		3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,144.95 71.08	59.23

26 18 Medium-Voltage Circuit Protection Devices (26 10)

26 18 36 Medium-Voltage Enclosed Fuses (26 18)

26 18 36 00-0001			Sectionalizing Switch (26 18 36)		
26 18 36 00-0002			Pad Mounted Metal Enclosed Oil Filled Switching Units (26 18 36 00-0001) Note: 15 KV - 25 KV.		
26 18 36 00-0003			Sectionalizing Tapping And Fusing Underground Feeders (26 18 36 00-0002) Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004	EA		3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	77,209.74	993.24
26 18 36 00-0005	EA		3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	86,863.76	993.24

26 19 High-Voltage Circuit Protection (26 10)

26 19 18 Protection Devices (26 19)

26 19 18 00-0001			Primary Fuse Cutouts (26 19 18) Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 19 18 00-0002			Non-Loadbreak Current Limiting Primary Fuse Cutouts (26 19 18 00-0001) Note: Includes the fuse and cutout switch.		
26 19 18 00-0003			8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)		
26 19 18 00-0004	EA		15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	808.43 172.71	359.80
26 19 18 00-0005	EA		25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	952.35 215.88	359.80
26 19 18 00-0006	EA		40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,095.79 258.92	359.80
26 19 18 00-0007	EA		100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,117.99 259.07	359.80
26 19 18 00-0008	EA		200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,117.99 259.07	359.80
26 19 18 00-0009			17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)		
26 19 18 00-0010	EA		15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	808.43 172.71	287.85
26 19 18 00-0011			17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting (26 19 18 00-0002)		
26 19 18 00-0012	EA		15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	837.78 172.71	287.85
26 19 18 00-0013			Fuseholders (26 19 18 00-0002) Note: Including current limiting fuse.		
26 19 18 00-0014	EA		15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	684.72 172.71	359.80
26 19 18 00-0015	EA		25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	828.64 215.88	359.80

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 19 High-Voltage Circuit Protection**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
26 19 18 00-0016	EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	972.08 258.92		359.80	
26 19 18 00-0017	EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	694.88 172.71		359.80	
26 19 18 00-0018	EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	838.80 215.88		359.80	
26 19 18 00-0019	EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	684.72 172.71		287.85	
26 19 18 00-0020 Accessories (26 19 18 00-0002)					
26 19 18 00-0021	EA Hot Line Clamp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.25 21.59		32.38	
26 19 18 00-0022	EA Stirrup	111.56		32.38	
26 19 18 00-0023 Loadbreak Current Limiting Primary Fuse Cutouts (26 19 18 00-0001)					
Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.					
26 19 18 00-0024 8.3 KV-95 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)					
26 19 18 00-0025	EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,036.97 172.71		359.80	
26 19 18 00-0026	EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,180.89 215.88		359.80	
26 19 18 00-0027	EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,324.33 258.92		359.80	
26 19 18 00-0028	EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,367.83 259.07		359.80	
26 19 18 00-0029	EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,367.83 259.07		359.80	
26 19 18 00-0030 17.1 KV-95 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)					
26 19 18 00-0031	EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,036.97 172.71		287.85	
26 19 18 00-0032 17.1 KV-125 KV BIL Loadbreak Current Limiting (26 19 18 00-0023)					
26 19 18 00-0033	EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,036.97 172.71		287.85	
26 19 18 00-0034 Fuseholders (26 19 18 00-0023)					
Note: Includes current limiting fuses.					
26 19 18 00-0035	EA 15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	695.20 172.71		359.80	
26 19 18 00-0036	EA 25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	839.12 215.88		359.80	
26 19 18 00-0037	EA 40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	982.56 258.92		359.80	
26 19 18 00-0038	EA 15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	695.20 172.71		359.80	
26 19 18 00-0039 Pole Mounted Capacitors (26 19 18 00-0023)					
26 19 18 00-0040	EA Capacitors - Pole Mounted 6 KVAR.....	1,882.92		290.15	
26 19 80 Transmission and Distribution Accessories (26 19)					
26 19 80 60 Structure Assemblies (26 19 80)					
26 19 80 60-0001 Pole Structure Assemblies (26 19 80 60)					
26 19 80 60-0002 5 KV Pole Structure Assemblies (26 19 80 60-0001)					
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.					
26 19 80 60-0003	EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	589.23		273.45	
26 19 80 60-0004	EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	984.50		460.55	
26 19 80 60-0005	EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,130.92		359.80	
26 19 80 60-0006	EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	647.54		187.10	
26 19 80 60-0007	EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	820.13		259.06	
26 19 80 60-0008	EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,430.58		518.12	
26 19 80 60-0009	EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,123.61		388.59	
26 19 80 60-0010	EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,049.06		777.18	
26 19 80 60-0011	EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,329.48		877.92	
26 19 80 60-0012	EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,274.82		431.76	
26 19 80 60-0013	EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,076.76		460.55	
26 19 80 60-0014	EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,018.21		935.49	
26 19 80 60-0015	EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,547.27		561.29	
26 19 80 60-0016	EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	963.11		402.98	
26 19 80 60-0017	EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,806.49		820.35	
26 19 80 60-0018	EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,428.62		417.37	
26 19 80 60-0019 15 KV Pole Structure Assemblies (26 19 80 60-0001)					
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.					
26 19 80 60-0020	EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	618.58		273.45	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,026.43	460.55
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,273.50	359.80
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	697.86	187.10
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	891.42	244.67
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,573.16	518.12
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,228.45	388.59
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,262.93	777.18
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,618.83	877.92
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,417.40	431.76
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,131.27	460.55
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,072.72	935.49
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,656.30	561.29
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,017.62	388.59
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,861.00	820.35
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,537.65	503.73
26 19 80 60-0036 25 KV Pole Structure Assemblies (26 19 80 60-0001)				
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.				
26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,916.42	431.76
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,176.68	215.89
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,705.58	331.02
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,226.58	676.43
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,133.18	503.73
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,429.14	993.06
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,258.35	1,122.59
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,293.68	654.84
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,993.74	654.84
26 19 80 60-0046 50 KV Pole Structure Assemblies (26 19 80 60-0001)				
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.				
26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,574.54	590.08
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,402.59	302.23
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,768.82	474.95
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,319.58	964.28
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,546.29	719.61
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	4,887.11	1,439.22
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	5,789.83	1,597.53
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,954.85	777.18
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,969.00	899.51
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,863.17	849.14
26 19 80 60-0057 Overhead To Underground Conversion Structures (26 19 80 60)				
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.				
26 19 80 60-0058 5 KV Structures (26 19 80 60-0057)				
Note: Excludes pole.				
26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,092.61	2,878.44
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,092.61	2,878.44
26 19 80 60-0061	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,092.61	2,878.44
26 19 80 60-0062	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	6,092.61	2,878.44
26 19 80 60-0063 15 KV Structures (26 19 80 60-0057)				
Note: Excludes pole.				
26 19 80 60-0064	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,289.92	2,878.44
26 19 80 60-0065	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,289.92	2,878.44
26 19 80 60-0066	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,289.92	2,878.44
26 19 80 60-0067	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	6,289.92	2,878.44
26 19 80 60-0068 25 KV Structures (26 19 80 60-0057)				
Note: Excludes pole.				
26 19 80 60-0069	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,505.18	2,878.44
26 19 80 60-0070	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,505.18	2,878.44
26 19 80 60-0071	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,505.18	2,878.44
26 19 80 60-0072	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,505.18	2,878.44
26 19 80 60-0073 Transformer Stations (26 19 80 60)				
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.				
26 19 80 60-0074 5 KV Station (26 19 80 60-0073)				
26 19 80 60-0075	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	9,859.96	3,835.88
26 19 80 60-0076	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	11,050.87	4,316.80
26 19 80 60-0077	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	12,241.78	4,797.40
26 19 80 60-0078	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	12,241.78	4,797.40
26 19 80 60-0079	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	9,859.96	3,835.88
26 19 80 60-0080 15 KV Stations (26 19 80 60-0073)				

26 Electrical**26 10 Medium-Voltage Electrical Distribution****26 19 High-Voltage Circuit Protection**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 19 80 60-0081	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	10,164.92	3,835.88
26 19 80 60-0082	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole.....	11,355.83	4,316.80
26 19 80 60-0083	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	12,546.74	4,797.40
26 19 80 60-0084	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole.....	12,546.74	4,797.40
26 19 80 60-0085	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole.....	10,164.92	3,835.88

26 19 80 60-0086 25 KV Stations (26 19 80 60-0073)

26 19 80 60-0087	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	10,497.60	3,835.88
26 19 80 60-0088	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole.....	11,688.51	4,316.80
26 19 80 60-0089	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	12,879.42	4,797.40
26 19 80 60-0090	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole.....	12,879.42	4,797.40
26 19 80 60-0091	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole.....	10,497.60	3,835.88

26 20 Low-Voltage Electrical Distribution (26)**26 21 Low-Voltage Electrical Service Entrance** (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)

26 21 13 00-0001		Service Drop Cable And Weatherheads (26 21 13)		
26 21 13 00-0002		600 Volt Insulated Stranded Conductors (26 21 13 00-0001)		
26 21 13 00-0003		Aluminum Duplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	9.37	3.43
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	11.36	4.05
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	13.55	4.57
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	18.32	5.75

26 21 13 00-0008 Aluminum Triplex ACSR Neutral (26 21 13 00-0002)

26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	11.54	4.05
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	13.30	4.57
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	16.93	5.75
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	21.40	7.02
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	27.82	9.28
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	35.76	11.52
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	49.11	13.71

26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)

26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	13.35	4.57
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	16.92	5.75
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	21.91	7.38
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	28.92	9.28
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	32.24	10.28
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	37.59	11.52
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	44.08	13.71
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	56.68	15.15

26 21 13 00-0025 Weatherproof Conduit Hubs (26 21 13 00-0002)

26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs.....	59.72	22.82
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs.....	68.09	25.93
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs.....	78.75	29.04
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs.....	109.32	38.90
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs.....	119.97	42.01
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs.....	153.23	48.75
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs.....	198.33	54.97
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs.....	254.14	64.82
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs.....	454.91	129.66

26 21 13 00-0035 Service Entrance Cap, Threaded Weatherhead, Galvanized (26 21 13 00-0002)

26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service.....	65.76	22.82
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service.....	75.33	25.93
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	86.03	29.04
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	115.54	38.90
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	129.96	42.01
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service.....	168.47	48.75
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service.....	273.76	54.97
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service.....	312.45	64.82
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service.....	521.96	129.66

26 21 13 00-0045 Service Entrance Cap, Clamp-On Weatherhead, Aluminum (26 21 13 00-0002)

26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service.....	63.86	22.82
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service.....	72.13	25.93
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	81.70	28.91
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	108.70	38.90
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	120.72	42.01
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service.....	142.07	48.75

				Electrical	26	26
				Low-Voltage Electrical Distribution	26 20	
				Low-Voltage Electrical Service Entrance	26 21	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
26 21 13 00-0052	EA		2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	224.25		54.97
26 21 13 00-0053	EA		3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	287.55		64.82
26 21 13 00-0054	EA		3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	406.95		97.24
26 21 13 00-0055	EA		4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	492.32		129.66
26 21 13 00-0056 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) (26 21 13 00-0002)						
26 21 13 00-0057	EA		1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	61.45		22.82
26 21 13 00-0058	EA		3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	70.21		25.93
26 21 13 00-0059	EA		1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	79.55		28.91
26 21 13 00-0060	EA		1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	106.07		38.90
26 21 13 00-0061	EA		1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	115.36		42.01
26 21 13 00-0062	EA		2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	140.15		48.75
26 21 13 00-0063	EA		2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	221.54		54.97
26 21 13 00-0064	EA		3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	249.81		64.82
26 21 13 00-0065	EA		3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	422.45		97.24
26 21 13 00-0066	EA		4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	582.68		129.66
26 21 16 Low-Voltage Underground Electrical Service Entrance (26 21)						
26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial (26 21 16)						
Note: Excludes excavation and backfill.						
26 21 16 00-0002	MLF		#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,875.11		1,279.32
26 21 16 00-0003	MLF		#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,615.13		1,354.60
26 21 16 00-0004	MLF		#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,688.62		1,439.22
26 21 16 00-0005	MLF		1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,012.96		1,439.22
26 21 16 00-0006	MLF		2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,940.85		1,535.22
26 21 16 00-0007	MLF		3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	10,639.09		1,771.40
26 21 16 00-0008	MLF		4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	12,999.20		2,302.75
26 22 Low-Voltage Transformers (26 20)						
26 22 13 Low-Voltage Distribution Transformers (26 22)						
26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers (26 22 13)						
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.						
26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)						
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.						
26 22 13 00-0003	EA		1 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,776.27		332.43
26 22 13 00-0004	EA		3 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,489.83		398.92
26 22 13 00-0005	EA		5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,250.78		416.21
26 22 13 00-0006	EA		7.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,018.68		432.16
26 22 13 00-0007	EA		10 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,875.15		465.41
26 22 13 00-0008	EA		15 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,066.94		498.65
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add				303.48		
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add				455.22		
26 22 13 00-0009	EA		25 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,763.13		531.89
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add				334.97		
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add				502.45		
26 22 13 00-0010	EA		37.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,441.90		598.38
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add				312.26		
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add				468.38		
26 22 13 00-0011	EA		50 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,928.90		664.87
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add				379.96		
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add				569.94		
26 22 13 00-0012	EA		75 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,896.45		797.85
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add				515.04		
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add				772.56		
26 22 13 00-0013	EA		100 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,184.13		930.82
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add				666.13		
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add				999.19		
26 22 13 00-0014	EA		167 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	24,491.42		1,196.77
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add				1,104.89		
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add				1,657.34		
26 22 13 00-0015	EA		250 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	44,847.25		1,462.71
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add				2,096.09		
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add				3,144.14		
26 22 13 00-0016	EA		333 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	70,959.00		1,662.17
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add				3,381.73		
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add				5,072.60		
26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)						
Note: 1-10 Percent x 2-5 percent FCBN taps.						
26 22 13 00-0018	EA		3 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,972.59		398.92
26 22 13 00-0019	EA		5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,421.96		415.55
26 22 13 00-0020	EA		7.5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,092.20		432.16
26 22 13 00-0021	EA		10 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,696.49		465.41

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 22 13 00-0022		240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	7,370.42	498.65
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	8,098.10	531.89
26 22 13 00-0025		208 x 230 Volt, 120 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001) Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0026	EA	0.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	1,453.55	299.19
26 22 13 00-0027	EA	1 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	1,659.27	332.43
26 22 13 00-0028	EA	2 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	2,217.86	365.68
26 22 13 00-0029	EA	3 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	2,592.01	398.92
26 22 13 00-0030	EA	5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	2,940.81	416.21
26 22 13 00-0031	EA	7.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	3,411.05	432.16
26 22 13 00-0032	EA	10 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	4,485.33	465.41
26 22 13 00-0033	EA	15 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	6,276.37	498.65
26 22 13 00-0034		1 Phase Mounting Brackets (26 22 13 00-0001)		
26 22 13 00-0035	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	656.40	236.92
26 22 13 00-0036		1 Phase Weathershields (26 22 13 00-0001) Note: Use with types DT-3 and DS-3.		
26 22 13 00-0037	EA	37.5 KVA 1 Phase Weathershields, Set Of 2.....	218.65	
26 22 13 00-0038	EA	50 KVA 1 Phase Weathershields, Set Of 2.....	278.70	
26 22 13 00-0039	EA	75 KVA 1 Phase Weathershields, Set Of 2.....	332.34	
26 22 13 00-0040	EA	100 KVA 1 Phase Weathershields, Set Of 2.....	396.48	
26 22 13 00-0041	EA	167 KVA 1 Phase Weathershields, Set Of 2.....	536.41	
26 22 13 00-0042	EA	250 KVA 1 Phase Weathershields, Set Of 2.....	641.36	
26 22 13 00-0043	EA	333 KVA 1 Phase Weathershields, Set Of 2.....	787.13	
26 22 13 00-0044		Packaged Power Supply (26 22 13 00-0001) Note: 2-5 Percent FCBN taps.		
26 22 13 00-0045	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers.....	4,045.54	415.55
26 22 13 00-0046	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers.....	4,622.96	432.16
26 22 13 00-0047	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers.....	5,013.56	465.41
26 22 13 00-0048	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers.....	6,296.25	498.65
26 22 13 00-0049	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers.....	8,967.61	531.89
26 22 13 00-0050		240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)		
26 22 13 00-0051	EA	0.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	3,018.07	299.19
26 22 13 00-0052	EA	1 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	4,425.59	332.43
26 22 13 00-0053	EA	2.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	5,141.63	398.92
26 22 13 00-0054	EA	5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	5,728.77	415.55
26 22 13 00-0055	EA	7.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	6,520.00	432.16
26 22 13 00-0056	EA	10 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	8,568.87	465.41
26 22 13 00-0057	EA	15 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer.....	11,305.76	498.65
26 22 13 00-0058		600 Volt, 208/120 Volt, Dry General Purpose Transformer (26 22 13 00-0001)		
26 22 13 00-0059	EA	15 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	14,118.10	498.65
26 22 13 00-0060	EA	25 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	14,619.48	531.89
26 22 13 00-0061	EA	30 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	15,167.12	565.14
26 22 13 00-0062	EA	37.5 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	20,266.05	598.38
26 22 13 00-0063	EA	45 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	21,042.97	631.62
26 22 13 00-0064	EA	50 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	28,364.21	664.87
26 22 13 00-0065		3 Phase General Purpose "Dry Type" Transformer (26 22 13) Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0066		Packaged Power Supply (26 22 13 00-0065) Note: 2-5 Percent FCBN taps.		
26 22 13 00-0067	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	18,266.49 770.38	1,429.47
26 22 13 00-0068	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	22,151.67 954.66	1,529.20
26 22 13 00-0069	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers..... For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	26,751.51 1,171.36	1,662.17
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,757.04	
26 22 13 00-0070		Drive Isolation Transformers (26 22 13 00-0065) Note: Only use in step-up applications.		
26 22 13 00-0071		230 Volt Drive Isolation Transformers (26 22 13 00-0070)		
26 22 13 00-0072	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,225.39	531.89

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 22 13 00-0073	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,818.35	565.14
26 22 13 00-0074	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,190.13	598.38
26 22 13 00-0075	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,239.01	631.62
26 22 13 00-0076	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,685.42	698.11
26 22 13 00-0077	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,047.72	764.61
26 22 13 00-0078	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	17,028.75	831.09
26 22 13 00-0079	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,829.33	930.82
26 22 13 00-0080	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	21,479.29	964.07
26 22 13 00-0081	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	24,847.05	997.31
26 22 13 00-0082	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	31,357.31	1,030.55
26 22 13 00-0083	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	35,156.57	1,263.26
26 22 13 00-0084	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	39,250.25	1,329.74
26 22 13 00-0085	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	45,021.03	1,396.23
26 22 13 00-0086	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	54,935.69	1,662.17
26 22 13 00-0087	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	72,891.19	1,961.36
26 22 13 00-0088	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	76,896.67	2,160.82
26 22 13 00-0089	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	93,754.44	2,393.54
26 22 13 00-0090	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	115,852.48	2,659.48

26 22 13 00-0091 208V Drive Isolation Transformers (26 22 13 00-0070)

26 22 13 00-0092	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,640.81	531.89
26 22 13 00-0093	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,311.47	565.14
26 22 13 00-0094	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,698.79	598.38
26 22 13 00-0095	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,848.58	631.62
26 22 13 00-0096	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,310.94	698.11
26 22 13 00-0097	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,669.32	731.36
26 22 13 00-0098	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	17,877.39	864.34
26 22 13 00-0099	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	20,743.88	930.82
26 22 13 00-0100	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	22,474.45	964.07
26 22 13 00-0101	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	26,010.24	997.31
26 22 13 00-0102	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	32,848.49	1,030.55
26 22 13 00-0103	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	36,817.44	1,263.26
26 22 13 00-0104	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	41,112.72	1,329.74
26 22 13 00-0105	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	47,170.47	1,396.23
26 22 13 00-0106	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	57,562.71	1,662.17

26 22 13 00-0107 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps (26 22 13 00-0065)

26 22 13 00-0108	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	6,415.05	548.52
26 22 13 00-0109	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	8,493.72	598.38
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	364.65	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	547.27	

26 22 13 00-0110 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps (26 22 13 00-0065)

26 22 13 00-0111	EA	30 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	9,478.21	731.36
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	400.78	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	601.16	
		For K4 Factor Rating, Add	5,610.85	
		For K13 Factor Rating, Add	8,015.50	
		For K20 Factor Rating, Add	10,420.15	
26 22 13 00-0112	EA	37.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	11,503.29	797.85
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	495.38	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	743.07	
		For K4 Factor Rating, Add	6,935.32	
		For K13 Factor Rating, Add	9,907.60	
		For K20 Factor Rating, Add	12,879.88	
26 22 13 00-0113	EA	45 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	12,005.37	864.34
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	513.84	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	770.75	
		For K4 Factor Rating, Add	7,193.70	
		For K13 Factor Rating, Add	10,276.71	
		For K20 Factor Rating, Add	13,359.72	
26 22 13 00-0114	EA	50 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	15,907.61	930.82
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	702.30	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,053.45	
		For K4 Factor Rating, Add	9,832.19	
		For K13 Factor Rating, Add	14,045.98	
		For K20 Factor Rating, Add	18,259.77	
26 22 13 00-0115	EA	75 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	15,631.14	997.31
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	681.83	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,022.74	
		For K4 Factor Rating, Add	9,545.57	
		For K13 Factor Rating, Add	13,636.53	
		For K20 Factor Rating, Add	17,727.49	
26 22 13 00-0116	EA	112.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer.....	19,488.51	1,196.77
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	854.75	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,282.12	
		For K4 Factor Rating, Add	11,966.48	
		For K13 Factor Rating, Add	17,094.97	
		For K20 Factor Rating, Add	22,223.46	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 22 13 00-0117	EA 150 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	25,458.25 1,139.94 1,709.91 15,959.14 22,798.77 29,638.40		1,329.74
26 22 13 00-0118	EA 225 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	34,825.12 1,575.04 2,362.56 22,050.54 31,500.77 40,951.00		1,662.17
26 22 13 00-0119	EA 300 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	42,424.79 1,915.13 2,872.69 26,811.81 38,302.59 49,793.37		2,061.09
26 22 13 00-0120	EA 500 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	61,140.95 2,804.40 4,206.60 39,261.56 56,087.94 72,914.32		2,526.51
26 22 13 00-0121	EA 750 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	142,928.14 6,840.57 10,260.85 95,767.93 136,811.33 177,854.73		3,045.95
26 22 13 00-0122	EA 1,000 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	188,795.23 9,107.33 13,660.99 127,502.56 182,146.52 236,790.48		3,324.35
26 22 13 00-0123	480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps (26 22 13 00-0065)			
26 22 13 00-0124	EA 6 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	5,175.37 2,901.37 4,144.82 5,388.27		515.28
26 22 13 00-0125	EA 9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	6,415.05 3,722.61 5,318.01 6,913.41		548.52
26 22 13 00-0126	EA 15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	8,493.72 364.85 547.27 5,107.87 7,296.95 9,486.04		598.38
26 22 13 00-0127	480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps (26 22 13 00-0065)			
26 22 13 00-0128	EA 30 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	16,720.55 762.89 1,144.34 10,680.49 15,257.84 19,835.19		731.36
26 22 13 00-0129	EA 45 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	18,707.60 848.95 1,273.42 11,885.26 16,978.94 22,072.62		864.34
26 22 13 00-0130	EA 75 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	27,817.56 1,291.15 1,936.72 18,076.07 25,822.95 33,569.84		997.31
26 22 13 00-0131	EA 112.5 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	34,965.52 1,628.60 2,442.90 22,800.39 32,571.98 42,343.57		1,196.77
26 22 13 00-0132	EA 150 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	42,199.65 1,977.01 2,965.51 27,678.12 39,540.17 51,402.22		1,329.74

		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Low-Voltage Transformers	26 22	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0133	EA	225 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	54,125.81 2,540.07 3,810.11 35,561.02 50,801.46 66,041.90	1,662.17
26 22 13 00-0134	EA	300 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	65,778.83 3,082.83 4,624.25 43,159.64 61,656.63 80,153.62	2,061.09
26 22 13 00-0135	EA	500 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	106,320.72 5,063.39 7,595.08 70,887.40 101,267.71 131,648.02	2,526.51
26 22 13 00-0136		3 Phase 60 Hz K20 Dry Type Transformers (26 22 13 00-0065)		
26 22 13 00-0137		3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise (26 22 13 00-0136) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer.....	7,907.13	598.38
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer.....	12,092.27	731.36
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer.....	17,914.73	864.34
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer.....	22,976.56	997.31
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer.....	34,759.24	1,196.77
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer.....	42,380.14	1,329.74
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer.....	49,194.57	1,662.17
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer.....	78,600.06	2,061.09
26 22 13 00-0146		3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise (26 22 13 00-0136) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0147	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	9,254.35	598.38
26 22 13 00-0148	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	14,219.48	731.36
26 22 13 00-0149	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	21,150.66	864.34
26 22 13 00-0150	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	27,166.50	997.31
26 22 13 00-0151	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	41,231.10	1,196.77
26 22 13 00-0152	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	50,328.15	1,329.74
26 22 13 00-0153	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	58,367.32	1,662.17
26 22 13 00-0154	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer.....	93,496.92	2,061.09
26 22 13 00-0155		NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0065)		
26 22 13 00-0156		Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0155) Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0157		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0156)		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,611.53	595.94
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,405.97	728.38
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,305.28	860.81
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,064.35	993.24
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,401.67	1,191.89
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,638.40	1,324.33
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,394.31	1,655.41
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	21,570.50	2,052.71

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 22 13 00-0166		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0156)		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,339.53	595.94
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,287.80	728.38
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,380.62	860.81
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,587.95	993.24
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,974.27	1,191.89
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,335.33	1,324.33
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,019.60	1,655.41
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	26,810.03	2,052.71
26 22 13 00-0175		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0156)		
26 22 13 00-0176	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,064.59	595.94
26 22 13 00-0177	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,172.08	728.38
26 22 13 00-0178	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,455.97	860.81
26 22 13 00-0179	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,109.11	993.24
26 22 13 00-0180	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,958.38	1,191.89
26 22 13 00-0181	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	17,032.25	1,324.33
26 22 13 00-0182	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	22,644.90	1,655.41
26 22 13 00-0183	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	32,049.56	2,052.71
26 22 13 00-0184		Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0155)		
		Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0185		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0184)		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,822.08	595.94
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,878.14	728.38
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,095.88	860.81
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,602.05	993.24
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	12,987.77	1,191.89
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	16,226.36	1,324.33
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	21,559.76	1,655.41
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	30,484.31	2,052.71
26 22 13 00-0194		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0184)		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,547.14	595.94
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,762.42	728.38
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,171.23	860.81
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,125.67	993.24
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	16,848.22	1,191.89
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	21,189.09	1,324.33
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	27,036.90	1,655.41
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	40,157.48	2,052.71
26 22 13 00-0203		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0184)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 22 13 00-0204	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,274.65	595.94
26 22 13 00-0205	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,646.69	728.38
26 22 13 00-0206	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,246.56	860.81
26 22 13 00-0207	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,646.81	993.24
26 22 13 00-0208	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,949.33	1,191.89
26 22 13 00-0209	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,688.87	1,324.33
26 22 13 00-0210	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	32,511.58	1,655.41
26 22 13 00-0211	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	47,883.28	2,052.71
26 22 13 00-0212			3 Phase Weathershields (26 22 13 00-0065) Note: Use with type DT-3 and DS-3.		
26 22 13 00-0213	EA		45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	1,772.67	
26 22 13 00-0214	EA		150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,010.31	
26 22 13 00-0215	EA		500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,010.31	
26 22 13 00-0216			Three Phase Mounting Brackets (26 22 13 00-0065)		
26 22 13 00-0217	EA		3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	1,420.12	236.92
26 22 13 00-0218			Foam Core Poly Transformer Pads (26 22 13)		
26 22 13 00-0219	EA		Single Phase Foam Core Poly Pads..... Note: Excludes site prep.	464.95	44.04

26 24 Switchboards and Panelboards (26 20)

26 24 13 Switchboards (26 24)

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001			Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0002			Incoming Service Section Main Device Only (26 24 13 00-0001) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,474.85	1,134.10
26 24 13 00-0004	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,949.62	1,199.58
26 24 13 00-0005	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,956.43	1,360.74
26 24 13 00-0006	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,570.29	1,458.76
26 24 13 00-0007	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,700.34	1,555.36
26 24 13 00-0008	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,271.71	1,653.77
26 24 13 00-0009	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,402.11	1,134.10
26 24 13 00-0010	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,903.83	1,199.58
26 24 13 00-0011	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,602.19	1,361.91
26 24 13 00-0012	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,108.81	1,458.76
26 24 13 00-0013	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,700.34	1,556.92
26 24 13 00-0014	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,271.71	1,653.77
26 24 13 00-0015	EA		2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	18,336.73	1,728.97
26 24 13 00-0016	EA		3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	20,781.03	1,852.28
26 24 13 00-0017	EA		4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	24,517.01	1,996.71
26 24 13 00-0018	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,053.42	1,004.84
26 24 13 00-0019	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,370.12	1,069.80
26 24 13 00-0020	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,860.61	1,231.47
26 24 13 00-0021	EA		1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,160.00	1,283.21
26 24 13 00-0022	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,426.79	1,329.50
26 24 13 00-0023	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,848.35	1,425.45
26 24 13 00-0024	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,241.62	1,523.21

26 24 13 00-0025 Branch Breaker Units (26 24 13 00-0001)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA		15 To 60 Amperes, 240 Volt, MC Branch Breaker.....	380.03	39.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.73	
26 24 13 00-0027	EA		70 To 100 Amperes, 240 Volt, MC Branch Breaker	557.07	62.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.34	
26 24 13 00-0028	EA		125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,492.72	113.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.07	
26 24 13 00-0029	EA		100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,646.69	147.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.68	
26 24 13 00-0030	EA		300 To 600 Amperes, 240 Volt, MC Branch Breaker	4,720.91	363.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	217.79	
26 24 13 00-0031	EA		400 To 800 Amperes, 240 Volt, MC Branch Breaker	7,544.08	363.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	217.79	
26 24 13 00-0032	EA		600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	12,234.93	646.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	388.19	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 13 00-0033	Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0034	Incoming Service Section Main Device Only (26 24 13 00-0033)		
Note: Copper bus, non-metering type, with fuses.			
26 24 13 00-0035	EA 400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,331.80	1,471.60
26 24 13 00-0036	EA 600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,068.03	1,471.60
26 24 13 00-0037	EA 800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	10,433.81	1,912.43
26 24 13 00-0038	EA 1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	11,816.91	1,912.43
26 24 13 00-0039	Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)		
26 24 13 00-0040	Incoming Service Section Main Device Only (26 24 13 00-0039)		
Note: Copper bus, non-metering type, with fuses.			
26 24 13 00-0041	EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,025.83	1,004.84
26 24 13 00-0042	EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,479.34	1,069.80
26 24 13 00-0043	EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,836.08	1,231.47
26 24 13 00-0044	EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	7,426.76	1,328.47
26 24 13 00-0045	EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	4,906.07	1,004.84
26 24 13 00-0046	EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	6,183.40	1,069.80
26 24 13 00-0047	EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	8,664.28	1,231.47
26 24 13 00-0048	EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	12,412.92	1,328.47
26 24 13 00-0049	EA 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	14,568.08	1,491.05
26 24 13 00-0050	EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,829.84	875.05
26 24 13 00-0051	EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,168.56	940.14
26 24 13 00-0052	EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,719.51	1,101.82
26 24 13 00-0053	EA 1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,001.72	1,153.55
26 24 13 00-0054	EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,274.49	1,199.58
26 24 13 00-0055	EA 1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,637.27	1,283.21
26 24 13 00-0056	EA 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,991.79	1,360.74
26 24 13 00-0057	EA 2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,196.15	1,685.53
26 24 13 00-0058	EA 3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,932.97	1,847.61
26 24 13 00-0059	EA 4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	8,145.78	1,993.47
26 24 13 00-0060	Branch Breaker Units (26 24 13 00-0039)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.			
26 24 13 00-0061	EA 15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	205.27	34.36
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.62	
26 24 13 00-0062	EA 70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	326.26	57.05
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.23	
26 24 13 00-0063	EA 125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	987.06	79.73
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.84	
26 24 13 00-0064	EA 100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,828.65	102.43
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.46	
26 24 13 00-0065	EA 300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	4,462.11	249.59
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	149.74	
26 24 13 00-0066	EA 400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	6,335.45	249.59
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	149.74	
26 24 13 00-0067	EA 600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	10,451.42	476.48
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	285.92	
26 24 13 00-0068	Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0069	Incoming Service Section Main Device Only (26 24 13 00-0068)		
Note: Copper bus, non-metering type, with fuses.			
26 24 13 00-0070	EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,476.44	1,134.10
26 24 13 00-0071	EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,947.84	1,199.58
26 24 13 00-0072	EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,954.14	1,360.74
26 24 13 00-0073	EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,567.66	1,458.76
26 24 13 00-0074	EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,694.36	1,555.36
26 24 13 00-0075	EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	15,271.71	1,653.77
26 24 13 00-0076	EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	5,403.70	1,134.10
26 24 13 00-0077	EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,902.05	1,199.58
26 24 13 00-0078	EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,602.19	1,361.91
26 24 13 00-0079	EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,106.18	1,458.76
26 24 13 00-0080	EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,697.35	1,556.92
26 24 13 00-0081	EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,271.71	1,653.77
26 24 13 00-0082	EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,200.13	1,004.84
26 24 13 00-0083	EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,574.65	1,069.80
26 24 13 00-0084	EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,167.14	1,231.47
26 24 13 00-0085	EA 1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,481.16	1,283.21
26 24 13 00-0086	EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,784.44	1,329.50
26 24 13 00-0087	EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,192.52	1,425.45
26 24 13 00-0088	EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,606.30	1,523.21
26 24 13 00-0089	EA 2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,650.43	1,730.92
26 24 13 00-0090	EA 3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,354.37	1,852.15
26 24 13 00-0091	EA 4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	8,671.51	1,990.23
26 24 13 00-0092	Branch Breaker Units (26 24 13 00-0068)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.			
26 24 13 00-0093	EA 15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	380.03	39.54
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.73	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	557.07 37.34	62.24
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,492.72 68.07	113.45
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,646.69 88.68	147.81
26 24 13 00-0097	EA	300 To 600 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,720.91 217.79	363.04
26 24 13 00-0098	EA	400 To 800 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,544.08 217.79	363.04
26 24 13 00-0099	EA	600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,234.93 388.19	646.99
26 24 13 00-0100		Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)		
26 24 13 00-0101		Incoming Service Section Main Device Only (26 24 13 00-0100) Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,807.91	1,555.36
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	6,371.48	1,653.77
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	9,031.58	1,845.92
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	9,870.13	1,976.48
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	7,382.19	1,555.36
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	9,899.98	1,653.77
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,215.71	1,848.00
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,141.56	1,976.48
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,798.70	2,107.57
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	16,441.24	2,238.52
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,200.13	1,004.84
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,574.65	1,069.80
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,167.14	1,231.47
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,481.16	1,283.21
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,784.44	1,329.50
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,192.52	1,425.45
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,606.30	1,523.21
26 24 13 00-0119		Branch Breaker Units (26 24 13 00-0100) Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	784.41 23.73	39.54
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	905.03 37.34	62.24
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,641.31 68.07	113.45
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,646.69 88.68	147.81
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,342.21 217.79	363.04
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,487.03 217.79	363.04
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,412.38 388.19	646.99
26 24 13 00-0127		Fusible Branch Circuit Switch (26 24 13) Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128		240 Volt, 2 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	811.40 328.81	101.78
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	808.58 328.81	101.78
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	808.58 328.81	101.78
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,267.71 328.81	134.20
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,267.71 328.81	134.20
26 24 13 00-0134		240 Volt, 2 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	927.29 314.99	99.84
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,349.68 314.99	99.84
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	3,469.73	269.04
26 24 13 00-0138		240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,038.95 328.81	114.75
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,036.14 328.81	114.75
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit..... <i>For Electrical Interlock Kit, Add</i>	1,036.14 328.81	114.75

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,559.85	153.65	
		<i>For Electrical Interlock Kit, Add</i>	328.81		
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,559.85	153.65	
		<i>For Electrical Interlock Kit, Add</i>	328.81		
26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)					
26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,122.66	112.80	
		<i>For Electrical Interlock Kit, Add</i>	328.81		
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,811.23	112.80	
		<i>For Electrical Interlock Kit, Add</i>	314.99		
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,643.99	301.19	
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	6,629.54	385.86	
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	12,329.21	522.77	
26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)					
26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,465.34	114.75	
		<i>For Electrical Interlock Kit, Add</i>	328.81		
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,462.49	114.75	
		<i>For Electrical Interlock Kit, Add</i>	328.81		
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,465.34	114.75	
		<i>For Electrical Interlock Kit, Add</i>	328.81		
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	2,203.20	153.65	
		<i>For Electrical Interlock Kit, Add</i>	328.81		
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	2,250.81	153.65	
		<i>For Electrical Interlock Kit, Add</i>	328.81		
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	4,785.98	200.97	
		<i>For Electrical Interlock Kit, Add</i>	328.81		
26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)					
26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,581.89	112.80	
		<i>For Electrical Interlock Kit, Add</i>	328.81		
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,394.24	112.80	
		<i>For Electrical Interlock Kit, Add</i>	314.99		
26 24 13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,826.59	301.19	
		<i>For Electrical Interlock Kit, Add</i>	314.99		
26 24 13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	7,077.16	385.86	
26 24 13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	12,329.21	522.77	
26 24 13 00-0163 Service And Distribution Structures (26 24 13)					
26 24 13 00-0164 Distribution Section 600 Volt, 250 Volt DC (26 24 13 00-0163)					
26 24 13 00-0165 600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)					
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,006.29	1,192.84	
26 24 13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,580.86	1,192.84	
26 24 13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,987.91	1,516.98	
26 24 13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,406.77	1,516.98	
26 24 13 00-0170 800 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)					
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,387.48	1,380.84	
26 24 13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,945.49	1,380.84	
26 24 13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,406.77	1,711.47	
26 24 13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,783.06	1,711.47	
26 24 13 00-0175 1,200 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)					
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,977.46	1,685.53	
26 24 13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,549.63	1,685.53	
26 24 13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,040.31	2,074.51	
26 24 13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,591.57	2,074.51	
26 24 13 00-0180 1,600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)					
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,894.15	1,847.61	
26 24 13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,579.64	1,847.61	
26 24 13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,163.56	2,281.96	
26 24 13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,643.77	2,281.96	
26 24 13 00-0185 2,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)					
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,134.52	1,854.09	
26 24 13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,876.48	2,087.47	
26 24 13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,997.34	2,087.47	
26 24 13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,251.76	2,204.16	
26 24 13 00-0190 3,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)					
26 24 13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,025.50	2,087.47	
26 24 13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,144.55	2,087.47	
26 24 13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	7,398.97	2,204.16	

26 24 13 00-0194		4,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)		
26 24 13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,191.72	2,204.16
26 24 13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,398.97	2,204.16
26 24 13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,490.85	2,204.16

26 24 13 00-0198		Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	631.62	155.59
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy.....	712.31	155.59
26 24 13 00-0201	EA	Cable Supports In Pull Box.....	252.41	38.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.61	

26 24 13 00-0202		Underground Pull Sections (26 24 13 00-0164)		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal.....	614.91	181.52
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal.....	1,058.47	233.38
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal.....	1,058.47	233.38
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	794.75	181.52
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	1,133.67	265.80
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,295.39	265.80
26 24 13 00-0209	EA	26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,359.78	343.59
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,438.23	343.59

26 24 13 00-0211		Switchboard Sections (26 24 13 00-0163)		
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,922.82	1,080.43
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,390.91	1,174.43
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,763.86	1,500.64
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,396.96	1,637.04
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,888.38	1,742.71
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section.....	5,818.23	947.79
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,353.83	900.33
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,713.84	976.32
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus.....	8,085.96	1,080.43
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	8,685.85	1,083.28
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	9,537.77	1,209.44
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	189.62	64.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.59	
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	231.15	66.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.77	
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	1,048.36	77.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	100.77	
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,732.60	167.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.32	
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	694.40	233.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.04	
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	1,936.98	135.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	100.77	

26 24 13 00-0229		Switchboard, Structure Per Section Copper, 480 Volt (26 24 13 00-0163)		
26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	2,552.25	562.71
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,626.04	760.95
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	4,076.14	926.13
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,155.03	1,296.57
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	6,389.58	1,620.71
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	7,023.69	1,620.71
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	8,688.92	2,160.99
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	9,904.81	2,160.99
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	11,650.79	2,572.52
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	13,888.15	2,572.52

26 24 13 00-0240		Main Devices (26 24 13)		
26 24 13 00-0241		Power Circuit Breakers (26 24 13 00-0240)		
26 24 13 00-0242		DSL Breaker With Current Limiters And Amptector (26 24 13 00-0241)		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	8,889.61	1,361.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	815.11	
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	16,198.60	2,268.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,360.04	
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	36,340.71	3,811.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,266.72	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	58,564.02	6,171.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,769.09	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed.....	3,044.81	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed.....	393.23	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed.....	515.89	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed.....	371.58	

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26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector (26 24 13 00-0241)				
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.				
26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	10,398.62	1,426.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	859.79	
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	19,287.14	2,398.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,432.14	
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	40,797.17	3,954.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,383.39	
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	63,062.03	6,482.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,985.34	
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated (26 24 13 00-0241)				
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.				
26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	7,093.07	1,244.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	748.02	
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	12,956.38	2,087.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,246.70	
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	19,244.21	3,500.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,077.83	
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	33,189.85	5,640.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,460.58	
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	54,032.90	9,205.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,753.99	
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated (26 24 13 00-0241)				
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.				
26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	8,337.88	1,192.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	713.44	
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	15,535.76	1,996.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,188.78	
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	22,174.67	3,319.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,984.54	
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	36,603.03	5,406.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,307.56	
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	57,301.55	9,270.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,525.14	
26 24 13 00-0268 Molded Case Circuit Breakers Conventional (26 24 13 00-0241)				
26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,067.08	1,089.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	627.37	
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,444.65	1,089.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	682.40	
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,928.51	1,296.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	748.02	
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,845.20	1,296.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	810.35	
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	8,620.51	1,555.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	888.06	
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	13,853.42	1,555.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	982.25	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	389.62	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	90.19	
26 24 13 00-0277 Switchboard Branch Breaker 480 Volt (26 24 13 00-0240)				
26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	626.11	94.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.37	
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	739.88	124.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.80	
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,122.42	187.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.68	
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,804.20	235.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.34	
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,397.15	315.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	189.56	
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	4,105.07	405.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	243.11	
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,599.40	617.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	370.45	
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,599.40	617.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	370.45	
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	9,255.91	864.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	518.63	
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	11,570.98	1,296.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	777.94	
26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker (26 24 13 00-0240)				
26 24 13 00-0289	EA	400 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,481.62	562.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	337.65	
26 24 13 00-0290	EA	600 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,588.61	616.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	369.74	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0291	EA	800 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,208.37 555.67	926.13
26 24 13 00-0292	EA	1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,011.74 777.94	1,296.57
26 24 13 00-0293	EA	1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,287.12 860.55	1,434.26
26 24 13 00-0294	EA	2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,928.19 1,543.53	2,572.52
26 24 13 00-0295		Branch Or Distribution Devices (26 24 13)		
26 24 13 00-0296		3 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297	EA	15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	668.80 31.12	46.68
26 24 13 00-0298	EA	70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	674.96 38.90	58.34
26 24 13 00-0299	EA	125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,627.16 46.68	70.01
26 24 13 00-0300	EA	70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,359.99 60.29	90.76
26 24 13 00-0301	EA	125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,327.94 74.68	112.02
26 24 13 00-0302	EA	300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,359.44 87.52	130.95
26 24 13 00-0303	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,657.07 98.80	147.81
26 24 13 00-0304		2 Pole, Panel Mounted, Molded Case Circuit Breakers (26 24 13 00-0295) Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA	15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	460.70 23.34	35.00
26 24 13 00-0306	EA	70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	591.86 31.12	46.68
26 24 13 00-0307	EA	125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,621.88 38.90	58.34
26 24 13 00-0308	EA	70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,570.90 42.79	64.82
26 24 13 00-0309	EA	125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,716.05 56.40	84.27
26 24 13 00-0310	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,158.53 81.68	122.52
26 24 13 00-0311		Meter Devices And Instrumentation (26 24 13) Note: Factory installed accessories.		
26 24 13 00-0312		Compartments For Instrument Transformers And Metering Devices (26 24 13 00-0311)		
26 24 13 00-0313	EA	Compartment For, Up To 800 Amperes, Primary Current Transformer	470.79	
26 24 13 00-0314	EA	Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer.....	680.03	
26 24 13 00-0315	EA	Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer.....	800.89	
26 24 13 00-0316		Instruments (26 24 13 00-0311)		
26 24 13 00-0317	EA	AC Voltmeter	642.15	
26 24 13 00-0318	EA	AC Ammeter	642.15	
26 24 13 00-0319	EA	AC Wattmeter	1,715.41	
26 24 13 00-0320	EA	Variometer	1,937.28	
26 24 13 00-0321	EA	Power Factor Meter	1,547.66	
26 24 13 00-0322	EA	Frequency Meter.....	1,708.19	
26 24 13 00-0323	EA	200 Volt-Amperes Max Potential Transformer.....	577.21	
26 24 13 00-0324	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	2,173.57	
26 24 13 00-0325	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,636.45	
26 24 13 00-0326	EA	Weatherproof, Modify Meter	3,524.14	
26 24 13 00-0327	EA	Control Switch Resistor Type 130 V	83.17	
26 24 13 00-0328	EA	Metering Instrument: Voltage, Amperes And Watt Hour	4,386.48	
26 24 16		Panelboards (26 24)		
26 24 16 00-0001		Branch Circuit Panelboard (26 24 16) Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002		Assembled Lighting And Power Panelboards (26 24 16 00-0001) Note: Includes main lugs or breaker (as indicated), 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003		120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,359.02 1,579.99	369.52
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,547.03 1,579.99	369.52

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26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,758.60	512.14
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,972.38	512.14
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,173.85	641.80
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,380.55	641.80
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,580.20	739.05
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,101.91	946.50
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,266.85	946.50
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,428.26	1,082.63
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,688.14	1,082.63
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,847.95	1,218.77
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,086.16	1,218.77
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,232.84	1,348.43
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,470.97	1,348.43
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,690.85	1,491.05
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,842.09	1,491.05
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,064.66	1,491.05
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	

26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards

00-0002)

/26 24 16

26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,603.70	356.56
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,794.53	356.56
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,236.38	609.39
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,535.39	609.39
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,740.90	745.52
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,955.25	745.52
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,145.52	894.63
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,803.78	894.63
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0031	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,973.67	1,095.59
			For NEMA 3R Panelboard, Add	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0032	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,158.26	1,095.59
			For NEMA 3R Panelboard, Add	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0033	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,360.52	1,231.74
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0034	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,524.38	1,231.74
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0035	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,699.14	1,348.43
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0036	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,886.46	1,348.43
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0037	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,088.41	1,594.78
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0038	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,307.46	1,594.78
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0039	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,546.75	1,594.78
			For NEMA 3R Panelboard, Add	2,136.20	
			For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0040	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,694.62	1,685.53
			For NEMA 3R Panelboard, Add	2,136.20	
			For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0041			120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0042	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,638.81	421.38
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0043	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,841.24	421.38
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0044	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,070.64	564.01
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0045	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,311.13	564.01
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0046	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,527.04	693.66
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0047	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,757.85	693.66
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0048	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,975.03	823.32
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0049	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,200.59	823.32
			For NEMA 3R Panelboard, Add	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0050	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,409.14	965.95
			For NEMA 3R Panelboard, Add	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0051	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,649.29	965.95
			For NEMA 3R Panelboard, Add	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0052	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,894.97	1,115.04
			For NEMA 3R Panelboard, Add	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0053	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,135.05	1,115.04
			For NEMA 3R Panelboard, Add	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0054	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,617.83	1,348.43
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 16 00-0055	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,783.33	1,348.43
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,062.87	1,497.53
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,318.09	1,497.53
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,497.25	1,633.68
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,753.85	1,633.68
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0060	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,575.33	1,449.56
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0061	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,757.90	1,523.47
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0062	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,050.30	1,604.50
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,325.19	1,698.50
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,515.80	1,750.37
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,825.32	1,857.33
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	

26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)

26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,940.74	408.41
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0068	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,145.82	408.41
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0069	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,388.87	538.07
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,723.31	538.07
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0071	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,228.13	810.35
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0072	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,438.83	810.35
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0073	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,667.48	946.50
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,858.66	946.50
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,114.90	1,095.59
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,291.49	1,095.59
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,574.10	1,231.74
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,815.54	1,231.74
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0079	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,654.69	1,426.22
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0080	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,906.60	1,504.02
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0081	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,014.71	1,504.02
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0082	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,297.98	1,698.50
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0083	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,494.22	1,698.50
			For NEMA 3R Panelboard, Add	2,136.20	
			For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0084	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,625.53	1,698.50
			For NEMA 3R Panelboard, Add	2,136.20	
			For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0085	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,640.96	1,562.36
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0086	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,916.78	1,653.12
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0087	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,028.65	1,698.50
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0088	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	7,334.64	1,802.22
			For NEMA 3R Panelboard, Add	2,052.47	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0089	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	7,529.85	1,854.09
			For NEMA 3R Panelboard, Add	2,136.20	
			For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0090	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,715.82	1,918.92
			For NEMA 3R Panelboard, Add	2,136.20	
			For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0091			480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0092	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,843.27	414.90
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0093	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,109.86	414.90
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0094	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,365.33	570.49
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0095	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,631.88	570.49
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0096	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,880.28	713.11
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0097	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,142.17	713.11
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0098	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,415.61	862.21
			For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0099	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,665.96	862.21
			For NEMA 3R Panelboard, Add	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0100	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,941.49	1,024.29
			For NEMA 3R Panelboard, Add	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0101	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,207.40	1,024.29
			For NEMA 3R Panelboard, Add	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0102	EA		100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,451.64	1,166.91
			For NEMA 3R Panelboard, Add	1,737.56	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,713.54	1,166.91
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,274.82	1,419.74
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,536.41	1,419.74
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,815.11	1,555.88
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,017.73	1,555.88
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,328.17	1,717.95
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,548.92	1,717.95
		<i>For NEMA 3R Panelboard, Add</i>	2,136.20	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	

26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)

26 24 16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,341.73	440.83
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,602.16	479.73
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,865.51	596.42
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	3,445.71	726.08
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,697.74	803.87
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,926.98	868.70
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	4,180.20	946.50
		<i>For NEMA 3R Panelboard, Add</i>	1,579.99	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,423.65	1,024.29
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,645.93	1,089.11
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,884.79	1,153.94
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,143.71	1,231.74
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,427.21	1,328.98
		<i>For NEMA 3R Panelboard, Add</i>	1,737.56	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,808.15	1,478.08
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0124	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	7,079.76	1,568.84
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0125	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,271.31	1,607.74
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	7,577.39	1,711.47
		<i>For NEMA 3R Panelboard, Add</i>	2,052.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0127	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,788.63 2,136.20 277.14	1,776.29
26 24 16 00-0128	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,007.87 2,136.20 277.14	1,832.05
26 24 16 00-0129			277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0130	EA		100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,238.23 1,579.99	453.80
26 24 16 00-0131	EA		100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,534.73 1,579.99	453.80
26 24 16 00-0132	EA		100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,823.34 1,579.99	602.91
26 24 16 00-0133	EA		100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,114.38 1,579.99	602.91
26 24 16 00-0134	EA		100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,410.27 1,579.99	745.52
26 24 16 00-0135	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,699.88 1,579.99	745.52
26 24 16 00-0136	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,994.38 1,579.99	894.63
26 24 16 00-0137	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,287.62 1,737.56 126.97	894.63
26 24 16 00-0138	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,608.72 1,737.56 126.97	1,050.22
26 24 16 00-0139	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,876.44 1,737.56 126.97	1,050.22
26 24 16 00-0140	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,159.72 1,737.56 126.97	1,056.70
26 24 16 00-0141	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,461.85 1,737.56 126.97	1,056.70
26 24 16 00-0142	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,224.27 2,052.47 216.84	1,465.12
26 24 16 00-0143	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,533.20 2,052.47 216.84	1,465.12
26 24 16 00-0144	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,769.93 2,052.47 216.84	1,542.91
26 24 16 00-0145	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,107.99 2,052.47 216.84	1,646.64
26 24 16 00-0146	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,361.26 2,136.20 277.14	1,646.64
26 24 16 00-0147	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,737.33 2,136.20 277.14	1,802.22
26 24 16 00-0148			277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)		
26 24 16 00-0149	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,902.75 1,579.99	557.52
26 24 16 00-0150	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,206.45 1,579.99	557.52
26 24 16 00-0151	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,498.40 1,579.99	739.05

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 16 00-0152	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	4,167.94	739.05
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0153	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	4,450.13	933.53
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0154	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	4,731.87	933.53
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0155	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	5,003.83	1,069.67
		For NEMA 3R Panelboard, Add	1,579.99	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	5,254.63	1,069.67
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	5,522.00	1,218.77
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	5,809.43	1,218.77
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	6,055.59	1,348.43
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	6,314.29	1,348.43
		For NEMA 3R Panelboard, Add	1,737.56	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0161	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	8,226.29	1,594.78
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0162	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	8,541.71	1,594.78
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0163	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	8,772.34	1,743.88
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0164	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	9,125.78	1,743.88
		For NEMA 3R Panelboard, Add	2,052.47	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	9,378.28	1,905.95
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	9,639.66	1,905.95
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0167	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	11,423.80	2,122.48
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0168	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	13,902.25	2,547.75
		For NEMA 3R Panelboard, Add	2,136.20	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	

26 24 16 00-0169 Unassembled Lighting And Power Panelboards (26 24 16 00-0001)

Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0169)

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)

26 24 16 00-0172	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	709.39	
26 24 16 00-0173	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	816.78	
26 24 16 00-0174	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,114.60	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0175	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,286.98	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0176	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,456.82	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0177	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,630.35	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0178	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,770.48	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0179	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,939.32	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0180	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,118.05	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0181	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,257.92	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0182	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,467.52	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	

26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)

26 24 16 00-0184	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,056.00	
26 24 16 00-0185	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,197.39	
26 24 16 00-0186	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,920.37	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0187	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,133.36	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0188	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,334.01	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	
26 24 16 00-0189	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,036.55	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97	
26 24 16 00-0190	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,277.97	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84	
26 24 16 00-0191	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,495.42	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14	

26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)

26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,428.64	
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,527.81	
26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,808.50	
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,977.47	
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,134.29	
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,440.71	
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,571.93	
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,732.55	
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,974.31	
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,109.10	
26 24 16 00-0203	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,305.93	

26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards (26 24 16 00-0170)

26 24 16 00-0205	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,767.03	
26 24 16 00-0206	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,899.52	
26 24 16 00-0207	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,747.17	
26 24 16 00-0208	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,943.72	
26 24 16 00-0209	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,132.04	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
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26 24 16 00-0210	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,817.45
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,050.65
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,266.05

26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0169)

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase
Unassembled Panelboards (26 24 16 00-0213)

26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	799.98
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	941.25
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,060.32
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,202.15
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,384.02
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,533.12
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,768.03
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,905.70
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,057.94
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,270.78
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,505.27
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,960.98
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14

26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase
Unassembled Panelboards (26 24 16 00-0213)

26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,237.74
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,396.31
26 24 16 00-0230	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,605.25
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0231	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,374.97
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0232	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,572.26
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0233	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,757.66
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,811.63
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,036.52
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,222.93
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14

26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase
Unassembled Panelboards (26 24 16 00-0213)

26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,519.23
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,652.28
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,762.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0241	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,896.06	
26 24 16 00-0242	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,074.50	
26 24 16 00-0243	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,210.59	
26 24 16 00-0244	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,578.39	
26 24 16 00-0245	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,707.15	
26 24 16 00-0246	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,851.18	
26 24 16 00-0247	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,127.04	
26 24 16 00-0248	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,345.77	
26 24 16 00-0249	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,801.47	
26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards (26 24 16 00-0213)					
26 24 16 00-0251	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,948.77	
26 24 16 00-0252	EA		100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,098.44	
26 24 16 00-0253	EA		100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,302.59	
26 24 16 00-0254	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,201.76	
26 24 16 00-0255	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,382.62	
26 24 16 00-0256	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,555.69	
26 24 16 00-0257	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,310.68	
26 24 16 00-0258	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,542.70	
26 24 16 00-0259	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,741.16	
26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0169)					
Note: As manufactured by Square D or equal.					
26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0260)					
26 24 16 00-0262	EA		125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,143.89	
26 24 16 00-0263	EA		125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,256.40	
26 24 16 00-0264	EA		250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,736.40	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0265	EA		250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,936.87	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0266	EA		250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,110.34	
			For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0267	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,108.34	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0268	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,222.86	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0269	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,415.41	
			For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0270	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,561.11	
			For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0271	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,745.35	
			For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0272	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,998.69	
			For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards (26 24 16 00-0260)					
26 24 16 00-0274	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,339.16	
26 24 16 00-0275	EA		100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,412.97	
26 24 16 00-0276	EA		125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,619.99	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,761.89
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,046.58
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,959.03
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,135.16
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,362.69
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,508.26
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	126.97
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,748.42
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	216.84
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,965.49
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	277.14

26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards

(26 24 16 00-0260)

26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,838.49
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,951.00
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,414.56
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,734.22
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,893.98
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,891.98
26 24 16 00-0292	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,985.95
26 24 16 00-0293	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,149.05
26 24 16 00-0294	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,363.24
26 24 16 00-0295	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,530.72
26 24 16 00-0296	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,748.04

26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards

(26 24 16 00-0260)

26 24 16 00-0298	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,181.71
26 24 16 00-0299	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,255.52
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,304.31
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,440.04
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,843.92
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,742.67
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,898.25
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,096.32
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,241.89
26 24 16 00-0307	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,463.24
26 24 16 00-0308	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,677.46

26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards

(26 24 16 00-0169)

Note: As manufactured by Square D or equal.

26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards

(26 24 16 00-0309)

26 24 16 00-0311	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,190.47
26 24 16 00-0312	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,303.67

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0313	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,509.00	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0314	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,804.95	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0315	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,006.93	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0316	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,179.08	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0317	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,198.90	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,335.20	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,526.29	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,672.20	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,857.37	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	3,111.68	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0323		Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)		
26 24 16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,578.91	
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,653.40	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,875.58	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,949.56	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,092.03	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,375.98	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,345.59	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,523.83	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,748.96	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,971.46	
		For Door-In-Door (Hinged) Trim Front, Add	126.97	
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,213.90	
		For Door-In-Door (Hinged) Trim Front, Add	216.84	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,430.86	
		For Door-In-Door (Hinged) Trim Front, Add	277.14	
26 24 16 00-0336		Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)		
26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,885.07	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,998.26	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,193.32	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,483.11	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,804.27	
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,962.72	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,984.60	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,098.29	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,259.92	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,474.33	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,642.38	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,859.70	

26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards
(26 24 16 00-0309)

26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,257.06	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,331.56	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,672.92	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,633.88	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,770.18	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,173.33	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,129.23	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,286.93	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,482.60	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,705.10	
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,928.36	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	6,141.89	

26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards
(26 24 16 00-0169)

Note: Square D I-Line or equal.

26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards
(26 24 16 00-0362)

26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,052.52	385.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	231.36	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,395.88	385.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	231.30	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,654.45	385.48
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	231.30	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,050.40	633.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	379.84	
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,250.53	633.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	379.84	
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,470.13	633.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	379.84	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,767.48	841.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	504.90	
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,960.36	844.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	506.45	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,038.44	841.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	504.90	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,673.35	841.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	504.90	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,110.54	1,266.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	759.67	
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,542.66	1,266.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	759.67	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,895.98	1,266.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	759.67	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,327.22	1,266.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	759.67	

Electrical			26	26
Low-Voltage Electrical Distribution			26 20	
Switchboards and Panelboards			26 24	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
				DEMOLITION UNIT COST

26 24 16 00-0378			Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0362)		
26 24 16 00-0379	EA		225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,925.70	393.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.24	
26 24 16 00-0380	EA		400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,145.43	446.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	267.98	
26 24 16 00-0381	EA		400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,395.14	446.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	267.98	
26 24 16 00-0382	EA		400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,130.10	446.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	267.98	
26 24 16 00-0383	EA		600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,012.54	732.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	439.28	
26 24 16 00-0384	EA		600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,425.54	734.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	440.45	
26 24 16 00-0385	EA		600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,765.22	732.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	439.28	
26 24 16 00-0386	EA		800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	10,136.91	978.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	587.26	
26 24 16 00-0387	EA		800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	10,624.99	975.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	585.19	
26 24 16 00-0388	EA		800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	11,112.02	975.29
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	585.19	
26 24 16 00-0389			Residential Lighting And Power Panelboards (26 24 16 00-0001)		
			See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0390			Residential Type Unassembled Load Center (26 24 16 00-0389)		
			Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0391			Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt (26 24 16 00-0390)		
26 24 16 00-0392	EA		30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	172.98	64.82
26 24 16 00-0393	EA		70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	582.99	259.32
26 24 16 00-0394	EA		100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	879.66	370.16
26 24 16 00-0395	EA		125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	1,879.36	778.07
26 24 16 00-0396	EA		150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	2,054.74	842.77
26 24 16 00-0397			Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390)		
			Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398	EA		60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	239.61	71.31
26 24 16 00-0399	EA		125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard.....	425.50	77.79
26 24 16 00-0400			Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof (26 24 16 00-0390)		
26 24 16 00-0401	EA		40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	243.58	71.31
26 24 16 00-0402	EA		70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	271.56	77.79
26 24 16 00-0403	EA		100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	959.04	370.16
26 24 16 00-0404	EA		150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard.....	2,175.54	842.77
26 24 16 00-0405			Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390)		
			Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406	EA		60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	300.01	71.31
26 24 16 00-0407	EA		125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	2,100.43	778.07
26 24 16 00-0408			Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt (26 24 16 00-0390)		
26 24 16 00-0409	EA		125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	2,255.57	778.07
26 24 16 00-0410	EA		150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	2,448.20	842.77
26 24 16 00-0411	EA		300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	8,485.83	1,296.57

26	26	Electrical
	26 20	Low-Voltage Electrical Distribution
	26 24	Switchboards and Panelboards



MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
26 24 16 00-0412		Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.			
26 24 16 00-0413	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,257.88		778.07
26 24 16 00-0414	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,553.19		842.77
26 24 16 00-0415	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	9,329.20		1,296.57
26 24 16 00-0416		Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof (26 24 16 00-0390)			
26 24 16 00-0417	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,367.74		778.07
26 24 16 00-0418	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,639.76		842.77
26 24 16 00-0419		Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC (26 24 16 00-0390) Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.			
26 24 16 00-0420	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,443.91		778.07
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,573.38		842.77
26 24 16 00-0422		Residential Type Assembled Load Center (26 24 16 00-0389)			
26 24 16 00-0423		Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase (26 24 16 00-0422) Note: Includes 1 pole plug-in breaker.			
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	880.17		370.16
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,070.20		432.40
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	899.16		370.16
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,075.38		432.40
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,556.53		576.32
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,837.32		691.72
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,101.61		798.04
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,314.58		863.91
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,464.63		1,296.57
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,623.84		576.32
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,901.17		691.72
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,165.46		798.04
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,374.98		863.91
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,663.09		1,296.57
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,253.21		1,440.62
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,460.30		1,440.62
26 24 16 00-0440		Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt (26 24 16 00-0422) Note: Includes 1 pole plug-in breaker.			
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,166.84		432.40
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,740.08		648.28
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,223.79		432.40
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,791.86		648.28
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,199.98		798.04
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,401.79		864.42
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,938.04		1,037.64
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,533.66		1,296.57
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,260.38		798.04
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,469.90		863.91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0451	EA		200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,169.69	1,036.86
26 24 16 00-0452	EA		200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,766.63	1,296.57
26 24 16 00-0453	EA		400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers.....	4,304.98	1,440.62
26 24 16 00-0454	EA		400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,512.07	1,440.62
26 24 16 00-0455 Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase (26 24 16 00-0422)					
Note: Includes 1 pole plug-in breaker.					
26 24 16 00-0456	EA		125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,159.94	432.40
26 24 16 00-0457	EA		125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,715.92	648.28
26 24 16 00-0458	EA		200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,978.83	691.72
26 24 16 00-0459	EA		200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,269.80	798.43
26 24 16 00-0460	EA		200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,496.70	864.42
26 24 16 00-0461	EA		200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,306.34	1,152.64
26 24 16 00-0462	EA		200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,996.09	691.72
26 24 16 00-0463	EA		200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,303.52	798.04
26 24 16 00-0464	EA		200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,504.41	863.91
26 24 16 00-0465	EA		200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,211.42	1,152.64
26 24 16 00-0466	EA		400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,030.72	1,440.62
26 24 16 00-0467	EA		400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	6,375.87	1,440.62
26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt (26 24 16 00-0422)					
Note: Includes 1 pole plug-in breaker.					
26 24 16 00-0469	EA		200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,979.91	864.42
26 24 16 00-0470	EA		200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,085.89	1,296.57
26 24 16 00-0471	EA		200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,082.53	863.91
26 24 16 00-0472	EA		200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	4,189.44	1,296.57
26 24 16 00-0473 Panel Mounted Accessories And Fuseholders (26 24 16 00-0001)					
26 24 16 00-0474 Midget Finger-Safe Fuse Holders (26 24 16 00-0473)					
Note: 30 Amp capacity. Excludes fuse.					
26 24 16 00-0475	EA		1 Pole Midget Finger-Safe Fuse Holder.....	82.15	23.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				15.56	
26 24 16 00-0476	EA		1 Pole With Indicator Midget Finger-Safe Fuse Holder.....	96.49	23.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				15.56	
26 24 16 00-0477	EA		2 Pole Midget Finger-Safe Fuse Holder.....	132.32	35.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				23.34	
26 24 16 00-0478	EA		2 Pole With Indicators Midget Finger-Safe Fuse Holder	169.76	35.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				23.34	
26 24 16 00-0479	EA		3 Pole Midget Finger-Safe Fuse Holder.....	194.12	46.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				31.12	
26 24 16 00-0480	EA		3 Pole With Indicators Midget Finger-Safe Fuse Holder	243.84	46.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				31.12	
26 24 16 00-0481	EA		3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	285.43	46.68
Note: With indicators.					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				31.12	
26 24 16 00-0482	EA		3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	230.29	46.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				31.12	
26 24 16 00-0483	EA		4 Pole Midget Finger-Safe Fuse Holder.....	244.46	58.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				38.90	
26 24 16 00-0484	EA		4 Pole With Indicator Midget Finger-Safe Fuse Holder.....	299.06	58.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				38.90	
26 24 16 00-0485	EA		12 To 24 Volt DC Midget Finger-Safe Fuse Holder	96.54	23.34
Note: With indicator.					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				15.56	
26 24 16 00-0486	EA		20 To 24 Volt DC Midget Finger-Safe Fuse Holder	104.15	23.34
Note: With indicator.					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				15.56	
26 24 16 00-0487	EA		35 To 48 Volt DC Midget Finger-Safe Fuse Holder	97.94	23.34
Note: With indicator.					
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add				15.56	
26 24 16 00-0488 Removal And Reinstallation Of Panelboards (26 24 16 00-0001)					
Note: Includes storage, cleaning and supply materials.					

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 16 00-0489	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers.....	1,627.67	
		Note: Includes removal and reinstallation of main wiring to panelboard.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	486.21	
26 24 16 00-0490	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	86.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.28	
26 24 16 00-0491	EA	Panelboard Filler Plate, Fits 1" Opening	6.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.22	

26 24 19 Motor-Control Centers (26 24)

26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers (26 24 19)
 Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.

26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)
 Note: 1-Speed non-reversing.

26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,544.96	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.08	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	3,013.11	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.63	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	4,480.75	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.18	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	8,118.16	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.40	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	16,342.67	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.62	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	27,491.92	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.15	

26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)
 Note: 1-Speed non-reversing.

26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,544.96	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.08	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	3,013.11	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.63	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,480.75	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.18	
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	8,118.16	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.40	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	16,342.67	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.62	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	27,491.92	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.15	

26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)
 Note: 1-Speed reversing.

26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,684.49	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.08	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	4,908.31	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.63	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	7,032.63	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.18	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	12,299.67	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.40	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	24,201.12	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.62	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	41,702.30	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.15	

26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)
 Note: 1-Speed reversing.

26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,684.49	118.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.08	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	4,908.31	124.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.63	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	7,032.63	130.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	78.18	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	12,299.67	154.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.40	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	24,201.12	177.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.62	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	41,702.30	236.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	142.15	

26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)
 Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,485.73	189.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.72	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	6,165.63	201.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	120.83	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	9,071.93	213.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	127.93	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	16,202.57	242.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	145.70	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,833.45 170.59	284.30
26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)				
Note: 2-Speed non-reversing, 2 wind.				
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,485.73 113.72	189.54
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,165.63 120.83	201.38
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,071.93 127.93	213.23
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,202.57 145.70	242.85
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,833.45 170.59	284.30
26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)				
Note: 2-Speed non-reversing, 2 wind.				
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,174.10 71.08	118.46
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,696.79 74.63	124.39
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,533.32 78.18	130.31
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,781.49 92.40	154.00
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,266.20 106.62	177.69
26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)				
Note: 2-Speed non-reversing, 1 wind.				
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,174.10 71.08	118.46
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,696.79 74.63	124.39
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,533.32 78.18	130.31
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,781.49 92.40	154.00
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,266.20 106.62	177.69
26 24 19 00-0054 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)				
Note: Reducing volt, auto-transformer.				
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,648.50 113.72	124.39
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,706.43 131.49	136.23
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,725.96 145.70	154.00
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,509.60 227.45	177.69
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,189.88 145.70	236.92
26 24 19 00-0060 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)				
Note: Reducing volt, auto-transformer.				
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,648.50 113.72	124.39
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,706.43 131.49	136.23
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,725.96 145.70	154.00
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,509.60 227.45	177.69
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,189.88 145.70	236.92
26 24 19 00-0066 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)				
Note: Reducing volt, part winding.				
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,231.74 113.72	189.54
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,756.43 131.49	219.15
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,868.95 145.70	242.85
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,220.31 177.69	296.15
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,776.25 227.45	379.07
26 24 19 00-0072 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)				
Note: Reducing volt, part winding.				
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,231.74 113.72	189.54
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,756.43 131.49	219.15
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,868.95 145.70	242.85

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,220.31 177.69	296.15
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,776.25 227.45	379.07
26 24 19 00-0078 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)				
Note: Reducing volt, energy saver.				
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,568.05 92.40	154.00
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,882.45 113.72	189.54
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,269.04 131.49	219.15
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,252.08 145.70	242.85
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,165.91 177.69	296.15
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70,791.26 227.45	379.07
26 24 19 00-0085 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)				
Note: Reducing volt, energy saver.				
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,568.05 92.40	154.00
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,882.45 113.72	189.54
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,269.04 131.49	219.15
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,252.08 145.70	242.85
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,165.91 177.69	296.15
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70,791.26 227.45	379.07
26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers (26 24 19)				
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.				
26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)				
Note: Full volt, 1-speed non-reversing.				
26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,402.03 71.08	118.46
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,870.17 74.63	124.39
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,980.01 78.18	130.31
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,012.87 92.40	154.00
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,708.16 106.62	177.69
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,120.07 142.15	236.92
26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)				
Note: Full volt, 1-speed non-reversing.				
26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,402.03 71.08	118.46
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,870.17 74.63	124.39
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,980.01 78.18	130.31
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,012.87 92.40	154.00
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,708.16 106.62	177.69
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,120.07 142.15	236.92
26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)				
Note: Full volt, 1-speed reversing.				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0108	EA		230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,534.32 71.08	118.46
26 24 19 00-0109	EA		230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,748.47 74.63	124.39
26 24 19 00-0110	EA		230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,498.09 78.18	130.31
26 24 19 00-0111	EA		230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,155.75 92.40	154.00
26 24 19 00-0112	EA		230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,499.01 106.62	177.69
26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)					
Note: Full volt, 1-speed reversing.					
26 24 19 00-0114	EA		480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,534.32 71.08	118.46
26 24 19 00-0115	EA		480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,748.47 74.63	124.39
26 24 19 00-0116	EA		480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,498.09 78.18	130.31
26 24 19 00-0117	EA		480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,155.75 92.40	154.00
26 24 19 00-0118	EA		480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,499.01 106.62	177.69
26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)					
Note: Full volt, 2-speed non-reversing, 2 wind.					
26 24 19 00-0120	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,321.07 113.72	189.54
26 24 19 00-0121	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,988.89 120.83	201.38
26 24 19 00-0122	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,513.25 127.93	213.23
26 24 19 00-0123	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,024.85 145.70	242.85
26 24 19 00-0124	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,104.79 170.59	284.30
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)					
Note: Full volt, 2-speed non-reversing, 2 wind.					
26 24 19 00-0126	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,321.07 113.72	189.54
26 24 19 00-0127	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,988.89 120.83	201.38
26 24 19 00-0128	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,513.25 127.93	213.23
26 24 19 00-0129	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,024.85 145.70	242.85
26 24 19 00-0130	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,104.79 170.59	284.30
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)					
Note: Full volt, 2-speed non-reversing, 1 wind.					
26 24 19 00-0132	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,127.91 106.62	177.69
26 24 19 00-0133	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,635.86 113.72	189.54
26 24 19 00-0134	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,109.56 120.83	201.38
26 24 19 00-0135	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,723.96 138.60	231.00
26 24 19 00-0136	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,661.90 163.48	272.46
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)					
Note: Full volt, 2-speed non-reversing, 1 wind.					
26 24 19 00-0138	EA		480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,127.91 106.62	177.69

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,635.86		189.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.72		
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	12,109.56		201.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.83		
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,723.96		231.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.60		
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	37,661.90		272.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.48		
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)					
Note: Reduced volt, auto-transformer.					
26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	8,459.70		124.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.63		
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	13,618.53		136.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.74		
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	23,011.78		154.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.40		
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	34,857.70		177.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.62		
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	57,349.17		236.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.15		
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)					
Note: Reduced volt, auto-transformer.					
26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	8,459.70		124.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.63		
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	13,618.53		136.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.74		
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	23,011.78		154.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.40		
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	34,857.70		177.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.62		
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	57,349.17		236.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.15		
26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)					
Note: Reduced volt, part winding.					
26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	6,067.08		189.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.72		
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,574.87		219.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.49		
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	13,300.62		242.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.70		
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	23,547.17		296.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.69		
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	34,734.17		379.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	227.45		
26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)					
Note: Reduced volt, part winding.					
26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	6,067.08		189.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.72		
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,574.87		219.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.49		
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	13,300.62		242.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.70		
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	23,547.17		296.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.69		
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	34,734.17		379.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	227.45		
26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)					
Note: Reduced volt, energy saving					
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	22,260.94		154.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.40		
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	23,568.11		189.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.72		
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	25,930.55		219.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.49		
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	38,800.12		242.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.70		
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	52,590.82		296.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.69		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0173	EA		230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73,705.28 227.45	379.07
26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)					
Note: Reduced volt, energy saving					
26 24 19 00-0175	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,260.99 92.42	154.00
26 24 19 00-0176	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,568.11 113.72	189.54
26 24 19 00-0177	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,930.55 131.49	219.15
26 24 19 00-0178	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,800.12 145.70	242.85
26 24 19 00-0179	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,590.82 177.69	296.15
26 24 19 00-0180	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73,705.28 227.45	379.07
26 24 19 00-0181 Combination Starters With Fusible Switch (26 24 19)					
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.					
26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)					
Note: 1-Speed non-reversing.					
26 24 19 00-0183	EA		7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,264.91 71.08	118.46
26 24 19 00-0184	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,121.75 74.63	124.39
26 24 19 00-0185	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,258.15 78.18	130.31
26 24 19 00-0186	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,269.76 92.40	154.00
26 24 19 00-0187	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,043.80 106.62	177.69
26 24 19 00-0188	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,827.99 142.15	236.92
26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)					
Note: 1-Speed non-reversing.					
26 24 19 00-0190	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,264.91 71.08	118.46
26 24 19 00-0191	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,121.75 74.63	124.39
26 24 19 00-0192	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,258.15 78.18	130.31
26 24 19 00-0193	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,269.76 92.40	154.00
26 24 19 00-0194	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,043.80 106.62	177.69
26 24 19 00-0195	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,827.99 142.15	236.92
26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)					
Note: 1-Speed reversing.					
26 24 19 00-0197	EA		7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,653.11 71.08	118.46
26 24 19 00-0198	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,439.45 74.63	124.39
26 24 19 00-0199	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,698.48 78.18	130.31
26 24 19 00-0200	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,173.14 92.40	154.00
26 24 19 00-0201	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,801.33 106.62	177.69
26 24 19 00-0202	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,054.83 142.15	236.92
26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)					
Note: 1-Speed reversing.					
26 24 19 00-0204	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,653.11 71.08	118.46
26 24 19 00-0205	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,439.45 74.63	124.39
26 24 19 00-0206	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,698.48 78.18	130.31
26 24 19 00-0207	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,173.14 92.40	154.00

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 24 19 00-0208	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,801.33 106.62		177.69
26 24 19 00-0209	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,054.83 142.15		236.92
26 24 19 00-0210	230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 2 wind.			
26 24 19 00-0211	EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,282.93 113.72		189.54
26 24 19 00-0212	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,885.57 120.83		201.38
26 24 19 00-0213	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,253.00 127.93		213.23
26 24 19 00-0214	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,516.42 145.70		242.85
26 24 19 00-0215	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,304.73 170.59		284.30
26 24 19 00-0216	480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 2 wind.			
26 24 19 00-0217	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,282.93 113.72		189.54
26 24 19 00-0218	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,885.57 120.83		201.38
26 24 19 00-0219	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,253.00 127.93		213.23
26 24 19 00-0220	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,516.42 145.70		242.85
26 24 19 00-0221	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,304.73 170.59		284.30
26 24 19 00-0222	230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 1 wind.			
26 24 19 00-0223	EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,879.56 71.08		118.46
26 24 19 00-0224	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,436.05 74.63		124.39
26 24 19 00-0225	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,702.32 78.18		130.31
26 24 19 00-0226	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,563.22 92.40		154.00
26 24 19 00-0227	480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181) Note: 2-Speed non-reversing, 1 wind.			
26 24 19 00-0228	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,879.56 71.08		118.46
26 24 19 00-0229	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,436.05 74.63		124.39
26 24 19 00-0230	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,702.32 78.18		130.31
26 24 19 00-0231	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,563.22 92.40		154.00
26 24 19 00-0232	230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Auto-transformer.			
26 24 19 00-0233	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,385.35 74.63		124.39
26 24 19 00-0234	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,031.87 81.74		136.23
26 24 19 00-0235	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,705.66 92.40		154.00
26 24 19 00-0236	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,978.95 106.62		177.69
26 24 19 00-0237	EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,679.53 142.15		236.92
26 24 19 00-0238	480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Auto-transformer.			
26 24 19 00-0239	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,385.35 74.63		124.39
26 24 19 00-0240	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,031.87 81.74		136.23
26 24 19 00-0241	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,705.66 92.40		154.00
26 24 19 00-0242	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,978.95 106.62		177.69
26 24 19 00-0243	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,679.53 142.15		236.92
26 24 19 00-0244	230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,263.12 113.72	189.54
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,964.06 131.49	219.15
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,077.07 145.70	242.85
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,062.40 177.69	296.15
26 24 19 00-0249		480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,263.12 113.72	189.54
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,964.06 131.49	219.15
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,077.07 145.70	242.85
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,062.40 177.69	296.15
26 24 19 00-0254		230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,565.63 92.40	154.00
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,882.45 113.72	189.54
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,269.04 131.49	219.15
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,252.08 145.70	242.85
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,165.91 177.69	296.15
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70,791.26 227.45	379.07
26 24 19 00-0261		480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,565.63 92.40	154.00
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,882.45 113.72	189.54
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,269.04 131.49	219.15
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,252.08 145.70	242.85
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,165.91 177.69	296.15
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70,791.26 227.45	379.07
26 24 19 00-0268		Starter Accessories (26 24 19) Note: Additional options or accessories for the Combination Starters		
26 24 19 00-0269		Starter Modifications (26 24 19 00-0268)		
26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	194.20	
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	376.63	
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	538.38	
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	135.20	
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	190.73	
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	321.10	
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	79.67	
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	67.60	
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	131.54	
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	162.63	
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	318.09	
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	162.63	
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	186.55	
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	224.82	
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	265.48	
26 24 19 00-0285	EA	Blank Devices Panel	50.23	
26 24 19 00-0286	EA	Oversize Or Special Color Starter	78.93	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	693.24	

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26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable.....	628.67	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable.....	932.76	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	78.93	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	112.41	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard.....	78.93	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	112.41	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility.....	112.41	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	162.63	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay.....	404.19	
26 24 19 00-0297	EA	Heater Module.....	82.16	
26 24 19 00-0298	EA	LAM - Long Acceleration Module.....	510.40	
26 24 19 00-0299	EA	JAM - Jam Protection Module.....	585.09	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module.....	1,110.43	
26 24 19 00-0301	EA	ULM - Underload Module.....	532.81	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer.....	117.02	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit.....	219.10	
26 24 19 00-0304	EA	Type SIS Control Wire.....	92.12	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control.....	117.02	
26 24 19 00-0306	EA	Ring Terminals Power.....	117.02	
26 24 19 00-0307	EA	14 Gauge Control Wire.....	92.12	
26 24 19 00-0308	EA	Wiremakers.....	117.02	
26 24 19 00-0309	EA	Wiring Diagram On Door.....	69.71	
26 24 19 00-0310	EA	Special Color Or Type Control Wire.....	84.65	
26 24 19 00-0311	EA	Current Transformer 12.5 VA.....	664.76	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4.....	2,123.76	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....	2,390.16	

26 24 19 00-0314 Control Relays And Special Components (26 24 19 00-0268)

26 24 19 00-0315	EA	600 Volt, 2 Pole, Control Relays.....	603.10	
26 24 19 00-0316	EA	600 Volt, 4 Pole, Control Relays.....	712.61	
26 24 19 00-0317	EA	600 Volt, 6 Pole, Control Relays.....	833.96	
26 24 19 00-0318	EA	600 Volt, 8 Pole, Control Relays.....	927.88	
26 24 19 00-0319	EA	Pneumatic Timer, Control Relays.....	801.61	
26 24 19 00-0320	EA	Motor Driven Timer, Control Relays.....	2,088.88	
26 24 19 00-0321	EA	7 Days Time Switch, Control Relays.....	2,629.14	
26 24 19 00-0322	EA	24 Hour Time Switch, Control Relays.....	737.25	
26 24 19 00-0323	EA	Phase Voltage, Control Relays.....	1,254.11	
26 24 19 00-0324	EA	Two Circuit Alternator, Control Relays.....	1,755.36	
26 24 19 00-0325	EA	Manual 120 Volt, Control Relays.....	171.64	
26 24 19 00-0326	EA	Over-Current Relay, Control Relays.....	4,750.45	
26 24 19 00-0327	EA	UV-Relay, Control Relays.....	4,023.44	
26 24 19 00-0328	EA	Over-Current Relay, Control Relays.....	4,023.44	
26 24 19 00-0329	EA	Teleductor, Control Relays.....	1,293.11	
26 24 19 00-0330	EA	Current Transducer, Control Relays.....	3,477.56	
26 24 19 00-0331	EA	Watt Transducer, Control Relays.....	6,955.12	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x.....	236.00	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....	353.02	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....	397.88	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway.....	442.74	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway.....	397.88	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway.....	442.74	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway.....	466.15	

26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)

26 24 19 00-0340	EA	Shunt Trip, Circuit Breaker.....	482.15	
26 24 19 00-0341	EA	Auxiliary Switch, Circuit Breaker.....	166.54	
26 24 19 00-0342	EA	Key Interlock, Circuit Breaker.....	598.99	
26 24 19 00-0343	EA	GFR Ground Fault, Circuit Breaker.....	2,761.27	
26 24 19 00-0344	EA	Seltronic Breaker, Circuit Breaker.....	1,599.55	

26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100.....	1,689.45	77.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.20	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150.....	2,927.56	118.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100.....	2,825.50	77.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.20	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150.....	4,061.22	118.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150.....	5,218.79	118.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250.....	3,218.72	154.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.42	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400.....	5,227.52	165.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.53	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600.....	6,895.77	213.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.88	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800.....	8,106.62	325.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.53	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200.....	11,478.71	491.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	295.20	
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000.....	25,192.45	651.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	390.59	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,654.33 489.97	817.38
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62,848.98 569.10	947.57
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,031.46 46.20	77.00
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,260.00 71.08	118.46
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,031.46 46.20	77.00
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,260.00 71.08	118.46
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,459.29 46.20	77.00
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,735.67 71.08	118.46
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,878.89 71.08	118.46
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,094.98 71.08	118.46
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,838.75 195.53	325.76
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,838.75 195.53	325.76
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,564.19 213.14	355.38
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,193.86 248.66	414.61
26 24 19 00-0371	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,181.03 295.20	491.61
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)				
26 24 19 00-0373	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches.....	1,994.69	118.46
26 24 19 00-0374	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,087.69	118.46
26 24 19 00-0375	EA	100 Amperes, Incoming Line And Feeder Fusible Switches.....	2,922.22	148.07
26 24 19 00-0376	EA	200 Amperes, Incoming Line And Feeder Fusible Switches.....	4,753.75	177.69
26 24 19 00-0377	EA	400 Amperes, Incoming Line And Feeder Fusible Switches.....	9,373.63	225.07
26 24 19 00-0378	EA	600 Amperes, Incoming Line And Feeder Fusible Switches.....	13,148.64	296.15
26 24 19 00-0379	EA	800 Amperes, Incoming Line And Feeder Fusible Switches.....	31,987.83	396.84
26 24 19 00-0380	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches.....	36,087.36	550.84
26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)				
26 24 19 00-0382	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,631.13	
26 24 19 00-0383	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,683.74	
26 24 19 00-0384	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,738.75	
26 24 19 00-0385	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	1,994.66	
26 24 19 00-0386	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	2,162.08	
26 24 19 00-0387	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	2,671.50	
26 24 19 00-0388	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	2,941.77	
26 24 19 00-0389	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	3,314.87	
26 24 19 00-0390	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	7,706.00	
26 24 19 00-0391	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	4,089.77	
26 24 19 00-0392	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	5,665.89	
26 24 19 00-0393	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	8,830.09	
26 24 19 00-0394	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	8,177.16	
26 24 19 00-0395	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	11,331.78	
26 24 19 00-0396	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	12,772.43	
26 24 19 00-0397	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	17,692.19	
26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)				
26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Panel Type	770.12	
26 24 19 00-0400	EA	Metering Equipment, Voltmeter, Switchboard Type	1,683.74	
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Panel	693.59	
26 24 19 00-0402	EA	Metering Equipment, Ammeter, Switchboard Type	1,683.74	
26 24 19 00-0403	EA	Metering Equipment, Voltmeter/Ammeter, Switch	935.15	
26 24 19 00-0404	EA	Metering Equipment, Control Switch, 4 Circuits.....	992.55	
26 24 19 00-0405	EA	Add For Additional Circuits	136.94	
26 24 19 00-0406	EA	Metering Equipment, Indicating Wattmeter	3,472.72	
26 24 19 00-0407	EA	Metering Equipment, Indicating Power Factor	3,637.75	
26 24 19 00-0408	EA	Metering Equipment, Integrating Watt-hour	3,207.24	
26 24 19 00-0409	EA	Add For Demand Attachment	896.31	
26 24 19 00-0410	EA	800 Amperes, Metering Equipment, Current Transformer	959.06	
26 24 19 00-0411	EA	1,000 Amperes, Metering Equipment, Current Transformer	1,655.04	
26 24 19 00-0412	EA	2,000 Amperes, Metering Equipment, Current Transformer	1,927.70	
26 24 19 00-0413	EA	Metering Equipment, Potential Transformer	1,607.21	
26 24 19 00-0414	EA	Metering Equipment, Surge Arrester	1,729.19	
26 24 19 00-0415	EA	Metering Equipment, Ground Detector System	1,322.60	
26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)				
26 24 19 00-0417	EA	600 Amperes, Current Limiting Reactors.....	29,520.52	
26 24 19 00-0418	EA	800 Amperes, Current Limiting Reactors.....	42,990.46	
26 24 19 00-0419	EA	1,000 Amperes, Current Limiting Reactors.....	56,491.50	

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26 24 19 00-0420 EA 1,200 Amperes, Current Limiting Reactors.....85,990.50

26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)

26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw.....	523.90	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp.....	523.90	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw.....	724.28	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp.....	1,325.43	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw.....	724.28	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp.....	924.66	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw.....	924.66	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp.....	1,323.02	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw.....	924.66	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp.....	1,323.02	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw.....	1,125.05	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp.....	3,647.96	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw.....	1,125.05	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp.....	1,323.02	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw.....	3,647.96	
26 24 19 00-0437	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp.....	3,647.96	
26 24 19 00-0438	EA	Bus Duct Transition Pull Box.....	1,190.71	
26 24 19 00-0439	EA	Throat And Transition To Substation.....	2,298.64	
26 24 19 00-0440	EA	Service Entrance Label.....	497.80	
26 24 19 00-0441	EA	Type W To 5 Star - 10" Transition.....	1,040.54	
26 24 19 00-0442	EA	600 Amperes, Sub Feed Lugs On Main Bus.....	595.05	

26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)

26 24 19 00-0444	EA	Standard Structure Add For Each Additional 4" Of Structure Width.....	328.72	
26 24 19 00-0445	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4".....	328.72	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 16" Depth.....	1,016.89	
26 24 19 00-0447	EA	Standard Structure Single Corner Section "L", 21" Depth.....	1,146.96	
26 24 19 00-0448	EA	Standard Structure Unused Space/Future Space.....	98.14	
26 24 19 00-0449	EA	Standard Structure NEMA 12 Dustproof.....	264.86	
26 24 19 00-0450	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure.....	55.57	
26 24 19 00-0451	EA	Standard Structure 150 Watt Space.....	238.85	
26 24 19 00-0452	EA	Standard Structure Thermostat For Space Heater Control.....	724.52	
26 24 19 00-0453	EA	Standard Structure Rear Hinged Structure Door, 72" High.....	238.85	
26 24 19 00-0454	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC.....	468.07	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Front Mounted.....	6,677.52	
26 24 19 00-0456	EA	Standard Structure NEMA 3R N-Walk In Back-to-back.....	7,718.23	
26 24 19 00-0457	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted.....	7,725.70	

26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)

26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes.....	710.74	355.38
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes.....	1,066.10	533.08
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes.....	1,184.60	592.31
26 24 19 00-0462	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes.....	1,421.65	710.77
26 24 19 00-0463	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes.....	118.46	59.23
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes.....	710.74	355.38
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes.....	1,066.10	533.08
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes.....	1,184.60	592.31
26 24 19 00-0467	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes.....	1,421.65	710.77
26 24 19 00-0468	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes.....	118.46	59.23
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes.....	829.24	414.61
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes.....	1,066.10	533.08
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes.....	1,421.65	710.77
26 24 19 00-0472	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes.....	1,658.24	829.11
26 24 19 00-0473	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes.....	177.69	88.84
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes.....	947.68	473.84
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes.....	1,303.17	651.54
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes.....	1,658.24	829.11
26 24 19 00-0477	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes.....	1,895.04	947.57
26 24 19 00-0478	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes.....	236.92	118.46
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes.....	947.68	473.84
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes.....	1,421.65	710.77
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes.....	1,776.72	888.34
26 24 19 00-0482	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes.....	2,013.96	1,007.03
26 24 19 00-0483	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes.....	236.92	118.46

26 24 19 00-0484 Motor Control Centers (26 24 19)

26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)

26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp.....	18,002.81	236.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.15	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp.....	18,002.81	236.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.15	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp.....	18,002.81	236.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.15	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp.....	18,062.08	266.53
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.93	
26 24 19 00-0490	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp.....	19,182.67	296.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	177.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0491	EA		2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,241.88 195.46	325.76
26 24 19 00-0492	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,301.10 213.22	355.38
26 24 19 00-0493	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,419.60 248.77	414.61
26 24 19 00-0494	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,538.04 284.30	473.84
26 24 19 00-0495	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,886.28 319.83	533.08
26 24 19 00-0496	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,299.09 355.38	592.31
26 24 19 00-0497	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,704.05 142.15	236.92
26 24 19 00-0498	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,820.28 152.82	254.69
26 24 19 00-0499	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,605.02 167.03	278.38
26 24 19 00-0500	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,178.53 177.69	296.15
26 24 19 00-0501	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,275.23 206.13	343.54
26 24 19 00-0502	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,935.59 220.34	367.23
26 24 19 00-0503	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,593.79 234.54	390.92
26 24 19 00-0504	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49,934.07 255.88	426.46
26 24 19 00-0505	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58,106.07 284.30	473.84
26 24 19 00-0506	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62,953.41 302.09	503.46
26 24 19 00-0507	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96,130.53 355.38	592.31
26 24 19 00-0508	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102,424.44 390.95	651.54
26 24 19 00-0509	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107,903.46 426.50	710.77
26 24 19 00-0510	EA		2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117,495.21 462.08	770.11
26 24 19 00-0511	EA		2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,196.66 142.15	236.92
26 24 19 00-0512	EA		2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,255.93 159.93	266.53
26 24 19 00-0513	EA		2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,315.13 177.69	296.15
26 24 19 00-0514	EA		2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,374.34 195.46	325.76
26 24 19 00-0515	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,437.85 213.22	355.38
26 24 19 00-0516	EA		2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,497.13 231.01	384.99
26 24 19 00-0517	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,556.35 248.77	414.61
26 24 19 00-0518	EA		2.4 KV CL 14-202, Synchronous Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,793.21 319.83	533.08
26 24 19 00-0519	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43,929.57 355.38	592.31
26 24 19 00-0520	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44,048.14 390.95	651.54
26 24 19 00-0521	EA		2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,448.06 426.50	710.77
26 24 19 00-0522	EA		Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,907.34 71.08	
26 24 19 00-0523	EA		Add For Reversing Starters, 1,000 To 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,207.53 71.08	
26 24 19 00-0524	EA		Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,621.68 71.08	
26 24 19 00-0525			4.8 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0526	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,601.29 213.22	355.38
26 24 19 00-0527	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,660.57 231.01	384.99
26 24 19 00-0528	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,719.79 248.77	414.61
26 24 19 00-0529	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,779.05 266.55	444.22
26 24 19 00-0530	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,888.90 284.30	473.84
26 24 19 00-0531	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,948.20 302.09	503.46
26 24 19 00-0532	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,007.32 319.83	533.08
26 24 19 00-0533	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,066.65 337.63	562.69
26 24 19 00-0534	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,125.82 355.38	592.31

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	35,772.67	770.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	462.08	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	35,890.66	829.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	497.47	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	38,292.73	888.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	533.02	
26 24 19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	38,411.05	947.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	568.51	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	27,245.42	355.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	213.22	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	27,604.90	384.99
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	231.01	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	32,188.41	414.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	248.77	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	35,774.91	444.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	266.55	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	38,835.99	473.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.30	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	42,508.30	503.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	302.09	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	45,955.28	533.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	319.83	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	50,506.75	562.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	337.63	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	58,499.52	592.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	355.38	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	63,932.19	621.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	373.16	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	69,424.08	681.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	408.71	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	73,962.65	710.77
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	426.50	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	78,243.73	740.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	444.23	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	84,231.98	770.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	462.08	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	133,496.36	947.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	568.51	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	148,453.26	1,007.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	604.19	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	178,429.72	1,066.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	639.66	
26 24 19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	188,732.68	1,066.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	639.66	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	26,909.35	414.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	248.77	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	26,968.61	444.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	266.55	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	27,027.79	473.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.30	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	27,087.09	503.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	302.09	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	29,406.22	533.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	319.83	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	29,465.55	562.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	337.63	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	29,524.72	592.31
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	355.38	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	29,583.98	621.92
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	373.16	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	29,643.29	651.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	390.95	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	29,998.36	829.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	497.47	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	48,434.88	888.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	533.02	
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	50,826.07	947.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	568.51	
26 24 19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	50,826.07	947.57
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	568.51	
26 24 19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP	11,125.27	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	
26 24 19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP	11,463.27	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	
26 24 19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP	17,559.29	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.08	

26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)

26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	14,476.60	236.92
26 24 19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	17,395.75	355.38
26 24 19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant	5,700.09	
26 24 19 00-0577	EA	2.4/4.8 KV Space Heaters	272.98	17.77
26 24 19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused	1,651.36	
26 24 19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	886.04	
26 24 19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,638.80	
26 24 19 00-0581	EA	2.4/4.8 KV Pushbuttons Each	169.00	
26 24 19 00-0582	EA	2.4/4.8 KV Selector Switch Each	560.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0583	EA		2.4/4.8 KV Indicating Light.....	169.00	
26 24 19 00-0584	EA		2.4/4.8 KV Push To Test Light.....	511.82	
26 24 19 00-0585	EA		2.4/4.8 KV AC Voltmeter, Switchboard Type	1,361.65	
26 24 19 00-0586	EA		2.4/4.8 KV AC Ammeter, Switchboard Type	1,361.65	
26 24 19 00-0587	EA		2.4/4.8 KV Power Factor Meter.....	4,072.87	
26 24 19 00-0588	EA		2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,807.79	
26 24 19 00-0589	EA		2.4/4.8 KV Operation Counter	547.35	17.77
26 24 19 00-0590	EA		2.4/4.8 KV Phase Failure Protection.....	3,937.83	59.23
26 24 19 00-0591	EA		2.4/4.8 KV Ground Protection.....	7,524.15	29.61
26 24 19 00-0592	EA		2.4/4.8 KV Synchronous Motor DC Protection.....	2,983.94	29.61
26 24 19 00-0593	EA		2.4/4.8 KV Lightning Arresters	5,495.56	17.77
26 24 19 00-0594	EA		2.4/4.8 KV Portable Lifting Mechanism.....	7,958.93	
26 24 19 00-0595	EA		2.4/4.8 KV Auxiliary Timing Relay.....	711.47	59.23
26 24 19 00-0596	EA		2.4/4.8 KV Auxiliary Control Relay.....	510.61	59.23

26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)

Note: 3 Pole. Includes structure.

26 24 19 00-0598	EA		Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included.....	1,365.04	355.25
26 24 19 00-0599	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included.....	2,367.93	628.83
26 24 19 00-0600	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	2,825.52	805.16
26 24 19 00-0601	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	4,539.01	1,296.57
26 24 19 00-0602	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	5,344.36	1,426.22
26 24 19 00-0603	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included.....	6,920.70	1,581.81
26 24 19 00-0604	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included.....	8,053.33	1,854.09
26 24 19 00-0605	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included.....	14,019.10	2,160.07

26 24 19 00-0606 Main Lugs Only (26 24 19 00-0484)

26 24 19 00-0607	EA		600 Amperes Incoming Section, Main Lugs	1,073.49	453.80
26 24 19 00-0608	EA		800 Amperes Incoming Section, Main Lugs	1,165.28	453.80
26 24 19 00-0609	EA		1,200 Amperes Incoming Section, Main Lugs.....	1,630.78	713.11
26 24 19 00-0610	EA		2,000 Amperes Incoming Section, Main Lugs.....	4,040.16	1,296.57
26 24 19 00-0611	EA		3,000 Amperes Incoming Section, Main Lugs.....	6,149.91	1,880.01
26 24 19 00-0612	EA		4,000 Amperes Incoming Section, Main Lugs.....	8,790.27	2,593.13

26 24 19 00-0613 Incoming Main Circuit Breaker Structure (26 24 19 00-0484)

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0614	EA		225 Amperes, Main Circuit Breaker Section	7,384.01	627.41
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For NEMA 1 With Gaskets, Add	97.00	
			For NEMA 12, Add	245.00	
			For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0615	EA		400 Amperes, Main Circuit Breaker Section	15,706.72	805.95
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For NEMA 1 With Gaskets, Add	97.00	
			For NEMA 12, Add	245.00	
			For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0616	EA		600 Amperes, Main Circuit Breaker Section	16,282.68	1,255.33
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For NEMA 1 With Gaskets, Add	97.00	
			For NEMA 12, Add	245.00	
			For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0617	EA		800 Amperes, Main Circuit Breaker Section	23,167.63	1,255.33
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For NEMA 1 With Gaskets, Add	97.00	
			For NEMA 12, Add	245.00	
			For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0618	EA		1,200 Amperes, Main Circuit Breaker Section	33,556.76	1,420.39
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For NEMA 1 With Gaskets, Add	97.00	
			For NEMA 12, Add	245.00	
			For 20" Cabinet Depth, Add	108.00	

26 24 19 00-0619 Incoming Fusible Main Disconnect Section (26 24 19 00-0484)

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 24 19 00-0620	EA 200 Amperes, Fusible Main Disconnect Section..... For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gaskets, Add For NEMA 12, Add For 20" Cabinet Depth, Add	6,406.51 182.00 334.00 97.00 245.00 108.00		628.19
26 24 19 00-0621	EA 400 Amperes, Fusible Main Disconnect Section..... For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gaskets, Add For NEMA 12, Add For 20" Cabinet Depth, Add	8,849.37 182.00 334.00 97.00 245.00 108.00		806.34
26 24 19 00-0622	EA 600 Amperes, Fusible Main Disconnect Section..... For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gaskets, Add For NEMA 12, Add For 20" Cabinet Depth, Add	17,307.82 182.00 334.00 97.00 245.00 108.00		1,256.38
26 24 19 00-0623	EA 800 Amperes, Fusible Main Disconnect Section..... For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gaskets, Add For NEMA 12, Add For 20" Cabinet Depth, Add	20,132.15 182.00 334.00 97.00 245.00 108.00		1,256.38
26 24 19 00-0624	EA 1,200 Amperes, Fusible Main Disconnect Section..... For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gaskets, Add For NEMA 12, Add For 20" Cabinet Depth, Add	28,374.94 182.00 334.00 97.00 245.00 108.00		1,421.69
26 24 19 00-0625	Circuit Breaker Combination Starters (26 24 19 00-0484)			
26 24 19 00-0626	Class I, Type A (26 24 19 00-0625)			
26 24 19 00-0627	EA Size 1, Class I, Type A Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,140.29 150.06		263.20
26 24 19 00-0628	EA Size 2, Class I, Type A Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,326.75 166.22		263.20
26 24 19 00-0629	EA Size 3, Class I, Type A Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,926.60 223.55		373.41
26 24 19 00-0630	EA Size 4, Class I, Type A Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,139.57 294.68		491.40
26 24 19 00-0631	EA Size 5, Class I, Type A Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,629.88 368.34		614.57
26 24 19 00-0632	Class I, Type B (26 24 19 00-0625)			
26 24 19 00-0633	EA Size 1, Class I, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,079.62 129.66		229.49
26 24 19 00-0634	EA Size 2, Class I, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,259.37 146.01		229.49
26 24 19 00-0635	EA Size 3, Class I, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,846.35 199.47		331.92
26 24 19 00-0636	EA Size 4, Class I, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,057.71 270.12		449.91
26 24 19 00-0637	EA Size 5, Class I, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,563.87 348.54		574.38
26 24 19 00-0638	Class I, Type C (26 24 19 00-0625)			
26 24 19 00-0639	EA Size 1, Class I, Type C Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,138.07 117.44		212.64
26 24 19 00-0640	EA Size 2, Class I, Type C Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,329.31 137.93		212.64
26 24 19 00-0641	EA Size 3, Class I, Type C Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,975.33 190.67		317.66
26 24 19 00-0642	EA Size 4, Class I, Type C Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,194.07 263.53		439.54
26 24 19 00-0643	EA Size 5, Class I, Type C Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,690.60 337.65		564.01
26 24 19 00-0644	Class II, Type B (26 24 19 00-0625)			
26 24 19 00-0645	EA Size 1, Class II, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,142.82 178.10		315.06
26 24 19 00-0646	EA Size 2, Class II, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,577.31 198.86		315.06
26 24 19 00-0647	EA Size 3, Class II, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,234.04 251.27		420.09
26 24 19 00-0648	EA Size 4, Class II, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,644.21 324.14		538.07
26 24 19 00-0649	EA Size 5, Class II, Type B Circuit Breaker Combination Starter For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6,565.62 395.29		657.36
26 24 19 00-0650	Class II, Type C (26 24 19 00-0625)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0651	EA		Size 1, Class II, Type C Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,424.04 170.60	298.21
26 24 19 00-0652	EA		Size 2, Class II, Type C Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,634.64 186.29	298.21
26 24 19 00-0653	EA		Size 3, Class II, Type C Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,369.54 243.72	407.12
26 24 19 00-0654	EA		Size 4, Class II, Type C Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,771.05 314.70	525.11
26 24 19 00-0655	EA		Size 5, Class II, Type C Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,710.43 390.53	648.28
26 24 19 00-0656 Fused Disconnect Combination Starter (26 24 19 00-0484)					
26 24 19 00-0657 Class I, Type A (26 24 19 00-0656)					
26 24 19 00-0658	EA		Size 1, Class I, Type A Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,041.43 146.01	242.46
26 24 19 00-0659	EA		Size 2, Class I, Type A Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,567.86 198.86	331.92
26 24 19 00-0660	EA		Size 3, Class I, Type A Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,485.32 259.31	431.75
26 24 19 00-0661	EA		Size 4, Class I, Type A Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,400.95 364.20	605.49
26 24 19 00-0662	EA		Size 5, Class I, Type A Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,937.74 463.06	771.45
26 24 19 00-0663 Class I, Type B (26 24 19 00-0656)					
26 24 19 00-0664	EA		Size 1, Class I, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,058.36 129.66	216.53
26 24 19 00-0665	EA		Size 2, Class I, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,425.78 178.10	296.91
26 24 19 00-0666	EA		Size 3, Class I, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,106.63 238.34	396.75
26 24 19 00-0667	EA		Size 4, Class I, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,517.74 344.83	573.08
26 24 19 00-0668	EA		Size 5, Class I, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,036.67 438.03	728.67
26 24 19 00-0669 Class I, Type C (26 24 19 00-0656)					
26 24 19 00-0670	EA		Size 1, Class I, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,118.26 121.40	202.27
26 24 19 00-0671	EA		Size 2, Class I, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,503.53 166.22	274.87
26 24 19 00-0672	EA		Size 3, Class I, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,286.61 231.53	382.49
26 24 19 00-0673	EA		Size 4, Class I, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,696.49 337.65	564.01
26 24 19 00-0674	EA		Size 5, Class I, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,712.74 432.19	720.89
26 24 19 00-0675 Class II, Type B (26 24 19 00-0656)					
26 24 19 00-0676	EA		Size 1, Class II, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,337.13 182.10	303.40
26 24 19 00-0677	EA		Size 2, Class II, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,726.37 226.67	378.59
26 24 19 00-0678	EA		Size 3, Class II, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,498.93 292.02	487.51
26 24 19 00-0679	EA		Size 4, Class II, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,059.32 395.29	657.36
26 24 19 00-0680	EA		Size 5, Class II, Type B Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,939.07 491.12	820.73
26 24 19 00-0681 Class II, Type C (26 24 19 00-0656)					
26 24 19 00-0682	EA		Size 1, Class II, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,386.23 170.60	285.24
26 24 19 00-0683	EA		Size 2, Class II, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,803.68 214.67	357.85
26 24 19 00-0684	EA		Size 3, Class II, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,649.00 279.43	465.47
26 24 19 00-0685	EA		Size 4, Class II, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,219.99 385.88	641.80
26 24 19 00-0686	EA		Size 5, Class II, Type C Fused Disconnect Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,093.63 476.68	794.79
26 24 19 00-0687 Space Complete With Bus And Hardware (26 24 19 00-0484)					
26 24 19 00-0688 Circuit Breaker Type (26 24 19 00-0687)					
26 24 19 00-0689	EA		Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	322.18	88.16
26 24 19 00-0690	EA		Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	322.18	88.16
26 24 19 00-0691	EA		Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	478.75	128.36
26 24 19 00-0692	EA		Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	568.51	168.56
26 24 19 00-0693	EA		Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	953.93	256.72

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 19 00-0694		Fused Disconnect Type (26 24 19 00-0687)			
26 24 19 00-0695	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	322.18		88.16
26 24 19 00-0696	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	427.34		128.36
26 24 19 00-0697	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	593.67		168.56
26 24 19 00-0698	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	1,024.14		256.72
26 24 19 00-0699	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,427.89		373.41
26 24 19 00-0700		Blank Space For Future Expansion (26 24 19 00-0687)			
Note: Factory modified no labor costs.					
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	146.50		
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	146.50		
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs.....	222.11		
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs.....	222.11		
26 24 19 00-0705	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs.....	441.86		
26 24 19 00-0706		Structure Combination Of Starters To 72" High (26 24 19 00-0687)			
26 24 19 00-0707	EA	Structure Combination Of Starters To 72" High.....	3,746.35		682.38
26 24 19 00-0708		Motor Control Center Basic Distribution Section (26 24 19 00-0484)			
26 24 19 00-0709	EA	20" Wide Basic Section With Vertical Wireway.....	6,286.27		1,777.07
		For 20" Cabinet Depth, Add.....	108.00		
		For 800 Amperes, Tin Plated Copper Bus, Add.....	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add.....	334.00		
		For 1,600 Amperes, Tin Plated Copper Bus, Add.....	402.00		
		For 2,000 Amperes, Tin Plated Copper Bus, Add.....	506.00		
		For NEMA 1 With Gasket, Add.....	97.00		
		For NEMA 12, Add.....	245.00		
		For 600 Amperes, Tin Plated Copper Vertical, Add.....	210.00		
26 24 19 00-0710	EA	25" To 35" Wide Basic Section (No Vertical Wireway).....	6,286.27		1,777.07
		For 20" Cabinet Depth, Add.....	108.00		
		For 800 Amperes, Tin Plated Copper Bus, Add.....	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add.....	334.00		
		For 1,600 Amperes, Tin Plated Copper Bus, Add.....	402.00		
		For 2,000 Amperes, Tin Plated Copper Bus, Add.....	506.00		
		For NEMA 1 With Gasket, Add.....	97.00		
		For NEMA 12, Add.....	245.00		
		For 600 Amperes, Tin Plated Copper Vertical, Add.....	210.00		
26 24 19 00-0711	EA	25" Wide Basic Section With 9" Wide Vertical Wireway.....	6,930.05		1,777.07
		For 20" Cabinet Depth, Add.....	108.00		
		For 800 Amperes, Tin Plated Copper Bus, Add.....	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add.....	334.00		
		For 1,600 Amperes, Tin Plated Copper Bus, Add.....	402.00		
		For 2,000 Amperes, Tin Plated Copper Bus, Add.....	506.00		
		For NEMA 1 With Gasket, Add.....	97.00		
		For NEMA 12, Add.....	245.00		
		For 600 Amperes, Tin Plated Copper Vertical, Add.....	210.00		
26 24 19 00-0712	EA	Corner Section.....	6,930.05		1,777.07
		For 20" Cabinet Depth, Add.....	108.00		
		For 800 Amperes, Tin Plated Copper Bus, Add.....	182.00		
		For 1,200 Amperes, Tin Plated Copper Bus, Add.....	334.00		
		For 1,600 Amperes, Tin Plated Copper Bus, Add.....	402.00		
		For 2,000 Amperes, Tin Plated Copper Bus, Add.....	506.00		
		For NEMA 1 With Gasket, Add.....	97.00		
		For NEMA 12, Add.....	245.00		
		For 600 Amperes, Tin Plated Copper Vertical, Add.....	210.00		
26 24 19 00-0713		Motor Control Center Starters With HMCP Circuit Breaker (26 24 19 00-0484)			
Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.					
26 24 19 00-0714		FVNR Starters With HMCP Circuit Breaker (26 24 19 00-0713)			
26 24 19 00-0715	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker.....	1,619.33		249.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	149.74		
26 24 19 00-0716	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,802.33		276.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	166.08		
26 24 19 00-0717	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker.....	3,118.68		372.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	223.29		
26 24 19 00-0718	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker.....	4,520.78		490.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	294.41		
26 24 19 00-0719	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker.....	10,277.60		613.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	367.92		
26 24 19 00-0720	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker.....	23,992.33		613.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	367.92		
26 24 19 00-0721	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker.....	1,632.87		215.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	129.52		
26 24 19 00-0722	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,841.56		243.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	145.85		
26 24 19 00-0723	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker.....	3,185.87		331.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	199.14		
26 24 19 00-0724	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker.....	4,521.35		449.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add.....	269.97		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0725	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,295.04 348.54	580.86
26 24 19 00-0726	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,157.34 348.54	580.86
26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker (26 24 19 00-0713)				
26 24 19 00-0728	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,588.70 187.37	312.35
26 24 19 00-0729	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,173.81 207.34	345.53
26 24 19 00-0730	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,224.64 278.63	464.43
26 24 19 00-0731	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,977.77 368.34	613.93
26 24 19 00-0732	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,194.35 460.86	768.09
26 24 19 00-0733	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,626.55 161.80	269.69
26 24 19 00-0734	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,238.51 182.45	304.05
26 24 19 00-0735	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,315.70 249.34	415.55
26 24 19 00-0736	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,998.52 337.65	562.71
26 24 19 00-0737	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,234.75 436.06	726.72
26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker (26 24 19 00-0713)				
26 24 19 00-0739	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,834.84 187.37	312.35
26 24 19 00-0740	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,028.72 207.34	345.53
26 24 19 00-0741	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,592.45 278.63	464.43
26 24 19 00-0742	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,338.07 368.34	613.93
26 24 19 00-0743	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,698.61 460.86	768.09
26 24 19 00-0744	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,872.69 161.80	269.69
26 24 19 00-0745	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,093.42 182.45	304.05
26 24 19 00-0746	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,683.52 249.34	415.55
26 24 19 00-0747	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,358.82 337.65	562.71
26 24 19 00-0748	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,739.01 436.06	726.72
26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect (26 24 19 00-0484)				
Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.				
26 24 19 00-0750 FVNR Starters With Fusible Disconnect (26 24 19 00-0749)				
26 24 19 00-0751	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	1,308.79	243.36
26 24 19 00-0752	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,706.77	330.75
26 24 19 00-0753	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	2,839.36	430.98
26 24 19 00-0754	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	4,781.32	607.05
26 24 19 00-0755	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	9,582.29	771.71
26 24 19 00-0756	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	24,225.66	771.71
26 24 19 00-0757	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	1,333.56	215.75
26 24 19 00-0758	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,744.49	296.26
26 24 19 00-0759	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	2,919.42	397.27
26 24 19 00-0760	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	4,798.80	574.77
26 24 19 00-0761	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	9,580.90	730.10
26 24 19 00-0762	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	24,371.95	730.10
26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect (26 24 19 00-0749)				
26 24 19 00-0764	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,248.55	304.69
26 24 19 00-0765	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,132.35	413.47
26 24 19 00-0766	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,844.39	538.46
26 24 19 00-0767	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	10,134.86	760.95
26 24 19 00-0768	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	16,470.32	890.48
26 24 19 00-0769	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,300.56	269.69
26 24 19 00-0770	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,193.19	370.04
26 24 19 00-0771	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	4,950.49	497.11
26 24 19 00-0772	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	10,170.39	717.13
26 24 19 00-0773	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	16,491.87	839.79
26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect (26 24 19 00-0749)				
26 24 19 00-0775	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,619.39	304.69
26 24 19 00-0776	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,000.39	413.47

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 19 00-0777	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	7,236.82	538.46
26 24 19 00-0778	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	10,633.69	760.95
26 24 19 00-0779	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	20,058.96	890.48
26 24 19 00-0780	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,672.50	269.69
26 24 19 00-0781	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	4,061.23	370.04
26 24 19 00-0782	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	7,342.92	497.11
26 24 19 00-0783	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	10,669.22	717.13
26 24 19 00-0784	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	20,080.52	839.79

26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit (26 24 19 00-0484)

Note: Per section. Labor is included in basic distribution section.

26 24 19 00-0786	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	281.89	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.74	
26 24 19 00-0787	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit.....	345.33	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.74	
26 24 19 00-0788	EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit.....	415.27	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.69	
26 24 19 00-0789	EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	539.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.69	
26 24 19 00-0790	EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit.....	905.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.64	
26 24 19 00-0791	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	161.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.79	

26 24 19 00-0792 Disconnect (Safety) Switch For Motor Control Centers (26 24 19 00-0484)
26 24 19 00-0793 3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0792)

Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).

26 24 19 00-0794	EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,065.35	187.36
26 24 19 00-0795	EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,871.29	207.45
26 24 19 00-0796	EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,281.41	279.41
26 24 19 00-0797	EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	3,791.07	368.22
26 24 19 00-0798	EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	6,560.00	460.28
26 24 19 00-0799	EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	7,487.06	460.28
26 24 19 00-0800	EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	15,446.01	576.32

26 24 19 00-0801 Fusible Disconnect (Safety) Switch For Motor Control Center (26 24 19 00-0792)

Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).

26 24 19 00-0802	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....	905.82	182.17
26 24 19 00-0803	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....	1,070.93	248.29
26 24 19 00-0804	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....	1,465.61	317.66
26 24 19 00-0805	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....	2,720.16	455.09
26 24 19 00-0806	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....	4,811.93	578.79
26 24 19 00-0807	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....	10,981.70	578.79
26 24 19 00-0808	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....	13,576.57	723.49
26 24 19 00-0809	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....	20,035.15	723.49

26 24 19 00-0810 Control Circuit Transformer (26 24 19 00-0484)

26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed.....	78.16	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed.....	78.16	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed.....	150.52	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed.....	150.52	
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed.....	209.11	
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	59.27	14.67

26 24 19 00-0817 Cover Mounted Control Devices (26 24 19 00-0484)

26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted.....	132.18	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.21	
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted.....	148.58	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.26	
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted.....	124.41	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.14	
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	339.23	88.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.14	
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter.....	403.63	33.58
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.15	

26 24 19 00-0823 Extra Interlocks (26 24 19 00-0484)

Note: Per contact.

26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact.....	86.21	16.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.14	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact.....	118.88	16.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.14	
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact.....	131.78	16.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.13	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact.....	118.50	16.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.11	
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact.....	124.94	16.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	

26 24 19 00-0829	Special Cabinet Provisions (26 24 19 00-0484)		
26 24 19 00-0830	EA Provisions For Bus Duct Entrance Special Cabinet Provisions	978.41	
26 24 19 00-0831	Nameplate Requirements (26 24 19 00-0484)		
26 24 19 00-0832	EA Special Cabinet Nameplate Requirements	34.74	
26 24 19 00-0833	Auxiliary Relays (26 24 19 00-0484)		
26 24 19 00-0834	EA Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts	193.57	32.47
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.48	
26 24 19 00-0835	EA Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	183.12	29.21
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.48	
26 24 19 00-0836	EA General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base	105.12	29.21
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.48	
26 24 19 00-0837	Motor Control Center Accessories (26 24 19 00-0484)		
26 24 19 00-0838	Lighting Transformer With Circuit Breaker (26 24 19 00-0837)		
	Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,697.79	415.55
26 24 19 00-0840	EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,924.02	432.16
26 24 19 00-0841	EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	6,480.99	465.41
26 24 19 00-0842	EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	8,140.23	498.65
26 24 19 00-0843	EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	10,933.90	531.89
26 24 19 00-0844	EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	13,426.85	598.38
26 24 19 00-0845	EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	17,632.49	664.87
26 24 19 00-0846	EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	10,311.81	548.52
26 24 19 00-0847	EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	11,203.45	598.38
26 24 19 00-0848	EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	12,812.02	664.87
26 24 19 00-0849	EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	13,594.29	731.36
26 24 19 00-0850	EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	16,394.81	797.85
26 24 19 00-0851	EA 3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	16,919.77	864.34
26 24 19 00-0852	Bolt-On Lighting Panel (26 24 19 00-0837)		
	Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA 18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,410.86	674.73
26 24 19 00-0854	EA 30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	3,760.01	1,174.43
26 24 19 00-0855	EA 42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	4,997.09	1,588.94
26 24 19 00-0856	EA 18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,521.49	730.10
26 24 19 00-0857	EA 30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,710.03	1,149.41
26 24 19 00-0858	EA 42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	5,195.70	1,688.26
26 24 19 00-0859	EA 18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,065.83	782.61
26 24 19 00-0860	EA 30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	5,415.45	1,256.38
26 24 19 00-0861	EA 42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	6,767.68	1,688.26
26 24 19 00-0862	EA 18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,188.93	844.06
26 24 19 00-0863	EA 30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	5,415.45	1,256.38
26 24 19 00-0864	EA 42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	6,876.60	1,742.71
26 24 19 00-0865	Factory Installed Bolt-On Branch Circuit Breaker (26 24 19 00-0837)		
	Note: For MCC lighting panel only.		
26 24 19 00-0866	EA 15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker	27.70	
26 24 19 00-0867	EA 15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	301.53	
26 24 19 00-0868	EA 15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	54.14	
26 24 19 00-0869	EA 60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	124.65	
26 24 19 00-0870	EA 15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	146.05	
26 24 19 00-0871	EA 60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	221.60	
26 24 19 00-0872	Blank Unit Door (BUD) (26 24 19 00-0837)		
	Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA 6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	80.41	
26 24 19 00-0874	EA 12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	96.49	
26 24 19 00-0875	EA 18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	144.73	
26 24 19 00-0876	EA 24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	192.98	
26 24 19 00-0877	EA 30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	289.47	
26 24 19 00-0878	EA 48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	337.71	
26 24 19 00-0879	EA 72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	385.96	

26 25 Enclosed Bus Assemblies (26 20)

26 25 13 Low-Voltage Busways (26 25)

26 25 13 00-0001 Plug-In Bus Duct (26 25 13)

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 13 00-0002 600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 13 00-0001)

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	291.82	38.90
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	410.08	38.90
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	518.30	51.87
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	711.61	51.87
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	750.97	64.82
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,041.27	64.82
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,216.16	68.07
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,477.02	70.01
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,819.22	73.90
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,100.84	86.22
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,429.53	94.00
26 25 13 00-0014 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0001)				
26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	470.02	38.90
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	675.44	38.90
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	763.70	51.87
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	968.79	51.87
26 25 13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,180.03	64.82
26 25 13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,525.12	64.82
26 25 13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,969.03	67.16
26 25 13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,368.31	70.01
26 25 13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,933.43	73.25
26 25 13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,386.50	86.22
26 25 13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,923.87	94.00
26 25 13 00-0026 Cable Tap Boxes (26 25 13 00-0001)				
26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 13 00-0026)				
26 25 13 00-0028	EA	225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,359.37	181.52
26 25 13 00-0029	EA	400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,443.92	181.52
26 25 13 00-0030	EA	600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,645.47	246.35
26 25 13 00-0031	EA	800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,819.06	246.35
26 25 13 00-0032	EA	1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,026.05	324.14
26 25 13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,316.39	324.14
26 25 13 00-0034 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 13 00-0026)				
26 25 13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,443.92	356.56
26 25 13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,660.34	356.56
26 25 13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,847.49	486.21
26 25 13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,200.43	486.21
26 25 13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,371.14	648.28
26 25 13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,833.28	648.28
26 25 13 00-0041 Bus Duct Plug-In Circuit Breaker (26 25 13 00-0001)				
26 25 13 00-0042 240 Volt, 3-Phase (26 25 13 00-0041)				
26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	1,072.00	129.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.93	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker.....	2,114.88	129.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.05	
26 25 13 00-0045 600 Volt, 3-Phase (26 25 13 00-0041)				
26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker.....	2,047.80	129.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.93	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker.....	2,652.09	129.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.05	
26 25 13 00-0048 120/208 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)				
26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	1,234.24	155.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.04	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker.....	1,476.07	155.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.30	
26 25 13 00-0051 277/480 Volt, 3-Phase, 4-Wire (26 25 13 00-0041)				
26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	1,408.54	155.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.04	
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	2,158.60	155.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.30	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	3,183.75	538.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	233.20	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	7,580.91	538.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	506.47	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	8,519.19	1,555.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	704.66	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker.....	10,788.77	1,555.88
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,246.70	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 25 13 00-0058		Bus Duct Plug-In Fusible Switch (26 25 13 00-0001)		
26 25 13 00-0059		240 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,069.60	129.66
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,176.89	129.66
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,623.27	155.59
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,741.99	311.17
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,908.20	700.15
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,363.58	1,218.77
26 25 13 00-0066		600 Volt, 3-Pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,109.40	142.62
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,214.08	142.62
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,634.65	142.62
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,805.88	298.21
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,873.57	674.21
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,609.15	1,296.57
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,330.28	1,685.53
26 25 13 00-0074		120/208 Volt, 4-pole, 3 Fuse (26 25 13 00-0058)		
26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,236.98	168.56
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,331.34	168.56
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,799.68	168.56
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,050.02	350.07
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,587.18	777.94
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,050.57	1,192.84
26 25 13 00-0081		277/480 Volt, 4-pole, 3-Fuse (26 25 13 00-0058)		
26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,277.07	168.56
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,371.42	143.02
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,918.15	194.48
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,176.89	350.07
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,587.18	777.94
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,050.57	1,192.84
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,441.97	1,581.81

26 25 16 Low-Voltage Cablebus Systems (26 25)

26 25 16 00-0001		Feeder Bus Duct (26 25 16)		
		Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 16 00-0002		600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance (26 25 16 00-0001)		
		Note: Copper conductors.		
26 25 16 00-0003	LF	800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	849.30	54.45
26 25 16 00-0004	LF	1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	861.45	54.45
26 25 16 00-0005	LF	1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,125.44	54.45
26 25 16 00-0006	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,350.41	54.45
26 25 16 00-0007	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,649.75	54.45
26 25 16 00-0008	LF	3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,251.70	129.66
26 25 16 00-0009	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,109.87	129.66
26 25 16 00-0010	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,679.43	129.66
26 25 16 00-0011	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,530.30	129.66
26 25 16 00-0012		277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated (26 25 16 00-0001)		
		Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	972.54	58.34
26 25 16 00-0014	LF	1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	988.66	58.34
26 25 16 00-0015	LF	1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,270.52	58.34
26 25 16 00-0016	LF	1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,506.01	58.34
26 25 16 00-0017	LF	2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,818.65	58.34
26 25 16 00-0018	LF	3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,792.51	99.84
26 25 16 00-0019	LF	4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,502.08	99.84
26 25 16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,144.12	185.41
26 25 16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	5,108.47	185.41

26 27 Low-Voltage Distribution Equipment (26 20)

26 27 13 Electricity Metering (26 27)

26 27 13 00-0001		Revenue Metering (26 27 13)		
26 27 13 00-0002		Meter Socket Base (26 27 13 00-0001)		
		Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.		
26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	293.10	84.27
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	310.62	84.27
26 27 13 00-0005	EA	150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	346.61	94.00
26 27 13 00-0006	EA	150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	357.86	94.00
26 27 13 00-0007	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	400.14	103.72
26 27 13 00-0008	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	405.12	103.72

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 27 13 00-0009	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	1,041.05	164.66
26 27 13 00-0010	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	1,328.74	184.11
26 27 13 00-0011	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release.....	2,881.42	203.56
26 27 13 00-0012	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,951.48	648.28
26 27 13 00-0013 Meter Device (26 27 13 00-0001)				
Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.				
26 27 13 00-0014	EA	100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	288.96	25.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.95	
26 27 13 00-0015	EA	150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	341.48	26.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.14	
26 27 13 00-0016	EA	200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	417.58	27.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.34	
26 27 13 00-0017	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	813.47	27.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.56	
26 27 13 00-0018	EA	320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	1,138.98	29.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.53	
26 27 13 00-0019	EA	400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	1,846.88	32.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.48	
26 27 13 00-0020 Current Transformer Enclosure (26 27 13 00-0001)				
26 27 13 00-0021	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure.....	606.80	168.56
26 27 13 00-0022 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)				
26 27 13 00-0023 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0022)				
26 27 13 00-0024	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,125.67	81.04
26 27 13 00-0025	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,481.17	97.24
26 27 13 00-0026	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,834.79	113.45
26 27 13 00-0027	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,126.06	129.66
26 27 13 00-0028	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,766.86	145.86
26 27 13 00-0029	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,988.21	162.07
26 27 13 00-0030	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,487.62	194.48
26 27 13 00-0031 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole (26 27 13 00-0022)				
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,070.38	81.04
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,726.30	97.24
26 27 13 00-0034	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,754.75	129.66
26 27 13 00-0035	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,165.02	145.86
26 27 13 00-0036	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	5,236.61	162.07
26 27 13 00-0037 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0022)				
26 27 13 00-0038	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,723.31	113.45
26 27 13 00-0039	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,262.10	129.66
26 27 13 00-0040	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,766.86	145.86
26 27 13 00-0041	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,252.73	162.07
26 27 13 00-0042	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,097.60	178.28
26 27 13 00-0043	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,300.06	194.48
26 27 13 00-0044	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,328.47	226.90
26 27 13 00-0045 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0022)				
26 27 13 00-0046	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,664.24	113.45
26 27 13 00-0047	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,490.21	129.66
26 27 13 00-0048	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,915.41	162.07
26 27 13 00-0049	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,269.03	178.28
26 27 13 00-0050	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,737.35	194.48
26 27 13 00-0051 120/208 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)				
26 27 13 00-0052 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0051)				
26 27 13 00-0053	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,226.10	97.24
26 27 13 00-0054	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,602.39	113.45
26 27 13 00-0055	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,976.80	129.66
26 27 13 00-0056	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,294.51	145.86
26 27 13 00-0057	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,818.16	162.07
26 27 13 00-0058	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,039.52	178.28
26 27 13 00-0059	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,746.76	210.70
26 27 13 00-0060 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0051)				
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,178.37	97.24
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,872.09	113.45
26 27 13 00-0063	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,146.13	145.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0064	EA		7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,556.42	162.07
26 27 13 00-0065	EA		8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,514.68	178.28
26 27 13 00-0066 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity,					
2 Pole (26 27 13 00-0051)					
26 27 13 00-0067	EA		3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,823.77	129.66
26 27 13 00-0068	EA		4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,370.10	145.86
26 27 13 00-0069	EA		5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,931.56	162.07
26 27 13 00-0070	EA		6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,417.44	178.28
26 27 13 00-0071	EA		7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,300.11	194.48
26 27 13 00-0072	EA		8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,502.53	210.70
26 27 13 00-0073	EA		10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,606.57	243.10
26 27 13 00-0074 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting					
Capacity, 2 Pole (26 27 13 00-0051)					
26 27 13 00-0075	EA		3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,791.15	129.66
26 27 13 00-0076	EA		4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,673.80	145.86
26 27 13 00-0077	EA		6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,269.06	178.28
26 27 13 00-0078	EA		7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,509.29	194.48
26 27 13 00-0079	EA		8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,996.55	210.70
26 27 13 00-0080 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)					
26 27 13 00-0081 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity,					
2 Pole (26 27 13 00-0080)					
26 27 13 00-0082	EA		3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,125.67	81.04
26 27 13 00-0083	EA		4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,481.17	97.24
26 27 13 00-0084	EA		6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,126.06	129.66
26 27 13 00-0085	EA		7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,766.86	145.86
26 27 13 00-0086	EA		8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,422.78	162.07
26 27 13 00-0087 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting					
Capacity, 2 Pole (26 27 13 00-0080)					
26 27 13 00-0088	EA		3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,070.38	81.04
26 27 13 00-0089	EA		4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,726.29	97.24
26 27 13 00-0090	EA		6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,943.67	129.66
26 27 13 00-0091	EA		7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,353.97	145.86
26 27 13 00-0092	EA		8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,236.61	162.07
26 27 13 00-0093 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity,					
2 Pole (26 27 13 00-0080)					
26 27 13 00-0094	EA		3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,723.31	113.45
26 27 13 00-0095	EA		4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,262.10	129.66
26 27 13 00-0096	EA		6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,252.73	162.07
26 27 13 00-0097	EA		7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,097.60	178.28
26 27 13 00-0098	EA		8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,300.06	194.48
26 27 13 00-0099 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting					
Capacity, 2 Pole (26 27 13 00-0080)					
26 27 13 00-0100	EA		3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,664.25	113.45
26 27 13 00-0101	EA		4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,490.21	129.66
26 27 13 00-0102	EA		6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,915.41	162.07
26 27 13 00-0103	EA		7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,269.03	178.28
26 27 13 00-0104	EA		8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,737.40	194.48
26 27 13 00-0105 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)					
26 27 13 00-0106 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity,					
2 Pole (26 27 13 00-0105)					
26 27 13 00-0107	EA		3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,226.10	97.24
26 27 13 00-0108	EA		4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,602.39	113.45
26 27 13 00-0109	EA		6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,294.51	145.86
26 27 13 00-0110	EA		7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,007.10	162.07
26 27 13 00-0111	EA		8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,417.41	178.28
26 27 13 00-0112 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting					
Capacity, 2 Pole (26 27 13 00-0105)					
26 27 13 00-0113	EA		3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,178.36	97.24
26 27 13 00-0114	EA		4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,872.08	113.45
26 27 13 00-0115	EA		6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,957.19	145.86
26 27 13 00-0116	EA		7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,367.48	162.07
26 27 13 00-0117	EA		8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,514.65	178.28

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 13 00-0118		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0105)		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,823.75	129.66
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,370.08	145.86
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,417.41	178.28
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,300.06	194.48
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,502.53	210.70
26 27 13 00-0124		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0105)		
26 27 13 00-0125	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,791.13	129.66
26 27 13 00-0126	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,673.78	145.86
26 27 13 00-0127	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,269.03	178.28
26 27 13 00-0128	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,509.29	194.48
26 27 13 00-0129	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,996.55	210.70
26 27 13 00-0130		Watt/Hour Meters (26 27 13)		
26 27 13 00-0131	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,293.91	77.79
26 27 13 00-0132	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,645.70	155.59
26 27 13 00-0133	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,936.67	116.69
26 27 13 00-0134	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,368.18	116.69
26 27 13 00-0135	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	2,000.06	116.69
26 27 13 00-0136	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,354.02	107.61
26 27 13 00-0137	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,314.93	194.48
26 27 13 00-0138		Watt/Hour Meter Systems (26 27 13)		
		Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0139		Watt/Hour Meter System Without Main Breaker (26 27 13 00-0138)		
26 27 13 00-0140	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	5,936.38	778.07
26 27 13 00-0141	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	6,954.73	778.07
26 27 13 00-0142		Watt/Hour Meter System With Main Breaker (26 27 13 00-0138)		
26 27 13 00-0143	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	10,407.47	778.07
26 27 13 00-0144	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	12,628.04	778.07
26 27 13 00-0145	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	13,569.77	778.07
26 27 16		Electrical Cabinets and Enclosures (26 27)		
		Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001		NEMA 1 Enclosures, Lockable (26 27 16)		
26 27 16 00-0002		Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		
26 27 16 00-0003		4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	82.13	25.93
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	92.12	28.53
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	102.19	31.11
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	119.31	36.31
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	129.96	38.90
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	141.39	41.49
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	140.99	41.49
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	152.70	44.08
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	165.00	46.68
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	213.96	62.24
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	259.54	75.21
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	246.56	72.61
26 27 16 00-0016		6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	102.97	31.11
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	125.03	36.31
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	149.25	44.08
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	161.25	46.68
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	173.50	49.27
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	186.31	51.87
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	236.57	67.42
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	286.80	82.98
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	276.58	80.39
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	360.20	103.72
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	462.43	119.29
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	528.48	129.66
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	588.39	137.43
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	641.82	142.62
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	439.28	103.72
26 27 16 00-0032		Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		

			Electrical	26	26
			Low-Voltage Electrical Distribution	26 20	
			Low-Voltage Distribution Equipment	26 27	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
26 27 16 00-0033		3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)			
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	56.45		18.15
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	80.67		25.93
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	89.97		28.53
26 27 16 00-0037		4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)			
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	63.14		20.74
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	78.27		25.93
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	87.42		28.53
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	96.71		31.11
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	112.85		36.31
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	122.57		38.90
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	132.79		41.49
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	132.42		41.49
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	143.08		44.08
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	154.04		46.68
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	201.55		62.24
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	249.78		77.79
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	231.79		72.61
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	300.21		93.35
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	432.62		116.69
26 27 16 00-0053		6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)			
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	97.24		31.11
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	107.24		33.71
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	123.61		38.90
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	140.34		44.08
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	151.15		46.68
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	162.07		49.27
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	173.44		51.87
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	222.12		67.42
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	272.91		82.98
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	259.44		80.39
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	337.30		103.72
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	420.80		119.29
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	481.96		129.66
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	520.25		137.43
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	568.72		142.62
26 27 16 00-0069		8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)			
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	140.34		44.08
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	191.32		57.05
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	243.22		72.61
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	301.91		90.76
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	288.61		88.16
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	357.52		108.92
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	398.83		124.47
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	462.06		132.25
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	531.45		142.62
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	565.41		150.40
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	593.91		155.59
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	609.45		155.59
26 27 16 00-0082		10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)			
26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	327.48		98.54
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	430.87		127.06
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	436.41		134.84
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	564.83		145.22
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	649.75		160.77
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	720.52		165.96
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	768.47		173.74
26 27 16 00-0090		12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)			
26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	475.67		140.03
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	474.13		147.81
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	621.07		160.77
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	709.28		176.33
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	795.28		184.11
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	838.71		191.90
26 27 16 00-0097		NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)			
26 27 16 00-0098		4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)			
26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	1,265.73		114.10

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 16 00-0100		NEMA 12 Enclosures, Lockable (26 27 16)		
		Note: Dust-tight enclosures.		
26 27 16 00-0101		Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0102		4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)		
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	117.31	20.74
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	152.71	28.53
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	188.89	36.31
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	204.52	38.90
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	229.65	41.49
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	247.41	44.08
26 27 16 00-0109		6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)		
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	169.56	31.11
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	186.83	33.71
26 27 16 00-0112		Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0113		4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	238.69	20.74
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	285.99	28.53
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	323.51	31.11
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	370.07	36.31
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	380.49	38.90
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	449.75	41.49
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	482.96	44.08
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	549.87	46.68
26 27 16 00-0122		6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	348.51	31.11
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	394.11	33.71
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	429.41	38.90
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	507.82	46.68
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	551.39	51.87
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	766.10	67.42
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,187.25	103.72
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,556.59	119.29
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,755.41	129.66
26 27 16 00-0132		8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,622.39	132.25
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,870.58	142.62
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,056.75	150.40
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,268.55	155.59
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,237.13	155.59
26 27 16 00-0138		Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)		
26 27 16 00-0139		8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,178.69	210.70
26 27 16 00-0141		10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,246.78	233.38
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,314.05	249.59
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,562.92	311.17
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,676.77	366.93
26 27 16 00-0146		12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0138)		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,721.50	366.93
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,609.03	388.97
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,780.10	414.90
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,795.42	414.90
26 27 16 00-0151		NEMA 3 Enclosures, Lockable (26 27 16)		
		Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	348.01	90.76
26 27 16 00-0154		3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	374.36	90.76

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	480.58	94.00
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	498.51	94.00
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	628.40	97.24
26 27 16 00-0159 4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)				
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	475.74	94.00
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	522.61	94.00
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	544.85	97.24
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	688.84	97.24
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	757.56	103.72
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	815.60	110.21
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	849.85	110.21
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,012.44	113.45
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,099.03	116.69
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,507.85	129.66
26 27 16 00-0170 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)				
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	727.76	100.49
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	918.53	113.45
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,077.97	116.69
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,243.88	119.93
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,324.66	119.93
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,507.42	129.66
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,744.10	145.86
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,643.24	139.38
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,196.10	259.32
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,551.25	324.14
26 27 16 00-0181 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)				
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,336.92	123.17
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,013.06	162.07
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,046.05	162.07
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,769.29	243.10
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,654.36	259.32
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	9,296.55	453.80
26 27 16 00-0188 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)				
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,875.13	324.14
26 27 16 00-0190 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0151)				
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	7,510.42	388.97
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,172.33	356.56
26 27 16 00-0193 NEMA 3R Enclosures, Lockable (26 27 16)				
Note: Rain-tight enclosures.				
26 27 16 00-0194 Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)				
26 27 16 00-0195 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)				
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	110.17	25.93
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	121.65	28.53
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	181.35	31.11
26 27 16 00-0199 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)				
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	228.32	38.90
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	255.07	44.08
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	299.56	49.27
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	324.02	51.87
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	421.87	67.42
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	504.20	82.98
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	574.87	103.72
26 27 16 00-0207 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)				
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	876.06	132.25
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	972.08	142.62
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,095.46	150.40
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,152.50	155.59
26 27 16 00-0212 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)				
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,086.66	160.77
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,227.55	181.52
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,358.98	200.97
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,497.27	221.71
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,630.01	241.16

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	704.80	127.06
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,086.66	160.77
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,289.53	165.96
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,635.78	181.52

26 27 16 00-0222 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)

26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,057.31	128.36
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,185.51	143.92
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,312.43	159.48
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,451.63	176.33
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,579.83	191.90
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	789.92	95.95
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,057.31	128.36
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,185.51	143.92
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,395.79	168.56
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,579.83	191.90
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,500.72	189.30
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,579.83	191.90
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,664.75	197.08
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,855.81	207.45
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	2,013.63	217.82

26 27 16 00-0238 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)
26 27 16 00-0239 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)

26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	79.85	20.74
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	96.31	25.93
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	106.37	28.53
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	118.06	31.11
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	137.06	36.31
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	149.54	38.90
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	163.16	41.49
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	162.39	41.49
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	177.80	44.08
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	191.42	46.68
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	288.72	72.61
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	385.92	93.35

26 27 16 00-0252 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)

26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	110.42	31.11
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	151.60	38.90
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	171.74	44.08
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	186.42	46.68
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	185.28	46.68
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	200.88	49.27
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	216.63	51.87
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	282.79	67.42
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	324.85	80.39
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	434.37	103.72
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	452.63	111.50
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	519.42	119.29
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	586.29	129.66

26 27 16 00-0266 8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)

26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	242.73	57.05
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	350.12	88.16
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	480.75	114.10
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	574.68	132.25
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	652.02	142.62
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	726.45	150.40

26 27 16 00-0273 10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)

26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	530.07	127.06
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	715.96	160.77
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	788.18	165.96

26 27 16 00-0277 12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)

26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	791.27	176.33
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	1,115.98	191.90
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	1,153.70	197.08
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	1,355.24	207.45

26 27 16 00-0282 NEMA 4 Enclosures, Lockable (26 27 16)

Note: Water-tight enclosures.

26 27 16 00-0283 Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)

26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	116.75	18.15
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure.....	136.48	22.05

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	170.75	28.53
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	162.64	28.53
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	217.47	38.90
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	270.71	46.68
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	250.20	44.08
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	291.75	51.87
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	343.12	59.64
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	416.28	75.21
26 27 16 00-0294 Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)				
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	107.33	18.15
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	153.24	28.53
26 27 16 00-0297 Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures (26 27 16 00-0282)				
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	135.05	24.89
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	143.53	26.97
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	176.45	35.26
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	206.09	38.90
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	266.30	49.27
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	311.36	58.34
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	439.87	93.35
26 27 16 00-0305 NEMA 4X Enclosures, Lockable (26 27 16)				
Note: Water-tight enclosures.				
26 27 16 00-0306 Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0305)				
26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	230.58	20.74
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	272.32	28.53
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	345.49	38.90
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	419.36	46.68
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	517.27	59.64
26 27 16 00-0312	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	611.40	75.21
26 27 16 00-0313 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0305)				
26 27 16 00-0314	EA	4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	361.72	18.15
For 316 Stainless Steel, Add			50.61	
26 27 16 00-0315	EA	6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	469.60	25.93
For 316 Stainless Steel, Add			64.76	
26 27 16 00-0316	EA	6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	532.46	28.53
For 316 Stainless Steel, Add			73.78	
26 27 16 00-0317	EA	8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	609.96	31.11
For 316 Stainless Steel, Add			85.15	
26 27 16 00-0318	EA	10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	748.89	38.90
For 316 Stainless Steel, Add			104.26	
26 27 16 00-0319	EA	12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,055.36	49.27
For 316 Stainless Steel, Add			149.15	
26 27 16 00-0320	EA	14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,316.33	59.64
For 316 Stainless Steel, Add			186.76	
26 27 16 00-0321	EA	16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,585.68	75.21
For 316 Stainless Steel, Add			223.63	
26 27 16 00-0322 Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)				
Note: NEMA 3R, 4, 4X and 12 rated.				
26 27 16 00-0323	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	156.45	28.53
26 27 16 00-0324	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	176.38	31.11
26 27 16 00-0325	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	201.68	36.31
26 27 16 00-0326	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	219.36	38.90
26 27 16 00-0327	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	253.61	44.08
26 27 16 00-0328	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	237.92	44.08
26 27 16 00-0329	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	277.71	49.27
26 27 16 00-0330	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	348.52	59.64
26 27 16 00-0331	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	443.95	81.68
26 27 16 00-0332	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	568.80	117.60
26 27 16 00-0333	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	168.79	28.53
26 27 16 00-0334	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	190.95	31.11
26 27 16 00-0335	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	217.36	36.31
26 27 16 00-0336	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	238.40	38.90
26 27 16 00-0337	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	273.77	44.08
26 27 16 00-0338	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	256.98	44.08
26 27 16 00-0339	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	303.55	49.27
26 27 16 00-0340	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	361.97	59.64
26 27 16 00-0341	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	471.97	81.68
26 27 16 00-0342	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	599.04	117.60
26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)				
Note: NEMA 3R, 4, 4X and 12 rated.				
26 27 16 00-0344	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	191.19	28.53
26 27 16 00-0345	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	204.39	31.11
26 27 16 00-0346	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	231.92	36.31
26 27 16 00-0347	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	250.73	38.90

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 16 00-0348	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	297.31	44.08
26 27 16 00-0349	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	272.66	44.08
26 27 16 00-0350	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	336.03	49.27
26 27 16 00-0351	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	398.95	59.64
26 27 16 00-0352	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	487.66	81.68
26 27 16 00-0353	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	625.93	117.60
26 27 16 00-0354	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	200.15	28.53
26 27 16 00-0355	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	221.19	31.11
26 27 16 00-0356	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	247.60	36.31
26 27 16 00-0357	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	267.53	38.90
26 27 16 00-0358	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	319.72	44.08
26 27 16 00-0359	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	291.70	44.08
26 27 16 00-0360	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	359.56	49.27
26 27 16 00-0361	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	410.15	59.64
26 27 16 00-0362	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	524.62	81.68
26 27 16 00-0363	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	665.15	117.60

26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable (26 27 16)
 Note: Nominal inside dimensions.

26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)

26 27 16 00-0366	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,576.11	145.86
		For Mounting Pan, Add.....	67.99	
26 27 16 00-0367	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	1,250.84	155.59
		For Mounting Pan, Add.....	126.69	
26 27 16 00-0368	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,464.52	175.03
		For Mounting Pan, Add.....	174.69	

26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)

26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,188.61	175.03
		For Mounting Pan, Add.....	88.83	
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,858.91	179.90
		For Mounting Pan, Add.....	174.69	
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	2,923.88	194.48
		For Mounting Pan, Add.....	133.63	
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,001.43	194.48
		For Mounting Pan, Add.....	156.35	
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,248.41	243.10
		For Mounting Pan, Add.....	205.12	
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,006.45	218.79
		For Mounting Pan, Add.....	128.07	
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,142.23	243.10
		For Mounting Pan, Add.....	191.64	
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,389.22	437.59
		For Mounting Pan, Add.....	257.82	
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	5,081.41	291.72
		For Mounting Pan, Add.....	251.03	
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,653.14	486.21
		For Mounting Pan, Add.....	230.46	
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	7,988.45	486.21
		For Mounting Pan, Add.....	374.65	

26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)

26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,413.69	218.79
		For Mounting Pan, Add.....	133.63	
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,437.80	218.79
		For Mounting Pan, Add.....	156.35	
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	3,896.82	218.79
		For Mounting Pan, Add.....	205.12	
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	4,318.13	243.10
		For Mounting Pan, Add.....	128.07	
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,264.88	437.59
		For Mounting Pan, Add.....	191.64	
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	7,623.21	534.84
		For Mounting Pan, Add.....	257.82	
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	12,003.04	632.08
		For Mounting Pan, Add.....	387.73	
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	6,856.58	534.84
		For Mounting Pan, Add.....	251.03	
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	7,045.48	534.84
		For Mounting Pan, Add.....	230.46	
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	10,528.32	583.46
		For Mounting Pan, Add.....	345.45	
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	8,688.13	534.84
		For Mounting Pan, Add.....	374.65	
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	11,624.68	583.46
		For Mounting Pan, Add.....	547.85	
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	11,544.48	583.46
		For Mounting Pan, Add.....	730.36	
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure.....	17,942.11	777.94
		For Mounting Pan, Add.....	912.81	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	13,649.60 848.76	632.08
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	24,755.35 1,161.94	972.42
26 27 16 00-0398 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)				
26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	12,488.97 387.73	632.08
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	11,496.19 345.45	583.46
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	12,525.13 547.85	632.08
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	15,839.23 912.81	680.70
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	14,003.88 848.76	680.70
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	26,981.46 1,161.94	972.42
26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)				
26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,796.52 257.82	534.84
26 27 16 00-0407 Breaker Enclosures (26 27 16)				
See CSI section 26 24 16 00-0001 for lighting and power panel boards.				
26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures (26 27 16 00-0407)				
26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	420.97	103.72
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	772.33	103.72
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,901.91	142.62
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	2,577.44	155.59
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,880.38	155.59
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	663.73	142.62
26 27 16 00-0415 15 To 250 Amperes, H Or J-Frame Breaker Enclosures (26 27 16 00-0407)				
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	671.61	142.62
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,234.25	142.62
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,209.82	181.52
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	1,020.53	181.52
26 27 16 00-0420 125 To 400 Amperes, L-Frame Breaker Enclosures (26 27 16 00-0407)				
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,052.87	285.24
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,440.31	285.24
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	7,135.19	363.04
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,746.12	363.04
26 27 16 00-0425 300 To 800 Amperes, M-Frame Breaker Enclosures (26 27 16 00-0407)				
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	2,061.89	544.56
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	3,528.31	544.56
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	12,838.90	700.15
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	6,956.29	700.15
26 27 16 00-0430 250 To 1,200 Amperes, P-Frame Breaker Enclosures (26 27 16 00-0407)				
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	2,512.66	544.56
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	4,241.18	544.56
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	8,741.30	700.15
26 27 16 00-0434 Legend Plates (26 27 16)				
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	22.46	6.48
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	29.92	6.48
26 27 19 Multi-Outlet Assemblies (26 27)				
26 27 19 00-0001 Surface Metal Raceway, Preamsembled With Outlets (26 27 19)				
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).				
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	29.55 0.95	9.47
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	22.75 0.68	6.74
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	21.62 0.71	7.13
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center..... <i>For Concrete Or Masonry Surface, Add</i>	23.54 0.68	6.74

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26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	19.48	6.87
		<i>For Concrete Or Masonry Surface, Add</i>	0.68	
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	26.13	6.74
		<i>For Concrete Or Masonry Surface, Add</i>	0.68	
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	23.30	6.74
		<i>For Concrete Or Masonry Surface, Add</i>	0.68	
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	25.01	6.74
		<i>For Concrete Or Masonry Surface, Add</i>	0.68	

26 27 23 Indoor Service Poles (26 27)**26 27 23 00-0001 Communication And Power Poles (26 27 23)**

Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.

26 27 23 00-0002 Steel Communication And Power Poles (26 27 23 00-0001)**26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)****26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)**

26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	336.26	57.46
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	365.01	57.46
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	398.27	57.46

26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)

Note: Excludes receptacles, communication jacks and wiring.

26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	68.86	11.85
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	59.78	11.85
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	67.60	11.85
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	50.26	11.85
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	41.51	11.85

26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)**26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)**

26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	434.87	57.46
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	496.68	57.46
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	530.03	57.46

26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014)

Note: Excludes receptacles and communication jacks.

26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	46.39	11.85
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	41.78	11.85
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	45.08	11.85

26 27 23 00-0023 3" Width, Steel Communication And Power Poles (26 27 23 00-0002)**26 27 23 00-0024 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)**

26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	565.84	57.46
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	640.24	57.46
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	689.27	57.46

26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)

Note: Excludes receptacles and communication jacks.

26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	46.39	11.85
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	41.78	11.85
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....	45.08	11.85

26 27 23 00-0032 Aluminum Communication And Power Poles (26 27 23 00-0001)**26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)****26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)**

26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	454.22	57.46
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	506.24	57.46
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	564.54	57.46

26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)

26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	70.63	11.85
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles	72.10	11.85
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	76.99	11.85
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....	53.00	11.85

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26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting.....	41.51	11.85
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	437.98	57.46
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	491.33	57.46
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	554.17	57.46
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	913.14	57.46
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	1,043.97	57.46
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	1,190.50	57.46
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	497.60	57.46
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	471.24	57.46
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	602.82	57.46
26 27 26		Wiring Devices (26 27)		
		Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001		Receptacles (26 27 26)		
26 27 26 00-0002		Television Receptacle (26 27 26 00-0001)		
26 27 26 00-0003	EA	TV Receptacle With Cover (Type F), Complete.....	79.13	30.08
26 27 26 00-0004		General Use Receptacles (26 27 26 00-0001)		
26 27 26 00-0005		Receptacle Assemblies (26 27 26 00-0004)		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0006	EA	15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	102.05	46.03
26 27 26 00-0007	EA	20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	109.49	49.27
26 27 26 00-0008	EA	15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	131.85	58.99
26 27 26 00-0009	EA	20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	146.73	65.48
26 27 26 00-0010	EA	15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	115.00	46.03
26 27 26 00-0011	EA	20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	123.13	49.27
26 27 26 00-0012		Receptacle Components (26 27 26 00-0004)		
26 27 26 00-0013	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle.....	29.46	12.97
26 27 26 00-0014	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle.....	28.71	12.97
26 27 26 00-0015	EA	15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle.....	33.16	12.97
26 27 26 00-0016	EA	15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle.....	35.74	12.97
26 27 26 00-0017	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle.....	45.51	16.20
26 27 26 00-0018	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle.....	53.97	16.20
26 27 26 00-0019	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle.....	30.46	12.97
26 27 26 00-0020	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle.....	29.66	12.97
26 27 26 00-0021	EA	20 Amperes, 120/277 Volt, Single Receptacle.....	41.28	12.97
26 27 26 00-0022	EA	20 Amperes, 120/277 Volt, Duplex Receptacle.....	34.93	12.97
26 27 26 00-0023	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle.....	45.51	16.20
26 27 26 00-0024	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle.....	53.97	16.20
26 27 26 00-0025	EA	20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle.....	81.11	16.20
26 27 26 00-0026	EA	20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle.....	81.11	16.20
26 27 26 00-0027	EA	25 Amperes, 120/277 Volt, Duplex Receptacle.....	70.17	19.45
26 27 26 00-0028		Specialty Receptacles (26 27 26 00-0001)		
26 27 26 00-0029		Specialty Receptacles (26 27 26 00-0028)		
26 27 26 00-0030	EA	30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle.....	64.58	22.69
26 27 26 00-0031	EA	30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle.....	64.58	22.69
26 27 26 00-0032	EA	30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles.....	88.47	22.69
26 27 26 00-0033	EA	30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle.....	94.07	22.69
26 27 26 00-0034	EA	30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle.....	100.56	25.93
26 27 26 00-0035	EA	50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle.....	93.52	25.93
26 27 26 00-0036	EA	50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle.....	91.54	25.93
26 27 26 00-0037	EA	50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle.....	81.32	25.93
26 27 26 00-0038	EA	50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle.....	107.04	25.93
26 27 26 00-0039	EA	50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle.....	111.38	25.93
26 27 26 00-0040	EA	50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle.....	117.85	29.17
26 27 26 00-0041	EA	60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle.....	129.73	32.42
26 27 26 00-0042	EA	60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle.....	142.70	38.90
26 27 26 00-0043	EA	100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete.....	1,331.81	304.69
26 27 26 00-0044	EA	400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete.....	3,138.58	372.76
26 27 26 00-0045	EA	30 Amperes, 230 Volt, Dryer Receptacle.....	76.70	25.93
26 27 26 00-0046	EA	60 Amperes, 230 Volt, Range Receptacle.....	112.57	38.90
26 27 26 00-0047	EA	15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle.....	69.39	16.20
26 27 26 00-0048	EA	Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete.....	1,421.94	394.83

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26 27 26 00-0049		Isolated Ground Receptacles (26 27 26 00-0028)			
26 27 26 00-0050	EA	15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	98.00	12.97	
		Note: 2 Pole, 3 wire.			
26 27 26 00-0051	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex.....	59.76	16.20	
26 27 26 00-0052	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	59.56	16.20	
26 27 26 00-0053	EA	30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex.....	83.89	25.93	
26 27 26 00-0054	EA	Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	66.27	16.20	
26 27 26 00-0055	EA	Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	61.20	16.20	
26 27 26 00-0056	EA	Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	83.53	19.45	
26 27 26 00-0057	EA	Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	67.75	19.45	
26 27 26 00-0058	EA	Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	85.40	19.45	
26 27 26 00-0059	EA	Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	102.61	19.45	
26 27 26 00-0060	EA	Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	103.44	25.93	
26 27 26 00-0061		Explosion Proof Receptacle Assembly (26 27 26 00-0028)			
26 27 26 00-0062	EA	1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	987.82	32.42	
26 27 26 00-0063	EA	3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	909.87	35.65	
26 27 26 00-0064	EA	3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,512.46	64.82	
26 27 26 00-0065	EA	3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,906.02	64.82	
26 27 26 00-0066	EA	1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,411.07	97.24	
26 27 26 00-0067	EA	1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,297.14	97.24	
26 27 26 00-0068		Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0028)			
26 27 26 00-0069	EA	15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	38.42	16.20	
26 27 26 00-0070	EA	20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	56.27	19.45	
26 27 26 00-0071		Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0028)			
26 27 26 00-0072	EA	15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	66.67	16.20	
26 27 26 00-0073	EA	20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	72.94	16.20	
26 27 26 00-0074		Locking Receptacle (26 27 26 00-0028)			
26 27 26 00-0075	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	59.48	16.20	
26 27 26 00-0076	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle.....	73.52	16.20	
26 27 26 00-0077	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	65.80	19.45	
26 27 26 00-0078	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle	65.18	19.45	
26 27 26 00-0079	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	77.53	19.45	
26 27 26 00-0080	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	93.50	19.45	
26 27 26 00-0081	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	91.73	19.45	
26 27 26 00-0082	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	80.06	19.45	
26 27 26 00-0083	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	90.92	25.93	
26 27 26 00-0084	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle.....	92.41	25.93	
26 27 26 00-0085	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle.....	110.41	25.93	
26 27 26 00-0086		Hospital Grade Receptacle (26 27 26 00-0028)			
26 27 26 00-0087	EA	15 Amperes, Heavy-Duty Hospital Grade, NEMA 5-15, Single Receptacle.....	55.09	12.97	
26 27 26 00-0088	EA	15 Amperes, Heavy-Duty Hospital Grade, NEMA 5-15, Duplex Receptacle.....	60.11	12.97	
26 27 26 00-0089	EA	20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	65.44	12.97	
26 27 26 00-0090	EA	20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	75.53	12.97	
26 27 26 00-0091	EA	20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	66.20	12.97	
26 27 26 00-0092	EA	20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	76.64	12.97	
26 27 26 00-0093	EA	120 Volt, Transient Voltage, Surge Suppressor Receptacle	159.30	38.90	
		Note: Hospital grade receptacle.			
26 27 26 00-0094		Weathertight Pin And Sleeve Receptacle (26 27 26 00-0028)			
26 27 26 00-0095	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	294.03	64.82	
26 27 26 00-0096	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	293.35	64.82	
26 27 26 00-0097	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	306.17	64.82	
26 27 26 00-0098	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	373.50	71.31	
26 27 26 00-0099	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	374.57	71.31	
26 27 26 00-0100	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	372.10	71.31	
26 27 26 00-0101	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	445.97	79.73	
26 27 26 00-0102	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	425.12	79.73	
26 27 26 00-0103	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	457.76	79.73	
26 27 26 00-0104	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	462.39	87.52	
26 27 26 00-0105	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	461.99	87.52	
26 27 26 00-0106	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	464.94	87.52	
26 27 26 00-0107	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	650.43	103.72	
26 27 26 00-0108	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	625.18	103.72	
26 27 26 00-0109	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	641.62	103.72	
26 27 26 00-0110	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	714.52	115.40	
26 27 26 00-0111	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	715.01	115.40	
26 27 26 00-0112	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	715.49	115.40	
26 27 26 00-0113	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	795.30	129.66	
26 27 26 00-0114	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	827.67	129.66	
26 27 26 00-0115	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	890.45	142.62	
26 27 26 00-0116	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	888.02	142.62	
26 27 26 00-0117	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	892.59	142.62	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0118		Corrosion Resistant Receptacle (26 27 26 00-0028)		
26 27 26 00-0119	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	71.08	12.97
26 27 26 00-0120	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	139.11	16.20
26 27 26 00-0121		Tamper Resistant Receptacle (26 27 26 00-0028)		
26 27 26 00-0122	EA	15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle	31.96	12.97
		Note: Pass & Seymour 3232-TR.		
26 27 26 00-0123	EA	20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle	35.06	12.97
		Note: Pass & Seymour TR20.		
26 27 26 00-0124	EA	15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle	43.97	12.97
		Note: Pass & Seymour TR5251.		
26 27 26 00-0125	EA	20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle	48.14	12.97
		Note: Pass & Seymour TR5351.		
26 27 26 00-0126	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	73.23	12.97
		Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0127	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	79.22	12.97
		Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0128	EA	20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	84.92	12.97
		Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0129		USB Charger/Duplex Tamper-Resistant Receptacles (26 27 26 00-0028)		
26 27 26 00-0130	EA	15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	75.42	12.97
26 27 26 00-0131	EA	20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	81.60	12.97
26 27 26 00-0132		Switches (26 27 26)		
26 27 26 00-0133		Switches (26 27 26 00-0132)		
26 27 26 00-0134		Switch Assemblies (26 27 26 00-0133)		
		Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0135	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	104.92	45.38
26 27 26 00-0136	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	113.17	49.27
26 27 26 00-0137	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	140.83	59.32
26 27 26 00-0138	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	154.73	65.80
26 27 26 00-0139	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	240.48	101.78
26 27 26 00-0140	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	261.34	111.50
26 27 26 00-0141	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	276.52	115.07
26 27 26 00-0142	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	304.33	128.03
26 27 26 00-0143		Switch Components (26 27 26 00-0133)		
26 27 26 00-0144	EA	15 Amperes, 120/277 Volt, SPST Switch	32.87	12.97
26 27 26 00-0145	EA	15 Amperes, 120/277 Volt, 3-Way Switch	41.54	16.20
26 27 26 00-0146	EA	15 Amperes, 120/277 Volt, 4-Way Switch	78.34	25.93
26 27 26 00-0147	EA	15 Amperes, 120/277 Volt, DPST Switch	36.91	12.97
26 27 26 00-0148	EA	15 Amperes, 120/277 Volt, Thermal Switch.....	66.93	16.20
26 27 26 00-0149	EA	20 Amperes, 120/277 Volt, SPST Switch	39.83	16.20
26 27 26 00-0150	EA	20 Amperes, 120/277 Volt, 3-Way Switch	49.03	19.45
26 27 26 00-0151	EA	20 Amperes, 120/277 Volt, 4-Way Switch	102.36	25.93
26 27 26 00-0152	EA	20 Amperes, 120/277 Volt, DPST Switch	46.30	16.20
26 27 26 00-0153	EA	20 Amperes, 120/277 Volt, DPDT Switch.....	49.17	16.20
26 27 26 00-0154	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	90.25	16.23
26 27 26 00-0155	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	113.87	16.23
26 27 26 00-0156	EA	Momentary Contact Switch With Separate Neon Pilot.....	86.74	19.48
		Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0157	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off	59.76	22.69
		Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0158	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch.....	72.82	25.93
		Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0159	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch.....	102.42	25.93
		Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0160	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch	90.44	25.97
26 27 26 00-0161	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch.....	111.68	25.97
26 27 26 00-0162	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch.....	116.63	32.47
26 27 26 00-0163	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch.....	163.11	35.71
26 27 26 00-0164	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot.....	77.36	21.24
26 27 26 00-0165	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot	109.72	21.24
		Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0166	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	95.77	21.24
26 27 26 00-0167	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	90.97	21.24
26 27 26 00-0168	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch.....	101.45	10.52
26 27 26 00-0169	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch.....	107.96	10.52
26 27 26 00-0170	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	114.54	40.52
26 27 26 00-0171	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch	138.16	40.52
		Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0172	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	165.31	12.99
26 27 26 00-0173	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	89.55	12.99
26 27 26 00-0174	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-BS-DV-WH).....	279.90	12.97
26 27 26 00-0175	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	52.92	12.97

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 26 00-0176	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV).....	95.43	12.99
26 27 26 00-0177	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000).....	109.51	12.99
26 27 26 00-0178	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000).....	140.21	12.99
26 27 26 00-0179	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	170.24	12.99

26 27 26 00-0180 Specialty Switches (26 27 26 00-0132)**26 27 26 00-0181 Dimmers With SPST Switch** (26 27 26 00-0180)

26 27 26 00-0182	EA	600 Watt Dimmers With SPST Switch.....	73.35	29.17
26 27 26 00-0183	EA	1,000 Watt Dimmers With SPST Switch.....	120.18	29.17
26 27 26 00-0184	EA	1,500 Watt Dimmers With SPST Switch.....	214.85	46.94
26 27 26 00-0185	EA	2,000 Watt Dimmers With SPST Switch.....	274.61	46.94
26 27 26 00-0186	EA	600 Watt Fluorescent Dimmer Switch.....	155.31	34.62
26 27 26 00-0187	EA	1,000 Watt Fluorescent Dimmer Switch.....	206.73	34.62
26 27 26 00-0188	EA	1,500 Watt Fluorescent Dimmer Switch.....	371.22	52.25
26 27 26 00-0189	EA	Remote Speed Switch For Paddle Fan.....	119.44	43.18
26 27 26 00-0190	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer.....	195.06	64.44

26 27 26 00-0191 Time Switches (26 27 26 00-0180)

26 27 26 00-0192	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch.....	131.89	38.90
26 27 26 00-0193	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch.....	134.59	38.90
26 27 26 00-0194	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch.....	131.89	38.90
26 27 26 00-0195	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch.....	134.59	38.90
26 27 26 00-0196	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch.....	149.92	38.90
26 27 26 00-0197	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch.....	149.92	38.90
26 27 26 00-0198	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch.....	256.31	38.90
26 27 26 00-0199	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch.....	256.31	38.90
26 27 26 00-0200	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch.....	222.17	38.90
26 27 26 00-0201	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch.....	243.02	38.90
26 27 26 00-0202	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch.....	243.02	38.90
26 27 26 00-0203	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch.....	292.28	38.90
26 27 26 00-0204	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch.....	300.57	38.90
26 27 26 00-0205	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch.....	131.89	38.90
26 27 26 00-0206	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch.....	134.59	38.90
26 27 26 00-0207	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch.....	131.89	38.90
26 27 26 00-0208	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch.....	134.59	38.90
26 27 26 00-0209	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch.....	149.92	38.90
26 27 26 00-0210	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch.....	149.92	38.90
26 27 26 00-0211	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch.....	256.31	38.90
26 27 26 00-0212	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch.....	256.31	38.90
26 27 26 00-0213	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	292.28	38.90
26 27 26 00-0214	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	300.57	38.90

26 27 26 00-0215 Low Voltage Switching (26 27 26 00-0180)

26 27 26 00-0216	EA	36 Pin Male Or Female Connector.....	200.82	12.97
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26 27 26 00-0217 Other Switches (26 27 26 00-0180)

26 27 26 00-0218	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture.....	42.25	19.45
26 27 26 00-0219	EA	SPST Locking Switch For Concealed Devices.....	126.95	51.87
26 27 26 00-0220	EA	3-Way Locking Switch For Concealed Devices.....	128.42	51.87
26 27 26 00-0221	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard.....	138.21	48.49
26 27 26 00-0222	EA	15 Amperes Momentary Contact Switch.....	132.30	48.49
26 27 26 00-0223	EA	20 Amperes Momentary Contact Switch.....	138.52	48.49
26 27 26 00-0224	EA	2-1/4" Handy Box Cover Units Fuseholder Switch.....	134.21	58.43
26 27 26 00-0225	EA	2-3/4" Handy Box Cover Units Fuseholder Switch.....	135.95	58.43
26 27 26 00-0226	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches.....	167.12	71.42
26 27 26 00-0227	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch.....	151.97	64.92
26 27 26 00-0228	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch.....	152.40	64.92

26 27 26 00-0229 Hospital Grade Switches (26 27 26 00-0180)

26 27 26 00-0230	EA	15 Amperes, 120/277 Volt, SPST Hospital Grade Switch.....	32.87	12.97
26 27 26 00-0231	EA	20 Amperes, 120/277 Volt, SPST Hospital Grade Switch.....	39.83	16.20

26 27 26 00-0232 Plates And Covers (26 27 26)**26 27 26 00-0233 Wall Plates** (26 27 26 00-0232)**26 27 26 00-0234 Nylon Wall Plates** (26 27 26 00-0233)

26 27 26 00-0235	EA	1 Gang Nylon Switch Wall Plates.....	2.06	0.65
26 27 26 00-0236	EA	2 Gang Nylon Switch Wall Plates.....	3.50	0.97
26 27 26 00-0237	EA	3 Gang Nylon Switch Wall Plates.....	4.98	1.29
26 27 26 00-0238	EA	4 Gang Nylon Switch Wall Plate.....	7.17	1.63
26 27 26 00-0239	EA	1 Gang Duplex Nylon Wall Plate.....	2.08	0.65
26 27 26 00-0240	EA	2 Gang Duplex Nylon Wall Plate.....	3.59	0.97

26 27 26 00-0241 Plastic Wall Plates (26 27 26 00-0233)

26 27 26 00-0242	EA	1 Gang Plastic Switch Wall Plates.....	1.91	0.65
26 27 26 00-0243	EA	2 Gang Plastic Switch Wall Plates.....	3.19	0.97

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0244	EA	3 Gang Plastic Switch Wall Plates.....	4.48	1.29
26 27 26 00-0245	EA	4 Gang Plastic Switch Wall Plates.....	7.17	1.63
26 27 26 00-0246	EA	1 Gang Duplex Plastic Wall Plate.....	1.91	0.65
26 27 26 00-0247	EA	2 Gang Duplex Plastic Wall Plate.....	3.20	0.97
26 27 26 00-0248 Thermoplastic Wall Plates (Hospital Grade) (26 27 26 00-0233)				
26 27 26 00-0249	EA	1 Gang Thermoplastic Hospital Grade Switch Wall Plate.....	9.41	0.65
26 27 26 00-0250	EA	2 Gang Thermoplastic Hospital Grade Switch Wall Plate.....	11.40	0.97
26 27 26 00-0251	EA	3 Gang Thermoplastic Hospital Grade Switch Wall Plate.....	17.88	1.29
26 27 26 00-0252	EA	4 Gang Thermoplastic Hospital Grade Switch Wall Plate.....	26.16	1.63
26 27 26 00-0253	EA	1 Gang Duplex Thermoplastic Hospital Grade Wall Plate.....	13.91	0.65
26 27 26 00-0254	EA	2 Gang Duplex Thermoplastic Hospital Grade Wall Plate.....	21.89	0.97
26 27 26 00-0255 Brass Wall Plates (26 27 26 00-0233)				
26 27 26 00-0256	EA	1 Gang, 0.04" Brass Switch Wall Plates.....	20.41	2.92
26 27 26 00-0257	EA	2 Gang, 0.04" Brass Switch Wall Plates.....	38.37	3.37
26 27 26 00-0258	EA	3 Gang, 0.04" Brass Switch Wall Plates.....	56.20	3.76
26 27 26 00-0259	EA	4 Gang, 0.04" Brass Switch Wall Plates.....	87.53	4.09
26 27 26 00-0260	EA	5 Gang, 0.04" Brass Switch Wall Plates.....	106.65	4.35
26 27 26 00-0261	EA	6 Gang, 0.04" Brass Switch Wall Plates.....	123.47	4.55
26 27 26 00-0262	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	20.41	2.92
26 27 26 00-0263	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	45.00	3.37
26 27 26 00-0264	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	64.94	3.76
26 27 26 00-0265 Stainless Steel Wall Plates (26 27 26 00-0233)				
26 27 26 00-0266	EA	1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates.....	10.83	2.92
26 27 26 00-0267	EA	2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates.....	17.44	3.37
26 27 26 00-0268	EA	3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates.....	24.42	3.76
26 27 26 00-0269	EA	4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates.....	35.92	4.09
26 27 26 00-0270	EA	5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates.....	42.33	4.35
26 27 26 00-0271	EA	6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates.....	51.25	4.55
26 27 26 00-0272	EA	1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	11.88	2.92
26 27 26 00-0273	EA	2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	19.92	3.37
26 27 26 00-0274	EA	3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	32.64	3.76
26 27 26 00-0275	EA	4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	39.49	4.09
26 27 26 00-0276 Chrome Wall Plates (26 27 26 00-0233)				
26 27 26 00-0277	EA	1 Gang, 0.040" Chrome Switch Wall Plate.....	41.02	2.92
26 27 26 00-0278	EA	2 Gang 0.040" Chrome Switch Wall Plate.....	76.99	3.37
26 27 26 00-0279	EA	3 Gang 0.040" Chrome Switch Wall Plate.....	112.92	3.76
26 27 26 00-0280	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate.....	40.99	2.92
26 27 26 00-0281 Ceramic Wall Plates (26 27 26 00-0233)				
26 27 26 00-0282	EA	1 Gang, Ceramic Switch Wall Plate.....	21.53	3.57
26 27 26 00-0283	EA	1 Gang, Ceramic Duplex Receptacle Wall Plate.....	21.53	3.57
26 27 26 00-0284	EA	2 Gang, Ceramic Switch Wall Plate.....	25.05	3.37
26 27 26 00-0285	EA	2 Gang, Ceramic Combination Switch/Receptacle Wall Plate.....	25.05	3.37
26 27 26 00-0286	EA	3 Gang, Ceramic Switch Wall Plate.....	32.50	3.76
26 27 26 00-0287 Weatherproof Covers (26 27 26 00-0232)				
26 27 26 00-0288 Stamped Metallic Weatherproof Covers (26 27 26 00-0287)				
Note: Includes electrostatically applied powder coating and neoprene gasket.				
26 27 26 00-0289	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	13.88	0.65
26 27 26 00-0290	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	15.04	0.65
26 27 26 00-0291	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	15.04	0.65
26 27 26 00-0292	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC).....	15.04	0.65
26 27 26 00-0293	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC).....	18.44	0.97
26 27 26 00-0294	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	20.95	0.97
26 27 26 00-0295	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	21.21	0.97
26 27 26 00-0296	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	21.21	0.97
26 27 26 00-0297	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	28.88	0.97
26 27 26 00-0298	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB).....	27.30	1.29
26 27 26 00-0299	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	29.87	1.29
26 27 26 00-0300 Cast Metallic Weatherproof Covers (26 27 26 00-0287)				
Note: Includes electrostatically applied powder coating and neoprene gasket.				
26 27 26 00-0301	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	17.01	0.65
26 27 26 00-0302	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	54.54	0.65
26 27 26 00-0303	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	61.17	0.65
26 27 26 00-0304	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	16.88	0.65
26 27 26 00-0305	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT).....	46.22	0.65
26 27 26 00-0306	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT).....	76.95	0.65
26 27 26 00-0307	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST).....	97.99	0.65
26 27 26 00-0308	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	21.21	0.97
26 27 26 00-0309	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	154.82	0.97
26 27 26 00-0310	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC).....	35.54	1.29
26 27 26 00-0311	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	147.85	1.29

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 27 26 00-0312		Die Cast Aluminum Weatherproof Covers (26 27 26 00-0287)	
		Note: Includes electrostatically applied powder coating and neoprene gasket.	
26 27 26 00-0313	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	5.69 0.65
26 27 26 00-0314	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	7.30 0.65
26 27 26 00-0315	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	9.81 0.97
26 27 26 00-0316	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	10.64 0.97
26 27 26 00-0317	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	10.64 0.97
26 27 26 00-0318	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	11.85 0.97
26 27 26 00-0319		Heavy-Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0287)	
		Note: Includes baked on lacquer finish and neoprene gasket.	
26 27 26 00-0320	EA	Duplex Receptacle, Single Gang, Heavy-Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	58.08 0.65
26 27 26 00-0321		Polycarbonate Weatherproof Covers (26 27 26 00-0287)	
		Note: Includes neoprene gasket.	
26 27 26 00-0322	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.70 0.65
26 27 26 00-0323	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.70 0.65
26 27 26 00-0324	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.70 0.65
26 27 26 00-0325	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	14.48 0.97
26 27 26 00-0326	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	14.48 0.97
26 27 26 00-0327		High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0287)	
		Note: Includes neoprene gasket.	
26 27 26 00-0328	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	94.90 0.65
26 27 26 00-0329		Non-Metallic (PVC) Weatherproof Covers (26 27 26 00-0287)	
		Note: Includes neoprene gasket.	
26 27 26 00-0330	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	13.89 0.65
26 27 26 00-0331	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	14.91 0.97
26 27 26 00-0332	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	13.93 0.65
26 27 26 00-0333	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	30.73 0.65
26 27 26 00-0334	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	35.62 0.65
26 27 26 00-0335	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	28.87 0.65
26 27 26 00-0336	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	21.51 0.65
26 27 26 00-0337	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	25.18 0.65
26 27 26 00-0338	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	22.51 0.65
26 27 26 00-0339	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	32.42 0.97
26 27 26 00-0340		Removal And Reinstallation Of Wiring Devices (26 27 26)	
		Note: Includes storage and cleaning.	
26 27 26 00-0341	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	85.30
26 27 26 00-0342	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	10.80
26 27 26 00-0343		Relay Systems (26 27 26)	
26 27 26 00-0344	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	98.49 29.17
26 27 26 00-0345	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	422.05 97.24
26 27 26 00-0346	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	714.81 129.66
26 27 26 00-0347		Limit Switches (26 27 26)	
26 27 26 00-0348		Heavy-Duty Precision Oiltight (26 27 26 00-0347)	
26 27 26 00-0349		Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0348)	
26 27 26 00-0350	EA	Limit Switch, Heavy-Duty, Lever Arm Weatherproof, 10 Amperes Rated	470.84 81.68
26 27 26 00-0351		In Line Midget Fuseholders (26 27 26)	
		See CSI section 26 28 13 00-0078 for fuses.	
26 27 26 00-0352	EA	Single Pole Water Resistant In Line Midget Fuseholder	94.47
26 27 26 00-0353	EA	Double Pole Water Resistant In Line Midget Fuseholder	219.15
26 27 33		Power Distribution Units (26 27)	
		Note: Includes wiring connections and testing.	
26 27 33 00-0001		Liebert Precision Power Center (26 27 33)	
		Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.	
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	21,970.78 398.69
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	26,530.95 432.14
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	30,236.76 479.73
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	34,791.43 518.62
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	37,960.59 648.28
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	42,584.67 777.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 33 00-0008	EA		PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	49,134.37	907.60
26 27 33 00-0009	EA		PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	51,661.66	1,037.25
26 27 33 00-0010	EA		PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	54,574.05	1,166.91
26 27 33 00-0011	EA		Ex Panelboard 10-30 KVA	1,945.32	129.66
26 27 33 00-0012	EA		Ex Panelboard 50-125 KVA	2,908.77	162.07
26 27 33 00-0013	EA		Ex Panelboard 150-220 KVA	6,568.11	194.48
26 27 33 00-0014	EA		Removal And Reinstallation Of Power Distribution Unit	2,074.51	
			Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 27 33 00-0015	EA		Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,555.88	

26 27 73 Door Chimes ^(26 27)

26 27 73 00-0001			Door Bell Chime And Door Button With Built-In Viewer ^(26 27 73)		
			Note: Non-electric chime, mounted on door		
26 27 73 00-0002	EA		Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	92.29	20.35

26 27 73 00-0003 Wireless Door Bell System ^(26 27 73)

26 27 73 00-0004	EA		Wireless Doorbell Chime And Push Button (Broan LA542WH)	147.63	
			Note: Includes 2 push buttons		
26 27 73 00-0005	EA		Wireless Doorbell Chime And Push Button (STI-3350G)	139.08	
			Note: Includes 2 push buttons		
26 27 73 00-0006	EA		Wireless Doorbell Chime And Push Button (GE 19300)	104.14	
			Note: Includes 2 push buttons		

26 27 73 00-0007 Door Chimes ^(26 27 73)

26 27 73 00-0008	EA		Door Bell, Push-Button And Transformer, Complete	686.38	270.08
26 27 73 00-0009	EA		Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	266.87	64.82
26 27 73 00-0010	EA		Removal And Replacement Of Bell/Buzzer, Complete	109.90	32.42
			Note: Includes removal of existing.		

26 28 Low-Voltage Circuit Protective Devices ^(26 20)

26 28 13 Fuses ^(26 28)

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses ^(26 28 13)

26 28 13 00-0002	EA		1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	31.85	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0003	EA		2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	30.96	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0004	EA		3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.76	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0005	EA		5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.59	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0006	EA		6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	30.71	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0007	EA		8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	28.52	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0008	EA		10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	28.00	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0009	EA		15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.71	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0010	EA		20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.07	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0011	EA		25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	24.30	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0012	EA		30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.44	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	

26 28 13 00-0013 Class RK1, Time Delay Fuses ^(26 28 13)

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses ^(26 28 13 00-0013)

26 28 13 00-0015	EA		1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	52.91	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0016	EA		2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	49.03	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0017	EA		3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.74	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0018	EA		4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	51.38	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0019	EA		5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	48.68	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0020	EA		10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	47.06	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0021	EA		15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	42.78	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0022	EA		20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	42.45	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0023	EA		25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	42.80	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	
26 28 13 00-0024	EA		30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	42.36	9.34
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.22	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.58 8.56	12.84
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	370.01 8.56	12.84
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	375.71 8.56	12.84
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	369.17 10.50	15.82
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	368.23 10.50	15.82
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	709.89 10.50	15.82
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	712.39 12.84	19.32
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	804.67 12.84	19.32
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	728.08 12.84	19.32
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,316.09 12.84	19.32
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,169.07 15.56	23.34
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,018.03 15.56	23.34
26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses (26 28 13)				
Note: 250/300 Volt DC.				
26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.73 6.22	9.34
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.75 6.22	9.34
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.46 6.22	9.34
26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.14 6.22	9.34
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.98 6.22	9.34
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.23 6.22	9.34
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.34 6.22	9.34
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.17 6.22	9.34
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.90 6.22	9.34
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.99 6.22	9.34
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.46 6.22	9.34
26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse (26 28 13)				
26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.28 3.89	6.48
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.95 3.89	6.48
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.24 4.67	7.78
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.72 5.84	9.72
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.34 5.84	9.72
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.90 5.84	9.72
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.72 7.78	12.97
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.59 7.78	12.97
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.79 7.78	12.97
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.04 7.78	12.97
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.61 7.78	12.97
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.25 9.73	16.20
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.01 9.73	16.20
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.25 11.67	19.45
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.56 11.67	19.45
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	183.42 11.67	19.45
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.26 13.61	22.69

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	386.86	22.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.61	
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	326.69	22.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.61	
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	308.89	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	313.68	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	257.71	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	676.28	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	624.05	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	573.78	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	627.28	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	513.09	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.51	
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	1,110.01	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.51	
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	937.45	32.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	692.21	32.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	

26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses (26 28 13)

26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,148.07	16.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.73	
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,152.33	16.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.73	
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,156.30	16.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.73	
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,147.53	19.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.67	
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,976.98	19.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.67	
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,114.35	22.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.61	
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,945.03	22.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.61	
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,176.90	22.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.61	
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,134.18	22.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.61	
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,895.08	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,946.47	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,592.36	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,885.77	25.93
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,901.33	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.50	
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,664.63	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.50	
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,437.88	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.50	
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,636.37	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.50	
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,685.52	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.50	
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,765.63	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.50	
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,712.51	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.50	
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,348.05	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.50	
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,084.40	32.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,436.30	32.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,834.06	32.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,837.09	32.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,548.37	32.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,277.79	35.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.39	
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	8,865.86	35.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.39	
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	10,290.38	35.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.39	
26 28 13 00-0151	EA	4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	5,942.64	35.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.39	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 13 00-0152	EA	5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	9,388.91	35.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.39	
26 28 13 00-0153	EA	6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	15,554.28	35.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.39	

26 28 16 Enclosed Switches and Circuit Breakers (26 28)

26 28 16 13 Enclosed Circuit Breakers (26 28 16)

26 28 16 13-0001 Branch Circuit Breakers (26 28 16 13)

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001)

Note: Includes connection of electrical wire.

26 28 16 13-0003	EA	1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	64.24	23.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	64.24	23.34
		<i>For Bolt-On, Add</i>	17.11	
		<i>For Installation In New Panelboard, Deduct</i>	-12.97	
		Note: Also for use with new interiors in panelboards.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	93.37	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	142.45	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	198.57	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	230.57	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	111.53	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	106.34	35.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	106.34	35.00
		<i>For Bolt-On, Add</i>	26.91	
		<i>For Installation In New Panelboard, Deduct</i>	-19.45	
		Note: Also for use with new interiors in panelboards.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	160.82	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	267.66	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	315.82	64.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.79	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	268.66	41.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.01	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	360.46	41.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.01	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	203.64	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	203.64	46.68
		<i>For Bolt-On, Add</i>	43.61	
		<i>For Installation In New Panelboard, Deduct</i>	-25.93	
		Note: Also for use with new interiors in panelboards.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	267.12	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	405.32	70.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.68	
26 28 16 13-0021	EA	3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	517.62	81.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.46	

26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001)

Note: Includes connection of electrical wire.

26 28 16 13-0023	EA	1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	93.32	23.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 16 13-0024	EA	1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	93.32	23.34
		<i>For Bolt-On, Add</i>	20.74	
		<i>For Installation In New Panelboard, Deduct</i>	-12.97	
		Note: Also for use with new interiors in panelboards.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 16 13-0025	EA	1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	167.70	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 16 13-0026	EA	1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	262.07	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 16 13-0027	EA	2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	182.90	35.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0028	EA	2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	182.90	35.00
		<i>For Bolt-On, Add</i>	36.48	
		<i>For Installation In New Panelboard, Deduct</i>	-19.45	
		Note: Also for use with new interiors in panelboards.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0029	EA	2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	361.96	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 28 16 13-0030	EA	2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	493.55	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0031	EA	2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	726.97	64.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.79	
26 28 16 13-0032	EA	3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	292.47	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0033	EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	292.47	46.68
		<i>For Bolt-On, Add</i>	54.71	
		<i>For Installation In New Panelboard, Deduct</i>	-25.93	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	438.31	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	624.61	70.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.68	
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	969.29	81.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.46	
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,119.09	87.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.34	
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,202.33	93.35
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.24	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,423.64	99.18
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.13	

26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On ^(26 28)^{16 13-0001}*Note: Includes connection of electrical wire.*

26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	112.43	23.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	112.43	23.34
		<i>For Bolt-On, Add</i>	23.13	
		<i>For Installation In New Panelboard, Deduct</i>	-12.97	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	186.58	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	232.70	35.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	232.70	35.00
		<i>For Bolt-On, Add</i>	42.70	
		<i>For Installation In New Panelboard, Deduct</i>	-19.45	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	409.72	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,056.59	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	374.66	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	374.66	46.68
		<i>For Bolt-On, Add</i>	64.98	
		<i>For Installation In New Panelboard, Deduct</i>	-25.93	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	498.14	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,308.20	70.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.68	

26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On ^(26 28)^{16 13-0001}*Note: Includes connection of electrical wire.*

26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	128.66	23.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	128.66	23.34
		<i>For Bolt-On, Add</i>	25.16	
		<i>For Installation In New Panelboard, Deduct</i>	-12.97	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	151.47	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	259.90	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	275.04	35.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	275.04	35.00
		<i>For Bolt-On, Add</i>	47.99	
		<i>For Installation In New Panelboard, Deduct</i>	-19.45	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	333.02	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	481.19	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	623.77	64.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.79	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	779.33	75.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.57	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	840.12	87.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.34	
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	333.73	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	333.73	46.68
		<i>For Bolt-On, Add</i>	59.87	
		<i>For Installation In New Panelboard, Deduct</i>	-25.93	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	391.02	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	596.58	70.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.68	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	783.20	90.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.29	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	968.49	105.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.01	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	1,030.06	111.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.91	
26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On (26 28				
		<i>16 13-0001</i>		
		<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	285.61	35.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	285.61	35.00
		<i>For Bolt-On, Add</i>	49.31	
		<i>For Installation In New Panelboard, Deduct</i>	-19.45	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	435.27	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	709.68	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	1,108.19	72.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.62	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	1,257.19	75.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.57	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	1,373.00	87.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.34	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	411.01	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	411.01	46.68
		<i>For Bolt-On, Add</i>	69.53	
		<i>For Installation In New Panelboard, Deduct</i>	-25.93	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	517.81	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	883.23	70.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.68	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	1,292.65	90.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.29	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	1,527.17	105.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.01	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity.....	1,652.69	111.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.91	
26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On (26 28				
		<i>16 13-0001</i>		
		<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	296.13	35.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	296.13	35.00
		<i>For Bolt-On, Add</i>	50.63	
		<i>For Installation In New Panelboard, Deduct</i>	-19.45	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	532.30	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	978.74	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	1,552.95	72.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.62	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	1,768.72	75.85
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.57	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	1,924.99	87.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.34	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	483.79	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	483.79	46.68
		<i>For Bolt-On, Add</i>	78.62	
		<i>For Installation In New Panelboard, Deduct</i>	-25.93	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	643.96	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,190.66	70.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.68	
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,503.99	90.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.29	
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,405.43	105.02
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.01	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,562.02	111.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.91	

26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On (26 28)

16 13-0001

Note: Includes connection of electrical wire.

26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	155.15	23.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	155.15	23.34
		<i>For Bolt-On, Add</i>	28.47	
		<i>For Installation In New Panelboard, Deduct</i>	-12.97	
		Note: Also for use with new interiors in panelboards.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	270.10	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	339.17	35.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	339.17	35.00
		<i>For Bolt-On, Add</i>	56.01	
		<i>For Installation In New Panelboard, Deduct</i>	-19.45	
		Note: Also for use with new interiors in panelboards.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	621.37	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,156.65	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,255.63	72.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.62	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	561.45	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	561.45	46.68
		<i>For Bolt-On, Add</i>	88.33	
		<i>For Installation In New Panelboard, Deduct</i>	-25.93	
		Note: Also for use with new interiors in panelboards.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	751.86	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,425.17	70.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.68	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,804.54	90.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.29	

26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On (26 28)

16 13-0001

Note: Includes connection of electrical wire.

26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	229.77	23.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	229.77	23.34
		<i>For Bolt-On, Add</i>	37.80	
		<i>For Installation In New Panelboard, Deduct</i>	-12.97	
		Note: Also for use with new interiors in panelboards.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.56	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	349.46	29.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	425.51	35.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	425.51	35.00
		<i>For Bolt-On, Add</i>	66.80	
		<i>For Installation In New Panelboard, Deduct</i>	-19.45	
		Note: Also for use with new interiors in panelboards.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.34	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	807.25	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,472.02	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,948.64	64.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.79	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	734.47	46.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	734.47	46.68
		<i>For Bolt-On, Add</i>	109.96	
		<i>For Installation In New Panelboard, Deduct</i>	-25.93	
		Note: Also for use with new interiors in panelboards.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.12	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,019.18	58.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.90	
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,659.68	70.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.68	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	3,718.60	90.76
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 13-0129			Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001) Note: Includes connection of electrical wire.		
26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	100.96	23.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.56		
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	216.13	35.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.34		
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	344.70	46.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.12		
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	216.98	23.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.56		
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	216.98	23.34	
		For Bolt-On, Add	36.20		
		For Installation In New Panelboard, Deduct	-12.97		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.56		
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	432.03	46.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.12		
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	496.63	35.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.34		
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	496.63	35.00	
		For Bolt-On, Add	75.69		
		For Installation In New Panelboard, Deduct	-19.45		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.34		
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	967.54	46.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.12		
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,649.92	58.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.90		
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	3,652.40	72.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.62		
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	836.21	46.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.12		
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	836.21	46.68	
		For Bolt-On, Add	122.68		
		For Installation In New Panelboard, Deduct	-25.93		
		Note: Also for use with new interiors in panelboards.			
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.12		
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,166.88	58.34	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.90		
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,789.06	70.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.68		
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	4,541.73	90.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	60.29		
26 28 16 16		Enclosed Switches (26 28 16)			
26 28 16 16-0001		Motor And Circuit Disconnects (26 28 16 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.			
26 28 16 16-0002		NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)			
26 28 16 16-0003		Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002) Note: Includes fuses and neutral bar.			
26 28 16 16-0004		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)			
26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	483.94	129.66	
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	761.73	156.23	
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,047.72	182.82	
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,805.33	287.83	
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,843.12	447.31	
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,419.75	661.25	
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,760.84	777.94	
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,765.73	907.60	
26 28 16 16-0013		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)			
26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	737.79	144.05	
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	890.17	173.61	
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,417.43	202.91	
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,095.22	320.25	
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,576.70	496.85	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,135.53		734.38	
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,557.22		863.91	
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,427.50		1,008.46	
26 28 16 16-0022		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)				
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	687.98		203.56	
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,014.51		270.34	
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,367.46		300.15	
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,163.27		470.00	
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,498.22		771.45	
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,320.42		1,080.68	
26 28 16 16-0029		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)				
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	899.86		224.95	
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,143.38		300.15	
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,687.04		337.76	
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,483.65		514.73	
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,538.58		831.10	
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,915.75		1,200.62	
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,197.88		1,426.22	
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	18,153.45		1,620.71	
26 28 16 16-0038		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)				
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	666.41		203.56	
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	986.63		270.34	
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,316.74		300.15	
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,233.02		470.00	
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,891.33		771.45	
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,911.82		1,080.68	
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,104.49		1,361.39	
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,161.03		1,555.88	
26 28 16 16-0047		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)				
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	979.02		224.95	
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,240.65		300.15	
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,829.27		337.76	
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,696.57		514.73	
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,992.84		831.10	
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,718.03		1,200.62	
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,529.86		1,426.22	
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	19,592.27		1,620.71	
26 28 16 16-0056		Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)				

		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Low-Voltage Circuit Protective Devices	26 28	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

26 28 16 16-0057	240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	470.29	187.62
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	730.91	261.00
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,008.07	300.15
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,579.10	480.25
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,188.06	800.37
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,215.36	1,091.45
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,454.12	1,296.57
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,845.53	1,513.22
26 28 16 16-0066	600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	519.46	207.06
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	827.77	292.90
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,139.45	333.48
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,768.49	522.00
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,430.14	857.55
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,768.37	1,200.49
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,268.34	1,296.57
26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,960.58	1,513.22
26 28 16 16-0075	240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	548.62	168.56
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	839.88	234.67
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,133.38	270.34
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,780.61	432.40
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,566.03	720.24
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,749.95	982.15
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,898.52	1,166.91
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	12,900.01	1,361.39
26 28 16 16-0084	480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	598.54	186.05
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	923.59	263.86
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,235.76	300.15
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,921.21	470.00
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,820.73	771.45
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,216.80	1,080.68
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,437.17	1,166.91
26 28 16 16-0092	600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	638.70	186.31
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	992.08	263.59

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 28 16 16-0095	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,347.16	300.15	
26 28 16 16-0096	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,092.79	469.74	
26 28 16 16-0097	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,060.74	771.71	
26 28 16 16-0098	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,927.11	1,080.43	
26 28 16 16-0099	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,248.09	1,166.91	
26 28 16 16-0100	EA	1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	14,716.76	1,361.39	
26 28 16 16-0101		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	934.40	168.81	
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,129.21	234.94	
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,730.13	270.08	
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,596.77	432.14	
26 28 16 16-0106		480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,011.97	186.05	
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,233.62	263.86	
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,875.16	300.15	
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,795.69	470.00	
26 28 16 16-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0056)			
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,123.77	186.31	
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,356.93	263.59	
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,096.90	300.15	
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,118.71	469.74	
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002) Note: Includes fuses and neutral bar.			
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)			
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	336.09	112.80	
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	457.89	135.75	
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	703.75	158.70	
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,302.12	250.37	
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,094.54	388.32	
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,785.38	574.77	
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)			
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	464.68	177.24	
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	655.77	234.94	
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	908.31	261.00	
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,619.78	408.54	
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,663.01	671.11	
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,520.71	939.49	

		Electrical	26	26
		Low-Voltage Electrical Distribution	26 20	
		Low-Voltage Circuit Protective Devices	26 28	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0116)		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	516.84	177.24
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	739.87	234.94
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	984.83	261.00
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,812.58	408.54
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,992.55	671.11
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,729.60	939.49
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)		
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0138)		
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	459.26	156.88
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	610.92	180.35
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,378.36	288.23
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,954.49	479.73
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,112.47	653.73
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0138)		
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	433.84	146.77
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	594.49	204.21
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	903.31	234.94
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,554.40	375.88
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,248.98	626.50
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,515.24	853.91
26 28 16 16-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0153		Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0152)		
		Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0153)		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	710.23	152.34
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,129.09	182.82
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,410.96	212.64
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,065.48	324.14
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,561.48	518.62
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,991.75	691.72
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,978.74	777.94
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	15,871.43	907.60
26 28 16 16-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0153)		
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,221.58	203.04
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,454.74	248.94
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,063.92	285.89

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,908.26	428.78
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,325.88	701.57
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,629.00	964.77
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,093.59	1,110.90
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,830.62	1,250.53
26 28 16 16-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26				
28 16 16-0153)				
26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	906.61	239.87
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,438.25	317.66
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,733.02	348.78
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,569.97	540.02
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,554.39	900.46
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,261.51	1,200.62
26 28 16 16-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26				
28 16 16-0153)				
26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,386.59	284.34
26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,654.51	348.52
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,214.28	400.12
26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,216.82	600.31
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,770.63	982.28
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,224.66	1,350.63
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,300.61	1,555.88
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	20,708.20	1,750.37
26 28 16 16-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26				
28 16 16-0153)				
26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	995.06	239.87
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,440.82	317.66
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,857.39	348.78
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,652.92	540.02
26 28 16 16-0193	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,630.48	900.46
26 28 16 16-0194	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,098.46	1,200.62
26 28 16 16-0195	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,847.39	1,361.39
26 28 16 16-0196	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	20,998.92	1,555.88
26 28 16 16-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26				
28 16 16-0153)				
26 28 16 16-0198	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,437.34	284.60
26 28 16 16-0199	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,711.57	348.78
26 28 16 16-0200	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,341.09	399.99
26 28 16 16-0201	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,299.25	600.31
26 28 16 16-0202	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,068.63	982.15
26 28 16 16-0203	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,567.05	1,350.37
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,378.75	1,555.88

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	22,129.33	1,750.37
26 28 16 16-0206		Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0152)		
26 28 16 16-0207		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)		
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	674.17	133.42
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,100.58	184.76
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,446.85	211.86
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,925.45	343.07
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,285.61	572.30
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,813.49	763.03
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,568.72	907.99
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	16,591.39	1,037.64
26 28 16 16-0216		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)		
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	759.03	147.03
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,247.21	205.77
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,633.70	232.34
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,136.84	360.18
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,863.46	600.31
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,435.81	800.37
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,404.09	951.16
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	17,687.80	1,080.43
26 28 16 16-0225		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)		
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	807.57	200.06
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,285.27	277.07
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,658.70	317.79
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,268.45	514.60
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,921.59	858.32
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,701.27	1,144.21
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,616.02	1,361.39
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,025.42	1,555.88
26 28 16 16-0234		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	877.50	220.42
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,400.83	308.71
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,793.29	348.52
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,408.43	540.28
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,234.43	900.33
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,271.20	1,200.49
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,523.51	1,426.22
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	19,218.21	1,620.71

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 16-0243		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0206)		
26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	474.02	220.42
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,453.02	308.71
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,866.06	348.52
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,496.99	540.28
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,463.72	900.33
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,236.16	1,200.49
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,503.88	1,426.22
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,191.50	1,620.71
26 28 16 16-0252		General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0152) Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0252)		
26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	434.71	132.51
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	613.19	158.96
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	806.30	184.89
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,652.92	281.87
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,041.72	450.94
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,162.72	601.60
26 28 16 16-0260		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0252)		
26 28 16 16-0261	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	587.97	208.87
26 28 16 16-0262	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	848.36	276.30
26 28 16 16-0263	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,042.26	303.14
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,029.83	469.74
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,708.00	782.87
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,057.82	1,044.26
26 28 16 16-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0252)		
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	661.08	208.75
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	921.70	276.30
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,278.31	303.14
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,182.27	469.74
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,805.93	783.00
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,822.18	1,044.26
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,605.45	1,182.98
26 28 16 16-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0152)		
26 28 16 16-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0275)		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	392.24	116.04
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	641.74	160.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0279	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	674.65	184.24
26 28 16 16-0280	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,686.34	298.21
26 28 16 16-0281	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,135.89	497.62
26 28 16 16-0282	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,289.83	663.45
26 28 16 16-0283			240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26 28 16 16-0275)		
26 28 16 16-0284	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	613.91	174.00
26 28 16 16-0285	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	883.70	240.90
26 28 16 16-0286	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,293.42	276.30
26 28 16 16-0287	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,223.23	447.44
26 28 16 16-0288			NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0289			Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0288) Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290			240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0291	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	1,884.63	129.66
26 28 16 16-0292	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,263.92	156.23
26 28 16 16-0293	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,618.06	182.56
26 28 16 16-0294	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,387.49	288.10
26 28 16 16-0295	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	12,985.04	447.05
26 28 16 16-0296	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	18,665.07	660.99
26 28 16 16-0297			600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0298	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,391.55	144.05
26 28 16 16-0299	EA		60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,659.56	173.48
26 28 16 16-0300	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	4,993.07	202.78
26 28 16 16-0301	EA		200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	7,056.79	320.25
26 28 16 16-0302	EA		400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	13,485.19	497.11
26 28 16 16-0303	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	19,335.93	734.38
26 28 16 16-0304			240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0305	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,118.06	203.82
26 28 16 16-0306	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,654.81	270.08
26 28 16 16-0307	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,063.59	300.15
26 28 16 16-0308	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	7,198.23	469.74
26 28 16 16-0309	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	14,034.43	771.71
26 28 16 16-0310	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	20,028.19	1,080.43
26 28 16 16-0311			600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)		
26 28 16 16-0312	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,560.18	225.09
26 28 16 16-0313	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,919.98	300.15
26 28 16 16-0314	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,276.99	337.63
26 28 16 16-0315	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	7,465.23	514.47

26	26	Electrical
	26 20	Low-Voltage Electrical Distribution
	26 28	Low-Voltage Circuit Protective Devices



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,494.13		831.10
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,624.62		1,200.49
26 28 16 16-0318		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)			
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,531.62		203.82
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,171.82		270.08
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,098.11		300.15
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,612.89		469.74
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,818.67		771.71
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	23,854.41		1,080.43
26 28 16 16-0325		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0289)			
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,048.86		225.09
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,474.13		300.15
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,332.97		337.63
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,891.72		514.47
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,315.93		831.10
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	24,503.00		1,200.49
26 28 16 16-0332		Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0288)			
26 28 16 16-0333		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)			
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,808.31		129.66
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,201.29		180.35
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,142.27		207.45
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,747.71		331.40
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,463.46		551.82
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,985.76		751.75
26 28 16 16-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)			
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,056.42		143.02
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,507.84		202.27
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,720.82		230.53
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,531.72		360.18
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,882.52		592.78
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,068.08		829.80
26 28 16 16-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)			
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,886.64		168.81
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,280.99		234.94
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,380.73		270.08
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,591.72		432.14

MINOR CSI UOM DESCRIPTION				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,525.47		720.37
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,890.78		982.28
26 28 16 16-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)			
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,142.86		186.31
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,630.48		263.59
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,860.07		300.15
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,750.78		469.74
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,476.86		771.71
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,076.71		1,080.43
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)			
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,593.67		168.81
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,110.29		234.94
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,996.64		270.08
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,673.50		432.14
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)			
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,950.89		186.31
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,544.80		263.59
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,979.00		300.15
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,149.96		469.74
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0288)			
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0371)			
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,431.79		224.95
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,912.21		300.15
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,030.17		337.76
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,151.38		514.73
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0371)			
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,213.39		186.05
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,684.28		263.86
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,645.68		300.15
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,034.02		470.00
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0288)			
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0382)			
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,923.84		224.95
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,462.81		300.15
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,071.43		337.76

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0382)		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,678.95	186.05
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,205.61	263.86
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,645.12	300.15
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches (26 28 16 16-0001) Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy-Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches (26 28 16 16-0391) Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,104.07	259.32
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,505.27	308.71
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,887.32	348.52
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	8,247.17	540.28
26 28 16 16-0397		Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0391)		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,411.96	308.71
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,822.57	348.52
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,188.11	540.28
26 28 16 16-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)		
26 28 16 16-0402		Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0401) Note: With fuses and neutral bar.		
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	688.57	129.66
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	899.08	156.23
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,226.57	182.82
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,068.63	287.83
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,413.18	447.31
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,966.82	661.25
26 28 16 16-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,080.70	143.92
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,114.48	173.74
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,604.96	202.91
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,511.04	320.25
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,477.05	496.59
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	10,832.64	734.51
26 28 16 16-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)		
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	957.16	203.56
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,325.79	270.34
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,809.33	300.15
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,689.46	470.00
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,278.10	771.45
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,472.37	1,080.68

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 28 16 16-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)			
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,274.48		224.95
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,443.55		300.15
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,127.27		337.76
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,096.04		514.73
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,487.41		831.10
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,203.53		1,200.62
26 28 16 16-0431		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)			
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,022.77		203.56
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,370.86		270.34
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,950.80		300.15
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,867.08		470.00
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,753.66		771.45
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,793.65		1,080.68
26 28 16 16-0438		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0402)			
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,350.55		224.95
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,646.46		300.15
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,266.79		337.76
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,362.33		514.73
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,918.56		831.10
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,558.59		1,200.62
26 28 16 16-0445		Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0401)			
26 28 16 16-0446		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)			
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	720.50		187.36
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	955.45		261.26
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,266.98		300.15
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,806.88		480.37
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,974.40		800.62
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,293.99		1,091.71
26 28 16 16-0453		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)			
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	803.09		206.80
26 28 16 16-0455	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,061.90		293.03
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,412.10		333.22
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,963.21		521.87
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,208.25		857.68
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,954.05		1,200.62
26 28 16 16-0460		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)			

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	927.89	168.56	
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,220.46	234.67	
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,626.17	270.34	
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,319.92	432.40	
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,891.81	720.24	
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,723.62	982.15	
26 28 16 16-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)					
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	907.73	186.05	
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,319.63	263.86	
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,741.56	300.15	
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,290.08	470.00	
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,910.37	771.45	
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	9,198.96	1,080.68	
26 28 16 16-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)					
26 28 16 16-0475	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,115.59	168.56	
26 28 16 16-0476	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,327.21	234.67	
26 28 16 16-0477	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,063.47	270.34	
26 28 16 16-0478	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,272.01	432.40	
26 28 16 16-0479	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,924.52	551.04	
26 28 16 16-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0445)					
26 28 16 16-0481	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,158.82	186.05	
26 28 16 16-0482	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,446.45	263.86	
26 28 16 16-0483	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,204.42	300.15	
26 28 16 16-0484	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,361.62	470.00	
26 28 16 16-0485	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,299.27	726.08	
26 28 16 16-0486 Double Throw Safety Switches (26 28 16 16-0001)					
26 28 16 16-0487 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)					
26 28 16 16-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)					
26 28 16 16-0489	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	864.34	166.60	
26 28 16 16-0490	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,276.77	217.82	
26 28 16 16-0491	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,790.81	284.60	
26 28 16 16-0492	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,388.02	370.16	
26 28 16 16-0493	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,760.91	462.88	
26 28 16 16-0494	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,480.57	742.28	
26 28 16 16-0495	EA	800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,023.36	1,037.25	
26 28 16 16-0496	EA	1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,718.07	1,166.91	
26 28 16 16-0497	EA	1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,876.81	1,296.57	
26 28 16 16-0498 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)					
26 28 16 16-0499	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,090.75	233.38	
26 28 16 16-0500	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,522.51	304.69	
26 28 16 16-0501	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,291.65	398.69	
26 28 16 16-0502	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,365.00	518.62	
26 28 16 16-0503	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,938.48	648.28	
26 28 16 16-0504	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,077.77	1,037.25	
26 28 16 16-0505	EA	800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,967.80	1,166.91	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0506	EA	1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	18,546.58	1,296.57
26 28 16 16-0507	EA	1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	21,988.58	1,426.22
26 28 16 16-0508	EA	1,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	25,469.47	1,685.53
26 28 16 16-0509	EA	2,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	28,988.68	1,944.85
26 28 16 16-0510	EA	2,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	39,473.60	2,204.16
26 28 16 16-0511	EA	3,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	43,356.73	2,463.47
26 28 16 16-0512 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)				
26 28 16 16-0513	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,449.26	291.72
26 28 16 16-0514	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,108.38	381.19
26 28 16 16-0515	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,741.29	497.88
26 28 16 16-0516	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,124.82	646.99
26 28 16 16-0517	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	10,327.34	810.35
26 28 16 16-0518	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	13,066.68	1,298.51
26 28 16 16-0519	EA	800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	16,537.12	1,426.22
26 28 16 16-0520	EA	1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	21,997.94	1,491.05
26 28 16 16-0521	EA	1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	24,674.29	1,555.88
26 28 16 16-0522	EA	1,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	30,116.38	1,815.19
26 28 16 16-0523	EA	2,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	34,653.59	2,074.51
26 28 16 16-0524	EA	2,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	49,223.28	2,333.81
26 28 16 16-0525	EA	3,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	54,424.74	2,593.13
26 28 16 16-0526 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)				
26 28 16 16-0527	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,474.53	217.82
26 28 16 16-0528	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,217.20	284.60
26 28 16 16-0529	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,268.20	370.16
26 28 16 16-0530	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,706.78	462.88
26 28 16 16-0531	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,391.72	742.28
26 28 16 16-0532	EA	800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	14,031.29	1,037.25
26 28 16 16-0533	EA	1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	19,256.49	1,166.91
26 28 16 16-0534	EA	1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	22,705.18	1,296.57
26 28 16 16-0535 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)				
26 28 16 16-0536	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	1,648.08	304.69
26 28 16 16-0537	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,444.73	398.69
26 28 16 16-0538	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,563.87	518.62
26 28 16 16-0539	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,077.30	648.28
26 28 16 16-0540	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,983.50	1,037.25
26 28 16 16-0541	EA	800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	14,031.20	1,166.91
26 28 16 16-0542	EA	1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	19,306.26	1,296.57
26 28 16 16-0543	EA	1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	23,902.21	1,426.22
26 28 16 16-0544	EA	1,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	28,894.73	1,685.53
26 28 16 16-0545	EA	2,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	32,879.01	1,944.85
26 28 16 16-0546	EA	2,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	39,473.54	2,204.16
26 28 16 16-0547	EA	3,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	47,199.70	2,463.47
26 28 16 16-0548 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)				
26 28 16 16-0549	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,232.15	381.19
26 28 16 16-0550	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,920.36	497.88
26 28 16 16-0551	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,494.63	646.99
26 28 16 16-0552	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	11,115.71	810.35
26 28 16 16-0553	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	13,949.65	1,298.51
26 28 16 16-0554	EA	800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	17,905.59	1,426.22
26 28 16 16-0555	EA	1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	23,899.53	1,491.05
26 28 16 16-0556	EA	1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch.....	26,830.54	1,555.88

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 28 16 16-0557	EA	1,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	32,764.98		1,815.19
26 28 16 16-0558	EA	2,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	37,704.05		2,074.51
26 28 16 16-0559	EA	2,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	53,678.85		2,333.81
26 28 16 16-0560	EA	3,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	59,348.59		2,593.13
26 28 16 16-0561		NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)			
26 28 16 16-0562		240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0561)			
26 28 16 16-0563	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,239.13		284.60
26 28 16 16-0564	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,139.74		370.16
26 28 16 16-0565	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	16,845.86		462.88
26 28 16 16-0566	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	29,014.74		742.28
26 28 16 16-0567		240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0561)			
26 28 16 16-0568	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,934.54		398.04
26 28 16 16-0569	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,739.75		517.98
26 28 16 16-0570	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,366.39		648.28
26 28 16 16-0571	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,867.90		1,039.20
26 28 16 16-0572		240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0561)			
26 28 16 16-0573	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,829.79		291.85
26 28 16 16-0574	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,508.79		380.93
26 28 16 16-0575	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,920.80		497.75
26 28 16 16-0576	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,117.17		647.25
26 28 16 16-0577	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,089.26		810.35
26 28 16 16-0578	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,097.28		1,298.64
26 28 16 16-0579		600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0561)			
26 28 16 16-0580	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,899.42		217.82
26 28 16 16-0581	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,891.74		284.60
26 28 16 16-0582	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,266.44		370.16
26 28 16 16-0583	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,137.28		462.88
26 28 16 16-0584	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,545.23		742.28
26 28 16 16-0585		600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0561)			
26 28 16 16-0586	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,150.86		304.69
26 28 16 16-0587	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,241.79		398.04
26 28 16 16-0588	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,800.28		517.98
26 28 16 16-0589	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,992.65		648.28
26 28 16 16-0590	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,770.98		1,039.20
26 28 16 16-0591		600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0561)			
26 28 16 16-0592	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,537.46		380.93
26 28 16 16-0593	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,933.95		497.75
26 28 16 16-0594	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,299.74		647.25
26 28 16 16-0595	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	12,067.70		810.35
26 28 16 16-0596	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,216.10		1,298.64
26 28 16 16-0597		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)			
26 28 16 16-0598		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)			
26 28 16 16-0599	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,265.65		166.73
26 28 16 16-0600	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,565.94		217.69
26 28 16 16-0601	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,902.84		284.47
26 28 16 16-0602	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,990.93		369.91
26 28 16 16-0603	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,460.40		463.01
26 28 16 16-0604	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,939.76		742.02
26 28 16 16-0605		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)			
26 28 16 16-0606	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,602.93		233.38
26 28 16 16-0607	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,078.37		304.69
26 28 16 16-0608	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,652.58		398.04
26 28 16 16-0609	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,093.10		517.98

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0610	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,287.56	648.28
26 28 16 16-0611	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	12,269.82	1,039.20
26 28 16 16-0612		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)		
26 28 16 16-0613	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,889.78	291.85
26 28 16 16-0614	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,550.45	380.93
26 28 16 16-0615	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,239.19	497.75
26 28 16 16-0616	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,476.04	647.25
26 28 16 16-0617	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	15,696.72	810.35
26 28 16 16-0618	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	19,498.48	1,298.64
26 28 16 16-0619		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)		
26 28 16 16-0620	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,386.24	217.69
26 28 16 16-0621	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,559.95	284.47
26 28 16 16-0622	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,752.05	369.91
26 28 16 16-0623	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,744.77	463.01
26 28 16 16-0624	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,082.78	742.02
26 28 16 16-0625		600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)		
26 28 16 16-0626	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,715.67	304.69
26 28 16 16-0627	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,945.05	398.04
26 28 16 16-0628	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,363.84	517.98
26 28 16 16-0629	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,579.11	648.28
26 28 16 16-0630	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	14,283.70	1,039.20
26 28 16 16-0631		600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)		
26 28 16 16-0632	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,597.18	380.93
26 28 16 16-0633	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,583.92	497.75
26 28 16 16-0634	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,679.23	647.25
26 28 16 16-0635	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	16,134.07	810.35
26 28 16 16-0636	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	20,078.19	1,298.64
26 28 16 16-0637		Removal And Reinstallation Of Disconnect (Safety) Switches (26 28 16 16-0001)		
		Note: Includes storage and cleaning.		
26 28 16 16-0638	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	648.28	
26 28 16 16-0639	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	842.80	
26 28 16 16-0640	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	940.08	
26 28 16 16-0641	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	1,102.15	
26 28 16 16-0642		Bolted Contact Switches (26 28 16 16)		
		Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0643		Electrical Trip, Bolted Contact Switches (26 28 16 16-0642)		
26 28 16 16-0644		Top Feed, Electrical Trip, Bolted Contact Switches (26 28 16 16-0643)		
26 28 16 16-0645	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	10,486.43	1,296.57
26 28 16 16-0646	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	11,343.72	1,555.88
26 28 16 16-0647	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	12,337.76	1,815.19
26 28 16 16-0648	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	13,019.21	2,074.51
26 28 16 16-0649	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	14,703.60	2,333.81
26 28 16 16-0650	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	18,458.99	2,593.13
26 28 16 16-0651	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	24,901.72	3,111.76
26 28 16 16-0652		Bottom Feed, Electrical Trip, Bolted Contact Switches (26 28 16 16-0643)		
26 28 16 16-0653	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	11,118.16	1,296.57
26 28 16 16-0654	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	12,099.18	1,555.88
26 28 16 16-0655	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	13,086.71	1,815.19
26 28 16 16-0656	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	14,093.79	2,074.51
26 28 16 16-0657	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	15,862.84	2,333.81
26 28 16 16-0658	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	20,634.21	2,593.13
26 28 16 16-0659	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	27,168.11	3,111.76
26 28 16 16-0660		Manually Operated, Bolted Contact Switches (26 28 16 16-0642)		
26 28 16 16-0661		Top Feed, Manually Operated, Bolted Contact Switches (26 28 16 16-0660)		
26 28 16 16-0662	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	7,646.93	1,296.57
26 28 16 16-0663	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	8,538.08	1,555.88
26 28 16 16-0664	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	9,482.62	1,815.19
26 28 16 16-0665	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	10,419.37	2,074.51
26 28 16 16-0666	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	11,421.23	2,333.81
26 28 16 16-0667	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	15,176.63	2,593.13

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 28 16 16-0668 EA 4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480) 21,541.20 3,111.76

26 28 16 16-0669 Bottom Feed, Manually Operated, Bolted Contact Switches (26 28 16 16-0660)

26 28 16 16-0670	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	8,065.04	1,296.57
26 28 16 16-0671	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	9,169.80	1,555.88
26 28 16 16-0672	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	10,094.81	1,815.19
26 28 16 16-0673	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	11,228.23	2,074.51
26 28 16 16-0674	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	12,437.20	2,333.81
26 28 16 16-0675	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	17,189.03	2,593.13
26 28 16 16-0676	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	23,651.29	3,111.76

26 29 Low-Voltage Controllers (26 20)
26 29 13 Enclosed Controllers (26 29)
26 29 13 13 Across-The-Line Motor Controllers (26 29 13)
26 29 13 13-0001 Manual Motor Starters (26 29 13 13)
26 29 13 13-0002 Fractional HP Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	249.58	64.92
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.34	
		For Oversized Enclosure, Add	33.41	
		For Pilot Light, Add	49.00	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	326.96	84.40
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.34	
		For Oversized Enclosure, Add	33.41	
		For Pilot Light, Add	49.00	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	282.98	64.92
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.34	
		For Oversized Enclosure, Add	33.41	
		For Pilot Light, Add	49.00	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	360.37	84.40
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-3.34	
		For Oversized Enclosure, Add	33.41	
		For Pilot Light, Add	49.00	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	264.05	64.92
		For Oversized Enclosure, Add	33.41	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	345.89	84.40
		For Oversized Enclosure, Add	33.41	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	536.12	77.91
		For Pilot Light, Add	128.06	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	616.84	97.39
		For Pilot Light, Add	128.06	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	569.52	77.91
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	646.90	97.39

26 29 13 13-0013 Non-Reversing Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0014	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	200.78	64.92
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	16.12	
		For Pilot Light, Add	77.36	
26 29 13 13-0015	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	328.92	84.40
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	16.12	
		For Pilot Light, Add	77.36	
26 29 13 13-0016	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	226.65	71.42
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	16.12	
		For Pilot Light, Add	77.36	
26 29 13 13-0017	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	355.86	90.90
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	16.12	
		For Pilot Light, Add	77.36	
26 29 13 13-0018	EA	NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	231.94	64.92
		Note: NEMA 1 or flush cover plate installation.		
		For Oversize Enclosure, Add	16.12	
		For Pilot Light, Add	77.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0019	EA		NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.	361.15	84.40
			For Oversize Enclosure, Add	16.12	
			For Pilot Light, Add	77.36	
26 29 13 13-0020	EA		NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	493.22	77.91
			For Pilot Light, Add	122.49	
26 29 13 13-0021	EA		NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	609.53	97.39
			For Pilot Light, Add	122.49	
26 29 13 13-0022	EA		NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	520.18	84.40
			For Pilot Light, Add	122.49	
26 29 13 13-0023	EA		NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	633.26	103.88
			For Pilot Light, Add	122.49	
26 29 13 13-0024	EA		NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	523.30	77.91
26 29 13 13-0025	EA		NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	648.21	97.39
26 29 13 13-0026	EA		Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	146.77	45.45
			For Pilot Light, Add	77.36	
26 29 13 13-0027	EA		Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	274.91	64.92
			For Pilot Light, Add	77.36	
26 29 13 13-0028	EA		Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	172.65	51.95
			For Pilot Light, Add	77.36	
26 29 13 13-0029	EA		Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	300.79	71.42
			For Pilot Light, Add	77.36	
26 29 13 13-0030 Reversing Manual Motor Starters (26 29 13 13-0001)					
26 29 13 13-0031	EA		NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	542.12	116.87
			For Pilot Light, Add	124.64	
26 29 13 13-0032	EA		NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	785.50	155.83
			For Pilot Light, Add	124.64	
26 29 13 13-0033 Two Speed Manual Motor Starters (26 29 13 13-0001)					
26 29 13 13-0034	EA		NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	542.12	116.87
26 29 13 13-0035	EA		NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	785.50	155.83
26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)					
26 29 13 13-0037	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	497.71	77.91
26 29 13 13-0038	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	497.71	77.91
26 29 13 13-0039	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	1,031.45	90.90
26 29 13 13-0040	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	1,031.45	90.90
26 29 13 13-0041	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,347.70	90.90
26 29 13 13-0042	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	633.91	90.90
26 29 13 13-0043	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	425.34	58.43
26 29 13 13-0044	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	590.88	84.40
26 29 13 13-0045	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	590.88	84.40
26 29 13 13-0046	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCV11).....	1,234.86	97.39
26 29 13 13-0047	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,234.86	97.39
26 29 13 13-0048	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,575.60	97.39
26 29 13 13-0049	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	727.08	97.39
26 29 13 13-0050	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	518.51	64.92
26 29 13 13-0051	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	776.45	90.90
26 29 13 13-0052	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	776.45	90.90
26 29 13 13-0053	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	1,468.33	103.88
26 29 13 13-0054	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,468.33	103.88

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,794.60	103.88
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	916.01	103.88
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	707.43	71.42
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	616.29	97.39
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	616.29	97.39
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,150.04	110.38
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	1,150.04	110.38
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	1,475.20	110.38
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	753.61	110.38
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	547.27	77.91
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	709.45	103.88
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	709.45	103.88
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	1,353.45	116.87
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	1,353.45	116.87
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,701.99	116.87
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	845.67	116.87
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	637.10	84.40

26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	1,440.29	136.35
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	1,440.29	136.35
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	1,267.72	97.39
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,703.44	149.34
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,530.87	110.38

26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)

26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,440.29	136.35
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,267.72	97.39
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,703.44	149.34
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,530.87	110.38

26 29 13 13-0083 Magnetic Motor Starters (26 29 13 13)**26 29 13 13-0084 Non-Reversing, Magnetic Contactors** (26 29 13 13-0084)**26 29 13 13-0085 Open Enclosure, Non-Reversing, Magnetic Contactors** (26 29 13 13-0084)

26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11)	579.30	129.86
		For Factory Installed Accessory, Deduct	-259.71	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12)	652.05	142.84
		For Factory Installed Accessory, Deduct	-285.69	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5)	626.07	129.86
		For Factory Installed Accessory, Deduct	-259.71	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1)	699.93	142.84
		For Factory Installed Accessory, Deduct	-285.69	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2)	772.66	155.83
		For Factory Installed Accessory, Deduct	-311.65	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3)	976.41	194.78
		For Factory Installed Accessory, Deduct	-389.57	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4)	1,229.15	233.74
		For Factory Installed Accessory, Deduct	-467.48	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5)	730.00	142.84
		For Factory Installed Accessory, Deduct	-285.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0094	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1)	802.73	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0095	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2)	877.69	168.82
			<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0096	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3)	1,121.51	227.25
			<i>For Factory Installed Accessory, Deduct</i>	-454.49	
26 29 13 13-0097	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4)	1,373.13	266.21
			<i>For Factory Installed Accessory, Deduct</i>	-532.40	
26 29 13 13-0098	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1)	1,232.56	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0099	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2)	1,371.72	194.78
			<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0100	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3)	1,787.75	259.71
			<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0101	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1)	1,848.32	194.78
			<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0102	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2)	2,106.22	259.71
			<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0103	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3)	2,679.28	324.63
			<i>For Factory Installed Accessory, Deduct</i>	-649.27	
26 29 13 13-0104	EA		Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4)	3,824.69	389.57
			<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0105	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1)	4,170.32	324.63
			<i>For Factory Installed Accessory, Deduct</i>	-649.27	
26 29 13 13-0106	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2)	4,586.36	389.57
			<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0107	EA		Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3)	6,206.15	454.49
			<i>For Factory Installed Accessory, Deduct</i>	-908.98	
26 29 13 13-0108	EA		Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1)	8,409.19	389.57
			<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0109	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2)	9,335.92	519.41
			<i>For Factory Installed Accessory, Deduct</i>	-1,038.84	
26 29 13 13-0110	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2)	24,206.78	779.13
			<i>For Factory Installed Accessory, Deduct</i>	-1,558.25	
26 29 13 13-0111	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2)	34,661.58	1,168.69
			<i>For Factory Installed Accessory, Deduct</i>	-2,337.39	
26 29 13 13-0112 NEMA 1, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)					
26 29 13 13-0113	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11)	613.82	129.86
			<i>For Factory Installed Accessory, Deduct</i>	-259.71	
26 29 13 13-0114	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12)	686.57	142.84
			<i>For Factory Installed Accessory, Deduct</i>	-285.69	
26 29 13 13-0115	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5)	660.59	129.86
			<i>For Factory Installed Accessory, Deduct</i>	-259.71	
26 29 13 13-0116	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1)	735.57	142.84
			<i>For Factory Installed Accessory, Deduct</i>	-285.69	
26 29 13 13-0117	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2)	808.29	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0118	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3)	1,014.27	194.78
			<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0119	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4)	1,268.12	233.74
			<i>For Factory Installed Accessory, Deduct</i>	-467.48	
26 29 13 13-0120	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5)	766.74	142.84
			<i>For Factory Installed Accessory, Deduct</i>	-285.69	
26 29 13 13-0121	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1)	841.70	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0122	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2)	914.44	168.82
			<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0123	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3)	1,159.37	227.25
			<i>For Factory Installed Accessory, Deduct</i>	-454.49	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4).....	1,409.88	266.21
		<i>For Factory Installed Accessory, Deduct</i>	-532.40	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1).....	1,397.36	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2).....	1,537.64	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,952.55	259.71
		<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1).....	2,172.37	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2).....	2,429.15	259.71
		<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3).....	3,003.32	324.63
		<i>For Factory Installed Accessory, Deduct</i>	-649.27	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,841.79	324.63
		<i>For Factory Installed Accessory, Deduct</i>	-649.27	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2).....	5,257.84	389.57
		<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2).....	10,559.71	519.41
		<i>For Factory Installed Accessory, Deduct</i>	-1,038.84	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2).....	29,588.58	779.13
		<i>For Factory Installed Accessory, Deduct</i>	-1,558.25	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2).....	40,058.96	1,168.69
		<i>For Factory Installed Accessory, Deduct</i>	-2,337.39	

26 29 13 13-0136 NEMA 12, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)

26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1).....	925.98	142.84
		<i>For Factory Installed Accessory, Deduct</i>	-285.69	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2).....	998.71	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2).....	1,104.86	168.82
		<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1).....	1,744.79	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2).....	1,886.18	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1).....	2,584.38	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2).....	2,840.05	259.71
		<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2).....	6,621.94	389.57
		<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2).....	14,050.70	519.41
		<i>For Factory Installed Accessory, Deduct</i>	-1,038.84	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2).....	33,869.07	779.13
		<i>For Factory Installed Accessory, Deduct</i>	-1,558.25	

26 29 13 13-0147 NEMA 4/4X, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)

Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12).....	1,363.96	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11).....	1,412.95	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12).....	1,485.69	168.82
		<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13).....	1,730.62	227.25
		<i>For Factory Installed Accessory, Deduct</i>	-454.49	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12).....	2,680.15	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0153	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12)	4,046.03	259.71
			<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0154	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12)	8,018.33	389.57
			<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0155	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12)	14,050.70	519.41
			<i>For Factory Installed Accessory, Deduct</i>	-1,038.84	
26 29 13 13-0156	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2)	37,517.07	779.13
			<i>For Factory Installed Accessory, Deduct</i>	-1,558.25	
26 29 13 13-0157			NEMA 7/9, Non-Reversing, Magnetic Contactors (26 29 13 13-0084) Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2)	2,720.58	207.77
			<i>For Factory Installed Accessory, Deduct</i>	-415.53	
26 29 13 13-0159			Non-Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0160			Open Enclosure, Non-Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0161	EA		Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11)	689.54	129.86
			<i>For Factory Installed Accessory, Deduct</i>	-259.71	
26 29 13 13-0162	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12)	715.52	142.84
			<i>For Factory Installed Accessory, Deduct</i>	-285.69	
26 29 13 13-0163	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1)	770.09	142.84
			<i>For Factory Installed Accessory, Deduct</i>	-285.69	
26 29 13 13-0164	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2)	851.72	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0165	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4)	1,368.34	233.74
			<i>For Factory Installed Accessory, Deduct</i>	-467.48	
26 29 13 13-0166	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1)	876.22	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0167	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3)	1,028.02	168.82
			<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0168	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2)	1,074.79	168.82
			<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0169	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6)	1,333.89	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0170	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1)	1,515.37	194.78
			<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0171	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1)	2,343.41	259.71
			<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0172	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1)	4,951.61	389.57
			<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0173	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1)	11,230.07	519.41
			<i>For Factory Installed Accessory, Deduct</i>	-1,038.84	
26 29 13 13-0174	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2)	25,784.69	779.13
			<i>For Factory Installed Accessory, Deduct</i>	-1,558.25	
26 29 13 13-0175	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2)	37,147.03	1,168.69
			<i>For Factory Installed Accessory, Deduct</i>	-2,337.39	
26 29 13 13-0176			NEMA 1, Non-Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0177	EA		Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11)	726.29	129.86
			<i>For Factory Installed Accessory, Deduct</i>	-259.71	
26 29 13 13-0178	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12)	752.27	142.84
			<i>For Factory Installed Accessory, Deduct</i>	-285.69	
26 29 13 13-0179	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1)	806.83	142.84
			<i>For Factory Installed Accessory, Deduct</i>	-285.69	
26 29 13 13-0180	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2)	888.47	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0181	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1)	911.85	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3)	994.62	168.82
		<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2)	1,112.65	168.82
		<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6)	1,499.81	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1)	1,681.29	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1)	2,667.45	259.71
		<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1)	5,623.08	389.57
		<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1)	12,457.20	519.41
		<i>For Factory Installed Accessory, Deduct</i>	-1,038.84	

26 29 13 13-0189 NEMA 12, Non-Reversing, Magnetic Starters (26 29 13 13-0159)

26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1)	997.25	142.84
		<i>For Factory Installed Accessory, Deduct</i>	-285.69	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2)	1,078.89	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1)	1,102.27	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3)	1,185.03	168.82
		<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2)	1,303.07	168.82
		<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6)	1,848.35	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1)	2,028.72	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)	3,078.35	259.71
		<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)	6,986.07	389.57
		<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1)	15,944.85	519.41
		<i>For Factory Installed Accessory, Deduct</i>	-1,038.84	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2)	38,001.47	779.13
		<i>For Factory Installed Accessory, Deduct</i>	-1,558.25	

26 29 13 13-0201 NEMA 3R, Non-Reversing, Magnetic Starters (26 29 13 13-0159)

26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1)	997.25	142.84
		<i>For Factory Installed Accessory, Deduct</i>	-285.69	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2)	1,078.89	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1)	1,102.27	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3)	1,185.03	168.82
		<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2)	1,303.07	168.82
		<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6)	1,848.35	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1)	2,028.72	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1)	3,078.35	259.71
		<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1)	6,986.07	389.57
		<i>For Factory Installed Accessory, Deduct</i>	-779.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 29 13 13-0211			NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters (26 29 13 13-0159) Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4)	2,835.64	220.75
			<i>For Factory Installed Accessory, Deduct</i>	-441.50	
26 29 13 13-0213	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1)	3,483.72	220.75
			<i>For Factory Installed Accessory, Deduct</i>	-441.50	
26 29 13 13-0214	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3)	3,589.88	233.74
			<i>For Factory Installed Accessory, Deduct</i>	-467.48	
26 29 13 13-0215	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1)	5,560.46	259.71
			<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0216	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43)	6,705.88	324.63
			<i>For Factory Installed Accessory, Deduct</i>	-649.27	
26 29 13 13-0217	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41)	10,683.74	454.49
			<i>For Factory Installed Accessory, Deduct</i>	-908.98	
26 29 13 13-0218			NEMA 4/4X, Non-Reversing, Magnetic Starters (26 29 13 13-0159) Note: Brushed stainless steel enclosure.		
26 29 13 13-0219	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11)	1,361.38	142.84
			<i>For Factory Installed Accessory, Deduct</i>	-285.69	
26 29 13 13-0220	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12)	1,444.13	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0221	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11)	1,483.11	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0222	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13)	1,565.87	168.82
			<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0223	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12)	1,683.90	168.82
			<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0224	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16)	2,640.09	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0225	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11)	4,283.22	259.71
			<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0226	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11)	8,381.35	389.57
			<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0227	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11)	18,627.39	519.41
			<i>For Factory Installed Accessory, Deduct</i>	-1,038.84	
26 29 13 13-0228			NEMA 4X, Non-Reversing, Magnetic Starters (26 29 13 13-0159) Note: Glass polyester enclosure.		
26 29 13 13-0229	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21)	2,823.79	194.78
			<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0230	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21)	5,225.28	259.71
			<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0231	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21)	10,283.30	389.57
			<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0232			NEMA 7/9, Non-Reversing, Magnetic Starters (26 29 13 13-0159) Note: Bolted cast iron enclosure.		
26 29 13 13-0233	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1)	2,743.97	207.77
			<i>For Factory Installed Accessory, Deduct</i>	-415.53	
26 29 13 13-0234	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2)	2,835.64	220.75
			<i>For Factory Installed Accessory, Deduct</i>	-441.50	
26 29 13 13-0235	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1)	2,875.72	220.75
			<i>For Factory Installed Accessory, Deduct</i>	-441.50	
26 29 13 13-0236	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3)	2,962.95	233.74
			<i>For Factory Installed Accessory, Deduct</i>	-467.48	
26 29 13 13-0237	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2)	3,098.80	233.74
			<i>For Factory Installed Accessory, Deduct</i>	-467.48	
26 29 13 13-0238	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1)	4,553.81	259.71
			<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0239			Reversing, Magnetic Starters (26 29 13 13-0083)		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)

26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,298.62	168.82
		<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,368.77	168.82
		<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,515.00	181.79
		<i>For Factory Installed Accessory, Deduct</i>	-363.59	
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,572.16	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,611.14	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,723.95	207.77
		<i>For Factory Installed Accessory, Deduct</i>	-415.53	
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,796.32	227.25
		<i>For Factory Installed Accessory, Deduct</i>	-454.49	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,836.41	227.25
		<i>For Factory Installed Accessory, Deduct</i>	-454.49	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	3,135.14	259.71
		<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	5,124.21	389.57
		<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	11,780.84	584.35
		<i>For Factory Installed Accessory, Deduct</i>	-1,168.69	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	21,946.27	779.13
		<i>For Factory Installed Accessory, Deduct</i>	-1,558.25	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	71,061.86	1,428.41
		<i>For Factory Installed Accessory, Deduct</i>	-2,856.80	

26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)

26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,339.46	155.83
		<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,398.84	168.82
		<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,438.92	168.82
		<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,581.82	181.79
		<i>For Factory Installed Accessory, Deduct</i>	-363.59	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,641.20	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,681.29	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,824.17	207.77
		<i>For Factory Installed Accessory, Deduct</i>	-415.53	
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,896.54	227.25
		<i>For Factory Installed Accessory, Deduct</i>	-454.49	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,936.63	227.25
		<i>For Factory Installed Accessory, Deduct</i>	-454.49	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	3,395.71	259.71
		<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	5,575.20	389.57
		<i>For Factory Installed Accessory, Deduct</i>	-779.13	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	12,609.32	584.35
		<i>For Factory Installed Accessory, Deduct</i>	-1,168.69	

26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)

26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,926.27	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,966.36	194.78
		<i>For Factory Installed Accessory, Deduct</i>	-389.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0270	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	2,221.70	227.25
			<i>For Factory Installed Accessory, Deduct</i>	-454.49	
26 29 13 13-0271	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	3,872.32	259.71
			<i>For Factory Installed Accessory, Deduct</i>	-519.41	
26 29 13 13-0272			NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)		
			Note: Brushed stainless steel enclosure.		
26 29 13 13-0273	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,409.55	194.78
			<i>For Factory Installed Accessory, Deduct</i>	-389.57	
26 29 13 13-0274	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,839.73	207.77
			<i>For Factory Installed Accessory, Deduct</i>	-415.53	
26 29 13 13-0275			Magnetic Contactor/Starters Accessories (26 29 13 13-0083)		
26 29 13 13-0276	EA		NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	179.77	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0277	EA		NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	305.49	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0278	EA		NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	179.77	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0279	EA		NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	305.49	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0280	EA		NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	305.49	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0281	EA		Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	151.68	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0282	EA		External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	135.18	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0283	EA		External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	179.77	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0284	EA		External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	151.68	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0285	EA		External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	202.63	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0286	EA		30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	226.60	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0287	EA		45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	390.41	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0288	EA		60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	414.54	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0289	EA		30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	495.96	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0290	EA		45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	865.49	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0291	EA		60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	865.49	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0292	EA		Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	52.63	9.74
			<i>For Factory Installed Accessory, Deduct</i>	-19.48	
26 29 13 13-0293	EA		1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	107.24	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0294	EA		2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	141.68	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0295	EA		Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	111.20	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0296	EA		Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	61.78	9.74
			<i>For Factory Installed Accessory, Deduct</i>	-19.48	
26 29 13 13-0297	EA		Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	37.65	9.74
			<i>For Factory Installed Accessory, Deduct</i>	-19.48	
26 29 13 13-0298	EA		1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	197.40	12.99
			<i>For Factory Installed Accessory, Deduct</i>	-25.97	
26 29 13 13-0299	EA		2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	341.04	16.23
			<i>For Factory Installed Accessory, Deduct</i>	-32.47	
26 29 13 13-0300			Definite Purpose Starters (26 29 13 13)		
26 29 13 13-0301			Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)		
26 29 13 13-0302	EA		Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13).....	642.37	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0303	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	641.26	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0304	EA		Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	693.96	168.82
			<i>For Factory Installed Accessory, Deduct</i>	-337.62	
26 29 13 13-0305	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	682.46	155.83
			<i>For Factory Installed Accessory, Deduct</i>	-311.65	
26 29 13 13-0306	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	741.84	168.82
			<i>For Factory Installed Accessory, Deduct</i>	-337.62	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	718.10	155.83	
		<i>For Factory Installed Accessory, Deduct</i>	-311.65		
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	833.88	194.78	
		<i>For Factory Installed Accessory, Deduct</i>	-389.57		
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	926.30	194.78	
		<i>For Factory Installed Accessory, Deduct</i>	-389.57		
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	1,164.94	227.25	
		<i>For Factory Installed Accessory, Deduct</i>	-454.49		
26 29 13 13-0311 NEMA 1, Definite Purpose Starter (26 29 13 13-0300)					
26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	655.39	142.84	
		<i>For Factory Installed Accessory, Deduct</i>	-285.69		
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	708.07	155.83	
		<i>For Factory Installed Accessory, Deduct</i>	-311.65		
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	705.85	155.83	
		<i>For Factory Installed Accessory, Deduct</i>	-311.65		
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	761.88	168.82	
		<i>For Factory Installed Accessory, Deduct</i>	-337.62		
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	748.16	155.83	
		<i>For Factory Installed Accessory, Deduct</i>	-311.65		
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	808.65	168.82	
		<i>For Factory Installed Accessory, Deduct</i>	-337.62		
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	786.02	155.83	
		<i>For Factory Installed Accessory, Deduct</i>	-311.65		
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	900.69	194.78	
		<i>For Factory Installed Accessory, Deduct</i>	-389.57		
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	989.77	194.78	
		<i>For Factory Installed Accessory, Deduct</i>	-389.57		
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	1,229.52	227.25	
		<i>For Factory Installed Accessory, Deduct</i>	-454.49		
26 29 13 13-0322 Definite Purpose Starter Accessory (26 29 13 13-0300)					
26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory	202.63	16.23	
		Note: Or Hand-Off-Auto Selector Switch Kit			
		<i>For Factory Installed Accessory, Deduct</i>	-32.47		
26 29 13 13-0324 Panel Mounted Miniature Contactor (26 29 13 13)					
26 29 13 13-0325 Non-Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)					
26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	193.33	64.92	
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	226.36	71.42	
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	226.36	71.42	
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	251.60	77.91	
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	213.38	64.92	
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	224.51	64.92	
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	245.29	71.42	
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	256.42	71.42	
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	251.97	71.42	
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	256.42	71.42	
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	273.87	77.91	

				Electrical		26	26
				Low-Voltage Electrical Distribution		26 20	
				Low-Voltage Controllers		26 29	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT		DEMOLITION	
				UNIT COST		UNIT COST	
26 29 13 13-0337	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	263.10		71.42	
26 29 13 13-0338	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	285.00		77.91	
26 29 13 13-0339	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	265.33		71.42	
26 29 13 13-0340	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	265.33		71.42	
26 29 13 13-0341	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	296.14		77.91	
26 29 13 13-0342	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	296.14		77.91	
26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)							
26 29 13 13-0344	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	274.62		64.92	
26 29 13 13-0345	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	296.89		64.92	
26 29 13 13-0346	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	328.80		71.42	
26 29 13 13-0347	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	328.80		71.42	
26 29 13 13-0348	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	351.07		71.42	
26 29 13 13-0349	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	368.52		77.91	
26 29 13 13-0350	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	368.52		77.91	
26 29 13 13-0351	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	315.82		64.92	
26 29 13 13-0352	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	338.09		64.92	
26 29 13 13-0353	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	367.78		71.42	
26 29 13 13-0354	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	390.05		71.42	
26 29 13 13-0355	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	414.17		77.91	
26 29 13 13-0356	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	436.45		77.91	
26 29 13 13-0357	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	355.53		71.42	
26 29 13 13-0358	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	407.87		71.42	
26 29 13 13-0359	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	460.94		77.91	
26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories (26 29 13 13-0324)							
26 29 13 13-0361	EA		2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	82.40		32.47	
26 29 13 13-0362	EA		4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	91.00		32.47	
26 29 13 13-0363	EA		Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	106.57		32.47	
26 29 13 13-0364	EA		Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	137.54		32.47	
26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole (26 29 13 13)							
26 29 13 13-0366 NEMA 1 Enclosure (26 29 13 13-0365)							
26 29 13 13-0367	EA		Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	7,774.17		622.36	
26 29 13 13-0368	EA		Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	13,540.48		829.80	
26 29 13 13-0369	EA		Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	23,644.06		985.39	
26 29 13 13-0370	EA		Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	57,508.13		1,205.80	
26 29 13 13-0371	EA		Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	91,703.46		1,542.91	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 29 13 13-0372		NEMA 12 Enclosure (26 29 13 13-0365)			
26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	7,720.00		635.57
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	13,441.55		831.10
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	23,463.48		982.28
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	57,049.12		1,200.49
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	90,965.34		1,543.56
26 29 13 13-0378		Factory Modifications Pilot Devices (26 29 13 13-0365)			
26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	191.52		
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	211.22		
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	359.54		
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	195.35		
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	280.89		
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	140.44		
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	458.40		
26 29 13 13-0386		Factory Modifications Meters (26 29 13 13-0365)			
26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,842.64		
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,779.73		
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	629.19		
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	521.35		
26 29 13 13-0391		Factory Modifications Main Circuit Breakers (26 29 13 13-0365)			
26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,435.31		
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	4,453.89		
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	9,473.85		
26 29 13 13-0395		Factory Modifications Addition (26 29 13 13-0365)			
Note: For reversing service auto transformer type.					
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99		
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99		
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99		
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99		
26 29 13 13-0400		Combination Starters Non-Reversing (26 29 13 13)			
26 29 13 13-0401		240-600 Volt, 3-Pole (26 29 13 13-0400)			
26 29 13 13-0402		NEMA 1 With Disconnect (Safety) Switch (26 29 13 13-0401)			
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,884.98		298.21
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,294.85		466.76
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,226.37		544.56
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,922.39		674.21
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,050.43		1,076.15
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	18,169.56		1,348.43
26 29 13 13-0409		NEMA 1 With Circuit Breaker (26 29 13 13-0401)			
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,393.22		298.21
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,803.09		466.76
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,720.49		544.56
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,190.63		674.21
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,589.26		1,076.15
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	22,249.60		1,348.43
26 29 13 13-0416		Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)			
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	231.45		
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	543.62		
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	375.19		
26 29 13 13-0420		NEMA 4 With Disconnect (Safety) Switch (26 29 13 13-0401)			
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,440.37		388.97
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,791.08		544.56
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,435.85		596.42
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,654.81		726.08
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	13,709.29		1,076.15

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	30,056.73	1,348.43
26 29 13 13-0427		NEMA 4 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,948.61	388.97
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,299.32	544.56
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,929.98	596.42
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,923.05	726.08
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	15,248.13	1,076.15
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	28,461.42	1,348.43
26 29 13 13-0434		Factory Modifications For NEMA 4 Enclosure (26 29 13 13-0401)		
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	231.48	
26 29 13 13-0436	EA	H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	543.62	
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	375.19	
26 29 13 13-0438		NEMA 12 With Disconnect (Safety) Switch (26 29 13 13-0401)		
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,949.21	300.15
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,362.61	469.74
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,333.66	540.28
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,100.97	675.26
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	9,394.89	1,080.55
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	18,942.96	1,350.50
26 29 13 13-0445		NEMA 12 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,556.09	300.15
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,972.37	469.74
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,960.31	540.28
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,539.44	675.26
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	11,354.87	1,080.55
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	24,025.33	1,350.50
26 29 13 13-0452		Factory Modifications For NEMA 12 Enclosure (26 29 13 13-0401)		
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	229.55	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	539.10	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	372.06	
26 29 13 13-0456		NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,498.15	622.36
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,092.86	829.80
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	6,646.51	1,140.98
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	9,863.08	1,555.88
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	14,846.35	2,178.23
26 29 13 13-0462		Factory Modifications For NEMA 7 Or 9 Enclosure (26 29 13 13-0401)		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,376.45	
26 29 13 13-0464	EA	H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,376.45	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,376.45	
26 29 13 13-0466		Combination Starters Reversing (26 29 13 13)		
26 29 13 13-0467		240-600 Volt, 3 Pole (26 29 13 13-0466)		
26 29 13 13-0468		NEMA 1 With Disconnect (Safety) Switch (26 29 13 13-0467)		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,331.32	388.97
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,713.96	544.56
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,930.98	596.42
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	5,965.20	726.08
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	11,637.25	1,076.15
26 29 13 13-0474		NEMA 1 With Circuit Breaker (26 29 13 13-0467)		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,599.48	388.97
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,000.21	544.56
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,266.08	596.42
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,503.85	726.08
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	12,543.65	1,076.15
26 29 13 13-0480		NEMA 12 With Disconnect (Safety) Switch (26 29 13 13-0467)		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,487.26	400.25
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,880.34	540.28
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	4,209.09	600.31
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	6,426.05	720.37
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	12,602.47	1,080.55

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 29 13 13-0486		NEMA 12 With Circuit Breaker (26 29 13 13-0467)			
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,782.74		400.25
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,195.75		540.28
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,578.33		600.31
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,917.72		720.37
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	13,601.19		1,080.55
26 29 13 13-0492		NEMA 7 Or 9 With Circuit Breaker (26 29 13 13-0467)			
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,460.39		829.80
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	5,877.22		1,037.25
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	8,440.37		1,348.43
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	13,402.11		1,763.32
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	24,405.66		2,385.68
26 29 13 13-0498		Solid State Motor Controllers (26 29 13 13)			
26 29 13 13-0499		Adjustable Voltage Drives, DC Motors (26 29 13 13-0498)			
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,845.35		233.38
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	2,220.59		233.38
26 29 13 13-0502		Removal And Reinstallation Of Motor Starters (26 29 13 13)			
		Note: Includes storage and cleaning.			
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	926.11		
26 29 13 13-0504		Auxiliary Devices (26 29 13 13)			
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact	551.47		129.66
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact.....	551.47		129.66
26 29 13 13-0507	EA	Pilot Light Kit.....	580.95		129.66
26 29 23		Variable-Frequency Motor Controllers (26 29)			
26 29 23 00-0001		208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives (26 29 23)			
		Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.			
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	2,251.82		479.89
		For 6-Pulse Drive Package, Deduct		-710.56	
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	2,531.45		524.49
		For 6-Pulse Drive Package, Deduct		-818.03	
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,935.00		576.71
		For 6-Pulse Drive Package, Deduct		-979.86	
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	3,082.22		554.35
		For 6-Pulse Drive Package, Deduct		-1,085.44	
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	3,306.44		604.40
		For 6-Pulse Drive Package, Deduct		-1,153.71	
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	3,565.05		604.40
		For 6-Pulse Drive Package, Deduct		-1,295.95	
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	4,259.32		721.65
		For 6-Pulse Drive Package, Deduct		-1,548.82	
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	4,632.87		721.65
		For 6-Pulse Drive Package, Deduct		-1,754.27	
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	6,138.58		1,086.58
		For 6-Pulse Drive Package, Deduct		-2,180.99	
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	7,173.04		1,086.58
		For 6-Pulse Drive Package, Deduct		-2,749.94	
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	8,777.38		1,443.41
		For 6-Pulse Drive Package, Deduct		-3,239.87	
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	10,070.45		1,443.41
		For 6-Pulse Drive Package, Deduct		-3,951.06	
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	11,191.12		1,443.41
		For 6-Pulse Drive Package, Deduct		-4,567.43	
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	14,740.90		1,824.66
		For 6-Pulse Drive Package, Deduct		-6,100.44	
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	17,765.04		2,158.53
		For 6-Pulse Drive Package, Deduct		-7,396.39	
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	20,063.84		2,158.53
		For 6-Pulse Drive Package, Deduct		-8,660.73	
26 29 23 00-0018		460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives (26 29 23)			
		Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.			
26 29 23 00-0019	EA	3 HP, 460/480 Volt Variable Frequency Drive	5,290.01		863.44
		Note: Wall mounted.			
		For 6-Pulse Drive Package, Deduct		-1,959.73	
26 29 23 00-0020	EA	5 HP, 460/480 Volt Variable Frequency Drive	5,462.42		863.44
		Note: Wall mounted.			
		For 6-Pulse Drive Package, Deduct		-2,054.55	
26 29 23 00-0021	EA	7.5 HP, 460/480 Volt Variable Frequency Drive	5,994.17		1,028.80
		Note: Wall mounted.			
		For 6-Pulse Drive Package, Deduct		-2,165.19	
26 29 23 00-0022	EA	10 HP, 460/480 Volt Variable Frequency Drive	6,022.90		1,028.80
		Note: Wall mounted.			
		For 6-Pulse Drive Package, Deduct		-2,180.99	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0023	EA	15 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted. For 6-Pulse Drive Package, Deduct	8,119.28 -2,749.94	1,559.70
26 29 23 00-0024	EA	20 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted. For 6-Pulse Drive Package, Deduct	8,521.57 -2,971.20	1,559.70
26 29 23 00-0025	EA	25 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted. For 6-Pulse Drive Package, Deduct	10,293.09 -3,397.91	2,057.59
26 29 23 00-0026	EA	30 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted. For 6-Pulse Drive Package, Deduct	11,729.85 -4,188.13	2,057.59
26 29 23 00-0027	EA	40 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted. For 6-Pulse Drive Package, Deduct	13,224.07 -5,009.95	2,057.59
26 29 23 00-0028	EA	50 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted. For 6-Pulse Drive Package, Deduct	17,295.85 -6,637.79	2,613.64
26 29 23 00-0029	EA	60 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted. For 6-Pulse Drive Package, Deduct	22,980.13 -9,229.68	3,099.45
26 29 23 00-0030	EA	75 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted. For 6-Pulse Drive Package, Deduct	24,359.41 -9,988.29	3,099.45
26 29 23 00-0031	EA	100 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted. For 6-Pulse Drive Package, Deduct	28,171.26 -11,695.15	3,453.74
26 29 23 00-0032	EA	125 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted. For 6-Pulse Drive Package, Deduct	29,665.48 -12,516.97	3,453.74
26 29 23 00-0033	EA	150 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. For 6-Pulse Drive Package, Deduct	32,768.86 -14,223.83	3,453.74
26 29 23 00-0034	EA	200 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. For 6-Pulse Drive Package, Deduct	37,876.09 -16,246.77	4,168.26
26 29 23 00-0035	EA	250 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. For 6-Pulse Drive Package, Deduct	47,195.09 -21,167.58	4,354.29
26 29 23 00-0036	EA	300 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. For 6-Pulse Drive Package, Deduct	55,325.13 -24,932.79	4,996.39
26 29 23 00-0037	EA	350 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. For 6-Pulse Drive Package, Deduct	63,570.93 -29,003.33	5,418.74
26 29 23 00-0038	EA	400 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. For 6-Pulse Drive Package, Deduct	73,577.78 -34,031.61	5,851.13
26 29 23 00-0039	EA	450 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted. For 6-Pulse Drive Package, Deduct	79,307.90 -36,639.94	6,344.92

26 29 33 Controllers for Fire Pump Drivers (26 29)

26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers (26 29 33)

26 29 33 13-0001 Electric Controllers For Fire Pumps (26 29 33 13)

26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller (26 29 33 13-0001)

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	23,626.99	219.54
26 29 33 13-0004	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,749.89	243.93
26 29 33 13-0005	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	28,045.11	268.32
26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	31,979.26	292.72
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	33,786.40	341.50
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	36,001.94	439.07
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	39,021.31	487.86
26 29 33 13-0010	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	44,628.52	556.16
26 29 33 13-0011	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	53,792.58	600.07
26 29 33 13-0012	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	63,221.18	683.00
26 29 33 13-0013	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	75,441.12	731.79
26 29 33 13-0014	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	85,174.42	780.58

26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers (26 29 33)

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

26 30 Facility Electrical Power Generating and Storing Equipment (26)

26 31 Photovoltaic Collectors (26 30)

26 31 00 00-0001		Rigid Photovoltaic Modules (26 31)
26 31 00 00-0002		Sanyo Rigid Photovoltaic Modules (26 31 00 00-0001)

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 31 00 00-0003	EA 205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	2,265.03		123.17
	For >25 To 50, Deduct	-163.72		
	For >50 To 100, Deduct	-220.34		
	For >100, Deduct	-327.44		
26 31 00 00-0004	EA 210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	2,374.45		123.17
	For >25 To 50, Deduct	-171.93		
	For >50 To 100, Deduct	-231.29		
	For >100, Deduct	-343.85		
26 31 00 00-0005	EA 215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	2,222.10		123.17
	For >25 To 50, Deduct	-160.50		
	For >50 To 100, Deduct	-216.05		
	For >100, Deduct	-321.00		
26 31 00 00-0006 Sharp Rigid Photovoltaic Modules (26 31 00 00-0001)				
26 31 00 00-0007	EA 224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	1,772.30		123.17
	For >25 To 50, Deduct	-126.76		
	For >50 To 100, Deduct	-171.07		
	For >100, Deduct	-253.53		
26 31 00 00-0008	EA 230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	2,016.55		123.17
	For >25 To 50, Deduct	-145.08		
	For >50 To 100, Deduct	-195.50		
	For >100, Deduct	-290.17		
26 31 00 00-0009	EA 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	2,055.24		123.17
	For >25 To 50, Deduct	-147.98		
	For >50 To 100, Deduct	-199.37		
	For >100, Deduct	-295.97		
26 31 00 00-0010	EA 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,934.32		123.17
	For >25 To 50, Deduct	-138.92		
	For >50 To 100, Deduct	-187.27		
	For >100, Deduct	-277.83		
26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0001)				
Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.				
26 31 00 00-0012	EA 50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	872.57		123.17
	For >25 To 50, Deduct	-59.28		
	For >50 To 100, Deduct	-81.10		
	For >100, Deduct	-118.57		
26 31 00 00-0013	EA 75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	1,078.12		123.17
	For >25 To 50, Deduct	-74.70		
	For >50 To 100, Deduct	-101.65		
	For >100, Deduct	-149.40		
26 31 00 00-0014	EA 80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	1,160.35		123.17
	For >25 To 50, Deduct	-80.87		
	For >50 To 100, Deduct	-109.88		
	For >100, Deduct	-161.74		
26 31 00 00-0015 Photovoltaic Inverters (26 31)				
26 31 00 00-0016 Fronius Photovoltaic Inverters (26 31 00 00-0015)				
26 31 00 00-0017	EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	5,400.85		129.66
26 31 00 00-0018	EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	7,124.98		129.66
26 31 00 00-0019	EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	7,521.09		129.66
26 31 00 00-0020	EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1).....	8,409.82		129.66
26 31 00 00-0021	EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1).....	13,318.66		129.66
26 31 00 00-0022	EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1).....	15,482.52		129.66
26 31 00 00-0023	EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	12,604.90		259.32
26 31 00 00-0024	EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3).....	15,954.51		259.32
26 31 00 00-0025	EA Inverter Display Stand (Fronius 4,045,894).....	472.33		64.82
26 31 00 00-0026 SMA Photovoltaic Inverters (26 31 00 00-0015)				
26 31 00 00-0027	EA 4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	4,010.05		129.66
26 31 00 00-0028	EA 5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	4,813.99		129.66
26 31 00 00-0029	EA 6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	5,563.22		129.66
26 31 00 00-0030	EA 7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	6,135.19		129.66
26 31 00 00-0031	EA 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	5,942.52		129.66
26 31 00 00-0032 PVPowered Photovoltaic Inverters (26 31 00 00-0015)				
26 31 00 00-0033	EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100).....	4,963.23		129.66
26 31 00 00-0034	EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	5,190.98		129.66
26 31 00 00-0035	EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	5,735.66		129.66
26 31 00 00-0036	EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	6,800.66		162.07
26 31 00 00-0037	EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	8,291.51		194.48
26 31 00 00-0038	EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	8,360.85		194.48
26 31 00 00-0039	EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	8,822.31		194.48
26 31 00 00-0040	EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	105,209.17		1,037.25
26 31 00 00-0041	EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	105,348.45		1,037.25
26 31 00 00-0042	EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	113,998.54		1,037.25
26 31 00 00-0043	EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	105,680.83		1,037.25

26 31 00 00-0044 Solectria Photovoltaic Inverters (26 31 00 00-0015)			
26 31 00 00-0045	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	16,543.36
26 31 00 00-0046	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	16,543.36
26 31 00 00-0047	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	17,027.32
26 31 00 00-0048	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	17,027.32
26 31 00 00-0049	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	51,834.83
26 31 00 00-0050	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	49,414.99
26 31 00 00-0051	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	56,674.52
26 31 00 00-0052	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	55,330.16
26 31 00 00-0053	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	60,169.85
26 31 00 00-0054	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	57,481.13
26 31 00 00-0055	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	63,377.19
26 31 00 00-0056	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	60,419.60
26 31 00 00-0057	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	65,797.03
26 31 00 00-0058	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	62,301.70
26 31 00 00-0059 Xantrex Photovoltaic Inverters (26 31 00 00-0015)			
26 31 00 00-0060	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	691.76
26 31 00 00-0061	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210).....	754.04
26 31 00 00-0062	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220).....	1,211.67
26 31 00 00-0063 Photovoltaic DC-DC Converters (26 31)			
26 31 00 00-0064	EA	15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20)	406.78
		Note: Hazardous locations.	
26 31 00 00-0065	EA	20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	271.36
26 31 00 00-0066	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	755.02
26 31 00 00-0067 Photovoltaic Combiner Boxes (26 31)			
26 31 00 00-0068 Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0067)			
26 31 00 00-0069	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3).....	487.67
26 31 00 00-0070	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6).....	475.13
26 31 00 00-0071	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12).....	755.94
26 31 00 00-0072	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	760.33
26 31 00 00-0073	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16).....	1,167.14
26 31 00 00-0074 SMA Photovoltaic Combiner Boxes (26 31 00 00-0067)			
26 31 00 00-0075	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6).....	1,079.59
26 31 00 00-0076	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,293.31
26 31 00 00-0077	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,504.92
26 31 00 00-0078	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,758.92
26 31 00 00-0079	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	963.93
26 31 00 00-0080 Photovoltaic Charge Controller (26 31)			
26 31 00 00-0081	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	324.56
26 31 00 00-0082	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	433.38
26 31 00 00-0083	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	505.93
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	387.44
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC)	1,343.53
26 31 00 00-0086 Photovoltaic Batteries (26 31)			
26 31 00 00-0087 Concorde Photovoltaic Batteries (26 31 00 00-0086)			
26 31 00 00-0088	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	299.83
26 31 00 00-0089	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	378.03
26 31 00 00-0090	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	409.66
26 31 00 00-0091	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	469.18
26 31 00 00-0092	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	534.41
26 31 00 00-0093	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	634.36
26 31 00 00-0094	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	727.52
26 31 00 00-0095	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	719.08
26 31 00 00-0096	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	1,319.09
26 31 00 00-0097	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	1,525.62
26 31 00 00-0098 Deka Photovoltaic Batteries (26 31 00 00-0086)			
26 31 00 00-0099	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	314.00
26 31 00 00-0100	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	432.50
26 31 00 00-0101	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	638.06
26 31 00 00-0102	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	729.95
26 31 00 00-0103	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	732.37
26 31 00 00-0104	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	1,419.17
26 31 00 00-0105	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	1,641.65

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 31 Photovoltaic Collectors**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 31 00 00-0106 Battery Enclosures (26 31 00 00-0086)			
26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	355.02 32.42
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	1,740.80 32.47
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	1,636.82 32.47
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	2,180.93 32.47
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	971.78 32.47
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	2,284.92 32.47

26 31 00 00-0113 Photovoltaic System Monitoring (26 31)			
26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203).....	749.23 64.82
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	1,550.26 32.42
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	1,295.20 32.42
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	238.50 32.42
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA).....	589.82 64.82
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA).....	1,524.87 32.42
26 31 00 00-0120	EA	RS 485 Module (SMA).....	346.29 32.42
26 31 00 00-0121	EA	RS 232 Module (SMA).....	355.02 32.42
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam).....	665.82 32.42
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA).....	359.72 32.42
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA).....	357.29 32.42
26 31 00 00-0125	EA	Bluetooth Repeater (SMA).....	675.35 32.42
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA).....	320.98 9.72
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered).....	6,202.94 32.42
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010).....	673.93 32.42
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108).....	676.43 32.42
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311).....	220.78 32.42
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	400.91 32.42
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	339.00 32.42
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102).....	1,335.11 32.42
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103).....	868.02 32.42
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105).....	1,507.48 32.42
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122).....	2,591.34 32.42
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109).....	695.28 32.42
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z).....	495.72 32.42
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z).....	326.44 32.42
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104).....	1,394.45 32.42
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188).....	153.46 32.42
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188).....	483.44 32.42
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190).....	538.56 32.42
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027).....	283.05 64.82

26 31 00 00-0145 Photovoltaic System Accessories (26 31)			
26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	1,027.41 64.82
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF).....	2,239.91 129.66
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA).....	171.80 9.72
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA).....	258.86 9.72
26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	39.43 3.21
26 31 00 00-0151	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	42.35 3.21
26 31 00 00-0152	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	44.00 3.21
26 31 00 00-0153	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	48.57 3.21
26 31 00 00-0154	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	55.43 3.21
26 31 00 00-0155	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	88.01 6.41
26 31 00 00-0156	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	109.29 6.41
26 31 00 00-0157	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	143.43 9.63
26 31 00 00-0158	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	49.71 3.21
26 31 00 00-0159	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	69.14 3.21
26 31 00 00-0160	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	101.72 6.41
26 31 00 00-0161	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	136.00 6.41
26 31 00 00-0162	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	220.58 12.84
26 31 00 00-0163	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	230.26 12.84
26 31 00 00-0164	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery.....	4,103.27 350.07
		Note: Tamper proof enclosure.	

26 31 00 00-0165 Photovoltaic Mounting Systems (26 31)			
26 31 00 00-0166	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	13.99 3.24
26 31 00 00-0167	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229).....	40.00 16.20
26 31 00 00-0168	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216).....	50.77 16.20
26 31 00 00-0169	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046).....	26.85 6.48
		Note: Supports mounting rail above tile or metal roof.	
26 31 00 00-0170	EA	Mounting Rail Grounding Clip (UNIRAC 980006).....	12.73 4.86
		Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	
26 31 00 00-0171	EA	Mounting Rail Grounding Lugs (UNIRAC 980012).....	27.35 6.48
		Note: Two grounding lugs for each rail splice and one additional lug for each rail.	
26 31 00 00-0172	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002).....	7.33 2.16
		Note: Four for each row of modules you plan to mount.	
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008).....	7.68 2.16
		Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	
26 31 00 00-0174	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065).....	19.00 6.48
26 31 00 00-0175	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121).....	113.23 32.42
		Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0176	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	125.42	32.42
26 31 00 00-0177	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	135.24	32.42
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	166.31	48.62
26 31 00 00-0179	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	202.87	48.62
26 31 00 00-0180	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	236.05	48.62
26 31 00 00-0181	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	259.67	64.82
26 31 00 00-0182	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	347.02	64.82
26 31 00 00-0183	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	487.67	97.24
26 31 00 00-0184	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	238.08	
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355)..... Note: Excludes ballast.	443.75	
26 31 00 00-0186	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	88.89	32.42
26 31 00 00-0187	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	90.01	32.42
26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	91.03	32.42
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	93.60	32.42
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	82.09	32.42
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	83.38	32.42
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	87.17	32.42
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	86.09	32.42
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	171.05	48.62
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	171.83	48.62
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	174.13	48.62
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	171.72	48.62
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	34.24	6.48
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	22.48	6.48
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	42.74	9.72
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	44.50	9.72
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)..... Note: Mid or end clamp.	12.45	2.16
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	56.87	6.48
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	2.90	

26 32 Packaged Generator Assemblies (26 30)

26 32 13 Engine Generators (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0779 for fuel reimbursement for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0758 for loadbank rental, 01 22 23 00-0779 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA	20 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	34,649.42	1,123.04
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
		For Single Phase, Add	1,292.65	
26 32 13 13-0003	EA	25 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	36,442.33	1,186.21
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0004	EA	30 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	38,261.46	1,252.89
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
		For Single Phase, Add	1,425.41	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 32 13 13-0005	EA	35 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	39,046.84	1,382.75
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0006	EA	40 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	39,846.38	1,516.11
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0007	EA	50 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	46,752.52	1,740.71
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0008	EA	60 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	50,375.97	2,000.41
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0009	EA	80 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	59,182.75	2,344.35
		For Weather Resistant Steel Diesel Generator Enclosure, Add	5,129.38	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	12,070.42	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	16,093.89	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	13,060.29	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,944.48	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,259.31	
26 32 13 13-0010	EA	100 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	63,616.62	2,723.37
		For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	
26 32 13 13-0011	EA	125 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	65,082.16	3,228.74
		For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	
26 32 13 13-0012	EA	150 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	71,948.77	3,558.63
		For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	
26 32 13 13-0013	EA	175 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	75,593.05	3,972.76
		For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	
26 32 13 13-0014	EA	200 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	80,336.12	4,351.78
		For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	
26 32 13 13-0015	EA	230 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	86,598.27	4,597.45
		For Weather Resistant Steel Diesel Generator Enclosure, Add	7,780.18	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	18,454.63	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	24,606.17	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,756.59	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	20,144.88	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	26,859.84	
26 32 13 13-0016	EA	250 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	90,256.27	4,786.96
		For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	
26 32 13 13-0017	EA	275 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	98,213.06	5,046.66
		For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0018 EA 300 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	100,356.98	5,271.28
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	
26 32 13 13-0019 EA 350 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	113,116.22	5,895.96
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	
26 32 13 13-0020 EA 400 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	121,771.16	6,457.48
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	
26 32 13 13-0021 EA 450 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	137,455.83	6,955.84
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	
26 32 13 13-0022 EA 500 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	144,565.34	7,412.07
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,456.40	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,869.88	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	74,493.17	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	61,196.04	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	68,293.77	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	91,058.36	
26 32 13 13-0023 EA 600 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	209,984.56	8,163.10
For Weather Resistant Steel Diesel Generator Enclosure, Add	103,073.17	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	124,124.18	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	165,498.90	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	121,234.12	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	144,602.80	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	192,803.73	
26 32 13 13-0024 EA 750 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	240,460.80	8,977.30
For Weather Resistant Steel Diesel Generator Enclosure, Add	103,073.17	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	124,124.18	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	165,498.90	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	121,234.12	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	144,602.80	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	192,803.73	
26 32 13 13-0025 EA 800 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	251,093.74	9,173.83
For Weather Resistant Steel Diesel Generator Enclosure, Add	103,073.17	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	124,124.18	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	165,498.90	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	121,234.12	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	144,602.80	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	192,803.73	
26 32 13 13-0026 EA 900 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	306,246.02	9,889.77
For Weather Resistant Steel Diesel Generator Enclosure, Add	103,073.17	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	124,124.18	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	165,498.90	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	121,234.12	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	144,602.80	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	192,803.73	
26 32 13 13-0027 EA 1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	342,093.80	10,528.51
For Weather Resistant Steel Diesel Generator Enclosure, Add	103,073.17	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	124,124.18	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	165,498.90	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	121,234.12	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	144,602.80	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	192,803.73	
26 32 13 13-0028 Diesel Particulate Filters (26 32 13 13)		
26 32 13 13-0029 EA Up To 50 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure	37,298.04	
Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.		
26 32 13 13-0030 EA >50 To 75 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure.....	48,758.40	
Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.		
26 32 13 13-0031 EA >75 To 100 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure.....	59,078.70	
Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.		
26 32 13 13-0032 EA >100 To 200 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure.....	72,471.58	
Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.		
26 32 13 13-0033 EA >200 To 500 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure.....	85,188.17	
Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.		
26 32 13 13-0034 EA >500 To 1,000 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure.....	106,419.01	
Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.		

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)**26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) (26 32 13 19)**

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0758 for loadbank rental, 01 22 23 00-0779 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002	EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA).....	15,469.32	940.54
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	5,052.81	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	8,383.09	
26 32 13 19-0003	EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB).....	17,480.57	1,123.04
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	5,052.81	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	8,383.09	
26 32 13 19-0004	EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC).....	20,174.45	1,249.39
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	5,052.81	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	8,383.09	
26 32 13 19-0005	EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA).....	22,884.14	1,382.75
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	14,292.39	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0006	EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB).....	25,680.19	1,516.11
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	14,292.39	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0007	EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC).....	27,831.26	1,635.43
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	14,292.39	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0008	EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE).....	30,473.66	2,000.41
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	14,292.39	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0009	EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF).....	32,710.03	2,239.06
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,665.25	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	12,070.42	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	16,093.89	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	14,292.39	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0010	EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG).....	42,875.32	2,393.48
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,502.70	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	18,454.63	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	24,606.17	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,756.59	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0011	EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH).....	51,643.32	2,695.29
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,502.70	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	18,454.63	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	24,606.17	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,756.59	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0012	EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA).....	59,163.17	3,228.74
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,502.70	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	18,454.63	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	24,606.17	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,756.59	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0013	EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB).....	70,287.52	3,558.63
	For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	8,502.70	
	For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	18,454.63	
	For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	24,606.17	
	For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,756.59	
	For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	23,988.92	
26 32 13 19-0014	EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA).....	113,495.28	9,465.69
	For Weather Resistant Steel Natural Gas Generator Enclosure, Add	45,374.87	
	For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	50,228.52	
	For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	66,971.36	
	For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	49,611.87	
	For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	74,447.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0015	EA		205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	128,818.31 45,374.87 50,228.52 66,971.36 49,611.87 74,447.71	4,274.57
26 32 13 19-0016	EA		250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	138,544.45 45,374.87 50,228.52 66,971.36 49,611.87 74,447.71	4,786.96
26 32 13 19-0017	EA		300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	179,073.25 45,374.87 50,228.52 66,971.36 49,611.87 74,447.71	5,271.28
26 32 13 19-0018	EA		350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	192,240.67 45,374.87 50,228.52 66,971.36 49,611.87 74,447.71	5,895.96
26 32 13 19-0019	EA		450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGB)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	269,936.89 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	6,955.84
26 32 13 19-0020	EA		500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	345,074.38 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	7,412.07
26 32 13 19-0021	EA		550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	386,074.75 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	7,812.15
26 32 13 19-0022	EA		600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	439,671.03 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	8,163.10
26 32 13 19-0023	EA		650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	459,714.64 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	8,471.94
26 32 13 19-0024	EA		725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	486,257.05 99,077.80 105,269.42 140,359.22 112,535.23 159,051.30	9,054.51
26 32 13 19-0025			Small Natural Gas Or Propane Air-Cooled Generator Sets (26 32 13 19)		
26 32 13 19-0026	EA		7.5 KW Natural Gas Or Propane Air-Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	5,248.99	598.38
26 32 13 19-0027	EA		10 KW Natural Gas Or Propane Air-Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,617.52	664.87
26 32 13 19-0028	EA		14 KW Natural Gas Or Propane Air-Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,631.79	731.36
26 32 29			Rotary Converters (26 32)		
26 32 29 00-0001			60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output (26 32 29)		
26 32 29 00-0002	EA		3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	10,139.70	259.32
26 32 29 00-0003	EA		5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	12,352.79	259.32
26 32 29 00-0004	EA		7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	16,366.94	259.32
26 32 29 00-0005	EA		10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	16,495.76	259.32
26 32 29 00-0006	EA		15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	18,309.95	324.14
26 32 29 00-0007	EA		20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	19,830.55	324.14
26 32 29 00-0008	EA		25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	20,765.63	324.14
26 32 29 00-0009	EA		40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	25,285.73	427.86
26 32 29 00-0010	EA		50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	28,104.78	427.86
26 32 29 00-0011			60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output (26 32 29)		
26 32 29 00-0012	EA		3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	11,741.86	259.32
26 32 29 00-0013	EA		5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	14,003.50	259.32
26 32 29 00-0014	EA		7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	16,018.34	259.32

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 32 29 00-0015	EA	10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,463.07	259.32
26 32 29 00-0016	EA	15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,646.41	324.14
26 32 29 00-0017	EA	20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,507.83	324.14
26 32 29 00-0018	EA	25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,185.11	324.14
26 32 29 00-0019	EA	40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,185.23	427.86
26 32 29 00-0020	EA	50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	26,718.94	427.86

26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)

26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	29,306.33	4,913.30
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	32,471.28	4,913.30
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	36,916.75	7,019.01
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	43,109.32	7,019.01
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	48,955.28	7,019.01
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	57,431.32	10,528.51
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	69,555.00	10,528.51

26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)

26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	101,899.00	14,038.01
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	111,023.31	14,038.01
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	133,580.72	18,249.41
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	151,829.49	22,180.06
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	179,921.39	22,180.06
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	255,252.41	33,129.70
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	263,987.66	33,129.70
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	304,053.74	38,604.52

26 33 Battery Equipment (26 30)**26 33 13 Batteries (26 33)****26 33 13 00-0001 Standby Batteries (26 33 13)**

26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,242.03	32.47
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,341.78	32.47
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	372.05	32.47
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	338.27	32.47
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	579.13	32.47
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	672.46	32.47

26 33 43 Battery Chargers (26 33)**26 33 43 00-0001 Solid State Chargers, Single Phase (26 33 43)**

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,539.40	740.38
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,132.88	740.38
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,549.85	740.38
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,813.42	876.61

26 33 53 Static Uninterruptible Power Supply (26 33)**26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)****26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)****26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)**

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 KVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120)	1,125.56	128.36
Note: Includes 12 minutes of battery backup at full load.				
26 33 53 00-0005	EA	0.7 KVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120)	1,343.04	149.75
Note: Includes 6 minutes of battery backup at full load.				
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120)	1,649.98	171.14
Note: Includes 5 minutes of battery backup at full load.				
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120)	2,008.93	192.54
Note: Includes 5 minutes of battery backup at full load.				
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120)	2,564.46	213.93
Note: Includes 4 minutes of battery backup at full load.				
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120)	4,094.72	256.72
Note: Includes 4 minutes of battery backup at full load.				

26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0011 EA 3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	4,021.24	256.72
26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013 EA 5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	6,181.46	342.30
26 33 53 00-0014 EA 6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	6,764.25	385.08
26 33 53 00-0015 EA 8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	10,072.02	470.65
26 33 53 00-0016 EA 10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	11,566.76	513.44
26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002) Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018 EA 0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,343.04	149.75
26 33 53 00-0019 EA 1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,649.98	171.14
26 33 53 00-0020 EA 1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	2,030.64	192.54
26 33 53 00-0021 EA 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,569.69	213.93
26 33 53 00-0022 EA 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	4,111.03	256.72
26 33 53 00-0023 EA 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	5,936.08	342.30
26 33 53 00-0024 EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	7,274.42	385.08
26 33 53 00-0025 EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	11,215.98	513.44
26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems (26 33 53 00-0001)		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	722.54	38.90
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	943.27	38.90
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	918.70	38.90
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	627.46	38.90
26 33 53 00-0031 EA Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT) Note: Rack mount or tower configuration.	964.11	128.36
26 33 53 00-0032 EA Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT) Note: Rack mount or tower configuration.	1,093.76	171.14
26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)		
26 33 53 00-0034 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery (26 33 53 00-0033) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035 EA 10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	43,140.11	513.44
26 33 53 00-0036 EA 15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	47,776.99	684.58
26 33 53 00-0037 EA 20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	53,418.30	855.73
26 33 53 00-0038 EA 30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS) Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.	57,954.73	1,026.88

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 33 53 00-0039 EA 40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)..... 69,723.19 1,198.03

26 33 53 00-0040 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (26 33 53 00-0033)

Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.

 26 33 53 00-0041 EA 60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 94,627.93 2,042.09
 26 33 53 00-0042 EA 80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 102,968.84 2,528.30
 26 33 53 00-0043 EA 100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 113,908.12 2,949.69
 26 33 53 00-0044 EA 120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 140,571.67 3,338.66
 26 33 53 00-0045 EA 140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 145,986.47 3,727.62
 26 33 53 00-0046 EA 160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 151,741.04 4,116.60
 26 33 53 00-0047 EA 180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 158,700.96 4,505.56
 26 33 53 00-0048 EA 200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 165,660.88 4,894.53

26 33 53 00-0049 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (26 33 53 00-0033)

Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.

 26 33 53 00-0050 EA 50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 88,322.31 1,685.53
 26 33 53 00-0051 EA 100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 114,510.79 2,962.65
 26 33 53 00-0052 EA 150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 156,419.55 3,422.93
 26 33 53 00-0053 EA 200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 184,187.98 3,760.04
 26 33 53 00-0054 EA 250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)..... 215,371.54 4,149.01

26 33 53 00-0055 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems (26 33 53 00-0033)

 26 33 53 00-0056 EA Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems..... 652.43 64.82
 26 33 53 00-0057 EA Network Interface Card For Three Phase Uninterruptible Power Supply Systems..... 1,039.69 64.82
 26 33 53 00-0058 EA Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems..... 2,031.35 129.66
 26 33 53 00-0059 EA Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems..... 6,382.54 518.62
 26 33 53 00-0060 EA 12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)..... 656.47 64.82
 26 33 53 00-0061 EA 12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)..... 358.45 64.82
 26 33 53 00-0062 EA 12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)..... 401.94 64.82
 26 33 53 00-0063 EA 12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)..... 445.43 64.82
 26 33 53 00-0064 EA 12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)..... 523.70 64.82
 26 33 53 00-0065 EA 12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)..... 549.80 64.82
 26 33 53 00-0066 EA 12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)..... 684.61 64.82
 26 33 53 00-0067 EA 12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)..... 717.23 64.82

26 33 53 00-0068 Other Uninterruptable Power Supply Equipment (26 33 53)

 26 33 53 00-0069 EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In..... 6,428.83 118.46
 26 33 53 00-0070 EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In..... 7,733.32 236.92
 26 33 53 00-0071 EA 1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel..... 33.43 7.11
 26 33 53 00-0072 EA 2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel..... 60.47 8.88
 26 33 53 00-0073 EA 2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel..... 113.85 8.88
 26 33 53 00-0074 EA 3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel..... 166.75 11.85
 26 33 53 00-0075 EA 3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel..... 237.21 11.85
 26 33 53 00-0076 EA Uninterrupted Power Supply Remote Status Panel..... 4,400.44 118.46
 26 33 53 00-0077 EA Uninterrupted Power Supply Remote Contact Board..... 1,458.75 88.84

26 35 Power Filters and Conditioners (26 30)

26 35 33 Power Factor Correction Equipment (26 35)

26 35 33 16 Low-Voltage Power Factor Correction Equipment (26 35 33)

26 35 33 16-0001 Power Factor Correction Capacitors (26 35 33 16)

 26 35 33 16-0002 EA Power Factor Correction Capacitors, 2.0 KVAC..... 889.52
 26 35 33 16-0003 EA Power Factor Correction Capacitors, 3.0 KVAC..... 985.17
 26 35 33 16-0004 EA Power Factor Correction Capacitors, 4.0 KVAC..... 1,080.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 35 33 16-0005	EA		Power Factor Correction Capacitors, 5.0 KVAC	1,172.64	
26 35 33 16-0006	EA		Power Factor Correction Capacitors, 7.5 KVAC	1,440.45	
26 35 33 16-0007	EA		Power Factor Correction Capacitors, 10.0 KVAC	1,759.91	
26 35 33 16-0008	EA		Power Factor Correction Capacitors, 15.0 KVAC	2,718.30	
26 35 33 16-0009	EA		Power Factor Correction Capacitors, 20.0 KVAC	3,301.74	
26 35 33 16-0010	EA		Power Factor Correction Capacitors, 25.0 KVAC	4,265.87	
26 35 33 16-0011	EA		Power Factor Correction Capacitors, 30.0 KVAC	4,851.23	
26 35 33 16-0012	EA		Power Factor Correction Capacitors, 50.0 KVAC	8,512.61	
26 35 33 16-0013	EA		Power Factor Correction Capacitors, 75.0 KVAC	12,799.52	
26 35 33 16-0014	EA		Power Factor Correction Capacitors, 100.0 KVAC	17,067.31	
26 35 33 16-0015	EA		Power Factor Correction Capacitors, Fuse Kit.....	791.96	

26 35 43 Static-Frequency Converters (26 35)

26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)

26 35 43 00-0002	EA		750W Output Rotary Phase Converter With NEMA 1 Enclosure	745.26	129.66
26 35 43 00-0003	EA		2KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,296.55	155.59
26 35 43 00-0004	EA		3KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,486.71	207.45
26 35 43 00-0005	EA		5KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,040.93	259.32
26 35 43 00-0006	EA		7KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,810.56	337.11
26 35 43 00-0007	EA		11KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,631.36	414.90
26 35 43 00-0008	EA		15KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,554.50	492.70
26 35 43 00-0009	EA		21KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,554.04	557.52
26 35 43 00-0010	EA		29KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,452.64	674.21
26 35 43 00-0011	EA		36KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,388.74	758.49
26 35 43 00-0012	EA		44KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	8,324.84	842.77
26 35 43 00-0013	EA		55KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	10,337.94	1,017.80
26 35 43 00-0014	EA		74KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	13,439.27	1,225.25
26 35 43 00-0015	EA		87KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	17,041.05	1,491.05
26 35 43 00-0016	EA		110KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	19,491.18	1,743.88
26 35 43 00-0017	EA		125KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	25,112.47	1,944.85
26 35 43 00-0018	EA		165KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	38,423.61	2,204.16
26 35 43 00-0019	EA		220KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	57,363.44	2,463.47

26 35 53 Voltage Regulators (26 35)

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.					
26 35 53 00-0002	EA		50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,602.87	2,061.54
26 35 53 00-0003	EA		75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,675.66	2,593.13
26 35 53 00-0004	EA		100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	9,663.52	3,085.83

26 36 Transfer Switches (26 30)

26 36 13 Manual Transfer Switches (26 36)

26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)

26 36 13 00-0002	EA		30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,454.22	226.90
26 36 13 00-0003	EA		60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,694.45	281.87

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 13)

26 36 13 00-0005	EA		40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	3,698.63	332.43
			For NEMA 3R Enclosure, Add	1,193.86	
			For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0006	EA		70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	4,094.29	398.92
			For NEMA 3R Enclosure, Add	1,193.86	
			For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0007	EA		125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	4,645.75	465.41
			For NEMA 3R Enclosure, Add	1,193.86	
			For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0008	EA		150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	5,773.72	531.89
			For NEMA 3R Enclosure, Add	1,404.54	
			For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0009	EA		225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	7,153.53	598.38
			For NEMA 3R Enclosure, Add	1,404.54	
			For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0010	EA		260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	8,043.65	664.87
			For NEMA 3R Enclosure, Add	1,404.54	
			For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0011	EA		300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	8,947.94	731.36
			For NEMA 3R Enclosure, Add	1,657.35	
			For NEMA 12 Enclosure, Add	1,404.54	
26 36 13 00-0012	EA		400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	10,512.81	797.85
			For NEMA 3R Enclosure, Add	1,657.35	
			For NEMA 12 Enclosure, Add	1,404.54	
26 36 13 00-0013	EA		600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	13,910.72	997.31
			For NEMA 3R Enclosure, Add	1,657.35	
			For NEMA 12 Enclosure, Add	1,404.54	
26 36 13 00-0014	EA		800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	15,641.10	1,196.77
			For NEMA 3R Enclosure, Add	2,036.56	
			For NEMA 12 Enclosure, Add	1,966.35	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	20,838.95	1,684.56
		<i>For NEMA 3R Enclosure, Add</i>	2,036.56	
		<i>For NEMA 12 Enclosure, Add</i>	1,966.35	

26 36 23 Automatic Transfer Switches (26 36)

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

(00-0001)

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	3,321.30	465.41
		<i>For Level 2 Controller, Add</i>	185.26	
		<i>For Level 3 Controller, Add</i>	382.48	
		<i>For Level 4 Controller, Add</i>	555.79	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	4,522.67	598.38
		<i>For Level 2 Controller, Add</i>	257.76	
		<i>For Level 3 Controller, Add</i>	532.14	
		<i>For Level 4 Controller, Add</i>	773.27	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	7,208.16	797.85
		<i>For Level 2 Controller, Add</i>	434.97	
		<i>For Level 3 Controller, Add</i>	898.00	
		<i>For Level 4 Controller, Add</i>	1,304.90	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	11,760.34	997.31
		<i>For Level 2 Controller, Add</i>	756.84	
		<i>For Level 3 Controller, Add</i>	1,562.52	
		<i>For Level 4 Controller, Add</i>	2,270.53	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)

(00-0001)

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	5,534.85	332.43
		<i>For Level 2 Controller, Add</i>	377.42	
		<i>For Level 3 Controller, Add</i>	779.20	
		<i>For Level 4 Controller, Add</i>	1,132.27	
		<i>For NEMA 3R Enclosure, Add</i>	1,193.86	
		<i>For NEMA 4 Enclosure, Add</i>	1,264.08	
		<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	6,387.62	398.92
		<i>For Level 2 Controller, Add</i>	433.21	
		<i>For Level 3 Controller, Add</i>	894.36	
		<i>For Level 4 Controller, Add</i>	1,299.62	
		<i>For NEMA 3R Enclosure, Add</i>	1,193.86	
		<i>For NEMA 4 Enclosure, Add</i>	1,264.08	
		<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0010	EA	100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100).....	6,702.63	432.16
		<i>For Level 2 Controller, Add</i>	452.47	
		<i>For Level 3 Controller, Add</i>	934.13	
		<i>For Level 4 Controller, Add</i>	1,357.40	
		<i>For NEMA 3R Enclosure, Add</i>	1,193.86	
		<i>For NEMA 4 Enclosure, Add</i>	1,264.08	
		<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0011	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	7,017.63	465.41
		<i>For Level 2 Controller, Add</i>	471.73	
		<i>For Level 3 Controller, Add</i>	973.89	
		<i>For Level 4 Controller, Add</i>	1,415.18	
		<i>For NEMA 3R Enclosure, Add</i>	1,193.86	
		<i>For NEMA 4 Enclosure, Add</i>	1,264.08	
		<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0012	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	8,352.01	531.89
		<i>For Level 2 Controller, Add</i>	564.84	
		<i>For Level 3 Controller, Add</i>	1,166.11	
		<i>For Level 4 Controller, Add</i>	1,694.51	
		<i>For NEMA 3R Enclosure, Add</i>	1,404.54	
		<i>For NEMA 4 Enclosure, Add</i>	1,825.89	
		<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0013	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	9,538.30	598.38
		<i>For Level 2 Controller, Add</i>	646.47	
		<i>For Level 3 Controller, Add</i>	1,334.64	
		<i>For Level 4 Controller, Add</i>	1,939.41	
		<i>For NEMA 3R Enclosure, Add</i>	1,404.54	
		<i>For NEMA 4 Enclosure, Add</i>	1,825.89	
		<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0014	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	10,524.99	664.87
		<i>For Level 2 Controller, Add</i>	712.63	
		<i>For Level 3 Controller, Add</i>	1,471.24	
		<i>For Level 4 Controller, Add</i>	2,137.90	
		<i>For NEMA 3R Enclosure, Add</i>	1,404.54	
		<i>For NEMA 4 Enclosure, Add</i>	1,825.89	
		<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0015	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	10,991.47	731.36
		<i>For Level 2 Controller, Add</i>	738.48	
		<i>For Level 3 Controller, Add</i>	1,524.60	
		<i>For Level 4 Controller, Add</i>	2,215.44	
		<i>For NEMA 3R Enclosure, Add</i>	1,657.35	
		<i>For NEMA 4 Enclosure, Add</i>	1,966.35	
		<i>For NEMA 12 Enclosure, Add</i>	1,404.54	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0016	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	12,435.30	797.85
		For Level 2 Controller, Add	840.07	
		For Level 3 Controller, Add	1,734.34	
		For Level 4 Controller, Add	2,520.21	
		For NEMA 3R Enclosure, Add	1,657.35	
		For NEMA 4 Enclosure, Add	1,966.35	
		For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0017	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	17,057.78	997.31
		For Level 2 Controller, Add	1,167.40	
		For Level 3 Controller, Add	2,410.11	
		For Level 4 Controller, Add	3,502.19	
		For NEMA 3R Enclosure, Add	1,657.35	
		For NEMA 4 Enclosure, Add	1,966.35	
		For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0018	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	19,116.52	1,196.77
		For Level 2 Controller, Add	1,296.03	
		For Level 3 Controller, Add	2,675.68	
		For Level 4 Controller, Add	3,888.09	
		For NEMA 3R Enclosure, Add	2,036.56	
		For NEMA 4 Enclosure, Add	2,247.26	
		For NEMA 12 Enclosure, Add	1,966.35	
26 36 23 00-0019	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	24,901.54	1,684.56
		For Level 2 Controller, Add	1,668.76	
		For Level 3 Controller, Add	3,445.19	
		For Level 4 Controller, Add	5,006.29	
		For NEMA 3R Enclosure, Add	2,036.56	
		For NEMA 4 Enclosure, Add	2,247.26	
		For NEMA 12 Enclosure, Add	1,966.35	
26 36 23 00-0020	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	32,382.80	1,824.94
		For Level 2 Controller, Add	2,226.80	
		For Level 3 Controller, Add	4,597.27	
		For Level 4 Controller, Add	6,680.40	
		For NEMA 3R Enclosure, Add	4,494.50	
		For NEMA 4 Enclosure, Add	2,528.16	
		For NEMA 12 Enclosure, Add	2,106.80	
26 36 23 00-0021	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	34,495.98	2,105.71
		For Level 2 Controller, Add	2,347.05	
		For Level 3 Controller, Add	4,845.53	
		For Level 4 Controller, Add	7,041.16	
		For NEMA 3R Enclosure, Add	7,303.55	
		For NEMA 4 Enclosure, Add	8,988.98	
		For NEMA 12 Enclosure, Add	7,303.55	
26 36 23 00-0022	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	39,445.64	2,386.46
		For Level 2 Controller, Add	2,687.14	
		For Level 3 Controller, Add	5,547.64	
		For Level 4 Controller, Add	8,061.41	
		For NEMA 3R Enclosure, Add	7,303.55	
		For NEMA 4 Enclosure, Add	8,988.98	
		For NEMA 12 Enclosure, Add	7,303.55	
26 36 23 00-0023	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	47,628.61	2,947.99
		For Level 2 Controller, Add	3,234.28	
		For Level 3 Controller, Add	6,677.22	
		For Level 4 Controller, Add	9,702.84	
		For NEMA 3R Enclosure, Add	7,303.55	
26 36 23 00-0024	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	82,956.00	3,509.50
		For Level 2 Controller, Add	5,885.12	
		For Level 3 Controller, Add	12,149.92	
		For Level 4 Controller, Add	17,655.35	
		For NEMA 3R Enclosure, Add	13,539.65	
26 36 23 00-0025 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure				
		(26 36 23 00-0001)		
26 36 23 00-0026	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	27,375.84	2,526.51
		For NEMA 3R Enclosure, Add	2,457.94	
		For NEMA 4 Enclosure, Add	2,528.16	
		For NEMA 12 Enclosure, Add	1,334.32	
		For Level 2 Controller, Add	1,730.02	
		For Level 3 Controller, Add	3,571.65	
		For Level 4 Controller, Add	5,190.06	
26 36 23 00-0027	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	28,571.74	2,659.48
		For NEMA 3R Enclosure, Add	2,457.94	
		For NEMA 4 Enclosure, Add	2,528.16	
		For NEMA 12 Enclosure, Add	1,334.32	
		For Level 2 Controller, Add	1,802.09	
		For Level 3 Controller, Add	3,720.44	
		For Level 4 Controller, Add	5,406.27	
26 36 23 00-0028	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	29,950.31	2,792.46
		For NEMA 3R Enclosure, Add	2,457.94	
		For NEMA 4 Enclosure, Add	2,528.16	
		For NEMA 12 Enclosure, Add	1,334.32	
		For Level 2 Controller, Add	1,888.32	
		For Level 3 Controller, Add	3,898.46	
		For Level 4 Controller, Add	5,664.96	
26 36 23 00-0029	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	33,494.02	2,858.94
		For NEMA 3R Enclosure, Add	2,457.94	
		For NEMA 4 Enclosure, Add	2,528.16	
		For NEMA 12 Enclosure, Add	1,334.32	
		For Level 2 Controller, Add	2,152.65	
		For Level 3 Controller, Add	4,444.18	
		For Level 4 Controller, Add	6,457.95	

26 Electrical**26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 36 23 00-0030	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	38,753.36	2,925.43
		For NEMA 3R Enclosure, Add	2,457.94	
		For NEMA 4 Enclosure, Add	2,528.16	
		For NEMA 12 Enclosure, Add	1,334.32	
		For Level 2 Controller, Add	2,549.94	
		For Level 3 Controller, Add	5,264.40	
		For Level 4 Controller, Add	7,649.83	
26 36 23 00-0031	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	46,648.43	3,058.40
		For NEMA 3R Enclosure, Add	2,457.94	
		For NEMA 4 Enclosure, Add	2,528.16	
		For NEMA 12 Enclosure, Add	1,404.54	
		For Level 2 Controller, Add	3,141.20	
		For Level 3 Controller, Add	6,485.06	
		For Level 4 Controller, Add	9,423.60	
26 36 23 00-0032	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	51,472.06	3,191.38
		For NEMA 3R Enclosure, Add	2,528.16	
		For NEMA 4 Enclosure, Add	2,528.16	
		For NEMA 12 Enclosure, Add	1,544.99	
		For Level 2 Controller, Add	3,494.42	
		For Level 3 Controller, Add	7,214.29	
		For Level 4 Controller, Add	10,483.26	
26 36 23 00-0033	EA	1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	64,748.78	3,723.28
		For NEMA 3R Enclosure, Add	2,528.16	
		For NEMA 4 Enclosure, Add	2,528.16	
		For NEMA 12 Enclosure, Add	1,544.99	
		For Level 2 Controller, Add	4,440.92	
		For Level 3 Controller, Add	9,168.36	
		For Level 4 Controller, Add	13,322.77	
26 36 23 00-0034	EA	1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	85,135.15	4,211.40
		For NEMA 3R Enclosure, Add	11,236.23	
		For NEMA 4 Enclosure, Add	14,045.28	
		For NEMA 12 Enclosure, Add	11,236.23	
		For Level 2 Controller, Add	5,945.21	
		For Level 3 Controller, Add	12,273.97	
		For Level 4 Controller, Add	17,835.62	
26 36 23 00-0035	EA	1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	111,312.15	4,492.17
		For NEMA 3R Enclosure, Add	23,876.97	
		For NEMA 4 Enclosure, Add	23,876.97	
		For NEMA 12 Enclosure, Add	22,247.72	
		For Level 2 Controller, Add	7,930.41	
		For Level 3 Controller, Add	16,372.45	
		For Level 4 Controller, Add	23,791.22	
26 36 23 00-0036	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	126,435.93	4,913.30
		For NEMA 3R Enclosure, Add	23,876.97	
		For NEMA 4 Enclosure, Add	23,876.97	
		For NEMA 12 Enclosure, Add	22,247.72	
		For Level 2 Controller, Add	9,037.22	
		For Level 3 Controller, Add	18,657.49	
		For Level 4 Controller, Add	27,111.67	
26 36 23 00-0037	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	202,754.37	5,615.20
		For NEMA 3R Enclosure, Add	29,495.07	
		For Level 2 Controller, Add	14,843.11	
		For Level 3 Controller, Add	30,643.83	
		For Level 4 Controller, Add	44,529.32	
26 36 23 00-0038	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	218,790.07	6,317.11
		For NEMA 3R Enclosure, Add	29,495.07	
		For Level 2 Controller, Add	15,977.08	
		For Level 3 Controller, Add	32,984.94	
		For Level 4 Controller, Add	47,931.24	

26 36 23 00-0039 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure
(26 36 23 00-0001)

26 36 23 00-0040	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	9,078.51	332.43
		For Level 2 Controller, Add	652.06	
		For Level 3 Controller, Add	1,346.18	
		For Level 4 Controller, Add	1,956.17	
		For NEMA 3R Enclosure, Add	702.27	
		For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0041	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	9,808.97	398.92
		For Level 2 Controller, Add	698.36	
		For Level 3 Controller, Add	1,441.78	
		For Level 4 Controller, Add	2,095.09	
		For NEMA 3R Enclosure, Add	702.27	
		For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0042	EA	100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100).....	10,173.56	432.16
		For Level 2 Controller, Add	721.46	
		For Level 3 Controller, Add	1,489.48	
		For Level 4 Controller, Add	2,164.39	
		For NEMA 3R Enclosure, Add	702.27	
		For NEMA 12 Enclosure, Add	1,264.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 36 23 00-0043	EA		125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	10,538.13	465.41
			For Level 2 Controller, Add	744.57	
			For Level 3 Controller, Add	1,537.17	
			For Level 4 Controller, Add	2,233.70	
			For NEMA 3R Enclosure, Add	702.27	
			For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0044	EA		150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	12,661.84	531.89
			For Level 2 Controller, Add	898.85	
			For Level 3 Controller, Add	1,855.69	
			For Level 4 Controller, Add	2,696.54	
			For Four Pole Circuit Breaker, Add	3,511.32	
			For NEMA 3R Enclosure, Add	702.27	
			For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0045	EA		225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	16,508.45	598.38
			For Level 2 Controller, Add	1,186.66	
			For Level 3 Controller, Add	2,449.87	
			For Level 4 Controller, Add	3,559.97	
			For Four Pole Circuit Breaker, Add	3,511.32	
			For NEMA 3R Enclosure, Add	702.27	
			For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0046	EA		250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	17,569.83	664.87
			For Level 2 Controller, Add	1,258.61	
			For Level 3 Controller, Add	2,598.41	
			For Level 4 Controller, Add	3,775.82	
			For Four Pole Circuit Breaker, Add	3,511.32	
			For NEMA 3R Enclosure, Add	702.27	
			For NEMA 12 Enclosure, Add	1,264.08	
26 36 23 00-0047	EA		300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	18,262.95	731.36
			For Level 2 Controller, Add	1,302.02	
			For Level 3 Controller, Add	2,688.04	
			For Level 4 Controller, Add	3,906.06	
			For Four Pole Circuit Breaker, Add	4,775.40	
			For NEMA 3R Enclosure, Add	1,825.89	
			For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0048	EA		400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	20,673.81	797.85
			For Level 2 Controller, Add	1,478.55	
			For Level 3 Controller, Add	3,052.50	
			For Level 4 Controller, Add	4,435.66	
			For Four Pole Circuit Breaker, Add	4,775.40	
			For NEMA 3R Enclosure, Add	1,825.89	
			For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0049	EA		600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	25,078.68	997.31
			For Level 2 Controller, Add	1,789.02	
			For Level 3 Controller, Add	3,693.45	
			For Level 4 Controller, Add	5,367.05	
			For Four Pole Circuit Breaker, Add	4,775.40	
			For NEMA 3R Enclosure, Add	1,825.89	
			For NEMA 12 Enclosure, Add	1,404.54	
26 36 23 00-0050	EA		800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	26,090.53	1,196.77
			For Level 2 Controller, Add	1,836.52	
			For Level 3 Controller, Add	3,791.52	
			For Level 4 Controller, Add	5,509.55	
			For Four Pole Circuit Breaker, Add	6,811.96	
			For NEMA 3R Enclosure, Add	3,146.15	
			For NEMA 12 Enclosure, Add	1,966.35	
26 36 23 00-0051	EA		1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	30,927.84	1,684.56
			For Level 2 Controller, Add	2,135.80	
			For Level 3 Controller, Add	4,409.40	
			For Level 4 Controller, Add	6,407.40	
			For Four Pole Circuit Breaker, Add	6,811.96	
			For NEMA 3R Enclosure, Add	3,146.15	
			For NEMA 12 Enclosure, Add	1,966.35	

26 36 23 00-0052 Accessories (26 36 23)

26 36 23 00-0053	EA	Auxiliary Contacts For Automatic Transfer Switch	325.86	
26 36 23 00-0054	EA	Battery Charger For Automatic Transfer Switch	2,668.61	
26 36 23 00-0055	EA	Elevator Relay Signal For Automatic Transfer Switch	969.13	

26 40 Electrical And Cathodic Protection (26)

26 43 Surge Protective Devices (26 40)

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits (26 43)

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)

		Note: Liebert LPL		
26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	252.86	32.42
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	271.94	32.42
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	284.91	38.90

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	234.46		25.93
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	284.91		38.90
26 43 13 00-0007		50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)			
		Note: Liebert LPL			
26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	346.88		32.42
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	370.75		38.90
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	357.78		32.42
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	370.75		38.90
26 43 13 00-0012		100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)			
		Note: Liebert LPL			
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	417.73		32.42
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	441.60		38.90
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	388.43		25.93
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	441.60		38.90
26 43 13 00-0017		100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)			
		Note: Liebert LPM			
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	491.31		32.42
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	554.70		38.90
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	463.38		25.93
26 43 13 00-0021		160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)			
		Note: Liebert LPM			
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	861.29		38.90
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	848.32		32.42
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	861.29		38.90
26 43 13 00-0025		250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13)			
		Note: Liebert Interceptor Hybrid.			
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	8,184.81		64.82
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	10,011.21		64.82
26 43 13 00-0028		Class 1310 Transient Voltage Surge Suppression (26 43 13)			
		Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.			
26 43 13 00-0029		NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)			
		Note: Square D. EMA series.			
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,021.11		168.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,437.61		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,466.62		226.90
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,590.35		259.32
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,703.49		356.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,193.71		168.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,627.21		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,759.55		226.90
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,970.79		259.32
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,290.55		356.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,193.71		168.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,627.21		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,759.49		226.90
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,970.79		259.32
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		

		Electrical	26	26
		Electrical And Cathodic Protection	26 40	
		Surge Protective Devices	26 43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	13,290.55	356.56	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,366.34	168.56	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,819.26	194.48	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,054.90	226.90	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,353.74	259.32	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	13,880.00	356.56	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,566.89	168.56	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,018.64	194.48	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,363.62	226.90	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,754.84	259.32	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	13,663.00	356.56	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)					
43 13 00-0028					
Note: Square D EBA series.					
26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,146.04	168.56	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,798.34	194.48	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,550.19	226.90	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,244.49	168.56	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,944.19	194.48	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,741.01	226.90	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,244.49	168.56	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,944.19	194.48	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,741.01	226.90	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,369.68	168.56	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,100.98	194.48	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,985.31	226.90	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,500.95	168.56	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,267.49	194.48	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	6,241.77	226.90	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)					
Note: Square D EMA series. Stainless steel.					
26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,169.70	168.56	
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,586.20		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,615.21		226.90
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,342.30		168.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,775.80		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,908.14		226.90
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,342.30		168.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,775.80		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,908.08		226.90
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,514.93		168.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,967.85		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,203.49		226.90
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,715.48		168.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,167.23		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,512.21		226.90
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00-					
		0028)			
		Note: Square D EBA series. Stainless steel.			
26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,294.63		168.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,946.93		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,698.78		226.90
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,393.08		168.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,092.78		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,889.60		226.90
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,393.08		168.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,092.78		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,889.60		226.90
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,518.27		168.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,249.57		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,133.90		226.90
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,649.54		168.56
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,416.08		194.48
		For Integral Disconnect, Add	438.87		
		For Surge Counter, Add	335.40		

		Electrical	26	26
		Electrical And Cathodic Protection	26 40	
		Surge Protective Devices	26 43	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

26 43 13 00-0102	EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,390.36	226.90	
	For Integral Disconnect, Add	438.87		
	For Surge Counter, Add	335.40		

26 43 23 Surge Protective Devices for Lightning Protection (26 43)

26 43 23 00-0001 Surge And Lightning Arrestors (26 43 23)

26 43 23 00-0002 Metal Top Intermediate Type IMX (26 43 23 00-0001)

Note: For outdoor construction, single phase.

26 43 23 00-0003	EA 3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,190.80	287.85	
26 43 23 00-0004	EA 4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,286.48	287.85	
26 43 23 00-0005	EA 6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,286.48	287.85	
26 43 23 00-0006	EA 7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,464.18	287.85	
26 43 23 00-0007	EA 9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,464.18	287.85	
26 43 23 00-0008	EA 10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,611.81	287.85	
26 43 23 00-0009	EA 12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,611.81	287.85	
26 43 23 00-0010	EA 15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,193.14	359.80	
26 43 23 00-0011	EA 18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,269.69	359.80	
26 43 23 00-0012	EA 21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,500.61	431.76	
26 43 23 00-0013	EA 24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,697.45	431.76	
26 43 23 00-0014	EA 27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,192.27	431.76	

26 43 23 00-0015 Porcelain Top Intermediate Type IMX (26 43 23 00-0001)

Note: For cubicle mounting, single phase.

26 43 23 00-0016	EA 3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,190.80	287.85	
26 43 23 00-0017	EA 4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,286.48	287.85	
26 43 23 00-0018	EA 6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,286.48	287.85	
26 43 23 00-0019	EA 7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,464.18	287.85	
26 43 23 00-0020	EA 9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,464.18	287.85	
26 43 23 00-0021	EA 10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,611.81	287.85	
26 43 23 00-0022	EA 12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,611.81	287.85	
26 43 23 00-0023	EA 15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,193.14	359.80	
26 43 23 00-0024	EA 18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,269.69	359.80	
26 43 23 00-0025	EA 21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,500.61	431.76	
26 43 23 00-0026	EA 24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,697.45	431.76	
26 43 23 00-0027	EA 27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	3,192.27	431.76	

26 43 23 00-0028 IMX Accessories (26 43 23 00-0001)

26 43 23 00-0029	EA 1 Crossarm Bracket Reversible 3-27 KV IMX	993.97	287.85	
26 43 23 00-0030	EA Single Unit Horizontal Pole Mounted Bracket (IMX)	983.03	287.85	
26 43 23 00-0031	EA 3 Unit Horizontal Pole Mounted Bracket (IMX)	901.12	287.85	

26 43 23 00-0032 Lightning Arrestor And Cutouts (26 43 23 00-0001)

26 43 23 00-0033	EA 3 KV La Distribution Class, Lightning Arrestor	687.78	287.85	
26 43 23 00-0034	EA 3 KV La Interior Class, Lightning Arrestor	1,263.63	287.85	
26 43 23 00-0035	EA 3 KV La Station Class, Lightning Arrestor	1,190.80	287.85	
26 43 23 00-0036	EA 9 KV La Distribution Class, Lightning Arrestor	747.92	287.85	
26 43 23 00-0037	EA 9 KV La Interior Class, Lightning Arrestor	1,423.07	287.85	
26 43 23 00-0038	EA 9 KV La Station Class, Lightning Arrestor	1,464.18	287.85	
26 43 23 00-0039	EA 5 KV Enclosed Fused Cutout	841.42	287.85	
26 43 23 00-0040	EA 15 KV Open Fused Cutout	919.18	359.80	
26 43 23 00-0041	EA 18 KV La Distribution Class, Lightning Arrestor	716.28	287.85	
26 43 23 00-0042	EA 18 KV La Interior Class, Lightning Arrestor	1,508.29	287.85	

26 50 Lighting (26)

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting (26 50)

26 51 13 Incandescent Interior Lighting (26 51)

26 51 13 00-0001 Recessed Fixtures (26 51 13)

Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings (26 51 13 00-0001)

26 51 13 00-0003	EA 4" Round, Incandescent, T Or ICT Recessed Fixture Housing	89.70	37.09	
26 51 13 00-0004	EA 5" Round, Incandescent, T Or ICT Recessed Fixture Housing	89.70	37.09	
26 51 13 00-0005	EA 6" Round, Incandescent, T Or ICT Recessed Fixture Housing	95.21	38.90	
26 51 13 00-0006	EA 7" Round, Incandescent, T Or ICT Recessed Fixture Housing	100.92	40.58	
26 51 13 00-0007	EA 8" Round, Incandescent, T Or ICT Recessed Fixture Housing	106.65	42.27	
26 51 13 00-0008	EA 10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	108.73	44.86	

26 51 13 00-0009 Recessed Fixture Trim (26 51 13 00-0001)

26 51 13 00-0010	EA Circular, Recessed Fixture Trim	69.23	18.15	
26 51 13 00-0011	EA Circular Clear Lens, Recessed Fixture Trim	76.92	18.15	
26 51 13 00-0012	EA Open/Baffle, Recessed Fixture Trim	90.25	18.15	
26 51 13 00-0013	EA Specular Reflector, Recessed Fixture Trim	97.31	18.15	
26 51 13 00-0014	EA Eyeball, Recessed Fixture Trim	77.03	18.15	

26	26	Electrical
	26 50	Lighting
	26 51	Interior Lighting



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	72.90	18.15	
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim.....	77.64	18.15	
26 51 13 00-0017		Track Lighting (26 51 13)			
26 51 13 00-0018		Incandescent Track Lighting Fixtures (26 51 13 00-0017)			
See CSI section 26 51 19 00-0566 for track lighting tracks.					
26 51 13 00-0019	EA	Incandescent Track Lighting Fixture, 120 Volt.....	89.51	21.65	
26 51 13 00-0020	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt.....	61.02	21.65	
26 51 13 00-0021	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt.....	83.11	21.65	
26 51 13 00-0022	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt.....	85.30	21.65	
26 51 13 00-0023	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	71.02	21.65	
26 51 13 00-0024	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	61.02	21.65	
26 51 13 00-0025	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	69.97	21.65	
Note: 120V.					
26 51 13 00-0026	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	87.49	21.65	
26 51 13 00-0027		Wet Location, Dust Resistant, Vapor Tight Fixtures (26 51 13)			
26 51 13 00-0028		Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0027)			
26 51 13 00-0029	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	137.38	51.87	
26 51 13 00-0030	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	156.19	51.87	
26 51 16		Fluorescent Interior Lighting (26 51)			
26 51 16 00-0001		Fluorescent Fixtures (26 51 16)			
26 51 16 00-0002		Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0001)			
26 51 16 00-0003		6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)			
26 51 16 00-0004	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	197.45	37.08	
26 51 16 00-0005	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	222.02	37.08	
26 51 16 00-0006		6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)			
26 51 16 00-0007	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	223.17	38.62	
26 51 16 00-0008	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	250.10	38.62	
26 51 16 00-0009		1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)			
26 51 16 00-0010	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	266.49	43.35	
26 51 16 00-0011	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	316.55	43.35	
26 51 16 00-0012	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	371.63	43.35	
26 51 16 00-0013		2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)			
26 51 16 00-0014	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	216.66	47.38	
26 51 16 00-0015	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	250.84	47.38	
26 51 16 00-0016		2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)			
26 51 16 00-0017	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	341.01	55.20	
26 51 16 00-0018	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	367.27	55.20	
26 51 16 00-0019	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	417.25	55.20	
26 51 16 00-0020		Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0001)			
Note: Includes prismatic lens.					
26 51 16 00-0021		1' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)			
26 51 16 00-0022	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	264.99	43.00	
26 51 16 00-0023	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	431.99	43.00	
26 51 16 00-0024	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	493.06	43.00	
26 51 16 00-0025		2' x 2', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)			
26 51 16 00-0026	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	415.22	47.38	
26 51 16 00-0027	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	453.73	47.38	
26 51 16 00-0028	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	481.51	47.38	
26 51 16 00-0029		2' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)			
26 51 16 00-0030	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	420.92	55.20	
26 51 16 00-0031	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	462.00	55.20	
26 51 16 00-0032	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	484.62	55.20	
26 51 16 00-0033	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	519.05	55.20	
26 51 16 00-0034		4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0020)			
26 51 16 00-0035	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	836.70	71.08	
26 51 16 00-0036	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	850.54	71.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0037	EA		8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	766.81	71.08
26 51 16 00-0038			Recessed Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0039			Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0040			1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0041	EA		2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	417.04	37.08
			For Drywall Or Plaster Ceilings, Add	25.05	
26 51 16 00-0042			1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0043	EA		2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	553.90	43.00
			For Drywall Or Plaster Ceilings, Add	29.32	
26 51 16 00-0044	EA		2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,045.78	43.00
			For Drywall Or Plaster Ceilings, Add	29.32	
26 51 16 00-0045			2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0046	EA		2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	559.89	47.38
			For Drywall Or Plaster Ceilings, Add	31.99	
26 51 16 00-0047	EA		3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	646.64	47.38
			For Drywall Or Plaster Ceilings, Add	31.99	
26 51 16 00-0048	EA		4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	652.54	47.38
			For Drywall Or Plaster Ceilings, Add	31.99	
26 51 16 00-0049	EA		2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	704.50	47.38
			For Drywall Or Plaster Ceilings, Add	31.99	
26 51 16 00-0050			2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0039)		
26 51 16 00-0051	EA		2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	532.78	55.20
			For Drywall Or Plaster Ceilings, Add	37.32	
26 51 16 00-0052	EA		3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	764.42	55.20
			For Drywall Or Plaster Ceilings, Add	37.32	
26 51 16 00-0053	EA		4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	771.34	55.20
			For Drywall Or Plaster Ceilings, Add	37.32	
26 51 16 00-0054	EA		6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	862.97	55.20
			For Drywall Or Plaster Ceilings, Add	37.32	
26 51 16 00-0055	EA		2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	732.86	55.20
			For Drywall Or Plaster Ceilings, Add	37.32	
26 51 16 00-0056	EA		3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,023.12	55.20
			For Drywall Or Plaster Ceilings, Add	37.32	
26 51 16 00-0057	EA		4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,039.52	55.20
			For Drywall Or Plaster Ceilings, Add	37.32	
26 51 16 00-0058			Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0059			1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0060	EA		1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture.....	497.58	37.08
			For Drywall Or Plaster Ceilings, Add	25.05	
26 51 16 00-0061	EA		2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	503.47	37.08
			For Drywall Or Plaster Ceilings, Add	25.05	
26 51 16 00-0062	EA		3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	595.79	37.08
			For Drywall Or Plaster Ceilings, Add	25.05	
26 51 16 00-0063			1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0064	EA		1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture.....	566.73	43.00
			For Drywall Or Plaster Ceilings, Add	29.32	
26 51 16 00-0065	EA		2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	573.65	43.00
			For Drywall Or Plaster Ceilings, Add	29.32	
26 51 16 00-0066	EA		3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	651.57	43.00
			For Drywall Or Plaster Ceilings, Add	29.32	
26 51 16 00-0067			2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0068	EA		2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	578.66	47.38
			For Drywall Or Plaster Ceilings, Add	31.99	
26 51 16 00-0069	EA		3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	584.55	47.38
			For Drywall Or Plaster Ceilings, Add	31.99	
26 51 16 00-0070	EA		4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	675.45	47.38
			For Drywall Or Plaster Ceilings, Add	31.99	
26 51 16 00-0071			2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0058)		
26 51 16 00-0072	EA		2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	532.78	55.20
			For Drywall Or Plaster Ceilings, Add	37.32	
26 51 16 00-0073	EA		3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	630.80	55.20
			For Drywall Or Plaster Ceilings, Add	37.32	
26 51 16 00-0074	EA		4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	723.80	55.20
			For Drywall Or Plaster Ceilings, Add	37.32	
26 51 16 00-0075	EA		6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	824.07	55.20
			For Drywall Or Plaster Ceilings, Add	37.32	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 16 00-0076	Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0077	1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0078	EA 1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,108.78 29.32	43.00
26 51 16 00-0079	EA 2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,115.70 29.32	43.00
26 51 16 00-0080	EA 1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,322.68 29.32	43.00
26 51 16 00-0081	EA 2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,339.08 29.32	43.00
26 51 16 00-0082	2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0083	EA 2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	864.61 31.99	47.38
26 51 16 00-0084	EA 3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	968.73 31.99	47.38
26 51 16 00-0085	EA 2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,193.38 31.99	47.38
26 51 16 00-0086	2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures (26 51 16 00-0076)		
26 51 16 00-0087	EA 2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	969.26 37.32	55.20
26 51 16 00-0088	EA 3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,209.55 37.32	55.20
26 51 16 00-0089	EA 1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,291.62 37.32	55.20
26 51 16 00-0090	EA 2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,419.74 37.32	55.20
26 51 16 00-0091	Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0092	1' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)		
26 51 16 00-0093	EA 2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	856.97 29.32	43.00
26 51 16 00-0094	EA 2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,150.61 29.32	43.00
26 51 16 00-0095	2' x 2', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)		
26 51 16 00-0096	EA 2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	851.17 31.99	47.38
26 51 16 00-0097	EA 2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	982.47 31.99	47.38
26 51 16 00-0098	2' x 4', Volumetric, Recessed Fluorescent Fixtures (26 51 16 00-0091)		
26 51 16 00-0099	EA 2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	944.16 37.32	55.20
26 51 16 00-0100	EA 2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	946.35 37.32	55.20
26 51 16 00-0101	Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0102	1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0101)		
26 51 16 00-0103	EA 2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	789.51 29.32	43.00
26 51 16 00-0104	2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0101)		
26 51 16 00-0105	EA 2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	752.03 31.99	47.38
26 51 16 00-0106	2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0101)		
26 51 16 00-0107	EA 2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	913.73 37.32	55.20
26 51 16 00-0108	EA 3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	636.09 37.32	55.20
26 51 16 00-0109	EA 4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture For Drywall Or Plaster Ceilings, Add	1,052.55 37.32	55.20
26 51 16 00-0110	Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0038)		
26 51 16 00-0111	1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0110)		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0112	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	749.62 29.32	43.00
26 51 16 00-0113		2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0110)		
26 51 16 00-0114	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	751.08 31.99	47.38
26 51 16 00-0115		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0110)		
26 51 16 00-0116	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	936.12 37.32	55.20
26 51 16 00-0117	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	950.81 37.32	55.20
26 51 16 00-0118	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	974.24 37.32	55.20
26 51 16 00-0119		Striplight Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0120		1 Lamp Cross Section, Striplight Fluorescent Fixtures (26 51 16 00-0119)		
26 51 16 00-0121	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	302.33	35.53
26 51 16 00-0122	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	378.53	35.53
26 51 16 00-0123	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	368.29	39.44
26 51 16 00-0124	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	374.11	43.35
26 51 16 00-0125	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	458.44	51.35
26 51 16 00-0126		2 Lamp Cross Section, Striplight Fluorescent Fixtures (26 51 16 00-0119)		
26 51 16 00-0127	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	373.06	39.44
26 51 16 00-0128	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	381.22	43.35
26 51 16 00-0129	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	386.96	47.38
26 51 16 00-0130		3 Lamp Cross Section, Striplight Fluorescent Fixtures (26 51 16 00-0119)		
26 51 16 00-0131	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	564.78	39.44
26 51 16 00-0132	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	539.49	43.35
26 51 16 00-0133	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	545.15	47.38
26 51 16 00-0134		Display Case Fluorescent Fixtures (26 51 16 00-0119)		
26 51 16 00-0135	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	198.09	38.90
26 51 16 00-0136	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	272.28	38.90
26 51 16 00-0137	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	293.80	45.38
26 51 16 00-0138	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	304.34	45.38
26 51 16 00-0139		Industrial Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0140		1 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0141	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	452.00	35.53
26 51 16 00-0142	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	473.29	43.35
26 51 16 00-0143	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	895.79	55.20
26 51 16 00-0144	EA	96" Lamp Industrial Fixture Fluorescent, 2 54 W T5 Lamp	233.10	55.20
		Note: With electronic ballast.		
26 51 16 00-0145		2 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0146	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	463.81	39.44
26 51 16 00-0147	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	486.15	47.38
26 51 16 00-0148	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	909.63	55.20
26 51 16 00-0149	EA	48" Lamp Industrial Fixture Fluorescent, 2 54 W T5 Lamp	233.00	47.38
		Note: With electronic ballast.		
26 51 16 00-0150	EA	96" Lamp Industrial Fixture Fluorescent, 4 54 W T5 Lamp	284.67	55.20
		Note: With electronic ballast.		
26 51 16 00-0151		3 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0152	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	482.67	39.44
26 51 16 00-0153	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	502.79	47.38
26 51 16 00-0154	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	776.54	55.20
26 51 16 00-0155		4 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0139)		
26 51 16 00-0156	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	708.07	47.38
26 51 16 00-0157	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	1,049.67	55.20
26 51 16 00-0158		Flanged Fluorescent Fixture (26 51 16 00-0001)		
		Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0159	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	651.54	71.08
26 51 16 00-0160	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	788.10	71.08

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 51 16 00-0161	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture.....	795.02		71.08
26 51 16 00-0162		Undercabinet Fluorescent Fixtures (26 51 16 00-0001)			
26 51 16 00-0163	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	233.09		31.99
26 51 16 00-0164	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	269.82		39.09
26 51 16 00-0165	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	264.89		39.09
26 51 16 00-0166	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	323.98		42.64
26 51 16 00-0167	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	376.49		49.76
26 51 16 00-0168		Corner Mounted, Fluorescent Fixtures (26 51 16 00-0001)			
		Note: Includes acrylic drop dish diffuser.			
26 51 16 00-0169		2' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0168)			
26 51 16 00-0170	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	265.37		35.53
26 51 16 00-0171	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	296.06		35.53
26 51 16 00-0172		3' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0168)			
26 51 16 00-0173	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	302.98		37.32
26 51 16 00-0174	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	332.29		37.32
26 51 16 00-0175		4' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0168)			
26 51 16 00-0176	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	298.64		39.09
26 51 16 00-0177	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	329.00		39.09
26 51 16 00-0178		Wall Bracket, Fluorescent Fixtures (26 51 16 00-0001)			
26 51 16 00-0179		Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0178)			
		Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.			
26 51 16 00-0180		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0179)			
26 51 16 00-0181	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	256.44		59.64
26 51 16 00-0182	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	261.47		59.64
26 51 16 00-0183		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0179)			
26 51 16 00-0184	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	333.87		59.64
26 51 16 00-0185	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	340.88		59.64
26 51 16 00-0186		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0179)			
26 51 16 00-0187	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	345.87		59.64
26 51 16 00-0188	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	350.89		59.64
26 51 16 00-0189		Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0178)			
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.			
26 51 16 00-0190		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0189)			
26 51 16 00-0191	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	692.89		59.64
26 51 16 00-0192	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	697.91		59.64
26 51 16 00-0193		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0189)			
26 51 16 00-0194	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	542.04		59.64
26 51 16 00-0195	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	549.05		59.64
26 51 16 00-0196		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0189)			
26 51 16 00-0197	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	627.52		59.64
26 51 16 00-0198	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	632.54		59.64
26 51 16 00-0199		Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0178)			
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.			
26 51 16 00-0200		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0199)			
26 51 16 00-0201	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	245.33		59.64
26 51 16 00-0202	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	250.36		59.64
26 51 16 00-0203		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0199)			
26 51 16 00-0204	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	247.32		59.64
26 51 16 00-0205	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	254.34		59.64
26 51 16 00-0206		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) (26 51 16 00-0199)			
26 51 16 00-0207	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	236.82		59.64
26 51 16 00-0208	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	241.84		59.64

		Electrical	26	26
		Lighting	26 50	
		Interior Lighting	26 51	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

26 51 16 00-0209	Low Occupancy, Industrial Fluorescent Fixtures (26 51 16 00-0001)			
26 51 16 00-0210	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	296.60	43.35
26 51 16 00-0211	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	302.53	47.38
26 51 16 00-0212	Surface Mounted, Fluorescent Fixtures, Architectural (26 51 16 00-0001)			
26 51 16 00-0213	8-1/2" x 4' Surface Mounted Architectural Fluorescent Fixtures (26 51 16 00-0212)			
26 51 16 00-0214	EA	8-1/2" x 4' Surface Mounted Architectural Fluorescent Fixture, 1 54 Watt T5 HO Lamp	499.45	43.35
	Note: With electronic ballast.			
26 51 16 00-0215	Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0001)			
	Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.			
26 51 16 00-0216	6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0215)			
26 51 16 00-0217	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	257.26	37.08
26 51 16 00-0218	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	306.62	37.08
26 51 16 00-0219	6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0215)			
26 51 16 00-0220	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	278.26	38.62
26 51 16 00-0221	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	332.56	38.62
26 51 16 00-0222	8-1/4" x 2', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0215)			
26 51 16 00-0223	EA	8-1/4" x 2', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	367.44	59.64
26 51 16 00-0224	EA	8-1/4" x 2', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	385.02	59.64
26 51 16 00-0225	8-1/4" x 4', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0215)			
26 51 16 00-0226	EA	8-1/4" x 4', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF)	420.18	59.64
26 51 16 00-0227	EA	8-1/4" x 4', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	435.25	59.64
26 51 16 00-0228	EA	8-1/4" x 4', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	455.34	59.64
26 51 16 00-0229	1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0215)			
26 51 16 00-0230	EA	2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	314.09	40.99
26 51 16 00-0231	EA	3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	373.43	40.99
26 51 16 00-0232	EA	4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	401.57	40.99
26 51 16 00-0233	1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures (26 51 16 00-0215)			
26 51 16 00-0234	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	338.96	43.35
26 51 16 00-0235	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	403.65	43.35
26 51 16 00-0236	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	434.51	43.35
26 51 16 00-0237	Ceiling Mounted Fluorescent Fixtures (26 51 16)			
26 51 16 00-0238	Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures (26 51 16 00-0237)			
26 51 16 00-0239	Glass Globe, Compact Fluorescent/Incandescent Fixtures (26 51 16 00-0238)			
26 51 16 00-0240	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	238.90	51.87
26 51 16 00-0241	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	294.00	51.87
26 51 16 00-0242	Ceiling Mounted, Circline Fluorescent Fixtures (26 51 16 00-0237)			
26 51 16 00-0243	Exposed Lamps, Circline Fluorescent Fixtures (26 51 16 00-0242)			
26 51 16 00-0244	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	189.35	51.87
26 51 16 00-0245	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	209.25	51.87
26 51 16 00-0246	Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures (26 51 16 00-0242)			
26 51 16 00-0247	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	311.93	51.87
26 51 16 00-0248	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	463.62	51.87
26 51 16 00-0249	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	568.72	51.87
26 51 16 00-0250	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	361.07	51.87
26 51 16 00-0251	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	466.73	51.87
26 51 16 00-0252	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	568.72	51.87
26 51 16 00-0253	Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0237)			
26 51 16 00-0254	Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0253)			
26 51 16 00-0255	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	316.06	51.87

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 16 00-0256	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	427.54	51.87
26 51 16 00-0257	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	521.96	51.87
26 51 16 00-0258	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	245.86	51.87
26 51 16 00-0259	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	303.72	51.87
26 51 16 00-0260	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	413.36	51.87

26 51 16 00-0261 Pendant Mounted, Compact Fluorescent/Incandescent Downlights (26 51 16 00-0237)
26 51 16 00-0262 Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights (26 51 16 00-0261)

26 51 16 00-0263	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	534.45	42.61
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26 51 16 00-0264 Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle (26 51 16 00-0261)

26 51 16 00-0265	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	618.33	42.61
26 51 16 00-0266	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	888.95	42.61

26 51 16 00-0267 Pendant Mounted, Horizontal Indirect Fluorescent Fixtures (26 51 16 00-0237)

26 51 16 00-0268	EA	1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	315.40	42.61
26 51 16 00-0269	EA	2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	335.66	42.61
26 51 16 00-0270	EA	3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	402.41	42.61
26 51 16 00-0271	EA	2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	418.07	42.61
26 51 16 00-0272	EA	4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	500.86	42.61
26 51 16 00-0273	EA	6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture.....	598.44	42.61

26 51 16 00-0274 Finelite Fluorescent Fixtures (26 51 16 00-0237)
26 51 16 00-0275 Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) (26 51 16 00-0274)

26 51 16 00-0276	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	535.11	60.42
26 51 16 00-0277	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	532.87	60.42
26 51 16 00-0278	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	576.41	60.42
26 51 16 00-0279	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	645.64	60.42
26 51 16 00-0280	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	708.16	60.42
26 51 16 00-0281	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	871.38	60.42
26 51 16 00-0282	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	764.34	63.01
26 51 16 00-0283	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	787.33	63.01
26 51 16 00-0284	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	874.41	63.01
26 51 16 00-0285	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	838.91	63.01
26 51 16 00-0286	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,055.50	63.01
26 51 16 00-0287	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,244.62	63.01
26 51 16 00-0288	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,011.88	65.61
26 51 16 00-0289	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,050.95	65.61
26 51 16 00-0290	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,163.25	65.61
26 51 16 00-0291	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,169.52	65.61
26 51 16 00-0292	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,448.63	65.61
26 51 16 00-0293	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10).....	1,736.88	65.61

26 51 16 00-0294 Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) (26 51 16 00-0274)

26 51 16 00-0295	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	536.01	60.42
26 51 16 00-0296	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	584.13	60.42
26 51 16 00-0297	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	584.06	60.42
26 51 16 00-0298	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	789.18	63.01
26 51 16 00-0299	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	844.81	63.01
26 51 16 00-0300	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	844.66	63.01
26 51 16 00-0301	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	1,042.35	65.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0302	EA		3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	1,186.72	65.61
26 51 16 00-0303	EA		3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O).....	1,186.50	65.61
26 51 16 00-0304			Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) (26 51 16 00-0274)		
26 51 16 00-0305	EA		1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	408.54	60.42
26 51 16 00-0306	EA		2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	431.02	60.42
26 51 16 00-0307	EA		3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	510.59	60.42
26 51 16 00-0308	EA		2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	534.80	63.01
26 51 16 00-0309	EA		4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	631.66	63.01
26 51 16 00-0310	EA		6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	746.69	63.01
26 51 16 00-0311	EA		3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	738.91	65.61
26 51 16 00-0312	EA		6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	904.96	65.61
26 51 16 00-0313	EA		9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	1,081.38	65.61
26 51 16 00-0314			Fluorescent, Recessed Fixture Housings (26 51 16)		
26 51 16 00-0315	EA		4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	143.59	37.09
26 51 16 00-0316	EA		5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	148.38	37.09
26 51 16 00-0317	EA		6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	154.59	38.77
26 51 16 00-0318	EA		7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	162.45	40.19
26 51 16 00-0319	EA		8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	169.32	42.27
26 51 16 00-0320	EA		10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	175.39	44.86
26 51 16 00-0321			Compact Fluorescent, Recessed Fixture Housings (26 51 16)		
26 51 16 00-0322	EA		4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	164.17	37.09
26 51 16 00-0323	EA		5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	168.88	37.09
26 51 16 00-0324	EA		6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	175.25	38.90
26 51 16 00-0325	EA		7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	180.40	40.58
26 51 16 00-0326	EA		8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	186.31	42.27
26 51 16 00-0327	EA		10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	192.01	44.86
26 51 16 00-0328			Recessed Mounted Box Type Fluorescent Fixtures, Direct/Indirect (26 51 16)		
26 51 16 00-0329			2' x 2' Recessed Mounted Box Type Direct/Indirect (26 51 16 00-0328)		
26 51 16 00-0330	EA		2' x 2' Recessed Mounted Box Type Direct/Indirect, 3 T5 Lamps..... Note: With electronic ballast.	356.38	47.38
26 51 16 00-0331			Fluorescent Track Lighting Fixtures (26 51 16)		
26 51 16 00-0332	EA		2L 18W BX Track Fixture, Electronic Ballast	303.58	21.65
			Note: White or Black Finish, 120V.		
26 51 16 00-0333	EA		2L 39W BX Track Fixture, Electronic Ballast	312.34	21.65
			Note: White or Black Finish, 120V.		
26 51 16 00-0334	EA		2L 40W BX Track Fixture, Electronic Ballast	317.81	21.65
			Note: White or Black Finish, 120V.		
26 51 16 00-0335	EA		2L 50W BX Track Fixture, Electronic Ballast	196.68	21.65
			Note: White or Black Finish, 120V.		
26 51 16 00-0336	EA		2L, 55 Watt BX Track Fixture, Electronic Ballast	339.27	21.65
			Note: White or Black Finish, 120V.		
26 51 16 00-0337			Compact Fluorescent Track Lighting Fixtures (26 51 16)		
26 51 16 00-0338	EA		Compact Fluorescent Track Lighting Fixture	105.03	21.65
26 51 16 00-0339			Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 16)		
26 51 16 00-0340	EA		13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	147.09	51.87
26 51 16 00-0341	EA		22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	150.78	51.87
26 51 16 00-0342	EA		28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	159.93	51.87
26 51 16 00-0343			Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16)		
26 51 16 00-0344			4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16 00-0343)		
26 51 16 00-0345			4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) (26 51 16 00-0344) Note: Includes high impact acrylic molded lens.		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 51 16 00-0346	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	327.85		55.20
		<i>For T5 Fixture Instead Of T8, Add</i>	28.04		
26 51 16 00-0347	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	343.83		55.20
		<i>For T5 Fixture Instead Of T8, Add</i>	29.87		
26 51 16 00-0348	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	539.60		55.20
		<i>For T5 Fixture Instead Of T8, Add</i>	52.29		
26 51 16 00-0349	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	465.03		55.20
26 51 16 00-0350	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	749.69		55.20
26 51 16 00-0351		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) (26 51 16 00-0344)			
		Note: Includes high impact acrylic molded lens.			
26 51 16 00-0352	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	380.07		55.20
26 51 16 00-0353	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	384.93		55.20
26 51 16 00-0354	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	561.57		55.20
26 51 16 00-0355	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	463.88		55.20
26 51 16 00-0356	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	484.96		55.20
26 51 16 00-0357		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (26 51 16 00-0343)			
		Note: Includes high impact acrylic molded lens.			
26 51 16 00-0358		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) (26 51 16 00-0357)			
		Note: Includes high impact acrylic molded lens.			
26 51 16 00-0359	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	619.70		74.99
		<i>For T5 Fixture Instead Of T8, Add</i>	58.07		
26 51 16 00-0360	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	644.90		74.99
		<i>For T5 Fixture Instead Of T8, Add</i>	60.95		
26 51 16 00-0361		High Bay Fluorescent Fixtures (26 51 16)			
26 51 16 00-0362		(T8) Fluorescent, High Bay Fixtures (26 51 16 00-0361)			
26 51 16 00-0363		(T8) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0362)			
		Note: For 8' fixture, use two (2) 4' fixtures.			
26 51 16 00-0364	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	530.58		120.83
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Polycarbonate Lens, Add</i>	47.75		
		<i>For Acrylic Lens, Add</i>	54.00		
26 51 16 00-0365	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	555.82		133.86
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Polycarbonate Lens, Add</i>	47.75		
		<i>For Acrylic Lens, Add</i>	54.00		
26 51 16 00-0366	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	629.99		152.81
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Polycarbonate Lens, Add</i>	47.75		
		<i>For Acrylic Lens, Add</i>	54.00		
26 51 16 00-0367	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	756.13		160.99
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Polycarbonate Lens, Add</i>	47.75		
		<i>For Acrylic Lens, Add</i>	54.00		
26 51 16 00-0368	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	822.90		168.45
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Polycarbonate Lens, Add</i>	47.75		
		<i>For Acrylic Lens, Add</i>	54.00		
26 51 16 00-0369	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	470.05		152.81
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Polycarbonate Lens, Add</i>	47.75		
		<i>For Acrylic Lens, Add</i>	54.00		
26 51 16 00-0370	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	495.73		160.99
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Polycarbonate Lens, Add</i>	47.75		
		<i>For Acrylic Lens, Add</i>	54.00		
26 51 16 00-0371	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	566.81		168.45
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Polycarbonate Lens, Add</i>	47.75		
		<i>For Acrylic Lens, Add</i>	54.00		
26 51 16 00-0372		(T5HO) Fluorescent, High Bay Fixtures (26 51 16 00-0361)			
26 51 16 00-0373		(T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0372)			
		Note: For 8' fixture, use two (2) 4' fixtures.			
26 51 16 00-0374	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	537.63		120.83
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Polycarbonate Lens, Add</i>	47.75		
		<i>For Acrylic Lens, Add</i>	54.00		
26 51 16 00-0375	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	563.54		133.86
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Polycarbonate Lens, Add</i>	47.75		
		<i>For Acrylic Lens, Add</i>	54.00		
26 51 16 00-0376	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	642.26		152.81
		<i>For Wire Guard, Add</i>	40.50		
		<i>For Polycarbonate Lens, Add</i>	47.75		
		<i>For Acrylic Lens, Add</i>	54.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0377	EA	6	T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	779.78	160.99
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0378	EA	4	T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	497.81	152.81
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0379	EA	6	T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	550.00	160.99
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 16 00-0380	EA	8	T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	641.96	168.45
			For Wire Guard, Add	40.50	
			For Polycarbonate Lens, Add	47.75	
			For Acrylic Lens, Add	54.00	
26 51 19 LED Interior Lighting (26 51)					
26 51 19 00-0001 LED Fixtures (26 51 19)					
26 51 19 00-0002 Undercabinet LED Fixtures (26 51 19 00-0001)					
26 51 19 00-0003	EA	12"	Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	144.05	31.99
			For >50 To 100, Deduct	-4.93	
			For >100 To 250, Deduct	-8.54	
			For >250 To 500, Deduct	-14.41	
			For >500, Deduct	-20.27	
26 51 19 00-0004	EA	18"	Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	178.22	39.09
			For >50 To 100, Deduct	-6.08	
			For >100 To 250, Deduct	-10.54	
			For >250 To 500, Deduct	-17.82	
			For >500, Deduct	-25.10	
26 51 19 00-0005	EA	24"	Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	179.31	39.09
			For >50 To 100, Deduct	-6.11	
			For >100 To 250, Deduct	-10.59	
			For >250 To 500, Deduct	-17.93	
			For >500, Deduct	-25.27	
26 51 19 00-0006	EA	24"	HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	169.96	31.99
			For >50 To 100, Deduct	-5.58	
			For >100 To 250, Deduct	-9.83	
			For >250 To 500, Deduct	-17.00	
			For >500, Deduct	-24.16	
26 51 19 00-0007 Surface Mount Linear/Striplight LED Fixtures (26 51 19 00-0001)					
26 51 19 00-0008 Striplight LED Fixtures (Lithonia CLX) (26 51 19 00-0007)					
Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI					
26 51 19 00-0009	EA	2'	Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX)	223.00	35.53
			Note: With integral occupancy sensor		
26 51 19 00-0010	EA	2'	Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX)	228.94	35.53
			Note: With integral occupancy sensor		
26 51 19 00-0011	EA	4'	Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX)	264.57	43.35
			Note: With integral occupancy sensor		
26 51 19 00-0012	EA	4'	Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX)	270.52	43.35
			Note: With integral occupancy sensor		
26 51 19 00-0013	EA	4'	Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX)	276.47	43.35
			Note: With integral occupancy sensor		
26 51 19 00-0014	EA	4'	Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX)	282.41	43.35
			Note: With integral occupancy sensor		
26 51 19 00-0015	EA	4'	Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX)	288.37	43.35
			Note: With integral occupancy sensor		
26 51 19 00-0016	EA	8'	Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX)	368.61	51.29
			Note: With integral occupancy sensor		
26 51 19 00-0017	EA	8'	Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX)	380.50	51.29
			Note: With integral occupancy sensor		
26 51 19 00-0018	EA	8'	Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX)	393.88	51.29
			Note: With integral occupancy sensor		
26 51 19 00-0019	EA	8'	Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX)	405.78	51.29
			Note: With integral occupancy sensor		
26 51 19 00-0020	EA	8'	Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX)	419.16	51.29
			Note: With integral occupancy sensor		
26 51 19 00-0021	EA	8'	Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX)	431.06	51.29
			Note: With integral occupancy sensor		
26 51 19 00-0022 Striplight LED Fixtures (Lithonia ZL) (26 51 19 00-0007)					
26 51 19 00-0023	EA	3,000 Lumens, 2'	Length, LED Striplight Fixture (Lithonia ZL1)	229.55	35.53
			For >50 To 100, Deduct	-7.07	
			For >100 To 250, Deduct	-12.81	
			For >250 To 500, Deduct	-22.96	
			For >500, Deduct	-33.10	
26 51 19 00-0024	EA	2,800 Lumens, 4'	Length, LED Striplight Fixture (Lithonia ZL1)	241.39	43.35
			For >50 To 100, Deduct	-7.66	
			For >100 To 250, Deduct	-13.70	
			For >250 To 500, Deduct	-24.14	
			For >500, Deduct	-34.58	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 19 00-0025	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	247.54		35.53
		For >50 To 100, Deduct	-7.52		
		For >100 To 250, Deduct	-13.71		
		For >250 To 500, Deduct	-24.75		
		For >500, Deduct	-35.80		
26 51 19 00-0026	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	259.38		43.35
		For >50 To 100, Deduct	-8.11		
		For >100 To 250, Deduct	-14.60		
		For >250 To 500, Deduct	-25.94		
		For >500, Deduct	-37.28		
26 51 19 00-0027	EA	4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	322.39		43.35
		For >50 To 100, Deduct	-9.69		
		For >100 To 250, Deduct	-17.75		
		For >250 To 500, Deduct	-32.24		
		For >500, Deduct	-46.73		
26 51 19 00-0028		Striplight LED Fixtures (Mobern) (26 51 19 00-0007)			
26 51 19 00-0029	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	228.86		35.53
		For >50 To 100, Deduct	-7.05		
		For >100 To 250, Deduct	-12.78		
		For >250 To 500, Deduct	-22.89		
		For >500, Deduct	-33.00		
26 51 19 00-0030		Striplight LED Fixtures (Eaton) (26 51 19 00-0007)			
26 51 19 00-0031	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	291.00		43.35
		For >50 To 100, Deduct	-8.90		
		For >100 To 250, Deduct	-16.18		
		For >250 To 500, Deduct	-29.10		
		For >500, Deduct	-42.02		
26 51 19 00-0032	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	274.53		43.35
		For >50 To 100, Deduct	-8.49		
		For >100 To 250, Deduct	-15.36		
		For >250 To 500, Deduct	-27.45		
		For >500, Deduct	-39.55		
26 51 19 00-0033	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	291.00		43.35
		For >50 To 100, Deduct	-8.90		
		For >100 To 250, Deduct	-16.18		
		For >250 To 500, Deduct	-29.10		
		For >500, Deduct	-42.02		
26 51 19 00-0034		Lay-In/Troffer LED Fixtures (26 51 19 00-0001)			
26 51 19 00-0035		Prismatic Lensed, Lay-In/Troffer LED Fixtures (26 51 19 00-0034)			
26 51 19 00-0036		Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0035)			
26 51 19 00-0037	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	614.06		43.00
		For Drywall Or Plaster Ceilings With Frame Kit, Add	46.99		
		For >50 To 100, Deduct	-16.98		
		For >100 To 250, Deduct	-32.33		
		For >250 To 500, Deduct	-61.41		
		For >500, Deduct	-90.48		
26 51 19 00-0038	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	340.34		47.38
		For Drywall Or Plaster Ceilings, Add	31.99		
		For >50 To 100, Deduct	-10.29		
		For >100 To 250, Deduct	-18.79		
		For >250 To 500, Deduct	-34.03		
		For >500, Deduct	-49.27		
26 51 19 00-0039	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	620.03		55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	51.73		
		For >50 To 100, Deduct	-17.57		
		For >100 To 250, Deduct	-33.07		
		For >250 To 500, Deduct	-62.00		
		For >500, Deduct	-90.93		
26 51 19 00-0040		Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) (26 51 19 00-0035)			
26 51 19 00-0041	EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	884.90		43.00
		For >50 To 100, Deduct	-23.75		
		For >100 To 250, Deduct	-45.87		
		For >250 To 500, Deduct	-88.49		
		For >500, Deduct	-131.11		
26 51 19 00-0042	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	622.44		47.38
		For >50 To 100, Deduct	-17.34		
		For >100 To 250, Deduct	-32.90		
		For >250 To 500, Deduct	-62.24		
		For >500, Deduct	-91.59		
26 51 19 00-0043	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	810.88		55.20
		For >50 To 100, Deduct	-22.35		
		For >100 To 250, Deduct	-42.62		
		For >250 To 500, Deduct	-81.09		
		For >500, Deduct	-119.56		
26 51 19 00-0044		Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) (26 51 19 00-0035)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0045	EA		2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	410.06	47.38
			For >50 To 100, Deduct	-12.03	
			For >100 To 250, Deduct	-22.28	
			For >250 To 500, Deduct	-41.01	
			For >500, Deduct	-59.73	
26 51 19 00-0046	EA		3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	453.79	47.38
			For >50 To 100, Deduct	-13.12	
			For >100 To 250, Deduct	-24.47	
			For >250 To 500, Deduct	-45.38	
			For >500, Deduct	-66.29	
26 51 19 00-0047	EA		3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	386.00	47.38
			For >50 To 100, Deduct	-11.43	
			For >100 To 250, Deduct	-21.08	
			For >250 To 500, Deduct	-38.60	
			For >500, Deduct	-56.12	
26 51 19 00-0048	EA		4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	386.00	47.38
			For >50 To 100, Deduct	-11.43	
			For >100 To 250, Deduct	-21.08	
			For >250 To 500, Deduct	-38.60	
			For >500, Deduct	-56.12	
26 51 19 00-0049	EA		4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	414.43	47.38
			For >50 To 100, Deduct	-12.14	
			For >100 To 250, Deduct	-22.50	
			For >250 To 500, Deduct	-41.44	
			For >500, Deduct	-60.39	
26 51 19 00-0050 Volumetric, Lay-In/Troffer LED Fixtures (26 51 19 00-0034)					
26 51 19 00-0051 Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0050)					
26 51 19 00-0052	EA		1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	515.21	43.00
			For Drywall Or Plaster Ceilings, Add	29.32	
			For >50 To 100, Deduct	-14.51	
			For >100 To 250, Deduct	-27.39	
			For >250 To 500, Deduct	-51.52	
			For >500, Deduct	-75.65	
26 51 19 00-0053	EA		1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	695.44	43.00
			For Drywall Or Plaster Ceilings, Add	29.32	
			For >50 To 100, Deduct	-19.01	
			For >100 To 250, Deduct	-36.40	
			For >250 To 500, Deduct	-69.54	
			For >500, Deduct	-102.69	
26 51 19 00-0054	EA		2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	541.34	47.38
			For Drywall Or Plaster Ceilings With Frame Kit, Add	44.84	
			For >50 To 100, Deduct	-15.31	
			For >100 To 250, Deduct	-28.84	
			For >250 To 500, Deduct	-54.13	
			For >500, Deduct	-79.42	
26 51 19 00-0055	EA		2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	621.34	47.38
			For Drywall Or Plaster Ceilings With Frame Kit, Add	48.84	
			For >50 To 100, Deduct	-17.31	
			For >100 To 250, Deduct	-32.84	
			For >250 To 500, Deduct	-62.13	
			For >500, Deduct	-91.42	
26 51 19 00-0056	EA		2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	685.35	47.38
			For >50 To 100, Deduct	-18.91	
			For >100 To 250, Deduct	-36.04	
			For >250 To 500, Deduct	-68.54	
			For >500, Deduct	-101.03	
26 51 19 00-0057	EA		2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	697.20	55.20
			For Drywall Or Plaster Ceilings With Frame Kit, Add	55.59	
			For >50 To 100, Deduct	-19.50	
			For >100 To 250, Deduct	-36.93	
			For >250 To 500, Deduct	-69.72	
			For >500, Deduct	-102.51	
26 51 19 00-0058	EA		2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	761.20	55.20
			For Drywall Or Plaster Ceilings With Frame Kit, Add	58.79	
			For >50 To 100, Deduct	-21.10	
			For >100 To 250, Deduct	-40.13	
			For >250 To 500, Deduct	-76.12	
			For >500, Deduct	-112.11	
26 51 19 00-0059	EA		2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	825.21	55.20
			For Drywall Or Plaster Ceilings With Frame Kit, Add	61.99	
			For >50 To 100, Deduct	-22.70	
			For >100 To 250, Deduct	-43.33	
			For >250 To 500, Deduct	-82.52	
			For >500, Deduct	-121.71	
26 51 19 00-0060	EA		2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2).....	477.35	47.38
			For Drywall Or Plaster Ceilings With Frame Kit, Add	41.64	
			For >50 To 100, Deduct	-13.71	
			For >100 To 250, Deduct	-25.64	
			For >250 To 500, Deduct	-47.74	
			For >500, Deduct	-69.83	
26 51 19 00-0061	EA		2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2).....	557.34	47.38
			For Drywall Or Plaster Ceilings With Frame Kit, Add	45.64	
			For >50 To 100, Deduct	-15.71	
			For >100 To 250, Deduct	-29.64	
			For >250 To 500, Deduct	-55.73	
			For >500, Deduct	-81.82	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0062	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2).....	605.34	47.38
		For Drywall Or Plaster Ceilings With Frame Kit, Add	48.04	
		For >50 To 100, Deduct	-16.91	
		For >100 To 250, Deduct	-32.04	
		For >250 To 500, Deduct	-60.53	
		For >500, Deduct	-89.02	
26 51 19 00-0063	EA	2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4).....	601.20	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	50.79	
		For >50 To 100, Deduct	-17.10	
		For >100 To 250, Deduct	-32.13	
		For >250 To 500, Deduct	-60.12	
		For >500, Deduct	-88.11	
26 51 19 00-0064	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4).....	633.19	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	52.39	
		For >50 To 100, Deduct	-17.90	
		For >100 To 250, Deduct	-33.73	
		For >250 To 500, Deduct	-63.32	
		For >500, Deduct	-92.91	
26 51 19 00-0065	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4).....	697.20	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	55.59	
		For >50 To 100, Deduct	-19.50	
		For >100 To 250, Deduct	-36.93	
		For >250 To 500, Deduct	-69.72	
		For >500, Deduct	-102.51	

26 51 19 00-0066 Architectural, Lay-In/Troffer LED Fixtures (26 51 19 00-0034)

26 51 19 00-0067 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0066)

Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0068	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	384.85	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	39.98	
		For >50 To 100, Deduct	-11.69	
		For >100 To 250, Deduct	-21.32	
		For >250 To 500, Deduct	-38.49	
		For >500, Deduct	-55.65	
26 51 19 00-0069	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	449.14	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	43.19	
		For >50 To 100, Deduct	-13.30	
		For >100 To 250, Deduct	-24.53	
		For >250 To 500, Deduct	-44.91	
		For >500, Deduct	-65.30	
26 51 19 00-0070	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4).....	507.01	55.20
		For Drywall Or Plaster Ceilings With Frame Kit, Add	46.08	
		For >50 To 100, Deduct	-14.75	
		For >100 To 250, Deduct	-27.42	
		For >250 To 500, Deduct	-50.70	
		For >500, Deduct	-73.98	

26 51 19 00-0071 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) (26 51 19 00-0066)

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0072	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	490.62	55.20
		For Expanded Size Junction Box For Through Wiring, Add	5.20	
		For Drywall Or Plaster Ceilings, Add	153.44	
		For Surface Mount, Add	265.22	
		For >50 To 100, Deduct	-14.34	
		For >100 To 250, Deduct	-26.60	
		For >250 To 500, Deduct	-49.06	
		For >500, Deduct	-71.52	
26 51 19 00-0073	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	529.58	55.20
		For Expanded Size Junction Box For Through Wiring, Add	5.20	
		For Drywall Or Plaster Ceilings, Add	153.44	
		For Surface Mount, Add	265.22	
		For >50 To 100, Deduct	-15.31	
		For >100 To 250, Deduct	-28.55	
		For >250 To 500, Deduct	-52.96	
		For >500, Deduct	-77.36	
26 51 19 00-0074	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	529.58	55.20
		For Expanded Size Junction Box For Through Wiring, Add	5.20	
		For Drywall Or Plaster Ceilings, Add	153.44	
		For Surface Mount, Add	265.22	
		For >50 To 100, Deduct	-15.31	
		For >100 To 250, Deduct	-28.55	
		For >250 To 500, Deduct	-52.96	
		For >500, Deduct	-77.36	
26 51 19 00-0075	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™).....	587.10	55.20
		For Expanded Size Junction Box For Through Wiring, Add	5.20	
		For Drywall Or Plaster Ceilings, Add	153.44	
		For Surface Mount, Add	265.22	
		For >50 To 100, Deduct	-16.75	
		For >100 To 250, Deduct	-31.43	
		For >250 To 500, Deduct	-58.71	
		For >500, Deduct	-85.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0076	EA	2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	456.72	47.38	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	5.20		
		For Drywall Or Plaster Ceilings, Add	134.17		
		For Surface Mount, Add	249.86		
		For >50 To 100, Deduct	-13.20		
		For >100 To 250, Deduct	-24.61		
		For >250 To 500, Deduct	-45.67		
		For >500, Deduct	-66.73		
26 51 19 00-0077	EA	2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	430.52	47.38	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	5.20		
		For Drywall Or Plaster Ceilings, Add	134.17		
		For Surface Mount, Add	249.86		
		For >50 To 100, Deduct	-12.54		
		For >100 To 250, Deduct	-23.30		
		For >250 To 500, Deduct	-43.05		
		For >500, Deduct	-62.80		
26 51 19 00-0078	EA	2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	512.23	55.20	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	5.20		
		For Drywall Or Plaster Ceilings, Add	157.15		
		For Surface Mount, Add	289.34		
		For >50 To 100, Deduct	-14.88		
		For >100 To 250, Deduct	-27.68		
		For >250 To 500, Deduct	-51.22		
		For >500, Deduct	-74.76		
26 51 19 00-0079	EA	2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	529.58	55.20	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	5.20		
		For Drywall Or Plaster Ceilings, Add	157.15		
		For Surface Mount, Add	289.34		
		For >50 To 100, Deduct	-15.31		
		For >100 To 250, Deduct	-28.55		
		For >250 To 500, Deduct	-52.96		
		For >500, Deduct	-77.36		
26 51 19 00-0080	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	529.58	55.20	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	5.20		
		For Drywall Or Plaster Ceilings, Add	157.15		
		For Surface Mount, Add	289.34		
		For >50 To 100, Deduct	-15.31		
		For >100 To 250, Deduct	-28.55		
		For >250 To 500, Deduct	-52.96		
		For >500, Deduct	-77.36		
26 51 19 00-0081	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™)	676.16	55.20	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	5.20		
		For Drywall Or Plaster Ceilings, Add	157.15		
		For Surface Mount, Add	289.34		
		For >50 To 100, Deduct	-18.98		
		For >100 To 250, Deduct	-35.88		
		For >250 To 500, Deduct	-67.62		
		For >500, Deduct	-99.35		
26 51 19 00-0082	EA	2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	587.10	55.20	
		Note: CCT 30K to 50K			
		For Expanded Size Junction Box For Through Wiring, Add	5.20		
		For Drywall Or Plaster Ceilings, Add	157.15		
		For Surface Mount, Add	289.34		
		For >50 To 100, Deduct	-16.75		
		For >100 To 250, Deduct	-31.43		
		For >250 To 500, Deduct	-58.71		
		For >500, Deduct	-85.99		
26 51 19 00-0083		Architectural, Lay-In/Troffer LED Fixtures (Metalux®) (26 51 19 00-0066)			
		Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.			
26 51 19 00-0084	EA	2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	277.06	47.38	
		For >50 To 100, Deduct	-8.70		
		For >100 To 250, Deduct	-15.63		
		For >250 To 500, Deduct	-27.71		
		For >500, Deduct	-39.78		
26 51 19 00-0085	EA	2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	366.64	55.20	
		For >50 To 100, Deduct	-11.24		
		For >100 To 250, Deduct	-20.41		
		For >250 To 500, Deduct	-36.66		
		For >500, Deduct	-52.92		
26 51 19 00-0086		Architectural, Lay-In/Troffer LED Fixtures (Finelite) (26 51 19 00-0066)			
		Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.			
26 51 19 00-0087	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	410.65	47.38	
		For >50 To 100, Deduct	-12.04		
		For >100 To 250, Deduct	-22.31		
		For >250 To 500, Deduct	-41.07		
		For >500, Deduct	-59.82		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 51 19 00-0088	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	556.69	55.67	
		For >50 To 100, Deduct	-15.99		
		For >100 To 250, Deduct	-29.91		
		For >250 To 500, Deduct	-55.67		
		For >500, Deduct	-81.43		
26 51 19 00-0089		Shadow Box Style, Lay-In/Troffer LED Fixtures (26 51 19 00-0034)			
26 51 19 00-0090		Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) (26 51 19 00-0089)			
26 51 19 00-0091	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	652.29	47.38	
		For Drywall Or Plaster Ceilings, Add	31.99		
		For >50 To 100, Deduct	-18.08		
		For >100 To 250, Deduct	-34.39		
		For >250 To 500, Deduct	-65.23		
		For >500, Deduct	-96.07		
26 51 19 00-0092	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	889.91	55.20	
		For Drywall Or Plaster Ceilings With Frame Kit, Add	65.23		
		For >50 To 100, Deduct	-24.32		
		For >100 To 250, Deduct	-46.57		
		For >250 To 500, Deduct	-88.99		
		For >500, Deduct	-131.41		
26 51 19 00-0093		Panel Type, Lay-In/Troffer LED Fixtures (26 51 19 00-0034)			
26 51 19 00-0094		Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) (26 51 19 00-0093)			
26 51 19 00-0095	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	445.47	55.20	
		For >50 To 100, Deduct	-13.21		
		For >100 To 250, Deduct	-24.35		
		For >250 To 500, Deduct	-44.55		
		For >500, Deduct	-64.75		
26 51 19 00-0096	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	462.83	55.20	
		For >50 To 100, Deduct	-13.64		
		For >100 To 250, Deduct	-25.21		
		For >250 To 500, Deduct	-46.28		
		For >500, Deduct	-67.35		
26 51 19 00-0097	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	577.89	55.20	
		For >50 To 100, Deduct	-16.52		
		For >100 To 250, Deduct	-30.97		
		For >250 To 500, Deduct	-57.79		
		For >500, Deduct	-84.61		
26 51 19 00-0098	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	577.89	55.20	
		For >50 To 100, Deduct	-16.52		
		For >100 To 250, Deduct	-30.97		
		For >250 To 500, Deduct	-57.79		
		For >500, Deduct	-84.61		
26 51 19 00-0099		Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) (26 51 19 00-0093)			
26 51 19 00-0100	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)	235.51	55.20	
		For Surface Mounting Kit (Sylvania SMK1T1A/14A/WH), Add	57.00		
		For >50 To 100, Deduct	-7.96		
		For >100 To 250, Deduct	-13.85		
		For >250 To 500, Deduct	-23.55		
		For >500, Deduct	-33.25		
26 51 19 00-0101	EA	2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH)	242.95	55.20	
		For >50 To 100, Deduct	-8.15		
		For >100 To 250, Deduct	-14.22		
		For >250 To 500, Deduct	-24.30		
		For >500, Deduct	-34.37		
26 51 19 00-0102	EA	2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)	246.35	55.20	
		For Surface Mounting Kit (Sylvania SMK1T1A/24A/WH)	71.25		
		For >50 To 100, Deduct	-8.23		
		For >100 To 250, Deduct	-14.39		
		For >250 To 500, Deduct	-24.64		
		For >500, Deduct	-34.88		
26 51 19 00-0103	EA	2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMK1T1A/24A/WH)	567.44	55.20	
		For >50 To 100, Deduct	-16.26		
		For >100 To 250, Deduct	-30.45		
		For >250 To 500, Deduct	-56.74		
		For >500, Deduct	-83.04		
26 51 19 00-0104		Surface Mount LED Fixtures (26 51 19 00-0001)			
26 51 19 00-0105		Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 19 00-0104)			
26 51 19 00-0106	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	335.94	35.53	
		For >50 To 100, Deduct	-9.73		
		For >100 To 250, Deduct	-18.13		
		For >250 To 500, Deduct	-33.59		
		For >500, Deduct	-49.06		
26 51 19 00-0107	EA	4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	304.25	43.35	
		For >50 To 100, Deduct	-9.24		
		For >100 To 250, Deduct	-16.84		
		For >250 To 500, Deduct	-30.43		
		For >500, Deduct	-44.01		

				Electrical	26	26
				Lighting	26 50	
				Interior Lighting	26 51	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
				UNIT COST	UNIT COST	
26 51 19 00-0108	EA		4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	341.02	43.35	
			For >50 To 100, Deduct	-10.15		
			For >100 To 250, Deduct	-18.68		
			For >250 To 500, Deduct	-34.10		
			For >500, Deduct	-49.52		
26 51 19 00-0109			Surface Mount, Wraparound LED Fixtures (Lithonia LBL) (26 51 19 00-0104)			
26 51 19 00-0110	EA		2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	282.71	35.53	
			For >50 To 100, Deduct	-8.40		
			For >100 To 250, Deduct	-15.47		
			For >250 To 500, Deduct	-28.27		
			For >500, Deduct	-41.07		
26 51 19 00-0111	EA		4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	371.44	43.35	
			For >50 To 100, Deduct	-10.91		
			For >100 To 250, Deduct	-20.20		
			For >250 To 500, Deduct	-37.14		
			For >500, Deduct	-54.09		
26 51 19 00-0112			Surface Mount, Shadow Box Style LED Fixtures (26 51 19 00-0104)			
26 51 19 00-0113			Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 19 00-0112)			
26 51 19 00-0114	EA		2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	836.81	47.38	
			For >50 To 100, Deduct	-22.70		
			For >100 To 250, Deduct	-43.62		
			For >250 To 500, Deduct	-83.68		
			For >500, Deduct	-123.74		
26 51 19 00-0115	EA		2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	1,074.43	55.20	
			For >50 To 100, Deduct	-28.93		
			For >100 To 250, Deduct	-55.79		
			For >250 To 500, Deduct	-107.44		
			For >500, Deduct	-159.09		
26 51 19 00-0116			Surface Mount, Low Profile Fixtures (26 51 19 00-0104)			
26 51 19 00-0117	EA		6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	111.98	32.47	
			For >50 To 100, Deduct	-4.42		
			For >100 To 250, Deduct	-7.22		
			For >250 To 500, Deduct	-11.20		
			For >500, Deduct	-15.17		
26 51 19 00-0118	EA		6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	91.55	32.47	
			For >50 To 100, Deduct	-3.91		
			For >100 To 250, Deduct	-6.20		
			For >250 To 500, Deduct	-9.16		
			For >500, Deduct	-12.11		
26 51 19 00-0119	EA		13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	154.87	32.47	
			For >50 To 100, Deduct	-5.49		
			For >100 To 250, Deduct	-9.37		
			For >250 To 500, Deduct	-15.49		
			For >500, Deduct	-21.61		
26 51 19 00-0120	EA		15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	187.56	32.47	
			For >50 To 100, Deduct	-6.31		
			For >100 To 250, Deduct	-11.00		
			For >250 To 500, Deduct	-18.76		
			For >500, Deduct	-26.51		
26 51 19 00-0121			Recessed LED Downlights (26 51 19 00-0001)			
26 51 19 00-0122			Recessed LED Downlights (26 51 19 00-0121)			
26 51 19 00-0123			Recessed LED Downlights (Lithonia) (26 51 19 00-0122)			
			Note: Includes housing and trim.			
26 51 19 00-0124	EA		8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	384.93	57.05	
			For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	79.26		
			For >50 To 100, Deduct	-11.76		
			For >100 To 250, Deduct	-21.39		
			For >250 To 500, Deduct	-38.49		
			For >500, Deduct	-55.60		
26 51 19 00-0125	EA		8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	417.08	57.05	
			For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	79.26		
			For >50 To 100, Deduct	-12.57		
			For >100 To 250, Deduct	-22.99		
			For >250 To 500, Deduct	-41.71		
			For >500, Deduct	-60.42		
26 51 19 00-0126			Recessed LED Downlights (Portfolio®) (26 51 19 00-0122)			
			Note: Includes housing and trim.			
26 51 19 00-0127	EA		4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413).....	248.20	57.05	
			For >50 To 100, Deduct	-8.34		
			For >100 To 250, Deduct	-14.55		
			For >250 To 500, Deduct	-24.82		
			For >500, Deduct	-35.09		
26 51 19 00-0128			Recessed LED Downlights (Gotham® EVO®) (26 51 19 00-0122)			
			Note: Includes housing and trim.			

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 51 19 00-0129	EA 6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	316.91		57.05
	For >50 To 100, Deduct	-10.06		
	For >100 To 250, Deduct	-17.99		
	For >250 To 500, Deduct	-31.69		
	For >500, Deduct	-45.40		
26 51 19 00-0130	EA 6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	326.80		57.05
	For >50 To 100, Deduct	-10.31		
	For >100 To 250, Deduct	-18.48		
	For >250 To 500, Deduct	-32.68		
	For >500, Deduct	-46.88		
26 51 19 00-0131	EA 6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	367.38		57.05
	For >50 To 100, Deduct	-11.32		
	For >100 To 250, Deduct	-20.51		
	For >250 To 500, Deduct	-36.74		
	For >500, Deduct	-52.97		
26 51 19 00-0132	EA 6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	371.35		57.05
	For >50 To 100, Deduct	-11.42		
	For >100 To 250, Deduct	-20.71		
	For >250 To 500, Deduct	-37.14		
	For >500, Deduct	-53.56		
26 51 19 00-0133	EA 6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	405.98		57.05
	For >50 To 100, Deduct	-12.29		
	For >100 To 250, Deduct	-22.44		
	For >250 To 500, Deduct	-40.60		
	For >500, Deduct	-58.76		
26 51 19 00-0134 Recessed LED Downlights (Lightolier) (26 51 19 00-0122)				
Note: Includes housing and trim.				
26 51 19 00-0135	EA 4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	626.16		57.05
	For >50 To 100, Deduct	-17.79		
	For >100 To 250, Deduct	-33.45		
	For >250 To 500, Deduct	-62.62		
	For >500, Deduct	-91.78		
26 51 19 00-0136	EA 4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	734.55		57.05
	For >50 To 100, Deduct	-20.50		
	For >100 To 250, Deduct	-38.87		
	For >250 To 500, Deduct	-73.46		
	For >500, Deduct	-108.04		
26 51 19 00-0137	EA 6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	788.63		57.05
	For >50 To 100, Deduct	-21.86		
	For >100 To 250, Deduct	-41.57		
	For >250 To 500, Deduct	-78.86		
	For >500, Deduct	-116.16		
26 51 19 00-0138	EA 6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	788.63		57.05
	For >50 To 100, Deduct	-21.86		
	For >100 To 250, Deduct	-41.57		
	For >250 To 500, Deduct	-78.86		
	For >500, Deduct	-116.16		
26 51 19 00-0139	EA 7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	815.79		57.05
	For >50 To 100, Deduct	-22.53		
	For >100 To 250, Deduct	-42.93		
	For >250 To 500, Deduct	-81.58		
	For >500, Deduct	-120.23		
26 51 19 00-0140	EA 7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	842.97		57.05
	For >50 To 100, Deduct	-23.21		
	For >100 To 250, Deduct	-44.29		
	For >250 To 500, Deduct	-84.30		
	For >500, Deduct	-124.31		
26 51 19 00-0141 Recessed LED Downlights (Cooper) (26 51 19 00-0122)				
26 51 19 00-0142	EA 600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	157.49		57.05
	For >50 To 100, Deduct	-6.08		
	For >100 To 250, Deduct	-10.01		
	For >250 To 500, Deduct	-15.75		
	For >500, Deduct	-21.48		
26 51 19 00-0143	EA 600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	157.49		57.05
	For >50 To 100, Deduct	-6.08		
	For >100 To 250, Deduct	-10.01		
	For >250 To 500, Deduct	-15.75		
	For >500, Deduct	-21.48		
26 51 19 00-0144	EA 600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	157.49		57.05
	For >50 To 100, Deduct	-6.08		
	For >100 To 250, Deduct	-10.01		
	For >250 To 500, Deduct	-15.75		
	For >500, Deduct	-21.48		
26 51 19 00-0145	EA 600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	157.49		57.05
	For >50 To 100, Deduct	-6.08		
	For >100 To 250, Deduct	-10.01		
	For >250 To 500, Deduct	-15.75		
	For >500, Deduct	-21.48		

		Electrical	26	26
		Lighting	26 50	
		Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0146	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	.....	160.17	57.05
		For >50 To 100, Deduct		-6.14	
		For >100 To 250, Deduct		-10.15	
		For >250 To 500, Deduct		-16.02	
		For >500, Deduct		-21.89	
26 51 19 00-0147	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	.....	160.17	57.05
		For >50 To 100, Deduct		-6.14	
		For >100 To 250, Deduct		-10.15	
		For >250 To 500, Deduct		-16.02	
		For >500, Deduct		-21.89	
26 51 19 00-0148	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	.....	160.17	57.05
		For >50 To 100, Deduct		-6.14	
		For >100 To 250, Deduct		-10.15	
		For >250 To 500, Deduct		-16.02	
		For >500, Deduct		-21.89	
26 51 19 00-0149	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	.....	160.17	57.05
		For >50 To 100, Deduct		-6.14	
		For >100 To 250, Deduct		-10.15	
		For >250 To 500, Deduct		-16.02	
		For >500, Deduct		-21.89	
26 51 19 00-0150	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	.....	196.48	57.05
		For >50 To 100, Deduct		-7.05	
		For >100 To 250, Deduct		-11.96	
		For >250 To 500, Deduct		-19.65	
		For >500, Deduct		-27.33	
26 51 19 00-0151	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	.....	194.64	57.05
		For >50 To 100, Deduct		-7.01	
		For >100 To 250, Deduct		-11.87	
		For >250 To 500, Deduct		-19.46	
		For >500, Deduct		-27.06	
26 51 19 00-0152	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	.....	194.64	57.05
		For >50 To 100, Deduct		-7.01	
		For >100 To 250, Deduct		-11.87	
		For >250 To 500, Deduct		-19.46	
		For >500, Deduct		-27.06	
26 51 19 00-0153	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	.....	194.64	57.05
		For >50 To 100, Deduct		-7.01	
		For >100 To 250, Deduct		-11.87	
		For >250 To 500, Deduct		-19.46	
		For >500, Deduct		-27.06	
26 51 19 00-0154	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	.....	91.84	18.15
		For >50 To 100, Deduct		-2.98	
		For >100 To 250, Deduct		-5.27	
		For >250 To 500, Deduct		-9.18	
		For >500, Deduct		-13.10	
26 51 19 00-0155	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	.....	58.61	18.15
		For >50 To 100, Deduct		-2.15	
		For >100 To 250, Deduct		-3.61	
		For >250 To 500, Deduct		-5.86	
		For >500, Deduct		-8.11	
26 51 19 00-0156	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	.....	72.91	18.15
		For >50 To 100, Deduct		-2.50	
		For >100 To 250, Deduct		-4.33	
		For >250 To 500, Deduct		-7.29	
		For >500, Deduct		-10.26	
26 51 19 00-0157	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	.....	61.49	18.15
		For >50 To 100, Deduct		-2.22	
		For >100 To 250, Deduct		-3.76	
		For >250 To 500, Deduct		-6.15	
		For >500, Deduct		-8.54	
26 51 19 00-0158	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	.....	49.80	18.15
		For >50 To 100, Deduct		-1.93	
		For >100 To 250, Deduct		-3.17	
		For >250 To 500, Deduct		-4.98	
		For >500, Deduct		-6.79	
26 51 19 00-0159	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	.....	60.97	18.15
		For >50 To 100, Deduct		-2.21	
		For >100 To 250, Deduct		-3.73	
		For >250 To 500, Deduct		-6.10	
		For >500, Deduct		-8.46	
26 51 19 00-0160	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	.....	67.77	18.15
		For >50 To 100, Deduct		-2.38	
		For >100 To 250, Deduct		-4.07	
		For >250 To 500, Deduct		-6.78	
		For >500, Deduct		-9.48	
26 51 19 00-0161	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	.....	73.84	18.15
		For >50 To 100, Deduct		-2.53	
		For >100 To 250, Deduct		-4.37	
		For >250 To 500, Deduct		-7.38	
		For >500, Deduct		-10.40	
26 51 19 00-0162	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	.....	85.68	18.15
		For >50 To 100, Deduct		-2.82	
		For >100 To 250, Deduct		-4.96	
		For >250 To 500, Deduct		-8.57	
		For >500, Deduct		-12.17	
26 51 19 00-0163	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	.....	86.06	18.15
		For >50 To 100, Deduct		-2.83	
		For >100 To 250, Deduct		-4.98	
		For >250 To 500, Deduct		-8.61	
		For >500, Deduct		-12.23	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0164	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	84.36	18.15
		For >50 To 100, Deduct	-2.79	
		For >100 To 250, Deduct	-4.90	
		For >250 To 500, Deduct	-8.44	
		For >500, Deduct	-11.97	
26 51 19 00-0165	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	103.79	18.15
		For >50 To 100, Deduct	-3.28	
		For >100 To 250, Deduct	-5.87	
		For >250 To 500, Deduct	-10.38	
		For >500, Deduct	-14.89	
26 51 19 00-0166	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	50.21	18.15
		For >50 To 100, Deduct	-1.94	
		For >100 To 250, Deduct	-3.19	
		For >250 To 500, Deduct	-5.02	
		For >500, Deduct	-6.85	
26 51 19 00-0167	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB)	89.00	18.15
		For >50 To 100, Deduct	-2.91	
		For >100 To 250, Deduct	-5.13	
		For >250 To 500, Deduct	-8.90	
		For >500, Deduct	-12.67	
26 51 19 00-0168	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	75.92	18.15
		For >50 To 100, Deduct	-2.58	
		For >100 To 250, Deduct	-4.48	
		For >250 To 500, Deduct	-7.59	
		For >500, Deduct	-10.71	
26 51 19 00-0169	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	71.33	18.15
		For >50 To 100, Deduct	-2.46	
		For >100 To 250, Deduct	-4.25	
		For >250 To 500, Deduct	-7.13	
		For >500, Deduct	-10.02	
26 51 19 00-0170	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	63.77	18.15
		For >50 To 100, Deduct	-2.28	
		For >100 To 250, Deduct	-3.87	
		For >250 To 500, Deduct	-6.38	
		For >500, Deduct	-8.88	
26 51 19 00-0171	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	64.31	18.15
		For >50 To 100, Deduct	-2.29	
		For >100 To 250, Deduct	-3.90	
		For >250 To 500, Deduct	-6.43	
		For >500, Deduct	-8.97	
26 51 19 00-0172	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	69.17	18.15
		For >50 To 100, Deduct	-2.41	
		For >100 To 250, Deduct	-4.14	
		For >250 To 500, Deduct	-6.92	
		For >500, Deduct	-9.69	
26 51 19 00-0173	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	63.47	18.15
		For >50 To 100, Deduct	-2.27	
		For >100 To 250, Deduct	-3.85	
		For >250 To 500, Deduct	-6.35	
		For >500, Deduct	-8.84	
26 51 19 00-0174	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	78.95	18.15
		For >50 To 100, Deduct	-2.65	
		For >100 To 250, Deduct	-4.63	
		For >250 To 500, Deduct	-7.90	
		For >500, Deduct	-11.16	
26 51 19 00-0175	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	85.48	18.15
		For >50 To 100, Deduct	-2.82	
		For >100 To 250, Deduct	-4.95	
		For >250 To 500, Deduct	-8.55	
		For >500, Deduct	-12.14	
26 51 19 00-0176	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	107.19	18.15
		For >50 To 100, Deduct	-3.36	
		For >100 To 250, Deduct	-6.04	
		For >250 To 500, Deduct	-10.72	
		For >500, Deduct	-15.40	
26 51 19 00-0177	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	104.47	18.15
		For >50 To 100, Deduct	-3.29	
		For >100 To 250, Deduct	-5.90	
		For >250 To 500, Deduct	-10.45	
		For >500, Deduct	-14.99	
26 51 19 00-0178	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	105.67	18.15
		For >50 To 100, Deduct	-3.32	
		For >100 To 250, Deduct	-5.96	
		For >250 To 500, Deduct	-10.57	
		For >500, Deduct	-15.17	
26 51 19 00-0179	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	64.97	18.15
		For >50 To 100, Deduct	-2.31	
		For >100 To 250, Deduct	-3.93	
		For >250 To 500, Deduct	-6.50	
		For >500, Deduct	-9.06	
26 51 19 00-0180	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	64.18	38.90
		For >50 To 100, Deduct	-3.06	
		For >100 To 250, Deduct	-4.67	
		For >250 To 500, Deduct	-6.42	
		For >500, Deduct	-8.17	

		Electrical	26	26
		Lighting	26 50	
		Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0181	EA	6"	LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	69.49	38.90
			For >50 To 100, Deduct	-3.20	
			For >100 To 250, Deduct	-4.93	
			For >250 To 500, Deduct	-6.95	
			For >500, Deduct	-8.97	
26 51 19 00-0182	EA	6"	LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	67.36	38.90
			For >50 To 100, Deduct	-3.14	
			For >100 To 250, Deduct	-4.83	
			For >250 To 500, Deduct	-6.74	
			For >500, Deduct	-8.65	
26 51 19 00-0183	EA	6"	LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	88.31	38.90
			For >50 To 100, Deduct	-3.67	
			For >100 To 250, Deduct	-5.87	
			For >250 To 500, Deduct	-8.83	
			For >500, Deduct	-11.79	
26 51 19 00-0184	EA	6"	LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	85.85	38.90
			For >50 To 100, Deduct	-3.60	
			For >100 To 250, Deduct	-5.75	
			For >250 To 500, Deduct	-8.59	
			For >500, Deduct	-11.42	
26 51 19 00-0185	EA	6"	Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	70.22	38.90
			For >50 To 100, Deduct	-3.21	
			For >100 To 250, Deduct	-4.97	
			For >250 To 500, Deduct	-7.02	
			For >500, Deduct	-9.07	
26 51 19 00-0186	EA	6"	Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	73.80	38.90
			For >50 To 100, Deduct	-3.30	
			For >100 To 250, Deduct	-5.15	
			For >250 To 500, Deduct	-7.38	
			For >500, Deduct	-9.61	
26 51 19 00-0187	EA	6"	Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	69.47	38.90
			For >50 To 100, Deduct	-3.20	
			For >100 To 250, Deduct	-4.93	
			For >250 To 500, Deduct	-6.95	
			For >500, Deduct	-8.96	
26 51 19 00-0188	EA	6"	Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	73.39	38.90
			For >50 To 100, Deduct	-3.29	
			For >100 To 250, Deduct	-5.13	
			For >250 To 500, Deduct	-7.34	
			For >500, Deduct	-9.55	
26 51 19 00-0189	EA	6"	Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	70.12	38.90
			For >50 To 100, Deduct	-3.21	
			For >100 To 250, Deduct	-4.96	
			For >250 To 500, Deduct	-7.01	
			For >500, Deduct	-9.06	
26 51 19 00-0190	EA	6"	Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	69.75	38.90
			For >50 To 100, Deduct	-3.20	
			For >100 To 250, Deduct	-4.95	
			For >250 To 500, Deduct	-6.98	
			For >500, Deduct	-9.00	
26 51 19 00-0191	EA	6"	Non-IC, New Construction Housing (Cooper Halo H7T)	72.58	38.90
			For >50 To 100, Deduct	-3.27	
			For >100 To 250, Deduct	-5.09	
			For >250 To 500, Deduct	-7.26	
			For >500, Deduct	-9.43	
26 51 19 00-0192	EA	6"	Non-IC, Remodel Housing (Cooper Halo H7RT)	74.12	38.90
			For >50 To 100, Deduct	-3.31	
			For >100 To 250, Deduct	-5.16	
			For >250 To 500, Deduct	-7.41	
			For >500, Deduct	-9.66	
26 51 19 00-0193	EA	6"	Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	74.61	38.90
			For >50 To 100, Deduct	-3.32	
			For >100 To 250, Deduct	-5.19	
			For >250 To 500, Deduct	-7.46	
			For >500, Deduct	-9.73	
26 51 19 00-0194	EA	6"	Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	98.34	38.90
			For >50 To 100, Deduct	-3.92	
			For >100 To 250, Deduct	-6.38	
			For >250 To 500, Deduct	-9.83	
			For >500, Deduct	-13.29	
26 51 19 00-0195	EA	6"	Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT)	92.38	38.90
			For >50 To 100, Deduct	-3.77	
			For >100 To 250, Deduct	-6.08	
			For >250 To 500, Deduct	-9.24	
			For >500, Deduct	-12.40	
26 51 19 00-0196	EA	6"	Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	93.07	38.90
			For >50 To 100, Deduct	-3.79	
			For >100 To 250, Deduct	-6.11	
			For >250 To 500, Deduct	-9.31	
			For >500, Deduct	-12.50	
26 51 19 00-0197	EA	6"	Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	97.05	38.90
			For >50 To 100, Deduct	-3.88	
			For >100 To 250, Deduct	-6.31	
			For >250 To 500, Deduct	-9.71	
			For >500, Deduct	-13.10	
26 51 19 00-0198	EA	6"	Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	97.05	38.90
			For >50 To 100, Deduct	-3.88	
			For >100 To 250, Deduct	-6.31	
			For >250 To 500, Deduct	-9.71	
			For >500, Deduct	-13.10	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 51 19 00-0199	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700).....	97.05	38.90
		For>50 To 100, Deduct	-3.88	
		For>100 To 250, Deduct	-6.31	
		For>250 To 500, Deduct	-9.71	
		For>500, Deduct	-13.10	
26 51 19 00-0200	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	97.05	38.90
		For>50 To 100, Deduct	-3.88	
		For>100 To 250, Deduct	-6.31	
		For>250 To 500, Deduct	-9.71	
		For>500, Deduct	-13.10	
26 51 19 00-0201	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	97.05	38.90
		For>50 To 100, Deduct	-3.88	
		For>100 To 250, Deduct	-6.31	
		For>250 To 500, Deduct	-9.71	
		For>500, Deduct	-13.10	
26 51 19 00-0202	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	86.64	38.90
		For>50 To 100, Deduct	-3.62	
		For>100 To 250, Deduct	-5.79	
		For>250 To 500, Deduct	-8.66	
		For>500, Deduct	-11.54	
26 51 19 00-0203	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U).....	86.64	38.90
		For>50 To 100, Deduct	-3.62	
		For>100 To 250, Deduct	-5.79	
		For>250 To 500, Deduct	-8.66	
		For>500, Deduct	-11.54	
26 51 19 00-0204	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT).....	86.64	38.90
		For>50 To 100, Deduct	-3.62	
		For>100 To 250, Deduct	-5.79	
		For>250 To 500, Deduct	-8.66	
		For>500, Deduct	-11.54	
26 51 19 00-0205	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700).....	86.64	38.90
		For>50 To 100, Deduct	-3.62	
		For>100 To 250, Deduct	-5.79	
		For>250 To 500, Deduct	-8.66	
		For>500, Deduct	-11.54	
26 51 19 00-0206	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	86.64	38.90
		For>50 To 100, Deduct	-3.62	
		For>100 To 250, Deduct	-5.79	
		For>250 To 500, Deduct	-8.66	
		For>500, Deduct	-11.54	
26 51 19 00-0207	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	87.40	38.90
		For>50 To 100, Deduct	-3.64	
		For>100 To 250, Deduct	-5.83	
		For>250 To 500, Deduct	-8.74	
		For>500, Deduct	-11.65	
26 51 19 00-0208	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	99.10	38.90
		For>50 To 100, Deduct	-3.94	
		For>100 To 250, Deduct	-6.41	
		For>250 To 500, Deduct	-9.91	
		For>500, Deduct	-13.41	
26 51 19 00-0209	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT).....	87.40	38.90
		For>50 To 100, Deduct	-3.64	
		For>100 To 250, Deduct	-5.83	
		For>250 To 500, Deduct	-8.74	
		For>500, Deduct	-11.65	
26 51 19 00-0210	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	95.79	38.90
		For>50 To 100, Deduct	-3.85	
		For>100 To 250, Deduct	-6.25	
		For>250 To 500, Deduct	-9.58	
		For>500, Deduct	-12.91	
26 51 19 00-0211	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	82.66	38.90
		For>50 To 100, Deduct	-3.53	
		For>100 To 250, Deduct	-5.59	
		For>250 To 500, Deduct	-8.27	
		For>500, Deduct	-10.94	
26 51 19 00-0212	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT).....	83.81	38.90
		For>50 To 100, Deduct	-3.55	
		For>100 To 250, Deduct	-5.65	
		For>250 To 500, Deduct	-8.38	
		For>500, Deduct	-11.11	
26 51 19 00-0213	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT).....	91.99	38.90
		For>50 To 100, Deduct	-3.76	
		For>100 To 250, Deduct	-6.06	
		For>250 To 500, Deduct	-9.20	
		For>500, Deduct	-12.34	
26 51 19 00-0214	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700).....	91.99	38.90
		For>50 To 100, Deduct	-3.76	
		For>100 To 250, Deduct	-6.06	
		For>250 To 500, Deduct	-9.20	
		For>500, Deduct	-12.34	
26 51 19 00-0215	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	91.99	38.90
		For>50 To 100, Deduct	-3.76	
		For>100 To 250, Deduct	-6.06	
		For>250 To 500, Deduct	-9.20	
		For>500, Deduct	-12.34	
26 51 19 00-0216	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	91.99	38.90
		For>50 To 100, Deduct	-3.76	
		For>100 To 250, Deduct	-6.06	
		For>250 To 500, Deduct	-9.20	
		For>500, Deduct	-12.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0217	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R).....	91.99	38.90	
		For >50 To 100, Deduct	-3.76		
		For >100 To 250, Deduct	-6.06		
		For >250 To 500, Deduct	-9.20		
		For >500, Deduct	-12.34		
26 51 19 00-0218	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	73.60	18.15	
		For >50 To 100, Deduct	-2.52		
		For >100 To 250, Deduct	-4.36		
		For >250 To 500, Deduct	-7.36		
		For >500, Deduct	-10.36		
26 51 19 00-0219	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK).....	75.98	18.15	
		For >50 To 100, Deduct	-2.58		
		For >100 To 250, Deduct	-4.48		
		For >250 To 500, Deduct	-7.60		
		For >500, Deduct	-10.72		
26 51 19 00-0220	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT).....	77.48	38.90	
		For >50 To 100, Deduct	-3.40		
		For >100 To 250, Deduct	-5.33		
		For >250 To 500, Deduct	-7.75		
		For >500, Deduct	-10.16		
26 51 19 00-0221	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	77.77	38.90	
		For >50 To 100, Deduct	-3.40		
		For >100 To 250, Deduct	-5.35		
		For >250 To 500, Deduct	-7.78		
		For >500, Deduct	-10.21		
26 51 19 00-0222	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT).....	72.83	38.90	
		For >50 To 100, Deduct	-3.28		
		For >100 To 250, Deduct	-5.10		
		For >250 To 500, Deduct	-7.28		
		For >500, Deduct	-9.47		
26 51 19 00-0223	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	75.26	38.90	
		For >50 To 100, Deduct	-3.34		
		For >100 To 250, Deduct	-5.22		
		For >250 To 500, Deduct	-7.53		
		For >500, Deduct	-9.83		
26 51 19 00-0224	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T).....	74.46	38.90	
		For >50 To 100, Deduct	-3.32		
		For >100 To 250, Deduct	-5.18		
		For >250 To 500, Deduct	-7.45		
		For >500, Deduct	-9.71		
26 51 19 00-0225	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT).....	75.20	38.90	
		For >50 To 100, Deduct	-3.34		
		For >100 To 250, Deduct	-5.22		
		For >250 To 500, Deduct	-7.52		
		For >500, Deduct	-9.82		
26 51 19 00-0226	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT).....	85.60	38.90	
		For >50 To 100, Deduct	-3.60		
		For >100 To 250, Deduct	-5.74		
		For >250 To 500, Deduct	-8.56		
		For >500, Deduct	-11.38		
26 51 19 00-0227	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	86.16	38.90	
		For >50 To 100, Deduct	-3.61		
		For >100 To 250, Deduct	-5.77		
		For >250 To 500, Deduct	-8.62		
		For >500, Deduct	-11.47		
26 51 19 00-0228	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500).....	88.96	38.90	
		For >50 To 100, Deduct	-3.68		
		For >100 To 250, Deduct	-5.91		
		For >250 To 500, Deduct	-8.90		
		For >500, Deduct	-11.89		
26 51 19 00-0229	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	90.92	38.90	
		For >50 To 100, Deduct	-3.73		
		For >100 To 250, Deduct	-6.00		
		For >250 To 500, Deduct	-9.09		
		For >500, Deduct	-12.18		
26 51 19 00-0230	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT).....	99.53	38.90	
		For >50 To 100, Deduct	-3.95		
		For >100 To 250, Deduct	-6.44		
		For >250 To 500, Deduct	-9.95		
		For >500, Deduct	-13.47		
26 51 19 00-0231		Recessed LED Downlights (Maxlite DLR) (26 51 19 00-0122)			
26 51 19 00-0232	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	184.07	57.05	
		For >50 To 100, Deduct	-6.74		
		For >100 To 250, Deduct	-11.34		
		For >250 To 500, Deduct	-18.41		
		For >500, Deduct	-25.47		
26 51 19 00-0233	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	186.60	57.05	
		For >50 To 100, Deduct	-6.80		
		For >100 To 250, Deduct	-11.47		
		For >250 To 500, Deduct	-18.66		
		For >500, Deduct	-25.85		
26 51 19 00-0234	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	194.18	57.05	
		For >50 To 100, Deduct	-6.99		
		For >100 To 250, Deduct	-11.85		
		For >250 To 500, Deduct	-19.42		
		For >500, Deduct	-26.99		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 19 00-0235	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	179.01		57.05
		For >50 To 100, Deduct	-6.61		
		For >100 To 250, Deduct	-11.09		
		For >250 To 500, Deduct	-17.90		
		For >500, Deduct	-24.71		
26 51 19 00-0236	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	179.01		57.05
		For >50 To 100, Deduct	-6.61		
		For >100 To 250, Deduct	-11.09		
		For >250 To 500, Deduct	-17.90		
		For >500, Deduct	-24.71		
26 51 19 00-0237	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	179.01		57.05
		For >50 To 100, Deduct	-6.61		
		For >100 To 250, Deduct	-11.09		
		For >250 To 500, Deduct	-17.90		
		For >500, Deduct	-24.71		
26 51 19 00-0238	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	194.18		57.05
		For >50 To 100, Deduct	-6.99		
		For >100 To 250, Deduct	-11.85		
		For >250 To 500, Deduct	-19.42		
		For >500, Deduct	-26.99		
26 51 19 00-0239	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	196.70		57.05
		For >50 To 100, Deduct	-7.06		
		For >100 To 250, Deduct	-11.97		
		For >250 To 500, Deduct	-19.67		
		For >500, Deduct	-27.37		
26 51 19 00-0240	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	201.74		57.05
		For >50 To 100, Deduct	-7.18		
		For >100 To 250, Deduct	-12.23		
		For >250 To 500, Deduct	-20.17		
		For >500, Deduct	-28.12		
26 51 19 00-0241	EA	8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	216.89		57.05
		For >50 To 100, Deduct	-7.56		
		For >100 To 250, Deduct	-12.98		
		For >250 To 500, Deduct	-21.69		
		For >500, Deduct	-30.39		
26 51 19 00-0242	EA	8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	237.10		57.05
		For >50 To 100, Deduct	-8.07		
		For >100 To 250, Deduct	-13.99		
		For >250 To 500, Deduct	-23.71		
		For >500, Deduct	-33.43		
26 51 19 00-0243		Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 19 00-0121)			
26 51 19 00-0244		Recessed LED Downlight Retrofits (CREE®) (26 51 19 00-0243)			
		Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.			
26 51 19 00-0245	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	113.19		
		For >50 To 100, Deduct	-3.64		
		For >100 To 250, Deduct	-6.47		
		For >250 To 500, Deduct	-11.32		
		For >500, Deduct	-16.17		
26 51 19 00-0246	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	100.09		
		For >50 To 100, Deduct	-3.31		
		For >100 To 250, Deduct	-5.82		
		For >250 To 500, Deduct	-10.01		
		For >500, Deduct	-14.20		
26 51 19 00-0247	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	126.29		
		For >50 To 100, Deduct	-3.97		
		For >100 To 250, Deduct	-7.13		
		For >250 To 500, Deduct	-12.63		
		For >500, Deduct	-18.13		
26 51 19 00-0248	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	141.56		
		For >50 To 100, Deduct	-4.35		
		For >100 To 250, Deduct	-7.89		
		For >250 To 500, Deduct	-14.16		
		For >500, Deduct	-20.42		
26 51 19 00-0249	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	154.66		
		For >50 To 100, Deduct	-4.68		
		For >100 To 250, Deduct	-8.54		
		For >250 To 500, Deduct	-15.47		
		For >500, Deduct	-22.39		
26 51 19 00-0250		Recessed LED Downlight Retrofits Trim (CREE®) (26 51 19 00-0243)			
		Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.			
26 51 19 00-0251	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	41.27		9.08
		For >50 To 100, Deduct	-1.52		
		For >100 To 250, Deduct	-2.55		
		For >250 To 500, Deduct	-4.13		
		For >500, Deduct	-5.70		
26 51 19 00-0252	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	50.01		9.08
		For >50 To 100, Deduct	-1.74		
		For >100 To 250, Deduct	-2.99		
		For >250 To 500, Deduct	-5.00		
		For >500, Deduct	-7.02		
26 51 19 00-0253	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	43.46		9.08
		For >50 To 100, Deduct	-1.57		
		For >100 To 250, Deduct	-2.66		
		For >250 To 500, Deduct	-4.35		
		For >500, Deduct	-6.03		

		Electrical	26	26
		Lighting	26 50	
		Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0254			Recessed LED Downlight Fixture Housings (CREE®) (26 51 19 00-0243)		
			Note: Excludes lamp and trim.		
26 51 19 00-0255	EA		6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6).....	110.74	38.90
			For >50 To 100, Deduct	-4.23	
			For >100 To 250, Deduct	-7.00	
			For >250 To 500, Deduct	-11.07	
			For >500, Deduct	-15.15	
26 51 19 00-0256	EA		6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6).....	80.16	38.90
			For >50 To 100, Deduct	-3.46	
			For >100 To 250, Deduct	-5.47	
			For >250 To 500, Deduct	-8.02	
			For >500, Deduct	-10.57	
26 51 19 00-0257			Can Retrofit Or Surface Mount, LED Downlights (26 51 19 00-0121)		
26 51 19 00-0258	EA		6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	101.65	35.53
			For >50 To 100, Deduct	-3.87	
			For >100 To 250, Deduct	-6.42	
			For >250 To 500, Deduct	-10.17	
			For >500, Deduct	-13.91	
26 51 19 00-0259	EA		4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D)	82.86	35.53
			For >50 To 100, Deduct	-3.40	
			For >100 To 250, Deduct	-5.48	
			For >250 To 500, Deduct	-8.29	
			For >500, Deduct	-11.10	
26 51 19 00-0260	EA		6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D)	82.86	35.53
			For >50 To 100, Deduct	-3.40	
			For >100 To 250, Deduct	-5.48	
			For >250 To 500, Deduct	-8.29	
			For >500, Deduct	-11.10	
26 51 19 00-0261	EA		6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	143.47	35.53
			For Recessed IC/Non-IC Rated Housing For New Construction, Add	52.41	
			For >50 To 100, Deduct	-4.92	
			For >100 To 250, Deduct	-8.51	
			For >250 To 500, Deduct	-14.35	
			For >500, Deduct	-20.19	
26 51 19 00-0262	EA		4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	72.28	35.53
			For >50 To 100, Deduct	-3.14	
			For >100 To 250, Deduct	-4.95	
			For >250 To 500, Deduct	-7.23	
			For >500, Deduct	-9.51	
26 51 19 00-0263	EA		5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	79.90	35.53
			For >50 To 100, Deduct	-3.33	
			For >100 To 250, Deduct	-5.33	
			For >250 To 500, Deduct	-7.99	
			For >500, Deduct	-10.65	
26 51 19 00-0264	EA		6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	947.12	35.53
			For >50 To 100, Deduct	-25.01	
			For >100 To 250, Deduct	-48.69	
			For >250 To 500, Deduct	-94.71	
			For >500, Deduct	-140.74	
26 51 19 00-0265			Wall Mount LED Cylinder Downlight (26 51 19 00-0001)		
26 51 19 00-0266	EA		9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	415.21	55.20
			For >50 To 100, Deduct	-12.45	
			For >100 To 250, Deduct	-22.83	
			For >250 To 500, Deduct	-41.52	
			For >500, Deduct	-60.21	
26 51 19 00-0267			Wall Sconce And Wall Wash LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0268			LED Wall Sconce Fixtures (Hudson Valley Lighting) (26 51 19 00-0267)		
26 51 19 00-0269	EA		2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	544.69	51.87
			For >50 To 100, Deduct	-15.56	
			For >100 To 250, Deduct	-29.18	
			For >250 To 500, Deduct	-54.47	
			For >500, Deduct	-79.76	
26 51 19 00-0270			LED Wall Sconce Fixtures (Kichler) (26 51 19 00-0267)		
26 51 19 00-0271	EA		6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED).....	303.86	51.87
			For >50 To 100, Deduct	-9.54	
			For >100 To 250, Deduct	-17.14	
			For >250 To 500, Deduct	-30.39	
			For >500, Deduct	-43.63	
26 51 19 00-0272			LED Wall Sconce Fixtures (Metalux) (26 51 19 00-0267)		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 51 19 00-0273	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	149.93		51.87
		For >50 To 100, Deduct	-5.69		
		For >100 To 250, Deduct	-9.44		
		For >250 To 500, Deduct	-14.99		
		For >500, Deduct	-20.54		
26 51 19 00-0274	EA	5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	132.17		51.87
		For >50 To 100, Deduct	-5.25		
		For >100 To 250, Deduct	-8.55		
		For >250 To 500, Deduct	-13.22		
		For >500, Deduct	-17.88		
26 51 19 00-0275 Concealed Continuous LED Fixtures (26 51 19 00-0001)					
26 51 19 00-0276 Concealed Continuous LED Fixtures (Fraqtir™ S301) (26 51 19 00-0275)					
26 51 19 00-0277	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	739.96		5.92
		For >50 To 100, Deduct	-18.80		
		For >100 To 250, Deduct	-37.29		
		For >250 To 500, Deduct	-74.00		
		For >500, Deduct	-110.70		
26 51 19 00-0278	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	843.63		5.92
		For >50 To 100, Deduct	-21.39		
		For >100 To 250, Deduct	-42.48		
		For >250 To 500, Deduct	-84.36		
		For >500, Deduct	-126.25		
26 51 19 00-0279 Low Bay LED Fixtures (26 51 19 00-0001)					
26 51 19 00-0280 LED Linear Low Bay Fixtures (PlanLED) (26 51 19 00-0279)					
26 51 19 00-0281	EA	4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	380.89		71.08
		For >50 To 100, Deduct	-12.48		
		For >100 To 250, Deduct	-22.01		
		For >250 To 500, Deduct	-38.09		
		For >500, Deduct	-54.17		
26 51 19 00-0282	EA	4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	516.48		71.08
		For >50 To 100, Deduct	-15.87		
		For >100 To 250, Deduct	-28.79		
		For >250 To 500, Deduct	-51.65		
		For >500, Deduct	-74.51		
26 51 19 00-0283	EA	8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	858.83		88.84
		For >50 To 100, Deduct	-25.17		
		For >100 To 250, Deduct	-46.64		
		For >250 To 500, Deduct	-85.88		
		For >500, Deduct	-125.12		
26 51 19 00-0284 LED Low Bay Fixtures (CREE®) (26 51 19 00-0279)					
26 51 19 00-0285 LED Low Bay Fixtures (CREE® LS) (26 51 19 00-0284)					
Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.					
26 51 19 00-0286	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	335.55		71.08
		For >50 To 100, Deduct	-11.35		
		For >100 To 250, Deduct	-19.74		
		For >250 To 500, Deduct	-33.56		
		For >500, Deduct	-47.37		
26 51 19 00-0287	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	357.81		71.08
		For >50 To 100, Deduct	-11.91		
		For >100 To 250, Deduct	-20.85		
		For >250 To 500, Deduct	-35.78		
		For >500, Deduct	-50.71		
26 51 19 00-0288	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	344.83		71.08
		For >50 To 100, Deduct	-11.58		
		For >100 To 250, Deduct	-20.20		
		For >250 To 500, Deduct	-34.48		
		For >500, Deduct	-48.76		
26 51 19 00-0289	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V)	367.09		71.08
		For >50 To 100, Deduct	-12.14		
		For >100 To 250, Deduct	-21.32		
		For >250 To 500, Deduct	-36.71		
		For >500, Deduct	-52.10		
26 51 19 00-0290	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V)	383.79		71.08
		For >50 To 100, Deduct	-12.56		
		For >100 To 250, Deduct	-22.15		
		For >250 To 500, Deduct	-38.38		
		For >500, Deduct	-54.61		
26 51 19 00-0291	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V)	406.06		71.08
		For >50 To 100, Deduct	-13.11		
		For >100 To 250, Deduct	-23.26		
		For >250 To 500, Deduct	-40.61		
		For >500, Deduct	-57.95		
26 51 19 00-0292	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V)	537.72		88.84
		For >50 To 100, Deduct	-17.14		
		For >100 To 250, Deduct	-30.59		
		For >250 To 500, Deduct	-53.77		
		For >500, Deduct	-76.96		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0293	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V)	578.54	88.84
			For >50 To 100, Deduct	-18.17	
			For >100 To 250, Deduct	-32.63	
			For >250 To 500, Deduct	-57.85	
			For >500, Deduct	-83.08	
26 51 19 00-0294	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V)	663.89	88.84
			For >50 To 100, Deduct	-20.30	
			For >100 To 250, Deduct	-36.90	
			For >250 To 500, Deduct	-66.39	
			For >500, Deduct	-95.88	
26 51 19 00-0295	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V)	686.15	88.84
			For >50 To 100, Deduct	-20.86	
			For >100 To 250, Deduct	-38.01	
			For >250 To 500, Deduct	-68.62	
			For >500, Deduct	-99.22	
26 51 19 00-0296 LED Low Bay Fixtures (CREE® LN) (26 51 19 00-0284)					
Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.					
26 51 19 00-0297	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	747.46	71.08
			For >50 To 100, Deduct	-21.65	
			For >100 To 250, Deduct	-40.33	
			For >250 To 500, Deduct	-74.75	
			For >500, Deduct	-109.16	
26 51 19 00-0298	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	840.23	71.08
			For >50 To 100, Deduct	-23.97	
			For >100 To 250, Deduct	-44.97	
			For >250 To 500, Deduct	-84.02	
			For >500, Deduct	-123.07	
26 51 19 00-0299 LED Linear Low Bay Fixtures (CREE® CS) (26 51 19 00-0284)					
Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.					
26 51 19 00-0300	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	724.57	71.08
			For >50 To 100, Deduct	-21.08	
			For >100 To 250, Deduct	-39.19	
			For >250 To 500, Deduct	-72.46	
			For >500, Deduct	-105.72	
26 51 19 00-0301	EA		7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	900.43	88.84
			For >50 To 100, Deduct	-26.21	
			For >100 To 250, Deduct	-48.72	
			For >250 To 500, Deduct	-90.04	
			For >500, Deduct	-131.36	
26 51 19 00-0302	EA		8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	1,142.73	88.84
			For >50 To 100, Deduct	-32.27	
			For >100 To 250, Deduct	-60.84	
			For >250 To 500, Deduct	-114.27	
			For >500, Deduct	-167.71	
26 51 19 00-0303 Accessories For LED Low Bay Fixtures (CREE®) (26 51 19 00-0284)					
26 51 19 00-0304	EA		Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	65.22	19.48
			For >50 To 100, Deduct	-2.44	
			For >100 To 250, Deduct	-4.07	
			For >250 To 500, Deduct	-6.52	
			For >500, Deduct	-8.97	
26 51 19 00-0305	EA		Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	71.77	19.48
			For >50 To 100, Deduct	-2.61	
			For >100 To 250, Deduct	-4.40	
			For >250 To 500, Deduct	-7.18	
			For >500, Deduct	-9.95	
26 51 19 00-0306	EA		Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ).....	54.29	19.48
			For >50 To 100, Deduct	-2.17	
			For >100 To 250, Deduct	-3.53	
			For >250 To 500, Deduct	-5.43	
			For >500, Deduct	-7.33	
26 51 19 00-0307	EA		Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	43.38	19.48
			For >50 To 100, Deduct	-1.90	
			For >100 To 250, Deduct	-2.98	
			For >250 To 500, Deduct	-4.34	
			For >500, Deduct	-5.70	
26 51 19 00-0308	EA		Solid Reflector, Pair (Cree® LS4-SR).....	141.61	19.48
			For >50 To 100, Deduct	-4.35	
			For >100 To 250, Deduct	-7.89	
			For >250 To 500, Deduct	-14.16	
			For >500, Deduct	-20.43	
26 51 19 00-0309	EA		Solid Reflector, Pair (Cree® LS8-SR).....	196.20	19.48
			For >50 To 100, Deduct	-5.72	
			For >100 To 250, Deduct	-10.62	
			For >250 To 500, Deduct	-19.62	
			For >500, Deduct	-28.62	
26 51 19 00-0310	EA		5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB).....	71.77	19.48
			For >50 To 100, Deduct	-2.61	
			For >100 To 250, Deduct	-4.40	
			For >250 To 500, Deduct	-7.18	
			For >500, Deduct	-9.95	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 19 00-0311	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB).....	102.33		19.48
		For >50 To 100, Deduct	-3.37		
		For >100 To 250, Deduct	-5.93		
		For >250 To 500, Deduct	-10.23		
		For >500, Deduct	-14.54		
26 51 19 00-0312	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB).....	80.49		19.48
		For >50 To 100, Deduct	-2.82		
		For >100 To 250, Deduct	-4.84		
		For >250 To 500, Deduct	-8.05		
		For >500, Deduct	-11.26		
26 51 19 00-0313	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB).....	108.88		19.48
		For >50 To 100, Deduct	-3.53		
		For >100 To 250, Deduct	-6.26		
		For >250 To 500, Deduct	-10.89		
		For >500, Deduct	-15.52		
26 51 19 00-0314	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB).....	115.43		19.48
		For >50 To 100, Deduct	-3.70		
		For >100 To 250, Deduct	-6.58		
		For >250 To 500, Deduct	-11.54		
		For >500, Deduct	-16.50		
26 51 19 00-0315	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB).....	97.95		19.48
		For >50 To 100, Deduct	-3.26		
		For >100 To 250, Deduct	-5.71		
		For >250 To 500, Deduct	-9.80		
		For >500, Deduct	-13.88		
26 51 19 00-0316	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB).....	148.16		19.48
		For >50 To 100, Deduct	-4.52		
		For >100 To 250, Deduct	-8.22		
		For >250 To 500, Deduct	-14.82		
		For >500, Deduct	-21.41		
26 51 19 00-0317	EA	Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	76.13		19.48
		For >50 To 100, Deduct	-2.72		
		For >100 To 250, Deduct	-4.62		
		For >250 To 500, Deduct	-7.61		
		For >500, Deduct	-10.61		
26 51 19 00-0318	EA	Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	93.59		19.48
		For >50 To 100, Deduct	-3.15		
		For >100 To 250, Deduct	-5.49		
		For >250 To 500, Deduct	-9.36		
		For >500, Deduct	-13.23		
26 51 19 00-0319	EA	Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	71.77		19.48
		For >50 To 100, Deduct	-2.61		
		For >100 To 250, Deduct	-4.40		
		For >250 To 500, Deduct	-7.18		
		For >500, Deduct	-9.95		
26 51 19 00-0320	EA	Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	1,435.38		47.38
		For >50 To 100, Deduct	-37.66		
		For >100 To 250, Deduct	-73.55		
		For >250 To 500, Deduct	-143.54		
		For >500, Deduct	-213.53		
26 51 19 00-0321	EA	120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120)	507.65		47.38
		For >50 To 100, Deduct	-14.47		
		For >100 To 250, Deduct	-27.16		
		For >250 To 500, Deduct	-50.77		
		For >500, Deduct	-74.37		
26 51 19 00-0322		LED Linear Low Bay Fixtures (Lithonia MSL) (26 51 19 00-0279)			
		Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.			
26 51 19 00-0323	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	1,009.17		71.08
		For >50 To 100, Deduct	-28.19		
		For >100 To 250, Deduct	-53.42		
		For >250 To 500, Deduct	-100.92		
		For >500, Deduct	-148.41		
26 51 19 00-0324		High Bay LED Fixtures (26 51 19 00-0001)			
26 51 19 00-0325		LED High Bay Fixtures (Columbia Lighting LWS) (26 51 19 00-0324)			
26 51 19 00-0326	EA	16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU).....	517.78		130.31
		For >50 To 100, Deduct	-19.46		
		For >100 To 250, Deduct	-32.40		
		For >250 To 500, Deduct	-51.78		
		For >500, Deduct	-71.15		
26 51 19 00-0327	EA	16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU).....	517.78		130.31
		For >50 To 100, Deduct	-19.46		
		For >100 To 250, Deduct	-32.40		
		For >250 To 500, Deduct	-51.78		
		For >500, Deduct	-71.15		
26 51 19 00-0328	EA	16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU).....	579.50		130.31
		For >50 To 100, Deduct	-21.00		
		For >100 To 250, Deduct	-35.49		
		For >250 To 500, Deduct	-57.95		
		For >500, Deduct	-80.41		
26 51 19 00-0329	EA	16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU).....	579.50		130.31
		For >50 To 100, Deduct	-21.00		
		For >100 To 250, Deduct	-35.49		
		For >250 To 500, Deduct	-57.95		
		For >500, Deduct	-80.41		

		Electrical	26	26
		Lighting	26 50	
		Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0330	EA	16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU).....	682.37	130.31	
		For >50 To 100, Deduct	-23.57		
		For >100 To 250, Deduct	-40.63		
		For >250 To 500, Deduct	-68.24		
		For >500, Deduct	-95.84		
26 51 19 00-0331	EA	16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU).....	682.37	130.31	
		For >50 To 100, Deduct	-23.57		
		For >100 To 250, Deduct	-40.63		
		For >250 To 500, Deduct	-68.24		
		For >500, Deduct	-95.84		
26 51 19 00-0332	EA	16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU).....	723.52	130.31	
		For >50 To 100, Deduct	-24.60		
		For >100 To 250, Deduct	-42.69		
		For >250 To 500, Deduct	-72.35		
		For >500, Deduct	-102.01		
26 51 19 00-0333	EA	16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU).....	723.52	130.31	
		For >50 To 100, Deduct	-24.60		
		For >100 To 250, Deduct	-42.69		
		For >250 To 500, Deduct	-72.35		
		For >500, Deduct	-102.01		
26 51 19 00-0334	EA	16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU).....	754.38	130.31	
		For >50 To 100, Deduct	-25.37		
		For >100 To 250, Deduct	-44.23		
		For >250 To 500, Deduct	-75.44		
		For >500, Deduct	-106.64		
26 51 19 00-0335	EA	16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU).....	754.38	130.31	
		For >50 To 100, Deduct	-25.37		
		For >100 To 250, Deduct	-44.23		
		For >250 To 500, Deduct	-75.44		
		For >500, Deduct	-106.64		
26 51 19 00-0336	LED High Bay Fixtures (Cree) (26 51 19 00-0324)				
26 51 19 00-0337	LED High Bay Fixtures (CREE®) (26 51 19 00-0336)				
26 51 19 00-0338	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V)	889.61	130.31	
		For >50 To 100, Deduct	-28.76		
		For >100 To 250, Deduct	-51.00		
		For >250 To 500, Deduct	-88.96		
		For >500, Deduct	-126.93		
26 51 19 00-0339	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML)	1,068.27	130.31	
		For >50 To 100, Deduct	-33.22		
		For >100 To 250, Deduct	-59.93		
		For >250 To 500, Deduct	-106.83		
		For >500, Deduct	-153.73		
26 51 19 00-0340	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V)	980.97	130.31	
		For >50 To 100, Deduct	-31.04		
		For >100 To 250, Deduct	-55.56		
		For >250 To 500, Deduct	-98.10		
		For >500, Deduct	-140.63		
26 51 19 00-0341	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML).....	1,122.86	130.31	
		For >50 To 100, Deduct	-34.59		
		For >100 To 250, Deduct	-62.66		
		For >250 To 500, Deduct	-112.29		
		For >500, Deduct	-161.91		
26 51 19 00-0342	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V)	921.15	130.31	
		For >50 To 100, Deduct	-29.54		
		For >100 To 250, Deduct	-52.57		
		For >250 To 500, Deduct	-92.12		
		For >500, Deduct	-131.66		
26 51 19 00-0343	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML).....	1,101.02	130.31	
		For >50 To 100, Deduct	-34.04		
		For >100 To 250, Deduct	-61.57		
		For >250 To 500, Deduct	-110.10		
		For >500, Deduct	-158.64		
26 51 19 00-0344	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V).....	1,013.70	130.31	
		For >50 To 100, Deduct	-31.86		
		For >100 To 250, Deduct	-57.20		
		For >250 To 500, Deduct	-101.37		
		For >500, Deduct	-145.54		
26 51 19 00-0345	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	1,155.59	130.31	
		For >50 To 100, Deduct	-35.41		
		For >100 To 250, Deduct	-64.29		
		For >250 To 500, Deduct	-115.56		
		For >500, Deduct	-166.82		
26 51 19 00-0346	Accessories For LED High Bay Fixtures (CREE®) (26 51 19 00-0336)				
26 51 19 00-0347	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	65.22	19.48	
		For >50 To 100, Deduct	-2.44		
		For >100 To 250, Deduct	-4.07		
		For >250 To 500, Deduct	-6.52		
		For >500, Deduct	-8.97		
26 51 19 00-0348	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P).....	65.22	19.48	
		For >50 To 100, Deduct	-2.44		
		For >100 To 250, Deduct	-4.07		
		For >250 To 500, Deduct	-6.52		
		For >500, Deduct	-8.97		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0349	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	87.04	19.48
		For >50 To 100, Deduct	-2.99	
		For >100 To 250, Deduct	-5.16	
		For >250 To 500, Deduct	-8.70	
		For >500, Deduct	-12.24	
26 51 19 00-0350	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	130.70	19.48
		For >50 To 100, Deduct	-4.08	
		For >100 To 250, Deduct	-7.35	
		For >250 To 500, Deduct	-13.07	
		For >500, Deduct	-18.79	
26 51 19 00-0351	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	152.54	19.48
		For >50 To 100, Deduct	-4.63	
		For >100 To 250, Deduct	-8.44	
		For >250 To 500, Deduct	-15.25	
		For >500, Deduct	-22.07	
26 51 19 00-0352	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16)	87.04	19.48
		For >50 To 100, Deduct	-2.99	
		For >100 To 250, Deduct	-5.16	
		For >250 To 500, Deduct	-8.70	
		For >500, Deduct	-12.24	
26 51 19 00-0353	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16)	89.23	19.48
		For >50 To 100, Deduct	-3.04	
		For >100 To 250, Deduct	-5.27	
		For >250 To 500, Deduct	-8.92	
		For >500, Deduct	-12.57	
26 51 19 00-0354	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A)	65.22	19.48
		For >50 To 100, Deduct	-2.44	
		For >100 To 250, Deduct	-4.07	
		For >250 To 500, Deduct	-6.52	
		For >500, Deduct	-8.97	
26 51 19 00-0355	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP)	69.58	19.48
		For >50 To 100, Deduct	-2.55	
		For >100 To 250, Deduct	-4.29	
		For >250 To 500, Deduct	-6.96	
		For >500, Deduct	-9.63	
26 51 19 00-0356	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	45.57	19.48
		For >50 To 100, Deduct	-1.95	
		For >100 To 250, Deduct	-3.09	
		For >250 To 500, Deduct	-4.56	
		For >500, Deduct	-6.02	
26 51 19 00-0357	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	47.76	19.48
		For >50 To 100, Deduct	-2.01	
		For >100 To 250, Deduct	-3.20	
		For >250 To 500, Deduct	-4.78	
		For >500, Deduct	-6.35	

26 51 19 00-0358 LED High Bay Fixtures (DLE) (26 51 19 00-0324)

26 51 19 00-0359	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV)	1,483.11	130.31
		For >50 To 100, Deduct	-43.59	
		For >100 To 250, Deduct	-80.67	
		For >250 To 500, Deduct	-148.31	
		For >500, Deduct	-215.95	
26 51 19 00-0360	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV)	1,819.90	130.31
		For >50 To 100, Deduct	-52.01	
		For >100 To 250, Deduct	-97.51	
		For >250 To 500, Deduct	-181.99	
		For >500, Deduct	-266.47	
26 51 19 00-0361	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV)	2,132.63	130.31
		For >50 To 100, Deduct	-59.83	
		For >100 To 250, Deduct	-113.15	
		For >250 To 500, Deduct	-213.26	
		For >500, Deduct	-313.38	

26 51 19 00-0362 LED High Bay Fixtures (Everlast) (26 51 19 00-0324)**26 51 19 00-0363 LED High Bay Fixtures (Everlast EL-LED-LG)** (26 51 19 00-0362)

26 51 19 00-0364	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,004.17	130.31
		For >50 To 100, Deduct	-31.62	
		For >100 To 250, Deduct	-56.72	
		For >250 To 500, Deduct	-100.42	
		For >500, Deduct	-144.11	
26 51 19 00-0365	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,061.03	130.31
		For >50 To 100, Deduct	-33.04	
		For >100 To 250, Deduct	-59.57	
		For >250 To 500, Deduct	-106.10	
		For >500, Deduct	-152.64	
26 51 19 00-0366	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	947.31	130.31
		For >50 To 100, Deduct	-30.20	
		For >100 To 250, Deduct	-53.88	
		For >250 To 500, Deduct	-94.73	
		For >500, Deduct	-135.58	
26 51 19 00-0367	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	971.37	130.31
		For >50 To 100, Deduct	-30.80	
		For >100 To 250, Deduct	-55.08	
		For >250 To 500, Deduct	-97.14	
		For >500, Deduct	-139.19	

		Electrical	26	26
		Lighting	26 50	
		Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0368	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	1,102.58	130.31	
		For >50 To 100, Deduct	-34.08		
		For >100 To 250, Deduct	-61.64		
		For >250 To 500, Deduct	-110.26		
		For >500, Deduct	-158.87		
26 51 19 00-0369	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,200.99	130.31	
		For >50 To 100, Deduct	-36.54		
		For >100 To 250, Deduct	-66.56		
		For >250 To 500, Deduct	-120.10		
		For >500, Deduct	-173.63		
26 51 19 00-0370	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	1,050.10	130.31	
		For >50 To 100, Deduct	-32.77		
		For >100 To 250, Deduct	-59.02		
		For >250 To 500, Deduct	-105.01		
		For >500, Deduct	-151.00		
26 51 19 00-0371	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,135.39	130.31	
		For >50 To 100, Deduct	-34.90		
		For >100 To 250, Deduct	-63.28		
		For >250 To 500, Deduct	-113.54		
		For >500, Deduct	-163.79		
26 51 19 00-0372	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,649.32	130.31	
		For >50 To 100, Deduct	-47.75		
		For >100 To 250, Deduct	-88.98		
		For >250 To 500, Deduct	-164.93		
		For >500, Deduct	-240.88		
26 51 19 00-0373	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,802.40	130.31	
		For >50 To 100, Deduct	-51.58		
		For >100 To 250, Deduct	-96.64		
		For >250 To 500, Deduct	-180.24		
		For >500, Deduct	-263.84		
26 51 19 00-0374	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,239.79	130.31	
		For >50 To 100, Deduct	-62.51		
		For >100 To 250, Deduct	-118.50		
		For >250 To 500, Deduct	-223.98		
		For >500, Deduct	-329.45		
26 51 19 00-0375 LED High Bay Fixtures (Everlast EL-LED-CS) (26 51 19 00-0362)					
26 51 19 00-0376	EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	632.39	130.31	
		For >50 To 100, Deduct	-22.33		
		For >100 To 250, Deduct	-38.13		
		For >250 To 500, Deduct	-63.24		
		For >500, Deduct	-88.34		
26 51 19 00-0377	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	927.63	130.31	
		For >50 To 100, Deduct	-29.71		
		For >100 To 250, Deduct	-52.90		
		For >250 To 500, Deduct	-92.76		
		For >500, Deduct	-132.63		
26 51 19 00-0378	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,058.84	130.31	
		For >50 To 100, Deduct	-32.99		
		For >100 To 250, Deduct	-59.46		
		For >250 To 500, Deduct	-105.88		
		For >500, Deduct	-152.31		
26 51 19 00-0379	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,211.93	130.31	
		For >50 To 100, Deduct	-36.81		
		For >100 To 250, Deduct	-67.11		
		For >250 To 500, Deduct	-121.19		
		For >500, Deduct	-175.27		
26 51 19 00-0380	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,310.34	130.31	
		For >50 To 100, Deduct	-39.27		
		For >100 To 250, Deduct	-72.03		
		For >250 To 500, Deduct	-131.03		
		For >500, Deduct	-190.04		
26 51 19 00-0381 LED High Bay Fixtures (Everlast EL-LED-HB-LG) (26 51 19 00-0362)					
26 51 19 00-0382	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	829.21	130.31	
		For >50 To 100, Deduct	-27.25		
		For >100 To 250, Deduct	-47.98		
		For >250 To 500, Deduct	-82.92		
		For >500, Deduct	-117.87		
26 51 19 00-0383	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	883.89	130.31	
		For >50 To 100, Deduct	-28.61		
		For >100 To 250, Deduct	-50.71		
		For >250 To 500, Deduct	-88.39		
		For >500, Deduct	-126.07		
26 51 19 00-0384	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	960.43	130.31	
		For >50 To 100, Deduct	-30.53		
		For >100 To 250, Deduct	-54.54		
		For >250 To 500, Deduct	-96.04		
		For >500, Deduct	-137.55		
26 51 19 00-0385 LED High Bay Fixtures (Everlast EL-LED-LHB) (26 51 19 00-0362)					
26 51 19 00-0386	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	842.34	130.31	
		For >50 To 100, Deduct	-27.57		
		For >100 To 250, Deduct	-48.63		
		For >250 To 500, Deduct	-84.23		
		For >500, Deduct	-119.84		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 51 19 00-0387	EA	26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	1,036.97		130.31
		For >50 To 100, Deduct	-32.44		
		For >100 To 250, Deduct	-58.36		
		For >250 To 500, Deduct	-103.70		
		For >500, Deduct	-149.03		
26 51 19 00-0388	EA	39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB).....	1,288.47		130.31
		For >50 To 100, Deduct	-38.73		
		For >100 To 250, Deduct	-70.94		
		For >250 To 500, Deduct	-128.85		
		For >500, Deduct	-186.76		
26 51 19 00-0389 LED High Bay Fixtures (Lithonia IBG) (26 51 19 00-0324)					
26 51 19 00-0390	EA	8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	471.05		127.93
		For >50 To 100, Deduct	-16.64		
		For >100 To 250, Deduct	-28.42		
		For >250 To 500, Deduct	-47.11		
		For >500, Deduct	-65.79		
26 51 19 00-0391	EA	12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	489.84		127.93
		For >50 To 100, Deduct	-17.11		
		For >100 To 250, Deduct	-29.36		
		For >250 To 500, Deduct	-48.98		
		For >500, Deduct	-68.61		
26 51 19 00-0392	EA	15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	532.12		127.93
		For >50 To 100, Deduct	-18.17		
		For >100 To 250, Deduct	-31.47		
		For >250 To 500, Deduct	-53.21		
		For >500, Deduct	-74.95		
26 51 19 00-0393	EA	18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	598.87		127.93
		For >50 To 100, Deduct	-19.84		
		For >100 To 250, Deduct	-34.81		
		For >250 To 500, Deduct	-59.89		
		For >500, Deduct	-84.96		
26 51 19 00-0394	EA	24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	653.21		127.93
		For >50 To 100, Deduct	-21.20		
		For >100 To 250, Deduct	-37.53		
		For >250 To 500, Deduct	-65.32		
		For >500, Deduct	-93.12		
26 51 19 00-0395	EA	30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	780.96		127.93
		For >50 To 100, Deduct	-24.39		
		For >100 To 250, Deduct	-43.91		
		For >250 To 500, Deduct	-78.10		
		For >500, Deduct	-112.28		
26 51 19 00-0396	EA	36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	944.05		127.93
		For >50 To 100, Deduct	-28.47		
		For >100 To 250, Deduct	-52.07		
		For >250 To 500, Deduct	-94.41		
		For >500, Deduct	-136.74		
26 51 19 00-0397	EA	48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,361.61		130.31
		For >50 To 100, Deduct	-40.56		
		For >100 To 250, Deduct	-74.60		
		For >250 To 500, Deduct	-136.16		
		For >500, Deduct	-197.73		
26 51 19 00-0398 LED High Bay Fixtures (Lithonia IBL) (26 51 19 00-0324)					
26 51 19 00-0399	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	654.54		130.31
		For >50 To 100, Deduct	-22.88		
		For >100 To 250, Deduct	-39.24		
		For >250 To 500, Deduct	-65.45		
		For >500, Deduct	-91.67		
26 51 19 00-0400	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	705.98		130.31
		For >50 To 100, Deduct	-24.16		
		For >100 To 250, Deduct	-41.81		
		For >250 To 500, Deduct	-70.60		
		For >500, Deduct	-99.38		
26 51 19 00-0401	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	844.85		130.31
		For >50 To 100, Deduct	-27.64		
		For >100 To 250, Deduct	-48.76		
		For >250 To 500, Deduct	-84.49		
		For >500, Deduct	-120.21		
26 51 19 00-0402	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	900.40		130.31
		For >50 To 100, Deduct	-29.03		
		For >100 To 250, Deduct	-51.54		
		For >250 To 500, Deduct	-90.04		
		For >500, Deduct	-128.54		
26 51 19 00-0403 LED High Bay Fixtures (Metalux SSLED) (26 51 19 00-0324)					
26 51 19 00-0404	EA	12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	770.48		130.31
		For >50 To 100, Deduct	-25.78		
		For >100 To 250, Deduct	-45.04		
		For >250 To 500, Deduct	-77.05		
		For >500, Deduct	-109.06		
26 51 19 00-0405	EA	15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	790.51		130.31
		For >50 To 100, Deduct	-26.28		
		For >100 To 250, Deduct	-46.04		
		For >250 To 500, Deduct	-79.05		
		For >500, Deduct	-112.06		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0406	EA	18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	798.58	130.31	
		For >50 To 100, Deduct	-26.48		
		For >100 To 250, Deduct	-46.44		
		For >250 To 500, Deduct	-79.86		
		For >500, Deduct	-113.27		
26 51 19 00-0407	EA	24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	875.38	130.31	
		For >50 To 100, Deduct	-28.40		
		For >100 To 250, Deduct	-50.28		
		For >250 To 500, Deduct	-87.54		
		For >500, Deduct	-124.79		
26 51 19 00-0408	EA	30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	964.84	130.31	
		For >50 To 100, Deduct	-30.64		
		For >100 To 250, Deduct	-54.76		
		For >250 To 500, Deduct	-96.48		
		For >500, Deduct	-138.21		
26 51 19 00-0409	EA	36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	998.41	130.31	
		For >50 To 100, Deduct	-31.48		
		For >100 To 250, Deduct	-56.44		
		For >250 To 500, Deduct	-99.84		
		For >500, Deduct	-143.25		
26 51 19 00-0410		LED High Bay Fixtures (PlanLED) (26 51 19 00-0324)			
26 51 19 00-0411		LED High Bay Fixtures (PlanLED LUNA) (26 51 19 00-0410)			
		Note: Includes aluminum alloy chassis.			
26 51 19 00-0412	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	977.93	130.31	
		For >50 To 100, Deduct	-30.96		
		For >100 To 250, Deduct	-55.41		
		For >250 To 500, Deduct	-97.79		
		For >500, Deduct	-140.17		
26 51 19 00-0413	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	1,100.39	130.31	
		For >50 To 100, Deduct	-34.03		
		For >100 To 250, Deduct	-61.53		
		For >250 To 500, Deduct	-110.04		
		For >500, Deduct	-158.54		
26 51 19 00-0414	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	1,277.54	130.31	
		For >50 To 100, Deduct	-38.45		
		For >100 To 250, Deduct	-70.39		
		For >250 To 500, Deduct	-127.75		
		For >500, Deduct	-185.12		
26 51 19 00-0415	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	1,450.31	130.31	
		For >50 To 100, Deduct	-42.77		
		For >100 To 250, Deduct	-79.03		
		For >250 To 500, Deduct	-145.03		
		For >500, Deduct	-211.03		
26 51 19 00-0416		LED High Bay Fixtures (PlanLED IBL) (26 51 19 00-0410)			
		Note: Includes aluminum alloy chassis.			
26 51 19 00-0417	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	1,065.40	130.31	
		For 480 Volt, Add	61.39		
		For >50 To 100, Deduct	-33.15		
		For >100 To 250, Deduct	-59.79		
		For >250 To 500, Deduct	-106.54		
		For >500, Deduct	-153.29		
26 51 19 00-0418	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	1,491.86	130.31	
		For 480 Volt, Add	77.79		
		For >50 To 100, Deduct	-43.81		
		For >100 To 250, Deduct	-81.11		
		For >250 To 500, Deduct	-149.19		
		For >500, Deduct	-217.26		
26 51 19 00-0419	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	2,666.24	130.31	
		For 480 Volt, Add	123.44		
		For >50 To 100, Deduct	-73.17		
		For >100 To 250, Deduct	-139.83		
		For >250 To 500, Deduct	-266.62		
		For >500, Deduct	-393.42		
26 51 19 00-0420		LED High Bay Fixtures (PlanLED SEGA) (26 51 19 00-0410)			
		Note: Includes aluminum alloy chassis.			
26 51 19 00-0421	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	835.78	130.31	
		For 0 To 10 Volt Dimming, Add	94.53		
		For >50 To 100, Deduct	-27.41		
		For >100 To 250, Deduct	-48.30		
		For >250 To 500, Deduct	-83.58		
		For >500, Deduct	-118.85		
26 51 19 00-0422	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	894.82	130.31	
		For 0 To 10 Volt Dimming, Add	94.53		
		For >50 To 100, Deduct	-28.89		
		For >100 To 250, Deduct	-51.26		
		For >250 To 500, Deduct	-89.48		
		For >500, Deduct	-127.71		
26 51 19 00-0423	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	1,098.21	130.31	
		For 0 To 10 Volt Dimming, Add	94.53		
		For >50 To 100, Deduct	-33.97		
		For >100 To 250, Deduct	-61.43		
		For >250 To 500, Deduct	-109.82		
		For >500, Deduct	-158.22		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0424	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,244.73	130.31
		For 0 To 10 Volt Dimming, Add	94.53	
		For >50 To 100, Deduct	-37.63	
		For >100 To 250, Deduct	-68.75	
		For >250 To 500, Deduct	-124.47	
		For >500, Deduct	-180.19	
26 51 19 00-0425	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	2,325.08	130.31
		For >50 To 100, Deduct	-64.64	
		For >100 To 250, Deduct	-122.77	
		For >250 To 500, Deduct	-232.51	
		For >500, Deduct	-342.25	
26 51 19 00-0426	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500)	2,517.53	130.31
		For >50 To 100, Deduct	-69.45	
		For >100 To 250, Deduct	-132.39	
		For >250 To 500, Deduct	-251.75	
		For >500, Deduct	-371.11	
26 51 19 00-0427	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	3,842.55	130.31
		For >50 To 100, Deduct	-102.58	
		For >100 To 250, Deduct	-198.64	
		For >250 To 500, Deduct	-384.26	
		For >500, Deduct	-569.87	

26 51 19 00-0428 Wet/Hazardous Location, LED Fixtures (26 51 19 00-0001)

26 51 19 00-0429 Wet Location, LED Fixtures (26 51 19 00-0428)

26 51 19 00-0430 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) (26 51 19 00-0429)

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0431	EA	3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	3,716.52	99.51
		For Ceiling Mount, Add	33.21	
		For Quick Clip Mounting Option, Add	48.82	
		For Frosted Lens, Add	104.99	
		For Warm White Color Rendering, Add	135.16	
		For Stanchion Mount, Add	226.52	
		For Wall Mount, Add	250.75	
		For Polycarbonate Lens, Add	194.60	
		For Teflon Coated Lens, Add	222.85	
		For 480 Volt, Add	318.34	
		For >50 To 100, Deduct	-97.06	
		For >100 To 250, Deduct	-189.97	
		For >250 To 500, Deduct	-371.65	
		For >500, Deduct	-553.33	
26 51 19 00-0432	EA	5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	3,784.49	106.61
		For Ceiling Mount, Add	33.21	
		For Quick Clip Mounting Option, Add	48.82	
		For Frosted Lens, Add	104.99	
		For Warm White Color Rendering, Add	135.16	
		For Stanchion Mount, Add	226.52	
		For Wall Mount, Add	250.75	
		For Polycarbonate Lens, Add	194.60	
		For Teflon Coated Lens, Add	222.85	
		For 480 Volt, Add	318.34	
		For >50 To 100, Deduct	-99.05	
		For >100 To 250, Deduct	-193.67	
		For >250 To 500, Deduct	-378.45	
		For >500, Deduct	-563.23	
26 51 19 00-0433	EA	7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	4,279.46	113.72
		For Ceiling Mount, Add	33.21	
		For Quick Clip Mounting Option, Add	48.82	
		For Frosted Lens, Add	104.99	
		For Warm White Color Rendering, Add	135.16	
		For Stanchion Mount, Add	226.52	
		For Wall Mount, Add	250.75	
		For Polycarbonate Lens, Add	194.60	
		For Teflon Coated Lens, Add	222.85	
		For 480 Volt, Add	318.34	
		For >50 To 100, Deduct	-111.73	
		For >100 To 250, Deduct	-218.71	
		For >250 To 500, Deduct	-427.95	
		For >500, Deduct	-637.18	
26 51 19 00-0434	EA	9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	5,166.31	120.83
		For Ceiling Mount, Add	33.21	
		For Quick Clip Mounting Option, Add	48.82	
		For Frosted Lens, Add	104.99	
		For Warm White Color Rendering, Add	135.16	
		For Stanchion Mount, Add	226.52	
		For Wall Mount, Add	250.75	
		For Polycarbonate Lens, Add	194.60	
		For Teflon Coated Lens, Add	222.85	
		For 480 Volt, Add	318.34	
		For >50 To 100, Deduct	-134.19	
		For >100 To 250, Deduct	-263.35	
		For >250 To 500, Deduct	-516.63	
		For >500, Deduct	-769.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0435	EA		11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	6,612.95	127.93
			For Ceiling Mount, Add	33.21	
			For Quick Clip Mounting Option, Add	48.82	
			For Frosted Lens, Add	104.99	
			For Warm White Color Rendering, Add	135.16	
			For Stanchion Mount, Add	226.52	
			For Wall Mount, Add	250.75	
			For Polycarbonate Lens, Add	194.60	
			For Teflon Coated Lens, Add	222.85	
			For 480 Volt, Add	318.34	
			For >50 To 100, Deduct	-170.65	
			For >100 To 250, Deduct	-335.98	
			For >250 To 500, Deduct	-661.30	
			For >500, Deduct	-986.61	
26 51 19 00-0436	EA		13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	8,734.70	131.49
			For Ceiling Mount, Add	33.21	
			For Quick Clip Mounting Option, Add	48.82	
			For Frosted Lens, Add	104.99	
			For Warm White Color Rendering, Add	135.16	
			For Stanchion Mount, Add	226.52	
			For Wall Mount, Add	250.75	
			For Polycarbonate Lens, Add	194.60	
			For Teflon Coated Lens, Add	222.85	
			For 480 Volt, Add	318.34	
			For >50 To 100, Deduct	-223.85	
			For >100 To 250, Deduct	-442.21	
			For >250 To 500, Deduct	-873.47	
			For >500, Deduct	-1,304.73	
26 51 19 00-0437	EA		18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L).....	10,132.00	135.04
			For Ceiling Mount, Add	33.21	
			For Quick Clip Mounting Option, Add	48.82	
			For Frosted Lens, Add	104.99	
			For Warm White Color Rendering, Add	135.16	
			For Stanchion Mount, Add	226.52	
			For Wall Mount, Add	250.75	
			For Polycarbonate Lens, Add	194.60	
			For Teflon Coated Lens, Add	222.85	
			For 480 Volt, Add	318.34	
			For >50 To 100, Deduct	-258.93	
			For >100 To 250, Deduct	-512.23	
			For >250 To 500, Deduct	-1,013.20	
			For >500, Deduct	-1,514.17	
26 51 19 00-0438			Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) ^(26 51 19 00-0439)		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0439	EA		5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L).....	3,334.60	106.61
			For Bolt-On Visor, Add	180.77	
			For Bolt-On Wire Guard, Add	371.82	
			For 480 Volt, Add	318.34	
			For Warm White Color Rendering, Add	135.16	
			For >50 To 100, Deduct	-87.81	
			For >100 To 250, Deduct	-171.17	
			For >250 To 500, Deduct	-333.46	
			For >500, Deduct	-495.75	
26 51 19 00-0440	EA		7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L).....	4,961.13	113.72
			For Bolt-On Visor, Add	180.77	
			For Bolt-On Wire Guard, Add	371.82	
			For 480 Volt, Add	318.34	
			For Warm White Color Rendering, Add	135.16	
			For >50 To 100, Deduct	-128.77	
			For >100 To 250, Deduct	-252.80	
			For >250 To 500, Deduct	-496.11	
			For >500, Deduct	-739.43	
26 51 19 00-0441	EA		9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L).....	5,474.81	120.83
			For Bolt-On Visor, Add	180.77	
			For Bolt-On Wire Guard, Add	371.82	
			For 480 Volt, Add	318.34	
			For Warm White Color Rendering, Add	135.16	
			For >50 To 100, Deduct	-141.90	
			For >100 To 250, Deduct	-278.78	
			For >250 To 500, Deduct	-547.48	
			For >500, Deduct	-816.19	
26 51 19 00-0442	EA		11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L).....	6,296.02	127.93
			For Bolt-On Visor, Add	180.77	
			For Bolt-On Wire Guard, Add	371.82	
			For 480 Volt, Add	318.34	
			For Warm White Color Rendering, Add	135.16	
			For >50 To 100, Deduct	-162.73	
			For >100 To 250, Deduct	-320.13	
			For >250 To 500, Deduct	-629.60	
			For >500, Deduct	-939.07	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 51 19 00-0443		Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) (26 51 19 00-0429)		
		Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0444	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	2,288.90	99.51
		For 12/24 Volt DC Driver, Add	51.38	
		For Frosted Lens, Add	104.99	
		For 55 Degree Ambient Suitability (AC Only), Add	69.95	
		For Warm White Color Rendering, Add	135.16	
		For Ceiling Mount, Add	159.62	
		For Wall Mount, Add	231.49	
		For Teflon Coated Lens, Add	222.85	
		For Wall Mount With Junction Box, Add	336.28	
		For >50 To 100, Deduct	-61.37	
		For >100 To 250, Deduct	-118.59	
		For >250 To 500, Deduct	-228.89	
		For >500, Deduct	-339.19	
26 51 19 00-0445		Vaportight, LED Fixtures (26 51 19 00-0428)		
26 51 19 00-0446		General Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0445)		
26 51 19 00-0447	EA	2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U).....	339.10	56.87
		For >50 To 100, Deduct	-10.85	
		For >100 To 250, Deduct	-19.32	
		For >250 To 500, Deduct	-33.91	
		For >500, Deduct	-48.50	
26 51 19 00-0448	EA	2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U).....	353.68	56.87
		For >50 To 100, Deduct	-11.21	
		For >100 To 250, Deduct	-20.05	
		For >250 To 500, Deduct	-35.37	
		For >500, Deduct	-50.68	
26 51 19 00-0449	EA	2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U).....	382.87	56.87
		For >50 To 100, Deduct	-11.94	
		For >100 To 250, Deduct	-21.51	
		For >250 To 500, Deduct	-38.29	
		For >500, Deduct	-55.06	
26 51 19 00-0450	EA	4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U).....	342.71	71.08
		For >50 To 100, Deduct	-11.53	
		For >100 To 250, Deduct	-20.10	
		For >250 To 500, Deduct	-34.27	
		For >500, Deduct	-48.45	
26 51 19 00-0451	EA	4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U).....	384.56	71.08
		For >50 To 100, Deduct	-12.58	
		For >100 To 250, Deduct	-22.19	
		For >250 To 500, Deduct	-38.46	
		For >500, Deduct	-54.72	
26 51 19 00-0452	EA	4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U).....	537.88	71.08
		For >50 To 100, Deduct	-16.41	
		For >100 To 250, Deduct	-29.86	
		For >250 To 500, Deduct	-53.79	
		For >500, Deduct	-77.72	
26 51 19 00-0453		Wide Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0445)		
26 51 19 00-0454	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U).....	368.28	56.87
		For >50 To 100, Deduct	-11.58	
		For >100 To 250, Deduct	-20.78	
		For >250 To 500, Deduct	-36.83	
		For >500, Deduct	-52.87	
26 51 19 00-0455	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U).....	382.87	56.87
		For >50 To 100, Deduct	-11.94	
		For >100 To 250, Deduct	-21.51	
		For >250 To 500, Deduct	-38.29	
		For >500, Deduct	-55.06	
26 51 19 00-0456	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U).....	412.05	56.87
		For >50 To 100, Deduct	-12.67	
		For >100 To 250, Deduct	-22.97	
		For >250 To 500, Deduct	-41.21	
		For >500, Deduct	-59.44	
26 51 19 00-0457	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U).....	479.52	71.08
		For >50 To 100, Deduct	-14.95	
		For >100 To 250, Deduct	-26.94	
		For >250 To 500, Deduct	-47.95	
		For >500, Deduct	-68.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0458	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U)	537.88	71.08	
		For >50 To 100, Deduct	-16.41		
		For >100 To 250, Deduct	-29.86		
		For >250 To 500, Deduct	-53.79		
		For >500, Deduct	-77.72		
26 51 19 00-0459	EA	4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U)	596.25	71.08	
		For >50 To 100, Deduct	-17.87		
		For >100 To 250, Deduct	-32.77		
		For >250 To 500, Deduct	-59.63		
		For >500, Deduct	-86.48		
26 51 19 00-0460 Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) (26 51 19 00-0445)					
26 51 19 00-0461	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U)	368.28	56.87	
		For >50 To 100, Deduct	-11.58		
		For >100 To 250, Deduct	-20.78		
		For >250 To 500, Deduct	-36.83		
		For >500, Deduct	-52.87		
26 51 19 00-0462	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U)	383.98	56.87	
		For >50 To 100, Deduct	-11.97		
		For >100 To 250, Deduct	-21.57		
		For >250 To 500, Deduct	-38.40		
		For >500, Deduct	-55.23		
26 51 19 00-0463	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U)	412.05	56.87	
		For >50 To 100, Deduct	-12.67		
		For >100 To 250, Deduct	-22.97		
		For >250 To 500, Deduct	-41.21		
		For >500, Deduct	-59.44		
26 51 19 00-0464	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U)	479.52	71.08	
		For >50 To 100, Deduct	-14.95		
		For >100 To 250, Deduct	-26.94		
		For >250 To 500, Deduct	-47.95		
		For >500, Deduct	-68.97		
26 51 19 00-0465	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U)	537.88	71.08	
		For >50 To 100, Deduct	-16.41		
		For >100 To 250, Deduct	-29.86		
		For >250 To 500, Deduct	-53.79		
		For >500, Deduct	-77.72		
26 51 19 00-0466	EA	4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U)	596.25	71.08	
		For >50 To 100, Deduct	-17.87		
		For >100 To 250, Deduct	-32.77		
		For >250 To 500, Deduct	-59.63		
		For >500, Deduct	-86.48		
26 51 19 00-0467 Ceiling Mounted LED Fixtures (26 51 19 00-0001)					
26 51 19 00-0468 Ceiling Mounted, LED Drum Fixtures (Enertron) (26 51 19 00-0467)					
26 51 19 00-0469	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	131.54	47.38	
		For >50 To 100, Deduct	-5.07		
		For >100 To 250, Deduct	-8.35		
		For >250 To 500, Deduct	-13.15		
		For >500, Deduct	-17.95		
26 51 19 00-0470	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	137.54	47.38	
		For >50 To 100, Deduct	-5.22		
		For >100 To 250, Deduct	-8.65		
		For >250 To 500, Deduct	-13.75		
		For >500, Deduct	-18.85		
26 51 19 00-0471	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	143.55	47.38	
		For >50 To 100, Deduct	-5.37		
		For >100 To 250, Deduct	-8.95		
		For >250 To 500, Deduct	-14.36		
		For >500, Deduct	-19.76		
26 51 19 00-0472	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	149.55	47.38	
		For >50 To 100, Deduct	-5.52		
		For >100 To 250, Deduct	-9.25		
		For >250 To 500, Deduct	-14.96		
		For >500, Deduct	-20.66		
26 51 19 00-0473	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	144.87	52.12	
		For >50 To 100, Deduct	-5.58		
		For >100 To 250, Deduct	-9.20		
		For >250 To 500, Deduct	-14.49		
		For >500, Deduct	-19.78		
26 51 19 00-0474	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	150.87	52.12	
		For >50 To 100, Deduct	-5.73		
		For >100 To 250, Deduct	-9.50		
		For >250 To 500, Deduct	-15.09		
		For >500, Deduct	-20.68		
26 51 19 00-0475	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	156.87	52.12	
		For >50 To 100, Deduct	-5.88		
		For >100 To 250, Deduct	-9.80		
		For >250 To 500, Deduct	-15.69		
		For >500, Deduct	-21.58		

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 51 19 00-0476	EA 14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	162.88	52.12
	For>50 To 100, Deduct	-6.03	
	For>100 To 250, Deduct	-10.10	
	For>250 To 500, Deduct	-16.29	
	For>500, Deduct	-22.48	
26 51 19 00-0477	EA 14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	174.88	52.12
	For>50 To 100, Deduct	-6.33	
	For>100 To 250, Deduct	-10.70	
	For>250 To 500, Deduct	-17.49	
	For>500, Deduct	-24.28	
26 51 19 00-0478	EA 11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	131.54	47.38
	For>50 To 100, Deduct	-5.07	
	For>100 To 250, Deduct	-8.35	
	For>250 To 500, Deduct	-13.15	
	For>500, Deduct	-17.95	
26 51 19 00-0479	EA 11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	137.54	47.38
	For>50 To 100, Deduct	-5.22	
	For>100 To 250, Deduct	-8.65	
	For>250 To 500, Deduct	-13.75	
	For>500, Deduct	-18.85	
26 51 19 00-0480	EA 11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	143.54	47.38
	For>50 To 100, Deduct	-5.37	
	For>100 To 250, Deduct	-8.95	
	For>250 To 500, Deduct	-14.35	
	For>500, Deduct	-19.75	
26 51 19 00-0481	EA 11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	149.55	47.38
	For>50 To 100, Deduct	-5.52	
	For>100 To 250, Deduct	-9.25	
	For>250 To 500, Deduct	-14.96	
	For>500, Deduct	-20.66	
26 51 19 00-0482	EA 14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	144.87	52.12
	For>50 To 100, Deduct	-5.58	
	For>100 To 250, Deduct	-9.20	
	For>250 To 500, Deduct	-14.49	
	For>500, Deduct	-19.78	
26 51 19 00-0483	EA 14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	150.87	52.12
	For>50 To 100, Deduct	-5.73	
	For>100 To 250, Deduct	-9.50	
	For>250 To 500, Deduct	-15.09	
	For>500, Deduct	-20.68	
26 51 19 00-0484	EA 14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	156.87	52.12
	For>50 To 100, Deduct	-5.88	
	For>100 To 250, Deduct	-9.80	
	For>250 To 500, Deduct	-15.69	
	For>500, Deduct	-21.58	
26 51 19 00-0485	EA 14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	162.88	52.12
	For>50 To 100, Deduct	-6.03	
	For>100 To 250, Deduct	-10.10	
	For>250 To 500, Deduct	-16.29	
	For>500, Deduct	-22.48	
26 51 19 00-0486	EA 14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	174.88	52.12
	For>50 To 100, Deduct	-6.33	
	For>100 To 250, Deduct	-10.70	
	For>250 To 500, Deduct	-17.49	
	For>500, Deduct	-24.28	
26 51 19 00-0487	EA 11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	131.54	47.38
	For>50 To 100, Deduct	-5.07	
	For>100 To 250, Deduct	-8.35	
	For>250 To 500, Deduct	-13.15	
	For>500, Deduct	-17.95	
26 51 19 00-0488	EA 11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	137.54	47.38
	For>50 To 100, Deduct	-5.22	
	For>100 To 250, Deduct	-8.65	
	For>250 To 500, Deduct	-13.75	
	For>500, Deduct	-18.85	
26 51 19 00-0489	EA 11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	143.54	47.38
	For>50 To 100, Deduct	-5.37	
	For>100 To 250, Deduct	-8.95	
	For>250 To 500, Deduct	-14.35	
	For>500, Deduct	-19.75	
26 51 19 00-0490	EA 11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	149.55	47.38
	For>50 To 100, Deduct	-5.52	
	For>100 To 250, Deduct	-9.25	
	For>250 To 500, Deduct	-14.96	
	For>500, Deduct	-20.66	
26 51 19 00-0491	EA 14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	144.87	52.12
	For>50 To 100, Deduct	-5.58	
	For>100 To 250, Deduct	-9.20	
	For>250 To 500, Deduct	-14.49	
	For>500, Deduct	-19.78	
26 51 19 00-0492	EA 14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	150.87	52.12
	For>50 To 100, Deduct	-5.73	
	For>100 To 250, Deduct	-9.50	
	For>250 To 500, Deduct	-15.09	
	For>500, Deduct	-20.68	
26 51 19 00-0493	EA 14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	156.87	52.12
	For>50 To 100, Deduct	-5.88	
	For>100 To 250, Deduct	-9.80	
	For>250 To 500, Deduct	-15.69	
	For>500, Deduct	-21.58	

		Electrical	26	26
		Lighting	26 50	
		Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0494	EA	14"	Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	162.88	52.12
			For >50 To 100, Deduct	-6.03	
			For >100 To 250, Deduct	-10.10	
			For >250 To 500, Deduct	-16.29	
			For >500, Deduct	-22.48	
26 51 19 00-0495	EA	14"	Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	174.88	52.12
			For >50 To 100, Deduct	-6.33	
			For >100 To 250, Deduct	-10.70	
			For >250 To 500, Deduct	-17.49	
			For >500, Deduct	-24.28	
26 51 19 00-0496	EA	11"	Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	131.54	47.38
			For >50 To 100, Deduct	-5.07	
			For >100 To 250, Deduct	-8.35	
			For >250 To 500, Deduct	-13.15	
			For >500, Deduct	-17.95	
26 51 19 00-0497	EA	11"	Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	137.54	47.38
			For >50 To 100, Deduct	-5.22	
			For >100 To 250, Deduct	-8.65	
			For >250 To 500, Deduct	-13.75	
			For >500, Deduct	-18.85	
26 51 19 00-0498	EA	11"	Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	143.54	47.38
			For >50 To 100, Deduct	-5.37	
			For >100 To 250, Deduct	-8.95	
			For >250 To 500, Deduct	-14.35	
			For >500, Deduct	-19.75	
26 51 19 00-0499	EA	11"	Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	149.55	47.38
			For >50 To 100, Deduct	-5.52	
			For >100 To 250, Deduct	-9.25	
			For >250 To 500, Deduct	-14.96	
			For >500, Deduct	-20.66	
26 51 19 00-0500	EA	14"	Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	144.87	52.12
			For >50 To 100, Deduct	-5.58	
			For >100 To 250, Deduct	-9.20	
			For >250 To 500, Deduct	-14.49	
			For >500, Deduct	-19.78	
26 51 19 00-0501	EA	14"	Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	150.87	52.12
			For >50 To 100, Deduct	-5.73	
			For >100 To 250, Deduct	-9.50	
			For >250 To 500, Deduct	-15.09	
			For >500, Deduct	-20.68	
26 51 19 00-0502	EA	14"	Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	156.87	52.12
			For >50 To 100, Deduct	-5.88	
			For >100 To 250, Deduct	-9.80	
			For >250 To 500, Deduct	-15.69	
			For >500, Deduct	-21.58	
26 51 19 00-0503	EA	14"	Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	162.88	52.12
			For >50 To 100, Deduct	-6.03	
			For >100 To 250, Deduct	-10.10	
			For >250 To 500, Deduct	-16.29	
			For >500, Deduct	-22.48	
26 51 19 00-0504	EA	14"	Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	174.88	52.12
			For >50 To 100, Deduct	-6.33	
			For >100 To 250, Deduct	-10.70	
			For >250 To 500, Deduct	-17.49	
			For >500, Deduct	-24.28	
26 51 19 00-0505	EA	19"	Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	180.84	56.27
			For >50 To 100, Deduct	-6.65	
			For >100 To 250, Deduct	-11.17	
			For >250 To 500, Deduct	-18.08	
			For >500, Deduct	-24.99	
26 51 19 00-0506	EA	19"	Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	194.48	56.27
			For >50 To 100, Deduct	-6.99	
			For >100 To 250, Deduct	-11.86	
			For >250 To 500, Deduct	-19.45	
			For >500, Deduct	-27.04	
26 51 19 00-0507	EA	19"	Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	191.15	56.27
			For >50 To 100, Deduct	-6.91	
			For >100 To 250, Deduct	-11.69	
			For >250 To 500, Deduct	-19.12	
			For >500, Deduct	-26.54	
26 51 19 00-0508	EA	19"	Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	191.09	56.27
			For >50 To 100, Deduct	-6.91	
			For >100 To 250, Deduct	-11.69	
			For >250 To 500, Deduct	-19.11	
			For >500, Deduct	-26.53	
26 51 19 00-0509	EA	19"	Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	206.48	56.27
			For >50 To 100, Deduct	-7.29	
			For >100 To 250, Deduct	-12.46	
			For >250 To 500, Deduct	-20.65	
			For >500, Deduct	-28.84	
26 51 19 00-0510	EA	19"	Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	201.52	56.27
			For >50 To 100, Deduct	-7.17	
			For >100 To 250, Deduct	-12.21	
			For >250 To 500, Deduct	-20.15	
			For >500, Deduct	-28.10	
26 51 19 00-0511	EA	19"	Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	222.31	56.27
			For >50 To 100, Deduct	-7.69	
			For >100 To 250, Deduct	-13.25	
			For >250 To 500, Deduct	-22.23	
			For >500, Deduct	-31.21	

26 Electrical**26 50 Lighting****26 51 Interior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 51 19 00-0512	EA 19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30).....	215.54	56.27
	For>50 To 100, Deduct	-7.52	
	For>100 To 250, Deduct	-12.91	
	For>250 To 500, Deduct	-21.55	
	For>500, Deduct	-30.20	
26 51 19 00-0513	EA 19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30).....	215.59	56.27
	For>50 To 100, Deduct	-7.52	
	For>100 To 250, Deduct	-12.91	
	For>250 To 500, Deduct	-21.56	
	For>500, Deduct	-30.21	
26 51 19 00-0514	EA 19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35).....	180.84	56.27
	For>50 To 100, Deduct	-6.65	
	For>100 To 250, Deduct	-11.17	
	For>250 To 500, Deduct	-18.08	
	For>500, Deduct	-24.99	
26 51 19 00-0515	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35).....	194.48	56.27
	For>50 To 100, Deduct	-6.99	
	For>100 To 250, Deduct	-11.86	
	For>250 To 500, Deduct	-19.45	
	For>500, Deduct	-27.04	
26 51 19 00-0516	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	191.15	56.27
	For>50 To 100, Deduct	-6.91	
	For>100 To 250, Deduct	-11.69	
	For>250 To 500, Deduct	-19.12	
	For>500, Deduct	-26.54	
26 51 19 00-0517	EA 19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35).....	191.09	56.27
	For>50 To 100, Deduct	-6.91	
	For>100 To 250, Deduct	-11.69	
	For>250 To 500, Deduct	-19.11	
	For>500, Deduct	-26.53	
26 51 19 00-0518	EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	206.48	56.27
	For>50 To 100, Deduct	-7.29	
	For>100 To 250, Deduct	-12.46	
	For>250 To 500, Deduct	-20.65	
	For>500, Deduct	-28.84	
26 51 19 00-0519	EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	201.52	56.27
	For>50 To 100, Deduct	-7.17	
	For>100 To 250, Deduct	-12.21	
	For>250 To 500, Deduct	-20.15	
	For>500, Deduct	-28.10	
26 51 19 00-0520	EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	222.31	56.27
	For>50 To 100, Deduct	-7.69	
	For>100 To 250, Deduct	-13.25	
	For>250 To 500, Deduct	-22.23	
	For>500, Deduct	-31.21	
26 51 19 00-0521	EA 19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35).....	215.54	56.27
	For>50 To 100, Deduct	-7.52	
	For>100 To 250, Deduct	-12.91	
	For>250 To 500, Deduct	-21.55	
	For>500, Deduct	-30.20	
26 51 19 00-0522	EA 19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35).....	215.59	56.27
	For>50 To 100, Deduct	-7.52	
	For>100 To 250, Deduct	-12.91	
	For>250 To 500, Deduct	-21.56	
	For>500, Deduct	-30.21	
26 51 19 00-0523	EA 19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40).....	180.84	56.27
	For>50 To 100, Deduct	-6.65	
	For>100 To 250, Deduct	-11.17	
	For>250 To 500, Deduct	-18.08	
	For>500, Deduct	-24.99	
26 51 19 00-0524	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	194.48	56.27
	For>50 To 100, Deduct	-6.99	
	For>100 To 250, Deduct	-11.86	
	For>250 To 500, Deduct	-19.45	
	For>500, Deduct	-27.04	
26 51 19 00-0525	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	191.15	56.27
	For>50 To 100, Deduct	-6.91	
	For>100 To 250, Deduct	-11.69	
	For>250 To 500, Deduct	-19.12	
	For>500, Deduct	-26.54	
26 51 19 00-0526	EA 19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40).....	191.09	56.27
	For>50 To 100, Deduct	-6.91	
	For>100 To 250, Deduct	-11.69	
	For>250 To 500, Deduct	-19.11	
	For>500, Deduct	-26.53	
26 51 19 00-0527	EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	206.48	56.27
	For>50 To 100, Deduct	-7.29	
	For>100 To 250, Deduct	-12.46	
	For>250 To 500, Deduct	-20.65	
	For>500, Deduct	-28.84	
26 51 19 00-0528	EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	201.52	56.27
	For>50 To 100, Deduct	-7.17	
	For>100 To 250, Deduct	-12.21	
	For>250 To 500, Deduct	-20.15	
	For>500, Deduct	-28.10	
26 51 19 00-0529	EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	222.31	56.27
	For>50 To 100, Deduct	-7.69	
	For>100 To 250, Deduct	-13.25	
	For>250 To 500, Deduct	-22.23	
	For>500, Deduct	-31.21	

		Electrical	26	26
		Lighting	26 50	
		Interior Lighting	26 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0530	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40).....	215.54	56.27	
		For >50 To 100, Deduct	-7.52		
		For >100 To 250, Deduct	-12.91		
		For >250 To 500, Deduct	-21.55		
		For >500, Deduct	-30.20		
26 51 19 00-0531	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40).....	215.59	56.27	
		For >50 To 100, Deduct	-7.52		
		For >100 To 250, Deduct	-12.91		
		For >250 To 500, Deduct	-21.56		
		For >500, Deduct	-30.21		
26 51 19 00-0532	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50).....	180.84	56.27	
		For >50 To 100, Deduct	-6.65		
		For >100 To 250, Deduct	-11.17		
		For >250 To 500, Deduct	-18.08		
		For >500, Deduct	-24.99		
26 51 19 00-0533	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	194.48	56.27	
		For >50 To 100, Deduct	-6.99		
		For >100 To 250, Deduct	-11.86		
		For >250 To 500, Deduct	-19.45		
		For >500, Deduct	-27.04		
26 51 19 00-0534	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50).....	191.15	56.27	
		For >50 To 100, Deduct	-6.91		
		For >100 To 250, Deduct	-11.69		
		For >250 To 500, Deduct	-19.12		
		For >500, Deduct	-26.54		
26 51 19 00-0535	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50).....	191.09	56.27	
		For >50 To 100, Deduct	-6.91		
		For >100 To 250, Deduct	-11.69		
		For >250 To 500, Deduct	-19.11		
		For >500, Deduct	-26.53		
26 51 19 00-0536	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	206.48	56.27	
		For >50 To 100, Deduct	-7.29		
		For >100 To 250, Deduct	-12.46		
		For >250 To 500, Deduct	-20.65		
		For >500, Deduct	-28.84		
26 51 19 00-0537	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	201.52	56.27	
		For >50 To 100, Deduct	-7.17		
		For >100 To 250, Deduct	-12.21		
		For >250 To 500, Deduct	-20.15		
		For >500, Deduct	-28.10		
26 51 19 00-0538	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	222.31	56.27	
		For >50 To 100, Deduct	-7.69		
		For >100 To 250, Deduct	-13.25		
		For >250 To 500, Deduct	-22.23		
		For >500, Deduct	-31.21		
26 51 19 00-0539	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50).....	215.54	56.27	
		For >50 To 100, Deduct	-7.52		
		For >100 To 250, Deduct	-12.91		
		For >250 To 500, Deduct	-21.55		
		For >500, Deduct	-30.20		
26 51 19 00-0540	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50).....	215.59	56.27	
		For >50 To 100, Deduct	-7.52		
		For >100 To 250, Deduct	-12.91		
		For >250 To 500, Deduct	-21.56		
		For >500, Deduct	-30.21		
26 51 19 00-0541 Ceiling Mounted, LED Mushroom Fixtures (Mobern) (26 51 19 00-0467)					
26 51 19 00-0542	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30).....	197.72	52.12	
		For >50 To 100, Deduct	-6.90		
		For >100 To 250, Deduct	-11.84		
		For >250 To 500, Deduct	-19.77		
		For >500, Deduct	-27.70		
26 51 19 00-0543 Ceiling Mounted, LED Fixtures (Sylvania) (26 51 19 00-0467)					
26 51 19 00-0544	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D).....	729.61	56.27	
		For >50 To 100, Deduct	-20.37		
		For >100 To 250, Deduct	-38.61		
		For >250 To 500, Deduct	-72.96		
		For >500, Deduct	-107.31		
26 51 19 00-0545	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMK1T1A/24A/WH).....	281.95	47.38	
		For >50 To 100, Deduct	-8.83		
		For >100 To 250, Deduct	-15.87		
		For >250 To 500, Deduct	-28.20		
		For >500, Deduct	-40.52		
26 51 19 00-0546	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMK1T1A/24A/WH).....	350.82	55.20	
		For >50 To 100, Deduct	-10.84		
		For >100 To 250, Deduct	-19.61		
		For >250 To 500, Deduct	-35.08		
		For >500, Deduct	-50.55		
26 51 19 00-0547	EA	2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMK1T1A/24A/WH).....	354.91	55.20	
		For >50 To 100, Deduct	-10.95		
		For >100 To 250, Deduct	-19.82		
		For >250 To 500, Deduct	-35.49		
		For >500, Deduct	-51.16		

26	26	Electrical
	26 50	Lighting
	26 51	Interior Lighting



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0548		Refrigeration/Display LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0549		Refrigeration/Display LED Fixtures (Lithonia) (26 51 19 00-0548)		
		Note: Fixtures exclude driver.		
26 51 19 00-0550	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	292.53	55.20
		For >50 To 100, Deduct	-9.39	
		For >100 To 250, Deduct	-16.70	
		For >250 To 500, Deduct	-29.25	
		For >500, Deduct	-41.81	
26 51 19 00-0551	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	384.41	97.73
		For >50 To 100, Deduct	-13.31	
		For >100 To 250, Deduct	-22.92	
		For >250 To 500, Deduct	-38.44	
		For >500, Deduct	-53.96	
26 51 19 00-0552	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	350.94	78.19
		For >50 To 100, Deduct	-11.74	
		For >100 To 250, Deduct	-20.51	
		For >250 To 500, Deduct	-35.09	
		For >500, Deduct	-49.68	
26 51 19 00-0553		Pendant Mount, LED Fixtures (26 51 19 00-0001)		
26 51 19 00-0554		Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) (26 51 19 00-0553)		
26 51 19 00-0555	EA	2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	2,682.04	120.83
		For >50 To 100, Deduct	-72.09	
		For >100 To 250, Deduct	-139.14	
		For >250 To 500, Deduct	-268.20	
		For >500, Deduct	-397.27	
26 51 19 00-0556	EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	4,050.11	127.93
		For >50 To 100, Deduct	-106.58	
		For >100 To 250, Deduct	-207.84	
		For >250 To 500, Deduct	-405.01	
		For >500, Deduct	-602.19	
26 51 19 00-0557	EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	5,172.15	135.04
		For >50 To 100, Deduct	-134.93	
		For >100 To 250, Deduct	-264.23	
		For >250 To 500, Deduct	-517.22	
		For >500, Deduct	-770.20	
26 51 19 00-0558	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	6,540.23	142.16
		For >50 To 100, Deduct	-169.43	
		For >100 To 250, Deduct	-332.93	
		For >250 To 500, Deduct	-654.02	
		For >500, Deduct	-975.11	
26 51 19 00-0559	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	2,844.70	120.83
		For >50 To 100, Deduct	-76.15	
		For >100 To 250, Deduct	-147.27	
		For >250 To 500, Deduct	-284.47	
		For >500, Deduct	-421.67	
26 51 19 00-0560	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	4,265.65	127.93
		For >50 To 100, Deduct	-111.97	
		For >100 To 250, Deduct	-218.61	
		For >250 To 500, Deduct	-426.57	
		For >500, Deduct	-634.52	
26 51 19 00-0561	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	5,389.72	135.04
		For >50 To 100, Deduct	-140.37	
		For >100 To 250, Deduct	-275.11	
		For >250 To 500, Deduct	-538.97	
		For >500, Deduct	-802.83	
26 51 19 00-0562	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	6,784.23	142.16
		For >50 To 100, Deduct	-175.53	
		For >100 To 250, Deduct	-345.13	
		For >250 To 500, Deduct	-678.42	
		For >500, Deduct	-1,011.71	
26 51 19 00-0563		Pendant Mount, LED Commercial Fixtures (DMF) (26 51 19 00-0553)		
26 51 19 00-0564	EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	1,039.56	71.08
		For >50 To 100, Deduct	-28.95	
		For >100 To 250, Deduct	-54.94	
		For >250 To 500, Deduct	-103.96	
		For >500, Deduct	-152.97	
26 51 19 00-0565		LED Track Lighting (26 51 19 00-0001)		
26 51 19 00-0566		Track Lighting Tracks (26 51 19 00-0565)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0567	LF	1	Circuit Track Lighting Track	24.81	8.56
			For >50 To 100, Deduct	-0.91	
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-2.48	
			For >500, Deduct	-3.43	
26 51 19 00-0568	LF	2	Circuit Track Lighting Track	31.87	8.56
			For >50 To 100, Deduct	-1.12	
			For >100 To 250, Deduct	-1.92	
			For >250 To 500, Deduct	-3.19	
			For >500, Deduct	-4.46	
26 51 19 00-0569	LF	3	Circuit Track Lighting Track	37.92	8.56
			For >50 To 100, Deduct	-1.30	
			For >100 To 250, Deduct	-2.25	
			For >250 To 500, Deduct	-3.79	
			For >500, Deduct	-5.33	
26 51 19 00-0570	LF	4	Circuit Track Lighting Track	43.99	10.37
			For >50 To 100, Deduct	-1.49	
			For >100 To 250, Deduct	-2.59	
			For >250 To 500, Deduct	-4.40	
			For >500, Deduct	-6.21	
26 51 19 00-0571 LED Track Lighting Fixtures (26 51 19 00-0565)					
26 51 19 00-0572	EA	19	Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	205.68	21.65
			For >50 To 100, Deduct	-5.95	
			For >100 To 250, Deduct	-11.09	
			For >250 To 500, Deduct	-20.57	
			For >500, Deduct	-30.04	
26 51 19 00-0573	EA	18	Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	356.56	21.65
			For >50 To 100, Deduct	-9.72	
			For >100 To 250, Deduct	-18.64	
			For >250 To 500, Deduct	-35.66	
			For >500, Deduct	-52.67	
26 51 19 00-0574	EA	24	Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	211.41	21.65
			For >50 To 100, Deduct	-6.10	
			For >100 To 250, Deduct	-11.38	
			For >250 To 500, Deduct	-21.14	
			For >500, Deduct	-30.90	
26 51 19 00-0575 Track Lighting Accessories (26 51 19 00-0565)					
26 51 19 00-0576 Pendant Mounting (26 51 19 00-0575)					
26 51 19 00-0577	EA		Track Lighting Pendant Mounting, Up to 12"	28.36	
			For >50 To 100, Deduct	-1.20	
			For >100 To 250, Deduct	-1.90	
			For >250 To 500, Deduct	-2.84	
			For >500, Deduct	-3.77	
26 51 19 00-0578	EA		Track Lighting Pendant Mounting, >12" To 24"	36.01	
			For >50 To 100, Deduct	-1.45	
			For >100 To 250, Deduct	-2.35	
			For >250 To 500, Deduct	-3.60	
			For >500, Deduct	-4.65	
26 51 19 00-0579	EA		Track Lighting Pendant Mounting, >24" To 36"	43.75	
			For >50 To 100, Deduct	-1.74	
			For >100 To 250, Deduct	-2.84	
			For >250 To 500, Deduct	-4.38	
			For >500, Deduct	-5.91	
26 51 23 HID Interior Lighting (26 51)					
26 51 23 00-0001 Large Interior Area Fixtures (26 51 23)					
26 51 23 00-0002 Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0001)					
Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.					
26 51 23 00-0003 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)					
26 51 23 00-0004	EA	150	Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	495.96	138.22
26 51 23 00-0005	EA	250	Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	516.67	146.77
26 51 23 00-0006	EA	400	Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	541.52	167.52
26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)					
26 51 23 00-0008	EA	150	Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	504.95	138.22
26 51 23 00-0009	EA	250	Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	520.48	146.77
26 51 23 00-0010	EA	400	Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	554.45	167.52
26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001)					
Note: Heavy-duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.					
26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures (26 51 23 00-0011)					
26 51 23 00-0013	EA	150	Watt High Pressure Sodium, Low Bay Fixture	501.34	126.28
26 51 23 00-0014	EA	250	Watt High Pressure Sodium, Low Bay Fixture	515.09	134.10
26 51 23 00-0015	EA	400	Watt High Pressure Sodium, Low Bay Fixture	545.63	153.05

26	26	Electrical
	26 50	Lighting
	26 51	Interior Lighting



		MINOR			TOTAL DIRECT	DEMOLITION
		CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 23 00-0016				Metal Halide, Low Bay Fixtures (26 51 23 00-0011)		
26 51 23 00-0017	EA			175 Watt Metal Halide, Low Bay Fixture	495.46	126.28
26 51 23 00-0018	EA			250 Watt Metal Halide, Low Bay Fixture	508.40	134.10
26 51 23 00-0019	EA			400 Watt Metal Halide, Low Bay Fixture	549.89	153.05
26 51 23 00-0020				High Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001)		
Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.						
26 51 23 00-0021				High Pressure Sodium, High Bay Fixtures (26 51 23 00-0020)		
Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.						
26 51 23 00-0022	EA			250 Watt High Pressure Sodium, High Bay Fixture	460.52	134.10
26 51 23 00-0023	EA			400 Watt High Pressure Sodium, High Bay Fixture	496.81	153.05
26 51 23 00-0024	EA			1,000 Watt High Pressure Sodium, High Bay Fixture	728.14	160.99
26 51 23 00-0025				Metal Halide, High Bay Fixtures (26 51 23 00-0020)		
Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.						
26 51 23 00-0026	EA			250 Watt Metal Halide, High Bay Fixture	428.20	134.10
26 51 23 00-0027	EA			400 Watt Metal Halide, High Bay Fixture	469.47	153.05
26 51 23 00-0028	EA			1,000 Watt Metal Halide, High Bay Fixture	616.03	160.99
26 51 23 00-0029				Induction, High Bay Fixtures (26 51 23 00-0020)		
26 51 23 00-0030				Induction, High Bay Fixtures (Everlast®) (26 51 23 00-0029)		
Note: Includes die cast aluminum ballast casing and acrylic lens.						
26 51 23 00-0031	EA			100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	502.50	117.28
For Impact Resistant Silicon Lens, Add					20.00	
26 51 23 00-0032	EA			120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	538.26	121.19
For Impact Resistant Silicon Lens, Add					20.00	
26 51 23 00-0033	EA			150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	548.30	125.10
For Impact Resistant Silicon Lens, Add					20.00	
26 51 23 00-0034	EA			200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	596.39	129.01
For Impact Resistant Silicon Lens, Add					20.00	
26 51 23 00-0035	EA			250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	611.57	132.92
For Impact Resistant Silicon Lens, Add					20.00	
26 51 23 00-0036	EA			100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	538.50	117.28
For Impact Resistant Silicon Lens, Add					20.00	
26 51 23 00-0037	EA			120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	574.27	121.19
For Impact Resistant Silicon Lens, Add					20.00	
26 51 23 00-0038	EA			150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	584.30	125.10
For Impact Resistant Silicon Lens, Add					20.00	
26 51 23 00-0039	EA			200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	632.40	129.01
For Impact Resistant Silicon Lens, Add					20.00	
26 51 23 00-0040	EA			250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	647.58	132.92
For Impact Resistant Silicon Lens, Add					20.00	
26 51 23 00-0041				Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0001)		
Note: Heavy-duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.						
26 51 23 00-0042				High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)		
26 51 23 00-0043	EA			100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	391.78	89.86
26 51 23 00-0044	EA			150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	697.47	89.86
26 51 23 00-0045	EA			250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	801.47	89.86
26 51 23 00-0046	EA			400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	1,071.95	89.86
26 51 23 00-0047				Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0041)		
26 51 23 00-0048	EA			100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	325.06	89.86
26 51 23 00-0049	EA			175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	342.25	99.71
26 51 23 00-0050	EA			250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	364.15	108.00
26 51 23 00-0051	EA			400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	408.96	128.62
26 51 23 00-0052				High Pressure Sodium, Recessed Fixture Housings (26 51 23)		
26 51 23 00-0053	EA			4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	170.96	37.34
26 51 23 00-0054	EA			5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	178.65	37.34
26 51 23 00-0055	EA			6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	187.64	38.90
26 51 23 00-0056	EA			7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	194.43	40.58
26 51 23 00-0057	EA			8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	201.15	42.27
26 51 23 00-0058	EA			10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	207.09	44.86
26 51 23 00-0059				Metal Halide Track Lighting Fixtures (26 51 23)		
26 51 23 00-0060	EA			Metal Halide Track Lighting Fixture	111.28	21.65
26 51 23 00-0061				Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0062	EA			75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	179.26	51.87
26 51 23 00-0063	EA			100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	184.46	51.87
26 51 23 00-0064	EA			150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	195.00	51.87

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0065	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	210.85	51.87
26 51 23 00-0066		High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 23)		
26 51 23 00-0067	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	166.91	51.87
26 51 23 00-0068	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	173.36	51.87
26 51 23 00-0069	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	198.28	51.87
26 51 33		Interior Lighting Accessories (26 51)		
26 51 33 00-0001		Accessories And Modifiers For Fixtures (26 51 33)		
26 51 33 00-0002		Lens Modifications (26 51 33 00-0001)		
26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	38.81	
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	47.94	
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	50.23	
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	54.79	
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	66.21	
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	15.98	
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	22.83	
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	25.11	
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	29.68	
26 51 33 00-0012		Pendant Mounting Modifications (26 51 33 00-0001)		
		Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section.....	17.35	
		Note: Per pendant.		
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section.....	20.09	
		Note: Per pendant.		
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section.....	25.71	
		Note: Per pendant.		
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section.....	30.36	
		Note: Per pendant.		
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section.....	38.35	
		Note: Per pendant.		
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section.....	52.05	
		Note: Per pendant.		
26 51 33 00-0019		Fluorescent Light Accessories (26 51 33 00-0001)		
26 51 33 00-0020	EA	Blank Metal Light Box Plate	31.61	
26 51 33 00-0021	EA	Factory Installed Fixture Mounted Occupancy Sensor	175.77	
26 51 33 00-0022		Wire Guards (26 51 33 00-0001)		
26 51 33 00-0023	EA	Wire Guard for 6" x 2' Fixture.....	74.02	6.49
26 51 33 00-0024	EA	Wire Guard for 6" x 4' Fixture.....	103.77	10.39
26 51 33 00-0025	EA	Wire Guard for 1" x 2' Fixture.....	82.64	7.15
26 51 33 00-0026	EA	Wire Guard for 1" x 4' Fixture.....	117.29	11.04
26 51 33 00-0027	EA	Wire Guard for 2" x 2' Fixture.....	101.04	7.79
26 51 33 00-0028	EA	Wire Guard for 2" x 4' Fixture.....	138.11	11.68
26 51 33 00-0029		Lighting Accessories (26 51 33)		
26 51 33 00-0030		Modular Flexible Wiring Systems (26 51 33 00-0029)		
26 51 33 00-0031	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	106.75	7.00
26 51 33 00-0032	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	126.39	7.00
26 51 33 00-0033	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	152.94	7.00
26 51 33 00-0034	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	126.39	7.00
26 51 33 00-0035	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	105.02	7.00
26 51 33 00-0036	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	158.49	7.00
26 51 33 00-0037	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	85.89	7.00
26 51 33 00-0038	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	97.71	7.00
26 51 33 00-0039	EA	7" Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	127.64	7.00
26 51 33 00-0040	EA	7" Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	127.64	7.00
26 51 33 00-0041	EA	7" Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	129.87	7.00
26 51 33 00-0042	EA	7" Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	129.05	7.00
26 51 33 00-0043	EA	7" Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	129.05	7.00
26 51 33 00-0044	EA	15' Length, Single Level, Modular Lighting Switch Cable (Day-Brite LS-27-SL-15)	148.95	7.00
26 51 33 00-0045	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	66.15	7.00
26 51 33 00-0046	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	61.50	7.00
26 51 33 00-0047	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	63.12	7.00
26 51 33 00-0048	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	80.34	7.00
26 51 33 00-0049	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	106.75	7.00
26 51 33 00-0050	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	109.55	7.00
26 51 33 00-0051	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	84.62	7.00
26 51 33 00-0052	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	61.50	7.00
26 51 33 00-0053	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	58.34	

26	26	Electrical
	26 50	Lighting
	26 51	Interior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 33 00-0054			Additional Lighting Wire Whips (26 51 33)		
26 51 33 00-0055	LF		For Each Additional LF Of Interior Lighting Wire Whip, Add 1.90 Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.		
26 51 33 00-0056			Removal And Reinstallation Of Light Fixtures (26 51 33)		
26 51 33 00-0057	EA		Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up. Removal And Reinstallation Of Lay-In Fluorescent Light Fixture 138.01		
26 51 33 00-0058	EA		Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture 157.72		

26 52 Safety Lighting (26 50)

26 52 13 Emergency and Exit Lighting (26 52)

26 52 13 13 Emergency Lighting (26 52 13)

26 52 13 13-0001			Commercial Emergency Lights (26 52 13 13)		
26 52 13 13-0002			Polycarbonate Housing, Commercial Emergency Lights (26 52 13 13-0001)		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0003	EA		3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED) 256.35	32.42	
26 52 13 13-0004	EA		10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2) 175.85	32.42	
			For Halogen Lamps, Add 27.55		
			For Self-Diagnostics, Add 87.50		
26 52 13 13-0005	EA		18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618) 281.20	32.42	
			For Halogen Lamps, Add 27.55		
			For Self-Diagnostics, Add 87.50		
26 52 13 13-0006	EA		27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627) 328.89	32.42	
			For Halogen Lamps, Add 27.55		
			For Self-Diagnostics, Add 87.50		
26 52 13 13-0007	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654) 492.78	32.42	
			For Halogen Lamps, Add 27.55		
			For Self-Diagnostics, Add 87.50		
26 52 13 13-0008	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254) 559.31	32.42	
			For Halogen Lamps, Add 27.55		
			For Self-Diagnostics, Add 87.50		
26 52 13 13-0009	EA		72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272) 818.51	32.42	
			For Halogen Lamps, Add 27.55		
			For Self-Diagnostics, Add 87.50		
26 52 13 13-0010			Remote Heads For Commercial Emergency Lights (26 52 13 13-0001)		
			Note: For use with fixtures that have remote capability.		
26 52 13 13-0011	EA		6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606) 173.84	19.45	
26 52 13 13-0012	EA		6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606) 175.04	19.45	
26 52 13 13-0013	EA		8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806) 179.06	19.45	
26 52 13 13-0014	EA		12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212) 178.41	19.45	
26 52 13 13-0015	EA		12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212) 153.71	19.45	
26 52 13 13-0016	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206) 104.65	19.45	
26 52 13 13-0017			Industrial Emergency Lights (26 52 13 13)		
26 52 13 13-0018			Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0017)		
26 52 13 13-0019			Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018)		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020	EA		16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16) 456.58	32.42	
			For Wireguard, Add 235.71		
26 52 13 13-0021	EA		24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24) 382.15	32.42	
			For Wireguard, Add 235.71		
26 52 13 13-0022	EA		36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36) 599.69	32.42	
			For Wireguard, Add 235.71		
26 52 13 13-0023	EA		50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50) 637.23	32.42	
			For Wireguard, Add 235.71		
26 52 13 13-0024	EA		125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125) 912.56	32.42	
			For Wireguard, Add 251.06		
26 52 13 13-0025	EA		275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275) 1,439.26	32.42	
			For Wireguard, Add 251.06		

		Electrical	26	26
		Lighting	26 50	
		Safety Lighting	26 52	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

26 52 13 13-0026	Remote Heads For Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018) Note: For use with fixtures that have remote capability.			
26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	132.92	19.45
		For Wireguard, Add	190.22	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	137.60	19.45
		For Wireguard, Add	190.22	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	133.58	19.45
		For Wireguard, Add	190.22	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	134.34	19.45
		For Wireguard, Add	190.22	
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	137.60	19.45
		For Wireguard, Add	190.22	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	161.33	19.45
		For Wireguard, Add	190.22	
26 52 13 13-0033	Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0017)			
26 52 13 13-0034	Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0033) Note: Includes lead-calcium batteries and two adjustable lamp heads.			
26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	450.60	32.42
		For Wireguard, Add	229.18	
		For Self-Diagnostics, Add	105.50	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	490.32	32.42
		For Wireguard, Add	229.18	
		For Self-Diagnostics, Add	105.50	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	479.44	32.42
		For Wireguard, Add	229.18	
		For Self-Diagnostics, Add	105.50	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	507.19	32.42
		For Wireguard, Add	229.18	
		For Self-Diagnostics, Add	105.50	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	858.69	32.42
		For Wireguard, Add	229.18	
		For Self-Diagnostics, Add	105.50	
26 52 13 13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	673.14	32.42
		For Wireguard, Add	229.18	
		For Self-Diagnostics, Add	61.50	
26 52 13 13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	754.76	32.42
		For Wireguard, Add	229.18	
		For Self-Diagnostics, Add	61.50	
26 52 13 13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	796.11	32.42
		For Wireguard, Add	229.18	
		For Self-Diagnostics, Add	61.50	
26 52 13 13-0043	Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0033) Note: For use with fixtures that have remote capability.			
26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	114.97	19.45
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	124.44	19.45
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	115.08	19.45
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	122.04	19.45
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	104.15	19.45
26 52 13 13-0049	Outdoor Emergency Lights (26 52 13 13)			
26 52 13 13-0050	Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights (26 52 13 13-0049) Note: Includes nickel-cadmium batteries.			
26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	712.86	32.42
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	851.61	32.42

26	26	Electrical
	26 50	Lighting
	26 52	Safety Lighting



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 52 13 13-0053	Recessed Emergency Lights (26 52 13 13)			
26 52 13 13-0054	EA 10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	777.48		32.42
	For Wire Guard, Add	60.00		
26 52 13 13-0055	EA 16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2)	608.73		64.82
	Note: Includes lead-calcium batteries and two adjustable lamp heads.			
	For Wireguard, Add	251.06		
26 52 13 13-0056	EA 50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4)	877.64		64.82
	Note: Includes lead-calcium batteries and two adjustable lamp heads.			
	For Wireguard, Add	251.06		
26 52 13 13-0057	Square Wraparound Emergency Lights (26 52 13 13)			
26 52 13 13-0058	EA 10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	353.35		32.42
26 52 13 16	Exit Signs (26 52 13)			
	Note: Excludes pendants.			
26 52 13 16-0001	LED Exit Signs (26 52 13 16)			
	Note: Includes red LED lamps.			
26 52 13 16-0002	EA Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	204.83		47.39
	For Green LED Lamps, Add	15.00		
	For >50 To 100, Deduct	-7.49		
	For >100 To 250, Deduct	-12.61		
	For >250 To 500, Deduct	-20.48		
	For >500, Deduct	-28.36		
26 52 13 16-0003	EA Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	204.83		47.39
	For Green LED Lamps, Add	15.00		
	For >50 To 100, Deduct	-7.49		
	For >100 To 250, Deduct	-12.61		
	For >250 To 500, Deduct	-20.48		
	For >500, Deduct	-28.36		
26 52 13 16-0004	EA Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N- M6)	287.14		47.39
	For Green LED Lamps, Add	15.00		
	For Self-Diagnostics, Add	50.00		
	For >50 To 100, Deduct	-9.55		
	For >100 To 250, Deduct	-16.73		
	For >250 To 500, Deduct	-28.71		
	For >500, Deduct	-40.70		
26 52 13 16-0005	EA Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	287.14		47.39
	For Green LED Lamps, Add	15.00		
	For Self-Diagnostics, Add	50.00		
	For >50 To 100, Deduct	-9.55		
	For >100 To 250, Deduct	-16.73		
	For >250 To 500, Deduct	-28.71		
	For >500, Deduct	-40.70		
26 52 13 16-0006	EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	316.56		47.39
	For Green LED Lamps, Add	15.00		
	For >50 To 100, Deduct	-10.28		
	For >100 To 250, Deduct	-18.20		
	For >250 To 500, Deduct	-31.66		
	For >500, Deduct	-45.11		
26 52 13 16-0007	EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	359.47		47.39
	For Green LED Lamps, Add	15.00		
	For >50 To 100, Deduct	-11.36		
	For >100 To 250, Deduct	-20.34		
	For >250 To 500, Deduct	-35.95		
	For >500, Deduct	-51.55		
26 52 13 16-0008	EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	298.62		47.39
	For Green LED Lamps, Add	15.00		
	For Self-Diagnostics, Add	50.00		
	For >50 To 100, Deduct	-9.84		
	For >100 To 250, Deduct	-17.30		
	For >250 To 500, Deduct	-29.86		
	For >500, Deduct	-42.42		
26 52 13 16-0009	EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	329.77		47.39
	For Green LED Lamps, Add	15.00		
	For Self-Diagnostics, Add	50.00		
	For >50 To 100, Deduct	-10.61		
	For >100 To 250, Deduct	-18.86		
	For >250 To 500, Deduct	-32.98		
	For >500, Deduct	-47.10		
26 52 13 16-0010	EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4)	379.91		47.39
	Note: Includes two circular side mounted krypton emergency lights.			
	For Green LED Lamps, Add	15.00		
	For >50 To 100, Deduct	-12.74		
	For >100 To 250, Deduct	-22.24		
	For >250 To 500, Deduct	-37.99		
	For >500, Deduct	-53.75		

		Electrical	26	26
		Lighting	26 50	
		Safety Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0011	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6).....	324.72	47.39
			Note: Includes two circular side mounted LED emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-11.36	
			For >100 To 250, Deduct	-19.48	
			For >250 To 500, Deduct	-32.47	
			For >500, Deduct	-45.47	
26 52 13 16-0012	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	477.08	47.39
			Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-15.17	
			For >100 To 250, Deduct	-27.10	
			For >250 To 500, Deduct	-47.71	
			For >500, Deduct	-68.32	
26 52 13 16-0013	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	499.69	47.39
			Note: Includes two circular side mounted PAR 36 emergency lights.		
			For Green LED Lamps, Add	15.00	
			For >50 To 100, Deduct	-15.73	
			For >100 To 250, Deduct	-28.23	
			For >250 To 500, Deduct	-49.97	
			For >500, Deduct	-71.71	
26 52 13 16-0014	EA		Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	135.49	47.39
			For >50 To 100, Deduct	-5.76	
			For >100 To 250, Deduct	-9.14	
			For >250 To 500, Deduct	-13.55	
			For >500, Deduct	-17.95	
26 52 13 16-0015	EA		120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R).....	136.02	47.39
			For >50 To 100, Deduct	-5.77	
			For >100 To 250, Deduct	-9.17	
			For >250 To 500, Deduct	-13.60	
			For >500, Deduct	-18.03	
26 52 13 16-0016			Edge-Lit LED Exit Signs (26 52 13 16)		
			Note: Includes red LED lamps.		
26 52 13 16-0017	EA		Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6).....	281.90	47.39
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-9.42	
			For >100 To 250, Deduct	-16.46	
			For >250 To 500, Deduct	-28.19	
			For >500, Deduct	-39.92	
26 52 13 16-0018	EA		Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6).....	284.87	47.39
			For Green LED Lamps, Add	40.00	
			For >50 To 100, Deduct	-9.49	
			For >100 To 250, Deduct	-16.61	
			For >250 To 500, Deduct	-28.49	
			For >500, Deduct	-40.36	
26 52 13 16-0019	EA		Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6).....	304.97	47.39
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-9.99	
			For >100 To 250, Deduct	-17.62	
			For >250 To 500, Deduct	-30.50	
			For >500, Deduct	-43.38	
26 52 13 16-0020	EA		Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6).....	365.05	47.39
			For Green LED Lamps, Add	40.00	
			For Self-Diagnostics, Add	50.00	
			For >50 To 100, Deduct	-11.50	
			For >100 To 250, Deduct	-20.62	
			For >250 To 500, Deduct	-36.51	
			For >500, Deduct	-52.39	
26 52 13 16-0021			Self-Luminous Tritium Exit Signs (26 52 13 16)		
			Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 52 13 16-0022	EA		10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R).....	604.07	47.39
			For >50 To 100, Deduct	-17.47	
			For >100 To 250, Deduct	-32.57	
			For >250 To 500, Deduct	-60.41	
			For >500, Deduct	-88.24	
26 52 13 16-0023	EA		10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R).....	1,112.82	47.39
			For >50 To 100, Deduct	-30.19	
			For >100 To 250, Deduct	-58.01	
			For >250 To 500, Deduct	-111.28	
			For >500, Deduct	-164.55	
26 52 13 16-0024	EA		20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R).....	719.97	47.39
			For >50 To 100, Deduct	-20.37	
			For >100 To 250, Deduct	-38.37	
			For >250 To 500, Deduct	-72.00	
			For >500, Deduct	-105.63	

26 Electrical**26 50 Lighting****26 52 Safety Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 52 13 16-0025	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R).....	1,205.87		47.39
		For >50 To 100, Deduct	-32.52		
		For >100 To 250, Deduct	-62.66		
		For >250 To 500, Deduct	-120.59		
		For >500, Deduct	-178.51		
26 52 13 16-0026	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R).....	661.75		47.39
		For >50 To 100, Deduct	-18.91		
		For >100 To 250, Deduct	-35.46		
		For >250 To 500, Deduct	-66.18		
		For >500, Deduct	-96.89		
26 52 13 16-0027	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R).....	1,205.87		47.39
		For >50 To 100, Deduct	-32.52		
		For >100 To 250, Deduct	-62.66		
		For >250 To 500, Deduct	-120.59		
		For >500, Deduct	-178.51		
26 52 13 16-0028	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R).....	812.47		47.39
		For >50 To 100, Deduct	-22.68		
		For >100 To 250, Deduct	-42.99		
		For >250 To 500, Deduct	-81.25		
		For >500, Deduct	-119.50		
26 52 13 16-0029	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R).....	1,497.51		47.39
		For >50 To 100, Deduct	-39.81		
		For >100 To 250, Deduct	-77.25		
		For >250 To 500, Deduct	-149.75		
		For >500, Deduct	-222.26		
26 52 13 16-0030 Vandal-Resistant LED Exit Signs (26 52 13 16)					
Note: Includes red LED lamps.					
26 52 13 16-0031	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277).....	569.79		47.39
		For >50 To 100, Deduct	-16.61		
		For >100 To 250, Deduct	-30.86		
		For >250 To 500, Deduct	-56.98		
		For >500, Deduct	-83.10		
26 52 13 16-0032	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N).....	884.84		47.39
		For >50 To 100, Deduct	-24.49		
		For >100 To 250, Deduct	-46.61		
		For >250 To 500, Deduct	-88.48		
		For >500, Deduct	-130.36		
26 52 13 16-0033	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X).....	1,078.00		47.39
		For >50 To 100, Deduct	-29.32		
		For >100 To 250, Deduct	-56.27		
		For >250 To 500, Deduct	-107.80		
		For >500, Deduct	-159.33		
26 52 13 16-0034 Removal And Reinstallation Of Exit Light Fixture (26 52 13 16)					
Note: Includes storage, cleaning and supply materials.					
26 52 13 16-0035	EA	Removal And Reinstall Of Exit Light Fixtures.....	97.24		
		Note: Includes storage and cleaning.			
		For >50 To 100, Deduct	-4.86		
		For >100 To 250, Deduct	-7.29		
		For >250 To 500, Deduct	-9.72		
		For >500, Deduct	-12.16		
26 52 13 16-0036 Exit Sign Accessories (26 52 13 16)					
26 52 13 16-0037	EA	Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1).....	134.77		12.99
		For >50 To 100, Deduct	-4.02		
		For >100 To 250, Deduct	-7.39		
		For >250 To 500, Deduct	-13.48		
		For >500, Deduct	-19.57		
26 52 13 16-0038	EA	Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1).....	78.46		12.99
		For >50 To 100, Deduct	-2.61		
		For >100 To 250, Deduct	-4.57		
		For >250 To 500, Deduct	-7.85		
		For >500, Deduct	-11.12		
26 52 13 16-0039	EA	Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3).....	125.74		10.39
		For >50 To 100, Deduct	-3.66		
		For >100 To 250, Deduct	-6.81		
		For >250 To 500, Deduct	-12.57		
		For >500, Deduct	-18.34		
26 52 13 16-0040	EA	Removal And Replacement Of Battery For Exit Signs.....	134.64		
		Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity			
		For >50 To 100, Deduct	-4.18		
		For >100 To 250, Deduct	-7.54		
		For >250 To 500, Deduct	-13.46		
		For >500, Deduct	-19.38		

26 54 Classified Location Lighting (26 50)**26 54 19 LED Classified Location Lighting** (26 54)

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures (26 54 19)

			Electrical	26	26
			Lighting	26 50	
			Classified Location Lighting	26 54	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 54 19 00-0002			Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) (26 54 19 00-0001) Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L).....	2,791.79	106.61	
		For Bolt-On Visor, Add	106.99		
		For Bolt-On Wire Guard, Add	220.06		
		For 480 Volt, Add	188.41		
		For Warm White Color Rendering, Add	80.00		
		For >50 To 100, Deduct	-74.24		
		For >100 To 250, Deduct	-144.03		
		For >250 To 500, Deduct	-279.18		
		For >500, Deduct	-414.33		
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L).....	3,419.95	113.72	
		For Bolt-On Visor, Add	106.99		
		For Bolt-On Wire Guard, Add	220.06		
		For 480 Volt, Add	188.41		
		For Warm White Color Rendering, Add	80.00		
		For >50 To 100, Deduct	-90.24		
		For >100 To 250, Deduct	-175.74		
		For >250 To 500, Deduct	-342.00		
		For >500, Deduct	-508.25		
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L).....	3,863.25	120.83	
		For Bolt-On Visor, Add	106.99		
		For Bolt-On Wire Guard, Add	220.06		
		For 480 Volt, Add	188.41		
		For Warm White Color Rendering, Add	80.00		
		For >50 To 100, Deduct	-101.62		
		For >100 To 250, Deduct	-198.20		
		For >250 To 500, Deduct	-386.33		
		For >500, Deduct	-574.45		
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....	4,318.86	127.93	
		For Bolt-On Visor, Add	106.99		
		For Bolt-On Wire Guard, Add	220.06		
		For 480 Volt, Add	188.41		
		For Warm White Color Rendering, Add	80.00		
		For >50 To 100, Deduct	-113.30		
		For >100 To 250, Deduct	-221.27		
		For >250 To 500, Deduct	-431.89		
		For >500, Deduct	-642.50		
26 54 19 00-0007		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) (26 54 19 00-0001) Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.			
26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....	1,649.09	99.51	
		For 12/24 Volt DC Driver, Add	30.41		
		For Frosted Lens, Add	62.14		
		For Warm White Color Temperature LEDs, Add	80.00		
		For 55 Degree Ambient Suitability (AC Only) Option, Add	41.40		
		For Stanchion Mount, Add	256.35		
		For Ceiling Mount, Add	102.79		
		For Wall Mount, Add	150.05		
		For Teflon Coated Lens, Add	131.89		
		For Wall Mount With Junction Box, Add	219.09		
		For >50 To 100, Deduct	-45.37		
		For >100 To 250, Deduct	-86.60		
		For >250 To 500, Deduct	-164.91		
		For >500, Deduct	-243.22		
26 54 19 00-0009		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) (26 54 19 00-0001) Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.			
26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....	2,623.91	99.51	
		For Ceiling Mount, Add	19.67		
		For Quick Clip Mounting Option, Add	28.90		
		For Frosted Lens, Add	62.14		
		For Warm White Color Rendering, Add	80.00		
		For Polycarbonate Lens, Add	115.18		
		For 480 Volt, Add	188.41		
		For >50 To 100, Deduct	-69.74		
		For >100 To 250, Deduct	-135.34		
		For >250 To 500, Deduct	-262.39		
		For >500, Deduct	-389.44		

26 Electrical**26 50 Lighting****26 54 Classified Location Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 54 19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,906.50	106.61
		For Ceiling Mount, Add	19.67	
		For Quick Clip Mounting Option, Add	28.90	
		For Frosted Lens, Add	62.14	
		For Warm White Color Rendering, Add	80.00	
		For Polycarbonate Lens, Add	115.18	
		For 480 Volt, Add	188.41	
		For >50 To 100, Deduct	-77.10	
		For >100 To 250, Deduct	-149.77	
		For >250 To 500, Deduct	-290.65	
		For >500, Deduct	-431.53	
26 54 19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	3,257.02	113.72
		For Ceiling Mount, Add	19.67	
		For Quick Clip Mounting Option, Add	28.90	
		For Frosted Lens, Add	62.14	
		For Warm White Color Rendering, Add	80.00	
		For Polycarbonate Lens, Add	115.18	
		For 480 Volt, Add	188.41	
		For >50 To 100, Deduct	-86.16	
		For >100 To 250, Deduct	-167.59	
		For >250 To 500, Deduct	-325.70	
		For >500, Deduct	-483.81	
26 54 19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	4,244.75	120.83
		For Ceiling Mount, Add	19.67	
		For Quick Clip Mounting Option, Add	28.90	
		For Frosted Lens, Add	62.14	
		For Warm White Color Rendering, Add	80.00	
		For Polycarbonate Lens, Add	115.18	
		For 480 Volt, Add	188.41	
		For >50 To 100, Deduct	-111.15	
		For >100 To 250, Deduct	-217.27	
		For >250 To 500, Deduct	-424.48	
		For >500, Deduct	-631.68	
26 54 19 00-0014	EA	9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	4,870.64	127.93
		For Ceiling Mount, Add	19.67	
		For Quick Clip Mounting Option, Add	28.90	
		For Frosted Lens, Add	62.14	
		For Warm White Color Rendering, Add	80.00	
		For Polycarbonate Lens, Add	115.18	
		For 480 Volt, Add	188.41	
		For >50 To 100, Deduct	-127.10	
		For >100 To 250, Deduct	-248.86	
		For >250 To 500, Deduct	-487.06	
		For >500, Deduct	-725.27	
26 54 19 00-0015		Class I Division 1, Explosion Proof, LED Fixtures (26 54 19)		
26 54 19 00-0016		Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) (26 54 19 00-0015)		
		Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017	EA	5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	6,149.45	106.61
		For Wall Mount, Deduct	-23.89	
		For Warm Color Temperature LEDs, Add	128.73	
		For Stainless Steel Guard, Add	231.06	
		For Ceiling Mount, Add	278.73	
		For Stanchion Mount, Add	324.40	
		For Yoke Mount, Add	811.00	
		For >50 To 100, Deduct	-158.18	
		For >100 To 250, Deduct	-311.91	
		For >250 To 500, Deduct	-614.95	
		For >500, Deduct	-917.98	
26 54 19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	7,493.75	113.72
		For Wall Mount, Deduct	-23.89	
		For Warm Color Temperature LEDs, Add	128.73	
		For Stainless Steel Guard, Add	231.06	
		For Ceiling Mount, Add	278.73	
		For Stanchion Mount, Add	324.40	
		For Yoke Mount, Add	811.00	
		For >50 To 100, Deduct	-192.08	
		For >100 To 250, Deduct	-379.43	
		For >250 To 500, Deduct	-749.38	
		For >500, Deduct	-1,119.32	

		Electrical	26	26
		Lighting	26 50	
		Classified Location Lighting	26 54	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

26 54 19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	8,717.07	120.83
		For Wall Mount, Deduct	-23.89	
		For Warm Color Temperature LEDs, Add	128.73	
		For Stainless Steel Guard, Add	231.06	
		For Ceiling Mount, Add	278.73	
		For Stanchion Mount, Add	324.40	
		For Yoke Mount, Add	811.00	
		For >50 To 100, Deduct	-222.96	
		For >100 To 250, Deduct	-440.89	
		For >250 To 500, Deduct	-871.71	
		For >500, Deduct	-1,302.53	
26 54 19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	9,963.00	127.93
		For Wall Mount, Deduct	-23.89	
		For Warm Color Temperature LEDs, Add	128.73	
		For Stainless Steel Guard, Add	231.06	
		For Ceiling Mount, Add	278.73	
		For Stanchion Mount, Add	324.40	
		For Yoke Mount, Add	811.00	
		For >50 To 100, Deduct	-254.41	
		For >100 To 250, Deduct	-503.48	
		For >250 To 500, Deduct	-996.30	
		For >500, Deduct	-1,489.12	
26 54 19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	11,557.71	123.20
		For Wall Mount, Deduct	-23.89	
		For Warm Color Temperature LEDs, Add	128.73	
		For Stainless Steel Guard, Add	231.06	
		For Ceiling Mount, Add	278.73	
		For Stanchion Mount, Add	324.40	
		For Yoke Mount, Add	811.00	
		For >50 To 100, Deduct	-294.57	
		For >100 To 250, Deduct	-583.51	
		For >250 To 500, Deduct	-1,155.77	
		For >500, Deduct	-1,728.03	

26 55 Special Purpose Lighting (26 50)

26 55 13 Landscape Lighting (26 55)

26 55 13 00-0001 Bollards (26 55 13)

Note: Excludes concrete base.

26 55 13 00-0002 Aluminum Architectural Bollards (26 55 13 00-0001)

26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0002)

26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)

26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,641.17	110.21
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,654.13	116.69
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,667.10	123.17
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,542.88	129.66
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,641.17	110.21
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,654.13	116.69
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,667.10	123.17
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,542.88	129.66
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,641.17	110.21
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,654.13	116.69
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,667.10	123.17
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,542.88	129.66
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,641.17	110.21
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,654.13	116.69
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,667.10	123.17
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,542.88	129.66

26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)

26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,578.17	110.21
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,591.13	116.69
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,604.10	123.17
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,479.30	129.66
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,578.17	110.21
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,591.13	116.69
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,604.10	123.17
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,479.30	129.66
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,578.17	110.21
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,591.13	116.69
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,604.10	123.17
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,479.30	129.66
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,578.17	110.21
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,591.13	116.69
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,604.10	123.17
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,479.30	129.66

26 55 13 00-0038 Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0002)

26 Electrical
26 50 Lighting
26 55 Special Purpose Lighting

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 55 13 00-0039		Square, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)			
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,722.97	110.21	
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,735.93	116.69	
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,748.90	123.17	
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,624.10	129.66	
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,722.97	110.21	
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,735.93	116.69	
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,748.90	123.17	
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,624.10	129.66	
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,722.97	110.21	
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,735.93	116.69	
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,748.90	123.17	
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,692.56	129.66	
26 55 13 00-0052		Round, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)			
26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,659.40	110.21	
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,672.36	116.69	
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,685.33	123.17	
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,560.53	129.66	
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,659.40	110.21	
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,672.36	116.69	
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,685.33	123.17	
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,560.53	129.66	
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,659.40	110.21	
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,672.36	116.69	
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,685.33	123.17	
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,560.53	129.66	
26 55 13 00-0065		Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0002)			
26 55 13 00-0066		Square, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)			
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,634.00	110.21	
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,646.96	116.69	
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,659.93	123.17	
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,536.99	129.66	
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,634.00	110.21	
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,646.96	116.69	
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,659.93	123.17	
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,536.99	129.66	
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,634.00	110.21	
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,646.96	116.69	
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,659.93	123.17	
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,536.99	129.66	
26 55 13 00-0079		Round, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)			
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,571.81	110.21	
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,584.77	116.69	
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,597.74	123.17	
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,476.00	129.66	
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,571.81	110.21	
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,584.77	116.69	
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,597.74	123.17	
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,476.00	129.66	
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,571.81	110.21	
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,584.77	116.69	
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,597.74	123.17	
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,476.00	129.66	
26 55 13 00-0092		LED, Aluminum Architectural Bollards (26 55 13 00-0002)			
26 55 13 00-0093		Square, LED, Aluminum Architectural Bollards (26 55 13 00-0092)			
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,956.90	110.21	
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,969.86	116.69	
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,982.83	123.17	
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,861.61	129.66	
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,389.82	110.21	
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,402.78	116.69	
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,415.75	123.17	
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,292.38	129.66	
26 55 13 00-0102		Round, LED, Aluminum Architectural Bollards (26 55 13 00-0092)			
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,892.32	110.21	
26 55 13 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,905.28	116.69	
26 55 13 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,918.25	123.17	
26 55 13 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,794.88	129.66	
26 55 13 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,325.24	110.21	
26 55 13 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,338.20	116.69	
26 55 13 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,351.17	123.17	
26 55 13 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,228.57	129.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0111			Reinforced Concrete Bollards (26 55 13 00-0001)		
26 55 13 00-0112	EA		48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,623.00	324.14
26 55 13 00-0113	EA		58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,852.92	432.14
26 55 13 00-0114			Low Voltage (26 55 13)		
26 55 13 00-0115	EA		Low Voltage Recessed Uplight	840.95	235.98
26 55 13 00-0116	EA		Low Voltage Walkway	592.01	129.66
26 55 13 00-0117	EA		Low Voltage Malibu - 5 Light Set	588.16	173.09
26 55 13 00-0118	EA		Low Voltage Mushroom 24" Pier	507.33	129.66
26 55 13 00-0119			Recessed, Adjustable (26 55 13)		
26 55 13 00-0120	EA		150 Watt Incandescent Recessed, Adjustable	977.44	207.45
26 55 13 00-0121	EA		300 Watt Incandescent Recessed, Adjustable	1,068.17	207.45
26 55 13 00-0122			Recessed, Uplight (26 55 13)		
26 55 13 00-0123	EA		50 Watt Incandescent Recessed Uplight	874.60	207.45
26 55 13 00-0124	EA		150 Watt Incandescent Recessed Uplight	892.75	207.45
26 55 13 00-0125	EA		300 Watt Incandescent Recessed Uplight	947.19	207.45
26 55 13 00-0126	EA		500 Watt Quartz Recessed Uplight	941.14	207.45
26 55 13 00-0127	EA		5 Watt, LED Recessed Uplight	1,205.18	207.45
26 55 13 00-0128	EA		15 Watt, LED Recessed Uplight	1,325.79	207.45
26 55 13 00-0129			Recessed Wall Light (26 55 13)		
26 55 13 00-0130	EA		100 Watt Incandescent Recessed Wall Light	452.89	129.66
26 55 13 00-0131	EA		100 Watt Fluorescent Recessed Wall Light	434.74	129.66
26 55 13 00-0132	EA		100 Watt High Intensity Discharge (HID) Recessed Wall Light	703.09	173.09
26 55 13 00-0133			Step Lights (26 55 13)		
26 55 13 00-0134	EA		Incandescent Step Light	370.71	103.72
26 55 13 00-0135	EA		Fluorescent Step Light	431.26	103.72
26 55 13 00-0136	EA		5 Watt, LED Step Light	661.76	103.72
26 55 13 00-0137	EA		15 Watt, LED Step Light	790.41	103.72
26 55 13 00-0138			Tree Lights, Surface Adjustable (26 55 13)		
26 55 13 00-0139	EA		50 Watt Incandescent Tree Lights	781.73	173.09
26 55 13 00-0140	EA		100 Watt Incandescent Tree Lights	799.87	173.09
26 55 13 00-0141	EA		150 Watt Incandescent Tree Lights	1,002.54	259.32
26 55 16			Walkway Lighting (26 55)		
26 55 16 00-0001			Incandescent Walkway (26 55 16)		
26 55 16 00-0002	EA		Post Top 300 Watt Incandescent Walkway Fixture	421.83	120.58
26 55 16 00-0003			Metal Halide Walkway (26 55 16)		
26 55 16 00-0004	EA		Post Top 100 Watt Metal Halide Walkway Fixture	649.45	189.56
26 55 16 00-0005	EA		Post Top 150-175 Watt Metal Halide Walkway Fixture	686.76	196.43
26 55 16 00-0006	EA		Post Top 250 Watt Metal Halide Walkway Fixture	738.70	203.95
26 55 16 00-0007	EA		Post Top 400 Watt Metal Halide Walkway Fixture	791.59	220.42
26 55 16 00-0008	EA		Round Luminaries 100 Watt Metal Halide Walkway Fixture	707.18	203.95
26 55 16 00-0009	EA		Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	710.09	189.56
26 55 16 00-0010	EA		Round Luminaries 250 Watt Metal Halide Walkway Fixture	724.61	196.43
26 55 16 00-0011	EA		Spherical 100 Watt Metal Halide Walkway Fixture	569.58	135.10
26 55 16 00-0012	EA		Spherical 150-175 Watt Metal Halide Walkway Fixture	601.11	135.10
26 55 16 00-0013	EA		Spherical 250 Watt Metal Halide Walkway Fixture	632.63	135.10
26 55 16 00-0014	EA		Spherical 400 Watt Metal Halide Walkway Fixture	714.15	152.08
26 55 16 00-0015	EA		Low Walkway 100 Watt Metal Halide Walkway Fixture	542.26	121.36
26 55 16 00-0016			High Pressure Sodium Walkway (26 55 16)		
26 55 16 00-0017	EA		Post Top 100 Watt High Pressure Sodium Walkway Fixture	590.31	189.56
26 55 16 00-0018	EA		Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	622.48	196.43
26 55 16 00-0019	EA		Post Top 250 Watt High Pressure Sodium Walkway Fixture	666.30	203.95
26 55 16 00-0020	EA		Post Top 400 Watt High Pressure Sodium Walkway Fixture	714.90	220.42
26 55 16 00-0021	EA		Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	641.68	203.95
26 55 16 00-0022	EA		Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	637.69	189.56
26 55 16 00-0023	EA		Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	652.05	196.43
26 55 16 00-0024	EA		Spherical 100 Watt High Pressure Sodium Walkway Fixture	504.08	135.10
26 55 16 00-0025	EA		Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	528.70	135.10
26 55 16 00-0026	EA		Spherical 250 Watt High Pressure Sodium Walkway Fixture	553.33	135.10
26 55 16 00-0027	EA		Spherical 400 Watt High Pressure Sodium Walkway Fixture	624.51	152.08
26 55 16 00-0028	EA		Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	526.29	121.36

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 55 16 00-0029		Walkway, Adjustable (26 55 16)			
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	610.59	173.09	
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	626.14	173.09	
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	1,068.14	259.32	
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	508.16	129.66	
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	528.90	129.66	
26 55 16 00-0035		LED Walkway (26 55 16)			
26 55 16 00-0036		LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) (26 55 16 00-0035)			
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.					
26 55 16 00-0037	EA	13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	985.95	99.51	
For Multi-Level Drive Currents, Add			259.76		
26 55 16 00-0038	EA	18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,017.49	99.51	
For Multi-Level Drive Currents, Add			259.76		
26 55 16 00-0039	EA	36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,073.16	99.51	
For Multi-Level Drive Currents, Add			259.76		
26 55 16 00-0040	EA	42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,115.83	99.51	
For Multi-Level Drive Currents, Add			259.76		
26 55 16 00-0041	EA	96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,283.83	127.93	
For Multi-Level Drive Currents, Add			259.76		
26 55 16 00-0042		Wall Mounted Walkway Lighting (26 55 16 00-0035)			
26 55 16 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492).....	4,616.86		
Note: Type Fixture 17 as Post					
26 55 16 00-0044		Pole Mounted Walkway Lighting (26 55 16 00-0035)			
26 55 16 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27).....	4,258.44		
26 55 16 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12)	4,180.98		
Note: Washers and nuts included					
26 55 29		Underwater Lighting (26 55)			
26 55 29 00-0001		Underwater Lights (26 55 29)			
26 55 29 00-0002	EA	150 Watt, 120 Volt Underwater Lights	638.23	86.22	
26 55 29 00-0003	EA	300 Watt, 120 Volt Underwater Lights	710.82	86.22	
26 55 29 00-0004	EA	1,000 Watt, 120 Volt Underwater Lights	1,741.32	129.66	
26 55 29 00-0005	EA	50 Watt, 12 Volt Underwater Lights	668.48	86.22	
26 55 29 00-0006	EA	300 Watt, 12 Volt Underwater Lights	753.16	86.22	
26 55 29 00-0007	SET	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent.....	1,931.07	194.48	
26 55 53		Security Lighting (26 55)			
26 55 53 11		Security Flood Lighting (26 55 53)			
26 55 53 11-0001		Flood Lights (General Electric Powerflood®) (26 55 53 11)			
26 55 53 11-0002		MPF (Small Size) Series GE Flood Lights (26 55 53 11-0001)			
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.					
26 55 53 11-0003		High Pressure Sodium MPF Series GE Flood Lights (26 55 53 11-0002)			
26 55 53 11-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	394.41	107.94	
26 55 53 11-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	397.98	107.94	
26 55 53 11-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	403.93	107.94	
26 55 53 11-0007		Metal Halide MPF Series GE Flood Lights (26 55 53 11-0002)			
26 55 53 11-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	536.03	107.94	
26 55 53 11-0009		P-154 (Small Size) Series GE Flood Lights (26 55 53 11-0001)			
Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.					
26 55 53 11-0010		High Pressure Sodium P-154 Series GE Flood Lights (26 55 53 11-0009)			
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	800.78	143.92	
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	805.54	143.92	
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	813.87	143.92	
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	907.89	143.92	
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	935.26	143.92	
26 55 53 11-0016		Metal Halide P-154 Series GE Flood Lights (26 55 53 11-0009)			
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	792.45	143.92	
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	834.11	143.92	
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	855.53	143.92	

		Electrical	26	26
		Lighting	26 50	
		Special Purpose Lighting	26 55	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

26 55 53 11-0020	PF-154 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0021	High Pressure Sodium PF-154 Series GE Flood Lights (26 55 53 11-0020)			
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	816.52	161.91
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	822.47	161.91
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	831.99	161.91
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	924.82	161.91
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	951.00	161.91
26 55 53 11-0027	Metal Halide PF-154 GE Flood Lights (26 55 53 11-0020)			
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light.....	809.38	161.91
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light.....	849.84	161.91
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light.....	871.27	161.91
26 55 53 11-0031	PF-400 (Medium Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0032	High Pressure Sodium PF-400 Series GE Flood Lights (26 55 53 11-0031)			
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,097.38	161.91
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,180.69	161.91
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,174.74	161.91
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,204.49	161.91
26 55 53 11-0037	Metal Halide PF-400 GE Flood Lights (26 55 53 11-0031)			
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light.....	1,128.33	161.91
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light.....	1,153.32	161.91
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light.....	1,179.50	161.91
26 55 53 11-0041	PF-1000 (Large Size) Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0042	High Pressure Sodium PF-154 Series GE Flood Lights (26 55 53 11-0041)			
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,489.20	179.91
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,489.20	179.91
26 55 53 11-0045	Metal Halide PF-1000 Series GE Flood Lights (26 55 53 11-0041)			
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	1,420.18	179.91
26 55 53 11-0047	HLU/VLU (Medium Size) FRP Series GE Flood Lights (26 55 53 11-0001) Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0048	High Pressure Sodium HLU/VLU FRP Series GE Flood Lights (26 55 53 11-0047)			
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,211.63	161.91
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,234.25	161.91
26 55 53 11-0051	Metal Halide HLU/VLU Series GE Flood Lights (26 55 53 11-0047)			
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,224.73	161.91
26 55 53 11-0053	Accessories For Powerflood GE Flood Lights (26 55 53 11-0001)			
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	208.82	35.98
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	120.75	35.98
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light	175.50	35.98
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	133.85	35.98
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	337.28	107.94
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	146.94	35.98
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	248.02	107.94
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	258.73	107.94
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	110.04	35.98
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	106.47	35.98
26 55 53 11-0064	Flood Lights (Lithonia Contour Series) (26 55 53 11)			
26 55 53 11-0065	TFM (Small Size) Series Lithonia Flood Lights (26 55 53 11-0064) Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.			
26 55 53 11-0066	High Pressure Sodium TFM Series Lithonia Flood Lights (26 55 53 11-0065)			

26	26	Electrical
	26 50	Lighting
	26 55	Special Purpose Lighting



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	737.42	143.92
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	806.14	143.92
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	873.43	143.92
26 55 53 11-0070		Metal Halide TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light.....	957.40	143.92
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light.....	940.86	143.92
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light.....	914.20	143.92
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light.....	912.22	143.92
26 55 53 11-0075		Compact Fluorescent TFM Series Lithonia Flood Lights (26 55 53 11-0065)		
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	950.55	143.92
26 55 53 11-0077		TFL (Medium Size) Series Lithonia Flood Lights (26 55 53 11-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078		High Pressure Sodium TFL Series Lithonia Flood Lights (26 55 53 11-0077)		
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,131.47	161.91
26 55 53 11-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,154.39	161.91
26 55 53 11-0081		Metal Halide TFL Series Lithonia Flood Lights (26 55 53 11-0077)		
26 55 53 11-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,079.96	161.91
26 55 53 11-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,079.96	161.91
26 55 53 11-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,115.90	161.91
26 55 53 11-0085		TFR (Low Profile) Series Lithonia Flood Lights (26 55 53 11-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086		High Pressure Sodium TFR Lithonia Flood Lights (26 55 53 11-0085)		
26 55 53 11-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,084.07	143.92
26 55 53 11-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,118.37	143.92
26 55 53 11-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,147.03	143.92
26 55 53 11-0090		Metal Halide TFR Lithonia Flood Lights (26 55 53 11-0085)		
26 55 53 11-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	1,072.60	143.92
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	1,106.95	143.92
26 55 53 11-0093		TFA (Large Size) Series Lithonia Flood Lights (26 55 53 11-0064) Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		High Pressure Sodium TFA Series Lithonia Flood Lights (26 55 53 11-0093)		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	2,106.58	179.91
26 55 53 11-0096		Metal Halide TFA Series Lithonia Flood Lights (26 55 53 11-0093)		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,619.76	179.91
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,791.56	179.91
26 55 53 11-0099		Accessories For Contour Series Lithonia Flood Lights (26 55 53 11-0064)		
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light.....	179.95	35.98
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	348.59	35.98
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light.....	148.13	35.98
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light	199.66	35.98
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	444.94	107.94
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	353.75	107.94
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light.....	353.75	107.94
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	390.12	107.94
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	172.12	35.98
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	137.18	35.98
26 55 53 11-0110		Flood Lights (Eaton) (26 55 53 11)		
26 55 53 11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB).....	1,160.95	143.92
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	61.61	
		For >50 To 100, Deduct	-36.22	
		For >100 To 250, Deduct	-65.24	
		For >250 To 500, Deduct	-116.10	
		For >500, Deduct	-166.95	

		Electrical	26
		Lighting	26 50
		Special Purpose Lighting	26 55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0112	EA		16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016).....	1,444.20	158.72
			For >50 To 100, Deduct	-44.04	
			For >100 To 250, Deduct	-80.15	
			For >250 To 500, Deduct	-144.42	
			For >500, Deduct	-208.69	
26 55 53 11-0113			Flood Lights (Ruud) (26 55 53 11)		
26 55 53 11-0114			NS (Micro) Series Ruud Flood Lights (26 55 53 11-0113) Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115			High Pressure Sodium NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0116	EA		35 Watt High Pressure Sodium NS Series Ruud Flood Light	484.85	107.94
26 55 53 11-0117	EA		50 Watt High Pressure Sodium NS Series Ruud Flood Light	484.85	107.94
26 55 53 11-0118	EA		70 Watt High Pressure Sodium NS Series Ruud Flood Light	484.85	107.94
26 55 53 11-0119	EA		100 Watt High Pressure Sodium NS Series Ruud Flood Light	484.85	107.94
26 55 53 11-0120	EA		150 Watt High Pressure Sodium NS Series Ruud Flood Light	484.85	107.94
26 55 53 11-0121			Metal Halide NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0122	EA		50 Watt Metal Halide NS Series Ruud Flood Light	551.50	107.94
26 55 53 11-0123	EA		70 Watt Metal Halide NS Series Ruud Flood Light	551.50	107.94
26 55 53 11-0124	EA		100 Watt Metal Halide NS Series Ruud Flood Light	551.50	107.94
26 55 53 11-0125			Compact Fluorescent NS Series Ruud Flood Lights (26 55 53 11-0114)		
26 55 53 11-0126	EA		13 Watt Compact Fluorescent NS Series Ruud Flood Light	415.83	107.94
26 55 53 11-0127	EA		26 Watt Compact Fluorescent NS Series Ruud Flood Light	432.49	107.94
26 55 53 11-0128	EA		32 Watt Compact Fluorescent NS Series Ruud Flood Light	437.25	107.94
26 55 53 11-0129	EA		42 Watt Compact Fluorescent NS Series Ruud Flood Light	442.01	107.94
26 55 53 11-0130			NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 55 53 11-0113) Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131			High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0132	EA		150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	747.50	161.91
26 55 53 11-0133	EA		250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	790.34	161.91
26 55 53 11-0134	EA		400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	814.14	161.91
26 55 53 11-0135			Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0136	EA		175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	737.97	161.91
26 55 53 11-0137	EA		250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	742.74	161.91
26 55 53 11-0138	EA		400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	757.02	161.91
26 55 53 11-0139			Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)		
26 55 53 11-0140	EA		70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	721.31	161.91
26 55 53 11-0141			FS (Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142			High Pressure Sodium FS Series Ruud Flood Lights (26 55 53 11-0141)		
26 55 53 11-0143	EA		250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	873.65	161.91
26 55 53 11-0144	EA		400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	878.41	161.91
26 55 53 11-0145	EA		1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	1,490.40	179.91
26 55 53 11-0146			Metal Halide FS Series Ruud Flood Lights (26 55 53 11-0141)		
26 55 53 11-0147	EA		175 Watt Metal Halide FS Series Ruud Flood Light.....	873.65	161.91
26 55 53 11-0148	EA		250 Watt Metal Halide FS Series Ruud Flood Light.....	878.41	161.91
26 55 53 11-0149	EA		400 Watt Metal Halide FS Series Ruud Flood Light.....	892.69	161.91
26 55 53 11-0150	EA		1,000 Watt Metal Halide FS Series Ruud Flood Light.....	1,333.30	179.91
26 55 53 11-0151			MFS (Mini Square) Series Ruud Flood Lights (26 55 53 11-0113) Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152			High Pressure Sodium MFS Series Ruud Flood Lights (26 55 53 11-0151)		
26 55 53 11-0153	EA		35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	685.34	143.92
26 55 53 11-0154	EA		50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	735.33	143.92
26 55 53 11-0155	EA		70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	735.33	143.92
26 55 53 11-0156	EA		100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	735.33	143.92
26 55 53 11-0157	EA		150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	735.33	143.92
26 55 53 11-0158			Metal Halide MFS Series Ruud Flood Lights (26 55 53 11-0151)		
26 55 53 11-0159	EA		50 Watt Metal Halide MFS Series Ruud Flood Light.....	751.99	143.92
26 55 53 11-0160	EA		70 Watt Metal Halide MFS Series Ruud Flood Light.....	751.99	143.92

26	26	Electrical
	26 50	Lighting
	26 55	Special Purpose Lighting



MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
	26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light.....	751.99		143.92
	26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light.....	725.81		143.92
26 55 53 11-0163	MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights (26 55 53 11-0113)					
	Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.					
26 55 53 11-0164	High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)					
	26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	744.85		143.92
	26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	794.83		143.92
	26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	794.83		143.92
	26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	794.83		143.92
	26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	794.83		143.92
26 55 53 11-0170	Metal Halide MCF/MPM/MPN Series Ruud Flood Lights (26 55 53 11-0163)					
	26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	811.49		143.92
	26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	811.49		143.92
	26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	811.49		143.92
	26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	785.31		143.92
26 55 53 11-0175	CF (Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113)					
	Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.					
26 55 53 11-0176	High Pressure Sodium CF Series Ruud Flood Lights (26 55 53 11-0175)					
	26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	985.52		161.91
	26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,009.32		161.91
	26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,549.90		179.91
26 55 53 11-0180	Metal Halide CF Series Ruud Flood Lights (26 55 53 11-0175)					
	26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	933.15		161.91
	26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	937.91		161.91
	26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	952.19		161.91
	26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	1,392.81		179.91
26 55 53 11-0185	CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights (26 55 53 11-0113)					
	Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.					
26 55 53 11-0186	High Pressure Sodium CN Series Ruud Flood Lights (26 55 53 11-0185)					
	26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light.....	1,273.80		179.91
	26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light.....	1,521.34		179.91
26 55 53 11-0189	Metal Halide CN Series Ruud Flood Lights (26 55 53 11-0185)					
	26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light.....	1,216.67		179.91
	26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light.....	1,364.24		179.91
26 55 53 11-0192	PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights (26 55 53 11-0113)					
	Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.					
26 55 53 11-0193	High Pressure Sodium PM/PN Series Ruud Flood Lights (26 55 53 11-0192)					
	26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	1,018.84		161.91
	26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	1,042.64		161.91
26 55 53 11-0196	Metal Halide PM/PN Series Ruud Flood Lights (26 55 53 11-0192)					
	26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	966.47		161.91
	26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	971.23		161.91
	26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	985.52		161.91
	26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,426.13		179.91
26 55 53 11-0201	Accessories For Ruud Flood Lighting (26 55 53 11-0113)					
	26 55 53 11-0202	EA	Wireguard For Ruud Flood Light.....	107.66		35.98
	26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Ruud Flood Light	171.93		35.98
	26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Ruud Flood Light	124.32		35.98
	26 55 53 11-0205	EA	Vandal Shield For Ruud Flood Light	148.13		35.98
	26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light	296.82		107.94
	26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	93.38		35.98
26 55 53 11-0208	Flood Lights (Lumark) (26 55 53 11)					
26 55 53 11-0209	QZ Wedge Series Quartz Lumark Flood Lights (26 55 53 11-0208)					
	Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.					
	26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	264.57		107.94

		Electrical	26	26
		Lighting	26 50	
		Special Purpose Lighting	26 55	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	

26 55 53 11-0211	LQL Series Quartz Lumark Flood Lights (26 55 53 11-0208)			
Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.				
26 55 53 11-0212	EA 1,500 Watt LQL Series Quartz Lumark Flood Light	334.78		107.94
26 55 53 11-0213	Flood Lights (Kim Lighting) (26 55 53 11)			
26 55 53 11-0214	MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0213)			
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.				
26 55 53 11-0215	LED MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0214)			
26 55 53 11-0216	EA 5 Watt, LED MicroFlood® Series Kim Lighting Flood Light	559.57		45.45
	For >50 To 100, Deduct	-16.26		
	For >100 To 250, Deduct	-30.25		
	For >250 To 500, Deduct	-55.96		
	For >500, Deduct	-81.66		
26 55 53 11-0217	EA 15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	691.67		45.45
	For >50 To 100, Deduct	-19.56		
	For >100 To 250, Deduct	-36.86		
	For >250 To 500, Deduct	-69.17		
	For >500, Deduct	-101.48		
26 55 53 11-0218	Scarab® Series Kim Lighting Flood Lights (26 55 53 11-0213)			
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.				
26 55 53 11-0219	LED Scarab® Series Kim Lighting Accent Flood Lights (26 55 53 11-0218)			
Note: Spot or narrow style accent flood lights.				
26 55 53 11-0220	EA 6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	853.97		45.45
	For >50 To 100, Deduct	-23.62		
	For >100 To 250, Deduct	-44.97		
	For >250 To 500, Deduct	-85.40		
	For >500, Deduct	-125.82		
26 55 53 11-0221	Flood Lights (CREE® BetaLED®) (26 55 53 11)			
26 55 53 11-0222	Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) (26 55 53 11-0221)			
Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.				
26 55 53 11-0223	EA 40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,276.52		129.87
	For >50 To 100, Deduct	-38.41		
	For >100 To 250, Deduct	-70.32		
	For >250 To 500, Deduct	-127.65		
	For >500, Deduct	-184.98		
26 55 53 11-0224	EA 60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,398.57		137.08
	For >50 To 100, Deduct	-41.82		
	For >100 To 250, Deduct	-76.78		
	For >250 To 500, Deduct	-139.86		
	For >500, Deduct	-202.93		
26 55 53 11-0225	Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) (26 55 53 11-0221)			
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.				
26 55 53 11-0226	EA 20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,108.09		122.65
	For 480 Volt, Add	111.02		
	For >50 To 100, Deduct	-33.83		
	For >100 To 250, Deduct	-61.54		
	For >250 To 500, Deduct	-110.81		
	For >500, Deduct	-160.08		
26 55 53 11-0227	EA 40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,395.27		129.87
	For 480 Volt, Add	111.02		
	For >50 To 100, Deduct	-41.38		
	For >100 To 250, Deduct	-76.26		
	For >250 To 500, Deduct	-139.53		
	For >500, Deduct	-202.80		
26 55 53 11-0228	EA 60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,682.45		137.08
	For 480 Volt, Add	111.02		
	For >50 To 100, Deduct	-48.92		
	For >100 To 250, Deduct	-90.98		
	For >250 To 500, Deduct	-168.25		
	For >500, Deduct	-245.51		
26 55 53 11-0229	EA 80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,079.10		144.29
	For 480 Volt, Add	111.02		
	For >50 To 100, Deduct	-59.19		
	For >100 To 250, Deduct	-111.17		
	For >250 To 500, Deduct	-207.91		
	For >500, Deduct	-304.65		
26 55 53 11-0230	EA 100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,366.29		151.51
	For 480 Volt, Add	111.02		
	For >50 To 100, Deduct	-66.73		
	For >100 To 250, Deduct	-125.89		
	For >250 To 500, Deduct	-236.63		
	For >500, Deduct	-347.37		

26 Electrical**26 50 Lighting****26 55 Special Purpose Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,653.46	158.72
		For 480 Volt, Add	111.02	
		For >50 To 100, Deduct	-74.27	
		For >100 To 250, Deduct	-140.61	
		For >250 To 500, Deduct	-265.35	
		For >500, Deduct	-390.08	
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,027.86	165.94
		For 480 Volt, Add	111.02	
		For >50 To 100, Deduct	-83.99	
		For >100 To 250, Deduct	-159.69	
		For >250 To 500, Deduct	-302.79	
		For >500, Deduct	-445.88	
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,315.04	173.15
		For 480 Volt, Add	111.02	
		For >50 To 100, Deduct	-91.53	
		For >100 To 250, Deduct	-174.41	
		For >250 To 500, Deduct	-331.50	
		For >500, Deduct	-488.60	

26 55 53 11-0234 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO)

(26 55 53 11-0221)

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	2,543.99	158.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
		For Bird Spikes, Add	50.34	
		For 5,000K Color Temperature, Add	54.71	
		For Fuse, Add	65.65	
		For 0 To 10 Volt Dimming, Add	65.65	
		For 480 Volt, Add	98.48	
		For Multi-Level, Add	142.23	
		For 1,000mA Driver, Add	183.82	
		For >50 To 100, Deduct	-71.54	
		For >100 To 250, Deduct	-135.14	
		For >250 To 500, Deduct	-254.40	
		For >500, Deduct	-373.66	
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	4,316.49	194.80
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
		For 5,000K Color Temperature, Add	54.71	
		For Fuse, Add	65.65	
		For 0 To 10 Volt Dimming, Add	65.65	
		For Bird Spikes, Add	74.64	
		For Multi-Level, Add	142.23	
		For 1,000mA Driver, Add	183.82	
		For 480 Volt, Add	196.94	
		For >50 To 100, Deduct	-117.65	
		For >100 To 250, Deduct	-225.56	
		For >250 To 500, Deduct	-431.65	
		For >500, Deduct	-637.73	

26 55 53 11-0237 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™)

(26 55 53 11-0221)

Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,489.31	158.72
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
		For Front Facing Optics, Back Light Shield, Add	38.84	
		For Rotated Optics, Back Light Shield, Add	38.84	
		For Field Adjustable Output, Add	32.83	
		For Fuse, Add	65.65	
		For 0 To 10 Volt Dimming, Add	65.65	
		For Multi-Level, Add	142.23	
		For >50 To 100, Deduct	-45.17	
		For >100 To 250, Deduct	-82.40	
		For >250 To 500, Deduct	-148.93	
		For >500, Deduct	-215.46	
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,592.71	158.72
		Note: Type III, IV or V medium optics only.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
		For Front Facing Optics, Back Light Shield, Add	38.84	
		For Rotated Optics, Back Light Shield, Add	38.84	
		For Field Adjustable Output, Add	32.83	
		For Fuse, Add	65.65	
		For 0 To 10 Volt Dimming, Add	65.65	
		For Type II Medium Or Type V Short Optics, Add	364.65	
		For Multi-Level, Add	142.23	
		For >50 To 100, Deduct	-47.75	
		For >100 To 250, Deduct	-87.57	
		For >250 To 500, Deduct	-159.27	
		For >500, Deduct	-230.97	

		Electrical	26	26
		Lighting	26 50	
		Special Purpose Lighting	26 55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0240	EA		223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Field Adjustable Output, Add For Front Facing Optics, Back Light Shield, Add For Rotated Optics, Back Light Shield, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	2,043.99 21.88 32.83 47.05 47.05 65.65 65.65 142.23 -60.84 -111.94 -204.40 -296.86	194.80
26 55 53 11-0241			Flood Lights (PlanLED) (26 55 53 11)		
26 55 53 11-0242			Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 55 53 11-0241)		
26 55 53 11-0243	EA		6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	686.18 -23.65 -40.80 -68.62 -96.43	129.87
26 55 53 11-0244	EA		9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	820.90 -27.38 -47.90 -82.09 -116.28	137.08
26 55 53 11-0245	EA		12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	947.52 -31.08 -54.77 -94.75 -134.73	147.90
26 55 53 11-0246			Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 55 53 11-0241)		
26 55 53 11-0247	EA		21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200) For 0 To 10 Volt Dimming, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	1,922.15 94.53 -62.48 -110.54 -192.22 -273.89	288.59
26 55 53 11-0248	EA		42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400) For 0 To 10 Volt Dimming, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	2,982.81 94.53 -89.00 -163.57 -298.28 -432.99	288.59
26 55 53 11-0249	EA		84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800) For 0 To 10 Volt Dimming, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	5,265.98 94.53 -146.08 -277.73 -526.60 -775.47	288.59
26 55 53 11-0250			Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) (26 55 53 11-0241)		
26 55 53 11-0251	EA		26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200) For 0 To 10 Volt Dimming, Add For 480 Volt, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	1,702.63 94.53 142.15 -51.94 -94.51 -170.26 -246.02	187.59
26 55 53 11-0252	EA		39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300) For 0 To 10 Volt Dimming, Add For 480 Volt, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	2,180.69 94.53 114.92 -64.26 -118.77 -218.07 -317.36	194.80
26 55 53 11-0253	EA		52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400) For 0 To 10 Volt Dimming, Add For 480 Volt, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	2,783.42 94.53 93.24 -79.69 -149.27 -278.34 -407.41	202.01
26 55 53 12			Security Hazardous Location Flood Lights (26 55 53)		
Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.					
26 55 53 12-0001			Lithonia Hazardous Location Flood Lights (26 55 53 12)		

26	26	Electrical
	26 50	Lighting
	26 55	Special Purpose Lighting



MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
26 55 53 12-0002	HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights (26 55 53 12-0001) Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.				
26 55 53 12-0003	High Pressure Sodium HFR Series Hazardous Location Flood Lights (26 55 53 12-0002)				
26 55 53 12-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,074.05	143.92	
26 55 53 12-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,147.84	143.92	
26 55 53 12-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,076.43	143.92	
26 55 53 12-0007	Metal Halide HFR Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0002)				
26 55 53 12-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,139.96	143.92	
26 55 53 12-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,105.00	143.92	
26 55 53 12-0010	HFM (Medium Base) Series Hazardous Location Flood Lights (26 55 53 12-0001) Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.				
26 55 53 12-0011	High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0010)				
26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,023.33	143.92	
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,067.37	143.92	
26 55 53 12-0014	Metal Halide HFM Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0010)				
26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	904.32	143.92	
26 55 53 12-0016	HFA (Large) Series Hazardous Location Flood Lights (26 55 53 12-0001) Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.				
26 55 53 12-0017	High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0016)				
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,447.55	179.91	
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,468.97	179.91	
26 55 53 12-0020	Metal Halide HFA Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0016)				
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,440.41	179.91	
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,468.97	179.91	
26 55 53 12-0023	HFL (Medium) Series Hazardous Location Flood Lights (26 55 53 12-0001) Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.				
26 55 53 12-0024	High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0023)				
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,073.58	161.91	
26 55 53 12-0026	Metal Halide HFL Series Lithonia Hazardous Location Flood Lights (26 55 53 12-0023)				
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,156.89	161.91	
26 55 53 12-0028	Accessories For Lithonia Hazardous Location Flood Lights (26 55 53 12-0001) See CSI section 26 55 53 11-0099 for accessories.				
26 55 53 13	Security High Performance Flood Lights (26 55 53) Note: For airport aprons and parking areas.				
26 55 53 13-0001	Lithonia High Performance Flood Lights (26 55 53 13)				
26 55 53 13-0002	170S Series Lithonia High Performance Flood Lights (26 55 53 13-0001) Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.				
26 55 53 13-0003	High Pressure Sodium 170S Series Lithonia High Performance Flood Lights (26 55 53 13-0002)				
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,500.15	215.89	
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,695.33	215.89	
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,704.85	215.89	
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	3,002.38	215.89	
26 55 53 13-0008	Metal Halide 170S Series Lithonia High Performance Flood Lights (26 55 53 13-0002)				
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,878.61	215.89	
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,746.62	215.89	
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,621.54	215.89	
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,745.31	215.89	

			Electrical	26	26
			Lighting	26 50	
			Special Purpose Lighting	26 55	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 55 53 13-0013 Accessories For Lithonia High Performance Flood Lights (26 55 53 13-0002)
See CSI section 26 55 53 11-0099 for accessories.

26 55 61 Theatrical Lighting (26 55)

26 55 61 00-0001 Stage Lighting (26 55 61)

26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses 672.12	157.55
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.			
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses 672.12	157.55
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.			
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses 672.12	157.55
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.			
26 55 61 00-0005	EA	14" Scoop Floodlight Altman #SC14 693.54	157.55
26 55 61 00-0006	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak1 548.65	157.55
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.			
26 55 61 00-0007	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak 894.33	157.55
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.			
26 55 61 00-0008	EA	Follow Spotlight With Steel Chassis And Lightweight 2,334.20	157.55
Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.			
26 55 61 00-0009	EA	Follow Spotlight With Steel Chassis And Lightweight 2,810.95	157.55
Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.			
26 55 61 00-0010	EA	300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel 500.67	157.55
Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.			
26 55 61 00-0011	EA	6' Length, Multi-Lamp Compartmented Striplighting Luminaire 1,779.61	157.55
Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.			
26 55 61 00-0012	EA	1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S) 3,028.98	157.55

26 55 70 Healthcare Lighting (26 55)

26 55 70 00-0001 Surgical Lighting Fixtures (26 55 70)

26 55 70 00-0002	EA	Surgical Lighting Fixture, 120 Volt, Max Va 126, 100 Volt Halogen 6,115.03	
26 55 70 00-0003	EA	Install Owner Furnished Surgical Lights 760.48	

26 55 70 00-0004 Patient Care Fluorescent Fixtures (26 55 70)

26 55 70 00-0005 Ambient And Exam Combination, Patient Care Fluorescent Fixtures

(Cooper Fail-Safe) (26 55 70 00-0004)			
Note: Includes ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.			
26 55 70 00-0006	EA	2' x 2', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE) 1,511.22	59.64
26 55 70 00-0007	EA	2' x 4', 3 T8 Ambient Lamps, 2 T8 Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MAE) 1,668.18	59.64
26 55 70 00-0008	EA	2' x 4', 2 B1ax Ambient Lamps, 4 B1ax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR2) 1,356.69	59.64

26 55 70 00-0009 Reading, Ambient And Exam Combination, Patient Care Fluorescent

Fixtures (Cooper Fail-Safe) (26 55 70 00-0004)			
Note: Includes reading, ambient and exam lights, 20 gauge steel housing with powder coated finish, acrylic diffuser and electronic ballast.			
26 55 70 00-0010	EA	2' x 4', 1 B1ax Reading Lamp, 2 B1ax Ambient Lamps, 3 B1ax Exam Lamps, Multi-Function Patient Care Fluorescent Troffer (Cooper MPR) 1,499.38	59.64

26 55 70 00-0011 Multi-Function Patient Care Fluorescent Fixtures (Day-Brite MPC) (26 55 70 00-0004)

Note: Includes reading, ambient, exam and nurses light, steel housing with baked enamel finish, acrylic diffuser and electronic ballasts.			
26 55 70 00-0012	EA	2' x 4', 6 40W T5 Lamps, Multi-Function Patient Care Fluorescent Fixture (Day-Brite MPC) 2,275.09	59.64

26 55 70 00-0013 Exam And Surgical Lighting Fixtures (26 55 70)

26 55 70 00-0014	EA	Dual Intensity, K-arm, Ceiling Mounted, Exam Light (Burton PHL-NXC) 1,055.40	64.82
26 55 70 00-0015	EA	Ceiling Mounted, Spot Exam Light (Sunnex SNX-HM2017-44EXT) 1,843.85	64.82
26 55 70 00-0016	EA	Ceiling Mounted, LED Exam Light (Bovie BOV-XLDP-SC) 4,086.90	64.82
26 55 70 00-0017	EA	Two LED Series, Ceiling Mounted, Surgical Light With Monitor And Monitor Arm (Bovie BOV-XLDS-S2MA) 19,902.07	86.48
26 55 70 00-0018	EA	Two LED Series, Triple Ceiling Mounted, Surgical Light With Monitor And Monitor Arm (Bovie BOV-XLDS-S23MA) 28,753.15	129.66
26 55 70 00-0019	EA	Double Ceiling Mounted, Dual Spot Exam Lights (Burton PHL-CS316DC) 6,650.39	86.48
26 55 70 00-0020	EA	Double Ceiling Mounted, Dual Y Shape Lamp Heads (Burton PHL-A50DC) 7,144.48	86.48
26 55 70 00-0021	EA	Double Ceiling Mounted, Halogen Bulbs (Burton PHL-OP216DC) 6,031.45	86.48
26 55 70 00-0022	EA	360 Degree Rotation, 120 Volt, Double Ceiling Mounted, Surgical Light (Burton PHL-A100DC) 8,430.32	129.66
26 55 70 00-0023	EA	Double Ceiling Mounted, Spot Examination Lights (Burton PHL-CS316DT) 9,276.60	86.48
26 55 70 00-0024	EA	Double Ceiling Mounted, Y Shaped Examination Light (Burton PHL-OP216DT) 8,750.50	86.48
26 55 70 00-0025	EA	Double Ceiling Mounted, Examination/Spot Combination Light (Burton PHL-OC516CC) 6,348.14	103.72

26 Electrical
26 50 Lighting
26 55 Special Purpose Lighting

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 55 70 00-0026	EA	Double Ceiling Mounted, LED Procedure Light (Bovie BOV-XLDP-DC).....	8,426.96	86.48
26 55 70 00-0027	EA	Double Ceiling Mounted, LED Examination Light (Burton PHL-ALEDDC).....	7,690.80	129.66
26 55 70 00-0028	EA	Two Monitor Arm, Ceiling Mounted, Exam Light (Bovie BOV-XLDS-MA).....	8,797.92	86.48
26 55 70 00-0029	EA	360 Degree Rotation, 120 Volt, Single Ceiling Mounted Surgical Light (Burton PHL-A100SC).....	4,716.44	74.03
26 55 70 00-0030	EA	360 Degree Rotation, Autoclavable Handle, Ceiling Mounted Surgical Light (Burton PHL-APXSC8).....	13,955.64	74.03
26 55 70 00-0031	EA	Ceiling Mounted Surgical Light (Burton PHL-A200SC).....	6,915.80	74.03
26 55 70 00-0032	EA	MRI Compatible, Ceiling Mounted Surgical Light (Sunnex SNX-CS2050C-MRI).....	6,870.68	74.03
26 55 70 00-0033	EA	Ceiling Mounted LED Surgical Light (Bovie BOV-XLD-SC).....	5,294.88	74.03
26 55 70 00-0034	EA	Ceiling Mounted LED Surgical Light With Battery Pack (Bovie BOV-XLD-SCB).....	7,894.87	74.03
26 55 70 00-0035	EA	Ceiling Mounted Two LED Series Surgical Light (Bovie BOV-XLDS-S2).....	12,246.00	74.03
26 55 70 00-0036	EA	Dual Ceiling Mounted LED Series Surgical Light And HD Video Camera Arm (Bovie BOV-XLDS-S2VC).....	22,296.71	74.03
26 55 70 00-0037	EA	Medical Illumination, Single Trolley Shuttle Track, Ceiling Mounted Surgical Light (Medical Illumination MLI-64011).....	3,152.42	74.03
26 55 70 00-0038	EA	Double Ceiling Mounted, Surgical Light (Burton PHL-A200DC).....	12,416.05	129.66
26 55 70 00-0039	EA	Double Ceiling Mounted, Surgical Light (Burton PHL-APXDC8).....	27,187.25	129.66
26 55 70 00-0040	EA	Double Ceiling Mounted, LED Surgical Light (Bovie BOV-XLD-DC).....	10,109.98	129.66
26 55 70 00-0041	EA	Double Ceiling Mounted, Autoclavable Handle, LED Surgical Light (Sunnex SNX-CSLED-D).....	7,320.11	129.66
26 55 70 00-0042	EA	Triple Ceiling Mounted, LED Series Surgical Light (Bovie BOV-XLDS-S23).....	31,961.09	148.20
26 55 70 00-0043	EA	Triple Ceiling Mounted, LED Series Surgical Light And Monitor Arm (Bovie BOV-XLDS-S23MA).....	28,827.19	148.20

26 56 Exterior Lighting (26 50)

26 56 13 Lighting Poles and Standards (26 56)

26 56 13 00-0001	Poles And Standards (26 56 13)			
	See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.			
26 56 13 00-0002	Roadway Light Poles (26 56 13 00-0001)			
	Note: Excludes lighting fixtures.			
26 56 13 00-0003	Steel Roadway Light Poles (26 56 13 00-0002)			
	Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).			
26 56 13 00-0004	Round Tapered, Steel Roadway Light Poles (26 56 13 00-0003)			
26 56 13 00-0005	Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0004)			
26 56 13 00-0006	Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0005)			
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,757.00	431.76
		For Galvanized Finish, Add.....	56.80	
		For >10 To 20, Deduct.....	-68.93	
		For >20 To 40, Deduct.....	-137.85	
		For >40, Deduct.....	-228.36	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,761.68	431.76
		For Galvanized Finish, Add.....	56.94	
		For >10 To 20, Deduct.....	-69.04	
		For >20 To 40, Deduct.....	-138.08	
		For >40, Deduct.....	-228.71	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,077.25	575.69
		For Galvanized Finish, Add.....	57.78	
		For >10 To 20, Deduct.....	-76.93	
		For >20 To 40, Deduct.....	-153.86	
		For >40, Deduct.....	-259.58	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,133.52	575.69
		For Galvanized Finish, Add.....	59.46	
		For >10 To 20, Deduct.....	-78.34	
		For >20 To 40, Deduct.....	-156.68	
		For >40, Deduct.....	-263.80	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,189.80	575.69
		For Galvanized Finish, Add.....	61.15	
		For >10 To 20, Deduct.....	-79.75	
		For >20 To 40, Deduct.....	-159.49	
		For >40, Deduct.....	-268.02	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,345.57	647.65
		For Galvanized Finish, Add.....	61.51	
		For >10 To 20, Deduct.....	-83.64	
		For >20 To 40, Deduct.....	-167.28	
		For >40, Deduct.....	-283.30	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,372.25	647.65
		For Galvanized Finish, Add.....	62.31	
		For >10 To 20, Deduct.....	-84.31	
		For >20 To 40, Deduct.....	-168.61	
		For >40, Deduct.....	-285.30	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,377.33	647.65
		For Galvanized Finish, Add.....	62.46	
		For >10 To 20, Deduct.....	-84.43	
		For >20 To 40, Deduct.....	-168.87	
		For >40, Deduct.....	-285.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0015	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,544.02	683.63
			For Galvanized Finish, Add.....	65.30	
			For >10 To 20, Deduct.....	-88.60	
			For >20 To 40, Deduct.....	-177.20	
			For >40, Deduct.....	-299.98	
26 56 13 00-0016	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,564.18	683.63
			For Galvanized Finish, Add.....	65.91	
			For >10 To 20, Deduct.....	-89.10	
			For >20 To 40, Deduct.....	-178.21	
			For >40, Deduct.....	-301.50	
26 56 13 00-0017	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,586.19	683.63
			For Galvanized Finish, Add.....	66.57	
			For >10 To 20, Deduct.....	-89.65	
			For >20 To 40, Deduct.....	-179.31	
			For >40, Deduct.....	-303.15	
26 56 13 00-0018	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,052.38	719.61
			For Galvanized Finish, Add.....	78.39	
			For >10 To 20, Deduct.....	-101.31	
			For >20 To 40, Deduct.....	-202.62	
			For >40, Deduct.....	-339.91	
26 56 13 00-0019	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,059.56	719.61
			For Galvanized Finish, Add.....	78.61	
			For >10 To 20, Deduct.....	-101.49	
			For >20 To 40, Deduct.....	-202.98	
			For >40, Deduct.....	-340.45	
26 56 13 00-0020	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,066.65	719.61
			For Galvanized Finish, Add.....	78.82	
			For >10 To 20, Deduct.....	-101.67	
			For >20 To 40, Deduct.....	-203.33	
			For >40, Deduct.....	-340.98	
26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms (26 56 13 00-0005)					
26 56 13 00-0022	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,411.64	503.73
			For Galvanized Finish, Add.....	72.13	
			For >10 To 20, Deduct.....	-85.29	
			For >20 To 40, Deduct.....	-170.58	
			For >40, Deduct.....	-281.06	
26 56 13 00-0023	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,477.69	521.72
			For Galvanized Finish, Add.....	73.03	
			For >10 To 20, Deduct.....	-86.94	
			For >20 To 40, Deduct.....	-173.88	
			For >40, Deduct.....	-286.91	
26 56 13 00-0024	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,536.33	539.71
			For Galvanized Finish, Add.....	73.71	
			For >10 To 20, Deduct.....	-88.41	
			For >20 To 40, Deduct.....	-176.82	
			For >40, Deduct.....	-292.21	
26 56 13 00-0025	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,504.55	647.65
			For Galvanized Finish, Add.....	66.28	
			For >10 To 20, Deduct.....	-87.61	
			For >20 To 40, Deduct.....	-175.23	
			For >40, Deduct.....	-295.22	
26 56 13 00-0026	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,552.46	665.64
			For Galvanized Finish, Add.....	66.64	
			For >10 To 20, Deduct.....	-88.81	
			For >20 To 40, Deduct.....	-177.62	
			For >40, Deduct.....	-299.72	
26 56 13 00-0027	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,593.28	683.63
			For Galvanized Finish, Add.....	66.78	
			For >10 To 20, Deduct.....	-89.83	
			For >20 To 40, Deduct.....	-179.66	
			For >40, Deduct.....	-303.68	
26 56 13 00-0028	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,795.85	719.61
			For Galvanized Finish, Add.....	70.70	
			For >10 To 20, Deduct.....	-94.90	
			For >20 To 40, Deduct.....	-189.79	
			For >40, Deduct.....	-320.67	
26 56 13 00-0029	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,839.08	737.60
			For Galvanized Finish, Add.....	70.92	
			For >10 To 20, Deduct.....	-95.98	
			For >20 To 40, Deduct.....	-191.95	
			For >40, Deduct.....	-324.81	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms,			
		Anchor Base	3,879.66		755.59
		For Galvanized Finish, Add	71.05		
		For >10 To 20, Deduct	-96.99		
		For >20 To 40, Deduct	-193.98		
		For >40, Deduct	-328.75		
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms,			
		Anchor Base	4,022.20		755.59
		For Galvanized Finish, Add	75.33		
		For >10 To 20, Deduct	-100.56		
		For >20 To 40, Deduct	-201.11		
		For >40, Deduct	-339.44		
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms,			
		Anchor Base	4,089.38		773.58
		For Galvanized Finish, Add	76.27		
		For >10 To 20, Deduct	-102.23		
		For >20 To 40, Deduct	-204.47		
		For >40, Deduct	-345.38		
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms,			
		Anchor Base	4,154.94		791.57
		For Galvanized Finish, Add	77.15		
		For >10 To 20, Deduct	-103.87		
		For >20 To 40, Deduct	-207.75		
		For >40, Deduct	-351.20		
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms,			
		Anchor Base	4,502.82		791.57
		For Galvanized Finish, Add	87.59		
		For >10 To 20, Deduct	-112.57		
		For >20 To 40, Deduct	-225.14		
		For >40, Deduct	-377.29		
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms,			
		Anchor Base	4,543.48		809.56
		For Galvanized Finish, Add	87.73		
		For >10 To 20, Deduct	-113.59		
		For >20 To 40, Deduct	-227.17		
		For >40, Deduct	-381.24		
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms,			
		Anchor Base	4,584.30		827.56
		For Galvanized Finish, Add	87.88		
		For >10 To 20, Deduct	-114.61		
		For >20 To 40, Deduct	-229.22		
		For >40, Deduct	-385.20		
26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms					
(26 56 13 00-0005)					
26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms,			
		Anchor Base	4,090.44		719.61
		For Galvanized Finish, Add	79.54		
		For >10 To 20, Deduct	-102.26		
		For >20 To 40, Deduct	-204.52		
		For >40, Deduct	-342.76		
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms,			
		Anchor Base	4,167.15		755.59
		For Galvanized Finish, Add	79.68		
		For >10 To 20, Deduct	-104.18		
		For >20 To 40, Deduct	-208.36		
		For >40, Deduct	-350.32		
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms,			
		Anchor Base	4,250.96		791.57
		For Galvanized Finish, Add	80.03		
		For >10 To 20, Deduct	-106.27		
		For >20 To 40, Deduct	-212.55		
		For >40, Deduct	-358.40		
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms,			
		Anchor Base	4,353.19		791.57
		For Galvanized Finish, Add	83.10		
		For >10 To 20, Deduct	-108.83		
		For >20 To 40, Deduct	-217.66		
		For >40, Deduct	-366.07		
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms,			
		Anchor Base	4,432.16		827.56
		For Galvanized Finish, Add	83.31		
		For >10 To 20, Deduct	-110.80		
		For >20 To 40, Deduct	-221.61		
		For >40, Deduct	-373.79		
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms,			
		Anchor Base	4,508.88		863.54
		For Galvanized Finish, Add	83.45		
		For >10 To 20, Deduct	-112.72		
		For >20 To 40, Deduct	-225.44		
		For >40, Deduct	-381.34		
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms,			
		Anchor Base	4,619.77		827.56
		For Galvanized Finish, Add	88.94		
		For >10 To 20, Deduct	-115.49		
		For >20 To 40, Deduct	-230.99		
		For >40, Deduct	-387.86		

		Electrical	26
		Lighting	26 50
		Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0045	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,696.49	863.54
			For Galvanized Finish, Add	89.08	
			For >10 To 20, Deduct	-117.41	
			For >20 To 40, Deduct	-234.82	
			For >40, Deduct	-395.41	
26 56 13 00-0046	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,773.21	899.51
			For Galvanized Finish, Add	89.23	
			For >10 To 20, Deduct	-119.33	
			For >20 To 40, Deduct	-238.66	
			For >40, Deduct	-402.97	
26 56 13 00-0047	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,953.26	863.54
			For Galvanized Finish, Add	96.79	
			For >10 To 20, Deduct	-123.83	
			For >20 To 40, Deduct	-247.66	
			For >40, Deduct	-414.67	
26 56 13 00-0048	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,029.75	899.51
			For Galvanized Finish, Add	96.92	
			For >10 To 20, Deduct	-125.74	
			For >20 To 40, Deduct	-251.49	
			For >40, Deduct	-422.21	
26 56 13 00-0049	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	5,111.22	935.49
			For Galvanized Finish, Add	97.21	
			For >10 To 20, Deduct	-127.78	
			For >20 To 40, Deduct	-255.56	
			For >40, Deduct	-430.12	
26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms					
			(26 56 13 00-0005)		
26 56 13 00-0051	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,543.21	791.57
			For Galvanized Finish, Add	88.80	
			For >10 To 20, Deduct	-113.58	
			For >20 To 40, Deduct	-227.16	
			For >40, Deduct	-380.32	
26 56 13 00-0052	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,658.25	845.54
			For Galvanized Finish, Add	89.02	
			For >10 To 20, Deduct	-116.46	
			For >20 To 40, Deduct	-232.91	
			For >40, Deduct	-391.65	
26 56 13 00-0053	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	4,770.87	899.51
			For Galvanized Finish, Add	89.16	
			For >10 To 20, Deduct	-119.27	
			For >20 To 40, Deduct	-238.54	
			For >40, Deduct	-402.79	
26 56 13 00-0054	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,835.07	863.54
			For Galvanized Finish, Add	93.24	
			For >10 To 20, Deduct	-120.88	
			For >20 To 40, Deduct	-241.75	
			For >40, Deduct	-405.81	
26 56 13 00-0055	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,948.02	917.50
			For Galvanized Finish, Add	93.39	
			For >10 To 20, Deduct	-123.70	
			For >20 To 40, Deduct	-247.40	
			For >40, Deduct	-416.98	
26 56 13 00-0056	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,033.55	971.47
			For Galvanized Finish, Add	92.72	
			For >10 To 20, Deduct	-125.84	
			For >20 To 40, Deduct	-251.68	
			For >40, Deduct	-426.09	
26 56 13 00-0057	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,177.04	899.51
			For Galvanized Finish, Add	101.34	
			For >10 To 20, Deduct	-129.43	
			For >20 To 40, Deduct	-258.85	
			For >40, Deduct	-433.25	
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,322.07	953.48
			For Galvanized Finish, Add	102.45	
			For >10 To 20, Deduct	-133.05	
			For >20 To 40, Deduct	-266.10	
			For >40, Deduct	-446.83	
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,404.93	1,007.45
			For Galvanized Finish, Add	101.70	
			For >10 To 20, Deduct	-135.12	
			For >20 To 40, Deduct	-270.25	
			For >40, Deduct	-455.74	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms,			
		Anchor Base	5,403.47	935.49	
		For Galvanized Finish, Add	105.97		
		For >10 To 20, Deduct	-135.09		
		For >20 To 40, Deduct	-270.17		
		For >40, Deduct	-452.04		
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms,			
		Anchor Base	5,516.09	989.47	
		For Galvanized Finish, Add	106.11		
		For >10 To 20, Deduct	-137.90		
		For >20 To 40, Deduct	-275.80		
		For >40, Deduct	-463.18		
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms,			
		Anchor Base	5,631.11	1,043.43	
		For Galvanized Finish, Add	106.33		
		For >10 To 20, Deduct	-140.78		
		For >20 To 40, Deduct	-281.56		
		For >40, Deduct	-474.50		
26 56 13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm (26 56 13 00-0004)			
26 56 13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm (26 56 13 00-0063)			
26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm,			
		Anchor Base	3,251.39	575.69	
		For Galvanized Finish, Add	63.00		
		For >10 To 20, Deduct	-81.28		
		For >20 To 40, Deduct	-162.57		
		For >40, Deduct	-272.64		
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm,			
		Anchor Base	3,676.76	647.65	
		For Galvanized Finish, Add	71.44		
		For >10 To 20, Deduct	-91.92		
		For >20 To 40, Deduct	-183.84		
		For >40, Deduct	-308.14		
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm,			
		Anchor Base	3,787.90	683.63	
		For Galvanized Finish, Add	72.62		
		For >10 To 20, Deduct	-94.70		
		For >20 To 40, Deduct	-189.40		
		For >40, Deduct	-318.27		
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm,			
		Anchor Base	4,460.97	719.61	
		For Galvanized Finish, Add	90.65		
		For >10 To 20, Deduct	-111.52		
		For >20 To 40, Deduct	-223.05		
		For >40, Deduct	-370.55		
26 56 13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms (26 56 13 00-0004)			
26 56 13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0069)			
26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm,			
		Anchor Base	4,092.02	575.69	
		For Galvanized Finish, Add	88.22		
		For >10 To 20, Deduct	-102.30		
		For >20 To 40, Deduct	-204.60		
		For >40, Deduct	-335.69		
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm,			
		Anchor Base	4,128.06	575.69	
		For Galvanized Finish, Add	89.30		
		For >10 To 20, Deduct	-103.20		
		For >20 To 40, Deduct	-206.40		
		For >40, Deduct	-338.39		
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm,			
		Anchor Base	4,144.51	575.69	
		For Galvanized Finish, Add	89.79		
		For >10 To 20, Deduct	-103.61		
		For >20 To 40, Deduct	-207.23		
		For >40, Deduct	-339.62		
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm,			
		Anchor Base	4,271.98	647.65	
		For Galvanized Finish, Add	89.30		
		For >10 To 20, Deduct	-106.80		
		For >20 To 40, Deduct	-213.60		
		For >40, Deduct	-352.78		
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm,			
		Anchor Base	4,278.27	647.65	
		For Galvanized Finish, Add	89.49		
		For >10 To 20, Deduct	-106.96		
		For >20 To 40, Deduct	-213.91		
		For >40, Deduct	-353.25		
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm,			
		Anchor Base	4,343.25	647.65	
		For Galvanized Finish, Add	91.44		
		For >10 To 20, Deduct	-108.58		
		For >20 To 40, Deduct	-217.16		
		For >40, Deduct	-358.13		

		Electrical	26
		Lighting	26 50
		Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0077	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,365.31	683.63
			For Galvanized Finish, Add.....	89.94	
			For >10 To 20, Deduct.....	-109.13	
			For >20 To 40, Deduct.....	-218.27	
			For >40, Deduct.....	-361.58	
26 56 13 00-0078	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,403.36	683.63
			For Galvanized Finish, Add.....	91.08	
			For >10 To 20, Deduct.....	-110.08	
			For >20 To 40, Deduct.....	-220.17	
			For >40, Deduct.....	-364.43	
26 56 13 00-0079	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,602.90	683.63
			For Galvanized Finish, Add.....	97.07	
			For >10 To 20, Deduct.....	-115.07	
			For >20 To 40, Deduct.....	-230.15	
			For >40, Deduct.....	-379.40	
26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0080)					
26 56 13 00-0081	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,338.61	719.61
			For Galvanized Finish, Add.....	116.98	
			For >10 To 20, Deduct.....	-133.47	
			For >20 To 40, Deduct.....	-266.93	
			For >40, Deduct.....	-436.38	
26 56 13 00-0082	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,445.07	755.59
			For Galvanized Finish, Add.....	118.02	
			For >10 To 20, Deduct.....	-136.13	
			For >20 To 40, Deduct.....	-272.25	
			For >40, Deduct.....	-446.16	
26 56 13 00-0083	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,652.47	791.57
			For Galvanized Finish, Add.....	122.08	
			For >10 To 20, Deduct.....	-141.31	
			For >20 To 40, Deduct.....	-282.62	
			For >40, Deduct.....	-463.51	
26 56 13 00-0084	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,462.53	791.57
			For Galvanized Finish, Add.....	116.38	
			For >10 To 20, Deduct.....	-136.56	
			For >20 To 40, Deduct.....	-273.13	
			For >40, Deduct.....	-449.27	
26 56 13 00-0085	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,712.74	827.56
			For Galvanized Finish, Add.....	121.73	
			For >10 To 20, Deduct.....	-142.82	
			For >20 To 40, Deduct.....	-285.64	
			For >40, Deduct.....	-469.83	
26 56 13 00-0086	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,872.42	863.54
			For Galvanized Finish, Add.....	124.36	
			For >10 To 20, Deduct.....	-146.81	
			For >20 To 40, Deduct.....	-293.62	
			For >40, Deduct.....	-483.61	
26 56 13 00-0087	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,634.06	827.56
			For Galvanized Finish, Add.....	119.37	
			For >10 To 20, Deduct.....	-140.85	
			For >20 To 40, Deduct.....	-281.70	
			For >40, Deduct.....	-463.93	
26 56 13 00-0088	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,960.30	863.54
			For Galvanized Finish, Add.....	127.00	
			For >10 To 20, Deduct.....	-149.01	
			For >20 To 40, Deduct.....	-298.02	
			For >40, Deduct.....	-490.20	
26 56 13 00-0089	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,162.87	899.51
			For Galvanized Finish, Add.....	130.92	
			For >10 To 20, Deduct.....	-154.07	
			For >20 To 40, Deduct.....	-308.14	
			For >40, Deduct.....	-507.19	
26 56 13 00-0090 Aluminum Roadway Light Poles (26 56 13 00-0090)					
Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).					
26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles (26 56 13 00-0091)					
26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0092)					
26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0093)					

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,583.93		431.76
		For >10 To 20, Deduct	-64.60		
		For >20 To 40, Deduct	-129.20		
		For >40, Deduct	-215.38		
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,604.75		431.76
		For >10 To 20, Deduct	-65.12		
		For >20 To 40, Deduct	-130.24		
		For >40, Deduct	-216.94		
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,186.12		575.69
		For >10 To 20, Deduct	-79.65		
		For >20 To 40, Deduct	-159.31		
		For >40, Deduct	-267.74		
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,225.47		575.69
		For >10 To 20, Deduct	-80.64		
		For >20 To 40, Deduct	-161.27		
		For >40, Deduct	-270.69		
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,261.66		575.69
		For >10 To 20, Deduct	-81.54		
		For >20 To 40, Deduct	-163.08		
		For >40, Deduct	-273.41		
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,652.00		647.65
		For >10 To 20, Deduct	-91.30		
		For >20 To 40, Deduct	-182.60		
		For >40, Deduct	-306.28		
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,685.20		647.65
		For >10 To 20, Deduct	-92.13		
		For >20 To 40, Deduct	-184.26		
		For >40, Deduct	-308.77		
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,722.33		647.65
		For >10 To 20, Deduct	-93.06		
		For >20 To 40, Deduct	-186.12		
		For >40, Deduct	-311.56		
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,249.22		683.63
		For >10 To 20, Deduct	-106.23		
		For >20 To 40, Deduct	-212.46		
		For >40, Deduct	-352.87		
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,282.34		683.63
		For >10 To 20, Deduct	-107.06		
		For >20 To 40, Deduct	-214.12		
		For >40, Deduct	-355.36		
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,310.08		683.63
		For >10 To 20, Deduct	-107.75		
		For >20 To 40, Deduct	-215.50		
		For >40, Deduct	-357.44		
26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms (26 56 13 00-0092)					
26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,964.27		503.73
		For >10 To 20, Deduct	-74.11		
		For >20 To 40, Deduct	-148.21		
		For >40, Deduct	-247.51		
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,168.35		503.73
		For >10 To 20, Deduct	-79.21		
		For >20 To 40, Deduct	-158.42		
		For >40, Deduct	-262.81		
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,280.08		539.71
		For >10 To 20, Deduct	-82.00		
		For >20 To 40, Deduct	-164.00		
		For >40, Deduct	-272.99		
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,555.29		647.65
		For >10 To 20, Deduct	-88.88		
		For >20 To 40, Deduct	-177.76		
		For >40, Deduct	-299.03		
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,721.18		665.64
		For >10 To 20, Deduct	-93.03		
		For >20 To 40, Deduct	-186.06		
		For >40, Deduct	-312.37		
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,957.32		683.63
		For >10 To 20, Deduct	-98.93		
		For >20 To 40, Deduct	-197.87		
		For >40, Deduct	-330.98		

		Electrical	26
		Lighting	26 50
		Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0112	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,092.69	719.61
			For >10 To 20, Deduct	-102.32	
			For >20 To 40, Deduct	-204.63	
			For >40, Deduct	-342.93	
26 56 13 00-0113	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,249.19	737.60
			For >10 To 20, Deduct	-106.23	
			For >20 To 40, Deduct	-212.46	
			For >40, Deduct	-355.57	
26 56 13 00-0114	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,438.64	755.59
			For >10 To 20, Deduct	-110.97	
			For >20 To 40, Deduct	-221.93	
			For >40, Deduct	-370.68	
26 56 13 00-0115	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,619.16	755.59
			For >10 To 20, Deduct	-115.48	
			For >20 To 40, Deduct	-230.96	
			For >40, Deduct	-384.22	
26 56 13 00-0116	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,030.87	773.58
			For >10 To 20, Deduct	-125.77	
			For >20 To 40, Deduct	-251.54	
			For >40, Deduct	-415.99	
26 56 13 00-0117	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,508.55	791.57
			For >10 To 20, Deduct	-137.71	
			For >20 To 40, Deduct	-275.43	
			For >40, Deduct	-452.72	
26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms (26 56 13 00-0092)					
26 56 13 00-0119	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,436.72	575.69
			For >10 To 20, Deduct	-85.92	
			For >20 To 40, Deduct	-171.84	
			For >40, Deduct	-286.54	
26 56 13 00-0120	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	3,673.76	611.67
			For >10 To 20, Deduct	-91.84	
			For >20 To 40, Deduct	-183.69	
			For >40, Deduct	-306.12	
26 56 13 00-0121	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,186.67	719.61
			For >10 To 20, Deduct	-104.67	
			For >20 To 40, Deduct	-209.33	
			For >40, Deduct	-349.98	
26 56 13 00-0122	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,367.79	755.59
			For >10 To 20, Deduct	-109.19	
			For >20 To 40, Deduct	-218.39	
			For >40, Deduct	-365.36	
26 56 13 00-0123	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,574.36	791.57
			For >10 To 20, Deduct	-114.36	
			For >20 To 40, Deduct	-228.72	
			For >40, Deduct	-382.66	
26 56 13 00-0124	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,740.29	827.56
			For >10 To 20, Deduct	-118.51	
			For >20 To 40, Deduct	-237.01	
			For >40, Deduct	-396.90	
26 56 13 00-0125	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,935.75	827.56
			For >10 To 20, Deduct	-123.39	
			For >20 To 40, Deduct	-246.79	
			For >40, Deduct	-411.56	
26 56 13 00-0126	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,354.59	863.54
			For >10 To 20, Deduct	-133.86	
			For >20 To 40, Deduct	-267.73	
			For >40, Deduct	-444.77	
26 56 13 00-0127	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	11,793.47	899.51
			For >10 To 20, Deduct	-294.84	
			For >20 To 40, Deduct	-589.67	
			For >40, Deduct	-929.49	
26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms (26 56 13 00-0092)					
26 56 13 00-0129	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	3,580.13	647.65
			For >10 To 20, Deduct	-89.50	
			For >20 To 40, Deduct	-179.01	
			For >40, Deduct	-300.89	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	3,705.09	647.65
		For >10 To 20, Deduct	-92.63	
		For >20 To 40, Deduct	-185.25	
		For >40, Deduct	-310.26	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,582.12	791.57
		For >10 To 20, Deduct	-114.55	
		For >20 To 40, Deduct	-229.11	
		For >40, Deduct	-383.24	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,956.45	845.54
		For >10 To 20, Deduct	-123.91	
		For >20 To 40, Deduct	-247.82	
		For >40, Deduct	-414.01	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,162.63	863.54
		For >10 To 20, Deduct	-129.07	
		For >20 To 40, Deduct	-258.13	
		For >40, Deduct	-430.37	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,509.31	917.50
		For >10 To 20, Deduct	-137.73	
		For >20 To 40, Deduct	-275.47	
		For >40, Deduct	-459.07	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,432.70	899.51
		For >10 To 20, Deduct	-135.82	
		For >20 To 40, Deduct	-271.64	
		For >40, Deduct	-452.43	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,152.37	953.48
		For >10 To 20, Deduct	-153.81	
		For >20 To 40, Deduct	-307.62	
		For >40, Deduct	-509.10	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,791.04	1,007.45
		For >10 To 20, Deduct	-169.78	
		For >20 To 40, Deduct	-339.55	
		For >40, Deduct	-559.70	

26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms (26 56 13 00-0091)

26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0138)

26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,764.31	575.69
		For >10 To 20, Deduct	-94.11	
		For >20 To 40, Deduct	-188.22	
		For >40, Deduct	-311.11	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,792.14	575.69
		For >10 To 20, Deduct	-94.80	
		For >20 To 40, Deduct	-189.61	
		For >40, Deduct	-313.20	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,863.23	575.69
		For >10 To 20, Deduct	-96.58	
		For >20 To 40, Deduct	-193.16	
		For >40, Deduct	-318.53	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	3,969.93	575.69
		For >10 To 20, Deduct	-99.25	
		For >20 To 40, Deduct	-198.50	
		For >40, Deduct	-326.53	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,238.12	647.65
		For >10 To 20, Deduct	-105.95	
		For >20 To 40, Deduct	-211.91	
		For >40, Deduct	-350.24	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,300.86	647.65
		For >10 To 20, Deduct	-107.52	
		For >20 To 40, Deduct	-215.04	
		For >40, Deduct	-354.95	
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,367.77	647.65
		For >10 To 20, Deduct	-109.19	
		For >20 To 40, Deduct	-218.39	
		For >40, Deduct	-359.97	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,771.41	647.65
		For >10 To 20, Deduct	-119.29	
		For >20 To 40, Deduct	-238.57	
		For >40, Deduct	-390.24	

		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0148	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,597.13	683.63
			For >10 To 20, Deduct	-114.93	
			For >20 To 40, Deduct	-229.86	
			For >40, Deduct	-378.97	
26 56 13 00-0149	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,115.05	683.63
			For >10 To 20, Deduct	-127.88	
			For >20 To 40, Deduct	-255.75	
			For >40, Deduct	-417.81	
26 56 13 00-0150	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,165.50	683.63
			For >10 To 20, Deduct	-129.14	
			For >20 To 40, Deduct	-258.28	
			For >40, Deduct	-421.59	
26 56 13 00-0151	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,485.74	683.63
			For >10 To 20, Deduct	-137.14	
			For >20 To 40, Deduct	-274.29	
			For >40, Deduct	-445.61	
26 56 13 00-0152	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,777.82	683.63
			For >10 To 20, Deduct	-144.45	
			For >20 To 40, Deduct	-288.89	
			For >40, Deduct	-467.52	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0138)

26 56 13 00-0154	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,874.79	719.61
			For >10 To 20, Deduct	-121.87	
			For >20 To 40, Deduct	-243.74	
			For >40, Deduct	-401.59	
26 56 13 00-0155	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,017.85	755.59
			For >10 To 20, Deduct	-125.45	
			For >20 To 40, Deduct	-250.89	
			For >40, Deduct	-414.12	
26 56 13 00-0156	EA		25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,135.56	791.57
			For >10 To 20, Deduct	-128.39	
			For >20 To 40, Deduct	-256.78	
			For >40, Deduct	-424.75	
26 56 13 00-0157	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,257.44	791.57
			For >10 To 20, Deduct	-131.44	
			For >20 To 40, Deduct	-262.87	
			For >40, Deduct	-433.89	
26 56 13 00-0158	EA		30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,700.01	827.56
			For >10 To 20, Deduct	-142.50	
			For >20 To 40, Deduct	-285.00	
			For >40, Deduct	-468.88	
26 56 13 00-0159	EA		30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,503.19	863.54
			For >10 To 20, Deduct	-162.58	
			For >20 To 40, Deduct	-325.16	
			For >40, Deduct	-530.92	
26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,286.47	827.56
			For >10 To 20, Deduct	-157.16	
			For >20 To 40, Deduct	-314.32	
			For >40, Deduct	-512.86	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,418.01	863.54
			For >10 To 20, Deduct	-160.45	
			For >20 To 40, Deduct	-320.90	
			For >40, Deduct	-524.53	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,740.41	899.51
			For >10 To 20, Deduct	-193.51	
			For >20 To 40, Deduct	-387.02	
			For >40, Deduct	-625.51	

26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm (26 56 13 00-0091)

26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm (26 56 13 00-0163)

26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,070.27	431.76
			For >10 To 20, Deduct	-76.76	
			For >20 To 40, Deduct	-153.51	
			For >40, Deduct	-251.86	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,148.88	431.76
		For >10 To 20, Deduct	-78.72	
		For >20 To 40, Deduct	-157.44	
		For >40, Deduct	-257.75	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,227.66	431.76
		For >10 To 20, Deduct	-80.69	
		For >20 To 40, Deduct	-161.38	
		For >40, Deduct	-263.66	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,679.55	575.69
		For >10 To 20, Deduct	-91.99	
		For >20 To 40, Deduct	-183.98	
		For >40, Deduct	-304.75	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,739.47	575.69
		For >10 To 20, Deduct	-93.49	
		For >20 To 40, Deduct	-186.97	
		For >40, Deduct	-309.24	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,804.94	575.69
		For >10 To 20, Deduct	-95.12	
		For >20 To 40, Deduct	-190.25	
		For >40, Deduct	-314.16	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,151.91	647.65
		For >10 To 20, Deduct	-103.80	
		For >20 To 40, Deduct	-207.60	
		For >40, Deduct	-343.78	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,233.26	647.65
		For >10 To 20, Deduct	-105.83	
		For >20 To 40, Deduct	-211.66	
		For >40, Deduct	-349.88	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,245.46	647.65
		For >10 To 20, Deduct	-106.14	
		For >20 To 40, Deduct	-212.27	
		For >40, Deduct	-350.79	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,513.31	683.63
		For >10 To 20, Deduct	-112.83	
		For >20 To 40, Deduct	-225.67	
		For >40, Deduct	-372.68	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,548.99	683.63
		For >10 To 20, Deduct	-113.72	
		For >20 To 40, Deduct	-227.45	
		For >40, Deduct	-375.36	
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,632.63	683.63
		For >10 To 20, Deduct	-115.82	
		For >20 To 40, Deduct	-231.63	
		For >40, Deduct	-381.63	

26 56 13 00-0177 Area Light Poles (26 56 13 00-0001)

Note: Excludes lighting fixtures.

26 56 13 00-0178 Steel Area Light Poles (26 56 13 00-0177)

Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0179 Round Straight, Steel Area Light Poles (26 56 13 00-0178)

26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0179)

26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,364.96	251.87
		For Galvanized Finish, Add	25.84	
		For >10 To 20, Deduct	-47.04	
		For >20 To 40, Deduct	-85.47	
		For >40, Deduct	-179.56	
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,484.63	287.85
		For Galvanized Finish, Add	27.27	
		For >10 To 20, Deduct	-50.75	
		For >20 To 40, Deduct	-92.41	
		For >40, Deduct	-193.91	
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,659.18	323.82
		For Galvanized Finish, Add	30.35	
		For >10 To 20, Deduct	-56.65	
		For >20 To 40, Deduct	-103.19	
		For >40, Deduct	-216.49	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,838.49	359.80
		For Galvanized Finish, Add	33.57	
		For >10 To 20, Deduct	-62.75	
		For >20 To 40, Deduct	-114.30	
		For >40, Deduct	-239.79	
26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,958.17	395.78
		For Galvanized Finish, Add	35.00	
		For >10 To 20, Deduct	-66.45	
		For >20 To 40, Deduct	-121.24	
		For >40, Deduct	-254.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	2,065.92	431.76
		For Galvanized Finish, Add	.....	36.07	
		For >10 To 20, Deduct	.....	-69.68	
		For >20 To 40, Deduct	.....	-127.34	
		For >40, Deduct	.....	-266.71	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	1,426.99	251.87
		For Galvanized Finish, Add	.....	27.70	
		For >10 To 20, Deduct	.....	-49.52	
		For >20 To 40, Deduct	.....	-89.81	
		For >40, Deduct	.....	-188.86	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	1,549.05	287.85
		For Galvanized Finish, Add	.....	29.20	
		For >10 To 20, Deduct	.....	-53.33	
		For >20 To 40, Deduct	.....	-96.92	
		For >40, Deduct	.....	-203.57	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	1,788.01	323.82
		For Galvanized Finish, Add	.....	34.21	
		For >10 To 20, Deduct	.....	-61.81	
		For >20 To 40, Deduct	.....	-112.21	
		For >40, Deduct	.....	-235.82	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	1,921.99	359.80
		For Galvanized Finish, Add	.....	36.07	
		For >10 To 20, Deduct	.....	-66.09	
		For >20 To 40, Deduct	.....	-120.15	
		For >40, Deduct	.....	-252.32	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	2,048.82	395.78
		For Galvanized Finish, Add	.....	37.72	
		For >10 To 20, Deduct	.....	-70.08	
		For >20 To 40, Deduct	.....	-127.59	
		For >40, Deduct	.....	-267.74	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	2,151.81	431.76
		For Galvanized Finish, Add	.....	38.65	
		For >10 To 20, Deduct	.....	-73.12	
		For >20 To 40, Deduct	.....	-133.36	
		For >40, Deduct	.....	-279.59	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	2,527.92	575.69
		For Galvanized Finish, Add	.....	41.30	
		For >10 To 20, Deduct	.....	-83.85	
		For >20 To 40, Deduct	.....	-153.93	
		For >40, Deduct	.....	-321.62	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	1,426.99	251.87
		For Galvanized Finish, Add	.....	27.70	
		For >10 To 20, Deduct	.....	-49.52	
		For >20 To 40, Deduct	.....	-89.81	
		For >40, Deduct	.....	-188.86	
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	1,556.20	287.85
		For Galvanized Finish, Add	.....	29.42	
		For >10 To 20, Deduct	.....	-53.61	
		For >20 To 40, Deduct	.....	-97.42	
		For >40, Deduct	.....	-204.65	
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	1,826.18	323.82
		For Galvanized Finish, Add	.....	35.36	
		For >10 To 20, Deduct	.....	-63.33	
		For >20 To 40, Deduct	.....	-114.88	
		For >40, Deduct	.....	-241.54	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	1,929.15	359.80
		For Galvanized Finish, Add	.....	36.29	
		For >10 To 20, Deduct	.....	-66.37	
		For >20 To 40, Deduct	.....	-120.65	
		For >40, Deduct	.....	-253.39	
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	2,048.82	395.78
		For Galvanized Finish, Add	.....	37.72	
		For >10 To 20, Deduct	.....	-70.08	
		For >20 To 40, Deduct	.....	-127.59	
		For >40, Deduct	.....	-267.74	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	2,151.81	431.76
		For Galvanized Finish, Add	.....	38.65	
		For >10 To 20, Deduct	.....	-73.12	
		For >20 To 40, Deduct	.....	-133.36	
		For >40, Deduct	.....	-279.59	
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	2,594.72	575.69
		For Galvanized Finish, Add	.....	43.30	
		For >10 To 20, Deduct	.....	-86.52	
		For >20 To 40, Deduct	.....	-158.60	
		For >40, Deduct	.....	-331.64	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	2,862.69	647.65
		For Galvanized Finish, Add	.....	47.02	
		For >10 To 20, Deduct	.....	-95.08	
		For >20 To 40, Deduct	.....	-174.48	
		For >40, Deduct	.....	-364.64	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	2,304.49	431.76
		For Galvanized Finish, Add	.....	43.23	
		For >10 To 20, Deduct	.....	-79.23	
		For >20 To 40, Deduct	.....	-144.04	
		For >40, Deduct	.....	-302.50	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	.....	2,625.73	575.69
		For Galvanized Finish, Add	.....	44.23	
		For >10 To 20, Deduct	.....	-87.76	
		For >20 To 40, Deduct	.....	-160.77	
		For >40, Deduct	.....	-336.29	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,922.33	647.65
		For Galvanized Finish, Add	48.81	
		For >10 To 20, Deduct	-97.46	
		For >20 To 40, Deduct	-178.66	
		For >40, Deduct	-373.58	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles (26 56 13 00-0178)**26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0205)**

26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,843.65	431.76
		For Galvanized Finish, Add	59.40	
		For >10 To 20, Deduct	-100.79	
		For >20 To 40, Deduct	-181.78	
		For >40, Deduct	-383.37	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,917.61	431.76
		For Galvanized Finish, Add	61.62	
		For >10 To 20, Deduct	-103.75	
		For >20 To 40, Deduct	-186.96	
		For >40, Deduct	-394.46	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,367.68	575.69
		For Galvanized Finish, Add	66.49	
		For >10 To 20, Deduct	-117.44	
		For >20 To 40, Deduct	-212.71	
		For >40, Deduct	-447.58	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,520.36	575.69
		For Galvanized Finish, Add	71.07	
		For >10 To 20, Deduct	-123.54	
		For >20 To 40, Deduct	-223.40	
		For >40, Deduct	-470.49	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,750.16	647.65
		For Galvanized Finish, Add	73.65	
		For >10 To 20, Deduct	-130.58	
		For >20 To 40, Deduct	-236.61	
		For >40, Deduct	-497.76	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,005.43	647.65
		For Galvanized Finish, Add	81.30	
		For >10 To 20, Deduct	-140.79	
		For >20 To 40, Deduct	-254.47	
		For >40, Deduct	-536.05	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,129.88	683.63
		For Galvanized Finish, Add	82.88	
		For >10 To 20, Deduct	-144.69	
		For >20 To 40, Deduct	-261.75	
		For >40, Deduct	-551.12	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,287.33	683.63
		For Galvanized Finish, Add	87.60	
		For >10 To 20, Deduct	-150.98	
		For >20 To 40, Deduct	-272.77	
		For >40, Deduct	-574.74	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,664.27	683.63
		For Galvanized Finish, Add	98.91	
		For >10 To 20, Deduct	-166.06	
		For >20 To 40, Deduct	-299.15	
		For >40, Deduct	-631.28	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,707.60	719.61
		For Galvanized Finish, Add	98.05	
		For >10 To 20, Deduct	-166.72	
		For >20 To 40, Deduct	-300.75	
		For >40, Deduct	-634.18	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,774.40	719.61
		For Galvanized Finish, Add	100.06	
		For >10 To 20, Deduct	-169.39	
		For >20 To 40, Deduct	-305.42	
		For >40, Deduct	-644.20	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,492.05	935.49
		For Galvanized Finish, Add	138.63	
		For >10 To 20, Deduct	-231.62	
		For >20 To 40, Deduct	-417.02	
		For >40, Deduct	-880.26	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,765.58	1,079.41
		For Galvanized Finish, Add	138.20	
		For >10 To 20, Deduct	-238.24	
		For >20 To 40, Deduct	-430.41	
		For >40, Deduct	-906.90	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,555.75	575.69
		For Galvanized Finish, Add	102.13	
		For >10 To 20, Deduct	-164.96	
		For >20 To 40, Deduct	-295.87	
		For >40, Deduct	-625.79	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,172.03	647.65
		For Galvanized Finish, Add	116.30	
		For >10 To 20, Deduct	-187.45	
		For >20 To 40, Deduct	-336.14	
		For >40, Deduct	-711.04	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,993.48	719.61
		For Galvanized Finish, Add	136.63	
		For >10 To 20, Deduct	-218.15	
		For >20 To 40, Deduct	-390.76	
		For >40, Deduct	-827.06	

		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	.....	7,236.38	935.49
		For Galvanized Finish, Add	.....	160.96	
		For >10 To 20, Deduct	.....	-261.39	
		For >20 To 40, Deduct	.....	-469.13	
		For >40, Deduct	.....	-991.91	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	.....	8,445.10	1,079.41
		For Galvanized Finish, Add	.....	188.59	
		For >10 To 20, Deduct	.....	-305.42	
		For >20 To 40, Deduct	.....	-547.98	
		For >40, Deduct	.....	-1,158.82	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	.....	9,416.07	1,079.41
		For Galvanized Finish, Add	.....	217.72	
		For >10 To 20, Deduct	.....	-344.26	
		For >20 To 40, Deduct	.....	-615.95	
		For >40, Deduct	.....	-1,304.47	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	.....	12,660.59	1,079.41
		For Galvanized Finish, Add	.....	315.05	
		For >10 To 20, Deduct	.....	-474.04	
		For >20 To 40, Deduct	.....	-843.06	
		For >40, Deduct	.....	-1,791.15	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	.....	14,235.14	1,079.41
		For Galvanized Finish, Add	.....	362.29	
		For >10 To 20, Deduct	.....	-537.02	
		For >20 To 40, Deduct	.....	-953.28	
		For >40, Deduct	.....	-2,027.33	
26 56 13 00-0228	Square Straight, Steel Area Light Poles (26 56 13 00-0178)				
26 56 13 00-0229	Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0228)				
26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	1,345.87	251.87
		For Galvanized Finish, Add	.....	25.26	
		For >10 To 20, Deduct	.....	-46.28	
		For >20 To 40, Deduct	.....	-84.14	
		For >40, Deduct	.....	-176.69	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	1,417.83	287.85
		For Galvanized Finish, Add	.....	25.26	
		For >10 To 20, Deduct	.....	-48.08	
		For >20 To 40, Deduct	.....	-87.73	
		For >40, Deduct	.....	-183.89	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	1,530.35	323.82
		For Galvanized Finish, Add	.....	26.48	
		For >10 To 20, Deduct	.....	-51.50	
		For >20 To 40, Deduct	.....	-94.17	
		For >40, Deduct	.....	-197.17	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	1,623.59	341.82
		For Galvanized Finish, Add	.....	28.20	
		For >10 To 20, Deduct	.....	-54.69	
		For >20 To 40, Deduct	.....	-99.98	
		For >40, Deduct	.....	-209.36	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	1,659.57	359.80
		For Galvanized Finish, Add	.....	28.20	
		For >10 To 20, Deduct	.....	-55.59	
		For >20 To 40, Deduct	.....	-101.78	
		For >40, Deduct	.....	-212.96	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	1,757.77	395.78
		For Galvanized Finish, Add	.....	28.99	
		For >10 To 20, Deduct	.....	-58.44	
		For >20 To 40, Deduct	.....	-107.21	
		For >40, Deduct	.....	-224.09	
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	1,851.21	431.76
		For Galvanized Finish, Add	.....	29.63	
		For >10 To 20, Deduct	.....	-61.10	
		For >20 To 40, Deduct	.....	-112.31	
		For >40, Deduct	.....	-234.50	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	2,282.19	575.69
		For Galvanized Finish, Add	.....	33.92	
		For >10 To 20, Deduct	.....	-74.02	
		For >20 To 40, Deduct	.....	-136.73	
		For >40, Deduct	.....	-284.76	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	2,173.28	431.76
		For Galvanized Finish, Add	.....	39.29	
		For >10 To 20, Deduct	.....	-73.98	
		For >20 To 40, Deduct	.....	-134.66	
		For >40, Deduct	.....	-282.82	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	2,725.93	575.69
		For Galvanized Finish, Add	.....	47.24	
		For >10 To 20, Deduct	.....	-91.77	
		For >20 To 40, Deduct	.....	-167.79	
		For >40, Deduct	.....	-351.32	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	3,129.89	647.65
		For Galvanized Finish, Add	.....	55.04	
		For >10 To 20, Deduct	.....	-105.77	
		For >20 To 40, Deduct	.....	-193.19	
		For >40, Deduct	.....	-404.72	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	.....	2,085.01	431.76
		For Galvanized Finish, Add	.....	36.64	
		For >10 To 20, Deduct	.....	-70.45	
		For >20 To 40, Deduct	.....	-128.68	
		For >40, Deduct	.....	-269.57	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0242	EA 25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,554.16	575.69
	For Galvanized Finish, Add	42.08	
	For >10 To 20, Deduct	-84.90	
	For >20 To 40, Deduct	-155.76	
	For >40, Deduct	-325.56	
26 56 13 00-0243	EA 30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,981.98	647.65
	For Galvanized Finish, Add	50.60	
	For >10 To 20, Deduct	-99.85	
	For >20 To 40, Deduct	-182.83	
	For >40, Deduct	-382.53	
26 56 13 00-0244	EA 20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,387.99	431.76
	For Galvanized Finish, Add	45.73	
	For >10 To 20, Deduct	-82.57	
	For >20 To 40, Deduct	-149.89	
	For >40, Deduct	-315.02	
26 56 13 00-0245	EA 25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,940.64	575.69
	For Galvanized Finish, Add	53.68	
	For >10 To 20, Deduct	-100.35	
	For >20 To 40, Deduct	-182.82	
	For >40, Deduct	-383.53	
26 56 13 00-0246	EA 30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,332.67	647.65
	For Galvanized Finish, Add	61.12	
	For >10 To 20, Deduct	-113.88	
	For >20 To 40, Deduct	-207.38	
	For >40, Deduct	-435.14	
26 56 13 00-0247	EA 35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,700.46	683.63
	For Galvanized Finish, Add	70.00	
	For >10 To 20, Deduct	-127.51	
	For >20 To 40, Deduct	-231.69	
	For >40, Deduct	-486.71	
26 56 13 00-0248	EA 30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,802.65	647.65
	For Galvanized Finish, Add	75.22	
	For >10 To 20, Deduct	-132.68	
	For >20 To 40, Deduct	-240.28	
	For >40, Deduct	-505.63	
26 56 13 00-0249	EA 35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,172.82	683.63
	For Galvanized Finish, Add	84.17	
	For >10 To 20, Deduct	-146.40	
	For >20 To 40, Deduct	-264.75	
	For >40, Deduct	-557.56	
26 56 13 00-0250	EA 40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,414.16	719.61
	For Galvanized Finish, Add	89.25	
	For >10 To 20, Deduct	-154.98	
	For >20 To 40, Deduct	-280.21	
	For >40, Deduct	-590.16	

26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)

26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)

26 56 13 00-0253	EA 20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,819.50	431.76
	For Galvanized Finish, Add	118.68	
	For >10 To 20, Deduct	-179.83	
	For >20 To 40, Deduct	-320.09	
	For >40, Deduct	-679.75	
26 56 13 00-0254	EA 25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,376.31	575.69
	For Galvanized Finish, Add	126.75	
	For >10 To 20, Deduct	-197.78	
	For >20 To 40, Deduct	-353.31	
	For >40, Deduct	-748.88	
26 56 13 00-0255	EA 30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,529.93	647.65
	For Galvanized Finish, Add	187.04	
	For >10 To 20, Deduct	-281.77	
	For >20 To 40, Deduct	-501.19	
	For >40, Deduct	-1,064.72	
26 56 13 00-0256	EA 20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,915.92	431.76
	For Galvanized Finish, Add	121.57	
	For >10 To 20, Deduct	-183.68	
	For >20 To 40, Deduct	-326.84	
	For >40, Deduct	-694.21	
26 56 13 00-0257	EA 25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,937.10	575.69
	For Galvanized Finish, Add	143.57	
	For >10 To 20, Deduct	-220.21	
	For >20 To 40, Deduct	-392.57	
	For >40, Deduct	-833.00	
26 56 13 00-0258	EA 30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,364.76	647.65
	For Galvanized Finish, Add	212.08	
	For >10 To 20, Deduct	-315.16	
	For >20 To 40, Deduct	-559.63	
	For >40, Deduct	-1,189.95	
26 56 13 00-0259	EA 35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,601.43	683.63
	For Galvanized Finish, Add	247.03	
	For >10 To 20, Deduct	-363.55	
	For >20 To 40, Deduct	-644.75	
	For >40, Deduct	-1,371.85	
26 56 13 00-0260	EA 39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,289.78	719.61
	For Galvanized Finish, Add	295.52	
	For >10 To 20, Deduct	-430.00	
	For >20 To 40, Deduct	-761.50	
	For >40, Deduct	-1,621.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	4,667.25	431.76
		For Galvanized Finish, Add	.....	114.11	
		For >10 To 20, Deduct	.....	-173.74	
		For >20 To 40, Deduct	.....	-309.44	
		For >40, Deduct	.....	-656.91	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	5,132.71	575.69
		For Galvanized Finish, Add	.....	119.44	
		For >10 To 20, Deduct	.....	-188.04	
		For >20 To 40, Deduct	.....	-336.26	
		For >40, Deduct	.....	-712.34	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	7,101.09	647.65
		For Galvanized Finish, Add	.....	174.17	
		For >10 To 20, Deduct	.....	-264.61	
		For >20 To 40, Deduct	.....	-471.17	
		For >40, Deduct	.....	-1,000.40	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	4,842.33	431.76
		For Galvanized Finish, Add	.....	119.36	
		For >10 To 20, Deduct	.....	-180.74	
		For >20 To 40, Deduct	.....	-321.69	
		For >40, Deduct	.....	-683.17	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	5,708.72	575.69
		For Galvanized Finish, Add	.....	136.72	
		For >10 To 20, Deduct	.....	-211.08	
		For >20 To 40, Deduct	.....	-376.58	
		For >40, Deduct	.....	-798.74	
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	.....	8,047.58	647.65
		For Galvanized Finish, Add	.....	202.57	
		For >10 To 20, Deduct	.....	-302.47	
		For >20 To 40, Deduct	.....	-537.42	
		For >40, Deduct	.....	-1,142.37	
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	5,111.31	431.76
		For Galvanized Finish, Add	.....	127.43	
		For >10 To 20, Deduct	.....	-191.50	
		For >20 To 40, Deduct	.....	-340.52	
		For >40, Deduct	.....	-723.52	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	6,193.38	575.69
		For Galvanized Finish, Add	.....	151.26	
		For >10 To 20, Deduct	.....	-230.46	
		For >20 To 40, Deduct	.....	-410.51	
		For >40, Deduct	.....	-871.44	
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	8,618.51	647.65
		For Galvanized Finish, Add	.....	219.70	
		For >10 To 20, Deduct	.....	-325.31	
		For >20 To 40, Deduct	.....	-577.39	
		For >40, Deduct	.....	-1,228.01	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	9,911.01	683.63
		For Galvanized Finish, Add	.....	256.31	
		For >10 To 20, Deduct	.....	-375.93	
		For >20 To 40, Deduct	.....	-666.43	
		For >40, Deduct	.....	-1,418.29	
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	.....	11,454.72	719.61
		For Galvanized Finish, Add	.....	300.47	
		For >10 To 20, Deduct	.....	-436.60	
		For >20 To 40, Deduct	.....	-773.05	
		For >40, Deduct	.....	-1,646.25	
26 56 13 00-0272	Square Tapered, Steel Area Light Poles (26 56 13 00-0178)				
26 56 13 00-0273	Square Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0272)				
26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	.....	3,647.63	431.76
		For Galvanized Finish, Add	.....	83.52	
		For >10 To 20, Deduct	.....	-132.95	
		For >20 To 40, Deduct	.....	-238.06	
		For >40, Deduct	.....	-503.97	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	.....	4,426.92	575.69
		For Galvanized Finish, Add	.....	98.27	
		For >10 To 20, Deduct	.....	-159.81	
		For >20 To 40, Deduct	.....	-286.86	
		For >40, Deduct	.....	-606.47	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	.....	4,926.30	647.65
		For Galvanized Finish, Add	.....	108.93	
		For >10 To 20, Deduct	.....	-177.62	
		For >20 To 40, Deduct	.....	-318.94	
		For >40, Deduct	.....	-674.18	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	.....	5,468.24	683.63
		For Galvanized Finish, Add	.....	123.03	
		For >10 To 20, Deduct	.....	-198.22	
		For >20 To 40, Deduct	.....	-355.43	
		For >40, Deduct	.....	-751.87	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	.....	5,764.46	719.61
		For Galvanized Finish, Add	.....	129.76	
		For >10 To 20, Deduct	.....	-208.99	
		For >20 To 40, Deduct	.....	-374.73	
		For >40, Deduct	.....	-792.71	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	.....	4,718.80	431.76
		For Galvanized Finish, Add	.....	115.66	
		For >10 To 20, Deduct	.....	-175.80	
		For >20 To 40, Deduct	.....	-313.05	
		For >40, Deduct	.....	-664.64	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,266.68	575.69
		For Galvanized Finish, Add	123.46	
		For >10 To 20, Deduct	-193.40	
		For >20 To 40, Deduct	-345.64	
		For >40, Deduct	-732.43	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,613.38	647.65
		For Galvanized Finish, Add	129.54	
		For >10 To 20, Deduct	-205.11	
		For >20 To 40, Deduct	-367.03	
		For >40, Deduct	-777.24	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,243.20	647.65
		For Galvanized Finish, Add	148.44	
		For >10 To 20, Deduct	-230.30	
		For >20 To 40, Deduct	-411.12	
		For >40, Deduct	-871.72	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,768.44	683.63
		For Galvanized Finish, Add	162.04	
		For >10 To 20, Deduct	-250.23	
		For >20 To 40, Deduct	-446.45	
		For >40, Deduct	-946.90	
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	7,548.56	683.63
		For Galvanized Finish, Add	185.44	
		For >10 To 20, Deduct	-281.43	
		For >20 To 40, Deduct	-501.05	
		For >40, Deduct	-1,063.92	
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,876.18	719.61
		For Galvanized Finish, Add	163.11	
		For >10 To 20, Deduct	-253.46	
		For >20 To 40, Deduct	-452.55	
		For >40, Deduct	-959.47	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	8,796.66	719.61
		For Galvanized Finish, Add	220.72	
		For >10 To 20, Deduct	-330.28	
		For >20 To 40, Deduct	-586.98	
		For >40, Deduct	-1,247.54	
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	8,116.70	935.49
		For Galvanized Finish, Add	187.37	
		For >10 To 20, Deduct	-296.60	
		For >20 To 40, Deduct	-530.75	
		For >40, Deduct	-1,123.96	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	9,426.44	935.49
		For Galvanized Finish, Add	226.66	
		For >10 To 20, Deduct	-348.99	
		For >20 To 40, Deduct	-622.43	
		For >40, Deduct	-1,320.42	
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	9,781.08	1,079.41
		For Galvanized Finish, Add	228.67	
		For >10 To 20, Deduct	-358.86	
		For >20 To 40, Deduct	-641.50	
		For >40, Deduct	-1,359.22	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles (26 56 13 00-0178)

26 56 13 00-0291	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	84.58	
26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles	125.79	
26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles	127.96	

26 56 13 00-0294 Aluminum Area Light Poles (26 56 13 00-0177)

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0295 Round Straight, Aluminum Area Light Poles (26 56 13 00-0294)**26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base** (26 56 13 00-0295)

26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	813.18	215.89
		For Bronze Or Satin Anodized Finish, Add	38.14	
		For Black Anodized Finish, Add	76.28	
		For >10 To 20, Deduct	-26.05	
		For >20 To 40, Deduct	-48.29	
		For >40, Deduct	-100.39	
26 56 13 00-0298	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	904.71	251.87
		For Bronze Or Satin Anodized Finish, Add	40.10	
		For Black Anodized Finish, Add	80.20	
		For >10 To 20, Deduct	-28.63	
		For >20 To 40, Deduct	-53.26	
		For >40, Deduct	-110.52	
26 56 13 00-0299	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,001.12	287.85
		For Bronze Or Satin Anodized Finish, Add	42.54	
		For Black Anodized Finish, Add	85.09	
		For >10 To 20, Deduct	-31.41	
		For >20 To 40, Deduct	-58.56	
		For >40, Deduct	-121.38	
26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,098.51	323.82
		For Bronze Or Satin Anodized Finish, Add	45.09	
		For Black Anodized Finish, Add	90.17	
		For >10 To 20, Deduct	-34.23	
		For >20 To 40, Deduct	-63.94	
		For >40, Deduct	-132.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0301	EA	15'	High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,151.12 46.75 93.50 -35.79 -66.91 -138.49	341.82
26 56 13 00-0302	EA	16'	High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,202.75 48.31 96.63 -37.32 -69.80 -144.43	359.80
26 56 13 00-0303	EA	16'	High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,261.43 54.18 108.36 -39.66 -73.91 -153.23	359.80
26 56 13 00-0304	EA	18'	High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,370.55 57.90 115.80 -42.95 -80.11 -166.00	395.78
26 56 13 00-0305	EA	20'	High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,473.82 61.03 122.06 -46.00 -85.90 -177.90	431.76
26 56 13 00-0306	EA	15'	High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,367.26 68.36 136.73 -44.44 -82.04 -170.91	341.82
26 56 13 00-0307	EA	20'	High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,689.96 82.64 165.28 -54.65 -101.03 -210.32	431.76
26 56 13 00-0308	EA	20'	High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,799.50 93.60 187.19 -59.03 -108.69 -226.75	431.76
26 56 13 00-0309	EA	25'	High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,190.03 103.87 207.73 -70.33 -130.27 -270.94	575.69
26 56 13 00-0310	EA	30'	High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,528.57 123.33 246.65 -81.71 -151.09 -314.52	647.65
26 56 13 00-0311	EA	20'	High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,541.30 67.78 135.55 -48.70 -90.62 -188.02	431.76
26 56 13 00-0312	EA	20'	High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,790.69 92.72 185.43 -58.67 -108.08 -225.43	431.76
26 56 13 00-0313	EA	25'	High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,174.38 102.30 204.60 -69.70 -129.18 -268.59	575.69
26 56 13 00-0314	EA	25'	High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,316.19 116.48 232.96 -75.38 -139.11 -289.86	575.69
26 56 13 00-0315	EA	30'	High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,688.96 139.37 278.73 -88.13 -162.32 -338.58	647.65

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0295)			
26 56 13 00-0317	EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	912.94	215.89
	For Bronze, Satin Or Black Anodized Finish, Add	72.18	
	For >10 To 20, Deduct	-30.04	
	For >20 To 40, Deduct	-55.27	
	For >40, Deduct	-115.35	
26 56 13 00-0318	EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,024.03	251.87
	For Bronze, Satin Or Black Anodized Finish, Add	78.05	
	For >10 To 20, Deduct	-33.41	
	For >20 To 40, Deduct	-61.61	
	For >40, Deduct	-128.42	
26 56 13 00-0319	EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,131.20	287.85
	For Bronze, Satin Or Black Anodized Finish, Add	83.33	
	For >10 To 20, Deduct	-36.61	
	For >20 To 40, Deduct	-67.67	
	For >40, Deduct	-140.90	
26 56 13 00-0320	EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,219.79	323.82
	For Bronze, Satin Or Black Anodized Finish, Add	85.82	
	For >10 To 20, Deduct	-39.08	
	For >20 To 40, Deduct	-72.43	
	For >40, Deduct	-150.59	
26 56 13 00-0321	EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,320.11	359.80
	For Bronze, Satin Or Black Anodized Finish, Add	90.08	
	For >10 To 20, Deduct	-42.01	
	For >20 To 40, Deduct	-78.02	
	For >40, Deduct	-162.04	
26 56 13 00-0322	EA 10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,044.57	251.87
	For Bronze, Satin Or Black Anodized Finish, Add	81.13	
	For >10 To 20, Deduct	-34.23	
	For >20 To 40, Deduct	-63.05	
	For >40, Deduct	-131.50	
26 56 13 00-0323	EA 12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,149.78	287.85
	For Bronze, Satin Or Black Anodized Finish, Add	86.11	
	For >10 To 20, Deduct	-37.36	
	For >20 To 40, Deduct	-68.97	
	For >40, Deduct	-143.68	
26 56 13 00-0324	EA 14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,257.93	323.82
	For Bronze, Satin Or Black Anodized Finish, Add	91.54	
	For >10 To 20, Deduct	-40.60	
	For >20 To 40, Deduct	-75.10	
	For >40, Deduct	-156.31	
26 56 13 00-0325	EA 16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,365.10	359.80
	For Bronze, Satin Or Black Anodized Finish, Add	96.82	
	For >10 To 20, Deduct	-43.81	
	For >20 To 40, Deduct	-81.16	
	For >40, Deduct	-168.78	
26 56 13 00-0326	EA 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,477.15	395.78
	For Bronze, Satin Or Black Anodized Finish, Add	102.84	
	For >10 To 20, Deduct	-47.21	
	For >20 To 40, Deduct	-87.57	
	For >40, Deduct	-181.99	
26 56 13 00-0327	EA 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,583.36	431.76
	For Bronze, Satin Or Black Anodized Finish, Add	107.97	
	For >10 To 20, Deduct	-50.38	
	For >20 To 40, Deduct	-93.56	
	For >40, Deduct	-194.33	
26 56 13 00-0328	EA 12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,187.92	287.85
	For Bronze, Satin Or Black Anodized Finish, Add	91.83	
	For >10 To 20, Deduct	-38.88	
	For >20 To 40, Deduct	-71.64	
	For >40, Deduct	-149.40	
26 56 13 00-0329	EA 14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,302.92	323.82
	For Bronze, Satin Or Black Anodized Finish, Add	98.29	
	For >10 To 20, Deduct	-42.40	
	For >20 To 40, Deduct	-78.25	
	For >40, Deduct	-163.06	
26 56 13 00-0330	EA 16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,416.93	359.80
	For Bronze, Satin Or Black Anodized Finish, Add	104.60	
	For >10 To 20, Deduct	-45.88	
	For >20 To 40, Deduct	-84.79	
	For >40, Deduct	-176.56	
26 56 13 00-0331	EA 18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,532.90	395.78
	For Bronze, Satin Or Black Anodized Finish, Add	111.20	
	For >10 To 20, Deduct	-49.44	
	For >20 To 40, Deduct	-91.47	
	For >40, Deduct	-190.36	
26 56 13 00-0332	EA 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,471.70	359.80
	For Bronze, Satin Or Black Anodized Finish, Add	112.81	
	For >10 To 20, Deduct	-48.07	
	For >20 To 40, Deduct	-88.63	
	For >40, Deduct	-184.77	
26 56 13 00-0333	EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,711.47	431.76
	For Bronze, Satin Or Black Anodized Finish, Add	127.19	
	For >10 To 20, Deduct	-55.51	
	For >20 To 40, Deduct	-102.53	
	For >40, Deduct	-213.54	

		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	.....	1,224.11	287.85
		For Bronze, Satin Or Black Anodized Finish, Add	.....	97.26	
		For >10 To 20, Deduct	.....	-40.33	
		For >20 To 40, Deduct	.....	-74.17	
		For >40, Deduct	.....	-154.63	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	.....	1,349.86	323.82
		For Bronze, Satin Or Black Anodized Finish, Add	.....	105.33	
		For >10 To 20, Deduct	.....	-44.28	
		For >20 To 40, Deduct	.....	-81.54	
		For >40, Deduct	.....	-170.10	
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	.....	1,465.83	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	.....	111.93	
		For >10 To 20, Deduct	.....	-47.84	
		For >20 To 40, Deduct	.....	-88.22	
		For >40, Deduct	.....	-183.89	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	.....	1,587.67	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	.....	119.42	
		For >10 To 20, Deduct	.....	-51.63	
		For >20 To 40, Deduct	.....	-95.31	
		For >40, Deduct	.....	-198.57	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	.....	1,706.58	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	.....	126.46	
		For >10 To 20, Deduct	.....	-55.31	
		For >20 To 40, Deduct	.....	-102.19	
		For >40, Deduct	.....	-212.81	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	.....	1,537.23	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	.....	122.64	
		For >10 To 20, Deduct	.....	-50.70	
		For >20 To 40, Deduct	.....	-93.21	
		For >40, Deduct	.....	-194.60	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	.....	1,667.87	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	.....	131.45	
		For >10 To 20, Deduct	.....	-54.84	
		For >20 To 40, Deduct	.....	-100.92	
		For >40, Deduct	.....	-210.60	
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	.....	1,736.90	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	.....	131.00	
		For >10 To 20, Deduct	.....	-56.52	
		For >20 To 40, Deduct	.....	-104.31	
		For >40, Deduct	.....	-217.36	
26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0295)					
Note: Includes rubberized undercoating on embedded portion.					
26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	719.71	179.91
		For Bronze Or Satin Anodized Finish, Add	.....	35.99	
		For Black Anodized Finish, Add	.....	71.98	
		For >10 To 20, Deduct	.....	-23.39	
		For >20 To 40, Deduct	.....	-43.18	
		For >40, Deduct	.....	-89.97	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	774.27	197.89
		For Bronze Or Satin Anodized Finish, Add	.....	37.85	
		For Black Anodized Finish, Add	.....	75.70	
		For >10 To 20, Deduct	.....	-25.03	
		For >20 To 40, Deduct	.....	-46.28	
		For >40, Deduct	.....	-96.35	
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	854.26	215.89
		For Bronze Or Satin Anodized Finish, Add	.....	42.25	
		For Black Anodized Finish, Add	.....	84.50	
		For >10 To 20, Deduct	.....	-27.69	
		For >20 To 40, Deduct	.....	-51.16	
		For >40, Deduct	.....	-106.55	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	876.75	215.89
		For Bronze Or Satin Anodized Finish, Add	.....	44.50	
		For Black Anodized Finish, Add	.....	89.00	
		For >10 To 20, Deduct	.....	-28.59	
		For >20 To 40, Deduct	.....	-52.74	
		For >40, Deduct	.....	-109.92	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	905.12	215.89
		For Bronze Or Satin Anodized Finish, Add	.....	47.34	
		For Black Anodized Finish, Add	.....	94.67	
		For >10 To 20, Deduct	.....	-29.73	
		For >20 To 40, Deduct	.....	-54.72	
		For >40, Deduct	.....	-114.18	
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	1,027.16	233.87
		For Bronze Or Satin Anodized Finish, Add	.....	55.94	
		For Black Anodized Finish, Add	.....	111.88	
		For >10 To 20, Deduct	.....	-34.07	
		For >20 To 40, Deduct	.....	-62.55	
		For >40, Deduct	.....	-130.69	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	.....	1,099.34	251.87
		For Bronze Or Satin Anodized Finish, Add	.....	59.56	
		For Black Anodized Finish, Add	.....	119.12	
		For >10 To 20, Deduct	.....	-36.42	
		For >20 To 40, Deduct	.....	-66.88	
		For >40, Deduct	.....	-139.71	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,250.93	251.87
		For Bronze Or Satin Anodized Finish, Add	74.72	
		For Black Anodized Finish, Add	149.44	
		For >10 To 20, Deduct	-42.48	
		For >20 To 40, Deduct	-77.49	
		For >40, Deduct	-162.45	
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,517.51	287.85
		For Bronze Or Satin Anodized Finish, Add	94.18	
		For Black Anodized Finish, Add	188.36	
		For >10 To 20, Deduct	-52.07	
		For >20 To 40, Deduct	-94.71	
		For >40, Deduct	-198.84	
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,720.53	323.82
		For Bronze Or Satin Anodized Finish, Add	107.29	
		For Black Anodized Finish, Add	214.58	
		For >10 To 20, Deduct	-59.11	
		For >20 To 40, Deduct	-107.48	
		For >40, Deduct	-225.70	
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,899.50	323.82
		For Bronze Or Satin Anodized Finish, Add	125.19	
		For Black Anodized Finish, Add	250.37	
		For >10 To 20, Deduct	-66.27	
		For >20 To 40, Deduct	-120.01	
		For >40, Deduct	-252.54	

26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles (26 56 13 00-0294)

26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0354)

26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	708.54	215.89
		For Bronze Or Satin Anodized Finish, Add	27.68	
		For Black Anodized Finish, Add	55.36	
		For >10 To 20, Deduct	-21.87	
		For >20 To 40, Deduct	-40.96	
		For >40, Deduct	-84.69	
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	803.00	251.87
		For Bronze Or Satin Anodized Finish, Add	29.93	
		For Black Anodized Finish, Add	59.85	
		For >10 To 20, Deduct	-24.56	
		For >20 To 40, Deduct	-46.14	
		For >40, Deduct	-95.26	
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	897.46	287.85
		For Bronze Or Satin Anodized Finish, Add	32.18	
		For Black Anodized Finish, Add	64.35	
		For >10 To 20, Deduct	-27.26	
		For >20 To 40, Deduct	-51.31	
		For >40, Deduct	-105.83	
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,000.71	323.82
		For Bronze Or Satin Anodized Finish, Add	35.31	
		For Black Anodized Finish, Add	70.61	
		For >10 To 20, Deduct	-30.31	
		For >20 To 40, Deduct	-57.10	
		For >40, Deduct	-117.72	
26 56 13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,102.99	359.80
		For Bronze Or Satin Anodized Finish, Add	38.34	
		For Black Anodized Finish, Add	76.68	
		For >10 To 20, Deduct	-33.33	
		For >20 To 40, Deduct	-62.82	
		For >40, Deduct	-129.47	
26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	828.43	251.87
		For Bronze Or Satin Anodized Finish, Add	32.47	
		For Black Anodized Finish, Add	64.94	
		For >10 To 20, Deduct	-25.58	
		For >20 To 40, Deduct	-47.92	
		For >40, Deduct	-99.08	
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	937.55	287.85
		For Bronze Or Satin Anodized Finish, Add	36.19	
		For Black Anodized Finish, Add	72.37	
		For >10 To 20, Deduct	-28.87	
		For >20 To 40, Deduct	-54.11	
		For >40, Deduct	-111.85	
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,043.74	323.82
		For Bronze Or Satin Anodized Finish, Add	39.61	
		For Black Anodized Finish, Add	79.22	
		For >10 To 20, Deduct	-32.03	
		For >20 To 40, Deduct	-60.11	
		For >40, Deduct	-124.18	
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,249.28	395.78
		For Bronze Or Satin Anodized Finish, Add	45.77	
		For Black Anodized Finish, Add	91.54	
		For >10 To 20, Deduct	-38.10	
		For >20 To 40, Deduct	-71.62	
		For >40, Deduct	-147.81	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,345.70	431.76
		For Bronze Or Satin Anodized Finish, Add	48.22	
		For Black Anodized Finish, Add	96.43	
		For >10 To 20, Deduct	-40.87	
		For >20 To 40, Deduct	-76.93	
		For >40, Deduct	-158.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0366	EA	12'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	973.74 39.81 79.61 -30.31 -56.65 -117.28	287.85
26 56 13 00-0367	EA	14'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,085.80 43.82 87.63 -33.72 -63.05 -130.49	323.82
26 56 13 00-0368	EA	16'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,204.70 48.51 97.02 -37.39 -69.94 -144.72	359.80
26 56 13 00-0369	EA	18'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,306.00 51.44 102.89 -40.37 -75.59 -156.32	395.78
26 56 13 00-0370	EA	20'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,421.01 55.75 111.49 -43.89 -82.20 -169.97	431.76
26 56 13 00-0371	EA	16'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,300.55 58.09 116.19 -41.23 -76.65 -159.10	359.80
26 56 13 00-0372	EA	18'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,428.25 63.67 127.34 -45.26 -84.15 -174.66	395.78
26 56 13 00-0373	EA	20'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,515.87 65.23 130.47 -47.68 -88.84 -184.20	431.76
26 56 13 00-0374	EA	23'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,746.83 73.94 147.88 -54.76 -102.13 -211.65	503.73
26 56 13 00-0375	EA	25'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,983.67 83.23 166.46 -62.08 -115.83 -239.98	575.69
26 56 13 00-0376	EA	18'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,524.10 73.25 146.51 -49.09 -90.86 -189.04	395.78
26 56 13 00-0377	EA	20'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,632.26 76.87 153.74 -52.34 -96.99 -201.66	431.76
26 56 13 00-0378	EA	23'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,838.76 83.13 166.26 -58.44 -108.56 -225.44	503.73
26 56 13 00-0379	EA	25'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,054.08 90.27 180.54 -64.89 -120.76 -250.54	575.69
26 56 13 00-0380	EA	28'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,205.26 98.19 196.38 -69.86 -129.90 -269.62	611.67

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,358.40	647.65
		For Bronze Or Satin Anodized Finish, Add	106.31	
		For Black Anodized Finish, Add	212.62	
		For >10 To 20, Deduct	-74.91	
		For >20 To 40, Deduct	-139.18	
		For >40, Deduct	-289.00	
26 56 13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,929.71	503.73
		For Bronze Or Satin Anodized Finish, Add	92.23	
		For Black Anodized Finish, Add	184.45	
		For >10 To 20, Deduct	-62.08	
		For >20 To 40, Deduct	-114.93	
		For >40, Deduct	-239.08	
26 56 13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,114.72	575.69
		For Bronze Or Satin Anodized Finish, Add	96.33	
		For Black Anodized Finish, Add	192.67	
		For >10 To 20, Deduct	-67.32	
		For >20 To 40, Deduct	-125.00	
		For >40, Deduct	-259.64	
26 56 13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,270.79	611.67
		For Bronze Or Satin Anodized Finish, Add	104.75	
		For Black Anodized Finish, Add	209.49	
		For >10 To 20, Deduct	-72.48	
		For >20 To 40, Deduct	-134.49	
		For >40, Deduct	-279.45	
26 56 13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,460.11	647.65
		For Bronze Or Satin Anodized Finish, Add	116.48	
		For Black Anodized Finish, Add	232.96	
		For >10 To 20, Deduct	-78.97	
		For >20 To 40, Deduct	-146.30	
		For >40, Deduct	-304.25	
26 56 13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,540.10	665.64
		For Bronze Or Satin Anodized Finish, Add	120.88	
		For Black Anodized Finish, Add	241.76	
		For >10 To 20, Deduct	-81.63	
		For >20 To 40, Deduct	-151.18	
		For >40, Deduct	-314.45	
26 56 13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,694.42	683.63
		For Bronze Or Satin Anodized Finish, Add	132.72	
		For Black Anodized Finish, Add	265.43	
		For >10 To 20, Deduct	-87.27	
		For >20 To 40, Deduct	-161.26	
		For >40, Deduct	-335.80	
26 56 13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,013.84	287.85
		For Bronze Or Satin Anodized Finish, Add	43.82	
		For Black Anodized Finish, Add	87.63	
		For >10 To 20, Deduct	-31.92	
		For >20 To 40, Deduct	-59.46	
		For >40, Deduct	-123.29	
26 56 13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,132.74	323.82
		For Bronze Or Satin Anodized Finish, Add	48.51	
		For Black Anodized Finish, Add	97.02	
		For >10 To 20, Deduct	-35.59	
		For >20 To 40, Deduct	-66.34	
		For >40, Deduct	-137.53	
26 56 13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,255.56	359.80
		For Bronze Or Satin Anodized Finish, Add	53.60	
		For Black Anodized Finish, Add	107.19	
		For >10 To 20, Deduct	-39.43	
		For >20 To 40, Deduct	-73.50	
		For >40, Deduct	-152.35	
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,367.62	395.78
		For Bronze Or Satin Anodized Finish, Add	57.61	
		For Black Anodized Finish, Add	115.21	
		For >10 To 20, Deduct	-42.83	
		For >20 To 40, Deduct	-79.90	
		For >40, Deduct	-165.56	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,478.71	431.76
		For Bronze Or Satin Anodized Finish, Add	61.52	
		For Black Anodized Finish, Add	123.03	
		For >10 To 20, Deduct	-46.20	
		For >20 To 40, Deduct	-86.24	
		For >40, Deduct	-178.63	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,362.16	359.80
		For Bronze Or Satin Anodized Finish, Add	64.26	
		For Black Anodized Finish, Add	128.51	
		For >10 To 20, Deduct	-43.69	
		For >20 To 40, Deduct	-80.96	
		For >40, Deduct	-168.34	
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,492.80	395.78
		For Bronze Or Satin Anodized Finish, Add	70.12	
		For Black Anodized Finish, Add	140.25	
		For >10 To 20, Deduct	-47.84	
		For >20 To 40, Deduct	-88.66	
		For >40, Deduct	-184.34	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,593.14	431.76
		For Bronze Or Satin Anodized Finish, Add	72.96	
		For Black Anodized Finish, Add	145.92	
		For >10 To 20, Deduct	-50.77	
		For >20 To 40, Deduct	-94.25	
		For >40, Deduct	-195.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0396	EA	23'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,819.20 81.18 162.35 -57.66 -107.20 -222.51	503.73
26 56 13 00-0397	EA	25'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,051.15 89.98 179.95 -64.78 -120.55 -250.10	575.69
26 56 13 00-0398	EA	23'	High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,040.23 103.28 206.56 -66.50 -122.67 -255.66	503.73
26 56 13 00-0399	EA	25'	High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,261.42 111.00 222.01 -73.19 -135.27 -281.64	575.69
26 56 13 00-0400	EA	28'	High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,429.23 120.59 241.18 -78.82 -145.58 -303.22	611.67
26 56 13 00-0401	EA	30'	High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,580.41 128.51 257.02 -83.79 -154.72 -322.30	647.65
26 56 13 00-0402	EA	33'	High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,711.25 138.00 275.99 -88.48 -163.16 -340.12	665.64
26 56 13 00-0403	EA	35'	High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,826.45 145.92 291.84 -92.55 -170.51 -355.60	683.63
26 56 13 00-0404	EA	37'	High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,926.00 152.28 304.55 -95.99 -176.76 -368.74	701.62
26 56 13 00-0405	EA	39'	High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,098.90 165.97 331.94 -102.37 -188.14 -392.87	719.61
26 56 13 00-0406	EA	28'	High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,851.73 162.84 325.68 -95.72 -175.15 -366.59	611.67
26 56 13 00-0407	EA	30'	High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,069.41 177.41 354.82 -103.35 -188.95 -395.65	647.65
26 56 13 00-0408	EA	33'	High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,219.82 188.85 377.71 -108.82 -198.76 -416.41	665.64
26 56 13 00-0409	EA	35'	High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,335.99 196.87 393.75 -112.93 -206.17 -432.04	683.63
26 56 13 00-0410	EA	37'	High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,404.25 200.10 400.20 -115.12 -210.23 -440.48	701.62

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,593.78	719.61
		For Bronze Or Satin Anodized Finish, Add	215.46	
		For Black Anodized Finish, Add	430.91	
		For >10 To 20, Deduct	-122.16	
		For >20 To 40, Deduct	-222.78	
		For >40, Deduct	-467.11	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,717.74	611.67
		For Bronze Or Satin Anodized Finish, Add	149.44	
		For Black Anodized Finish, Add	298.88	
		For >10 To 20, Deduct	-90.36	
		For >20 To 40, Deduct	-165.78	
		For >40, Deduct	-346.49	
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,917.82	647.65
		For Bronze Or Satin Anodized Finish, Add	162.25	
		For Black Anodized Finish, Add	324.50	
		For >10 To 20, Deduct	-97.28	
		For >20 To 40, Deduct	-178.34	
		For >40, Deduct	-372.91	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,997.81	665.64
		For Bronze Or Satin Anodized Finish, Add	166.65	
		For Black Anodized Finish, Add	333.31	
		For >10 To 20, Deduct	-99.94	
		For >20 To 40, Deduct	-183.22	
		For >40, Deduct	-383.11	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,190.27	683.63
		For Bronze Or Satin Anodized Finish, Add	182.30	
		For Black Anodized Finish, Add	364.60	
		For >10 To 20, Deduct	-107.10	
		For >20 To 40, Deduct	-195.97	
		For >40, Deduct	-410.18	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,288.84	701.62
		For Bronze Or Satin Anodized Finish, Add	188.56	
		For Black Anodized Finish, Add	377.12	
		For >10 To 20, Deduct	-110.51	
		For >20 To 40, Deduct	-202.15	
		For >40, Deduct	-423.16	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,479.35	719.61
		For Bronze Or Satin Anodized Finish, Add	204.01	
		For Black Anodized Finish, Add	408.03	
		For >10 To 20, Deduct	-117.59	
		For >20 To 40, Deduct	-214.77	
		For >40, Deduct	-449.94	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,329.97	611.67
		For Bronze Or Satin Anodized Finish, Add	210.66	
		For Black Anodized Finish, Add	421.33	
		For >10 To 20, Deduct	-114.85	
		For >20 To 40, Deduct	-208.63	
		For >40, Deduct	-438.33	
26 56 13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,521.25	647.65
		For Bronze Or Satin Anodized Finish, Add	222.60	
		For Black Anodized Finish, Add	445.19	
		For >10 To 20, Deduct	-121.42	
		For >20 To 40, Deduct	-220.58	
		For >40, Deduct	-463.42	
26 56 13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,673.61	665.64
		For Bronze Or Satin Anodized Finish, Add	234.23	
		For Black Anodized Finish, Add	468.47	
		For >10 To 20, Deduct	-126.98	
		For >20 To 40, Deduct	-230.53	
		For >40, Deduct	-484.48	
26 56 13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,905.20	683.63
		For Bronze Or Satin Anodized Finish, Add	253.79	
		For Black Anodized Finish, Add	507.59	
		For >10 To 20, Deduct	-135.70	
		For >20 To 40, Deduct	-246.02	
		For >40, Deduct	-517.42	
26 56 13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,962.69	701.62
		For Bronze Or Satin Anodized Finish, Add	255.95	
		For Black Anodized Finish, Add	511.89	
		For >10 To 20, Deduct	-137.46	
		For >20 To 40, Deduct	-249.32	
		For >40, Deduct	-524.24	
26 56 13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,193.30	719.61
		For Bronze Or Satin Anodized Finish, Add	275.41	
		For Black Anodized Finish, Add	550.82	
		For >10 To 20, Deduct	-146.14	
		For >20 To 40, Deduct	-264.75	
		For >40, Deduct	-557.03	
26 56 13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,365.72	1,079.41
		For Bronze Or Satin Anodized Finish, Add	320.69	
		For Black Anodized Finish, Add	641.38	
		For >10 To 20, Deduct	-182.25	
		For >20 To 40, Deduct	-332.42	
		For >40, Deduct	-696.92	
26 56 13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,487.00	1,079.41
		For Bronze Or Satin Anodized Finish, Add	332.82	
		For Black Anodized Finish, Add	665.63	
		For >10 To 20, Deduct	-187.10	
		For >20 To 40, Deduct	-340.91	
		For >40, Deduct	-715.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0426			Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0354)		
26 56 13 00-0427	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	918.81	215.89
			For Bronze, Satin Or Black Anodized Finish, Add	73.06	
			For >10 To 20, Deduct	-30.28	
			For >20 To 40, Deduct	-55.68	
			For >40, Deduct	-116.23	
26 56 13 00-0428	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,011.32	251.87
			For Bronze, Satin Or Black Anodized Finish, Add	76.14	
			For >10 To 20, Deduct	-32.90	
			For >20 To 40, Deduct	-60.72	
			For >40, Deduct	-126.51	
26 56 13 00-0429	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,104.79	287.85
			For Bronze, Satin Or Black Anodized Finish, Add	79.37	
			For >10 To 20, Deduct	-35.56	
			For >20 To 40, Deduct	-65.82	
			For >40, Deduct	-136.93	
26 56 13 00-0430	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,200.23	323.82
			For Bronze, Satin Or Black Anodized Finish, Add	82.89	
			For >10 To 20, Deduct	-38.29	
			For >20 To 40, Deduct	-71.06	
			For >40, Deduct	-147.65	
26 56 13 00-0431	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,294.68	359.80
			For Bronze, Satin Or Black Anodized Finish, Add	86.26	
			For >10 To 20, Deduct	-40.99	
			For >20 To 40, Deduct	-76.24	
			For >40, Deduct	-158.22	
26 56 13 00-0432	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,023.05	251.87
			For Bronze, Satin Or Black Anodized Finish, Add	77.90	
			For >10 To 20, Deduct	-33.37	
			For >20 To 40, Deduct	-61.54	
			For >40, Deduct	-128.27	
26 56 13 00-0433	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,118.49	287.85
			For Bronze, Satin Or Black Anodized Finish, Add	81.42	
			For >10 To 20, Deduct	-36.10	
			For >20 To 40, Deduct	-66.78	
			For >40, Deduct	-138.99	
26 56 13 00-0434	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,215.87	323.82
			For Bronze, Satin Or Black Anodized Finish, Add	85.23	
			For >10 To 20, Deduct	-38.92	
			For >20 To 40, Deduct	-72.16	
			For >40, Deduct	-150.00	
26 56 13 00-0435	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,312.28	359.80
			For Bronze, Satin Or Black Anodized Finish, Add	88.90	
			For >10 To 20, Deduct	-41.70	
			For >20 To 40, Deduct	-77.47	
			For >40, Deduct	-160.86	
26 56 13 00-0436	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,421.41	395.78
			For Bronze, Satin Or Black Anodized Finish, Add	94.48	
			For >10 To 20, Deduct	-44.98	
			For >20 To 40, Deduct	-83.67	
			For >40, Deduct	-173.63	
26 56 13 00-0437	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,521.74	431.76
			For Bronze, Satin Or Black Anodized Finish, Add	98.73	
			For >10 To 20, Deduct	-47.92	
			For >20 To 40, Deduct	-89.25	
			For >40, Deduct	-185.08	
26 56 13 00-0438	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,156.63	287.85
			For Bronze, Satin Or Black Anodized Finish, Add	87.14	
			For >10 To 20, Deduct	-37.63	
			For >20 To 40, Deduct	-69.45	
			For >40, Deduct	-144.71	
26 56 13 00-0439	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,258.91	323.82
			For Bronze, Satin Or Black Anodized Finish, Add	91.69	
			For >10 To 20, Deduct	-40.64	
			For >20 To 40, Deduct	-75.17	
			For >40, Deduct	-156.45	
26 56 13 00-0440	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,372.92	359.80
			For Bronze, Satin Or Black Anodized Finish, Add	98.00	
			For >10 To 20, Deduct	-44.12	
			For >20 To 40, Deduct	-81.71	
			For >40, Deduct	-169.96	
26 56 13 00-0441	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,477.15	395.78
			For Bronze, Satin Or Black Anodized Finish, Add	102.84	
			For >10 To 20, Deduct	-47.21	
			For >20 To 40, Deduct	-87.57	
			For >40, Deduct	-181.99	
26 56 13 00-0442	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,594.11	431.76
			For Bronze, Satin Or Black Anodized Finish, Add	109.59	
			For >10 To 20, Deduct	-50.81	
			For >20 To 40, Deduct	-94.32	
			For >40, Deduct	-195.94	
26 56 13 00-0443	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base.....	1,428.67	359.80
			For Bronze, Satin Or Black Anodized Finish, Add	106.36	
			For >10 To 20, Deduct	-46.35	
			For >20 To 40, Deduct	-85.61	
			For >40, Deduct	-178.32	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,552.46	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	114.13	
		For >10 To 20, Deduct	-50.22	
		For >20 To 40, Deduct	-92.84	
		For >40, Deduct	-193.29	
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,654.75	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	118.68	
		For >10 To 20, Deduct	-53.24	
		For >20 To 40, Deduct	-98.56	
		For >40, Deduct	-205.04	
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,186.95	287.85
		For Bronze, Satin Or Black Anodized Finish, Add	91.69	
		For >10 To 20, Deduct	-38.84	
		For >20 To 40, Deduct	-71.57	
		For >40, Deduct	-149.26	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,304.87	323.82
		For Bronze, Satin Or Black Anodized Finish, Add	98.58	
		For >10 To 20, Deduct	-42.48	
		For >20 To 40, Deduct	-78.39	
		For >40, Deduct	-163.35	
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,428.67	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	106.36	
		For >10 To 20, Deduct	-46.35	
		For >20 To 40, Deduct	-85.61	
		For >40, Deduct	-178.32	
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,540.73	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	112.37	
		For >10 To 20, Deduct	-49.76	
		For >20 To 40, Deduct	-92.02	
		For >40, Deduct	-191.53	
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,659.64	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	119.42	
		For >10 To 20, Deduct	-53.43	
		For >20 To 40, Deduct	-98.90	
		For >40, Deduct	-205.77	
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,492.24	359.80
		For Bronze, Satin Or Black Anodized Finish, Add	115.89	
		For >10 To 20, Deduct	-48.90	
		For >20 To 40, Deduct	-90.06	
		For >40, Deduct	-187.86	
26 56 13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,623.86	395.78
		For Bronze, Satin Or Black Anodized Finish, Add	124.84	
		For >10 To 20, Deduct	-53.08	
		For >20 To 40, Deduct	-97.84	
		For >40, Deduct	-204.00	
26 56 13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,731.03	431.76
		For Bronze, Satin Or Black Anodized Finish, Add	130.12	
		For >10 To 20, Deduct	-56.29	
		For >20 To 40, Deduct	-103.90	
		For >40, Deduct	-216.48	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0354)

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	649.29	179.91
		For Bronze Or Satin Anodized Finish, Add	28.95	
		For Black Anodized Finish, Add	57.90	
		For >10 To 20, Deduct	-20.57	
		For >20 To 40, Deduct	-38.25	
		For >40, Deduct	-79.40	
26 56 13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	676.68	179.91
		For Bronze Or Satin Anodized Finish, Add	31.69	
		For Black Anodized Finish, Add	63.38	
		For >10 To 20, Deduct	-21.67	
		For >20 To 40, Deduct	-40.17	
		For >40, Deduct	-83.51	
26 56 13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	735.15	197.89
		For Bronze Or Satin Anodized Finish, Add	33.94	
		For Black Anodized Finish, Add	67.87	
		For >10 To 20, Deduct	-23.47	
		For >20 To 40, Deduct	-43.54	
		For >40, Deduct	-90.48	
26 56 13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	786.78	215.89
		For Bronze Or Satin Anodized Finish, Add	35.50	
		For Black Anodized Finish, Add	71.00	
		For >10 To 20, Deduct	-24.99	
		For >20 To 40, Deduct	-46.44	
		For >40, Deduct	-96.43	
26 56 13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	821.99	215.89
		For Bronze Or Satin Anodized Finish, Add	39.02	
		For Black Anodized Finish, Add	78.05	
		For >10 To 20, Deduct	-26.40	
		For >20 To 40, Deduct	-48.90	
		For >40, Deduct	-101.71	
26 56 13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	761.56	197.89
		For Bronze Or Satin Anodized Finish, Add	36.58	
		For Black Anodized Finish, Add	73.16	
		For >10 To 20, Deduct	-24.53	
		For >20 To 40, Deduct	-45.39	
		For >40, Deduct	-94.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0461	EA	14'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	824.92	215.89
			For Bronze Or Satin Anodized Finish, Add	39.32	
			For Black Anodized Finish, Add	78.63	
			For >10 To 20, Deduct	-26.52	
			For >20 To 40, Deduct	-49.11	
			For >40, Deduct	-102.15	
26 56 13 00-0462	EA	16'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	844.48	215.89
			For Bronze Or Satin Anodized Finish, Add	41.27	
			For Black Anodized Finish, Add	82.54	
			For >10 To 20, Deduct	-27.30	
			For >20 To 40, Deduct	-50.48	
			For >40, Deduct	-105.08	
26 56 13 00-0463	EA	18'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	911.76	233.87
			For Bronze Or Satin Anodized Finish, Add	44.40	
			For Black Anodized Finish, Add	88.80	
			For >10 To 20, Deduct	-29.45	
			For >20 To 40, Deduct	-54.47	
			For >40, Deduct	-113.38	
26 56 13 00-0464	EA	20'	High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	975.13	251.87
			For Bronze Or Satin Anodized Finish, Add	47.14	
			For Black Anodized Finish, Add	94.28	
			For >10 To 20, Deduct	-31.45	
			For >20 To 40, Deduct	-58.18	
			For >40, Deduct	-121.08	
26 56 13 00-0465	EA	16'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	901.20	215.89
			For Bronze Or Satin Anodized Finish, Add	46.94	
			For Black Anodized Finish, Add	93.89	
			For >10 To 20, Deduct	-29.57	
			For >20 To 40, Deduct	-54.45	
			For >40, Deduct	-113.59	
26 56 13 00-0466	EA	18'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	974.35	233.87
			For Bronze Or Satin Anodized Finish, Add	50.66	
			For Black Anodized Finish, Add	101.32	
			For >10 To 20, Deduct	-31.96	
			For >20 To 40, Deduct	-58.85	
			For >40, Deduct	-122.77	
26 56 13 00-0467	EA	20'	High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,042.61	251.87
			For Bronze Or Satin Anodized Finish, Add	53.89	
			For Black Anodized Finish, Add	107.78	
			For >10 To 20, Deduct	-34.15	
			For >20 To 40, Deduct	-62.91	
			For >40, Deduct	-131.21	
26 56 13 00-0468	EA	18'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,054.55	233.87
			For Bronze Or Satin Anodized Finish, Add	58.68	
			For Black Anodized Finish, Add	117.36	
			For >10 To 20, Deduct	-35.17	
			For >20 To 40, Deduct	-64.46	
			For >40, Deduct	-134.80	
26 56 13 00-0469	EA	25'	High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,345.38	287.85
			For Bronze Or Satin Anodized Finish, Add	76.97	
			For Black Anodized Finish, Add	153.94	
			For >10 To 20, Deduct	-45.18	
			For >20 To 40, Deduct	-82.66	
			For >40, Deduct	-173.02	
26 56 13 00-0470	EA	25'	High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,455.90	287.85
			For Bronze Or Satin Anodized Finish, Add	88.02	
			For Black Anodized Finish, Add	176.04	
			For >10 To 20, Deduct	-49.60	
			For >20 To 40, Deduct	-90.40	
			For >40, Deduct	-189.60	
26 56 13 00-0471	EA	30'	High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,622.73	323.82
			For Bronze Or Satin Anodized Finish, Add	97.51	
			For Black Anodized Finish, Add	195.02	
			For >10 To 20, Deduct	-55.19	
			For >20 To 40, Deduct	-100.64	
			For >40, Deduct	-211.03	
26 56 13 00-0472	EA	30'	High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,743.02	323.82
			For Bronze Or Satin Anodized Finish, Add	109.54	
			For Black Anodized Finish, Add	219.07	
			For >10 To 20, Deduct	-60.01	
			For >20 To 40, Deduct	-109.06	
			For >40, Deduct	-229.07	
26 56 13 00-0473			Square Straight, Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0474			Square Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0473)		
26 56 13 00-0475	EA	8'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	835.68	215.89
			For Bronze Or Satin Anodized Finish, Add	40.39	
			For Black Anodized Finish, Add	80.78	
			For >10 To 20, Deduct	-26.95	
			For >20 To 40, Deduct	-49.86	
			For >40, Deduct	-103.76	
26 56 13 00-0476	EA	10'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	928.19	251.87
			For Bronze Or Satin Anodized Finish, Add	42.45	
			For Black Anodized Finish, Add	84.89	
			For >10 To 20, Deduct	-29.57	
			For >20 To 40, Deduct	-54.90	
			For >40, Deduct	-114.04	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,028.51	287.85	
		For Bronze Or Satin Anodized Finish, Add	45.28		
		For Black Anodized Finish, Add	90.56		
		For >10 To 20, Deduct	-32.51		
		For >20 To 40, Deduct	-60.48		
		For >40, Deduct	-125.49		
26 56 13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,127.85	323.82	
		For Bronze Or Satin Anodized Finish, Add	48.02		
		For Black Anodized Finish, Add	96.04		
		For >10 To 20, Deduct	-35.40		
		For >20 To 40, Deduct	-66.00		
		For >40, Deduct	-136.80		
26 56 13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,181.44	341.82	
		For Bronze Or Satin Anodized Finish, Add	49.78		
		For Black Anodized Finish, Add	99.56		
		For >10 To 20, Deduct	-37.00		
		For >20 To 40, Deduct	-69.03		
		For >40, Deduct	-143.03		
26 56 13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,235.02	359.80	
		For Bronze Or Satin Anodized Finish, Add	51.54		
		For Black Anodized Finish, Add	103.08		
		For >10 To 20, Deduct	-38.61		
		For >20 To 40, Deduct	-72.06		
		For >40, Deduct	-149.27		
26 56 13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,340.23	395.78	
		For Bronze Or Satin Anodized Finish, Add	54.87		
		For Black Anodized Finish, Add	109.73		
		For >10 To 20, Deduct	-41.74		
		For >20 To 40, Deduct	-77.98		
		For >40, Deduct	-161.46		
26 56 13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,454.26	431.76	
		For Bronze Or Satin Anodized Finish, Add	59.07		
		For Black Anodized Finish, Add	118.14		
		For >10 To 20, Deduct	-45.22		
		For >20 To 40, Deduct	-84.53		
		For >40, Deduct	-174.96		
26 56 13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,302.50	359.80	
		For Bronze Or Satin Anodized Finish, Add	58.29		
		For Black Anodized Finish, Add	116.58		
		For >10 To 20, Deduct	-41.31		
		For >20 To 40, Deduct	-76.78		
		For >40, Deduct	-159.39		
26 56 13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,409.67	395.78	
		For Bronze Or Satin Anodized Finish, Add	61.81		
		For Black Anodized Finish, Add	123.62		
		For >10 To 20, Deduct	-44.51		
		For >20 To 40, Deduct	-82.85		
		For >40, Deduct	-171.87		
26 56 13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,529.56	431.76	
		For Bronze Or Satin Anodized Finish, Add	66.60		
		For Black Anodized Finish, Add	133.20		
		For >10 To 20, Deduct	-48.23		
		For >20 To 40, Deduct	-89.80		
		For >40, Deduct	-186.26		
26 56 13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,474.84	341.82	
		For Bronze Or Satin Anodized Finish, Add	79.12		
		For Black Anodized Finish, Add	158.24		
		For >10 To 20, Deduct	-48.74		
		For >20 To 40, Deduct	-89.57		
		For >40, Deduct	-187.04		
26 56 13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,810.25	431.76	
		For Bronze Or Satin Anodized Finish, Add	94.67		
		For Black Anodized Finish, Add	189.34		
		For >10 To 20, Deduct	-59.46		
		For >20 To 40, Deduct	-109.45		
		For >40, Deduct	-228.36		
26 56 13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,220.34	575.69	
		For Bronze Or Satin Anodized Finish, Add	106.90		
		For Black Anodized Finish, Add	213.79		
		For >10 To 20, Deduct	-71.54		
		For >20 To 40, Deduct	-132.40		
		For >40, Deduct	-275.48		
26 56 13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,590.20	431.76	
		For Bronze Or Satin Anodized Finish, Add	72.67		
		For Black Anodized Finish, Add	145.33		
		For >10 To 20, Deduct	-50.65		
		For >20 To 40, Deduct	-94.04		
		For >40, Deduct	-195.35		
26 56 13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,928.59	431.76	
		For Bronze Or Satin Anodized Finish, Add	106.51		
		For Black Anodized Finish, Add	213.01		
		For >10 To 20, Deduct	-64.19		
		For >20 To 40, Deduct	-117.73		
		For >40, Deduct	-246.11		
26 56 13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,327.93	575.69	
		For Bronze Or Satin Anodized Finish, Add	117.66		
		For Black Anodized Finish, Add	235.31		
		For >10 To 20, Deduct	-75.85		
		For >20 To 40, Deduct	-139.93		
		For >40, Deduct	-291.62		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0492	EA	20'	High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,114.41 125.09 250.17 -71.62 -130.74 -273.98	431.76
26 56 13 00-0493	EA	25'	High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,570.47 141.91 283.82 -85.55 -156.91 -328.00	575.69
26 56 13 00-0494	EA	30'	High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	2,966.72 167.14 334.28 -99.24 -181.76 -380.24	647.65
26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0473)					
Note: Includes rubberized undercoating on embedded portion.					
26 56 13 00-0496	EA	10'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	745.14 38.53 77.07 -24.41 -44.96 -93.78	179.91
26 56 13 00-0497	EA	12'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	830.99 43.52 87.04 -27.30 -50.25 -104.86	197.89
26 56 13 00-0498	EA	14'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	887.51 45.58 91.15 -29.02 -53.49 -111.54	215.89
26 56 13 00-0499	EA	15'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	911.96 48.02 96.04 -30.00 -55.20 -115.21	215.89
26 56 13 00-0500	EA	16'	High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	942.28 51.05 102.10 -31.21 -57.32 -119.75	215.89
26 56 13 00-0501	EA	18'	High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,081.93 61.42 122.84 -36.26 -66.38 -138.90	233.87
26 56 13 00-0502	EA	20'	High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,159.97 65.62 131.25 -38.84 -71.12 -148.81	251.87
26 56 13 00-0503	EA	20'	High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,313.52 80.98 161.96 -44.98 -81.87 -171.84	251.87
26 56 13 00-0504	EA	25'	High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,508.71 93.30 186.60 -51.71 -94.10 -197.52	287.85
26 56 13 00-0505	EA	25'	High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial For Bronze Or Satin Anodized Finish, Add For Black Anodized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,851.99 127.63 255.26 -65.44 -118.13 -249.01	287.85
26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0294)					
26 56 13 00-0507	EA	1/2", 3/4" Or 1"	Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles.....	84.58	
26 56 13 00-0508	EA		Extra Handhole For Aluminum Area Light Poles	36.45	
26 56 13 00-0509	EA		Vibration Dampener For Aluminum Area Light Poles	127.96	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0510	Fiberglass Area Light Poles (26 56 13 00-0177)		
	Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511	Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0510)		
26 56 13 00-0512	Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0511)		
26 56 13 00-0513	EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,284.68	251.87
	For >10 To 20, Deduct	-43.83	
	For >20 To 40, Deduct	-79.85	
	For >40, Deduct	-167.52	
26 56 13 00-0514	EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,403.12	287.85
	For >10 To 20, Deduct	-47.49	
	For >20 To 40, Deduct	-86.70	
	For >40, Deduct	-181.68	
26 56 13 00-0515	EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,522.89	323.82
	For >10 To 20, Deduct	-51.20	
	For >20 To 40, Deduct	-93.65	
	For >40, Deduct	-196.05	
26 56 13 00-0516	EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,641.34	359.80
	For >10 To 20, Deduct	-54.86	
	For >20 To 40, Deduct	-100.50	
	For >40, Deduct	-210.22	
26 56 13 00-0517	EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,783.69	395.78
	For >10 To 20, Deduct	-59.47	
	For >20 To 40, Deduct	-109.03	
	For >40, Deduct	-227.98	
26 56 13 00-0518	EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,904.80	431.76
	For >10 To 20, Deduct	-63.24	
	For >20 To 40, Deduct	-116.07	
	For >40, Deduct	-242.54	
26 56 13 00-0519	EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,096.52	503.73
	For >10 To 20, Deduct	-68.75	
	For >20 To 40, Deduct	-126.61	
	For >40, Deduct	-264.11	
26 56 13 00-0520	EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,286.94	575.69
	For >10 To 20, Deduct	-74.21	
	For >20 To 40, Deduct	-137.06	
	For >40, Deduct	-285.47	
26 56 13 00-0521	EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,394.52	575.69
	For >10 To 20, Deduct	-78.51	
	For >20 To 40, Deduct	-144.59	
	For >40, Deduct	-301.61	
26 56 13 00-0522	EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,560.78	611.67
	For >10 To 20, Deduct	-84.08	
	For >20 To 40, Deduct	-154.79	
	For >40, Deduct	-322.95	
26 56 13 00-0523	EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,727.03	647.65
	For >10 To 20, Deduct	-89.65	
	For >20 To 40, Deduct	-164.99	
	For >40, Deduct	-344.29	
26 56 13 00-0524	EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,406.87	251.87
	For >10 To 20, Deduct	-48.72	
	For >20 To 40, Deduct	-88.41	
	For >40, Deduct	-185.84	
26 56 13 00-0525	EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,501.40	287.85
	For >10 To 20, Deduct	-51.42	
	For >20 To 40, Deduct	-93.58	
	For >40, Deduct	-196.43	
26 56 13 00-0526	EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,597.27	323.82
	For >10 To 20, Deduct	-54.18	
	For >20 To 40, Deduct	-98.86	
	For >40, Deduct	-207.21	
26 56 13 00-0527	EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,695.79	359.80
	For >10 To 20, Deduct	-57.04	
	For >20 To 40, Deduct	-104.31	
	For >40, Deduct	-218.39	
26 56 13 00-0528	EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,800.96	395.78
	For >10 To 20, Deduct	-60.16	
	For >20 To 40, Deduct	-110.24	
	For >40, Deduct	-230.57	
26 56 13 00-0529	EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,904.80	431.76
	For >10 To 20, Deduct	-63.24	
	For >20 To 40, Deduct	-116.07	
	For >40, Deduct	-242.54	
26 56 13 00-0530	EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,080.59	503.73
	For >10 To 20, Deduct	-68.11	
	For >20 To 40, Deduct	-125.49	
	For >40, Deduct	-261.72	
26 56 13 00-0531	EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,286.94	575.69
	For >10 To 20, Deduct	-74.21	
	For >20 To 40, Deduct	-137.06	
	For >40, Deduct	-285.47	
26 56 13 00-0532	EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,332.10	575.69
	For >10 To 20, Deduct	-76.01	
	For >20 To 40, Deduct	-140.22	
	For >40, Deduct	-292.25	
26 56 13 00-0533	EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,450.54	611.67
	For >10 To 20, Deduct	-79.67	
	For >20 To 40, Deduct	-147.07	
	For >40, Deduct	-306.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0534	EA	30'	High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,568.99	647.65
			For >10 To 20, Deduct	-83.33	
			For >20 To 40, Deduct	-153.92	
			For >40, Deduct	-320.58	
26 56 13 00-0535	EA	10'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,586.16	251.87
			For >10 To 20, Deduct	-55.89	
			For >20 To 40, Deduct	-100.96	
			For >40, Deduct	-212.74	
26 56 13 00-0536	EA	12'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,699.30	287.85
			For >10 To 20, Deduct	-59.34	
			For >20 To 40, Deduct	-107.44	
			For >40, Deduct	-226.11	
26 56 13 00-0537	EA	14'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,812.43	323.82
			For >10 To 20, Deduct	-62.78	
			For >20 To 40, Deduct	-113.92	
			For >40, Deduct	-239.48	
26 56 13 00-0538	EA	16'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,926.89	359.80
			For >10 To 20, Deduct	-66.28	
			For >20 To 40, Deduct	-120.49	
			For >40, Deduct	-253.05	
26 56 13 00-0539	EA	18'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,046.66	395.78
			For >10 To 20, Deduct	-69.99	
			For >20 To 40, Deduct	-127.43	
			For >40, Deduct	-267.42	
26 56 13 00-0540	EA	20'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,174.41	431.76
			For >10 To 20, Deduct	-74.02	
			For >20 To 40, Deduct	-134.94	
			For >40, Deduct	-282.98	
26 56 13 00-0541	EA	22'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,386.06	503.73
			For >10 To 20, Deduct	-80.33	
			For >20 To 40, Deduct	-146.88	
			For >40, Deduct	-307.54	
26 56 13 00-0542	EA	24'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,599.05	575.69
			For >10 To 20, Deduct	-86.69	
			For >20 To 40, Deduct	-158.91	
			For >40, Deduct	-332.29	
26 56 13 00-0543	EA	26'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,668.12	575.69
			For >10 To 20, Deduct	-89.45	
			For >20 To 40, Deduct	-163.74	
			For >40, Deduct	-342.65	
26 56 13 00-0544	EA	28'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,848.98	611.67
			For >10 To 20, Deduct	-95.61	
			For >20 To 40, Deduct	-174.96	
			For >40, Deduct	-366.18	
26 56 13 00-0545	EA	30'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,999.30	647.65
			For >10 To 20, Deduct	-100.54	
			For >20 To 40, Deduct	-184.05	
			For >40, Deduct	-385.13	
26 56 13 00-0546	EA	32'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,113.64	665.64
			For >10 To 20, Deduct	-104.58	
			For >20 To 40, Deduct	-191.33	
			For >40, Deduct	-400.48	
26 56 13 00-0547	EA	34'	High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,227.98	683.63
			For >10 To 20, Deduct	-108.61	
			For >20 To 40, Deduct	-198.61	
			For >40, Deduct	-415.83	
26 56 13 00-0548			Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0511)		
26 56 13 00-0549	EA	10'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	806.06	179.91
			For >10 To 20, Deduct	-26.85	
			For >20 To 40, Deduct	-49.23	
			For >40, Deduct	-102.92	
26 56 13 00-0550	EA	12'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	867.27	197.89
			For >10 To 20, Deduct	-28.75	
			For >20 To 40, Deduct	-52.79	
			For >40, Deduct	-110.30	
26 56 13 00-0551	EA	14'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	927.16	215.89
			For >10 To 20, Deduct	-30.61	
			For >20 To 40, Deduct	-56.27	
			For >40, Deduct	-117.49	
26 56 13 00-0552	EA	16'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	949.73	215.89
			For >10 To 20, Deduct	-31.51	
			For >20 To 40, Deduct	-57.85	
			For >40, Deduct	-120.87	
26 56 13 00-0553	EA	18'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,022.90	233.87
			For >10 To 20, Deduct	-33.90	
			For >20 To 40, Deduct	-62.25	
			For >40, Deduct	-130.05	
26 56 13 00-0554	EA	20'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,085.46	251.87
			For >10 To 20, Deduct	-35.86	
			For >20 To 40, Deduct	-65.91	
			For >40, Deduct	-137.63	
26 56 13 00-0555	EA	22'	High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,151.98	269.85
			For >10 To 20, Deduct	-37.98	
			For >20 To 40, Deduct	-69.84	
			For >40, Deduct	-145.81	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 13 00-0556	EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,225.15	287.85
	For >10 To 20, Deduct	-40.37	
	For >20 To 40, Deduct	-74.25	
	For >40, Deduct	-154.99	
26 56 13 00-0557	EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,352.65	287.85
	For >10 To 20, Deduct	-45.47	
	For >20 To 40, Deduct	-83.17	
	For >40, Deduct	-174.11	
26 56 13 00-0558	EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,516.13	305.83
	For >10 To 20, Deduct	-51.47	
	For >20 To 40, Deduct	-93.90	
	For >40, Deduct	-196.84	
26 56 13 00-0559	EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,679.61	323.82
	For >10 To 20, Deduct	-57.47	
	For >20 To 40, Deduct	-104.62	
	For >40, Deduct	-219.56	
26 56 13 00-0560	EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	928.24	179.91
	For >10 To 20, Deduct	-31.73	
	For >20 To 40, Deduct	-57.78	
	For >40, Deduct	-121.25	
26 56 13 00-0561	EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	996.10	197.89
	For >10 To 20, Deduct	-33.91	
	For >20 To 40, Deduct	-61.81	
	For >40, Deduct	-129.63	
26 56 13 00-0562	EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,063.95	215.89
	For >10 To 20, Deduct	-36.08	
	For >20 To 40, Deduct	-65.84	
	For >40, Deduct	-138.00	
26 56 13 00-0563	EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,097.16	215.89
	For >10 To 20, Deduct	-37.41	
	For >20 To 40, Deduct	-68.17	
	For >40, Deduct	-142.99	
26 56 13 00-0564	EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,165.01	233.87
	For >10 To 20, Deduct	-39.58	
	For >20 To 40, Deduct	-72.20	
	For >40, Deduct	-151.36	
26 56 13 00-0565	EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,232.88	251.87
	For >10 To 20, Deduct	-41.76	
	For >20 To 40, Deduct	-76.23	
	For >40, Deduct	-159.75	
26 56 13 00-0566	EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,300.73	269.85
	For >10 To 20, Deduct	-43.93	
	For >20 To 40, Deduct	-80.26	
	For >40, Deduct	-168.12	
26 56 13 00-0567	EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,399.14	287.85
	For >10 To 20, Deduct	-47.33	
	For >20 To 40, Deduct	-86.43	
	For >40, Deduct	-181.09	
26 56 13 00-0568	EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,522.65	287.85
	For >10 To 20, Deduct	-52.27	
	For >20 To 40, Deduct	-95.07	
	For >40, Deduct	-199.61	
26 56 13 00-0569	EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,683.48	305.83
	For >10 To 20, Deduct	-58.16	
	For >20 To 40, Deduct	-105.61	
	For >40, Deduct	-221.94	
26 56 13 00-0570	EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,842.98	323.82
	For >10 To 20, Deduct	-64.00	
	For >20 To 40, Deduct	-116.06	
	For >40, Deduct	-244.06	
26 56 13 00-0571	EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,035.82	179.91
	For >10 To 20, Deduct	-36.04	
	For >20 To 40, Deduct	-65.31	
	For >40, Deduct	-137.38	
26 56 13 00-0572	EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,095.71	197.89
	For >10 To 20, Deduct	-37.89	
	For >20 To 40, Deduct	-68.78	
	For >40, Deduct	-144.57	
26 56 13 00-0573	EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,154.27	215.89
	For >10 To 20, Deduct	-39.69	
	For >20 To 40, Deduct	-72.16	
	For >40, Deduct	-151.55	
26 56 13 00-0574	EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,176.85	215.89
	For >10 To 20, Deduct	-40.60	
	For >20 To 40, Deduct	-73.74	
	For >40, Deduct	-154.94	
26 56 13 00-0575	EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,235.40	233.87
	For >10 To 20, Deduct	-42.40	
	For >20 To 40, Deduct	-77.12	
	For >40, Deduct	-161.92	
26 56 13 00-0576	EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,295.30	251.87
	For >10 To 20, Deduct	-44.26	
	For >20 To 40, Deduct	-80.60	
	For >40, Deduct	-169.11	
26 56 13 00-0577	EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,400.34	269.85
	For >10 To 20, Deduct	-47.92	
	For >20 To 40, Deduct	-87.23	
	For >40, Deduct	-183.07	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,521.33 -52.22 -94.98 -199.42	287.85
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,598.36 -55.30 -100.37 -210.97	287.85
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,712.70 -59.33 -107.66 -226.32	305.83
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	1,827.04 -63.37 -114.94 -241.67	323.82
26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)				
26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	47.09	
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	47.09	
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	89.35	
26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	118.33	
26 56 13 00-0587 Concrete Area Light Poles (26 56 13 00-0177)				
26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)				
26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,420.99	611.67
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,552.83	647.65
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,647.30	665.64
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,273.47	683.63
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,631.35	719.61
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,500.28	935.49
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,395.18	1,151.38
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,166.42	611.67
Note: Polished brown with acrylic coating finish.				
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,955.31	647.65
Note: Polished brown with acrylic coating finish.				
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	725.00	215.89
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	3,094.84	431.62
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	280.86	88.08
26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	576.31	176.16
26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)				
Note: Round or square.				
26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,554.06	287.85
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,890.39	359.80
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,196.01	431.76
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,459.02	647.65
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,133.95	683.63
26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,863.37	719.61
26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	6,809.82	935.49
26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)				
26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	19,232.32	1,619.12
26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	22,940.43	2,000.41
26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	27,220.50	2,702.31
26 56 13 00-0614 Treated Wood Area Light Poles (26 56 13 00-0177)				
See CSI section 26 05 46 00-0001 for wood poles.				
26 56 13 00-0615 Cast Iron Decorative Light Posts (26 56 13 00-0177)				
26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0615)				
Note: As manufactured by Hadco and King Luminaries or an approved equal.				
26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,361.55	179.91
26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,442.84	207.25
26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,561.10	215.89
26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,912.74	251.87
26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,225.76	273.45
26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,553.51	295.04
26 56 13 00-0623 Landscape Light Poles (26 56 13 00-0001)				
Note: Excludes lighting fixtures.				
26 56 13 00-0624 Aluminum Landscape Light Poles (26 56 13 00-0623)				
Note: Includes painted finish.				
26 56 13 00-0625 Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0624)				
26 56 13 00-0626 Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0625)				
26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	518.79	215.89
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	851.14	287.85

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0629			Round Straight, Aluminum Landscape Light Poles, Direct Burial (26 56 13 00-0629)		
26 56 13 00-0630	EA		7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	477.83	215.89
26 56 13 00-0631	EA		12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	810.18	287.85
26 56 13 00-0632			Steel Landscape Light Poles (26 56 13 00-0623)		
			Note: Includes painted finish.		
26 56 13 00-0633			Round Straight, Steel Landscape Light Poles (26 56 13 00-0632)		
26 56 13 00-0634			Round Straight, Steel Landscape Light Poles, Anchor Base (26 56 13 00-0633)		
26 56 13 00-0635	EA		6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	576.17	215.89
26 56 13 00-0636			Round Straight, Steel Landscape Light Poles, Direct Burial (26 56 13 00-0633)		
26 56 13 00-0637	EA		6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	543.82	215.89
26 56 13 00-0638			Light Pole Brackets And Arms (26 56 13 00-0001)		
26 56 13 00-0639			Light Pole Brackets (26 56 13 00-0638)		
26 56 13 00-0640			Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0641			Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0642			Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641)		
			Note: Includes powdercoat finish.		
26 56 13 00-0643	EA		Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	665.46	43.17
			For Galvanized Finish, Add	57.91	
26 56 13 00-0644	EA		Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	840.18	43.17
			For Galvanized Finish, Add	75.38	
26 56 13 00-0645	EA		Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	893.51	43.17
			For Galvanized Finish, Add	80.72	
26 56 13 00-0646	EA		Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,222.72	43.17
			For Galvanized Finish, Add	113.64	
26 56 13 00-0647	EA		Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,273.99	43.17
			For Galvanized Finish, Add	118.76	
26 56 13 00-0648			Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641)		
			Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA		Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	245.78	43.17
			For Bronze Or Satin Anodized Finish, Add	15.94	
			For Black Anodized Finish, Add	31.88	
26 56 13 00-0650	EA		Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	296.63	43.17
			For Bronze Or Satin Anodized Finish, Add	21.03	
			For Black Anodized Finish, Add	42.05	
26 56 13 00-0651	EA		Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	310.32	43.17
			For Bronze Or Satin Anodized Finish, Add	22.40	
			For Black Anodized Finish, Add	44.79	
26 56 13 00-0652	EA		Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	358.25	43.17
			For Bronze Or Satin Anodized Finish, Add	27.19	
			For Black Anodized Finish, Add	54.38	
26 56 13 00-0653	EA		Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	368.03	43.17
			For Bronze Or Satin Anodized Finish, Add	28.17	
			For Black Anodized Finish, Add	56.33	
26 56 13 00-0654			Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0655			Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0654)		
			Note: Includes powdercoat finish.		
26 56 13 00-0656	EA		Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	715.35	43.17
			For Galvanized Finish, Add	62.90	
26 56 13 00-0657	EA		Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	882.71	43.17
			For Galvanized Finish, Add	79.64	
26 56 13 00-0658	EA		Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,079.27	43.17
			For Galvanized Finish, Add	99.29	
26 56 13 00-0659	EA		Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,276.74	43.17
			For Galvanized Finish, Add	119.04	
26 56 13 00-0660			Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0661			Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0660)		
			Note: Includes powdercoat finish.		
26 56 13 00-0662	EA		One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	679.57	71.96
26 56 13 00-0663	EA		Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,022.11	71.96
26 56 13 00-0664	EA		Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,427.41	71.96
26 56 13 00-0665	EA		Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,560.75	71.96
26 56 13 00-0666			Light Pole Arms (26 56 13 00-0638)		
26 56 13 00-0667			Wood Pole Streetlight Arms (26 56 13 00-0666)		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0668		Steel, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	396.67	64.76
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	420.02	71.96
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	487.51	89.95
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	584.16	71.96
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	651.19	89.95
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	790.39	107.94
26 56 13 00-0675		Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0667)		
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	253.43	71.96
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	309.60	71.96
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	412.32	89.95
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	538.30	107.94
26 56 13 00-0680		Area Light Arms (26 56 13 00-0666)		
26 56 13 00-0681		Steel Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	754.65	71.96
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,181.78	79.15
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,313.06	86.36
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,558.87	93.55
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	900.39	89.95
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,284.55	97.15
26 56 13 00-0688		Aluminum Area Light Arms (26 56 13 00-0680)		
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	303.34	71.96
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	374.53	89.95
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	447.68	107.94
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	301.38	71.96
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	421.40	79.15
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	370.62	89.95
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	514.10	97.15
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	449.63	107.94
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	623.43	115.14
26 56 13 00-0698		Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		
Note: Includes storage, cleaning and supply materials.				
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms.....	2,374.95	
26 56 13 00-0700		High Mast Lighting (26 56 13 00-0001)		
26 56 13 00-0701		High Mast Lighting Assemblies (26 56 13 00-0700)		
Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures.				
26 56 13 00-0702	EA	60' High Mast Lighting Assembly.....	58,912.26	2,220.53
26 56 13 00-0703	EA	70' High Mast Lighting Assembly.....	62,230.19	2,325.68
26 56 13 00-0704	EA	80' High Mast Lighting Assembly.....	65,584.16	2,477.57
26 56 13 00-0705	EA	90' High Mast Lighting Assembly.....	68,972.14	2,676.21
26 56 13 00-0706	EA	100' High Mast Lighting Assembly.....	72,378.63	2,921.49
26 56 13 00-0707	EA	110' High Mast Lighting Assembly.....	76,762.27	3,213.86
26 56 13 00-0708	EA	120' High Mast Lighting Assembly.....	80,302.70	3,505.99
26 56 13 00-0709	EA	130' High Mast Lighting Assembly.....	83,571.93	3,798.13
26 56 13 00-0710	EA	140' High Mast Lighting Assembly.....	87,112.35	4,090.39
26 56 13 00-0711	EA	150' High Mast Lighting Assembly.....	91,420.18	4,382.53
26 56 13 00-0712		High Mast Light Poles (26 56 13 00-0700)		
26 56 13 00-0713	EA	60' High Mast Light Poles.....	22,378.55	1,333.61
26 56 13 00-0714	EA	70' High Mast Light Poles.....	25,664.89	1,396.78
26 56 13 00-0715	EA	80' High Mast Light Poles.....	28,973.23	1,488.03
26 56 13 00-0716	EA	90' High Mast Light Poles.....	32,301.56	1,607.35
26 56 13 00-0717	EA	100' High Mast Light Poles.....	35,651.90	1,754.75
26 56 13 00-0718	EA	110' High Mast Light Poles.....	39,024.24	1,930.22
26 56 13 00-0719	EA	120' High Mast Light Poles.....	41,572.92	2,105.71
26 56 13 00-0720	EA	130' High Mast Light Poles.....	41,567.23	3,902.57
26 56 13 00-0721	EA	140' High Mast Light Poles.....	46,397.08	2,456.65
26 56 13 00-0722	EA	150' High Mast Light Poles.....	49,218.99	2,632.12
26 56 13 00-0723		High Mast Lighting Accessories (26 56 13 00-0700)		
See CSI section 26 55 13 00-0119 for lighting fixtures, 26 56 21 00-0001 for light fixtures.				
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting.....	1,035.89	
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting.....	2,933.84	
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting.....	2,221.97	
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting.....	933.56	
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting.....	1,738.59	
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting.....	19,003.09	
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting.....	19,112.10	

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0731			Concrete Bases (26 56 13 00-0001)		
26 56 13 00-0732			Concrete Bases, Cast In Place (26 56 13 00-0731)		
			Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733	EA		Cast In Place Concrete Base For Poles Minimum Charge	389.73	
			Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
26 56 13 00-0734	VLF		1-1/2' Diameter Concrete Base For Poles	64.91	
26 56 13 00-0735	VLF		2' Diameter Concrete Base For Poles	92.29	
26 56 13 00-0736	VLF		2-1/2' Diameter Concrete Base For Poles	125.59	
26 56 13 00-0737	VLF		3' Diameter Concrete Base For Poles	165.98	
26 56 13 00-0738	VLF		3-1/2' Diameter Concrete Base For Poles	223.23	
26 56 13 00-0739	VLF		4' Diameter Concrete Base For Poles	281.60	
26 56 13 00-0740	VLF		5' Diameter Concrete Base For Poles	410.21	
26 56 13 00-0741	VLF		6' Diameter Concrete Base For Poles	565.25	

26 56 18 Incandescent Exterior Lighting (26 56)

26 56 18 00-0001			Exterior Globe (26 56 18)		
26 56 18 00-0002			Incandescent, Exterior Globe (26 56 18 00-0001)		
26 56 18 00-0003	EA		100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	62.59	23.70
26 56 18 00-0004	EA		150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	94.34	23.70
26 56 18 00-0005	EA		100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	72.55	23.70
26 56 18 00-0006	EA		150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	98.17	23.70

26 56 18 00-0007 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 18)

Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.

26 56 18 00-0008	EA		7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	278.17	94.76
26 56 18 00-0009	EA		9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	290.07	100.69
26 56 18 00-0010	EA		13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	319.26	106.61
26 56 18 00-0011	EA		75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	312.36	118.46
26 56 18 00-0012	EA		100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	351.22	136.23

26 56 19 LED Exterior Lighting (26 56)

26 56 19 00-0001			LED, Wall Packs (26 56 19)		
26 56 19 00-0002			Full Cutoff, LED Wall Packs (26 56 19 00-0001)		
26 56 19 00-0003			Full Cutoff, LED Wall Packs (Lithonia) (26 56 19 00-0002)		
26 56 19 00-0004	EA		30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,010.66	126.26
			For >50 To 100, Deduct	-50.53	
			For >100 To 250, Deduct	-75.80	
			For >250 To 500, Deduct	-120.02	
			For >500 To 1,000, Deduct	-164.24	
			For >1,000, Deduct	-208.46	
26 56 19 00-0005	EA		30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,092.96	126.26
			For >50 To 100, Deduct	-54.65	
			For >100 To 250, Deduct	-81.97	
			For >250 To 500, Deduct	-130.31	
			For >500 To 1,000, Deduct	-178.64	
			For >1,000, Deduct	-226.98	

26 56 19 00-0006 Full Cutoff, LED Wall Packs (CREE® BetaLED®) (26 56 19 00-0002)

26 56 19 00-0007 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) (26 56 19 00-0006)

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0008	EA		20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,038.02	122.65
			Note: Includes 350mA or 525mA driver.		
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Bird Spikes, Add	53.63	
			For Fuse, Add	65.65	
			For 0 To 10 Volt Dimming, Add	65.65	
			For 480 Volt, Add	98.48	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-51.90	
			For >100 To 250, Deduct	-77.85	
			For >250 To 500, Deduct	-123.62	
			For >500 To 1,000, Deduct	-169.39	
			For >1,000, Deduct	-215.16	

		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0009	EA		40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver. For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	1,339.68 21.88 54.35 65.65 65.65 98.48 142.23 -66.98 -100.48 -160.97 -221.46 -281.95	129.87
26 56 19 00-0010	EA		60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver. For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	1,502.47 21.88 55.07 65.65 65.65 98.48 142.23 -75.12 -112.69 -180.95 -249.22 -317.49	137.08
26 56 19 00-0011	EA		80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) Note: Includes 350mA or 525mA driver. For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	1,942.99 21.88 55.79 65.65 65.65 98.48 142.23 -97.15 -145.72 -235.66 -325.59 -415.53	144.29
26 56 19 00-0012	EA		100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	2,244.64 21.88 56.51 65.65 65.65 98.48 142.23 -112.23 -168.35 -273.00 -377.66 -482.32	151.51
26 56 19 00-0013	EA		120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	2,546.29 21.88 57.23 65.65 65.65 98.48 142.23 -127.31 -190.97 -310.35 -429.73 -549.11	158.72
26 56 19 00-0014			Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) 19 00-0008 Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0015	EA		25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For 0 To 10 Volt Dimming, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	611.51 21.88 65.65 65.65 -30.58 -45.86 -70.31 -94.75 -119.19	122.65
26 56 19 00-0016	EA		42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For 0 To 10 Volt Dimming, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	711.38 21.88 65.65 65.65 -35.57 -53.35 -82.43 -111.51 -140.58	129.87
26 56 19 00-0017			Full Cutoff, LED Wall Packs (McGraw-Edison) (26 56 19 00-0002)		
26 56 19 00-0018	EA		One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,338.91	122.65

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
26 56 19 00-0019	EA	Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,663.85		129.87
26 56 19 00-0020	EA	One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,354.90		122.65
26 56 19 00-0021	EA	Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,809.97		129.87
26 56 19 00-0022 Open Face LED Wall Pack (26 56 19 00-0001)					
Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass					
26 56 19 00-0023	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	748.18		129.66
		For >50 To 100, Deduct	-37.41		
		For >100 To 250, Deduct	-56.11		
		For >250 To 500, Deduct	-83.80		
		For >500 To 1,000, Deduct	-111.48		
		For >1,000, Deduct	-139.17		
26 56 19 00-0024	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	766.80		129.66
		For >50 To 100, Deduct	-38.34		
		For >100 To 250, Deduct	-57.51		
		For >250 To 500, Deduct	-86.13		
		For >500 To 1,000, Deduct	-114.74		
		For >1,000, Deduct	-143.36		
26 56 19 00-0025	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	806.85		129.66
		For >50 To 100, Deduct	-40.34		
		For >100 To 250, Deduct	-60.51		
		For >250 To 500, Deduct	-91.13		
		For >500 To 1,000, Deduct	-121.75		
		For >1,000, Deduct	-152.37		
26 56 19 00-0026	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	841.31		129.66
		For >50 To 100, Deduct	-42.07		
		For >100 To 250, Deduct	-63.10		
		For >250 To 500, Deduct	-95.44		
		For >500 To 1,000, Deduct	-127.78		
		For >1,000, Deduct	-160.12		
26 56 19 00-0027	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	902.50		129.66
		For >50 To 100, Deduct	-45.13		
		For >100 To 250, Deduct	-67.69		
		For >250 To 500, Deduct	-103.09		
		For >500 To 1,000, Deduct	-138.49		
		For >1,000, Deduct	-173.89		
26 56 19 00-0028 Wall Pack Accessories (26 56 19 00-0001)					
26 56 19 00-0029	EA	Photocell For Wall Pack	145.28		32.42
26 56 19 00-0030	EA	Wire Guard For Mini And Small Wall Pack	162.10		32.42
26 56 19 00-0031	EA	Wire Guard For Medium And Large Wall Pack	232.44		32.42
26 56 19 00-0032	EA	Clear Polycarbonate Vandal Guard For Wall Packs	333.94		32.42
26 56 19 00-0033	EA	Full Cutoff Visor For Wall Pack	157.51		32.42
26 56 19 00-0034 LED, Roadway Lighting (26 56 19)					
26 56 19 00-0035 LED Roadway Lighting (Philips Lumec) (26 56 19 00-0034)					
26 56 19 00-0036 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) (26 56 19 00-0035)					
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.					
26 56 19 00-0037	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,499.92		173.52
		For >50 To 100, Deduct	-75.00		
		For >100 To 250, Deduct	-112.49		
		For >250 To 500, Deduct	-178.81		
		For >500 To 1,000, Deduct	-245.13		
		For >1,000, Deduct	-311.45		
26 56 19 00-0038	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,323.51		178.20
		For >50 To 100, Deduct	-116.18		
		For >100 To 250, Deduct	-174.26		
		For >250 To 500, Deduct	-281.53		
		For >500 To 1,000, Deduct	-388.79		
		For >1,000, Deduct	-496.06		
26 56 19 00-0039 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) (26 56 19 00-0035)					
Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.					
26 56 19 00-0040	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	1,210.15		173.52
		For >50 To 100, Deduct	-60.51		
		For >100 To 250, Deduct	-90.76		
		For >250 To 500, Deduct	-142.59		
		For >500 To 1,000, Deduct	-194.42		
		For >1,000, Deduct	-246.26		
26 56 19 00-0041	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,296.46		173.52
		For >50 To 100, Deduct	-64.82		
		For >100 To 250, Deduct	-97.23		
		For >250 To 500, Deduct	-153.38		
		For >500 To 1,000, Deduct	-209.53		
		For >1,000, Deduct	-265.68		

		Electrical	26
		Lighting	26 50
		Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0042	EA		48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,382.77	173.52
			For >50 To 100, Deduct	-69.14	
			For >100 To 250, Deduct	-103.71	
			For >250 To 500, Deduct	-164.17	
			For >500 To 1,000, Deduct	-224.63	
			For >1,000, Deduct	-285.10	
26 56 19 00-0043			LED Roadway Lighting (Lithonia) (26 56 19 00-0034)		
26 56 19 00-0044			Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) (26 56 19 00-0043)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0045	EA		30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	2,430.72	164.13
			For >50 To 100, Deduct	-121.54	
			For >100 To 250, Deduct	-182.30	
			For >250 To 500, Deduct	-295.63	
			For >500 To 1,000, Deduct	-408.96	
			For >1,000, Deduct	-522.29	
26 56 19 00-0046	EA		60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	4,026.13	168.83
			For >50 To 100, Deduct	-201.31	
			For >100 To 250, Deduct	-301.96	
			For >250 To 500, Deduct	-494.83	
			For >500 To 1,000, Deduct	-687.69	
			For >1,000, Deduct	-880.56	
26 56 19 00-0047			LED Roadway Lighting (CREE® BetaLED®) (26 56 19 00-0034)		
26 56 19 00-0048			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) (26 56 19 00-0047)		
			Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0049	EA		20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	953.46	159.44
			For >50 To 100, Deduct	-47.67	
			For >100 To 250, Deduct	-71.51	
			For >250 To 500, Deduct	-111.21	
			For >500 To 1,000, Deduct	-150.91	
			For >1,000, Deduct	-190.61	
26 56 19 00-0050	EA		30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,070.45	164.13
			For >50 To 100, Deduct	-53.52	
			For >100 To 250, Deduct	-80.28	
			For >250 To 500, Deduct	-125.60	
			For >500 To 1,000, Deduct	-170.92	
			For >1,000, Deduct	-216.23	
26 56 19 00-0051	EA		40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,211.57	168.83
			For >50 To 100, Deduct	-60.58	
			For >100 To 250, Deduct	-90.87	
			For >250 To 500, Deduct	-143.01	
			For >500 To 1,000, Deduct	-195.14	
			For >1,000, Deduct	-247.28	
26 56 19 00-0052	EA		50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,330.42	173.52
			For >50 To 100, Deduct	-66.52	
			For >100 To 250, Deduct	-99.78	
			For >250 To 500, Deduct	-157.63	
			For >500 To 1,000, Deduct	-215.47	
			For >1,000, Deduct	-273.32	
26 56 19 00-0053	EA		60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,449.26	178.20
			For >50 To 100, Deduct	-72.46	
			For >100 To 250, Deduct	-108.69	
			For >250 To 500, Deduct	-172.25	
			For >500 To 1,000, Deduct	-235.80	
			For >1,000, Deduct	-299.35	
26 56 19 00-0054	EA		70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,731.40	182.89
			For >50 To 100, Deduct	-86.57	
			For >100 To 250, Deduct	-129.86	
			For >250 To 500, Deduct	-207.28	
			For >500 To 1,000, Deduct	-284.71	
			For >1,000, Deduct	-362.13	
26 56 19 00-0055	EA		80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,850.25	187.59
			For >50 To 100, Deduct	-92.51	
			For >100 To 250, Deduct	-138.77	
			For >250 To 500, Deduct	-221.90	
			For >500 To 1,000, Deduct	-305.04	
			For >1,000, Deduct	-388.17	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0056	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,967.25	192.27
		For >50 To 100, Deduct	-98.36	
		For >100 To 250, Deduct	-147.54	
		For >250 To 500, Deduct	-236.29	
		For >500 To 1,000, Deduct	-325.04	
		For >1,000, Deduct	-413.79	
26 56 19 00-0057	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,195.57	196.96
		For >50 To 100, Deduct	-109.78	
		For >100 To 250, Deduct	-164.67	
		For >250 To 500, Deduct	-264.60	
		For >500 To 1,000, Deduct	-364.53	
		For >1,000, Deduct	-464.46	
26 56 19 00-0058	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,314.43	201.65
		For >50 To 100, Deduct	-115.72	
		For >100 To 250, Deduct	-173.58	
		For >250 To 500, Deduct	-279.22	
		For >500 To 1,000, Deduct	-384.86	
		For >1,000, Deduct	-490.50	
26 56 19 00-0059	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,433.27	206.35
		For >50 To 100, Deduct	-121.66	
		For >100 To 250, Deduct	-182.50	
		For >250 To 500, Deduct	-293.84	
		For >500 To 1,000, Deduct	-405.19	
		For >1,000, Deduct	-516.53	

26 56 19 00-0060 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG)

(26 56 19 00-0047)

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0061	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,888.81	168.83
		For Multi-Level Drive Currents, Add	259.76	
		For >50 To 100, Deduct	-94.44	
		For >100 To 250, Deduct	-141.66	
		For >250 To 500, Deduct	-227.66	
		For >500 To 1,000, Deduct	-313.66	
		For >1,000, Deduct	-399.66	
26 56 19 00-0062	EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,180.31	178.20
		For Multi-Level Drive Currents, Add	259.76	
		For >50 To 100, Deduct	-109.02	
		For >100 To 250, Deduct	-163.52	
		For >250 To 500, Deduct	-263.63	
		For >500 To 1,000, Deduct	-363.73	
		For >1,000, Deduct	-463.84	
26 56 19 00-0063	EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,471.82	187.59
		For Multi-Level Drive Currents, Add	259.76	
		For >50 To 100, Deduct	-123.59	
		For >100 To 250, Deduct	-185.39	
		For >250 To 500, Deduct	-299.60	
		For >500 To 1,000, Deduct	-413.81	
		For >1,000, Deduct	-528.02	
26 56 19 00-0064	EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,763.34	196.96
		For Multi-Level Drive Currents, Add	259.76	
		For >50 To 100, Deduct	-138.17	
		For >100 To 250, Deduct	-207.25	
		For >250 To 500, Deduct	-335.57	
		For >500 To 1,000, Deduct	-463.89	
		For >1,000, Deduct	-592.21	
26 56 19 00-0065	EA	120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,633.75	206.35
		For Multi-Level Drive Currents, Add	259.76	
		For >50 To 100, Deduct	-181.69	
		For >100 To 250, Deduct	-272.53	
		For >250 To 500, Deduct	-443.90	
		For >500 To 1,000, Deduct	-615.27	
		For >1,000, Deduct	-786.64	
26 56 19 00-0066	EA	140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,925.26	215.72
		For Multi-Level Drive Currents, Add	259.76	
		For >50 To 100, Deduct	-196.26	
		For >100 To 250, Deduct	-294.39	
		For >250 To 500, Deduct	-479.87	
		For >500 To 1,000, Deduct	-665.35	
		For >1,000, Deduct	-850.83	
26 56 19 00-0067	EA	160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,216.77	225.10
		For Multi-Level Drive Currents, Add	259.76	
		For >50 To 100, Deduct	-210.84	
		For >100 To 250, Deduct	-316.26	
		For >250 To 500, Deduct	-515.84	
		For >500 To 1,000, Deduct	-715.42	
		For >1,000, Deduct	-915.01	

26 56 19 00-0068 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP)

(26 56 19 00-0047)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0069	EA		4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	794.91	168.83
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Backlight Control Shield, Add	37.57	
			For Field Adjustable Output, Add	32.83	
			For Bird Spikes, Add	58.24	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Fuse, Add	65.65	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For 480 Volt, Add	98.48	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-39.75	
			For >100 To 250, Deduct	-59.62	
			For >250 To 500, Deduct	-90.92	
			For >500 To 1,000, Deduct	-122.23	
			For >1,000, Deduct	-153.53	
26 56 19 00-0070	EA		5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	794.91	168.83
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Backlight Control Shield, Add	37.57	
			For Field Adjustable Output, Add	32.83	
			For Bird Spikes, Add	58.24	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Fuse, Add	65.65	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For 480 Volt, Add	98.48	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-39.75	
			For >100 To 250, Deduct	-59.62	
			For >250 To 500, Deduct	-90.92	
			For >500 To 1,000, Deduct	-122.23	
			For >1,000, Deduct	-153.53	
26 56 19 00-0071	EA		8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	877.62	168.83
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Backlight Control Shield, Add	37.57	
			For Field Adjustable Output, Add	32.83	
			For Bird Spikes, Add	58.24	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For 480 Volt, Add	98.48	
			For >50 To 100, Deduct	-43.88	
			For >100 To 250, Deduct	-65.82	
			For >250 To 500, Deduct	-101.26	
			For >500 To 1,000, Deduct	-136.70	
			For >1,000, Deduct	-172.14	
26 56 19 00-0072	EA		8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	877.62	168.83
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Backlight Control Shield, Add	37.57	
			For Field Adjustable Output, Add	32.83	
			For Bird Spikes, Add	58.24	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For 480 Volt, Add	98.48	
			For >50 To 100, Deduct	-43.88	
			For >100 To 250, Deduct	-65.82	
			For >250 To 500, Deduct	-101.26	
			For >500 To 1,000, Deduct	-136.70	
			For >1,000, Deduct	-172.14	
26 56 19 00-0073	EA		9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	1,024.67	168.83
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Field Adjustable Output, Add	32.83	
			For Backlight Control Shield, Add	53.64	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Fuse, Add	65.65	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For Bird Spikes, Add	95.01	
			For 480 Volt, Add	98.48	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-51.23	
			For >100 To 250, Deduct	-76.85	
			For >250 To 500, Deduct	-119.64	
			For >500 To 1,000, Deduct	-162.43	
			For >1,000, Deduct	-205.23	
26 56 19 00-0074	EA		10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	1,024.67	168.83
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
			For Field Adjustable Output, Add	32.83	
			For Backlight Control Shield, Add	53.64	
			For Field Adjustable Output And Utility Label, Add	43.77	
			For Fuse, Add	65.65	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
			For Bird Spikes, Add	95.01	
			For 480 Volt, Add	98.48	
			For Multi-Level, Add	142.23	
			For >50 To 100, Deduct	-51.23	
			For >100 To 250, Deduct	-76.85	
			For >250 To 500, Deduct	-119.64	
			For >500 To 1,000, Deduct	-162.43	
			For >1,000, Deduct	-205.23	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0075	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,162.55	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
		For Field Adjustable Output, Add	32.83	
		For Backlight Control Shield, Add	53.64	
		For Field Adjustable Output And Utility Label, Add	43.77	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
		For Bird Spikes, Add	95.01	
		For 480 Volt, Add	98.48	
		For >50 To 100, Deduct	-58.13	
		For >100 To 250, Deduct	-87.19	
		For >250 To 500, Deduct	-136.88	
		For >500 To 1,000, Deduct	-186.56	
		For >1,000, Deduct	-236.25	
26 56 19 00-0076	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,162.55	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
		For Field Adjustable Output, Add	32.83	
		For Backlight Control Shield, Add	53.64	
		For Field Adjustable Output And Utility Label, Add	43.77	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
		For Bird Spikes, Add	95.01	
		For 480 Volt, Add	98.48	
		For >50 To 100, Deduct	-58.13	
		For >100 To 250, Deduct	-87.19	
		For >250 To 500, Deduct	-136.88	
		For >500 To 1,000, Deduct	-186.56	
		For >1,000, Deduct	-236.25	
26 56 19 00-0077	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	647.85	168.83
		For Utility Label, Add	10.94	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	32.83	
		For 0 To 10 Volt Dimming, Add	65.65	
		For >50 To 100, Deduct	-32.39	
		For >100 To 250, Deduct	-48.59	
		For >250 To 500, Deduct	-72.54	
		For >500 To 1,000, Deduct	-96.49	
		For >1,000, Deduct	-120.44	
26 56 19 00-0078	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	647.85	168.83
		For Utility Label, Add	10.94	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	32.83	
		For 0 To 10 Volt Dimming, Add	65.65	
		For >50 To 100, Deduct	-32.39	
		For >100 To 250, Deduct	-48.59	
		For >250 To 500, Deduct	-72.54	
		For >500 To 1,000, Deduct	-96.49	
		For >1,000, Deduct	-120.44	
26 56 19 00-0079	EA	3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	682.32	168.83
		For Utility Label, Add	10.94	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	32.83	
		For 0 To 10 Volt Dimming, Add	65.65	
		For >50 To 100, Deduct	-34.12	
		For >100 To 250, Deduct	-51.17	
		For >250 To 500, Deduct	-76.85	
		For >500 To 1,000, Deduct	-102.52	
		For >1,000, Deduct	-128.20	
26 56 19 00-0080	EA	4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	682.32	168.83
		For Utility Label, Add	10.94	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	32.83	
		For 0 To 10 Volt Dimming, Add	65.65	
		For >50 To 100, Deduct	-34.12	
		For >100 To 250, Deduct	-51.17	
		For >250 To 500, Deduct	-76.85	
		For >500 To 1,000, Deduct	-102.52	
		For >1,000, Deduct	-128.20	
26 56 19 00-0081	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	693.80	168.83
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	21.88	
		For Field Adjustable Output, Add	32.83	
		For Field Adjustable Output And Utility Label, Add	43.77	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	65.65	
		For 0 To 10 Volt Dimming, Add	65.65	
		For >50 To 100, Deduct	-34.69	
		For >100 To 250, Deduct	-52.04	
		For >250 To 500, Deduct	-78.28	
		For >500 To 1,000, Deduct	-104.53	
		For >1,000, Deduct	-130.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0082	EA		4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Field Adjustable Output, Add For Field Adjustable Output And Utility Label, Add For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add For 0 To 10 Volt Dimming, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	693.80 21.88 32.83 43.77 65.65 65.65 -34.69 -52.04 -78.28 -104.53 -130.78	168.83
26 56 19 00-0083			Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™) (26 56 19 00-0047) Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0084	EA		3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N) For Field Adjustable Output, Add For Backlight Control Shield, Add For Bird Spikes, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	670.83 32.83 71.59 95.66 -33.54 -50.31 -75.41 -100.51 -125.61	168.83
26 56 19 00-0085	EA		3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N) For Field Adjustable Output, Add For Backlight Control Shield, Add For Bird Spikes, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	670.83 32.83 71.59 95.66 -33.54 -50.31 -75.41 -100.51 -125.61	168.83
26 56 19 00-0086	EA		5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N) For Field Adjustable Output, Add For Backlight Control Shield, Add For Bird Spikes, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	693.80 32.83 71.59 95.66 -34.69 -52.04 -78.28 -104.53 -130.78	168.83
26 56 19 00-0087	EA		5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N) For Field Adjustable Output, Add For Backlight Control Shield, Add For Bird Spikes, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	693.80 32.83 71.59 95.66 -34.69 -52.04 -78.28 -104.53 -130.78	168.83
26 56 19 00-0088			LED Roadway Lighting (Cooper Lighting) (26 56 19 00-0034)		
26 56 19 00-0089			Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) (26 56 19 00-0088) Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0090	EA		1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	1,060.64 -53.03 -79.55 -124.14 -168.73 -213.32	168.83
26 56 19 00-0091	EA		2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	1,440.46 -72.02 -108.03 -170.68 -233.32 -295.97	187.59
26 56 19 00-0092	EA		3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	1,544.10 -77.21 -115.81 -182.23 -248.65 -315.06	215.72

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0093	EA	4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,303.50	234.48
		For >50 To 100, Deduct	-115.18	
		For >100 To 250, Deduct	-172.76	
		For >250 To 500, Deduct	-276.21	
		For >500 To 1,000, Deduct	-379.66	
		For >1,000, Deduct	-483.12	
26 56 19 00-0094	EA	6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	3,023.99	266.94
		For >50 To 100, Deduct	-151.20	
		For >100 To 250, Deduct	-226.80	
		For >250 To 500, Deduct	-364.65	
		For >500 To 1,000, Deduct	-502.50	
		For >1,000, Deduct	-640.36	

26 56 19 00-0095 LED Roadway Lighting (PlanLED) (26 56 19 00-0034)
26 56 19 00-0096 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera
HERA) (26 56 19 00-0095)

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0097	EA	8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,277.40	164.13
		For >50 To 100, Deduct	-63.87	
		For >100 To 250, Deduct	-95.81	
		For >250 To 500, Deduct	-151.47	
		For >500 To 1,000, Deduct	-207.13	
		For >1,000, Deduct	-262.79	
26 56 19 00-0098	EA	11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,390.36	165.94
		For >50 To 100, Deduct	-69.52	
		For >100 To 250, Deduct	-104.28	
		For >250 To 500, Deduct	-165.50	
		For >500 To 1,000, Deduct	-226.72	
		For >1,000, Deduct	-287.94	
26 56 19 00-0099	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,479.23	168.83
		For >50 To 100, Deduct	-73.96	
		For >100 To 250, Deduct	-110.94	
		For >250 To 500, Deduct	-176.46	
		For >500 To 1,000, Deduct	-241.98	
		For >1,000, Deduct	-307.50	

26 56 19 00-0100 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera
SETA) (26 56 19 00-0095)

Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0101	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	838.63	160.17
		For >50 To 100, Deduct	-41.93	
		For >100 To 250, Deduct	-62.90	
		For >250 To 500, Deduct	-96.82	
		For >500 To 1,000, Deduct	-130.74	
		For >1,000, Deduct	-164.67	
26 56 19 00-0102	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	899.09	163.05
		For >50 To 100, Deduct	-44.95	
		For >100 To 250, Deduct	-67.43	
		For >250 To 500, Deduct	-104.23	
		For >500 To 1,000, Deduct	-141.04	
		For >1,000, Deduct	-177.84	
26 56 19 00-0103	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	994.52	165.94
		For >50 To 100, Deduct	-49.73	
		For >100 To 250, Deduct	-74.59	
		For >250 To 500, Deduct	-116.02	
		For >500 To 1,000, Deduct	-157.45	
		For >1,000, Deduct	-198.88	

26 56 19 00-0104 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera
META) (26 56 19 00-0095)

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0105	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	1,057.94	165.94
		For 0 To 10 Volt Dimming, Add	94.53	
		For 480 Volt, Add	94.53	
		For >50 To 100, Deduct	-52.90	
		For >100 To 250, Deduct	-79.35	
		For >250 To 500, Deduct	-123.95	
		For >500 To 1,000, Deduct	-168.55	
		For >1,000, Deduct	-213.15	
26 56 19 00-0106	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	1,174.55	167.38
		For 0 To 10 Volt Dimming, Add	94.53	
		For 480 Volt, Add	28.56	
		For >50 To 100, Deduct	-58.73	
		For >100 To 250, Deduct	-88.09	
		For >250 To 500, Deduct	-138.45	
		For >500 To 1,000, Deduct	-188.81	
		For >1,000, Deduct	-239.17	

			Electrical	26	26
			Lighting	26 50	
			Exterior Lighting	26 56	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
26 56 19 00-0107	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150) For 0 To 10 Volt Dimming, Add For 480 Volt, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	1,264.91 94.53 118.07 -63.25 -94.87 -149.67 -204.48 -259.28	168.83	
26 56 19 00-0108		LED Roadway Lighting (General Electric) (26 56 19 00-0034)			
26 56 19 00-0109		Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) (26 56 19 00-0108) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.			
26 56 19 00-0110	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY) For LightGrid™ Wireless Outdoor Controller, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	638.31 20.00 -31.92 -47.87 -71.82 -95.76 -119.70	159.44	
26 56 19 00-0111	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY) For LightGrid™ Wireless Outdoor Controller, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	642.64 20.00 -32.13 -48.20 -72.25 -96.30 -120.35	161.61	
26 56 19 00-0112	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY) For LightGrid™ Wireless Outdoor Controller, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	669.78 20.00 -33.49 -50.23 -75.52 -100.80 -126.08	164.13	
26 56 19 00-0113	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY) For LightGrid™ Wireless Outdoor Controller, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	697.50 20.00 -34.88 -52.31 -78.89 -105.47 -132.05	165.94	
26 56 19 00-0114	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY) For LightGrid™ Wireless Outdoor Controller, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	771.00 20.00 -38.55 -57.83 -87.90 -117.97 -148.04	169.55	
26 56 19 00-0115	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY) For LightGrid™ Wireless Outdoor Controller, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	810.05 20.00 -40.50 -60.75 -92.71 -124.66 -156.61	170.99	
26 56 19 00-0116	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY) For LightGrid™ Wireless Outdoor Controller, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	883.41 20.00 -44.17 -66.26 -101.75 -137.25 -172.74	173.52	
26 56 19 00-0117	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY) For LightGrid™ Wireless Outdoor Controller, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	1,039.43 20.00 -51.97 -77.96 -121.02 -164.08 -207.14	178.20	
26 56 19 00-0118	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY) For LightGrid™ Wireless Outdoor Controller, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	1,218.90 20.00 -60.95 -91.42 -142.98 -194.55 -246.12	187.59	
26 56 19 00-0119		LED Roadway Lighting (Acuity AEL Autobahn) (26 56 19 00-0034)			

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0120	Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) (26 56 19 00-0119)		
	Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0121	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70).....	1,238.09
		For >50 To 100, Deduct	-61.90
		For >100 To 250, Deduct	-92.86
		For >250 To 500, Deduct	-146.55
		For >500 To 1,000, Deduct	-200.25
		For >1,000, Deduct	-253.95
26 56 19 00-0122	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70).....	1,539.23
		For >50 To 100, Deduct	-76.96
		For >100 To 250, Deduct	-115.44
		For >250 To 500, Deduct	-183.96
		For >500 To 1,000, Deduct	-252.48
		For >1,000, Deduct	-321.00
26 56 19 00-0123	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70).....	2,149.55
		For >50 To 100, Deduct	-107.48
		For >100 To 250, Deduct	-161.22
		For >250 To 500, Deduct	-260.02
		For >500 To 1,000, Deduct	-358.82
		For >1,000, Deduct	-457.62
26 56 19 00-0124	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70).....	2,764.04
		For >50 To 100, Deduct	-138.20
		For >100 To 250, Deduct	-207.30
		For >250 To 500, Deduct	-336.49
		For >500 To 1,000, Deduct	-465.67
		For >1,000, Deduct	-594.85
26 56 19 00-0125	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	3,364.67
		For >50 To 100, Deduct	-168.23
		For >100 To 250, Deduct	-252.35
		For >250 To 500, Deduct	-411.31
		For >500 To 1,000, Deduct	-570.28
		For >1,000, Deduct	-729.24
26 56 19 00-0126	LED Roadway Lighting (Leotek) (26 56 19 00-0034)		
26 56 19 00-0127	Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) (26 56 19 00-0126)		
	Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0128	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL).....	653.11
		For LightGrid™ Wireless Outdoor Controller, Add	20.00
		For Twist Lock Shorting Cap, Add	10.04
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92
		For >50 To 100, Deduct	-32.66
		For >100 To 250, Deduct	-48.98
		For >250 To 500, Deduct	-73.43
		For >500 To 1,000, Deduct	-97.88
		For >1,000, Deduct	-122.33
26 56 19 00-0129	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL).....	667.27
		For LightGrid™ Wireless Outdoor Controller, Add	20.00
		For Twist Lock Shorting Cap, Add	10.04
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92
		For >50 To 100, Deduct	-33.36
		For >100 To 250, Deduct	-50.05
		For >250 To 500, Deduct	-75.11
		For >500 To 1,000, Deduct	-100.18
		For >1,000, Deduct	-125.24
26 56 19 00-0130	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL).....	711.62
		For LightGrid™ Wireless Outdoor Controller, Add	20.00
		For Twist Lock Shorting Cap, Add	10.04
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92
		For >50 To 100, Deduct	-35.58
		For >100 To 250, Deduct	-53.37
		For >250 To 500, Deduct	-80.60
		For >500 To 1,000, Deduct	-107.83
		For >1,000, Deduct	-135.06
26 56 19 00-0131	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL).....	825.85
		For LightGrid™ Wireless Outdoor Controller, Add	20.00
		For Twist Lock Shorting Cap, Add	10.04
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92
		For >50 To 100, Deduct	-41.29
		For >100 To 250, Deduct	-61.94
		For >250 To 500, Deduct	-94.56
		For >500 To 1,000, Deduct	-127.17
		For >1,000, Deduct	-159.79

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0132	EA		Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	966.00	178.20
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-48.30	
			For >100 To 250, Deduct	-72.45	
			For >250 To 500, Deduct	-111.84	
			For >500 To 1,000, Deduct	-151.23	
			For >1,000, Deduct	-190.62	
26 56 19 00-0133	EA		Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	971.78	181.09
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-48.59	
			For >100 To 250, Deduct	-72.88	
			For >250 To 500, Deduct	-112.42	
			For >500 To 1,000, Deduct	-151.95	
			For >1,000, Deduct	-191.49	
26 56 19 00-0134	EA		Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	1,190.59	183.98
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-59.53	
			For >100 To 250, Deduct	-89.29	
			For >250 To 500, Deduct	-139.63	
			For >500 To 1,000, Deduct	-189.96	
			For >1,000, Deduct	-240.29	
26 56 19 00-0135	EA		Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,248.43	187.59
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-62.42	
			For >100 To 250, Deduct	-93.63	
			For >250 To 500, Deduct	-146.67	
			For >500 To 1,000, Deduct	-199.72	
			For >1,000, Deduct	-252.76	
26 56 19 00-0136	EA		Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,393.43	190.46
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-69.67	
			For >100 To 250, Deduct	-104.51	
			For >250 To 500, Deduct	-164.66	
			For >500 To 1,000, Deduct	-224.80	
			For >1,000, Deduct	-284.95	
26 56 19 00-0137	EA		Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,494.12	193.35
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-74.71	
			For >100 To 250, Deduct	-112.06	
			For >250 To 500, Deduct	-177.10	
			For >500 To 1,000, Deduct	-242.14	
			For >1,000, Deduct	-307.17	
26 56 19 00-0138	EA		Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	755.86	165.94
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-37.79	
			For >100 To 250, Deduct	-56.69	
			For >250 To 500, Deduct	-86.19	
			For >500 To 1,000, Deduct	-115.68	
			For >1,000, Deduct	-145.18	
26 56 19 00-0139	EA		Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	829.90	170.27
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-41.50	
			For >100 To 250, Deduct	-62.24	
			For >250 To 500, Deduct	-95.22	
			For >500 To 1,000, Deduct	-128.21	
			For >1,000, Deduct	-161.19	

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0140	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	895.46	173.52
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-44.77	
		For >100 To 250, Deduct	-67.16	
		For >250 To 500, Deduct	-103.26	
		For >500 To 1,000, Deduct	-139.35	
		For >1,000, Deduct	-175.45	
26 56 19 00-0141	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	951.90	177.48
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-47.60	
		For >100 To 250, Deduct	-71.39	
		For >250 To 500, Deduct	-110.11	
		For >500 To 1,000, Deduct	-148.83	
		For >1,000, Deduct	-187.56	
26 56 19 00-0142	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	1,009.64	178.92
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-50.48	
		For >100 To 250, Deduct	-75.72	
		For >250 To 500, Deduct	-117.26	
		For >500 To 1,000, Deduct	-158.79	
		For >1,000, Deduct	-200.33	
26 56 19 00-0143	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	1,201.92	185.42
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-60.10	
		For >100 To 250, Deduct	-90.14	
		For >250 To 500, Deduct	-140.97	
		For >500 To 1,000, Deduct	-191.79	
		For >1,000, Deduct	-242.62	
26 56 19 00-0144	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....	1,358.90	189.03
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-67.95	
		For >100 To 250, Deduct	-101.92	
		For >250 To 500, Deduct	-160.41	
		For >500 To 1,000, Deduct	-218.91	
		For >1,000, Deduct	-277.40	
26 56 19 00-0145	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....	1,444.71	189.75
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-72.24	
		For >100 To 250, Deduct	-108.35	
		For >250 To 500, Deduct	-171.10	
		For >500 To 1,000, Deduct	-233.85	
		For >1,000, Deduct	-296.60	
26 56 19 00-0146	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	1,527.09	191.91
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-76.35	
		For >100 To 250, Deduct	-114.53	
		For >250 To 500, Deduct	-181.29	
		For >500 To 1,000, Deduct	-248.05	
		For >1,000, Deduct	-314.81	
26 56 19 00-0147	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	811.47	181.09
		For LightGrid™ Wireless Outdoor Controller, Add	20.00	
		For Twist Lock Shorting Cap, Add	10.04	
		For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
		For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
		For >50 To 100, Deduct	-40.57	
		For >100 To 250, Deduct	-60.86	
		For >250 To 500, Deduct	-92.38	
		For >500 To 1,000, Deduct	-123.90	
		For >1,000, Deduct	-155.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0148	EA		Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP).....	878.36	182.89
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-43.92	
			For >100 To 250, Deduct	-65.88	
			For >250 To 500, Deduct	-100.65	
			For >500 To 1,000, Deduct	-135.42	
			For >1,000, Deduct	-170.20	
26 56 19 00-0149	EA		Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL).....	624.36	165.57
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-31.22	
			For >100 To 250, Deduct	-46.83	
			For >250 To 500, Deduct	-69.77	
			For >500 To 1,000, Deduct	-92.71	
			For >1,000, Deduct	-115.64	
26 56 19 00-0150	EA		Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL).....	635.69	167.02
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-31.78	
			For >100 To 250, Deduct	-47.68	
			For >250 To 500, Deduct	-71.11	
			For >500 To 1,000, Deduct	-94.54	
			For >1,000, Deduct	-117.98	
26 56 19 00-0151	EA		Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	690.68	170.27
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-34.53	
			For >100 To 250, Deduct	-51.80	
			For >250 To 500, Deduct	-77.82	
			For >500 To 1,000, Deduct	-103.84	
			For >1,000, Deduct	-129.86	
26 56 19 00-0152	EA		Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	1,061.92	183.98
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-53.10	
			For >100 To 250, Deduct	-79.64	
			For >250 To 500, Deduct	-123.54	
			For >500 To 1,000, Deduct	-167.44	
			For >1,000, Deduct	-211.34	
26 56 19 00-0153	EA		Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	1,385.65	189.75
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-69.28	
			For >100 To 250, Deduct	-103.92	
			For >250 To 500, Deduct	-163.72	
			For >500 To 1,000, Deduct	-223.51	
			For >1,000, Deduct	-283.31	
26 56 19 00-0154	EA		Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	1,235.22	190.46
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-61.76	
			For >100 To 250, Deduct	-92.64	
			For >250 To 500, Deduct	-144.88	
			For >500 To 1,000, Deduct	-197.12	
			For >1,000, Deduct	-249.35	
26 56 19 00-0155	EA		Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	599.77	165.94
			For Twist Lock Shorting Cap, Add	10.04	
			For ANSI 7-wire Photocontrol Receptacle, Add	30.13	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.92	
			For >50 To 100, Deduct	-29.99	
			For >100 To 250, Deduct	-44.98	
			For >250 To 500, Deduct	-66.67	
			For >500 To 1,000, Deduct	-88.37	
			For >1,000, Deduct	-110.06	

26 56 19 00-0156 LED, Area Fixtures (26 56 19)

26 56 19 00-0157 Pole Mount, LED Area Fixtures (26 56 19 00-0156)

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0158	Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) ⁽²⁶⁾			
	58 19 00-0157			
	Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0159	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,504.60	122.65
		For >50 To 100, Deduct	-125.23	
		For >100 To 250, Deduct	-187.85	
		For >250 To 500, Deduct	-306.94	
		For >500 To 1,000, Deduct	-426.04	
		For >1,000, Deduct	-545.14	
26 56 19 00-0160	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,699.78	129.87
		For >50 To 100, Deduct	-134.99	
		For >100 To 250, Deduct	-202.48	
		For >250 To 500, Deduct	-330.98	
		For >500 To 1,000, Deduct	-459.48	
		For >1,000, Deduct	-587.97	
26 56 19 00-0161	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,909.38	144.29
		For >50 To 100, Deduct	-145.47	
		For >100 To 250, Deduct	-218.20	
		For >250 To 500, Deduct	-356.46	
		For >500 To 1,000, Deduct	-494.71	
		For >1,000, Deduct	-632.97	
26 56 19 00-0162	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,923.81	151.51
		For >50 To 100, Deduct	-146.19	
		For >100 To 250, Deduct	-219.29	
		For >250 To 500, Deduct	-357.90	
		For >500 To 1,000, Deduct	-496.52	
		For >1,000, Deduct	-635.13	
26 56 19 00-0163	Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) ^(26 56 19 00-0157)			
	Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified			
26 56 19 00-0164	EA	40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,395.27	129.87
		For Backlight Shielding, Add	25.98	
		For Type II Medium Optic, Add	44.18	
		For 480 Volt, Add	111.02	
		For Multi-Level Drive Currents, Add	259.76	
		For >50 To 100, Deduct	-69.76	
		For >100 To 250, Deduct	-104.65	
		For >250 To 500, Deduct	-167.92	
		For >500 To 1,000, Deduct	-231.19	
		For >1,000, Deduct	-294.46	
26 56 19 00-0165	EA	60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,682.45	137.08
		For Backlight Shielding, Add	25.98	
		For Type II Medium Optic, Add	44.90	
		For 480 Volt, Add	111.02	
		For Multi-Level Drive Currents, Add	259.76	
		For >50 To 100, Deduct	-84.12	
		For >100 To 250, Deduct	-126.18	
		For >250 To 500, Deduct	-203.45	
		For >500 To 1,000, Deduct	-280.72	
		For >1,000, Deduct	-357.99	
26 56 19 00-0166	EA	80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,079.10	144.29
		For Backlight Shielding, Add	25.98	
		For Type II Medium Optic, Add	45.62	
		For 480 Volt, Add	111.02	
		For Multi-Level Drive Currents, Add	259.76	
		For >50 To 100, Deduct	-103.96	
		For >100 To 250, Deduct	-155.93	
		For >250 To 500, Deduct	-252.67	
		For >500 To 1,000, Deduct	-349.41	
		For >1,000, Deduct	-446.15	
26 56 19 00-0167	EA	100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,366.29	151.51
		For Backlight Shielding, Add	25.98	
		For Type II Medium Optic, Add	46.34	
		For 480 Volt, Add	111.02	
		For Multi-Level Drive Currents, Add	259.76	
		For >50 To 100, Deduct	-118.31	
		For >100 To 250, Deduct	-177.47	
		For >250 To 500, Deduct	-288.21	
		For >500 To 1,000, Deduct	-398.95	
		For >1,000, Deduct	-509.69	
26 56 19 00-0168	EA	120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,653.46	158.72
		For Backlight Shielding, Add	25.98	
		For Type II Medium Optic, Add	47.06	
		For 480 Volt, Add	111.02	
		For Multi-Level Drive Currents, Add	259.76	
		For >50 To 100, Deduct	-132.67	
		For >100 To 250, Deduct	-199.01	
		For >250 To 500, Deduct	-323.75	
		For >500 To 1,000, Deduct	-448.48	
		For >1,000, Deduct	-573.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0169	EA		140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) For Backlight Shielding, Add For Type II Medium Optic, Add For 480 Volt, Add For Multi-Level Drive Currents, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	3,027.86 25.98 47.78 111.02 259.76 -151.39 -227.09 -370.19 -513.28 -656.38	165.94
26 56 19 00-0170	EA		160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) For Backlight Shielding, Add For Type II Medium Optic, Add For 480 Volt, Add For Multi-Level Drive Currents, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	3,315.04 25.98 48.51 111.02 259.76 -165.75 -248.63 -405.72 -562.82 -719.91	173.15
26 56 19 00-0171			Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) (26 56 19 00-0157) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0172	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For 5,000K Color Temperature, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For 1,000mA Driver, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	2,452.07 21.88 50.34 54.71 65.65 65.65 98.48 142.23 183.84 -122.60 -183.91 -298.57 -413.24 -527.91	158.72
26 56 19 00-0173	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) For 3 Or 7-Pin NEMA Photocell Receptacle, Add For 5,000K Color Temperature, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For Bird Spikes, Add For Multi-Level, Add For 1,000mA Driver, Add For 480 Volt, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	4,132.67 21.88 54.71 65.65 65.65 74.64 142.23 183.82 196.94 -206.63 -309.95 -506.84 -703.74 -900.63	194.80
26 56 19 00-0174			Wall Mount, LED Area Fixtures (26 56 19 00-0156)		
26 56 19 00-0175			Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) (26 56 19 00-0174) Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0176	EA		20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	1,114.68 -55.73 -83.60 -133.20 -182.80 -232.41	122.65
26 56 19 00-0177	EA		30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct	1,143.54 -57.18 -85.77 -136.09 -186.41 -236.73	137.08
26 56 19 00-0178			Surface Mount, LED Parking Structure Fixtures (26 56 19 00-0156)		
26 56 19 00-0179			Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) (26 56 19 00-0178) Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 19 00-0180	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,231.99		129.87
		For Multi-Level Drive Currents, Add	259.76		
		For >50 To 100, Deduct	-61.60		
		For >100 To 250, Deduct	-92.40		
		For >250 To 500, Deduct	-147.51		
		For >500 To 1,000, Deduct	-202.61		
		For >1,000, Deduct	-257.72		
26 56 19 00-0181	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,519.17		137.08
		For Multi-Level Drive Currents, Add	259.76		
		For >50 To 100, Deduct	-75.96		
		For >100 To 250, Deduct	-113.94		
		For >250 To 500, Deduct	-183.04		
		For >500 To 1,000, Deduct	-252.15		
		For >1,000, Deduct	-321.25		
26 56 19 00-0182	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,806.35		144.29
		For Multi-Level Drive Currents, Add	259.76		
		For >50 To 100, Deduct	-90.32		
		For >100 To 250, Deduct	-135.48		
		For >250 To 500, Deduct	-218.58		
		For >500 To 1,000, Deduct	-301.68		
		For >1,000, Deduct	-384.78		
26 56 19 00-0183	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	2,093.53		151.51
		For Multi-Level Drive Currents, Add	259.76		
		For >50 To 100, Deduct	-104.68		
		For >100 To 250, Deduct	-157.01		
		For >250 To 500, Deduct	-254.12		
		For >500 To 1,000, Deduct	-351.22		
		For >1,000, Deduct	-448.32		
26 56 19 00-0184 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) (26 56 19 00-0178)					
Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.					
26 56 19 00-0185	EA	40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,187.46		129.87
		For Multi-Level Drive Currents, Add	259.76		
		For >50 To 100, Deduct	-59.37		
		For >100 To 250, Deduct	-89.06		
		For >250 To 500, Deduct	-141.94		
		For >500 To 1,000, Deduct	-194.82		
		For >1,000, Deduct	-247.70		
26 56 19 00-0186	EA	60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,311.36		137.08
		For Multi-Level Drive Currents, Add	259.76		
		For >50 To 100, Deduct	-65.57		
		For >100 To 250, Deduct	-98.35		
		For >250 To 500, Deduct	-157.07		
		For >500 To 1,000, Deduct	-215.78		
		For >1,000, Deduct	-274.49		
26 56 19 00-0187 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) (26 56 19 00-0178)					
Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.					
26 56 19 00-0188	EA	3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	1,040.47		129.87
		For >50 To 100, Deduct	-52.02		
		For >100 To 250, Deduct	-78.04		
		For >250 To 500, Deduct	-123.57		
		For >500 To 1,000, Deduct	-169.10		
		For >1,000, Deduct	-214.63		
26 56 19 00-0189 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) (26 56 19 00-0178)					
Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.					
26 56 19 00-0190	EA	70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,064.78		137.08
		For >50 To 100, Deduct	-103.24		
		For >100 To 250, Deduct	-154.86		
		For >250 To 500, Deduct	-251.24		
		For >500 To 1,000, Deduct	-347.63		
		For >1,000, Deduct	-444.01		
26 56 19 00-0191	EA	110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,093.64		151.51
		For >50 To 100, Deduct	-104.68		
		For >100 To 250, Deduct	-157.02		
		For >250 To 500, Deduct	-254.13		
		For >500 To 1,000, Deduct	-351.24		
		For >1,000, Deduct	-448.34		
26 56 19 00-0192 Surface Mount, LED Canopy Fixtures (26 56 19 00-0156)					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

26 56 19 00-0193			Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) (26 56 19 00-0192) Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0194	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	.....	1,428.67	129.87
		For Multi-Level Drive Currents, Add		259.76	
		For >50 To 100, Deduct		-71.43	
		For >100 To 250, Deduct		-107.15	
		For >250 To 500, Deduct		-172.09	
		For >500 To 1,000, Deduct		-237.03	
		For >1,000, Deduct		-301.97	
26 56 19 00-0195	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	.....	1,715.85	137.08
		For Multi-Level Drive Currents, Add		259.76	
		For >50 To 100, Deduct		-85.79	
		For >100 To 250, Deduct		-128.69	
		For >250 To 500, Deduct		-207.63	
		For >500 To 1,000, Deduct		-286.57	
		For >1,000, Deduct		-365.50	
26 56 19 00-0196	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	.....	2,003.03	144.29
		For Multi-Level Drive Currents, Add		259.76	
		For >50 To 100, Deduct		-100.15	
		For >100 To 250, Deduct		-150.23	
		For >250 To 500, Deduct		-243.16	
		For >500 To 1,000, Deduct		-336.10	
		For >1,000, Deduct		-429.04	
26 56 19 00-0197	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	.....	2,290.21	151.51
		For Multi-Level Drive Currents, Add		259.76	
		For >50 To 100, Deduct		-114.51	
		For >100 To 250, Deduct		-171.77	
		For >250 To 500, Deduct		-278.70	
		For >500 To 1,000, Deduct		-385.64	
		For >1,000, Deduct		-492.57	
26 56 19 00-0198	EA	120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	.....	2,577.38	158.72
		For Multi-Level Drive Currents, Add		259.76	
		For >50 To 100, Deduct		-128.87	
		For >100 To 250, Deduct		-193.30	
		For >250 To 500, Deduct		-314.24	
		For >500 To 1,000, Deduct		-435.17	
		For >1,000, Deduct		-556.10	
26 56 19 00-0199	EA	140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	.....	2,974.05	165.94
		For Multi-Level Drive Currents, Add		259.76	
		For >50 To 100, Deduct		-148.70	
		For >100 To 250, Deduct		-223.05	
		For >250 To 500, Deduct		-363.46	
		For >500 To 1,000, Deduct		-503.86	
		For >1,000, Deduct		-644.27	
26 56 19 00-0200	EA	160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	.....	3,261.23	173.15
		For Multi-Level Drive Currents, Add		259.76	
		For >50 To 100, Deduct		-163.06	
		For >100 To 250, Deduct		-244.59	
		For >250 To 500, Deduct		-399.00	
		For >500 To 1,000, Deduct		-553.40	
		For >1,000, Deduct		-707.80	
26 56 19 00-0201	EA	200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	.....	3,835.58	187.59
		For Multi-Level Drive Currents, Add		259.76	
		For >50 To 100, Deduct		-191.78	
		For >100 To 250, Deduct		-287.67	
		For >250 To 500, Deduct		-470.07	
		For >500 To 1,000, Deduct		-652.47	
		For >1,000, Deduct		-834.87	
26 56 19 00-0202	EA	240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	.....	4,395.52	194.80
		For Multi-Level Drive Currents, Add		259.76	
		For >50 To 100, Deduct		-219.78	
		For >100 To 250, Deduct		-329.66	
		For >250 To 500, Deduct		-539.70	
		For >500 To 1,000, Deduct		-749.74	
		For >1,000, Deduct		-959.77	

26 56 19 00-0203			Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) (26 56 19 00-0192) Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0204	EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	.....	988.10	144.29
		For >50 To 100, Deduct		-49.41	
		For >100 To 250, Deduct		-74.11	
		For >250 To 500, Deduct		-116.30	
		For >500 To 1,000, Deduct		-158.49	
		For >1,000, Deduct		-200.68	

26 56 19 00-0205 Recessed Mount, LED Soffit Fixtures (26 56 19 00-0156)

26 56 19 00-0206 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) (26 56 19 00-0205)

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0207	EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	1,209.72	129.87
		For >50 To 100, Deduct	-60.49	
		For >100 To 250, Deduct	-90.73	
		For >250 To 500, Deduct	-144.72	
		For >500 To 1,000, Deduct	-198.71	
		For >1,000, Deduct	-252.71	
26 56 19 00-0208	EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	1,333.62	137.08
		For >50 To 100, Deduct	-66.68	
		For >100 To 250, Deduct	-100.02	
		For >250 To 500, Deduct	-159.85	
		For >500 To 1,000, Deduct	-219.68	
		For >1,000, Deduct	-279.50	

26 56 19 00-0209 Surface Mount, LED Area Fixtures (26 56 19 00-0156)

26 56 19 00-0210 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) (26 56 19 00-0209)

Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.

26 56 19 00-0211	EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	681.20	129.87
		For >50 To 100, Deduct	-34.06	
		For >100 To 250, Deduct	-51.09	
		For >250 To 500, Deduct	-78.66	
		For >500 To 1,000, Deduct	-106.22	
		For >1,000, Deduct	-133.79	
26 56 19 00-0212	EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,505.47	129.87
		For >50 To 100, Deduct	-75.27	
		For >100 To 250, Deduct	-112.91	
		For >250 To 500, Deduct	-181.69	
		For >500 To 1,000, Deduct	-250.47	
		For >1,000, Deduct	-319.25	
26 56 19 00-0213	EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,252.53	144.29
		For >50 To 100, Deduct	-62.63	
		For >100 To 250, Deduct	-93.94	
		For >250 To 500, Deduct	-149.35	
		For >500 To 1,000, Deduct	-204.76	
		For >1,000, Deduct	-260.18	
26 56 19 00-0214	EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,549.98	144.29
		For >50 To 100, Deduct	-77.50	
		For >100 To 250, Deduct	-116.25	
		For >250 To 500, Deduct	-186.53	
		For >500 To 1,000, Deduct	-256.82	
		For >1,000, Deduct	-327.10	

26 56 19 00-0215 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) (26 56 19 00-0209)

Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.

26 56 19 00-0216	EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	219.95	46.68
		For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
		For >50 To 100, Deduct	-11.00	
		For >100 To 250, Deduct	-16.50	
		For >250 To 500, Deduct	-25.55	
		For >500 To 1,000, Deduct	-34.60	
		For >1,000, Deduct	-43.65	
26 56 19 00-0217	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	250.11	46.68
		For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
		For >50 To 100, Deduct	-12.51	
		For >100 To 250, Deduct	-18.76	
		For >250 To 500, Deduct	-29.32	
		For >500 To 1,000, Deduct	-39.88	
		For >1,000, Deduct	-50.44	
26 56 19 00-0218	EA	30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	307.55	46.68
		For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
		For >50 To 100, Deduct	-15.38	
		For >100 To 250, Deduct	-23.07	
		For >250 To 500, Deduct	-36.50	
		For >500 To 1,000, Deduct	-49.93	
		For >1,000, Deduct	-63.36	

26 56 19 00-0219 Surface Mount, LED Facade Fixtures (26 56 19 00-0156)

26 56 19 00-0220 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) (26 56 19 00-0219)

26 56 19 00-0221	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	784.96	54.49
		For >50 To 100, Deduct	-39.25	
		For >100 To 250, Deduct	-58.87	
		For >250 To 500, Deduct	-96.05	
		For >500 To 1,000, Deduct	-133.22	
		For >1,000, Deduct	-170.40	
26 56 19 00-0222	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,279.42	49.76
		For >50 To 100, Deduct	-63.97	
		For >100 To 250, Deduct	-95.96	
		For >250 To 500, Deduct	-158.15	
		For >500 To 1,000, Deduct	-220.34	
		For >1,000, Deduct	-282.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0223	EA		36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,634.13	41.46
			For >50 To 100, Deduct	-81.71	
			For >100 To 250, Deduct	-122.56	
			For >250 To 500, Deduct	-202.79	
			For >500 To 1,000, Deduct	-283.01	
			For >1,000, Deduct	-363.24	
26 56 19 00-0224	EA		48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,988.81	33.17
			For >50 To 100, Deduct	-99.44	
			For >100 To 250, Deduct	-149.16	
			For >250 To 500, Deduct	-247.42	
			For >500 To 1,000, Deduct	-345.67	
			For >1,000, Deduct	-443.93	
26 56 19 00-0225			Post Top, LED Area Fixtures (26 56 19 00-0156)		
26 56 19 00-0226			Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) (26 56 19 00-0225)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0227	EA		1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	2,198.45	198.40
			For >50 To 100, Deduct	-109.92	
			For >100 To 250, Deduct	-164.88	
			For >250 To 500, Deduct	-264.89	
			For >500 To 1,000, Deduct	-364.89	
			For >1,000, Deduct	-464.89	
26 56 19 00-0228	EA		3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	2,428.33	198.40
			For >50 To 100, Deduct	-121.42	
			For >100 To 250, Deduct	-182.12	
			For >250 To 500, Deduct	-293.62	
			For >500 To 1,000, Deduct	-405.12	
			For >1,000, Deduct	-516.61	
26 56 19 00-0229	EA		77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	2,610.04	198.40
			For >50 To 100, Deduct	-130.50	
			For >100 To 250, Deduct	-195.75	
			For >250 To 500, Deduct	-316.33	
			For >500 To 1,000, Deduct	-436.92	
			For >1,000, Deduct	-557.50	
26 56 19 00-0230			Post Top, LED Area Fixtures (General Electric EPAS) (26 56 19 00-0225)		
			Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0231	EA		3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	2,592.64	198.40
			For >50 To 100, Deduct	-129.63	
			For >100 To 250, Deduct	-194.45	
			For >250 To 500, Deduct	-314.16	
			For >500 To 1,000, Deduct	-433.87	
			For >1,000, Deduct	-553.58	
26 56 19 00-0232	EA		6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3).....	2,651.70	198.40
			For >50 To 100, Deduct	-132.59	
			For >100 To 250, Deduct	-198.88	
			For >250 To 500, Deduct	-321.54	
			For >500 To 1,000, Deduct	-444.21	
			For >1,000, Deduct	-566.87	
26 56 19 00-0233			Post Top, LED Area Fixtures (General Electric EPTC) (26 56 19 00-0225)		
			Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0234	EA		3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	1,793.00	198.40
			For >50 To 100, Deduct	-89.65	
			For >100 To 250, Deduct	-134.48	
			For >250 To 500, Deduct	-214.20	
			For >500 To 1,000, Deduct	-293.93	
			For >1,000, Deduct	-373.66	
26 56 19 00-0235	EA		6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,881.39	198.40
			For >50 To 100, Deduct	-94.07	
			For >100 To 250, Deduct	-141.10	
			For >250 To 500, Deduct	-225.25	
			For >500 To 1,000, Deduct	-309.40	
			For >1,000, Deduct	-393.55	
26 56 19 00-0236			Post Top, LED Area Fixtures (General Electric EPST) (26 56 19 00-0225)		
			Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0237	EA		3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	1,391.22	198.40
			For >50 To 100, Deduct	-69.56	
			For >100 To 250, Deduct	-104.34	
			For >250 To 500, Deduct	-163.98	
			For >500 To 1,000, Deduct	-223.62	
			For >1,000, Deduct	-283.26	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting

MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 19 00-0238	EA	6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	1,479.61	198.40
		For >50 To 100, Deduct	-73.98	
		For >100 To 250, Deduct	-110.97	
		For >250 To 500, Deduct	-175.03	
		For >500 To 1,000, Deduct	-239.09	
		For >1,000, Deduct	-303.15	
26 56 19 00-0239		Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) (26 56 19 00-0229) Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0240	EA	13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	3,224.52	198.40
		For >50 To 100, Deduct	-161.23	
		For >100 To 250, Deduct	-241.84	
		For >250 To 500, Deduct	-393.14	
		For >500 To 1,000, Deduct	-544.45	
		For >1,000, Deduct	-695.76	
26 56 19 00-0241		LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) (26 56 19 00-0225) Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0242	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	894.29	108.22
		For 0 To 10 Volt Dimming, Add	65.65	
		For >50 To 100, Deduct	-44.71	
		For >100 To 250, Deduct	-67.07	
		For >250 To 500, Deduct	-106.38	
		For >500 To 1,000, Deduct	-145.68	
		For >1,000, Deduct	-184.98	
26 56 19 00-0243		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) (26 56 19 00-0225) Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0244	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	561.09	23.09
		For Backlight Control Shield, Add	43.68	
		For >50 To 100, Deduct	-28.05	
		For >100 To 250, Deduct	-42.08	
		For >250 To 500, Deduct	-67.83	
		For >500 To 1,000, Deduct	-93.57	
		For >1,000, Deduct	-119.32	
26 56 19 00-0245		Surface Mount, LED Strip Fixtures (Sylvania) (26 56 19 00-0156)		
26 56 19 00-0246	EA	4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D)	542.38	43.35
		For >50 To 100, Deduct	-27.12	
		For >100 To 250, Deduct	-40.68	
		For >250 To 500, Deduct	-66.17	
		For >500 To 1,000, Deduct	-91.66	
		For >1,000, Deduct	-117.15	
26 56 21		HID Exterior Lighting (26 56)		
26 56 21 00-0001		High Mast Fixtures (26 56 21)		
26 56 21 00-0002		Metal Halide, High Mast Fixtures (26 56 21 00-0001)		
26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,020.90	178.59
26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,159.58	178.59
26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,141.68	204.04
26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,224.89	204.04
26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,251.30	255.04
26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,334.51	255.04
26 56 21 00-0009		High Pressure Sodium, High Mast Fixtures (26 56 21 00-0001)		
26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	2,087.71	178.59
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,170.92	178.59
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,526.21	188.80
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,588.21	204.04
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,739.43	255.04
26 56 21 00-0015		HID, Pole Mounted (26 56 21)		
26 56 21 00-0016		Metal Halide, Pole Mounted (26 56 21 00-0015)		
26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	760.23	291.22
26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	856.74	316.12
26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,000.65	340.06
26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,265.62	398.55
26 56 21 00-0021		High Pressure Sodium, Pole Mounted (26 56 21 00-0015)		

		Electrical	26	26
		Lighting	26 50	
		Exterior Lighting	26 56	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	866.39	340.06
26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	892.29	340.06
26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	933.52	340.06
26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,042.62	340.06
26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,203.57	340.06
26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,212.96	340.06
26 56 21 00-0028 Low Pressure Sodium, Pole Mounted (26 56 21 00-0015)				
26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	771.33	184.99
26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	827.81	272.05
26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	977.11	272.05
26 56 21 00-0032 Metal Halide, Area Fixtures (26 56 21)				
26 56 21 00-0033 Metal Halide, Pole Mount, Area Fixtures (26 56 21 00-0032)				
Note: Includes pulse start ballast.				
26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	1,192.55	179.91
26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	1,308.67	197.89
26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	1,447.43	215.89
26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	1,529.57	251.87
26 56 21 00-0038 High Pressure Sodium, Area Fixtures (26 56 21)				
26 56 21 00-0039 Pole Mount, High Pressure Sodium Area Fixtures (26 56 21 00-0038)				
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	991.04	143.92
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,077.33	179.91
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,167.46	215.89
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,229.55	251.87
26 56 21 00-0044 Surface Mounted, Rectangular Exterior Area Fixture (26 56 21)				
26 56 21 00-0045 Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture (26 56 21 00-0044)				
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	713.52	272.05
For Round Body, Add			40.39	
For Spherical Dome Body, Add			79.20	
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	813.87	306.06
For Round Body, Add			49.08	
For Spherical Dome Body, Add			96.24	
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	976.84	340.06
For Round Body, Add			65.47	
For Spherical Dome Body, Add			128.38	
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,243.48	398.55
For Round Body, Add			74.24	
For Spherical Dome Body, Add			145.57	
26 56 21 00-0050 High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture (26 56 21 00-0044)				
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	687.51	232.60
For Round Body, Add			44.30	
For Spherical Dome Body, Add			86.86	
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	747.35	247.56
For Round Body, Add			49.48	
For Spherical Dome Body, Add			97.01	
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	805.83	261.16
For Round Body, Add			54.18	
For Spherical Dome Body, Add			106.24	
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	832.69	272.05
For Round Body, Add			55.58	
For Spherical Dome Body, Add			108.99	
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	925.07	306.06
For Round Body, Add			63.26	
For Spherical Dome Body, Add			124.04	
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	998.07	340.06
For Round Body, Add			68.18	
For Spherical Dome Body, Add			133.68	
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,370.87	398.55
For Round Body, Add			90.48	
For Spherical Dome Body, Add			177.41	
26 56 21 00-0058 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21)				
26 56 21 00-0059 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0058)				
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.				
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	848.60	183.63
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	879.62	204.04
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	939.45	232.60
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	965.05	247.56

26 Electrical**26 50 Lighting****26 56 Exterior Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	991.53	261.16
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,038.98	272.05
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,138.85	306.06
26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,384.87	340.06

26 56 21 00-0068 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior**Area Fixtures** (26 56 21 00-0058)

Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.

26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	934.08	204.04
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	985.63	232.60
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,018.97	247.56
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,062.03	261.16
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,085.23	272.05
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,187.47	306.06
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,514.08	340.06

26 56 21 00-0076 Wall Packs (26 56 21)**26 56 21 00-0077 Non-Cutoff, Polycarbonate Lens, Mini Wall Packs** (26 56 21 00-0076)

Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.

26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	383.59	64.82
26 56 21 00-0079	EA	50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	411.37	64.82
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	411.37	64.82
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	546.07	64.82

26 56 21 00-0082 Semi-Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)

Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.

26 56 21 00-0083	EA	42 Watt Compact Fluorescent, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack.....	763.49	64.82
26 56 21 00-0084	EA	50 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack.....	773.49	64.82
26 56 21 00-0085	EA	70 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack.....	782.13	64.82
26 56 21 00-0086	EA	100 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack.....	766.37	64.82
26 56 21 00-0087	EA	70 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack.....	701.54	64.82
26 56 21 00-0088	EA	100 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack.....	665.94	64.82

26 56 21 00-0089 Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)

Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.

26 56 21 00-0090	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	804.50	64.82
26 56 21 00-0091	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	813.61	64.82
26 56 21 00-0092	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	797.87	64.82
26 56 21 00-0093	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	810.55	64.82
26 56 21 00-0094	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	810.55	64.82

26 56 21 00-0095 Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076)

Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.

26 56 21 00-0096	EA	70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	764.61	86.35
26 56 21 00-0097	EA	100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	764.61	86.35
26 56 21 00-0098	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	715.82	86.35
26 56 21 00-0099	EA	70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	734.52	86.35
26 56 21 00-0100	EA	100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	734.52	86.35
26 56 21 00-0101	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	680.43	86.35

26 56 21 00-0102 Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076)

Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.

26 56 21 00-0103	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	793.51	86.35
26 56 21 00-0104	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	793.51	86.35
26 56 21 00-0105	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	793.51	86.35
26 56 21 00-0106	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	764.82	86.35
26 56 21 00-0107	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	764.82	86.35
26 56 21 00-0108	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	764.82	86.35

26 56 21 00-0109 Full Cutoff, Tempered Glass Lens, Small Wall Packs (26 56 21 00-0076)

Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.

26 56 21 00-0110	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	1,027.02	86.35
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26 56 21 00-0111 Cutoff, Borosilicate Glass Lens, Medium Wall Packs (26 56 21 00-0076)

Note: Aluminum body and reflector. Lithonia TWR2.

26 56 21 00-0112	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	963.66	106.97
Note: 9-1/4" x 17-7/8" x 9-3/8".				
26 56 21 00-0113	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	1,029.80	106.97
Note: 9-1/4" x 17-7/8" x 12-1/2".				
26 56 21 00-0114	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	1,108.65	106.97
Note: 9-1/4" x 17-7/8" x 9-3/8".				
26 56 21 00-0115	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	1,130.35	106.97
Note: 9-1/4" x 17-7/8" x 12-1/2".				

26 56 21 00-0116 Cutoff, Tempered Glass Lens, Medium Wall Packs (26 56 21 00-0076)

Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0117	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,048.73	106.97
26 56 21 00-0118	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,123.04	106.97
26 56 21 00-0119		Non-Cutoff, Polycarbonate Lens, Large Wall Packs (26 56 21 00-0076) Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120	EA	100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	966.12	129.66
26 56 21 00-0121	EA	175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	887.41	129.66
26 56 21 00-0122	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	947.90	129.66
26 56 21 00-0123	EA	100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	953.93	129.66
26 56 21 00-0124	EA	150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	960.24	129.66
26 56 21 00-0125		Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs (26 56 21 00-0076) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	966.14	129.66
26 56 21 00-0127	EA	250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	992.40	129.66
26 56 21 00-0128	EA	400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,071.11	129.66
26 56 21 00-0129	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,018.64	129.66
26 56 21 00-0130	EA	250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,044.91	129.66
26 56 21 00-0131	EA	400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,097.33	129.66
26 56 21 00-0132		Semi-Cutoff, Induction Wall Packs (26 56 21 00-0076)		
26 56 21 00-0133		Semi-Cutoff, Induction Wall Packs (Everlast®) (26 56 21 00-0132) Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134	EA	70 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	1,250.77	122.65
26 56 21 00-0135	EA	80 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	1,276.40	129.87
26 56 21 00-0136	EA	100 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	1,302.03	137.08
26 56 21 00-0137	EA	120 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	1,450.90	144.29
26 56 21 00-0138		Non-Cutoff, Polycarbonate Lens, Small Wall Packs (26 56 21 00-0076)		
26 56 21 00-0139	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPK1N/015UNV740/NC/BZ/P)	395.83	64.82
26 56 21 00-0140		Induction, Roadway Lighting (26 56 21)		
26 56 21 00-0141		Induction Roadway Lighting (US Lighting Tech) (26 56 21 00-0140) Note: Includes gray powder coat finish heavy-duty die cast aluminum body and flat glass lens.		
26 56 21 00-0142	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	695.19	216.44
26 56 21 00-0143	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	761.06	223.66
26 56 21 00-0144	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	789.93	238.09
26 56 21 00-0145	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	818.78	252.52
26 56 21 00-0146	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	951.51	259.73
26 56 21 00-0147	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	970.05	266.94
26 56 21 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	651.99	216.44
26 56 21 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	724.03	223.66
26 56 21 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	752.90	238.09
26 56 21 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	781.75	252.52
26 56 21 00-0152		Induction, Area Fixtures (26 56 21)		
26 56 21 00-0153		Post Top, Induction Area Fixtures (26 56 21 00-0152)		
26 56 21 00-0154		Post Top, Induction Area Fixtures (US Lighting Tech) (26 56 21 00-0153) Note: Includes black powder coat finish heavy-duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0155	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	768.17	198.40
26 56 21 00-0156	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	827.83	198.40
26 56 21 00-0157	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	827.83	198.40
26 56 21 00-0158	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	827.83	198.40
26 56 21 00-0159		Surface Mount, Induction Parking Structure Fixtures (26 56 21 00-0152)		
26 56 21 00-0160		Surface Mount, Induction Parking Structure Fixtures (Everlast®) (26 56 21 00-0159)		
26 56 21 00-0161	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	697.89	180.37
26 56 21 00-0162	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	740.08	183.98
26 56 21 00-0163	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	751.40	187.59
26 56 21 00-0164	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	762.74	191.19
26 56 21 00-0165	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	774.06	194.80
26 56 21 00-0166	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	789.51	198.40
26 56 21 00-0167	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	811.07	187.59
26 56 21 00-0168	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	822.40	191.19
26 56 21 00-0169	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	833.73	194.80
26 56 21 00-0170	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	866.66	198.40
26 56 21 00-0171		Pole Mount, Induction Area Fixtures (26 56 21 00-0152)		

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
26 56 21 00-0172		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) (26 56 21 00-0171)				
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.				
26 56 21 00-0173	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)		1,306.78		122.65
26 56 21 00-0174	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)		1,343.62		129.87
26 56 21 00-0175	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)		1,380.45		137.08

END OF SECTION 26

		Communications	27
		Common Work Results for Communications	27 05
		Grounding and Bonding for Communications Systems	27 05 26
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	1,088.31	132.72
		Note: Excludes terminations.		
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	1,391.97	177.00
		Note: Excludes terminations.		
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	2,204.05	265.42
		Note: Excludes terminations.		
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit	13.15	1.95
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	86.79	35.06
27 05 26 00-0006	EA	2" x 1/4" x 12", G Pattern, Grounding Bus Bar.....	193.63	35.06
27 05 26 00-0007	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	208.55	35.06
27 05 26 00-0008	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	394.74	35.06
27 05 26 00-0009	EA	#6 AWG, Cable Runway Ground Strap	78.59	6.49
27 05 26 00-0010	EA	1/4" Screw Size, #6 AWG Compression Lug	27.57	6.49
27 05 26 00-0011	EA	3/8" Screw Size, #6 AWG Compression Lug	29.36	6.49
27 05 26 00-0012	EA	Two Mounting Hole, Ground Terminal Block	32.69	6.49

27 05 29 Hangers and Supports for Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	10.12	3.24
		For >50 To 100, Deduct	-0.42	
		For >100 To 250, Deduct	-0.83	
		For >250 To 500, Deduct	-1.57	
		For >500, Deduct	-2.31	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.72	
		For Work In Restricted Working Space, Add	1.95	
		For Painted Powder Coated Finish, Add	0.74	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	10.68	3.24
		For >50 To 100, Deduct	-0.43	
		For >100 To 250, Deduct	-0.86	
		For >250 To 500, Deduct	-1.61	
		For >500, Deduct	-2.37	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.72	
		For Work In Restricted Working Space, Add	1.95	
		For Painted Powder Coated Finish, Add	2.58	
		For Low Friction Xylan® Coated Finish, Add	9.20	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	11.55	3.24
		For >50 To 100, Deduct	-0.45	
		For >100 To 250, Deduct	-0.90	
		For >250 To 500, Deduct	-1.68	
		For >500, Deduct	-2.45	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.72	
		For Work In Restricted Working Space, Add	1.95	
		For Painted Powder Coated Finish, Add	3.17	
		For Low Friction Xylan® Coated Finish, Add	11.44	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	19.08	3.24
		For >50 To 100, Deduct	-0.64	
		For >100 To 250, Deduct	-1.28	
		For >250 To 500, Deduct	-2.24	
		For >500, Deduct	-3.21	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.72	
		For Work In Restricted Working Space, Add	1.95	
		For Painted Powder Coated Finish, Add	1.69	
		For Low Friction Xylan® Coated Finish, Add	10.14	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB).....	11.44	3.24
		For >50 To 100, Deduct	-0.45	
		For >100 To 250, Deduct	-0.90	
		For >250 To 500, Deduct	-1.67	
		For >500, Deduct	-2.44	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.72	
		For Work In Restricted Working Space, Add	1.95	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	14.83	3.24
		For >50 To 100, Deduct	-0.53	
		For >100 To 250, Deduct	-1.07	
		For >250 To 500, Deduct	-1.92	
		For >500, Deduct	-2.78	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.72	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	16.48	3.24
		For >50 To 100, Deduct	-0.57	
		For >100 To 250, Deduct	-1.15	
		For >250 To 500, Deduct	-2.05	
		For >500, Deduct	-2.95	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.72	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	22.38	3.24
		For >50 To 100, Deduct	-0.72	
		For >100 To 250, Deduct	-1.44	
		For >250 To 500, Deduct	-2.49	
		For >500, Deduct	-3.54	
		For Installation On Concrete (Includes Drilling And Fastener), Add	1.72	
		For Work In Restricted Working Space, Add	1.95	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	12.07	3.24
		For >50 To 100, Deduct	-0.46	
		For >100 To 250, Deduct	-0.93	
		For >250 To 500, Deduct	-1.72	
		For >500, Deduct	-2.51	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	14.33	3.24
		For >50 To 100, Deduct	-0.52	
		For >100 To 250, Deduct	-1.04	
		For >250 To 500, Deduct	-1.89	
		For >500, Deduct	-2.73	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	15.50	3.24
		For >50 To 100, Deduct	-0.55	
		For >100 To 250, Deduct	-1.10	
		For >250 To 500, Deduct	-1.97	
		For >500, Deduct	-2.85	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	21.08	3.24
		For >50 To 100, Deduct	-0.69	
		For >100 To 250, Deduct	-1.38	
		For >250 To 500, Deduct	-2.39	
		For >500, Deduct	-3.41	
		For Work In Restricted Working Space, Add	1.95	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	14.54	3.24
		For >50 To 100, Deduct	-0.53	
		For >100 To 250, Deduct	-1.05	
		For >250 To 500, Deduct	-1.90	
		For >500, Deduct	-2.75	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	18.36	3.24
		For >50 To 100, Deduct	-0.62	
		For >100 To 250, Deduct	-1.24	
		For >250 To 500, Deduct	-2.19	
		For >500, Deduct	-3.13	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	19.36	3.24
		For >50 To 100, Deduct	-0.65	
		For >100 To 250, Deduct	-1.29	
		For >250 To 500, Deduct	-2.26	
		For >500, Deduct	-3.23	
		For Work In Restricted Working Space, Add	1.95	

27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)

Note: Excludes threaded rod. See CSI section 26 05 29 00-0403 for threaded rod.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	11.77	3.24
		For >50 To 100, Deduct	-0.46	
		For >100 To 250, Deduct	-0.91	
		For >250 To 500, Deduct	-1.69	
		For >500, Deduct	-2.48	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6).....	12.29	3.24
		For >50 To 100, Deduct	-0.47	
		For >100 To 250, Deduct	-0.94	
		For >250 To 500, Deduct	-1.73	
		For >500, Deduct	-2.53	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	14.93	3.24
		For >50 To 100, Deduct	-0.54	
		For >100 To 250, Deduct	-1.07	
		For >250 To 500, Deduct	-1.93	
		For >500, Deduct	-2.79	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)				
Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0403 for threaded rod, nuts and washers.				
27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	14.63	3.24
		For >50 To 100, Deduct	-0.53	
		For >100 To 250, Deduct	-1.06	
		For >250 To 500, Deduct	-1.91	
		For >500, Deduct	-2.76	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	15.87	3.24
		For >50 To 100, Deduct	-0.56	
		For >100 To 250, Deduct	-1.12	
		For >250 To 500, Deduct	-2.00	
		For >500, Deduct	-2.89	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	22.03	3.24
		For >50 To 100, Deduct	-0.71	
		For >100 To 250, Deduct	-1.43	
		For >250 To 500, Deduct	-2.46	
		For >500, Deduct	-3.50	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) (27 05 29 00-0001)				
27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	14.46	3.24
		For >50 To 100, Deduct	-0.52	
		For >100 To 250, Deduct	-1.05	
		For >250 To 500, Deduct	-1.90	
		For >500, Deduct	-2.74	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	16.67	3.24
		For >50 To 100, Deduct	-0.58	
		For >100 To 250, Deduct	-1.16	
		For >250 To 500, Deduct	-2.06	
		For >500, Deduct	-2.97	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	17.84	3.24
		For >50 To 100, Deduct	-0.61	
		For >100 To 250, Deduct	-1.22	
		For >250 To 500, Deduct	-2.15	
		For >500, Deduct	-3.08	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	24.27	3.24
		For >50 To 100, Deduct	-0.77	
		For >100 To 250, Deduct	-1.54	
		For >250 To 500, Deduct	-2.63	
		For >500, Deduct	-3.73	
		For Work In Restricted Working Space, Add	1.95	
27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) (27 05 29)				

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	41.25	4.28
		For >50 To 100, Deduct	-1.36	
		For >100 To 250, Deduct	-2.71	
		For >250 To 500, Deduct	-4.72	
		For >500, Deduct	-6.72	
		For Installation On Concrete (Includes Drilling And Fastener), Add	3.34	
		For Work In Restricted Working Space, Add	3.89	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	42.08	4.28
		For >50 To 100, Deduct	-1.38	
		For >100 To 250, Deduct	-2.75	
		For >250 To 500, Deduct	-4.78	
		For >500, Deduct	-6.80	
		For Work In Restricted Working Space, Add	3.89	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	46.38	4.28
		For >50 To 100, Deduct	-1.48	
		For >100 To 250, Deduct	-2.97	
		For >250 To 500, Deduct	-5.10	
		For >500, Deduct	-7.23	
		For Work In Restricted Working Space, Add	3.89	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	41.11	4.28
		For >50 To 100, Deduct	-1.35	
		For >100 To 250, Deduct	-2.70	
		For >250 To 500, Deduct	-4.70	
		For >500, Deduct	-6.71	
		For Work In Restricted Working Space, Add	3.89	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	43.11	4.28
		For >50 To 100, Deduct	-1.40	
		For >100 To 250, Deduct	-2.80	
		For >250 To 500, Deduct	-4.85	
		For >500, Deduct	-6.91	
		For Work In Restricted Working Space, Add	3.89	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	45.08	4.28
		For >50 To 100, Deduct	-1.45	
		For >100 To 250, Deduct	-2.90	
		For >250 To 500, Deduct	-5.00	
		For >500, Deduct	-7.10	
		For Work In Restricted Working Space, Add	3.89	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	42.43	4.28
		For >50 To 100, Deduct	-1.39	
		For >100 To 250, Deduct	-2.77	
		For >250 To 500, Deduct	-4.80	
		For >500, Deduct	-6.84	
		For Work In Restricted Working Space, Add	3.89	

27 05 33 Conduits and Back Boxes for Communications Systems ^(27 05)

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays for Communications Systems ^(27 05)

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways for Communications Systems ^(27 05)

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems ^(27 05)

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems ^(27 05)

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems ^(27 05)

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling ⁽²⁷⁾

Note: Includes identifying, tagging and testing.

27 11 Communications Equipment Room Fittings ^(27 10)**27 11 16 Communications Cabinets, Racks, Frames, and Enclosures** ^(27 11)

See CSI section 26 27 16 00-0000 for cabinets and enclosures.

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards ^(27 11 16)

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard	102.50	33.71
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	61.47	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard	205.01	67.42
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	122.95	

27 11 16 00-0004 Terminal Cabinets ^(27 11 16)

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	404.34	97.24
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	513.73	106.97
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	591.12	123.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 11 16 00-0008	EA		18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	613.69	126.41
27 11 16 00-0009	EA		24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	755.12	129.66
27 11 16 00-0010	EA		26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	937.58	145.86
27 11 16 00-0011	EA		24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	961.07	142.62
27 11 16 00-0012	EA		30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,231.25	203.17
27 11 16 00-0013	EA		36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,316.04	223.27
27 11 16 00-0014	EA		42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,596.15	235.85
27 11 16 00-0015	EA		30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,318.37	194.48
27 11 16 00-0016	EA		36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,425.75	210.70
27 11 16 00-0017	EA		48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,776.12	270.08
27 11 16 00-0018	EA		54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	2,130.28	337.63
27 11 16 00-0019	EA		48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,424.73	333.87
27 11 16 00-0020	EA		60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,780.90	406.21

27 11 16 00-0021 **Equipment Racks And Cable Managers** (27 11 16)

27 11 16 00-0022 **Equipment Racks** (27 11 16 00-0021)

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 **Standard Equipment Racks** (27 11 16 00-0022)

27 11 16 00-0024 **19" Width, Standard Equipment Racks** (27 11 16 00-0023)

27 11 16 00-0025	EA		84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03).....	605.43	207.45
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	9.53	
27 11 16 00-0026	EA		96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15).....	816.81	220.42
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	18.80	
27 11 16 00-0027	EA		108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08).....	880.72	233.38
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.70	

27 11 16 00-0028 **Universal Equipment Racks** (27 11 16 00-0022)

27 11 16 00-0029 **Universal Equipment Racks** (27 11 16 00-0028)

27 11 16 00-0030 **19" Width, EIA Universal Equipment Racks** (27 11 16 00-0029)

27 11 16 00-0031	EA		36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31).....	757.04	181.52
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.70	
27 11 16 00-0032	EA		48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20).....	822.56	184.76
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.65	
27 11 16 00-0033	EA		60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19).....	822.69	188.00
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.33	
27 11 16 00-0034	EA		66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00).....	843.28	191.25
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.04	
27 11 16 00-0035	EA		72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01).....	863.64	194.48
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.73	
27 11 16 00-0036	EA		78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02).....	885.61	197.73
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.51	
27 11 16 00-0037	EA		84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03).....	765.80	200.97
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	18.19	
27 11 16 00-0038	EA		90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05).....	928.33	204.21
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.00	
27 11 16 00-0039	EA		96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15).....	959.82	207.45
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.25	
27 11 16 00-0040	EA		102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17).....	987.45	210.70
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.30	
27 11 16 00-0041	EA		108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08).....	995.00	213.93
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.36	

27 11 16 00-0042 **23" Width, Universal Equipment Racks** (27 11 16 00-0029)

27 11 16 00-0043	EA		36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	797.47	181.52
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.72	
27 11 16 00-0044	EA		48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	824.06	184.76
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.73	
27 11 16 00-0045	EA		60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	847.59	188.00
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.58	
27 11 16 00-0046	EA		66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	890.63	191.25
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.41	
27 11 16 00-0047	EA		72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	912.39	194.48
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.17	
27 11 16 00-0048	EA		78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	935.97	197.73
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.03	
27 11 16 00-0049	EA		84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	816.74	200.97
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.74	
27 11 16 00-0050	EA		90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	981.78	204.21
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.67	
27 11 16 00-0051	EA		96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	1,015.80	207.45
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.05	
27 11 16 00-0052	EA		102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	1,045.64	210.70
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	31.21	
27 11 16 00-0053	EA		108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	1,053.28	213.93
			For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	31.27	

27 11 16 00-0054 **35" Width, Universal Equipment Racks** (27 11 16 00-0029)

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	980.92	194.48
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.60	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	1,031.66	200.97
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	31.49	

27 11 16 00-0057 UL Listed Universal Equipment Racks (27 11 16 00-0028)
 Note: UL listed as a communications circuit accessory.

27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)

27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	796.45	181.52
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	21.67	
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	857.04	184.76
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.38	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	870.32	188.00
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	24.72	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	889.39	191.25
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.35	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	911.10	194.48
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.11	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	934.62	197.73
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.96	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	957.24	200.97
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.77	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	980.35	204.21
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.60	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	1,014.33	207.45
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.97	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	1,044.09	210.70
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	31.14	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	1,051.67	213.93
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	31.19	

27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)

27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	840.96	181.52
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.90	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	917.41	184.76
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.39	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	929.41	188.00
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.67	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	941.43	191.25
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.95	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	964.72	194.48
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.79	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	990.03	197.73
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.73	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	1,014.28	200.97
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.62	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	1,039.10	204.21
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	31.53	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	1,075.87	207.45
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	33.05	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	1,108.07	210.70
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	34.33	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	1,115.91	213.93
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	34.40	

27 11 16 00-0082 4-Post Equipment Racks And Server Frames (27 11 16 00-0022)

27 11 16 00-0083 4-Post Equipment Racks (27 11 16 00-0082)

27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03).....	1,595.15	324.14
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	47.34	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15).....	1,735.99	337.11
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	53.09	
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08).....	1,869.10	350.07
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	58.45	

27 11 16 00-0087 4-Post Server Frame (27 11 16 00-0082)

27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,636.79	324.14
		<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	49.43	

27 11 16 00-0089 Cable Managers (27 11 16 00-0021)

27 11 16 00-0090 Horizontal Cable Managers (27 11 16 00-0089)

27 11 16 00-0091 Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)

27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719).....	90.37	12.97
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723).....	100.14	12.97
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701).....	76.16	12.97
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719).....	91.84	12.97
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723).....	106.97	12.97
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702).....	83.88	12.97
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719).....	122.33	12.97
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723).....	138.65	12.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 11 16 00-0100	EA		3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	99.34	12.97
27 11 16 00-0101			Double-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
27 11 16 00-0102	EA		1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	111.20	12.97
27 11 16 00-0103	EA		1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	124.09	12.97
27 11 16 00-0104	EA		2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	116.78	12.97
27 11 16 00-0105	EA		2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	135.23	12.97
27 11 16 00-0106	EA		3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	149.86	12.97
27 11 16 00-0107	EA		3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	167.30	12.97
27 11 16 00-0108			Vertical Cable Managers (27 11 16 00-0089)		
27 11 16 00-0109			Single-Sided, Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0110	EA		3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	199.24	19.45
27 11 16 00-0111	EA		6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	278.44	19.45
27 11 16 00-0112	EA		10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	444.57	19.45
27 11 16 00-0113	EA		12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	502.53	19.45
27 11 16 00-0114	EA		3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	212.76	19.45
27 11 16 00-0115	EA		6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	299.69	19.45
27 11 16 00-0116	EA		10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	483.21	19.45
27 11 16 00-0117	EA		12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	541.16	19.45
27 11 16 00-0118	EA		3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	239.80	19.45
27 11 16 00-0119	EA		6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	328.67	19.45
27 11 16 00-0120	EA		10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	541.16	19.45
27 11 16 00-0121	EA		12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	599.12	19.45
27 11 16 00-0122			Double-Sided, Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0123	EA		3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	286.17	19.45
27 11 16 00-0124	EA		6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	336.39	19.45
27 11 16 00-0125	EA		10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	541.16	19.45
27 11 16 00-0126	EA		12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	637.75	19.45
27 11 16 00-0127	EA		3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	309.35	19.45
27 11 16 00-0128	EA		6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	359.58	19.45
27 11 16 00-0129	EA		10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	579.80	19.45
27 11 16 00-0130	EA		12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	676.39	19.45
27 11 16 00-0131	EA		3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	340.26	19.45
27 11 16 00-0132	EA		6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	390.48	19.45
27 11 16 00-0133	EA		10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	637.75	19.45
27 11 16 00-0134	EA		12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	734.34	19.45
27 11 16 00-0135			Accessories For Vertical Cable Managers (27 11 16 00-0108)		
27 11 16 00-0136	EA		Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	122.52	12.97
27 11 16 00-0137	EA		Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	130.25	12.97
27 11 16 00-0138	EA		Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	137.97	12.97
27 11 16 00-0139	EA		Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	126.38	12.97
27 11 16 00-0140	EA		Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	137.97	12.97
27 11 16 00-0141	EA		Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	149.56	12.97
27 11 16 00-0142	EA		Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	141.84	12.97
27 11 16 00-0143	EA		Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	153.43	12.97
27 11 16 00-0144	EA		Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	165.02	12.97
27 11 16 00-0145	EA		Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	149.56	12.97
27 11 16 00-0146	EA		Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	165.02	12.97
27 11 16 00-0147	EA		Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	176.61	12.97
27 11 16 00-0148	EA		Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	103.20	12.97
27 11 16 00-0149	EA		Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	118.66	12.97
27 11 16 00-0150	EA		Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	123.87	12.97
27 11 16 00-0151	EA		Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	80.02	12.97
27 11 19			Communications Termination Blocks and Patch Panels (27 11)		
			Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.		
27 11 19 00-0001			Computer Network Components (27 11 19)		
27 11 19 00-0002			Ethernet Patch Panels (27 11 19 00-0001)		
27 11 19 00-0003	EA		12 Port, Category 5E Patch Panel	276.79	64.82
27 11 19 00-0004	EA		24 Port, Category 5E Patch Panel	402.33	64.82
27 11 19 00-0005	EA		32 Port, Category 5E Patch Panel	521.12	64.82
27 11 19 00-0006	EA		48 Port, Category 5E Patch Panel	631.80	64.82
27 11 19 00-0007	EA		64 Port, Category 5E Patch Panel	993.58	81.04
27 11 19 00-0008	EA		96 Port, Category 5E Patch Panel	1,160.97	97.24
27 11 19 00-0009	EA		12 Port, Category 6 Patch Panel	374.25	64.82
27 11 19 00-0010	EA		24 Port, Category 6 Patch Panel	410.43	64.82
27 11 19 00-0011	EA		48 Port, Category 6 Patch Panel	691.20	64.82
27 11 19 00-0012	EA		96 Port, Category 6 Patch Panel	1,274.36	97.24
27 11 19 00-0013	EA		16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	803.14	97.24
27 11 19 00-0014	EA		16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	844.56	97.24
27 11 19 00-0015	EA		12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	317.04	64.82
27 11 19 00-0016	EA		Terminate One End Of A 4 Pair Cable To Category "X" Specifications	45.93	
			For >5 To 10 Cables, Deduct	-8.27	
			For >10 Cables, Deduct	-18.37	

27 Communications**27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires.....	12.63	
		Note: Per each pair		
		For >20 To 40 Pairs, Deduct	-2.02	
		For >40 Pairs, Deduct	-4.80	
27 11 19 00-0018		Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)		
27 11 19 00-0019		Fiber Optic Cable Connector Housings (27 11 19 00-0018)		
27 11 19 00-0020		Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	154.78	29.17
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	229.83	29.17
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	340.87	29.17
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	503.43	48.62
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	701.13	48.62
27 11 19 00-0026		Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	528.10	48.62
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	599.07	48.62
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	645.18	48.62
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	756.59	48.62
27 11 19 00-0031		Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0019)		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	652.88	48.62
		For Splice Tray Bracket, Add	82.74	
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	765.01	48.62
		For Splice Tray Bracket, Add	90.48	
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	953.97	48.62
		For Splice Tray Bracket, Add	329.62	
27 11 19 00-0035		Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0019)		
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	965.23	48.62
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,239.53	48.62
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,405.82	48.62
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,829.91	48.62
27 11 19 00-0040		Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0019)		
		Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	740.28	29.17
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	1,023.84	48.62
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	1,074.46	48.62
27 11 19 00-0044		Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0019)		
		Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	775.26	29.17
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,023.22	48.62
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,202.31	48.62
27 11 19 00-0048		Fiber Optic Cable Connector Panels (27 11 19 00-0018)		
27 11 19 00-0049		SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	101.84	6.48
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	110.53	6.48
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	124.02	6.48
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	135.60	6.48
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	168.40	6.48
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	185.73	6.48
27 11 19 00-0056		SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	98.00	6.48
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	100.04	6.48
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	118.93	6.48
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	121.64	6.48
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	160.76	6.48
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	164.80	6.48
27 11 19 00-0063		LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		

MINOR			TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST	
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	123.08		6.48	
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	135.22		6.48	
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	150.94		6.48	
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	167.14		6.48	
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	176.40		6.48	
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	196.85		6.48	
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	262.51		6.48	
27 11 19 00-0071	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	294.83		6.48	
27 11 19 00-0072	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	374.03		6.48	
27 11 19 00-0073	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	327.00		6.48	
27 11 19 00-0074 ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)						
27 11 19 00-0075	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	84.64		6.48	
27 11 19 00-0076	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	91.21		6.48	
27 11 19 00-0077	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	101.09		6.48	
27 11 19 00-0078	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	109.86		6.48	
27 11 19 00-0079	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	133.97		6.48	
27 11 19 00-0080	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	147.14		6.48	
27 11 19 00-0081 MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0048)						
27 11 19 00-0082	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	105.23		6.48	
27 11 19 00-0083	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	157.49		6.48	
27 11 19 00-0084 Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0048)						
27 11 19 00-0085	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,073.39		6.48	
27 11 19 00-0086	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,077.12		6.48	
27 11 19 00-0087 Fiber Optic Cable Splice Housings (27 11 19 00-0018)						
27 11 19 00-0088 Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)						
Note: Includes mounting hardware. Excludes splice trays.						
27 11 19 00-0089	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	405.90		64.82	
27 11 19 00-0090 Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)						
Note: Includes mounting hardware. Excludes splice trays.						
27 11 19 00-0091	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	616.46		48.62	
27 11 19 00-0092	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	636.12		48.62	
27 11 19 00-0093 Fiber Optic Cable Splice Trays (27 11 19 00-0087)						
27 11 19 00-0094	EA	Fiber Optic Cable Splice Tray	116.95		16.20	
27 11 19 00-0095 Fiber Optic Cable Jumper Management Panels (27 11 19 00-0018)						
Note: Includes mounting hardware.						
27 11 19 00-0096	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	220.75		48.62	
27 11 19 00-0097 Miscellaneous Accessories (27 11 19 00-0001)						
27 11 19 00-0098	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	71.92			
27 11 19 00-0099	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	95.52			
27 11 19 00-0100	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	104.48			
27 11 19 00-0101	EA	Wall Mount Bracket For 96 Port Patch Panel	116.51			
27 11 19 00-0102	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	549.51		64.82	
27 11 19 00-0103 Telephone Components (27 11 19)						
27 11 19 00-0104 Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0103)						
27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	38.14		12.99	
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG	72.59		12.99	
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG	58.49		12.99	
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	29.42		12.99	
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	20.86		9.09	
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG	39.63		12.99	
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG	29.42		12.99	
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG	20.64		9.09	
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG	20.49		9.09	
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG	21.17		9.09	
27 11 19 00-0115 Terminal Block Mounting Channel (27 11 19 00-0103)						
27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	20.16		6.49	
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	25.97		6.49	
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	36.19		6.49	
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	25.79		7.79	
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	35.46		7.79	
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	51.41		7.79	

27 Communications
27 10 Structured Cabling
27 11 Communications Equipment Room Fittings

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 11 19 00-0122		Outlet Termination Hardware (27 11 19 00-0103)		
27 11 19 00-0123	EA	Telephone Outlet Blocks.....	38.83	6.49
27 11 19 00-0124	EA	Phone Outlet Block For Floor Box	108.92	49.27
		Note: Excludes box.		
27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead	95.70	29.17
27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead	95.70	29.17
27 11 19 00-0127	EA	Type "F" Coaxial Connector Male	56.02	19.45
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	144.18	32.42
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	144.18	32.42
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	173.74	32.42
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	173.74	32.42
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	158.18	32.42
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	1,369.81	162.07
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V	67.51	12.97
		Note: Excludes cable terminations.		
27 11 19 00-0135	EA	5-Pair, Connecting Block	4.05	1.29
27 11 19 00-0136	EA	4-Pair, Connecting Block	4.38	1.29
27 11 19 00-0137	EA	Plastic Label Holder, Transparent.....	16.41	3.24
27 11 19 00-0138	EA	Marked Label, White, 5-Pair	4.45	
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair	4.45	

27 11 19 00-0140		Terminations in Manhole or Junction Box (27 11 19 00-0103)		
27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box	207.45	
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box	414.90	
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box	829.80	
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box	1,244.70	
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box	1,456.04	
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box	2,183.41	
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box	2,746.12	
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box	3,433.30	
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box	5,149.92	
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	6,245.50	
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	7,118.20	

27 11 23 Communications Cable Management and Ladder Rack (27 11)

27 11 23 00-0001		Equipment Supports (27 11 23)		
27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133)	37.79	6.48
27 11 23 00-0003	LF	Velcro CMP	3.14	1.29
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway	129.74	31.11
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway	223.65	51.87
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway	41.07	9.72
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway	17.44	6.48
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway	18.55	6.48
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway	42.74	11.66
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	91.31	19.45
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway	8.25	2.86
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway	46.71	16.20

27 13 Communications Backbone Cabling (27 10)

27 13 13 Communications Copper Backbone Cabling (27 13)

27 13 13 13 Communications Copper Cable Splicing and Terminations (27 13 13)

27 13 13 13-0001		Modular Plugs For Copper Communications Cable (27 13 13 13)		
27 13 13 13-0002	EA	Modular Plug For Non Shielded Copper Communications Cable		32.44
		Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct		-3.88
		For >10, Deduct		-7.76
27 13 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable		37.07
		Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct		-4.37
		For >10, Deduct		-8.73

27 13 13 13-0004		Communications Termination Blocks (27 13 13 13)		
27 13 13 13-0005	EA	100-Pair, 110 Block With Legs.....	64.50	16.20
27 13 13 13-0006	EA	300-Pair, 110 Block With Legs.....	111.16	16.20
27 13 13 13-0007	EA	Clear Label Holder For 110 Wiring Block.....	13.88	6.48
27 13 13 13-0008	EA	4-Pair, 110C Connecting Block.....	7.89	3.24
27 13 13 13-0009	EA	5-Pair, 110C Connecting Block.....	8.06	3.24
27 13 13 13-0010	EA	100-Pair, 110 Jack Panel System.....	360.41	19.45
		Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0011	EA	300-Pair, 110 Jack Panel System.....	683.67	19.45
		Note: Includes twelve 8-pin modular jacks and mounting legs.		

27 13 13 13-0012		Testing And Certification Of Copper Communications Cable (27 13 13 13)		
		Note: Use for existing systems.		
27 13 13 13-0013	EA	Test 1-Pair Of A Copper Communications Cable For Continuity	6.48	
		For >25-Pair, Deduct	-2.59	

			Communications		27	27
			Structured Cabling		27 10	
			Communications Backbone Cabling		27 13	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
27 13 13 13-0014	EA		Certify 1-Pair Of A Copper Communications Cable <i>For >25-Pair, Deduct</i>	9.72 -3.88		
27 13 13 13-0015	EA		Certify And Document 1-Pair Of A Copper Communications Cable <i>For >25-Pair, Deduct</i>	15.56 -6.21		
27 13 13 13-0016	EA		Test 4-Pair Category 5-7 Telecommunications Cable For Continuity <i>For >25-Pair, Deduct</i>	25.93 -10.35		
27 13 13 13-0017	EA		Certify 4-Pair Category 5-7 Telecommunications Cable <i>For >25-Pair, Deduct</i>	38.90 -15.53		
27 13 13 13-0018	EA		Certify And Document 4-Pair Category 5-7 Telecommunications Cable <i>For >25-Pair, Deduct</i>	62.24 -24.84		
27 13 13 13-0019			Building Entrance Terminals (27 13 13 13)			
27 13 13 13-0020	EA		25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,977.10		284.30
27 13 13 13-0021	EA		50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	3,942.46		473.84
27 13 13 13-0022	EA		100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	5,551.16		758.74
27 13 23			Communications Optical Fiber Backbone Cabling (27 13)			
27 13 23 13			Communications Optical Fiber Splicing and Terminations (27 13 23)			
27 13 23 13-0001			Fiber Optic Cable Splice Closures (27 13 23 13) Note: Includes mounting hardware. Excludes splicing and splice trays.			
27 13 23 13-0002	EA		Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	1,020.09		129.66
27 13 23 13-0003	EA		Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,279.39		259.32
27 13 23 13-0004	EA		Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,279.39		259.32
27 13 23 13-0005	EA		Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	1,708.47		129.66
27 13 23 13-0006	EA		Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,967.77		259.32
27 13 23 13-0007	EA		Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,967.77		259.32
27 13 23 13-0008	EA		Splice Tray For Fiber Optic Cable Splice Closure..... Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.	70.77		16.20
27 13 23 13-0009			Fiber Optic Cable Splicing (27 13 23 13)			
27 13 23 13-0010	EA		Single Strand, Fusion Splice Of Fiber Optic Cable.....	38.90		
27 13 23 13-0011	EA		12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	129.66		
27 13 23 13-0012			Fiber Optic Cable Testing (27 13 23 13) Note: Price based on testing one wavelength.			
27 13 23 13-0013			Fiber Optic Cable Testing Using An OTDR (27 13 23 13-0012) Note: Testing using an optical time domain reflectometer.			
27 13 23 13-0014	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	25.93 -1.94 -2.59		
27 13 23 13-0015	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	38.90 -2.92 -3.89		
27 13 23 13-0016	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	64.82 -4.86 -6.48		
27 13 23 13-0017	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	97.24 -7.29 -9.72		
27 13 23 13-0018			Fiber Optic Cable Testing Using A Power Meter (27 13 23 13-0012)			
27 13 23 13-0019	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test..... <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	25.93 -1.94 -2.59		
27 13 23 13-0020	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	38.90 -2.92 -3.89		
27 13 23 13-0021			Fiber Optic Cable Light Source/Continuity Testing (27 13 23 13-0012)			
27 13 23 13-0022	EA		Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test <i>For >12 To 48 Strands, Deduct</i> <i>For >48 Strands, Deduct</i>	25.93 -1.94 -2.59		
27 13 23 13-0023			Other Fiber Optic Cable Splicing (27 13 23 13)			
27 13 23 13-0024	EA		Fiber Optic Finger Splice.....	44.88		24.38
27 13 23 13-0025	EA		Fiber Optic Splice Box - Manholes.....	7,015.76		
27 13 23 13-0026			Fiber Optic Cable Fan Out Kits (27 13 23 13)			
27 13 23 13-0027			Buffer Tube Fan Out Kits For Fiber Optic Cable (27 13 23 13-0026)			
27 13 23 13-0028	EA		6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	280.98		
27 13 23 13-0029	EA		12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	285.12		
27 13 23 13-0030	EA		6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	320.06		
27 13 23 13-0031	EA		12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	346.26		

27 Communications
27 10 Structured Cabling
27 13 Communications Backbone Cabling

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 13 23 13-0032	Spider Fan Out Kits For Fiber Optic Cable (27 13 23 13-0026)		
Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.			
27 13 23 13-0033	EA 6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	331.95	
27 13 23 13-0034	EA 12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	359.71	
27 13 23 13-0035	EA 18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	525.67	
27 13 23 13-0036	EA 24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	683.08	

27 15 Communications Horizontal Cabling (27 10)

27 15 01 Communications Horizontal Cabling Applications (27 15)

27 15 01 15	Access Control Communications Conductors and Cables (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable.			

27 15 01 16	Voice Communications Horizontal Cabling (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.			

27 15 01 19	Fire Alarm Communications Conductors and Cables (27 15 01)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.			

27 15 01 19-0001	Fire Alarm/Life Safety Cable (27 15 01 19)		
27 15 01 19-0002	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0003	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0002)		
27 15 01 19-0004	MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,118.41	882.18
27 15 01 19-0005	MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,601.30	914.08
27 15 01 19-0006	MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,415.58	1,002.76
27 15 01 19-0007	MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,185.35	1,038.55
27 15 01 19-0008	MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,775.21	1,122.57
27 15 01 19-0009	MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,871.59	1,163.02
27 15 01 19-0010	MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,554.96	1,283.60
27 15 01 19-0011	MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	5,258.39	1,329.37
27 15 01 19-0012	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0002)		
27 15 01 19-0013	MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,588.71	1,764.63
27 15 01 19-0014	MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,124.76	1,828.16
27 15 01 19-0015	MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,086.86	2,005.78
27 15 01 19-0016	MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,916.26	2,077.10
27 15 01 19-0017	MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,646.15	2,245.65
27 15 01 19-0018	MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,809.95	2,326.04
27 15 01 19-0019	MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,694.29	2,567.19
27 15 01 19-0020	MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	7,474.22	2,659.26
27 15 01 19-0021	Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0001)		
27 15 01 19-0022	MLF 2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,344.19	721.93
27 15 01 19-0023	MLF 4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,453.58	747.59
27 15 01 19-0024	MLF 2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,635.28	882.18
27 15 01 19-0025	MLF 3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,744.04	898.13
27 15 01 19-0026	MLF 4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,810.03	914.08
27 15 01 19-0027	MLF 6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,022.93	945.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0028	MLF	8	Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,328.39	977.87
27 15 01 19-0029	MLF	2	Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,907.83	1,002.76
27 15 01 19-0030	MLF	4	Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,145.52	1,038.55
27 15 01 19-0031	MLF	2	Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,209.97	1,122.57
27 15 01 19-0032	MLF	4	Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,581.24	1,163.02
27 15 01 19-0033	MLF	2	Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,697.01	1,283.60
27 15 01 19-0034	MLF	4	Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,295.75	1,329.37
27 15 01 19-0035			Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0036			Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0035)		
27 15 01 19-0037	MLF	2	Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,333.10	721.93
27 15 01 19-0038	MLF	2	Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,628.07	882.18
27 15 01 19-0039	MLF	3	Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,813.71	898.13
27 15 01 19-0040	MLF	4	Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,829.32	914.08
27 15 01 19-0041	MLF	6	Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,123.60	945.97
27 15 01 19-0042	MLF	2	Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,896.93	1,002.76
27 15 01 19-0043	MLF	4	Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,169.96	1,038.55
27 15 01 19-0044	MLF	2	Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,160.95	1,122.57
27 15 01 19-0045	MLF	4	Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,776.08	1,163.02
27 15 01 19-0046	MLF	2	Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,680.99	1,283.60
27 15 01 19-0047	MLF	4	Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,591.54	1,329.37
27 15 01 19-0048			Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0035)		
27 15 01 19-0049	MLF	2	Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,536.30	1,444.37
27 15 01 19-0050	MLF	2	Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,098.37	1,764.63
27 15 01 19-0051	MLF	3	Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,309.95	1,795.74
27 15 01 19-0052	MLF	4	Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,352.78	1,828.16
27 15 01 19-0053	MLF	6	Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,700.22	1,891.69
27 15 01 19-0054	MLF	2	Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,568.21	2,005.78
27 15 01 19-0055	MLF	4	Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,900.87	2,077.10
27 15 01 19-0056	MLF	2	Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,031.89	2,245.65
27 15 01 19-0057	MLF	4	Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,714.44	2,326.04
27 15 01 19-0058	MLF	2	Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,820.32	2,567.19
27 15 01 19-0059	MLF	4	Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,807.37	2,659.26
27 15 01 19-0060			Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)		
27 15 01 19-0061			Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0060)		
27 15 01 19-0062	MLF	2	Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,378.77	721.93
27 15 01 19-0063	MLF	2	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,660.69	882.18
27 15 01 19-0064	MLF	3	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,934.77	898.13
27 15 01 19-0065	MLF	4	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,862.69	914.08
27 15 01 19-0066	MLF	6	Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,157.73	945.97

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,971.89		1,002.76
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,204.63		1,038.55
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,322.62		1,122.57
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,695.01		1,163.02
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,800.62		1,283.60
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,345.41		1,329.37
27 15 01 19-0073 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0060)					
27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,581.97		1,444.37
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,130.99		1,764.63
27 15 01 19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,431.01		1,795.74
27 15 01 19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,386.15		1,828.16
27 15 01 19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,734.35		1,891.69
27 15 01 19-0079	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,643.17		2,005.78
27 15 01 19-0080	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,935.54		2,077.10
27 15 01 19-0081	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,193.56		2,245.65
27 15 01 19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,633.37		2,326.04
27 15 01 19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,939.95		2,567.19
27 15 01 19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,561.24		2,659.26
27 15 01 19-0085 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)					
27 15 01 19-0086 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0085)					
27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,328.15		721.93
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,667.89		882.18
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,792.32		898.13
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,897.22		914.08
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,126.55		945.97
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,921.84		1,002.76
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,234.17		1,038.55
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,242.77		1,122.57
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,800.45		1,163.02
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,687.32		1,283.60
27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0085)					
27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,531.35		1,444.37
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,138.19		1,764.63
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,288.56		1,795.74
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,420.68		1,828.16
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,703.17		1,891.69
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,593.12		2,005.78
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,965.08		2,077.10
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,113.71		2,245.65
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,738.81		2,326.04

		Communications	27	27
		Structured Cabling	27 10	
		Communications Horizontal Cabling	27 15	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

27 15 01 19-0107	MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,826.65	2,567.19
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27 15 13 Communications Copper Horizontal Cabling (27 15)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001	Copper Telecommunications Cable (27 15 13)		
27 15 13 00-0002	Indoor Telecommunications Cable (27 15 13 00-0001)		
	Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.		
27 15 13 00-0003	Category 3, Indoor Telecommunications Cable (27 15 13 00-0002)		
	Note: Un-shielded twisted pair cables (UTP).		
27 15 13 00-0004	Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0003)		
27 15 13 00-0005	24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0004)		
27 15 13 00-0006	24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0005)		
27 15 13 00-0007	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,018.41	544.56
27 15 13 00-0008	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,065.70	544.56
27 15 13 00-0009	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,082.41	544.56
27 15 13 00-0010	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,306.15	622.36
27 15 13 00-0011	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,654.26	622.36
27 15 13 00-0012	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,206.99	622.36
27 15 13 00-0013	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,511.36	777.94
27 15 13 00-0014	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,344.72	1,244.70
27 15 13 00-0015	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,581.04	1,400.29
27 15 13 00-0016	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,390.65	1,555.88
27 15 13 00-0017	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,656.98	2,178.23
27 15 13 00-0018	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	21,826.64	2,691.67
27 15 13 00-0019	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,568.14	3,734.11
27 15 13 00-0020	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	56,196.29	7,468.21
27 15 13 00-0021	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	76,438.00	11,202.32

27 15 13 00-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0005)

27 15 13 00-0023	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,926.00	1,089.11
	For Work In Restricted Working Space, Add	544.56	
27 15 13 00-0024	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,973.29	1,089.11
	For Work In Restricted Working Space, Add	544.56	
27 15 13 00-0025	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,990.00	1,089.11
	For Work In Restricted Working Space, Add	544.56	
27 15 13 00-0026	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,084.09	1,089.11
	For Work In Restricted Working Space, Add	544.56	
27 15 13 00-0027	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,432.20	1,089.11
	For Work In Restricted Working Space, Add	544.56	
27 15 13 00-0028	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,244.25	1,244.70
	For Work In Restricted Working Space, Add	622.35	
27 15 13 00-0029	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,807.92	1,555.88
	For Work In Restricted Working Space, Add	777.94	
27 15 13 00-0030	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,381.97	1,867.06
	For Work In Restricted Working Space, Add	933.53	
27 15 13 00-0031	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	9,747.95	2,100.44
	For Work In Restricted Working Space, Add	1,050.22	
27 15 13 00-0032	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,687.22	2,333.81
	For Work In Restricted Working Space, Add	1,166.91	
27 15 13 00-0033	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	18,472.17	3,267.34
	For Work In Restricted Working Space, Add	1,633.67	
27 15 13 00-0034	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	24,082.66	4,045.28
	For Work In Restricted Working Space, Add	2,022.64	
27 15 13 00-0035	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	37,679.90	5,601.16
	For Work In Restricted Working Space, Add	2,800.58	
27 15 13 00-0036	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	62,419.81	11,202.32
	For Work In Restricted Working Space, Add	5,601.16	
27 15 13 00-0037	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	85,773.28	16,803.49
	For Work In Restricted Working Space, Add	8,401.75	

27 15 13 00-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0004)

27 15 13 00-0039 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0038)

27 15 13 00-0040	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,583.71	622.36
27 15 13 00-0041	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,338.74	777.94
27 15 13 00-0042	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,751.14	1,244.70
27 15 13 00-0043	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,323.97	1,555.88
27 15 13 00-0044	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	25,480.72	2,178.23
27 15 13 00-0045	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	33,191.42	2,691.67
27 15 13 00-0046	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	49,213.35	3,734.11

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 13 00-0047	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0038)		
27 15 13 00-0048	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,620.97 622.35	1,244.70
27 15 13 00-0049	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,635.30 777.94	1,555.88
27 15 13 00-0050	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,788.39 933.53	1,867.06
27 15 13 00-0051	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	18,620.54 1,166.91	2,333.81
27 15 13 00-0052	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	27,295.91 1,633.67	3,267.34
27 15 13 00-0053	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	35,447.44 2,022.64	4,045.28
27 15 13 00-0054	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	52,325.11 2,800.58	5,601.16
27 15 13 00-0055	Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0003)		
27 15 13 00-0056	24 AWG, Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0055)		
27 15 13 00-0057	24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0056)		
27 15 13 00-0058	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,056.65	544.56
27 15 13 00-0059	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,103.75	544.56
27 15 13 00-0060	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,138.97	544.56
27 15 13 00-0061	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,369.67	622.36
27 15 13 00-0062	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,749.13	622.36
27 15 13 00-0063	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,777.72	622.36
27 15 13 00-0064	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,673.32	777.94
27 15 13 00-0065	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,779.33	1,244.70
27 15 13 00-0066	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,205.83	1,555.88
27 15 13 00-0067	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	22,788.52	2,178.23
27 15 13 00-0068	24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0056)		
27 15 13 00-0069	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,964.24 544.56	1,089.11
27 15 13 00-0070	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,011.34 544.56	1,089.11
27 15 13 00-0071	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,046.56 544.56	1,089.11
27 15 13 00-0072	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,147.61 544.56	1,089.11
27 15 13 00-0073	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,527.07 544.56	1,089.11
27 15 13 00-0074	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,814.98 622.35	1,244.70
27 15 13 00-0075	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,969.88 777.94	1,555.88
27 15 13 00-0076	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,816.58 933.53	1,867.06
27 15 13 00-0077	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	16,502.40 1,166.91	2,333.81
27 15 13 00-0078	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	24,603.71 1,633.67	3,267.34
27 15 13 00-0079	Category 5E, Indoor Telecommunications Cable (27 15 13 00-0002)		
27 15 13 00-0080	Category 5E, Indoor Telecommunications Riser Cable (27 15 13 00-0079)		
27 15 13 00-0081	Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0080)		
27 15 13 00-0082	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,094.59	544.56
27 15 13 00-0083	MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,138.39	544.56
27 15 13 00-0084	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,268.88	622.36
27 15 13 00-0085	MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,312.66	622.36
27 15 13 00-0086	Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0080)		
27 15 13 00-0087	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,002.18 544.56	1,089.11
27 15 13 00-0088	MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,045.98 544.56	1,089.11
27 15 13 00-0089	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,306.14 622.35	1,244.70
27 15 13 00-0090	MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,349.92 622.35	1,244.70
27 15 13 00-0091	Category 5E, Indoor Telecommunications Plenum Cable (27 15 13 00-0079)		

27 15 13 00-0092			Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0091)		
27 15 13 00-0093	MLF		4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,255.65	544.56
27 15 13 00-0094	MLF		4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,727.53	622.36
27 15 13 00-0095			Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0091)		
27 15 13 00-0096	MLF		4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	2,163.24 544.56	1,089.11
27 15 13 00-0097	MLF		4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	2,764.79 622.35	1,244.70
27 15 13 00-0098			Category 6, Indoor Telecommunications Cable (27 15 13 00-0002)		
27 15 13 00-0099			Category 6, Indoor Telecommunications Riser Cable (27 15 13 00-0098)		
27 15 13 00-0100			Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0099)		
27 15 13 00-0101	MLF		4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,201.08	544.56
27 15 13 00-0102	MLF		4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,233.89	544.56
27 15 13 00-0103			Category 6, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0099)		
27 15 13 00-0104	MLF		4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed For Work In Restricted Working Space, Add	2,108.67 544.56	1,089.11
27 15 13 00-0105	MLF		4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed For Work In Restricted Working Space, Add	2,141.48 544.56	1,089.11
27 15 13 00-0106			Category 6, Indoor Telecommunications Plenum Cable (27 15 13 00-0098)		
27 15 13 00-0107			Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0106)		
27 15 13 00-0108	MLF		4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,429.32	544.56
27 15 13 00-0109			Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0106)		
27 15 13 00-0110	MLF		4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... For Work In Restricted Working Space, Add	2,336.91 544.56	1,089.11
27 15 13 00-0111			Category 6A, Indoor Telecommunications Cable (27 15 13 00-0002)		
27 15 13 00-0112			Category 6a, Indoor Telecommunications Riser Cable (27 15 13 00-0111)		
27 15 13 00-0113			Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0112)		
27 15 13 00-0114	MLF		4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,253.51	544.56
27 15 13 00-0115			Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0112)		
27 15 13 00-0116	MLF		4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed For Work In Restricted Working Space, Add	2,161.10 544.56	1,089.11
27 15 13 00-0117			Category 6A, Indoor Telecommunications Plenum Cable (27 15 13 00-0111)		
27 15 13 00-0118			Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0117)		
27 15 13 00-0119	MLF		4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,564.92	544.56
27 15 13 00-0120			Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0117)		
27 15 13 00-0121	MLF		4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed For Work In Restricted Working Space, Add	2,472.51 544.56	1,089.11
27 15 13 00-0122			Category 7, Indoor Telecommunications Cable (27 15 13 00-0002)		
27 15 13 00-0123			Category 7, Indoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0122)		
27 15 13 00-0124	MLF		4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,370.76	622.36
27 15 13 00-0125	MLF		4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,881.52	622.36
27 15 13 00-0126			Category 7, Indoor Telecommunications Cable, Installed Exposed (27 15 13 00-0122)		
27 15 13 00-0127	MLF		4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... For Work In Restricted Working Space, Add	3,408.02 622.35	1,244.70
27 15 13 00-0128	MLF		4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed..... For Work In Restricted Working Space, Add	4,918.78 622.35	1,244.70

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 13 00-0129	Outdoor Telecommunications Cable (27 15 13 00-0001)			
	Note: Cable buried in trench excludes excavation.			
27 15 13 00-0130	PE-89 Outdoor Telecommunications Cable (27 15 13 00-0129)			
	Note: Includes foam-skin polyolefin insulated conductors.			
27 15 13 00-0131	24 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0130)			
27 15 13 00-0132	24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0131)			
27 15 13 00-0133	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,049.23	622.36
27 15 13 00-0134	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,477.27	1,089.11
27 15 13 00-0135	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,529.00	700.15
27 15 13 00-0136	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,415.27	777.94
27 15 13 00-0137	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,679.85	1,089.11
27 15 13 00-0138	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,689.19	1,244.70
27 15 13 00-0139	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,783.17	1,400.29
27 15 13 00-0140	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,678.97	2,022.64
27 15 13 00-0141	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	32,707.78	2,645.00
27 15 13 00-0142	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	44,423.09	3,578.52
27 15 13 00-0143	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	69,856.36	7,157.04
27 15 13 00-0144	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	95,322.99	10,579.97
27 15 13 00-0145	24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0131)			
27 15 13 00-0146	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,854.75	
27 15 13 00-0147	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,282.79	
27 15 13 00-0148	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,269.69	
27 15 13 00-0149	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,155.95	
27 15 13 00-0150	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,290.88	
27 15 13 00-0151	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,040.90	
27 15 13 00-0152	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	16,523.87	
27 15 13 00-0153	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	23,901.03	
27 15 13 00-0154	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	31,087.07	
27 15 13 00-0155	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	41,570.65	
27 15 13 00-0156	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	62,076.97	
27 15 13 00-0157	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	83,913.21	
27 15 13 00-0158	22 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0130)			
27 15 13 00-0159	22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0158)			
27 15 13 00-0160	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,321.35	622.36
27 15 13 00-0161	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,985.66	622.36
27 15 13 00-0162	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,569.65	700.15
27 15 13 00-0163	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,267.50	777.94
27 15 13 00-0164	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	10,574.37	1,089.11
27 15 13 00-0165	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,624.23	1,244.70
27 15 13 00-0166	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,374.41	1,400.29
27 15 13 00-0167	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	35,505.60	2,022.64
27 15 13 00-0168	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	47,303.01	2,645.00
27 15 13 00-0169	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	69,910.95	3,578.52
27 15 13 00-0170	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	102,045.42	7,157.04
27 15 13 00-0171	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	143,480.79	10,579.97
27 15 13 00-0172	22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0158)			
27 15 13 00-0173	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,126.87	
27 15 13 00-0174	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,791.18	
27 15 13 00-0175	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,310.34	
27 15 13 00-0176	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,008.18	
27 15 13 00-0177	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	10,185.40	
27 15 13 00-0178	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,235.25	
27 15 13 00-0179	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	24,115.11	
27 15 13 00-0180	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	34,727.66	
27 15 13 00-0181	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	45,682.30	
27 15 13 00-0182	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	67,058.51	
27 15 13 00-0183	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	94,266.03	
27 15 13 00-0184	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	132,071.01	
27 15 13 00-0185	19 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0130)			
27 15 13 00-0186	19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0185)			
27 15 13 00-0187	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,777.75	700.15
27 15 13 00-0188	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,538.30	777.94
27 15 13 00-0189	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	21,728.97	1,089.11
27 15 13 00-0190	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	26,044.87	1,244.70
27 15 13 00-0191	19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0185)			
27 15 13 00-0192	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,518.44	
27 15 13 00-0193	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,278.98	
27 15 13 00-0194	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,340.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0195	MLF		100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	25,655.89	
27 15 13 00-0196			PE-39 Outdoor Telecommunications Cable (27 15 13 00-0129) Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0197			24 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0196)		
27 15 13 00-0198			24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0197)		
27 15 13 00-0199	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,865.43	1,089.11
27 15 13 00-0200	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,389.09	1,089.11
27 15 13 00-0201	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,445.55	1,089.11
27 15 13 00-0202	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,348.03	1,089.11
27 15 13 00-0203	MLF		100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	10,206.54	1,089.11
27 15 13 00-0204	MLF		200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	18,559.39	1,400.29
27 15 13 00-0205	MLF		300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,101.81	2,022.64
27 15 13 00-0206	MLF		400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	35,659.99	2,645.00
27 15 13 00-0207	MLF		600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	48,733.55	3,578.52
27 15 13 00-0208	MLF		900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	75,430.84	7,157.04
27 15 13 00-0209	MLF		1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	109,780.95	10,579.97
27 15 13 00-0210			24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0197)		
27 15 13 00-0211	MLF		6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,476.46	
27 15 13 00-0212	MLF		12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,000.12	
27 15 13 00-0213	MLF		25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,056.58	
27 15 13 00-0214	MLF		50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,959.06	
27 15 13 00-0215	MLF		100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,817.57	
27 15 13 00-0216	MLF		200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	18,300.09	
27 15 13 00-0217	MLF		300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	26,323.87	
27 15 13 00-0218	MLF		400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	34,039.28	
27 15 13 00-0219	MLF		600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	45,881.11	
27 15 13 00-0220	MLF		900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	67,651.45	
27 15 13 00-0221	MLF		1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	98,371.17	
27 15 13 00-0222			22 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0196)		
27 15 13 00-0223			22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0222)		
27 15 13 00-0224	MLF		6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,168.18	1,089.11
27 15 13 00-0225	MLF		12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,937.67	1,089.11
27 15 13 00-0226	MLF		25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,575.20	1,089.11
27 15 13 00-0227	MLF		50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,587.66	1,089.11
27 15 13 00-0228	MLF		100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,874.27	1,089.11
27 15 13 00-0229	MLF		200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,542.33	1,400.29
27 15 13 00-0230	MLF		300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,361.74	2,022.64
27 15 13 00-0231	MLF		400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	51,697.62	2,645.00
27 15 13 00-0232	MLF		600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	72,232.36	3,578.52
27 15 13 00-0233	MLF		900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	113,480.86	7,157.04
27 15 13 00-0234			22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0222)		
27 15 13 00-0235	MLF		6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,779.21	
27 15 13 00-0236	MLF		12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,548.70	
27 15 13 00-0237	MLF		25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,186.23	
27 15 13 00-0238	MLF		50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,198.69	
27 15 13 00-0239	MLF		100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,485.30	
27 15 13 00-0240	MLF		200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,283.03	
27 15 13 00-0241	MLF		300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	39,583.80	
27 15 13 00-0242	MLF		400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	50,076.91	
27 15 13 00-0243	MLF		600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	69,379.92	
27 15 13 00-0244	MLF		900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	105,701.47	
27 15 13 00-0245			19 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0196)		
27 15 13 00-0246			19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0245)		
27 15 13 00-0247	MLF		25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,202.69	1,089.11
27 15 13 00-0248	MLF		50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	15,312.36	1,089.11
27 15 13 00-0249	MLF		100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,981.66	1,089.11
27 15 13 00-0250			19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0245)		
27 15 13 00-0251	MLF		25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,813.72	
27 15 13 00-0252	MLF		50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,923.39	
27 15 13 00-0253	MLF		100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,592.69	
27 15 13 00-0254			(Aerial) Outdoor Telecommunications Cable (27 15 13 00-0129) Note: Includes support wire.		
27 15 13 00-0255			24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0254)		
27 15 13 00-0256	MLF		6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,260.31	2,176.37

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
27 15 13 00-0257	MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,696.02		2,176.37	
27 15 13 00-0258	MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,777.80		2,176.37	
27 15 13 00-0259	MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,780.70		2,176.37	
27 15 13 00-0260	MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	15,649.27		2,176.37	
27 15 13 00-0261	MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	23,836.92		2,394.01	
27 15 13 00-0262	MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	32,072.42		2,611.64	
27 15 13 00-0263 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0254)					
27 15 13 00-0264	MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,781.59		2,176.37	
27 15 13 00-0265	MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,425.33		2,176.37	
27 15 13 00-0266	MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,975.83		2,176.37	
27 15 13 00-0267	MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,038.98		2,176.37	
27 15 13 00-0268	MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	20,825.42		2,176.37	
27 15 13 00-0269	MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	33,106.90		2,394.01	
27 15 13 00-0270 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 15 13 00-0254)					
27 15 13 00-0271	MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,470.77		2,176.37	
27 15 13 00-0272	MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,926.55		2,176.37	
27 15 13 00-0273	MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,788.85		2,176.37	
27 15 13 00-0274	MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	19,513.50		2,176.37	
27 15 13 00-0275	MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	31,061.37		2,176.37	
27 15 13 00-0276 Solid Conductor Low Voltage Cable ^(27 15 13)					
27 15 13 00-0277 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0276)					
27 15 13 00-0278 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0277)					
27 15 13 00-0279	MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,248.66		1,172.76	
	For #10 AWG, Add	487.94			
	For Work In Restricted Working Space, Add	586.43			
27 15 13 00-0280	MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,566.62		1,214.22	
	For #10 AWG, Add	583.83			
	For Work In Restricted Working Space, Add	607.29			
27 15 13 00-0281	MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,849.74		1,256.86	
	For #10 AWG, Add	668.17			
	For Work In Restricted Working Space, Add	628.25			
27 15 13 00-0282	MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,148.72		1,299.51	
	For #10 AWG, Add	757.43			
	For Work In Restricted Working Space, Add	649.95			
27 15 13 00-0283	MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,508.09		1,387.17	
	For #10 AWG, Add	857.03			
	For Work In Restricted Working Space, Add	693.79			
27 15 13 00-0284	MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,841.27		1,473.65	
	For #10 AWG, Add	948.25			
	For Work In Restricted Working Space, Add	737.02			
27 15 13 00-0285	MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,205.77		1,648.97	
	For #10 AWG, Add	1,030.70			
	For Work In Restricted Working Space, Add	824.33			
27 15 13 00-0286	MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,566.23		2,173.75	
	For #10 AWG, Add	1,365.97			
	For Work In Restricted Working Space, Add	1,086.67			
27 15 13 00-0287	MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,265.11		3,210.28	
	For #10 AWG, Add	2,032.10			
	For Work In Restricted Working Space, Add	1,604.73			
27 15 13 00-0288 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ^(27 15 13 00-0277)					
27 15 13 00-0289	MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,990.19		1,025.87	
	For Work In Restricted Working Space, Add	512.82			
27 15 13 00-0290	MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,289.15		1,062.59	
	For Work In Restricted Working Space, Add	531.29			
27 15 13 00-0291	MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,554.50		1,099.31	
	For Work In Restricted Working Space, Add	549.77			
27 15 13 00-0292	MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,833.85		1,137.22	
	For Work In Restricted Working Space, Add	568.61			

			Communications	27	27
			Structured Cabling	27 10	
			Communications Horizontal Cabling	27 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0293	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	3,165.52	1,214.22
		For Work In Restricted Working Space, Add		606.99	
27 15 13 00-0294	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	3,471.76	1,290.03
		For Work In Restricted Working Space, Add		644.66	
27 15 13 00-0295	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	3,797.83	1,442.85
		For Work In Restricted Working Space, Add		721.43	
27 15 13 00-0296	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	5,026.25	1,901.29
		For Work In Restricted Working Space, Add		950.64	
27 15 13 00-0297	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	7,467.71	2,808.70
		For Work In Restricted Working Space, Add		1,404.47	
27 15 13 00-0298 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)					
27 15 13 00-0299	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	1,774.22	915.70
		For Work In Restricted Working Space, Add		458.09	
27 15 13 00-0300	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	1,978.22	948.87
		For Work In Restricted Working Space, Add		474.43	
27 15 13 00-0301	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	2,271.65	982.04
		For Work In Restricted Working Space, Add		490.78	
27 15 13 00-0302	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	2,519.23	1,015.21
		For Work In Restricted Working Space, Add		507.84	
27 15 13 00-0303	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	2,812.36	1,083.91
		For Work In Restricted Working Space, Add		541.96	
27 15 13 00-0304	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	3,084.01	1,151.43
		For Work In Restricted Working Space, Add		575.72	
27 15 13 00-0305	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	3,228.62	1,220.15
		For Work In Restricted Working Space, Add		609.83	
27 15 13 00-0306	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	3,374.44	1,288.85
		For Work In Restricted Working Space, Add		644.31	
27 15 13 00-0307	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	3,715.12	1,370.58
		For Work In Restricted Working Space, Add		685.18	
27 15 13 00-0308	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	4,465.09	1,697.54
		For Work In Restricted Working Space, Add		848.83	
27 15 13 00-0309	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	6,633.37	2,507.81
		For Work In Restricted Working Space, Add		1,253.96	
27 15 13 00-0310 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)					
27 15 13 00-0311	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	1,517.94	806.72
		For Work In Restricted Working Space, Add		403.00	
27 15 13 00-0312	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	1,714.10	835.14
		For Work In Restricted Working Space, Add		417.57	
27 15 13 00-0313	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	1,889.36	863.58
		For Work In Restricted Working Space, Add		432.14	
27 15 13 00-0314	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	2,072.58	893.19
		For Work In Restricted Working Space, Add		446.72	
27 15 13 00-0315	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	2,299.96	953.60
		For Work In Restricted Working Space, Add		476.92	
27 15 13 00-0316	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	2,511.80	1,012.83
		For Work In Restricted Working Space, Add		506.78	
27 15 13 00-0317	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	2,755.64	1,133.67
		For Work In Restricted Working Space, Add		566.84	
27 15 13 00-0318	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	3,644.96	1,493.79
		For Work In Restricted Working Space, Add		747.01	
27 15 13 00-0319	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	In Conduit.....	5,410.58	2,206.92
		For Work In Restricted Working Space, Add		1,103.46	
27 15 13 00-0320 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0277)					

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 13 00-0321	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,355.50	733.27
		<i>For Work In Restricted Working Space, Add</i>	366.40	
27 15 13 00-0322	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,513.48	759.33
		<i>For Work In Restricted Working Space, Add</i>	379.55	
27 15 13 00-0323	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,653.94	785.99
		<i>For Work In Restricted Working Space, Add</i>	392.70	
27 15 13 00-0324	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,801.20	812.64
		<i>For Work In Restricted Working Space, Add</i>	406.20	
27 15 13 00-0325	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,990.42	867.13
		<i>For Work In Restricted Working Space, Add</i>	433.39	
27 15 13 00-0326	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,167.36	921.62
		<i>For Work In Restricted Working Space, Add</i>	460.57	
27 15 13 00-0327	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,393.02	1,030.61
		<i>For Work In Restricted Working Space, Add</i>	515.30	
27 15 13 00-0328	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,151.32	1,358.75
		<i>For Work In Restricted Working Space, Add</i>	679.13	
27 15 13 00-0329	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,675.44	2,006.72
		<i>For Work In Restricted Working Space, Add</i>	1,003.24	
27 15 13 00-0330	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,905.05	2,054.11
		<i>For Work In Restricted Working Space, Add</i>	1,027.05	
27 15 13 00-0331	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,801.62	2,391.72
		<i>For Work In Restricted Working Space, Add</i>	1,195.86	
27 15 13 00-0332	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,220.08	2,559.93
		<i>For Work In Restricted Working Space, Add</i>	1,280.08	
27 15 13 00-0333	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,543.78	3,199.62
		<i>For Work In Restricted Working Space, Add</i>	1,599.57	
27 15 13 00-0334	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,149.97	4,212.46
		<i>For Work In Restricted Working Space, Add</i>	2,105.98	

27 15 13 00-0335 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit

(27 15 13 00-0277)

27 15 13 00-0336	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,169.50	659.83
		<i>For Work In Restricted Working Space, Add</i>	329.79	
27 15 13 00-0337	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,234.45	683.51
		<i>For Work In Restricted Working Space, Add</i>	341.52	
27 15 13 00-0338	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,310.44	707.21
		<i>For Work In Restricted Working Space, Add</i>	353.60	
27 15 13 00-0339	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,391.34	730.91
		<i>For Work In Restricted Working Space, Add</i>	365.69	
27 15 13 00-0340	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,521.86	780.65
		<i>For Work In Restricted Working Space, Add</i>	390.21	
27 15 13 00-0341	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,651.70	826.85
		<i>For Work In Restricted Working Space, Add</i>	413.66	

27 15 13 00-0342 Triad

(27 15 13 00-0277)

27 15 13 00-0343	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	3,100.08	982.04
27 15 13 00-0344	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	4,024.47	1,358.75
27 15 13 00-0345	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	6,309.50	2,006.72
27 15 13 00-0346	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	7,878.25	2,391.72
27 15 13 00-0347	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	12,940.09	3,705.45
27 15 13 00-0348	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	14,896.69	4,212.46

27 15 13 00-0349 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed

(27 15 13 00-0276)

27 15 13 00-0350 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed

(27 15 13 00-0349)

27 15 13 00-0351	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,203.42	2,345.52
		<i>For #10 AWG, Add</i>	878.89	
		<i>For Work In Restricted Working Space, Add</i>	1,172.86	
27 15 13 00-0352	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,590.92	2,428.45
		<i>For #10 AWG, Add</i>	988.69	
		<i>For Work In Restricted Working Space, Add</i>	1,214.58	

			Communications	27	27
			Structured Cabling	27 10	
			Communications Horizontal Cabling	27 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0353	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,943.92	2,513.73	
		For #10 AWG, Add	1,087.01		
		For Work In Restricted Working Space, Add	1,256.51		
27 15 13 00-0354	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	5,315.25	2,599.02	
		For #10 AWG, Add	1,190.74		
		For Work In Restricted Working Space, Add	1,299.91		
27 15 13 00-0355	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	5,820.73	2,774.35	
		For #10 AWG, Add	1,319.56		
		For Work In Restricted Working Space, Add	1,387.58		
27 15 13 00-0356	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	6,298.00	2,947.30	
		For #10 AWG, Add	1,439.59		
		For Work In Restricted Working Space, Add	1,474.04		
27 15 13 00-0357	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	6,953.54	3,297.94	
		For #10 AWG, Add	1,580.25		
		For Work In Restricted Working Space, Add	1,648.66		
27 15 13 00-0358	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	9,188.44	4,347.50	
		For #10 AWG, Add	2,090.41		
		For Work In Restricted Working Space, Add	2,173.33		
27 15 13 00-0359	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	13,614.19	6,420.56	
		For #10 AWG, Add	3,101.92		
		For Work In Restricted Working Space, Add	3,209.45		
27 15 13 00-0360 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)					
27 15 13 00-0361	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	3,699.57	2,051.74	
		For Work In Restricted Working Space, Add	1,025.63		
27 15 13 00-0362	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,060.14	2,125.19	
		For Work In Restricted Working Space, Add	1,062.59		
27 15 13 00-0363	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,387.09	2,198.63	
		For Work In Restricted Working Space, Add	1,099.55		
27 15 13 00-0364	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,729.22	2,274.44	
		For Work In Restricted Working Space, Add	1,137.22		
27 15 13 00-0365	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	5,188.83	2,428.45	
		For Work In Restricted Working Space, Add	1,213.98		
27 15 13 00-0366	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	5,620.63	2,580.06	
		For Work In Restricted Working Space, Add	1,289.32		
27 15 13 00-0367	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	6,202.58	2,885.70	
		For Work In Restricted Working Space, Add	1,442.85		
27 15 13 00-0368	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	8,195.06	3,802.59	
		For Work In Restricted Working Space, Add	1,901.29		
27 15 13 00-0369	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	12,149.28	5,617.40	
		For Work In Restricted Working Space, Add	2,808.94		
27 15 13 00-0370 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)					
27 15 13 00-0371	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	3,301.18	1,831.40	
		For Work In Restricted Working Space, Add	916.17		
27 15 13 00-0372	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	3,559.68	1,897.74	
		For Work In Restricted Working Space, Add	948.87		
27 15 13 00-0373	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	3,907.60	1,964.07	
		For Work In Restricted Working Space, Add	981.56		
27 15 13 00-0374	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,212.03	2,030.41	
		For Work In Restricted Working Space, Add	1,015.68		
27 15 13 00-0375	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	4,618.89	2,167.83	
		For Work In Restricted Working Space, Add	1,083.92		
27 15 13 00-0376	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	5,003.06	2,302.88	
		For Work In Restricted Working Space, Add	1,151.44		
27 15 13 00-0377	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	5,261.40	2,440.28	
		For Work In Restricted Working Space, Add	1,219.67		
27 15 13 00-0378	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed			
		Exposed	5,522.13	2,577.70	
		For Work In Restricted Working Space, Add	1,288.61		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 13 00-0379	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,999.03	2,741.18
		<i>For Work In Restricted Working Space, Add</i>	1,370.35	
27 15 13 00-0380	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,294.51	3,395.08
		<i>For Work In Restricted Working Space, Add</i>	1,697.66	
27 15 13 00-0381	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,813.25	5,015.62
		<i>For Work In Restricted Working Space, Add</i>	2,507.93	

27 15 13 00-0382 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed

(27 15 13 00-0349)

27 15 13 00-0383	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,861.29	1,613.43
		<i>For Work In Restricted Working Space, Add</i>	806.01	
27 15 13 00-0384	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,106.01	1,670.30
		<i>For Work In Restricted Working Space, Add</i>	835.15	
27 15 13 00-0385	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,329.84	1,727.15
		<i>For Work In Restricted Working Space, Add</i>	864.29	
27 15 13 00-0386	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,561.63	1,786.38
		<i>For Work In Restricted Working Space, Add</i>	893.43	
27 15 13 00-0387	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,889.70	1,907.22
		<i>For Work In Restricted Working Space, Add</i>	953.84	
27 15 13 00-0388	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,201.04	2,025.68
		<i>For Work In Restricted Working Space, Add</i>	1,013.55	
27 15 13 00-0389	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,645.08	2,267.33
		<i>For Work In Restricted Working Space, Add</i>	1,133.67	
27 15 13 00-0390	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,135.01	2,987.57
		<i>For Work In Restricted Working Space, Add</i>	1,494.02	
27 15 13 00-0391	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,088.76	4,413.84
		<i>For Work In Restricted Working Space, Add</i>	2,206.91	

27 15 13 00-0392 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed

(27 15 13 00-0349)

27 15 13 00-0393	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,576.83	1,466.54
		<i>For Work In Restricted Working Space, Add</i>	732.80	
27 15 13 00-0394	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,778.65	1,518.67
		<i>For Work In Restricted Working Space, Add</i>	759.10	
27 15 13 00-0395	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,962.93	1,571.97
		<i>For Work In Restricted Working Space, Add</i>	785.39	
27 15 13 00-0396	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,155.21	1,625.28
		<i>For Work In Restricted Working Space, Add</i>	812.40	
27 15 13 00-0397	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,435.04	1,734.26
		<i>For Work In Restricted Working Space, Add</i>	866.78	
27 15 13 00-0398	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,702.62	1,843.25
		<i>For Work In Restricted Working Space, Add</i>	921.15	
27 15 13 00-0399	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,110.70	2,061.21
		<i>For Work In Restricted Working Space, Add</i>	1,030.61	
27 15 13 00-0400	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,415.10	2,717.48
		<i>For Work In Restricted Working Space, Add</i>	1,358.27	
27 15 13 00-0401	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,019.57	4,013.44
		<i>For Work In Restricted Working Space, Add</i>	2,006.48	
27 15 13 00-0402	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,328.54	4,108.21
		<i>For Work In Restricted Working Space, Add</i>	2,054.10	
27 15 13 00-0403	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,787.84	4,783.44
		<i>For Work In Restricted Working Space, Add</i>	2,391.73	
27 15 13 00-0404	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,487.02	5,119.86
		<i>For Work In Restricted Working Space, Add</i>	2,560.16	
27 15 13 00-0405	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	12,875.66	6,399.24
		<i>For Work In Restricted Working Space, Add</i>	3,199.13	
27 15 13 00-0406	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	17,169.89	8,424.91
		<i>For Work In Restricted Working Space, Add</i>	4,211.96	

			Communications	27	27
			Structured Cabling	27 10	
			Communications Horizontal Cabling	27 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0407	#22 AWG, Shielded, Low Voltage Cable, Installed Exposed (27 15 13 00-0349)				
27 15 13 00-0408	MLF	1	Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,268.82	1,319.65
			For Work In Restricted Working Space, Add	659.59	
27 15 13 00-0409	MLF	2	Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,372.87	1,367.04
			For Work In Restricted Working Space, Add	683.05	
27 15 13 00-0410	MLF	3	Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,489.13	1,414.42
			For Work In Restricted Working Space, Add	707.21	
27 15 13 00-0411	MLF	4	Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,610.31	1,461.80
			For Work In Restricted Working Space, Add	731.38	
27 15 13 00-0412	MLF	5	Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,822.56	1,561.31
			For Work In Restricted Working Space, Add	780.42	
27 15 13 00-0413	MLF	6	Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,030.58	1,653.71
			For Work In Restricted Working Space, Add	827.33	
27 15 13 00-0414	Triad, Installed Exposed (27 15 13 00-0349)				
27 15 13 00-0415	MLF	1	Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,100.08	982.04
27 15 13 00-0416	MLF	4	Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	4,024.47	1,358.75
27 15 13 00-0417	MLF	8	Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	6,309.50	2,006.72
27 15 13 00-0418	MLF	12	Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	7,878.25	2,391.72
27 15 13 00-0419	MLF	24	Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	12,940.09	3,705.45
27 15 13 00-0420	MLF	36	Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	14,896.69	4,212.46
27 15 13 00-0421	Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0276)				
27 15 13 00-0422	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)				
27 15 13 00-0423	MLF	1	Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,923.52	1,025.87
			For Work In Restricted Working Space, Add	512.82	
27 15 13 00-0424	MLF	2	Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,166.12	1,062.59
			For Work In Restricted Working Space, Add	531.29	
27 15 13 00-0425	MLF	3	Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,383.10	1,099.31
			For Work In Restricted Working Space, Add	549.77	
27 15 13 00-0426	MLF	4	Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,611.03	1,137.22
			For Work In Restricted Working Space, Add	568.61	
27 15 13 00-0427	MLF	5	Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,891.97	1,213.04
			For Work In Restricted Working Space, Add	606.28	
27 15 13 00-0428	MLF	6	Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,156.49	1,288.85
			For Work In Restricted Working Space, Add	644.31	
27 15 13 00-0429	MLF	8	Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,467.07	1,442.85
			For Work In Restricted Working Space, Add	721.43	
27 15 13 00-0430	MLF	12	Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,585.24	1,901.29
			For Work In Restricted Working Space, Add	950.64	
27 15 13 00-0431	MLF	24	Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,806.20	2,808.70
			For Work In Restricted Working Space, Add	1,404.47	
27 15 13 00-0432	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)				
27 15 13 00-0433	MLF	1	Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,715.51	915.70
			For Work In Restricted Working Space, Add	458.09	
27 15 13 00-0434	MLF	2	Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,929.40	948.87
			For Work In Restricted Working Space, Add	474.43	
27 15 13 00-0435	MLF	3	Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,120.71	982.04
			For Work In Restricted Working Space, Add	490.78	
27 15 13 00-0436	MLF	4	Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,323.01	1,015.21
			For Work In Restricted Working Space, Add	507.84	
27 15 13 00-0437	MLF	5	Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,572.37	1,082.73
			For Work In Restricted Working Space, Add	541.60	
27 15 13 00-0438	MLF	6	Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,807.42	1,151.43
			For Work In Restricted Working Space, Add	575.72	
27 15 13 00-0439	MLF	7	Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,944.70	1,220.15
			For Work In Restricted Working Space, Add	609.83	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
27 15 13 00-0440	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,143.64		1,288.85
		<i>For Work In Restricted Working Space, Add</i>	644.31		
27 15 13 00-0441	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,445.74		1,370.58
		<i>For Work In Restricted Working Space, Add</i>	685.14		
27 15 13 00-0442	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,076.74		1,697.54
		<i>For Work In Restricted Working Space, Add</i>	848.83		
27 15 13 00-0443	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,051.42		2,507.81
		<i>For Work In Restricted Working Space, Add</i>	1,254.14		
27 15 13 00-0444 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)					
27 15 13 00-0445	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,500.71		805.53
		<i>For Work In Restricted Working Space, Add</i>	403.00		
27 15 13 00-0446	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,674.10		835.14
		<i>For Work In Restricted Working Space, Add</i>	417.57		
27 15 13 00-0447	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,787.78		864.76
		<i>For Work In Restricted Working Space, Add</i>	432.14		
27 15 13 00-0448	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,934.04		893.19
		<i>For Work In Restricted Working Space, Add</i>	446.72		
27 15 13 00-0449	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,121.55		953.60
		<i>For Work In Restricted Working Space, Add</i>	476.92		
27 15 13 00-0450	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,307.89		1,014.02
		<i>For Work In Restricted Working Space, Add</i>	506.78		
27 15 13 00-0451	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,736.01		1,133.67
		<i>For Work In Restricted Working Space, Add</i>	566.84		
27 15 13 00-0452	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,563.87		1,493.79
		<i>For Work In Restricted Working Space, Add</i>	747.01		
27 15 13 00-0453	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,851.05		2,206.92
		<i>For Work In Restricted Working Space, Add</i>	1,103.46		
27 15 13 00-0454 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)					
27 15 13 00-0455	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,332.42		733.27
		<i>For Work In Restricted Working Space, Add</i>	366.40		
27 15 13 00-0456	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,454.52		759.33
		<i>For Work In Restricted Working Space, Add</i>	379.55		
27 15 13 00-0457	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,703.53		864.76
		<i>For Work In Restricted Working Space, Add</i>	432.14		
27 15 13 00-0458	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,856.13		909.07
		<i>For Work In Restricted Working Space, Add</i>	454.53		
27 15 13 00-0459	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,005.94		953.60
		<i>For Work In Restricted Working Space, Add</i>	476.92		
27 15 13 00-0460	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,171.28		1,014.02
		<i>For Work In Restricted Working Space, Add</i>	506.78		
27 15 13 00-0461	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,396.15		1,128.46
		<i>For Work In Restricted Working Space, Add</i>	564.35		
27 15 13 00-0462	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,940.59		1,358.75
		<i>For Work In Restricted Working Space, Add</i>	679.13		
27 15 13 00-0463	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,359.35		2,006.72
		<i>For Work In Restricted Working Space, Add</i>	1,003.24		
27 15 13 00-0464	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,553.29		2,054.11
		<i>For Work In Restricted Working Space, Add</i>	1,027.05		
27 15 13 00-0465	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,370.59		2,391.72
		<i>For Work In Restricted Working Space, Add</i>	1,195.86		
27 15 13 00-0466	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,756.34		2,559.93
		<i>For Work In Restricted Working Space, Add</i>	1,280.08		
27 15 13 00-0467	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,018.62		3,199.62
		<i>For Work In Restricted Working Space, Add</i>	1,599.57		
27 15 13 00-0468	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,406.81		4,212.46
		<i>For Work In Restricted Working Space, Add</i>	2,105.98		

		Communications	27	27
		Structured Cabling	27 10	
		Communications Horizontal Cabling	27 15	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST
				DEMOLITION UNIT COST

27 15 13 00-0469	#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)			
27 15 13 00-0470	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,172.96	659.83
		For Work In Restricted Working Space, Add	329.79	
27 15 13 00-0471	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,239.18	683.51
		For Work In Restricted Working Space, Add	341.52	
27 15 13 00-0472	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,321.98	707.21
		For Work In Restricted Working Space, Add	353.60	
27 15 13 00-0473	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,411.06	730.91
		For Work In Restricted Working Space, Add	365.69	
27 15 13 00-0474	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,538.48	780.65
		For Work In Restricted Working Space, Add	390.21	
27 15 13 00-0475	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,672.20	826.85
		For Work In Restricted Working Space, Add	413.66	
27 15 13 00-0476	Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0476)			
27 15 13 00-0477	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0476)			
27 15 13 00-0478	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,632.90	2,051.74
		For Work In Restricted Working Space, Add	1,025.63	
27 15 13 00-0479	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,937.11	2,125.19
		For Work In Restricted Working Space, Add	1,062.59	
27 15 13 00-0480	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,215.69	2,198.63
		For Work In Restricted Working Space, Add	1,099.55	
27 15 13 00-0481	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,506.40	2,274.44
		For Work In Restricted Working Space, Add	1,137.22	
27 15 13 00-0482	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,912.91	2,426.07
		For Work In Restricted Working Space, Add	1,212.56	
27 15 13 00-0483	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,304.18	2,577.70
		For Work In Restricted Working Space, Add	1,288.61	
27 15 13 00-0484	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,871.82	2,885.70
		For Work In Restricted Working Space, Add	1,442.85	
27 15 13 00-0485	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,754.05	3,802.59
		For Work In Restricted Working Space, Add	1,901.29	
27 15 13 00-0486	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,487.77	5,617.40
		For Work In Restricted Working Space, Add	2,808.94	
27 15 13 00-0487	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0476)			
27 15 13 00-0488	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,242.47	1,831.40
		For Work In Restricted Working Space, Add	916.17	
27 15 13 00-0489	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,510.86	1,897.74
		For Work In Restricted Working Space, Add	948.87	
27 15 13 00-0490	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,756.66	1,964.07
		For Work In Restricted Working Space, Add	981.56	
27 15 13 00-0491	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,015.81	2,030.41
		For Work In Restricted Working Space, Add	1,015.68	
27 15 13 00-0492	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,377.70	2,165.46
		For Work In Restricted Working Space, Add	1,083.20	
27 15 13 00-0493	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,726.47	2,302.88
		For Work In Restricted Working Space, Add	1,151.44	
27 15 13 00-0494	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,977.48	2,440.28
		For Work In Restricted Working Space, Add	1,219.67	
27 15 13 00-0495	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,291.33	2,577.70
		For Work In Restricted Working Space, Add	1,288.61	
27 15 13 00-0496	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,729.54	2,741.18
		For Work In Restricted Working Space, Add	1,370.28	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
27 15 13 00-0497	MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,906.16 1,697.66		3,395.08
27 15 13 00-0498	MLF 24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,231.88 2,508.28		5,015.62
27 15 13 00-0499 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0476)				
27 15 13 00-0500	MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,844.06 806.01		1,611.06
27 15 13 00-0501	MLF 2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,066.01 835.15		1,670.30
27 15 13 00-0502	MLF 3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,228.26 864.29		1,729.53
27 15 13 00-0503	MLF 4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,423.09 893.43		1,786.38
27 15 13 00-0504	MLF 5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,711.29 953.84		1,907.22
27 15 13 00-0505	MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,997.13 1,013.55		2,028.04
27 15 13 00-0506	MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,625.45 1,133.67		2,267.33
27 15 13 00-0507	MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,053.92 1,494.02		2,987.57
27 15 13 00-0508	MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,529.23 2,206.91		4,413.84
27 15 13 00-0509 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0476)				
27 15 13 00-0510	MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,553.75 732.80		1,466.54
27 15 13 00-0511	MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,719.69 759.10		1,518.67
27 15 13 00-0512	MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,144.01 864.29		1,729.53
27 15 13 00-0513	MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,371.24 909.07		1,818.14
27 15 13 00-0514	MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,595.68 953.84		1,907.22
27 15 13 00-0515	MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,860.52 1,013.55		2,028.04
27 15 13 00-0516	MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,277.29 1,128.69		2,256.91
27 15 13 00-0517	MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,204.37 1,358.27		2,717.48
27 15 13 00-0518	MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,703.48 2,006.48		4,013.44
27 15 13 00-0519	MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,976.78 2,054.10		4,108.21
27 15 13 00-0520	MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,356.81 2,391.73		4,783.44
27 15 13 00-0521	MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,023.28 2,560.16		5,119.86
27 15 13 00-0522	MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,350.50 3,199.13		6,399.24
27 15 13 00-0523	MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,426.73 4,211.96		8,424.91
27 15 13 00-0524 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0476)				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0525	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,272.28 659.59	1,319.65
27 15 13 00-0526	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,377.60 683.05	1,367.04
27 15 13 00-0527	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,500.67 707.21	1,414.42
27 15 13 00-0528	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,630.03 731.38	1,461.80
27 15 13 00-0529	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,839.18 780.42	1,561.31
27 15 13 00-0530	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,051.08 827.33	1,653.71
27 15 13 00-0531		Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench (27 15 13 00-0276) Note: Excludes excavation.		
27 15 13 00-0532	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,839.48	
27 15 13 00-0533	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,131.54	
27 15 13 00-0534	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,391.42	
27 15 13 00-0535	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,665.79	
27 15 13 00-0536	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,985.86	
27 15 13 00-0537	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,281.66	
27 15 13 00-0538		Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) (27 15 13 00-0276)		
27 15 13 00-0539	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,950.62	634.82
27 15 13 00-0540	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,307.27	680.12
27 15 13 00-0541	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,983.53	859.80
27 15 13 00-0542	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,554.39	994.47
27 15 13 00-0543	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	10,783.09	1,133.49
27 15 13 00-0544	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	12,844.71	1,448.11
27 15 13 00-0545		Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0276)		
27 15 13 00-0546	MLF	1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,720.24	915.70
27 15 13 00-0547	MLF	2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,037.94	948.87
27 15 13 00-0548	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,264.08	982.04
27 15 13 00-0549	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,389.42	1,015.21
27 15 13 00-0550	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,833.65	1,082.73
27 15 13 00-0551	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,060.32	1,151.43
27 15 13 00-0552	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,791.09	1,288.85
27 15 13 00-0553	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,734.29	1,697.54
27 15 13 00-0554	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,170.54	2,507.81
27 15 13 00-0555	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,490.07	805.53
27 15 13 00-0556	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,751.37	835.14
27 15 13 00-0557	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,968.85	864.76
27 15 13 00-0558	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,080.40	893.19
27 15 13 00-0559	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,460.44	953.60
27 15 13 00-0560	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,748.26	1,014.02
27 15 13 00-0561	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,101.38	1,133.67
27 15 13 00-0562	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,014.81	1,493.79
27 15 13 00-0563	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,368.01	2,206.92
27 15 13 00-0564	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,321.76	733.27
27 15 13 00-0565	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,489.75	759.33
27 15 13 00-0566	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,652.78	785.39
27 15 13 00-0567	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,758.46	812.64

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
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27 15 13 00-0568	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,910.35	867.13
27 15 13 00-0569	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,079.27	921.62
27 15 13 00-0570	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,328.48	1,030.61
27 15 13 00-0571	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,195.04	1,358.75
27 15 13 00-0572	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,840.06	2,006.72
27 15 13 00-0573	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,088.14	2,054.11
27 15 13 00-0574	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,991.77	2,391.72
27 15 13 00-0575	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,461.61	2,559.93
27 15 13 00-0576	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,817.31	3,199.62
27 15 13 00-0577	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,537.04	4,212.46
27 15 13 00-0578	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	20,246.34	7,759.16
27 15 13 00-0579	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	30,213.23	10,268.16
27 15 13 00-0580	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	40,242.81	12,939.44
27 15 13 00-0581	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	56,549.66	17,748.94
27 15 13 00-0582	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,285.58	733.27
27 15 13 00-0583	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,408.82	759.33
27 15 13 00-0584	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,528.91	785.39
27 15 13 00-0585	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,612.72	812.64
27 15 13 00-0586	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,742.76	867.13
27 15 13 00-0587	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,883.24	921.62
27 15 13 00-0588	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,108.39	1,030.61
27 15 13 00-0589	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,859.49	1,358.75
27 15 13 00-0590	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,301.05	2,006.72
27 15 13 00-0591	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,488.33	2,054.11
27 15 13 00-0592	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,291.09	2,391.72
27 15 13 00-0593	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,670.81	2,559.93
27 15 13 00-0594	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,921.75	3,199.62
27 15 13 00-0595	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,269.75	4,212.46
27 15 13 00-0596	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	17,564.42	7,759.16
27 15 13 00-0597	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	25,478.25	10,268.16
27 15 13 00-0598	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	33,493.62	12,939.44
27 15 13 00-0599	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	46,805.97	17,748.94

27 15 13 00-0600 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit

(27 15 13 00-0278)

27 15 13 00-0601	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,729.82	915.70
27 15 13 00-0602	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,945.21	948.87
27 15 13 00-0603	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,083.65	982.04
27 15 13 00-0604	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,265.26	1,015.21
27 15 13 00-0605	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,492.09	1,082.73
27 15 13 00-0606	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,716.57	1,151.43
27 15 13 00-0607	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,239.00	1,288.85
27 15 13 00-0608	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,215.15	1,697.54
27 15 13 00-0609	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,279.14	2,507.81
27 15 13 00-0610	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,515.78	805.53

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
27 15 13 00-0611	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,701.12	835.14	
27 15 13 00-0612	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,821.04	864.76	
27 15 13 00-0613	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,976.65	893.19	
27 15 13 00-0614	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,172.48	953.60	
27 15 13 00-0615	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,367.13	1,014.02	
27 15 13 00-0616	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,817.07	1,133.67	
27 15 13 00-0617	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,667.40	1,493.79	
27 15 13 00-0618	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,462.07	2,206.92	
27 15 13 00-0619	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,343.05	733.27	
27 15 13 00-0620	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,503.00	759.33	
27 15 13 00-0621	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,618.20	785.39	
27 15 13 00-0622	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,819.06	812.64	
27 15 13 00-0623	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,007.67	867.13	
27 15 13 00-0624	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,350.09	921.62	
27 15 13 00-0625	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,627.11	1,030.61	
27 15 13 00-0626	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,341.10	1,358.75	
27 15 13 00-0627	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,023.07	2,006.72	
27 15 13 00-0628	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,290.80	2,054.11	
27 15 13 00-0629	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,274.48	2,391.72	
27 15 13 00-0630	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,728.80	2,559.93	
27 15 13 00-0631	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,119.89	3,199.62	
27 15 13 00-0632	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	10,965.23	4,212.46	
27 15 13 00-0633	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	21,153.20	7,759.16	
27 15 13 00-0634	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	31,813.97	10,268.16	
27 15 13 00-0635	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	42,524.18	12,939.44	
27 15 13 00-0636	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	59,843.12	17,747.75	
27 15 13 00-0637	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,299.19	733.27	
27 15 13 00-0638	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,417.30	759.33	
27 15 13 00-0639	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,506.79	785.39	
27 15 13 00-0640	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,651.48	812.64	
27 15 13 00-0641	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit.....	1,805.00	867.13	
27 15 13 00-0642	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,056.49	921.62	
27 15 13 00-0643	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,299.43	1,030.61	
27 15 13 00-0644	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,952.92	1,358.75	
27 15 13 00-0645	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,418.11	2,006.72	
27 15 13 00-0646	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,617.97	2,054.11	
27 15 13 00-0647	MLF	36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,449.96	2,391.72	
27 15 13 00-0648	MLF	40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,841.74	2,559.93	
27 15 13 00-0649	MLF	50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,115.31	3,199.62	
27 15 13 00-0650	MLF	100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,543.65	4,212.46	
27 15 13 00-0651	MLF	250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	18,144.48	7,759.16	
27 15 13 00-0652	MLF	500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	26,502.30	10,268.16	
27 15 13 00-0653	MLF	750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	34,953.50	12,939.44	
27 15 13 00-0654	MLF	1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	48,913.68	17,748.94	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
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27 15 13 00-0655	Sound System Cables (27 15 13) Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656	Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0655)		
27 15 13 00-0657	Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0656)		
27 15 13 00-0658	MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,968.18	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0659	MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,863.71	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0660	MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,783.13	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0661	MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,871.25	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0662	MLF 4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,154.47	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0663	MLF 6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,436.76	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0664	MLF 4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,155.66	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0665	MLF 4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,019.67	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0666	Plenum Rated Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0656)		
27 15 13 00-0667	MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,011.34	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0668	MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,891.16	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0669	MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,823.14	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0670	MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,936.65	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0671	MLF 8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,176.44	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0672	MLF 2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,149.99	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0673	MLF 2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,983.76	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0674	MLF 4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,266.32	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0675	MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,548.10	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0676	MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,857.25	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0677	MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,913.39	829.23
	For Work In Restricted Working Space, Add	497.54	
27 15 13 00-0678	Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0655)		
27 15 13 00-0679	Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0678)		
27 15 13 00-0680	MLF 2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,138.96	414.61
27 15 13 00-0681	MLF 2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,034.49	414.61
27 15 13 00-0682	MLF 2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	953.91	414.61
27 15 13 00-0683	MLF 4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,042.03	414.61
27 15 13 00-0684	MLF 4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,325.25	414.61
27 15 13 00-0685	MLF 6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,607.54	414.61
27 15 13 00-0686	MLF 4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,326.44	414.61

			Communications	27	27
			Structured Cabling	27 10	
			Communications Horizontal Cabling	27 15	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,190.45	414.61
27 15 13 00-0688		Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 15 13 00-0678)		
27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,182.12	414.61
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,061.94	414.61
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	993.92	414.61
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,107.43	414.61
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,347.22	414.61
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,320.77	414.61
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,154.54	414.61
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,437.10	414.61
27 15 13 00-0697	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,718.88	414.61
27 15 13 00-0698	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	1,084.17	414.61
27 15 13 00-0699	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	1,028.03	414.61
27 15 23		Communications Optical Fiber Horizontal Cabling (27 15)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.				
27 15 23 00-0001		Indoor Fiber Optic Cable (27 15 23)		
Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.				
27 15 23 00-0002		Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001)		
Note: Excludes conduit or innerduct.				
27 15 23 00-0003		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0002)		
27 15 23 00-0004		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)		
27 15 23 00-0005		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,083.99	466.76
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,176.23	466.76
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,207.02	466.76
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,316.70	466.76
For Aluminum Armored Cable, Add			836.29	
For Steel Armored Cable, Add			1,656.58	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,348.14	466.76
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,538.22	466.76
For Aluminum Armored Cable, Add			884.22	
For Steel Armored Cable, Add			1,743.68	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,587.88	544.56
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,603.23	544.56
For Aluminum Armored Cable With Sub-Units, Add			1,742.52	
For Steel Armored Cable, Add			2,401.69	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,374.89	544.56
For Aluminum Armored Cable With Sub-Units, Add			1,836.94	
For Steel Armored Cable, Add			2,219.85	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,524.56	544.56
For Aluminum Armored Cable With Sub-Units, Add			1,927.32	
For Steel Armored Cable, Add			2,324.45	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,468.36	544.56
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,719.35	544.56
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,039.54	544.56
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,438.65	622.36
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,238.95	622.36
27 15 23 00-0021		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)		
27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,110.55	466.76
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,232.02	466.76
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,501.63	466.76
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,785.43	466.76
For Aluminum Armored Cable, Add			876.82	
For Steel Armored Cable, Add			1,165.21	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
27 15 23 00-0026	MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,055.04	466.76	
27 15 23 00-0027	MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,608.45	466.76	
	For Aluminum Armored Cable, Add		833.93		
	For Steel Armored Cable, Add		1,209.69		
27 15 23 00-0028	MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,880.01	544.56	
27 15 23 00-0029	MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		4,880.80	544.56	
	For Aluminum Armored Cable With Sub-Units, Add		912.06		
	For Steel Armored Cable, Add		912.06		
27 15 23 00-0030	MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		6,867.40	544.56	
27 15 23 00-0031	MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		8,854.00	544.56	
	For Aluminum Armored Cable With Sub-Units, Add		1,627.59		
27 15 23 00-0032	MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		10,840.60	544.56	
27 15 23 00-0033	MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		12,827.20	544.56	
27 15 23 00-0034	MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		16,814.59	544.56	
	For Aluminum Armored Cable With Sub-Units, Add		7,009.86		
27 15 23 00-0035	MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		20,917.44	622.36	
27 15 23 00-0036	MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		24,890.64	622.36	
27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0004)					
27 15 23 00-0038	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		1,127.18	466.76	
27 15 23 00-0039	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		1,254.72	466.76	
27 15 23 00-0040	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		1,537.81	466.76	
27 15 23 00-0041	MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		1,835.80	466.76	
27 15 23 00-0042	MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,118.90	466.76	
27 15 23 00-0043	MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,699.98	466.76	
27 15 23 00-0044	MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,978.63	544.56	
27 15 23 00-0045	MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		5,079.46	544.56	
27 15 23 00-0046	MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		7,165.39	544.56	
27 15 23 00-0047	MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		9,251.32	544.56	
27 15 23 00-0048	MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		11,337.25	544.56	
27 15 23 00-0049	MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		13,423.18	544.56	
27 15 23 00-0050	MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		17,609.94	544.56	
27 15 23 00-0051	MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		21,911.45	622.36	
27 15 23 00-0052	MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		26,083.31	622.36	
27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0003)					
27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)					
27 15 23 00-0055	MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		1,938.86	466.76	
27 15 23 00-0056	MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,282.85	466.76	
27 15 23 00-0057	MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		3,039.61	466.76	
27 15 23 00-0058	MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		3,400.76	466.76	
27 15 23 00-0059	MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		5,861.18	466.76	
27 15 23 00-0060	MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		6,196.28	544.56	
27 15 23 00-0061	MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		7,781.46	544.56	
27 15 23 00-0062	MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		10,925.98	544.56	
27 15 23 00-0063	MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		13,376.85	544.56	
27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0053)					
27 15 23 00-0065	MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,315.13	466.76	
27 15 23 00-0066	MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		2,799.80	466.76	
27 15 23 00-0067	MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		3,598.91	466.76	
27 15 23 00-0068	MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit		4,786.62	466.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0069	MLF		12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,279.83	466.76
27 15 23 00-0070	MLF		18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,046.19	544.56
27 15 23 00-0071	MLF		24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,826.16	544.56
27 15 23 00-0072	MLF		36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,043.12	544.56
27 15 23 00-0073	MLF		48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,267.88	544.56
27 15 23 00-0074			62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ^(27 15 23 00-0053)		
27 15 23 00-0075	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,391.99	466.76
27 15 23 00-0076	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,900.90	466.76
27 15 23 00-0077	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,739.96	466.76
27 15 23 00-0078	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,987.05	466.76
27 15 23 00-0079	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,504.93	466.76
27 15 23 00-0080	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,353.12	544.56
27 15 23 00-0081	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,222.09	544.56
27 15 23 00-0082	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,499.90	544.56
27 15 23 00-0083	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,985.89	544.56
27 15 23 00-0084			Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ^(27 15 23 00-0002)		
27 15 23 00-0085			Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ^(27 15 23 00-0084)		
27 15 23 00-0086			Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ^(27 15 23 00-0085)		
27 15 23 00-0087	MLF		1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,087.80	466.76
27 15 23 00-0088	MLF		2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,092.48	466.76
27 15 23 00-0089	MLF		4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,337.95	466.76
27 15 23 00-0090	MLF		6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,366.67	466.76
			<i>For Aluminum Armored Cable, Add</i>	975.69	
			<i>For Steel Armored Cable, Add</i>	5,370.90	
27 15 23 00-0091	MLF		8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,511.27	466.76
27 15 23 00-0092	MLF		12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,538.32	466.76
			<i>For Aluminum Armored Cable, Add</i>	1,021.93	
			<i>For Steel Armored Cable, Add</i>	5,764.99	
27 15 23 00-0093	MLF		18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,386.48	544.56
27 15 23 00-0094	MLF		24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,316.06	544.56
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	927.38	
			<i>For Steel Armored Cable, Add</i>	6,052.59	
27 15 23 00-0095	MLF		36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,776.55	544.56
27 15 23 00-0096	MLF		48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,949.87	544.56
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,421.87	
			<i>For Steel Armored Cable, Add</i>	7,569.86	
27 15 23 00-0097	MLF		60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,360.35	544.56
27 15 23 00-0098	MLF		72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,866.30	544.56
27 15 23 00-0099	MLF		96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,995.97	544.56
27 15 23 00-0100			50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ^(27 15 23 00-0085)		
27 15 23 00-0101	MLF		1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,108.76	466.76
27 15 23 00-0102	MLF		2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,552.64	466.76
27 15 23 00-0103	MLF		4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,027.23	466.76
27 15 23 00-0104	MLF		6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,511.33	466.76
			<i>For Aluminum Armored Cable, Add</i>	153.66	
			<i>For Steel Armored Cable, Add</i>	505.83	
27 15 23 00-0105	MLF		8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,975.20	466.76
27 15 23 00-0106	MLF		12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,378.23	466.76
			<i>For Aluminum Armored Cable, Add</i>	40.15	
			<i>For Steel Armored Cable, Add</i>	439.92	
27 15 23 00-0107	MLF		18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,301.15	544.56

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27 15 23 00-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,743.52	544.56
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	2,030.76	
		<i>For Steel Armored Cable, Add</i>	4,736.32	
27 15 23 00-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,161.48	544.56
27 15 23 00-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,579.44	544.56
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	6,030.26	
27 15 23 00-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,997.40	544.56
27 15 23 00-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,415.36	544.56
27 15 23 00-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	28,275.69	544.56
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	12,060.52	

27 15 23 00-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit

(27 15 23 00-0085)

27 15 23 00-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,125.30	466.76
27 15 23 00-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,591.38	466.76
27 15 23 00-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,089.69	466.76
27 15 23 00-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,598.00	466.76
27 15 23 00-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,085.06	466.76
27 15 23 00-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,508.24	466.76
27 15 23 00-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,470.82	544.56
27 15 23 00-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,085.32	544.56
27 15 23 00-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,674.17	544.56
27 15 23 00-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,263.03	544.56
27 15 23 00-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,851.89	544.56
27 15 23 00-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,440.75	544.56
27 15 23 00-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	29,644.10	544.56

27 15 23 00-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit

(27 15 23 00-0084)

27 15 23 00-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit

(27 15 23 00-0128)

27 15 23 00-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,990.86	466.76
27 15 23 00-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,409.38	466.76
27 15 23 00-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,415.52	466.76
27 15 23 00-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,401.57	466.76
27 15 23 00-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,975.28	466.76
27 15 23 00-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,919.84	544.56
27 15 23 00-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,253.44	544.56
27 15 23 00-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,217.96	544.56
27 15 23 00-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,454.64	544.56

27 15 23 00-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit

(27 15 23 00-0128)

27 15 23 00-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,157.05	466.76
27 15 23 00-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,435.88	466.76
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,718.54	466.76
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,881.92	466.76
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,686.68	466.76
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,995.45	544.56
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,786.97	544.56
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,725.15	544.56
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	33,134.08	544.56

27 15 23 00-0149			62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)		
27 15 23 00-0150	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,376.01	466.76
27 15 23 00-0151	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,718.78	466.76
27 15 23 00-0152	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,115.57	466.76
27 15 23 00-0153	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,337.12	466.76
27 15 23 00-0154	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,232.11	466.76
27 15 23 00-0155	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,749.84	544.56
27 15 23 00-0156	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,680.94	544.56
27 15 23 00-0157	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,716.03	544.56
27 15 23 00-0158	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	34,745.40	544.56
27 15 23 00-0159			Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0001)		
27 15 23 00-0160			Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0159)		
27 15 23 00-0161			Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0160)		
27 15 23 00-0162			Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)		
27 15 23 00-0163	MLF		1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,343.30	622.36
			<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0164	MLF		2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,435.54	622.36
			<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0165	MLF		4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,466.33	622.36
			<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0166	MLF		6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,576.01	622.36
			<i>For Aluminum Armored Cable, Add</i>	836.29	
			<i>For Steel Armored Cable, Add</i>	1,656.58	
			<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0167	MLF		8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,607.45	622.36
			<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0168	MLF		12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,797.53	622.36
			<i>For Aluminum Armored Cable, Add</i>	884.22	
			<i>For Steel Armored Cable, Add</i>	1,743.68	
			<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0169	MLF		18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,847.19	700.15
			<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0170	MLF		24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,862.54	700.15
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,742.52	
			<i>For Steel Armored Cable, Add</i>	2,401.69	
			<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0171	MLF		36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,634.20	700.15
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,836.94	
			<i>For Steel Armored Cable, Add</i>	2,219.85	
			<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0172	MLF		48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,783.87	700.15
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,927.32	
			<i>For Steel Armored Cable, Add</i>	2,324.45	
			<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0173	MLF		60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,727.67	700.15
			<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0174	MLF		72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,978.66	700.15
			<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0175	MLF		96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,298.85	700.15
			<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0176	MLF		120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,697.97	777.94
			<i>For Work In Restricted Working Space, Add</i>	388.97	
27 15 23 00-0177	MLF		144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,498.27	777.94
			<i>For Work In Restricted Working Space, Add</i>	388.97	
27 15 23 00-0178			50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0161)		
27 15 23 00-0179	MLF		1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,369.86	622.36
			<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0180	MLF		2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,491.33	622.36
			<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0181	MLF		4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,760.94	622.36
			<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0182	MLF		6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,044.74	622.36
			<i>For Aluminum Armored Cable, Add</i>	876.82	
			<i>For Steel Armored Cable, Add</i>	1,165.21	
			<i>For Work In Restricted Working Space, Add</i>	311.18	

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27 15 23 00-0183	MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,314.35	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0184	MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,867.76	622.36
	<i>For Aluminum Armored Cable, Add</i>	833.93	
	<i>For Steel Armored Cable, Add</i>	1,209.69	
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0185	MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,139.32	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0186	MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,140.11	700.15
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	912.06	
	<i>For Steel Armored Cable, Add</i>	912.06	
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0187	MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,126.71	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0188	MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,113.31	700.15
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,627.59	
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0189	MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,099.91	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0190	MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,086.51	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0191	MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,073.90	700.15
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	7,009.86	
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0192	MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,176.76	777.94
	<i>For Work In Restricted Working Space, Add</i>	388.97	
27 15 23 00-0193	MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	25,149.96	777.94
	<i>For Work In Restricted Working Space, Add</i>	388.97	

27 15 23 00-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed
(27 15 23 00-0161)

27 15 23 00-0195	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,386.49	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0196	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,514.03	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0197	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,797.12	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0198	MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,095.11	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0199	MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,378.21	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0200	MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,959.29	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0201	MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,237.94	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0202	MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,338.77	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0203	MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,424.70	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0204	MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,510.63	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0205	MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,596.56	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0206	MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,682.49	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0207	MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,869.25	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0208	MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,170.77	777.94
	<i>For Work In Restricted Working Space, Add</i>	388.97	
27 15 23 00-0209	MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	26,342.63	777.94
	<i>For Work In Restricted Working Space, Add</i>	388.97	

27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed
(27 15 23 00-0160)
27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed
(27 15 23 00-0210)

27 15 23 00-0212	MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,198.17	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	

		Communications	27	27
		Structured Cabling	27 10	
		Communications Horizontal Cabling	27 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0213		MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,542.16 311.18	622.36
27 15 23 00-0214		MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,298.92 311.18	622.36
27 15 23 00-0215		MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,660.07 311.18	622.36
27 15 23 00-0216		MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,120.49 311.18	622.36
27 15 23 00-0217		MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,455.59 350.07	700.15
27 15 23 00-0218		MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,040.77 350.07	700.15
27 15 23 00-0219		MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,185.29 350.07	700.15
27 15 23 00-0220		MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	13,636.16 350.07	700.15
27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0210)					
27 15 23 00-0222		MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,574.44 311.18	622.36
27 15 23 00-0223		MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,059.11 311.18	622.36
27 15 23 00-0224		MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,858.22 311.18	622.36
27 15 23 00-0225		MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,045.93 311.18	622.36
27 15 23 00-0226		MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,539.14 311.18	622.36
27 15 23 00-0227		MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,305.50 350.07	700.15
27 15 23 00-0228		MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,085.47 350.07	700.15
27 15 23 00-0229		MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,302.43 350.07	700.15
27 15 23 00-0230		MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	15,527.19 350.07	700.15
27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0210)					
27 15 23 00-0232		MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,651.30 311.18	622.36
27 15 23 00-0233		MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,160.21 311.18	622.36
27 15 23 00-0234		MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,999.27 311.18	622.36
27 15 23 00-0235		MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,246.36 311.18	622.36
27 15 23 00-0236		MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,764.24 311.18	622.36
27 15 23 00-0237		MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,612.43 350.07	700.15
27 15 23 00-0238		MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,481.40 350.07	700.15
27 15 23 00-0239		MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,759.21 350.07	700.15
27 15 23 00-0240		MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,245.20 350.07	700.15
27 15 23 00-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0159)					
27 15 23 00-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0241)					
27 15 23 00-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)					
27 15 23 00-0244		MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,347.11 311.18	622.36
27 15 23 00-0245		MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,351.79 311.18	622.36
27 15 23 00-0246		MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,597.26 311.18	622.36
27 15 23 00-0247		MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,625.98 975.69 5,370.90 311.18	622.36
27 15 23 00-0248		MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,770.58 311.18	622.36

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 23 00-0249	MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,797.63	622.36
	<i>For Aluminum Armored Cable, Add</i>	1,021.93	
	<i>For Steel Armored Cable, Add</i>	5,764.99	
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0250	MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,645.79	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0251	MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,575.37	700.15
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	927.38	
	<i>For Steel Armored Cable, Add</i>	6,052.59	
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0252	MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,035.86	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0253	MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,209.18	700.15
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,421.87	
	<i>For Steel Armored Cable, Add</i>	7,569.86	
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0254	MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,619.66	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0255	MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,125.61	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0256	MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,255.28	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	

27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed

(27 15 23 00-0242)

27 15 23 00-0258	MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,368.07	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0259	MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,811.95	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0260	MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,286.54	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0261	MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,770.64	622.36
	<i>For Aluminum Armored Cable, Add</i>	153.66	
	<i>For Steel Armored Cable, Add</i>	505.83	
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0262	MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,234.51	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0263	MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,637.54	622.36
	<i>For Aluminum Armored Cable, Add</i>	40.15	
	<i>For Steel Armored Cable, Add</i>	439.92	
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0264	MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,560.46	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0265	MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,002.83	700.15
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	2,030.76	
	<i>For Steel Armored Cable, Add</i>	4,736.32	
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0266	MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,420.79	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0267	MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,838.75	700.15
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	6,030.26	
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0268	MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,256.71	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0269	MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	21,674.67	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
	<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0270	MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	28,535.00	700.15
	<i>For Work In Restricted Working Space, Add</i>	350.07	
	<i>For Aluminum Armored Cable With Sub-Units, Add</i>	12,060.52	
	<i>For Work In Restricted Working Space, Add</i>	350.07	

27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed

(27 15 23 00-0242)

27 15 23 00-0272	MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,384.61	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0273	MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,850.69	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0274	MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,349.00	622.36
	<i>For Work In Restricted Working Space, Add</i>	311.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	2,857.31	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	3,344.37	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	3,767.55	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	4,730.13	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	8,344.63	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	11,933.48	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	15,522.34	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	19,111.20	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	22,700.06	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	29,903.41	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0285		Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0241)			
27 15 23 00-0286		Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)			
27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	3,250.17	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	3,668.69	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	4,674.83	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	5,660.88	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	7,234.59	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	10,179.15	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	14,512.75	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	17,477.27	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	21,713.95	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0296		50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)			
27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	5,416.36	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	6,695.19	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	8,977.85	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	10,141.23	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	11,945.99	622.36
		For Work In Restricted Working Space, Add	.....	311.18	
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	16,254.76	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	19,046.28	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	20,984.46	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	.....	33,393.39	700.15
		For Work In Restricted Working Space, Add	.....	350.07	
27 15 23 00-0306		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0285)			

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,635.32	622.36
		<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,978.09	622.36
		<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,374.88	622.36
		<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,596.43	622.36
		<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,491.42	622.36
		<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	17,009.15	700.15
		<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,940.25	700.15
		<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	21,975.34	700.15
		<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	35,004.71	700.15
		<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0316		Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0001) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0317		Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0316)		
27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,527.54	466.76
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,541.33	466.76
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	5,792.61	544.56
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	9,087.22	544.56
27 15 23 00-0322		Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0316)		
27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,808.00	466.76
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,580.80	466.76
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	6,860.98	544.56
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	11,779.36	544.56
27 15 23 00-0327		Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0001) Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0328		Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0327)		
27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	1,786.85	622.36
		<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,800.64	622.36
		<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	6,051.92	700.15
		<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	9,346.53	700.15
		<i>For Work In Restricted Working Space, Add</i>	350.07	
27 15 23 00-0333		Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0327)		
27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,067.31	622.36
		<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,840.11	622.36
		<i>For Work In Restricted Working Space, Add</i>	311.18	
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	7,120.29	700.15
		<i>For Work In Restricted Working Space, Add</i>	350.07	

			Communications	27	27
			Structured Cabling	27 10	
			Communications Horizontal Cabling	27 15	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	12,038.67	700.15
		For Work In Restricted Working Space, Add	350.07	
27 15 23 00-0338		Outdoor Fiber Optic Cable (27 15 23)		
		Note: Cable buried in trench excludes excavation.		
27 15 23 00-0339		Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0338)		
		Note: Excludes conduit or innerduct.		
27 15 23 00-0340		Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0339)		
27 15 23 00-0341		Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0340)		
27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,105.16	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	268.30	
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,138.57	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	270.53	
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,172.01	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	272.67	
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,205.44	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	275.29	
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,271.86	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	249.10	
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,407.72	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	277.53	
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,477.56	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	218.48	
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,499.11	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	255.38	
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,898.80	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	280.95	
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,119.15	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	280.93	
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,405.05	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	332.04	
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,908.37	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	318.79	
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,458.31	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	387.10	
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,033.88	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	259.12	
27 15 23 00-0356		50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0340)		
27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,938.64	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	-4.02	
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,017.13	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	41.21	
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,181.56	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	106.57	
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,405.79	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	-64.62	
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,499.22	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	-34.32	
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,816.89	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	-16.15	
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,489.58	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	-87.85	
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,479.94	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	0.01	
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,582.41	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	-200.97	
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,348.54	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	-100.97	
27 15 23 00-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,338.90	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	464.14	
27 15 23 00-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,637.28	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	-208.04	
27 15 23 00-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	12,916.97	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	-278.22	
27 15 23 00-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	15,196.66	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	-330.75	
27 15 23 00-0371		62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0340)		
27 15 23 00-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,873.39	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	114.74	
27 15 23 00-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,983.70	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	123.04	
27 15 23 00-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,093.85	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	131.15	
27 15 23 00-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,229.91	933.53
		For Corrugated Coated Steel Tape Armored Cable, Add	149.30	

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 23 00-0376	MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,424.78	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	155.69	
27 15 23 00-0377	MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,769.29	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	165.93	
27 15 23 00-0378	MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,095.64	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	190.82	
27 15 23 00-0379	MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,720.23	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	212.05	
27 15 23 00-0380	MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,450.77	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	243.81	
27 15 23 00-0381	MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,125.53	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	262.35	
27 15 23 00-0382	MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,837.70	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	296.94	
27 15 23 00-0383	MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	7,278.09	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	333.87	
27 15 23 00-0384	MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	8,741.60	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	378.90	
27 15 23 00-0385	MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	10,227.70	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	348.05	

27 15 23 00-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit

(27 15 23 00-0339)

27 15 23 00-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit

(27 15 23 00-0386)

27 15 23 00-0388	MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,296.45	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	212.03	
27 15 23 00-0389	MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,361.59	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	304.32	
27 15 23 00-0390	MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,381.14	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	291.65	
27 15 23 00-0391	MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,459.16	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	242.79	
27 15 23 00-0392	MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,483.51	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	290.17	
27 15 23 00-0393	MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,592.86	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	275.21	
27 15 23 00-0394	MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,690.91	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	278.47	
27 15 23 00-0395	MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,847.32	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	353.13	
27 15 23 00-0396	MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,067.68	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	357.74	
27 15 23 00-0397	MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,287.18	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	370.62	
27 15 23 00-0398	MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,584.77	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	318.80	
27 15 23 00-0399	MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,066.13	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	415.76	
27 15 23 00-0400	MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,695.89	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	409.39	
27 15 23 00-0401	MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,211.23	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	327.02	

27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit

(27 15 23 00-0386)

27 15 23 00-0403	MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,516.04	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	300.05	
27 15 23 00-0404	MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,744.08	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	168.03	
27 15 23 00-0405	MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,044.13	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	36.01	
27 15 23 00-0406	MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,188.15	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	60.01	
27 15 23 00-0407	MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,332.18	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	60.01	
27 15 23 00-0408	MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,668.23	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	72.01	
27 15 23 00-0409	MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,968.28	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	276.05	
27 15 23 00-0410	MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,616.39	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	540.09	
27 15 23 00-0411	MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,264.50	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	900.15	
27 15 23 00-0412	MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,804.59	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	990.16	
27 15 23 00-0413	MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	6,512.71	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,260.21	
27 15 23 00-0414	MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	7,988.95	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,860.31	
27 15 23 00-0415	MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	8,733.08	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,404.23	
27 15 23 00-0416	MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	10,641.39	933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,420.57	

		Communications	27	27
		Structured Cabling	27 10	
		Communications Horizontal Cabling	27 15	
MINOR	TOTAL DIRECT	DEMOLITION		
CSI UOM DESCRIPTION	UNIT COST	UNIT COST		

27 15 23 00-0417	62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0386)			
27 15 23 00-0418	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,947.88		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	144.02		
27 15 23 00-0419	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,055.90		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	155.69		
27 15 23 00-0420	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,163.74		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	167.34		
27 15 23 00-0421	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,271.75		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	178.98		
27 15 23 00-0422	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,551.57		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	192.51		
27 15 23 00-0423	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,825.95		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	225.59		
27 15 23 00-0424	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,162.16		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	245.03		
27 15 23 00-0425	MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,812.92		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	302.75		
27 15 23 00-0426	MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,475.85		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	346.87		
27 15 23 00-0427	MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,141.06		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	386.26		
27 15 23 00-0428	MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,840.52		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	430.74		
27 15 23 00-0429	MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,259.91		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	507.90		
27 15 23 00-0430	MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,091.94		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	525.04		
27 15 23 00-0431	MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,165.57		933.53
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	542.01		
27 15 23 00-0432	Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0338)			
	Note: Excludes trenching.			
27 15 23 00-0433	Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0432)			
27 15 23 00-0434	Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0433)			
27 15 23 00-0435	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,975.50		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	268.30		
27 15 23 00-0436	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,008.91		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	270.53		
27 15 23 00-0437	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,042.35		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	272.67		
27 15 23 00-0438	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,075.78		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	275.29		
27 15 23 00-0439	MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,142.20		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	249.10		
27 15 23 00-0440	MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,278.06		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	277.53		
27 15 23 00-0441	MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,347.90		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	218.48		
27 15 23 00-0442	MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,369.45		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	255.38		
27 15 23 00-0443	MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,769.14		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	280.95		
27 15 23 00-0444	MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,270.42		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	280.93		
27 15 23 00-0445	MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,607.43		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	332.04		
27 15 23 00-0446	MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,778.71		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	318.79		
27 15 23 00-0447	MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,328.65		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	387.10		
27 15 23 00-0448	MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,904.22		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	259.12		
27 15 23 00-0449	50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0433)			
27 15 23 00-0450	MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,808.98		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-4.02		
27 15 23 00-0451	MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,887.47		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	41.21		
27 15 23 00-0452	MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,051.90		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	106.57		
27 15 23 00-0453	MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,276.13		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-64.62		
27 15 23 00-0454	MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,369.56		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-34.32		
27 15 23 00-0455	MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,687.23		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-16.15		
27 15 23 00-0456	MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,359.92		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-87.85		
27 15 23 00-0457	MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,350.28		
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	0.01		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 15 23 00-0458	MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,452.75
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-200.97
27 15 23 00-0459	MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,218.88
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-100.97
27 15 23 00-0460	MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,209.24
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	464.14
27 15 23 00-0461	MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,507.62
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-208.04
27 15 23 00-0462	MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	12,787.31
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-278.22
27 15 23 00-0463	MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	15,067.00
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-330.75

27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0433)

27 15 23 00-0465	MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,743.73
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	114.74
27 15 23 00-0466	MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,854.04
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	123.04
27 15 23 00-0467	MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,964.19
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	131.15
27 15 23 00-0468	MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,100.25
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	149.30
27 15 23 00-0469	MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,295.12
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	155.69
27 15 23 00-0470	MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,639.63
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	165.93
27 15 23 00-0471	MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,965.98
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	190.82
27 15 23 00-0472	MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,590.57
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	212.05
27 15 23 00-0473	MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,321.11
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	243.81
27 15 23 00-0474	MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,995.87
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	262.35
27 15 23 00-0475	MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,708.04
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	296.94
27 15 23 00-0476	MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,148.43
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	333.87
27 15 23 00-0477	MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,611.94
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	378.90
27 15 23 00-0478	MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,098.04
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	348.05

27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0432)
27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0479)

27 15 23 00-0481	MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,166.79
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	212.03
27 15 23 00-0482	MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,231.93
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	304.32
27 15 23 00-0483	MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,251.48
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	291.65
27 15 23 00-0484	MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,329.50
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	242.79
27 15 23 00-0485	MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,353.85
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	290.17
27 15 23 00-0486	MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,463.20
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	275.21
27 15 23 00-0487	MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,561.25
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	278.47
27 15 23 00-0488	MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,717.66
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	353.13
27 15 23 00-0489	MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,938.02
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	357.74
27 15 23 00-0490	MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,157.52
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	370.62
27 15 23 00-0491	MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,455.11
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	318.80
27 15 23 00-0492	MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,936.47
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	415.76
27 15 23 00-0493	MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,566.23
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	409.39
27 15 23 00-0494	MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,081.57
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	327.02

27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0479)

27 15 23 00-0496	MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,386.38
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	300.05
27 15 23 00-0497	MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,614.42
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	168.03

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,914.47		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	36.01		
27 15 23 00-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,058.49		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	60.01		
27 15 23 00-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,202.52		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	60.01		
27 15 23 00-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,538.57		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	72.01		
27 15 23 00-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,838.62		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	276.05		
27 15 23 00-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,486.73		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	540.09		
27 15 23 00-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	5,134.84		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	900.15		
27 15 23 00-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	5,674.93		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	990.16		
27 15 23 00-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	6,383.05		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,260.21		
27 15 23 00-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	7,859.29		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,860.31		
27 15 23 00-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	8,603.42		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,404.23		
27 15 23 00-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	10,511.73		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,420.57		

27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0479)

27 15 23 00-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,818.22		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	144.02		
27 15 23 00-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	1,926.24		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	155.69		
27 15 23 00-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,034.08		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	167.34		
27 15 23 00-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,142.09		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	178.98		
27 15 23 00-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,421.91		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	192.51		
27 15 23 00-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	2,696.29		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	225.59		
27 15 23 00-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,032.50		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	245.03		
27 15 23 00-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	3,683.26		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	302.75		
27 15 23 00-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	4,346.19		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	346.87		
27 15 23 00-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	5,011.40		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	386.26		
27 15 23 00-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	5,710.86		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	430.74		
27 15 23 00-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	7,130.25		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	507.90		
27 15 23 00-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	8,642.47		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	525.04		
27 15 23 00-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench.....	10,035.91		
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	542.01		

27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0338)

27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0525)

27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles (27 15 23 00-0526)

27 15 23 00-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,925.09	3,454.13	
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	179.45		
27 15 23 00-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,958.28	3,454.13	
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	184.10		
27 15 23 00-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,991.91	3,454.13	
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	188.62		
27 15 23 00-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,025.10	3,454.13	
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	185.01		
27 15 23 00-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,091.51	3,454.13	
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	215.69		
27 15 23 00-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,222.64	3,454.13	
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	224.23		
27 15 23 00-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,322.66	3,454.13	
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	247.84		
27 15 23 00-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,560.44	3,454.13	
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	237.64		
27 15 23 00-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,768.39	3,454.13	
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	276.08		
27 15 23 00-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,940.29	3,454.13	
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	264.74		
27 15 23 00-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,154.73	3,454.13	
		<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	302.68		

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
27 15 23 00-0539	MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,717.54	307.42	3,454.13	
27 15 23 00-0540	MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,321.37	366.83	3,454.13	
27 15 23 00-0541	MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,466.13	393.89	3,454.13	
27 15 23 00-0542	Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.				
27 15 23 00-0543	Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0542)				
27 15 23 00-0544	MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,874.35		777.94	
27 15 23 00-0545	MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	4,846.05		777.94	
27 15 23 00-0546	MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	7,010.65		777.94	
27 15 23 00-0547	Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0542)				
27 15 23 00-0548	MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	5,113.70		777.94	
27 15 23 00-0549	MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	5,665.90		777.94	
27 15 23 00-0550	MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	8,081.38		777.94	
27 15 23 00-0551	Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes trenching.				
27 15 23 00-0552	Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0551)				
27 15 23 00-0553	MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,744.69		713.11	
27 15 23 00-0554	MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,716.39		713.11	
27 15 23 00-0555	MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,880.99		713.11	
27 15 23 00-0556	Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0551)				
27 15 23 00-0557	MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,984.04		713.11	
27 15 23 00-0558	MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,536.24		713.11	
27 15 23 00-0559	MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	7,951.72		713.11	
27 15 33	Communications Coaxial Horizontal Cabling (27 15) Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.				
27 15 33 00-0001	Indoor Coaxial Cable (27 15 33)				
27 15 33 00-0002	Coaxial Distribution Cable (27 15 33 00-0001) Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.				
27 15 33 00-0003	MLF RG-6/U Coaxial Distribution Cable, Installed In Conduit.....	3,256.68		379.07	
27 15 33 00-0004	MLF RG-6A/U Coaxial Distribution Cable, Installed In Conduit.....	12,858.26		379.07	
27 15 33 00-0005	MLF RG-8/U Coaxial Distribution Cable, Installed In Conduit.....	6,615.96		400.40	
27 15 33 00-0006	MLF RG-8A/U Coaxial Distribution Cable, Installed In Conduit.....	8,419.55		400.40	
27 15 33 00-0007	MLF RG-11/U Coaxial Distribution Cable, Installed In Conduit.....	7,395.20		473.84	
27 15 33 00-0008	MLF RG-11A/U Coaxial Distribution Cable, Installed In Conduit.....	10,883.20		473.84	
27 15 33 00-0009	MLF RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	23,827.25		663.37	
27 15 33 00-0010	MLF RG-58/U Coaxial Distribution Cable, Installed In Conduit.....	2,360.56		331.69	
27 15 33 00-0011	MLF RG-58A/U Coaxial Distribution Cable, Installed In Conduit.....	2,717.95		331.69	
27 15 33 00-0012	MLF RG-58C/U Coaxial Distribution Cable, Installed In Conduit.....	3,347.52		331.69	
27 15 33 00-0013	MLF RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	8,289.01		663.37	
27 15 33 00-0014	MLF RG-59/U Coaxial Distribution Cable, Installed In Conduit.....	4,030.27		331.69	
27 15 33 00-0015	MLF RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	10,162.23		663.37	
27 15 33 00-0016	MLF 1/2" Hard Line Coaxial, Installed In Conduit.....	3,219.84		473.84	
27 15 33 00-0017	Coaxial, Indoor Telecommunications Cable (27 15 33 00-0001)				
27 15 33 00-0018	Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 15 33 00-0017)				
27 15 33 00-0019	MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,908.30		544.56	
27 15 33 00-0020	MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	4,762.62		544.56	
27 15 33 00-0021	MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,519.13		622.36	
27 15 33 00-0022	MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	6,016.66		622.36	
27 15 33 00-0023	Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 15 33 00-0017)				
27 15 33 00-0024	MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)..... <i>For Work In Restricted Working Space, Add</i>	2,815.89	544.56	1,089.11	
27 15 33 00-0025	MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)..... <i>For Work In Restricted Working Space, Add</i>	5,670.21	544.56	1,089.11	

Natividad MEDICAL CENTER		Communications 27		27	
		Structured Cabling 27 10			
		Communications Horizontal Cabling 27 15			
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 33 00-0026	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)..... <i>For Work In Restricted Working Space, Add</i>	2,556.39 622.35	1,244.70
27 15 33 00-0027	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)..... <i>For Work In Restricted Working Space, Add</i>	7,053.92 622.35	1,244.70
27 15 33 00-0028			Outdoor Coaxial Cable (27 15 33)		
27 15 33 00-0029			Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 15 33 00-0028) Note: Corrugated steel armor jacket.		
27 15 33 00-0030	MLF		TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	8,407.99	1,773.59
27 15 33 00-0031	MLF		TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	5,157.33	1,247.51
27 15 33 00-0032	MLF		TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	4,710.97	736.00
27 15 33 00-0033	MLF		TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	2,207.47	736.00
27 15 33 00-0034	MLF		1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit.....	3,242.52	1,150.01
27 15 43			Communications Faceplates and Connectors (27 15)		
27 15 43 00-0001			Plastic Communications Faceplates (27 15 43) Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0002	EA		One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	10.31	3.24
27 15 43 00-0003	EA		Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	10.31	3.24
27 15 43 00-0004	EA		Three Port, Single Gang, Plastic Communication Faceplate With Station ID.....	10.31	3.24
27 15 43 00-0005	EA		Four Port, Single Gang, Plastic Communication Faceplate With Station ID.....	10.31	3.24
27 15 43 00-0006	EA		Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	10.31	3.24
27 15 43 00-0007	EA		Four Port, Double Gang, Plastic Communications Faceplate With Station ID.....	17.79	3.24
27 15 43 00-0008	EA		Six Port, Double Gang, Plastic Communication Faceplate With Station ID.....	17.79	3.24
27 15 43 00-0009	EA		Eight Port, Double Gang, Plastic Communication Faceplate With Station ID.....	17.79	3.24
27 15 43 00-0010	EA		Nine Port, Double Gang, Plastic Communication Faceplate With Station ID.....	17.79	3.24
27 15 43 00-0011	EA		Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	17.79	3.24
27 15 43 00-0012			Stainless Steel Communications Faceplates (27 15 43) Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0013			Stainless Steel Communications Faceplates (27 15 43 00-0012)		
27 15 43 00-0014	EA		One Port, Single Gang, Stainless Steel Communications Faceplate.....	19.57	3.24
27 15 43 00-0015	EA		Two Port, Single Gang, Stainless Steel Communications Faceplate.....	19.57	3.24
27 15 43 00-0016	EA		Three Port, Single Gang, Stainless Steel Communications Faceplate.....	19.57	3.24
27 15 43 00-0017	EA		Four Port, Single Gang, Stainless Steel Communications Faceplate.....	20.92	3.24
27 15 43 00-0018	EA		Six Port, Single Gang, Stainless Steel Communications Faceplate.....	20.92	3.24
27 15 43 00-0019	EA		Four Port, Double Gang, Stainless Steel Communications Faceplate.....	28.23	3.24
27 15 43 00-0020	EA		Six Port, Double Gang, Stainless Steel Communications Faceplate.....	29.08	3.24
27 15 43 00-0021	EA		Eight Port, Double Gang, Stainless Steel Communications Faceplate.....	33.66	3.24
27 15 43 00-0022	EA		Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	33.66	3.24
27 15 43 00-0023	EA		Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	33.66	3.24
27 15 43 00-0024			Stainless Steel Communications Faceplates With Station ID (27 15 43 00-0012)		
27 15 43 00-0025	EA		One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	28.06	3.24
27 15 43 00-0026	EA		Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	28.06	3.24
27 15 43 00-0027	EA		Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	28.06	3.24
27 15 43 00-0028	EA		Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	28.06	3.24
27 15 43 00-0029	EA		Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	28.06	3.24
27 15 43 00-0030	EA		Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	60.49	3.24
27 15 43 00-0031	EA		Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	60.49	3.24
27 15 43 00-0032	EA		Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	60.49	3.24
27 15 43 00-0033	EA		Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID.....	60.49	3.24
27 15 43 00-0034	EA		Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	60.49	3.24
27 15 43 00-0035			Snap-In Modular Jacks (27 15 43) Note: Includes termination.		
27 15 43 00-0036	EA		Cat 3, Snap-In Modular Jack.....	35.65	12.99
27 15 43 00-0037	EA		Category 5E, Snap-In Modular Jack.....	37.52	12.99
27 15 43 00-0038	EA		Category 5E Shielded, Snap-In Modular Jack.....	43.12	12.99
27 15 43 00-0039	EA		Cat 6, Snap-In Modular Jack.....	43.12	12.99
27 15 43 00-0040	EA		Cat 6 Shielded, Snap-In Modular Jack.....	49.40	12.99
27 15 43 00-0041	EA		Cat 6A, Snap-In Modular Jack.....	50.36	12.99
27 15 43 00-0042	EA		Voice, RJ-11, Snap-In Modular Jack.....	25.95	6.49
27 15 43 00-0043	EA		SC Type Fiber Optic, Snap-In Modular Jack.....	39.90	12.99
27 15 43 00-0044	EA		ST Type Fiber Optic, Snap-In Modular Jack.....	44.65	12.99
27 15 43 00-0045	EA		LC Type Fiber Optic, Snap-In Modular Jack.....	53.99	12.99
27 15 43 00-0046	EA		Blank Fill In, Snap-In Modular Jack.....	7.37	3.24
27 15 43 00-0047	EA		Open Cable Pass Through Insert, Snap-In Modular Jack.....	8.77	3.24
27 15 43 00-0048	EA		Coaxial F-Type Coupler, Snap-In Modular Jack..... Note: Includes female to female connection.	29.84 1.81	9.73
27 15 43 00-0049	EA		RCA Jack Pass-Through Coupler, Snap-In Modular Jack..... Note: Includes female to female connection.	30.18	9.73
27 15 43 00-0050	EA		RCA Solder Coupler, Snap-In Modular Jack.....	59.93	12.99
27 15 43 00-0051	EA		RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	73.69	12.99
27 15 43 00-0052	EA		3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	37.01	12.99
27 15 43 00-0053	EA		MT-RJ Pass-Through Coupler, Snap-In Modular Jack.....	39.28	6.49
27 15 43 00-0054	EA		BNC Connector, Snap-In Modular Jack.....	42.61	12.99

27 Communications**27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
27 15 43 00-0055	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	47.71		12.99
27 15 43 00-0056	PR	Speaker Connectors, Snap-In Modular Jack	66.51		19.48
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.					
27 15 43 00-0057	EA	USB Audio Video Connector, Snap-In Modular Jack	71.14		12.99
27 15 43 00-0058		Surface Mount Plastic Communication Boxes (27 15 43)			
Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.					
27 15 43 00-0059	EA	One Port, Surface Mount Plastic Communication Box With Station ID	37.31		16.23
27 15 43 00-0060	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	38.16		16.23
27 15 43 00-0061	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	44.02		16.23
27 15 43 00-0062	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	50.98		16.23
27 15 43 00-0063	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	58.28		16.23
27 15 43 00-0064		Wall Mounted Telephone Faceplates (27 15 43)			
Note: Includes standard telephone mounting studs.					
27 15 43 00-0065		Plastic Faceplates For Wall Mounted Telephones (27 15 43 00-0064)			
27 15 43 00-0066	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	43.04		16.20
27 15 43 00-0067		Stainless Steel Faceplates For Wall Mounted Telephones (27 15 43 00-0064)			
27 15 43 00-0068	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	36.74		6.48
Note: Requires one snap-in modular jack.					
27 15 43 00-0069	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	64.53		16.20
27 15 43 00-0070	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	75.18		19.45
27 15 43 00-0071	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	35.36		6.48
Note: Requires one snap-in modular jack.					
27 15 43 00-0072	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	58.66		16.20
27 15 43 00-0073	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	69.47		19.45
27 15 53		Communications Cable Innerduct (27 15)			
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.					
27 15 53 00-0001		Indoor Innerduct (27 15 53)			
27 15 53 00-0002		Indoor Innerduct, Installed In Conduit (27 15 53 00-0001)			
27 15 53 00-0003		Riser Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)			
27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	5,123.66		1,944.85
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	6,630.26		2,593.13
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	8,819.48		3,241.42
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	10,299.83		3,889.70
27 15 53 00-0008		Plenum Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)			
27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,587.18		1,296.57
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,498.00		1,944.85
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	10,735.83		2,593.13
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	13,797.29		3,241.42
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	16,603.81		3,889.70
27 15 53 00-0014		Indoor Innerduct, Installed Exposed (27 15 53 00-0001)			
27 15 53 00-0015		Riser Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)			
27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	6,420.22		2,593.13
For Work In Restricted Working Space, Add			1,555.88		
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	7,926.83		3,241.42
For Work In Restricted Working Space, Add			1,944.85		
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	10,116.05		3,889.70
For Work In Restricted Working Space, Add			2,333.82		
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	11,596.38		4,537.98
For Work In Restricted Working Space, Add			2,722.79		
27 15 53 00-0020		Plenum Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)			
27 15 53 00-0021	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	8,883.75		1,944.85
27 15 53 00-0022	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	9,794.56		2,593.13
For Work In Restricted Working Space, Add			1,555.88		
27 15 53 00-0023	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	12,032.40		3,241.42
For Work In Restricted Working Space, Add			1,944.85		
27 15 53 00-0024	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	15,093.86		3,889.70
For Work In Restricted Working Space, Add			2,333.82		
27 15 53 00-0025	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	17,900.36		4,537.98
For Work In Restricted Working Space, Add			2,722.79		
27 15 53 00-0026		Outdoor Innerduct (27 15 53)			
27 15 53 00-0027		Outdoor Innerduct, Installed In Conduit (27 15 53 00-0026)			
27 15 53 00-0028	MLF	1" Outdoor Innerduct, Installed In Conduit	4,808.61		1,944.85
27 15 53 00-0029	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	6,165.67		2,593.13
27 15 53 00-0030	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	7,880.09		3,241.42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 53 00-0031	MLF		2" Outdoor Innerduct, Installed In Conduit.....	9,410.85	3,889.70
27 15 53 00-0032			Outdoor Innerduct, Buried In Trench (27 15 53 00-0026)		
27 15 53 00-0033	MLF		1" Outdoor Innerduct, Buried In Trench.....	3,512.04	
27 15 53 00-0034	MLF		1-1/4" Outdoor Innerduct, Buried In Trench.....	4,869.11	
27 15 53 00-0035	MLF		1-1/2" Outdoor Innerduct, Buried In Trench.....	6,583.52	
27 15 53 00-0036	MLF		2" Outdoor Innerduct, Buried In Trench.....	8,114.28	

27 16 Communications Connecting Cords, Devices, and Adapters (27 10)

27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)

27 16 16 00-0001			Fiber Optic Receivers (27 16 16)		
27 16 16 00-0002	EA		Fiber Optic Receiver, Range 6.2 Miles.....	990.49	64.82
27 16 16 00-0003			Fiber Optic Transmitters (27 16 16)		
27 16 16 00-0004	EA		Fiber Optic Transmitter, Range 6.2 Miles.....	990.48	64.82
27 16 16 00-0005			Fiber Optic Repeaters (27 16 16)		
			Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006	EA		Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power.....	1,120.14	129.66
27 16 16 00-0007	EA		Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power.....	1,760.12	259.32
27 16 16 00-0008			Fiber Optic Transceivers (27 16 16)		
27 16 16 00-0009	EA		Fiber Optic Transceivers, 3,000 Miles Range.....	1,176.19	259.32
27 16 16 00-0010	EA		Fiber Optic Transceivers, Digital 2,000 Miles Range.....	1,176.19	259.32
27 16 16 00-0011	EA		Fiber Optic Ethernet Transceiver.....	1,544.22	388.97
27 16 16 00-0012	EA		Transceiver (Low Cost Bi- Directional).....	558.80	97.24

27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire (27 16)

27 16 19 00-0001			Cross Connect Wire (27 16 19)		
			Note: Up to 20' length.		
27 16 19 00-0002	EA		2-Pair Cross Connect Wire.....	20.68	
27 16 19 00-0003	EA		3-Pair Cross Connect Wire.....	27.68	
27 16 19 00-0004	EA		4-Pair Cross Connect Wire.....	34.63	
27 16 19 00-0005			Fiber Optic Patch Cords (27 16 19)		
27 16 19 00-0006			Simplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0007			Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0006)		
27 16 19 00-0008	EA		ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	58.00	
			For Each Additional Meter In Length, Add.....	0.26	
27 16 19 00-0009	EA		ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	47.12	
			For Each Additional Meter In Length, Add.....	0.26	
27 16 19 00-0010	EA		ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	61.26	
			For Each Additional Meter In Length, Add.....	0.26	
27 16 19 00-0011	EA		SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	49.61	
			For Each Additional Meter In Length, Add.....	0.26	
27 16 19 00-0012	EA		SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	57.55	
			For Each Additional Meter In Length, Add.....	0.26	
27 16 19 00-0013	EA		LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	56.67	
			For Each Additional Meter In Length, Add.....	0.26	
27 16 19 00-0014			Duplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0015			Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)		
27 16 19 00-0016	EA		ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	101.72	
			For Each Additional Meter In Length, Add.....	0.51	
27 16 19 00-0017	EA		ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	98.66	
			For Each Additional Meter In Length, Add.....	0.51	
27 16 19 00-0018	EA		ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	109.55	
			For Each Additional Meter In Length, Add.....	0.51	
27 16 19 00-0019	EA		SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	84.97	
			For Each Additional Meter In Length, Add.....	0.51	
27 16 19 00-0020	EA		SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	100.82	
			For Each Additional Meter In Length, Add.....	0.51	
27 16 19 00-0021	EA		LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	99.08	
			For Each Additional Meter In Length, Add.....	0.51	
27 16 19 00-0022			Multimode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)		
27 16 19 00-0023	EA		ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	76.58	
			For Each Additional Meter In Length, Add.....	1.48	
27 16 19 00-0024	EA		ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	83.69	
			For Each Additional Meter In Length, Add.....	1.48	
27 16 19 00-0025	EA		ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	84.42	
			For Each Additional Meter In Length, Add.....	1.48	

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, and Adapters**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 16 19 00-0026	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	86.70	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0027	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	76.88	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0028	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	87.10	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0029	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	102.52	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0030	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	70.33	
		<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0031	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	85.77	
		<i>For Each Additional Meter In Length, Add</i>	1.48	

27 16 19 00-0032 Fiber Optic Cable Pig Tail (27 16 19)

27 16 19 00-0033	EA	Simplex Fiber Optic Cable Pig Tail.....	89.75	45.38
27 16 19 00-0034	EA	Duplex Fiber Optic Cable Pig Tail.....	115.55	45.38

27 16 19 00-0035 Ethernet Patch Cords (27 16 19)

27 16 19 00-0036	EA	3' Category 5E Patch Cables With Boots.....	16.23	
27 16 19 00-0037	EA	5' Category 5E Patch Cables With Boots.....	17.67	
27 16 19 00-0038	EA	7' Category 5E Patch Cables With Boots.....	19.13	
27 16 19 00-0039	EA	10' Category 5E Patch Cables With Boots.....	27.86	
27 16 19 00-0040	EA	15' Category 5E Patch Cables With Boots.....	35.04	
27 16 19 00-0041	EA	25' Category 5E Patch Cables With Boots.....	46.04	
27 16 19 00-0042	EA	3' Category 6 Patch Cables With Boots.....	17.95	
27 16 19 00-0043	EA	5' Category 6 Patch Cables With Boots.....	21.61	
27 16 19 00-0044	EA	7' Category 6 Patch Cables With Boots.....	21.69	
27 16 19 00-0045	EA	10' Category 6 Patch Cables With Boots.....	26.11	
27 16 19 00-0046	EA	15' Category 6 Patch Cables With Boots.....	34.49	
27 16 19 00-0047	EA	25' Category 6 Patch Cables With Boots.....	43.07	
27 16 19 00-0048	EA	50' Category 6 Patch Cables With Boots.....	67.18	
27 16 19 00-0049	EA	100' Category 6 Patch Cables With Boots.....	116.97	
27 16 19 00-0050	EA	3' Category 6A Patch Cables With Boots.....	20.86	
27 16 19 00-0051	EA	5' Category 6A Patch Cables With Boots.....	22.05	
27 16 19 00-0052	EA	7' Category 6A Patch Cables With Boots.....	22.94	
27 16 19 00-0053	EA	10' Category 6A Patch Cables With Boots.....	27.51	
27 16 19 00-0054	EA	15' Category 6A Patch Cables With Boots.....	34.02	
27 16 19 00-0055	EA	25' Category 6A Patch Cables With Boots.....	41.67	
27 16 19 00-0056	EA	50' Category 6A Patch Cables With Boots.....	58.85	
27 16 19 00-0057	EA	100' Category 6A Patch Cables With Boots.....	102.31	
27 16 19 00-0058	EA	3' Category 5E Patch Cables With Plastic Arch.....	16.23	
27 16 19 00-0059	EA	5' Category 5E Patch Cables With Plastic Arch.....	17.67	
27 16 19 00-0060	EA	7' Category 5E Patch Cables With Plastic Arch.....	19.13	
27 16 19 00-0061	EA	10' Category 5E Patch Cables With Plastic Arch.....	27.86	
27 16 19 00-0062	EA	15' Category 5E Patch Cables With Plastic Arch.....	35.04	
27 16 19 00-0063	EA	25' Category 5E Patch Cables With Plastic Arch.....	46.04	
27 16 19 00-0064	EA	3' Category 6 Patch Cables With Plastic Arch.....	17.95	
27 16 19 00-0065	EA	5' Category 6 Patch Cables With Plastic Arch.....	21.61	
27 16 19 00-0066	EA	7' Category 6 Patch Cables With Plastic Arch.....	21.69	
27 16 19 00-0067	EA	10' Category 6 Patch Cables With Plastic Arch.....	26.11	
27 16 19 00-0068	EA	15' Category 6 Patch Cables With Plastic Arch.....	34.49	
27 16 19 00-0069	EA	25' Category 6 Patch Cables With Plastic Arch.....	43.07	
27 16 19 00-0070	EA	3' Category 6A Patch Cables With Plastic Arch.....	32.86	
27 16 19 00-0071	EA	5' Category 6A Patch Cables With Plastic Arch.....	35.04	
27 16 19 00-0072	EA	7' Category 6A Patch Cables With Plastic Arch.....	36.67	
27 16 19 00-0073	EA	10' Category 6A Patch Cables With Plastic Arch.....	42.35	
27 16 19 00-0074	EA	15' Category 6A Patch Cables With Plastic Arch.....	51.57	
27 16 19 00-0075	EA	25' Category 6A Patch Cables With Plastic Arch.....	65.61	

27 20 Data Communications (27)**27 21 Data Communications Network Equipment** (27 20)

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems

(27 21)

27 21 16 00-0001 Fiber Optic Modems (27 21 16)

27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles.....	1,953.33	259.32
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel.....	3,746.71	259.32

27 21 16 00-0004 Ethernet Hubs and Switches (27 21 16)

27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management.....	4,247.30	194.78
27 21 16 00-0006	EA	16 Port Unmanaged Hub.....	653.36	129.86
27 21 16 00-0007	EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E).....	5,849.64	129.86
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC).....	1,732.13	64.92

27 21 16 00-0009 Network Equipment (27 21 16)**27 21 16 00-0010 Communications Entrance Protection** (27 21 16 00-0009)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0011	EA	100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	1,210.65	97.39
		Note: Excludes terminations.		
27 21 16 00-0012	EA	Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	14.60	1.29
27 21 16 00-0013		Communications Cabinets, Racks, Frames And Enclosures (27 21 16 00-0009)		
27 21 16 00-0014	EA	19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	1,470.77	97.39
		For Fan Kit (Chatsworth 12804-701), Add	204.97	
27 21 16 00-0015	EA	10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	1,345.06	6.49
27 21 16 00-0016		Communications Termination Blocks And Patch Panels (27 21 16 00-0009)		
27 21 16 00-0017		Communications Termination Blocks (27 21 16 00-0016)		
27 21 16 00-0018	EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810)	378.00	19.45
27 21 16 00-0019	EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802)	351.74	19.45
27 21 16 00-0020	EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869)	843.96	19.45
27 21 16 00-0021	EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851)	784.90	19.45
27 21 16 00-0022	EA	110 Connector System Mounting Brackets (CommScope 107535593).....	118.09	19.45
27 21 16 00-0023	EA	110 Connector System Mounting Brackets (CommScope 107535585).....	127.63	19.45
27 21 16 00-0024	EA	110 Connector System Mounting Brackets (CommScope 107098816).....	145.49	19.45
27 21 16 00-0025		Communications Copper Patch Panels (27 21 16 00-0016)		
		Note: Excludes cabinet and terminations.		
27 21 16 00-0026	EA	24 Port, Category 5E Patch Panel (CommScope 108208919).....	372.74	42.20
27 21 16 00-0027	EA	48 Port, Category 5E Patch Panel (CommScope 108208935).....	680.55	51.95
27 21 16 00-0028	EA	24 Port, Category 6 Patch Panel (CommScope 760062372)	552.62	42.20
27 21 16 00-0029	EA	48 Port, Category 6 Patch Panel (CommScope 760062380)	1,032.83	51.95
27 21 16 00-0030		Communications Optical Fiber Patch Panels (27 21 16 00-0016)		
27 21 16 00-0031		Closet Connector Housings (27 21 16 00-0030)		
27 21 16 00-0032	EA	48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U).....	454.76	25.97
		Note: Accepts up to 2 closet connector housing panels. Excludes panels.		
27 21 16 00-0033	EA	96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U).....	530.94	25.97
		Note: Accepts up to 4 closet connector housing panels. Excludes panels.		
27 21 16 00-0034	EA	288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U).....	662.30	25.97
		Note: Accepts up to 12 closet connector housing panels. Excludes panels.		
27 21 16 00-0035	EA	SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	100.05	12.99
27 21 16 00-0036	EA	SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59).....	133.19	12.99
27 21 16 00-0037	EA	SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56).....	111.75	12.99
27 21 16 00-0038	EA	SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	143.90	12.99
27 21 16 00-0039		Communications Cable Management (27 21 16 00-0009)		
27 21 16 00-0040		Horizontal Communication Cable Management (27 21 16 00-0039)		
27 21 16 00-0041	EA	1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	166.44	25.97
27 21 16 00-0042	EA	3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	172.37	25.97
27 21 16 00-0043		Vertical Communication Cable Management (27 21 16 00-0039)		
27 21 16 00-0044	EA	6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703).....	1,030.44	64.92
27 21 16 00-0045	EA	19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	1,068.81	64.92
27 21 16 00-0046	EA	23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	1,155.22	64.92
27 21 16 00-0047		Communications Patch Cords, Station Cords, And Cross Connect Wire (27 21 16 00-0009)		
27 21 16 00-0048		Premise Cross-Connect Wire (27 21 16 00-0047)		
27 21 16 00-0049	LF	1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973).....	1.32	0.65
27 21 16 00-0050		Pathways For Communications Systems (27 21 16 00-0009)		
27 21 16 00-0051		Conduits And Back Boxes For Communication Systems (27 21 16 00-0050)		
27 21 16 00-0052		Flexible Conduit For Communication Systems (27 21 16 00-0051)		
27 21 16 00-0053	CLF	1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon DF4X1C).....	578.93	233.38
27 21 16 00-0054	CLF	1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon CF4X1C).....	889.24	233.38
27 21 16 00-0055		Tube Cables For Communication Systems (27 21 16 00-0051)		
27 21 16 00-0056		Outdoor/All-Dielectric Tube Cables (27 21 16 00-0055)		
27 21 16 00-0057	CLF	Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX).....	400.52	155.59
27 21 16 00-0058	CLF	Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX).....	580.75	194.48
27 21 16 00-0059	CLF	Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	925.27	233.38
27 21 16 00-0060		Indoor/Riser Rated Tube Cables (27 21 16 00-0055)		
27 21 16 00-0061	CLF	Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX).....	449.40	155.59
27 21 16 00-0062	CLF	Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX).....	542.90	175.03

27 Communications
27 20 Data Communications
27 21 Data Communications Network Equipment

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
27 21 16 00-0063	CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	614.69		194.48
27 21 16 00-0064	CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	1,078.70		233.38
27 21 16 00-0065		Indoor/Plenum Rated Tube Cables (27 21 16 00-0055)			
27 21 16 00-0066	CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	347.57		155.59
27 21 16 00-0067	CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2).....	472.48		155.59
27 21 16 00-0068	CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	700.40		175.03
27 21 16 00-0069	CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	993.50		194.48
27 21 16 00-0070	CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,932.00		233.38
27 21 16 00-0071		Unjacketed Single Tube Cables (27 21 16 00-0055)			
27 21 16 00-0072	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX).....	309.56		155.59
27 21 16 00-0073		Multimode Fiber Bundles (27 21 16 00-0055) Note: Includes optical fiber cables.			
27 21 16 00-0074	CLF	2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6).....	123.95		46.68
27 21 16 00-0075	CLF	4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6).....	176.90		46.68
27 21 16 00-0076	CLF	6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6).....	233.93		46.68
27 21 16 00-0077	CLF	12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6).....	407.72		46.68
27 21 16 00-0078	CLF	18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6).....	584.97		54.45
27 21 16 00-0079	CLF	24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6).....	758.76		54.45
27 21 16 00-0080		Singlemode Fiber Bundles (27 21 16 00-0055) Note: Includes optical fiber cables.			
27 21 16 00-0081	CLF	2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	113.09		46.68
27 21 16 00-0082	CLF	4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX).....	136.17		46.68
27 21 16 00-0083	CLF	6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX).....	155.18		46.68
27 21 16 00-0084	CLF	12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX).....	191.84		46.68
27 21 16 00-0085	CLF	18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX).....	286.27		54.45
27 21 16 00-0086	CLF	24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX).....	369.09		54.45
27 21 16 00-0087		Tube Distribution Cabinets (27 21 16 00-0055)			
27 21 16 00-0088	EA	Modular Tube Distribution Cabinet (Sumitomo DE06MDU)..... Note: Up to six 7-tube cables or two 19-tube cables.	235.45		64.92
27 21 16 00-0089		Modular Fiber Termination Cabinets (27 21 16 00-0055)			
27 21 16 00-0090	EA	24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	288.69		64.92
27 21 16 00-0091	EA	48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	305.52		64.92
27 21 16 00-0092		Tube Distribution Accessories (27 21 16 00-0055)			
27 21 16 00-0093	EA	Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	14.88		6.49
27 21 16 00-0094	EA	Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2).....	16.06		6.49
27 21 16 00-0095	EA	Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	19.10		6.49
27 21 16 00-0096		Communications Optical Fiber Cabling (27 21 16 00-0009)			
27 21 16 00-0097		Communications Optical Fiber Cable Splicing And Terminations (27 21 16 00-0096)			
27 21 16 00-0098		Field Installed Fiber Connectors (27 21 16 00-0097)			
27 21 16 00-0099	EA	SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	38.60		9.73
27 21 16 00-0100	EA	SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41).....	34.70		9.73
27 21 16 00-0101		Buffer Tube Fan-Out Kits (27 21 16 00-0097)			
27 21 16 00-0102		Buffer Tube Breakout Kits (Sumitomo) (27 21 16 00-0101) Note: Includes 900 micron tubing.			
27 21 16 00-0103	EA	2-Fiber Breakout Kit (Sumitomo FTFLD02)	275.61		129.66
27 21 16 00-0104	EA	4-Fiber Breakout Kit (Sumitomo FTFLD04)	279.69		129.66
27 21 16 00-0105	EA	6-Fiber Breakout Kit (Sumitomo FTFLD06)	283.28		129.66
27 21 16 00-0106	EA	12-Fiber Breakout Kit (Sumitomo FTFLD12)	294.46		129.66
27 21 16 00-0107	EA	18-Fiber Breakout Kit (Sumitomo FTFLD18)	309.75		129.66
27 21 16 00-0108	EA	24-Fiber Breakout Kit (Sumitomo FTFLD24)	321.10		129.66
27 21 16 00-0109		Buffer Tube Fan-Out Kits (Corning) (27 21 16 00-0101)			
27 21 16 00-0110	EA	12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	277.50		129.66
27 21 16 00-0111	EA	12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12).....	317.84		129.66
27 21 16 00-0112		Communications Copper Cabling (27 21 16 00-0009)			
27 21 16 00-0113		Copper Communications Cable Splicing And Terminations (27 21 16 00-0112)			
27 21 16 00-0114		Copper Communications Cable Splice Cases (27 21 16 00-0113)			
27 21 16 00-0115	EA	6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626).....	1,275.68		259.32
27 21 16 00-0116	EA	9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630).....	1,492.05		259.32

				Communications	27	
				Data Communications	27 20	27
				Data Communications Network Equipment	27 21	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
27 21 16 00-0117	EA		12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219).....	2,211.04	259.32	
27 21 16 00-0118			Modular Splice Connectors (27 21 16 00-0113)			
27 21 16 00-0119	EA		25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25).....	140.16	64.82	
27 21 16 00-0120	EA		25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25).....	137.82	64.82	
27 21 16 00-0121	EA		25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25).....	140.21	64.82	
27 21 16 00-0122	EA		25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25).....	139.88	64.82	
27 21 26			Data Communications Network Management (27 21)			
27 21 26 00-0001			Data Communications Network Management (27 21 26)			
27 21 26 00-0002	EA		3 Port, Terminal/Serial Device Server (Comtrol 99560-9).....	715.51	32.42	
27 21 26 00-0003	EA		2 Port, Terminal/Serial Device Server (Comtrol 99550-0).....	549.75	32.42	
27 21 26 00-0004	EA		4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9).....	768.74	32.42	
27 21 26 00-0005	EA		4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0).....	1,207.87	32.42	
27 21 26 00-0006	EA		24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020).....	111.84		
27 21 26 00-0007	EA		Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2).....	533.10	19.45	
27 21 26 00-0008	EA		Sennetech Code Translator (Pelco SCT_100_AD232).....	887.91	32.42	
27 21 26 00-0009	EA		VPN Router (Cisco 819HG).....	5,284.19	415.53	
27 21 26 00-0010	EA		Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC).....	3,780.83	415.53	
27 21 26 00-0011	EA		WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+).....	19,723.50	155.59	
27 21 26 00-0012	EA		SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis, 2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV).....	619.48		
27 21 26 00-0013	EA		Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8).....	13,426.12	155.59	
27 21 26 00-0014	EA		Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2).....	29,151.66	155.59	
27 21 26 00-0015	EA		Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E).....	686.91	12.99	
27 21 26 00-0016	EA		Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV).....	5,037.72	16.20	
27 21 26 00-0017	EA		Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2).....	4,368.74	16.20	
27 21 26 00-0018	EA		13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US).....	78.20	6.49	
27 21 26 00-0019	EA		1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD-).....	251.92	64.82	
27 21 26 00-0020	EA		Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850-24TS).....	3,846.50	155.59	
27 21 26 00-0021	EA		SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS).....	815.08		
27 21 26 00-0022	EA		North America AC Type A Power Cable (Cisco CAB-TA-NA).....	26.13	6.49	
27 21 26 00-0023	EA		350 Watt AC Power Supply (Cisco PWR-C1-350WAC).....	340.53	16.20	
27 21 26 00-0024	EA		Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G).....	847.57	16.23	
27 21 26 00-0025	EA		1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM).....	124.23	6.49	
27 21 26 00-0026	EA		Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC).....	4,550.33	155.59	
27 21 26 00-0027	EA		SMARTnet Extended Service Agreement, 8X5XNBD 1A Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8).....	818.34		
27 21 26 00-0028	EA		IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA).....	725.26	16.20	
27 21 26 00-0029	EA		IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IA).....	736.67	16.20	
27 21 26 00-0030	EA		4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC).....	1,571.32	155.59	
27 21 26 00-0031	EA		Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC).....	399.27	16.23	
27 21 26 00-0032	EA		4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM).....	1,874.60	16.23	
27 21 26 00-0033	EA		Router (CISCO IR829).....	1,678.55	64.92	
27 21 29			Data Communications Switches and Hubs (27 21)			
27 21 29 00-0001			Data Communications Multimedia Modular Patch Panels (27 21 29)			
Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0035 for modular jacks.						
27 21 29 00-0002	EA		12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	125.22	6.48	
27 21 29 00-0003	EA		16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	138.25	6.48	
27 21 29 00-0004	EA		24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	163.45	6.48	
27 21 29 00-0005	EA		36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	171.19	6.48	
27 21 29 00-0006	EA		48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	187.17	8.11	
27 21 29 00-0007	EA		24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	177.61	6.48	
27 21 29 00-0008	EA		48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	222.89	8.11	
27 21 29 00-0009	EA		Rack Mount Rear Cable Management Bar.....	69.51	8.11	
27 21 33			Data Communications Wireless Access Points (27 21)			
27 21 33 00-0001			Data Communications Wireless Access Points (27 21 33)			
27 21 33 00-0002	EA		Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU).....	5,151.36	194.48	
27 21 33 00-0003	EA		Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1).....	12,369.23	194.48	
27 21 33 00-0004	EA		Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9).....	12,369.23	194.48	
27 21 33 00-0005	EA		Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA).....	2,018.77	194.48	
27 21 33 00-0006	EA		Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR).....	2,365.85	216.44	
27 21 33 00-0007	EA		Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G).....	6,618.32	216.44	
27 21 33 00-0008	EA		Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G).....	10,055.43	216.44	
27 21 33 00-0009	EA		Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G).....	10,055.43	216.44	
27 21 33 00-0010	EA		50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50).....	2,062.83	72.15	
27 21 33 00-0011	EA		100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100).....	2,091.69	72.15	
27 21 33 00-0012	EA		Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G).....	194.86	36.07	
27 21 33 00-0013	EA		FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM).....	1,793.22		

27 Communications
27 20 Data Communications
27 21 Data Communications Network Equipment

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	641.54	64.82
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	531.91	64.82
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075).....	94.58	25.93
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	83.06	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380).....	48.52	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	341.48	64.82
27 21 33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	343.61	64.82
27 21 33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D).....	468.61	64.92
27 21 33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	1,183.02	97.39
27 21 33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	1,512.98	97.39
27 21 33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125).....	85.12	19.45
27 21 33 00-0025	EA	Yagi Antenna, 890-960 MHZ, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K).....	321.11	72.15
27 21 33 00-0026	EA	Andrew® Omni Antenna, 890-960 MHZ, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y).....	1,052.06	72.15
27 21 33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	5,175.33	64.92
27 21 33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,628.87	64.82

27 30 Voice Communications ⁽²⁷⁾

27 32 Voice Communications Terminal Equipment ^(27 30)

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets ^(27 32)

27 32 13 00-0001 Interior Telephone Components ^(27 32 13)

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply.....	7,983.25	1,184.80
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet.....	958.42	96.85
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable.....	486.21	103.85
27 32 13 00-0005	EA	Loud Ring Bell, 6".....	381.38	96.34
27 32 13 00-0006	EA	Audio/Visual Indicator.....	486.23	90.76
27 32 13 00-0007	EA	Administrative Telephone With Digital Display.....	506.58	81.43
27 32 13 00-0008	EA	Processing Unit For 16 Station System.....	2,507.88	664.23
27 32 13 00-0009	EA	Handset For 16 Station System.....	357.10	66.13
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System.....	483.73	89.20
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22.....	3,224.74	1,429.72
27 32 13 00-0012	EA	Power Supply For 16 Station System.....	448.21	176.46
27 32 13 00-0013	EA	Intercom Terminal Board.....	395.70	198.63
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC.....	465.98	176.46
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	227.38	72.50
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep.....	711.85	159.57
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep.....	840.76	181.36
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep.....	1,019.74	214.65
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep.....	1,203.75	232.06
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep.....	1,878.30	264.05
27 32 13 00-0021	EA	Ring Rung 3".....	14.00	7.23
27 32 13 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID.....	35.06	12.84
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	63.63	26.32

27 32 13 00-0024 Interior Telephone Accessories ^(27 32 13)

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete.....	14.43	7.00
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete.....	30.93	26.97
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete.....	75.46	29.61
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete.....	71.85	29.61
27 32 13 00-0029	EA	Terminating Strips, Inside.....	145.51	59.23
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	65.10	30.47
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair.....	175.81	71.44
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair.....	204.64	79.86
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair.....	65.70	23.99
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete.....	63.93	30.08
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair.....	721.90	173.22
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair.....	848.09	175.94
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair.....	288.25	72.09
27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair.....	296.90	72.09
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair.....	391.30	92.19
27 32 13 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair.....	805.41	166.09
27 32 13 00-0041	EA	Entrance Protector Terminal 100 Pair.....	1,103.90	189.56
27 32 13 00-0042	EA	Gas Protection Module.....	18.03	6.48
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair.....	29.88	5.92

27 32 26 Ring-Down Emergency Telephones ^(27 32)

27 32 26 00-0001 Emergency Telephone ^(27 32 26)

Note: Includes CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent, flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	11,910.59	531.89
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Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 32 26 00-0003	EA		Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d)..... Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	12,528.02	531.89
27 32 26 00-0004	EA		Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2)	205.81	
27 32 26 00-0005	EA		Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K).....	308.71	
27 32 26 00-0006	EA		IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1)	771.78	
27 32 26 00-0007	EA		IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2).....	1,049.63	
27 32 26 00-0008	EA		IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K).....	1,152.53	
27 32 26 00-0009	EA		EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	20.58	
27 32 26 00-0010	EA		EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	20.58	
27 32 26 00-0011	EA		Directory, Second Opening Code Blue Option	185.23	
27 32 26 00-0012	EA		Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	1,955.19	
27 32 26 00-0013	EA		HID Card Reader, Second Opening Code Blue Option	905.56	
27 32 26 00-0014	EA		HID Card Reader And Color IP Camera, Second Opening Code Blue Option	2,932.78	
27 32 26 00-0015	EA		IP Wireless Communication Code Blue Option..... Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	6,163.98	
27 32 26 00-0016	EA		Active Venting Code Blue Option.....	329.29	
27 32 26 00-0017	EA		Night Charge Power Code Blue Option	2,871.04	
			Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018	EA		Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	720.33	
27 32 26 00-0019	EA		Overhead Camera Mount Code Blue Option	1,636.18	
			Note: Excludes camera.		
27 32 26 00-0020	EA		Custom Color For Overhead Camera Mount Code Blue Option	72.03	
27 32 26 00-0021			City Police Call System (27 32 26)		
27 32 26 00-0022			Components (27 32 26 00-0021)		
27 32 26 00-0023	EA		City Police Call System.....	928.52	151.18
27 32 26 00-0024	EA		Concrete Foundation For Police Department Telephone Post	829.19	218.99

27 40 Audio-Video Communications (27)

27 41 Audio-Video Systems (27 40)

27 41 16 Integrated Audio-Video Systems and Equipment (27 41)

Note: Includes testing of new devices and certification.

27 41 16 00-0001			Television Distribution System (27 41 16) See CSI section 26 05 19 16-0323 for basic wiring.		
27 41 16 00-0002			Mounted Television Support (27 41 16 00-0001)		
27 41 16 00-0003	EA		Ceiling Mounted Television Support, 19" To 20".....	513.75	145.44
27 41 16 00-0004	EA		Ceiling Mounted Television Support, 19" To 20" With Rack	664.21	162.32
27 41 16 00-0005	EA		Ceiling Mounted Television Support, 25" To 27".....	536.59	145.44
27 41 16 00-0006	EA		Ceiling Mounted Television Support, 25" To 27" With Rack	687.05	162.32
27 41 16 00-0007	EA		Wall Mounted Television Support, 13".....	407.14	116.87
27 41 16 00-0008	EA		Wall Mounted Television Support, 13" With Rack.....	557.58	129.86
27 41 16 00-0009	EA		Wall Mounted Television Support, 19" To 20".....	437.12	116.87
27 41 16 00-0010	EA		Wall Mounted Television Support, 19" To 20" With Rack	587.56	129.86
27 41 16 00-0011	EA		Wall Mounted Television Support, 25" To 27".....	467.11	116.87
27 41 16 00-0012	EA		Wall Mounted Television Support, 25" To 27" With Rack	617.55	129.86
27 41 16 00-0013			Distribution System (27 41 16 00-0001) See CSI section 26 05 13 16-0001 for wire and cabling.		
27 41 16 00-0014			TV Distribution Rack (27 41 16 00-0013)		
27 41 16 00-0015	EA		Steel Rack Cabinet With Shelves	1,812.55	238.44
27 41 16 00-0016	EA		Switch And Pilot Light.....	279.74	105.93
27 41 16 00-0017	LF		Surface Raceway With Outlets	33.42	14.39
27 41 16 00-0018	EA		Service Label.....	39.56	19.84
27 41 16 00-0019			Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020	EA		Head End Amplifier.....	1,209.29	158.70
27 41 16 00-0021			UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022	EA		UHF In-Line Booster	704.07	158.70
27 41 16 00-0023			Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024	EA		VHF Preamplifier	881.97	158.70
27 41 16 00-0025	EA		UHF Preamplifier	704.07	158.70
27 41 16 00-0026			Power Supplies (27 41 16 00-0013)		

27 Communications
27 40 Audio-Video Communications
27 41 Audio-Video Systems

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 41 16 00-0027	EA	Common Power Supply	1,259.95	226.77
27 41 16 00-0028		Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029	EA	Line Splitter	107.85	52.90
27 41 16 00-0030	EA	Two-Way Splitter	122.01	52.90
27 41 16 00-0031	EA	Frequency Filter	272.05	79.48
27 41 16 00-0032	EA	Line Splitter And Mixer	329.34	116.69
27 41 16 00-0033		Power Line Filters (27 41 16 00-0013)		
27 41 16 00-0034	EA	120-Volt Power Supply Line Filter.....	528.79	105.93
27 41 16 00-0035		Wall Box And Receiver Outlets (27 41 16 00-0013)		
27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug.....	272.05	79.48
27 41 16 00-0037	EA	TV Receiver Outlet Plug	122.01	52.90
27 41 16 00-0038	EA	TV Camera Outlet Plug.....	122.01	52.90
27 41 16 00-0039	EA	Audio Outlet Plug.....	104.27	52.90
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	217.47	105.93
27 41 16 00-0041	EA	Male Plug PL-259	122.01	52.90
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets	143.53	55.49
27 41 33		Master Antenna Television Systems (27 41)		
27 41 33 00-0001		Antenna Systems (27 41 33)		
27 41 33 00-0002		Antenna (27 41 33 00-0001)		
27 41 33 00-0003	EA	Amateur Radio Antenna.....	1,143.79	194.48
27 41 33 00-0004	EA	Multi-Band Radio Antenna.....	888.94	194.48
27 41 33 00-0005		Receptacles (27 41 33 00-0001)		
27 41 33 00-0006	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	254.28	79.48
27 41 33 00-0007	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs	254.28	79.48

27 50 Distributed Communications and Monitoring Systems (27)

27 51 Distributed Audio-Video Communications Systems (27 50)

27 51 17 Video Intercom and Exterior Gate Control System (27 51)

27 51 17 00-0001		Video Intercom And Exterior Gate Control System (27 51 17)		
27 51 17 00-0002	EA	Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW)	1,577.24	162.32
27 51 17 00-0003	EA	Audio Video Master Control Station (Aiphone AX-8MV)	1,269.78	162.32
27 51 17 00-0004	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW).....	538.15	162.32
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-084C)	1,498.92	81.16
27 51 17 00-0006	EA	Central Exchange Unit (Aiphone AX-248C)	2,041.24	81.16
27 51 17 00-0007	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	155.36	32.47
27 51 17 00-0008	EA	Surface Mount Audio/Video Door Station (Aiphone IX-DV)	1,079.07	32.47
27 51 17 00-0009	EA	Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF).....	1,482.65	32.47
27 51 17 00-0010	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	481.98	32.47
27 51 17 00-0011	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	543.19	32.47
27 51 17 00-0012	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL)	147.76	16.23
		Note: UL Listed		
27 51 17 00-0013	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL)	160.59	16.23
		Note: UL Listed		
27 51 17 00-0014	EA	IP Video Master Station (Aiphone IX-MV).....	1,924.17	162.32
27 51 17 00-0015	EA	Handset Only For IX-MV (Aiphone 285999)	65.91	6.49
27 51 17 00-0016	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	821.40	162.32
27 51 17 00-0017	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P).....	772.36	32.47
27 51 17 00-0018	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF).....	235.73	32.47
27 51 17 00-0019	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF).....	262.78	32.47
27 51 17 00-0020	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	322.30	48.69
27 51 17 00-0021	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	72.06	16.23

27 51 43 Sound Reinforcement (27 51)

Note: Includes testing of new devices and certification.

27 51 43 00-0001		Amplifiers (27 51 43)		
27 51 43 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	582.61	129.86
27 51 43 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	824.66	129.86
27 51 43 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	980.03	129.86
27 51 43 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100).....	1,090.88	129.86
27 51 43 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150).....	1,359.49	129.86
27 51 43 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250).....	1,761.17	129.86
27 51 43 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	69.85	6.49
27 51 43 00-0009		Splitters (27 51 43)		
27 51 43 00-0010	EA	24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	3,515.07	97.24

			Communications	27	27
			Distributed Communications and Monitoring Systems	27 50	
			Distributed Audio-Video Communications Systems	27 51	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 51 43 00-0011	EA	1-in/11-out Splitter (Doug Fleenor DMX)	3,170.82	97.24
27 51 43 00-0012		Speakers (27 51 43)		
27 51 43 00-0013	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	227.61	34.75
27 51 43 00-0014	EA	8" Steel Baffle (Atlas Sound 51-8)	72.84	6.48
27 51 43 00-0015	EA	T-Bar Support (Atlas Sound EZ95-8)	81.29	6.48
27 51 43 00-0016	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	126.59	6.48
27 51 43 00-0017	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	117.44	11.66
27 51 43 00-0018	EA	PA Speakers, 30 Watt Cone Wall Type	982.52	87.13
27 51 43 00-0019	EA	PA Speakers, 15 Watt Cone Wall Type	520.91	86.87
27 51 43 00-0020	EA	PA Speakers, 15 Watt Ceiling Type	520.91	86.87
27 51 43 00-0021	EA	PA Speakers, 15 Watt Dual Cone Wall Type	868.07	86.87
27 51 43 00-0022	EA	PA Speakers, Ceiling Speaker, 7-1/2" Diameter With 4" Speaker Area, Vinyl Clad Round Metal Grille	179.20	51.87
27 51 43 00-0023	EA	PA Speakers, 12 Watt Standard Paging Speaker With 360 Degree Swivel Bracket	414.96	51.87
27 51 43 00-0024	EA	PA Speakers, 15 Watt Standard Paging Speaker With Dustproof/Moistureproof Housing, Indoor/Outdoor	596.88	51.87
27 51 43 00-0025	EA	PA Speakers, 30 Watt Standard Paging Box Speaker, High Impact Plastic, 8 Ohm	402.75	51.87
27 51 43 00-0026	EA	PA Speakers, 30 Watt Standard Paging Box Speaker, High Impact Plastic, 25 Volt / 70 Volt / 100 Volt	475.53	51.87
27 51 43 00-0027	EA	PA Speakers, 60 Watt Marine Speaker, High Impact Acrylonitrile Butadiene Styrene (ABS) Plastic	784.66	51.87
27 51 43 00-0028	EA	PA Speakers, 15 Watt Hazardous Location Speaker, Class I, Division 1, Groups A, B, C, D; Class II, Division 2, Groups F And G	603.08	51.87
27 51 43 00-0029	EA	PA Speakers, 30 Watt Hazardous Location Speaker, Class I, Division 1, Groups A, B, C, D; Class II, Division 2, Groups F And G	1,109.26	51.87
27 51 43 00-0030	EA	PA Speakers, 15 Watt Explosionproof Speaker, Class I, Division 1, Groups B, C, D; Class II, Division 1, Groups E, F And G	1,890.70	51.87
27 51 43 00-0031	EA	Warning Horn, 120 Volt AC, 4" x 4", 100 dB, Outdoor Use	382.04	51.87
27 51 43 00-0032	EA	Cast Aluminum Weatherproof Box For Warning Horn, 4-3/8" x 4-3/8", Outdoor Use	168.54	25.93
27 51 43 00-0033		Accessories (27 51 43)		
27 51 43 00-0034	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	339.84	16.23
27 51 43 00-0035	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	763.59	16.23
27 51 43 00-0036	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	193.52	32.47
27 51 43 00-0037	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	358.36	32.47
27 51 43 00-0038	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	261.99	32.42
27 51 43 00-0039	EA	Microphone Jack For Audio/Video System	121.29	32.47
27 51 43 00-0040	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	1,025.21	129.86
27 51 43 00-0041	EA	Volume Control For Audio/Video System (Bogen AT10A)	115.95	32.47
27 51 43 00-0042	EA	Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8)	81.38	32.47
27 51 43 00-0043		Removal And Reinstallation Of Speakers (27 51 43)		
		Note: Includes storage, cleaning and supply materials.		
27 51 43 00-0044	EA	Removal And Reinstallation Of Ceiling Mounted Speaker	181.52	

27 52 Healthcare Communications and Monitoring Systems (27 50)

27 52 23 Nurse Call/Code Blue Systems (27 52)

27 52 23 00-0001 Wireless Equipment Nurses Call Systems (27 52 23)

Note: Includes all mounting hardware, batteries, cable and connections. Teletronic.

27 52 23 00-0002 Wireless Nurses Call System (27 52 23 00-0001)

27 52 23 00-0003	EA	NurseCall Main Unit (Rechargeable Battery Included); NCM2	8,784.63
27 52 23 00-0004	EA	NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	9,743.83
27 52 23 00-0005	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	6,211.55
27 52 23 00-0006	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2	5,024.52
27 52 23 00-0007	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2	4,519.59
27 52 23 00-0008	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	4,014.52
27 52 23 00-0009	EA	Resident Bed Station With Relay; N45	1,047.87
27 52 23 00-0010	EA	Bed Push Button For Use With N45 (9"); RB13-9	507.60
27 52 23 00-0011	EA	Pull Cord Replacement For S35; S35PC	34.67
27 52 23 00-0012	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S	741.00
27 52 23 00-0013	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	741.00
27 52 23 00-0014	EA	Remote Reset Button; S35R	719.30
27 52 23 00-0015	EA	Waterproof Wrist Transmitter (Automatic Supervision); S37	504.50
27 52 23 00-0016	EA	Wrist Band Replacement For S37; S37WB	43.97
27 52 23 00-0017	EA	Locate 1 Waterproof Wrist Transceiver; S37L	619.19
27 52 23 00-0018	EA	Locate 1 Beacon; IS75	1,973.77
27 52 23 00-0019	EA	Wireless Smoke Detector Transmitter; SD35	1,258.18
27 52 23 00-0020	EA	Wireless Door Contact Transmitter; RAC35	976.10
27 52 23 00-0021	EA	Wireless Time Controlled Door Contact; RAC45	976.10
27 52 23 00-0022	EA	Local Receiver With Relay (110 Volt AC); LE9	1,211.68
27 52 23 00-0023	EA	Voice Response Unit (Rechargeable Battery Included); S10	2,063.17
27 52 23 00-0024	EA	Alarm Receiving Unit (Rechargeable Battery Included); ARU	4,105.53
27 52 23 00-0025	EA	NurseCall Programming Software; NPS	11,522.73
27 52 23 00-0026	EA	NurseCall Printer Interface; NCPI	3,907.75
27 52 23 00-0027	EA	NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	20,325.87
27 52 23 00-0028	EA	9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	90.74
27 52 23 00-0029	EA	6V Lithium Battery (Replacement For S35 And RAC35); LIT6	81.44
27 52 23 00-0030	EA	9V Alkaline Battery (Replacement For N45); ALK9	38.05
27 52 23 00-0031	EA	Giant LED Single Sided Display; NCGD	20,066.48
27 52 23 00-0032	EA	Serial Printer; NCSP	2,077.98
27 52 23 00-0033	EA	Modular Duplex T-Adapter (Replacement For S10); SE-486A	40.87
27 52 23 00-0034	EA	AC Adapter (Replacement For S10); STA-4110A	78.06

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 52 Healthcare Communications and Monitoring Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

27 52 23 00-0035	EA	S10 Phone Cord (Replacement For S10); STC	40.87	
27 52 23 00-0036	EA	Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	8,881.78	
27 52 23 00-0037	EA	Waveware Pagers; DAP-040	1,252.04	

27 52 23 00-0038 Wireless Nurses Call Tele/Management System (27 52 23 00-0001)

27 52 23 00-0039	EA	Tele/Management Unit; TP12	4,861.23	
27 52 23 00-0040	EA	Tele/Management Software; TP12S	4,713.59	

27 52 23 00-0041 Wireless Nurses Call Paging System (27 52 23 00-0001)

27 52 23 00-0042	EA	Standard Paging System (2.5 Watt Transmitter); RPE673	14,398.26	
27 52 23 00-0043	EA	Removal And Replacement Of Antenna For RPE673; RPE673AN	1,009.93	
27 52 23 00-0044	EA	Removal And Replacement Of Power For RPE673; RPE673PS	1,363.30	
27 52 23 00-0045	EA	Alphanumeric Pager; RPR583	1,670.17	
27 52 23 00-0046	EA	Removal And Replacement Of Holster For RPR583; RPR583H	91.01	

27 52 23 00-0047 Wireless Nurses Call System (Fisher-Berkley) (27 52 23 00-0001)

Note: Repair Parts: Alco Sales

27 52 23 00-0048	EA	Staff Station (Fisher-Berkley AL-59900R)	954.61	
27 52 23 00-0049	EA	Area Central Module (Fisher-Berkley AL-59901R)	758.91	
27 52 23 00-0050	EA	Dual Patient (Fisher-Berkley AL-59902R)	889.48	
27 52 23 00-0051	EA	Code Blue (Fisher-Berkley AL-59903R)	497.98	
27 52 23 00-0052	EA	Bath Emergency Station (Fisher-Berkley AL-59904R)	780.66	
27 52 23 00-0053	EA	Single Station With Sidecom (Fisher-Berkley AL-59905R)	1,019.84	
27 52 23 00-0054	EA	Dual Station With Sidecom (Fisher-Berkley AL-59906R)	1,367.34	
27 52 23 00-0055	EA	Single Patient Station (Fisher-Berkley AL-59907R)	541.47	
27 52 23 00-0056	EA	Duty Station (Fisher-Berkley AL-59908R)	584.96	
27 52 23 00-0057	EA	Master Station (Fisher-Berkley AL-59909R)	7,519.28	
27 52 23 00-0058	EA	Station In/Out Board (Fisher-Berkley AL-59910R)	3,693.14	
27 52 23 00-0059	EA	Power Supply (Fisher-Berkley AL-59911R)	3,826.03	
27 52 23 00-0060	EA	Pillow Speaker (Fisher-Berkley AL-59913R)	715.42	
27 52 23 00-0061	EA	Staff Presence Station (Fisher-Berkley AL-59914R)	541.47	
27 52 23 00-0062	EA	HB System Patient Station (Fisher-Berkley AL-59915R)	606.70	
27 52 23 00-0063	EA	HB System Staff Station (Fisher-Berkley AL-59916R)	563.22	
27 52 23 00-0064	EA	Station In/Out Board Expdr (Fisher-Berkley AL-59917R)	3,062.97	
27 52 23 00-0065	EA	Master In/Out Board (Fisher-Berkley AL-59918R)	2,497.63	
27 52 23 00-0066	EA	MMC Central Processor Unit (Fisher-Berkley AL-59919R)	3,054.27	

27 52 23 00-0067 Equipment Nurses Call Systems (27 52 23)

27 52 23 00-0068	EA	Nurses Call System, Page/Talk Relay Intercommunication Equipment	306.21	67.42
27 52 23 00-0069	EA	Nurses Call System, Main Equipment Panel Intercommunication Equipment	3,312.95	269.69
27 52 23 00-0070	EA	Nurses Call System, Re-Entrant Horn Intercommunication Equipment	321.94	88.16
27 52 23 00-0071	EA	Nurses Call System, Nurses Control Station Intercommunication Equipment	1,569.14	259.32
27 52 23 00-0072	EA	Nurses Call System, Duty Station Intercommunication Equipment	796.21	202.27
27 52 23 00-0073	EA	Nurses Call System, Staff Station Intercommunication Equipment	420.23	67.42
27 52 23 00-0074	EA	Nurses Call System, Single Bedside Station Intercommunication Equipment	397.70	67.42
27 52 23 00-0075	EA	Nurses Call System, Double Bedside Station Intercommunication Equipment	606.62	117.98
27 52 23 00-0076	EA	Nurses Call System, Emergency Call Button Intercommunication Equipment	180.23	51.87
27 52 23 00-0077	EA	Nurses Call System, Pull Cord Button Intercommunication Equipment	165.72	51.87
27 52 23 00-0078	EA	Nurses Call System, Single Dome Light Intercommunication Equipment	120.12	33.71
27 52 23 00-0079	EA	Nurses Call System, Double Dome Light Intercommunication Equipment	174.03	51.87
27 52 23 00-0080	EA	Nurses Call System, Pillow Speaker Intercommunication Equipment	269.80	33.71
27 52 23 00-0081	EA	Nurses Call System, Cord Set Intercommunication Equipment	131.04	33.71
27 52 23 00-0082	EA	Nurse Call System, Master-20 Station	6,784.73	259.32
27 52 23 00-0083	EA	Dukane Duty Station - Tone Only, PC1000	1,098.01	202.40

27 52 23 00-0084 Aiphone Entry System/Nursing Pull Station (27 52 23)

27 52 23 00-0085	EA	Call Master 50 (Aiphone Model #NHX50M)	2,867.00	259.32
27 52 23 00-0086	EA	Call Add on 30 (Aiphone Model #NHX30G)	1,579.62	64.82
27 52 23 00-0087	EA	Central Control Unit (Aiphone Model #NHX80X)	3,523.04	388.97
27 52 23 00-0088	EA	Call add on/CCU 30 (Aiphone Model #NHR30X)	1,579.62	64.82
27 52 23 00-0089	EA	Power Supply (Aiphone Model #PS240UL)	292.00	12.97
27 52 23 00-0090	EA	Bedroom Station (Aiphone Model #NH1SAA)	454.18	64.82
27 52 23 00-0091	EA	7' Cord (Aiphone Model #NHR8A)	71.37	6.48
27 52 23 00-0092	EA	Cable, 5 Pair, 22 AWG, Shielded (Aiphone Model #86221025A)	1,636.72	661.25
27 52 23 00-0093	EA	Cable, 3 Pair, 22 AWG, Shielded (Aiphone Model #82220350C)	1,451.53	549.65

27 53 Distributed Systems (27 53)**27 53 13 Clock Systems (27 53)****27 53 13 13 Wireless Clock Systems (27 53 13)****27 53 13 13-0001 Wireless Synchronized GPS Clock System (Sapling) (27 53 13 13)****27 53 13 13-0002 Master Clock (Sapling SMA 2000 Series) (27 53 13 13-0001)**

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0003	EA	Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1)	8,292.59	97.24
27 53 13 13-0004	EA	Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1)	8,768.95	97.24
27 53 13 13-0005	EA	Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1)	4,719.89	97.24

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0006	EA	Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1).....	5,196.25	97.24
27 53 13 13-0007	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0).....	3,260.40	
27 53 13 13-0008		Wireless Repeaters (Sapling) (27 53 13 13-0001)		
27 53 13 13-0009	EA	Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1)	2,029.43	64.82
27 53 13 13-0010	EA	Wireless Network Repeater, 900 MHz, 110 VAC - 230 VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1).....	2,273.28	64.82
27 53 13 13-0011		Wireless Round Analog Clocks (Sapling SAL-4 Series) (27 53 13 13-0001) Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0012	EA	Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0).....	440.29	32.42
27 53 13 13-0013	EA	Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0)	278.70	32.42
27 53 13 13-0014	EA	Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0).....	526.12	32.42
27 53 13 13-0015	EA	Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0)	314.34	32.42
27 53 13 13-0016		Wireless GPS Accessories (Sapling) (27 53 13 13-0001)		
27 53 13 13-0017	EA	GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1)	87.73	25.93
27 53 13 13-0018	EA	Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1).....	123.60	25.93
27 53 13 13-0019	EA	GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1).....	1,054.89	56.73
27 53 13 13-0020	EA	GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1).....	1,873.78	81.04
27 53 13 13-0021	EA	GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1).....	654.86	6.48
27 53 13 13-0022		2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series) (27 53 13 13) Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non-Cancelable, Non-Returnable (NCNR). (50) Clock Minimum Quantity Required Per System order for SLDG-32S-256-4R. (25) Clock Minimum Quantity Required Per System order for SLDG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.		
27 53 13 13-0023	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SLDG-32S-256-4R).....	1,392.51	97.24
27 53 13 13-0024	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SLDG-32S-256-1R).....	1,424.17	97.24
27 53 13 13-0025	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SLDG-33S-256-4R).....	1,704.50	97.24
27 53 13 13-0026	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SLDG-33S-256-1R)	1,736.17	97.24
27 53 13 13-0027	EA	Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0).....	188.04	25.93
27 53 13 13-0028	EA	Metal Pole For Double/Flag Mount, Wall Or Ceiling, 13.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-00S-0).....	188.04	25.93
27 53 13 13-0029	EA	Clock Message Setup Fee, Per Clock (Sapling CLK-MSG-SETUP).....	32.60	
27 53 13 13-0030	EA	USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1).....	263.24	3.24
27 53 13 13-0031	EA	Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0)	526.48	6.48
27 53 13 13-0032	EA	Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0).....	96.14	3.24
27 53 13 13-0033	EA	Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1).....	19.22	0.65
27 53 13 13-0034	EA	Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0).....	120.56	6.48
27 53 13 13-0035		2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series) (27 53 13 13) Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0036	EA	Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1)	6,883.84	97.24
27 53 13 13-0037	EA	Master Clock With 2.4 GHz Transmitter And GPS For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1)	9,471.95	97.24
27 53 13 13-0038	EA	Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0).....	3,039.57	64.82
27 53 13 13-0039	EA	Wireless Network Repeater, 2.4 GHz, 110 VAC - 230 VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1)	1,747.23	64.82
27 53 13 13-0040	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0).....	3,260.40	
27 53 13 13-0041	EA	Countdown Feature Upgrade (Sapling SMA-000-CDOW-0).....	1,613.90	
27 53 13 13-0042		Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling) (27 53 13 13) Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant between the cover and wall is recommended.		
27 53 13 13-0043	EA	Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12).....	443.23	16.20
27 53 13 13-0044	EA	Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25)	443.23	16.20

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 53 Distributed Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
27 53 13 13-0045		Wire Guards For Wireless Synchronized Clocks (Sapling) (27 53 13 13)		
27 53 13 13-0046	EA	Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200)	245.81	16.20
27 53 13 13-0047	EA	Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017).....	342.04	16.20
27 53 13 13-0048		Wireless Synchronized Clock Transmitters (27 53 13 13)		
27 53 13 13-0049		Analog, Wireless Synchronized Clocks (Primex Traditional Series) (27 53 13 13-0048)		
27 53 13 13-0050	EA	12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	350.12	32.42
		For >250, Deduct	-72.47	
		For >100 To 250, Deduct	-61.06	
27 53 13 13-0051	EA	12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock	635.42	32.42
		For >250, Deduct	-49.65	
		For >100 To 250, Deduct	-41.09	
27 53 13 13-0052	EA	16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	409.14	32.42
		For >250, Deduct	-85.45	
		For >100 To 250, Deduct	-71.68	
27 53 13 13-0053	EA	12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock	399.31	32.42
		For >250, Deduct	-83.29	
		For >100 To 250, Deduct	-69.91	
27 53 13 13-0054	EA	12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock.....	733.79	32.42
		For >250, Deduct	-56.53	
		For >100 To 250, Deduct	-46.50	
27 53 13 13-0055	EA	16", Electric, Single Sided, Analog, Wireless Synchronized Clock	458.33	32.42
		For >250, Deduct	-68.73	
		For >100 To 250, Deduct	-52.99	
27 53 13 13-0056		Digital, Wireless Synchronized Clocks (Primex Digital Series) (27 53 13 13-0048)		
27 53 13 13-0057		4-Digit, Digital, Wireless Synchronized Clocks (27 53 13 13-0056)		
27 53 13 13-0058	EA	2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	517.36	32.42
		For Green LED, Add	45.25	
		For >100 To 250, Deduct	-45.91	
		For >250, Deduct	-68.53	
27 53 13 13-0059	EA	2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	969.90	32.42
		For Green LED, Add	90.51	
		For >100 To 250, Deduct	-100.21	
		For >250, Deduct	-254.08	
27 53 13 13-0060	EA	4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	576.39	32.42
		For Green LED, Add	51.16	
		For >250, Deduct	-48.07	
		For >100 To 250, Deduct	-32.72	
27 53 13 13-0061	EA	4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	1,087.96	32.42
		For Green LED, Add	102.31	
		For >100 To 250, Deduct	-91.55	
		For >250, Deduct	-285.95	
27 53 13 13-0062		6-Digit, Digital, Wireless Synchronized Clocks (27 53 13 13-0056)		
27 53 13 13-0063	EA	2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	576.39	32.42
		For Green LED, Add	51.16	
		For >100 To 250, Deduct	-37.84	
		For >250, Deduct	-54.21	
27 53 13 13-0064	EA	2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	1,087.96	32.42
		For Green LED, Add	102.31	
		For >250, Deduct	-193.87	
		For >100 To 250, Deduct	-82.35	
27 53 13 13-0065	EA	2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock.....	674.77	32.42
		For Green LED, Add	61.00	
		For >100 To 250, Deduct	-31.05	
		For >250, Deduct	-46.30	
27 53 13 13-0066		Wire Guards For Wireless Synchronized Clocks (27 53 13 13-0048)		
27 53 13 13-0067	EA	18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks.....	179.99	16.20
27 53 13 13-0068	EA	Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks	81.61	16.20
27 53 13 13-0069	EA	Digital Clock Wire Guard For 4" Wireless Synchronized Clocks	91.45	16.20
27 53 13 13-0070		Wireless Synchronized Clock Transmitters (27 53 13 13-0048)		
		Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.		
27 53 13 13-0071	EA	Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000).....	3,923.03	97.24
		For Roof Mounted GPS Receiver, Add	566.94	
27 53 13 13-0072	EA	External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E).....	6,392.33	97.24
		Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
		For Roof Mounted GPS Receiver, Add	813.87	
27 53 13 13-0073	EA	Repeater, Satellite Transmitter (Primex 14006).....	3,858.21	64.82
		Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
27 53 13 13-0074		Accessories For Wireless Synchronized Clock Transmitters (27 53 13 13-0048)		
27 53 13 13-0075	EA	External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters	347.01	25.93
27 53 13 13-0076	EA	Transmitter Rack For Wireless Synchronized Clock Transmitters	154.18	25.93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 53 13 13-0077	EA	Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters	233.34	12.97
27 53 13 13-0078	EA	50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	196.65	32.42
27 53 13 13-0079	EA	100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	274.32	48.62
27 53 13 13-0080	EA	200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	405.12	64.82

27 53 13 16 Wired Clock Systems (27 53 13)

27 53 13 16-0001		Wired Self-Corrective Clock Systems (27 53 13 16)		
27 53 13 16-0002		Wired Self-Corrective Clocks (27 53 13 16-0001)		
27 53 13 16-0003		Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)		
27 53 13 16-0004		24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)		
27 53 13 16-0005	EA	12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	297.98	32.42
		For >50 To 100, Deduct	-19.03	
		For >100, Deduct	-28.36	
27 53 13 16-0006	EA	12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	714.12	32.42
		For >50 To 100, Deduct	-35.68	
		For >100, Deduct	-61.65	
27 53 13 16-0007	EA	16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	374.71	32.42
		For >50 To 100, Deduct	-25.20	
		For >100, Deduct	-37.59	
27 53 13 16-0008	EA	16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	944.32	32.42
		For >50 To 100, Deduct	-97.65	
		For >100, Deduct	-132.83	

27 53 13 16-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)

27 53 13 16-0010	EA	12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	297.98	32.42
		For >50 To 100, Deduct	-19.03	
		For >100, Deduct	-28.36	
27 53 13 16-0011	EA	12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	714.12	32.42
		For >50 To 100, Deduct	-35.68	
		For >100, Deduct	-61.65	
27 53 13 16-0012	EA	16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	374.71	32.42
		For >50 To 100, Deduct	-25.20	
		For >100, Deduct	-37.59	
27 53 13 16-0013	EA	16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	944.32	32.42
		For >50 To 100, Deduct	-97.65	
		For >100, Deduct	-132.83	

27 53 13 16-0014 Accessories For Analog Wired Self-Corrective Clocks (27 53 13 16-0003)

27 53 13 16-0015	EA	Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	246.39	16.20
27 53 13 16-0016	EA	Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	61.93	16.20
27 53 13 16-0017	EA	Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	78.91	16.20
27 53 13 16-0018	EA	Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	96.62	16.20
27 53 13 16-0019	EA	Combination Back Box For Speaker And Clock	164.72	25.93

27 53 13 16-0020 Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)

27 53 13 16-0021		24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)		
27 53 13 16-0022	EA	2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	368.81	32.42
		For Surface Mount, Add	60.80	
		For >50 To 100, Deduct	-18.24	
		For >100, Deduct	-30.40	
27 53 13 16-0023	EA	4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	569.50	32.42
		For Surface Mount, Add	100.94	
		For >50 To 100, Deduct	-30.28	
		For >100, Deduct	-50.47	

27 53 13 16-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)

27 53 13 16-0025	EA	2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	368.81	32.42
		For Surface Mount, Add	60.80	
		For >50 To 100, Deduct	-18.24	
		For >100, Deduct	-30.40	
27 53 13 16-0026	EA	4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	569.50	32.42
		For Surface Mount, Add	100.94	
		For >50 To 100, Deduct	-30.28	
		For >100, Deduct	-50.47	

27 53 13 16-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)

27 53 13 16-0028	EA	2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	314.96	32.42
		For >50 To 100, Deduct	-15.01	
		For >100, Deduct	-25.01	
27 53 13 16-0029	EA	4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks.....	520.80	32.42
		For >50 To 100, Deduct	-27.36	
		For >100, Deduct	-45.60	

27 53 13 16-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)

27 Communications**27 50 Distributed Communications and Monitoring Systems****27 53 Distributed Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
27 53 13 16-0031	EA 2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	314.96		32.42
	For >50 To 100, Deduct	-15.01		
	For >100, Deduct	-25.01		
27 53 13 16-0032	EA 4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	520.80		32.42
	For >50 To 100, Deduct	-27.36		
	For >100, Deduct	-45.60		
27 53 13 16-0033	Accessories For Digital Wired Self-Corrective Clocks (27 53 13 16-0020)			
27 53 13 16-0034	EA Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	336.41		16.20
27 53 13 16-0035	EA 2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	79.64		16.20
27 53 13 16-0036	EA 4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	110.63		16.20
27 53 13 16-0037	EA Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks.....	293.61		16.20
27 53 13 16-0038	EA 4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	81.86		16.20
27 53 13 16-0039	Wired Self-Corrective Master Clocks (27 53 13 16-0001)			
27 53 13 16-0040	Wired Self-Corrective Master Clocks (27 53 13 16-0039)			
27 53 13 16-0041	EA 24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	3,464.07		259.32
27 53 13 16-0042	EA 120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	3,685.42		259.32
27 53 13 16-0043	Accessories For Wired Self-Corrective Master Clocks (27 53 13 16-0039)			
27 53 13 16-0044	EA 5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	353.24		64.82
27 53 13 16-0045	EA 10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	399.71		64.82
27 53 13 16-0046	Other Clock And Program Systems (27 53 13 16)			
27 53 13 16-0047	EA 4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	2,054.91		129.66
27 53 13 16-0048	EA 8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	2,484.46		259.32
27 53 13 16-0049	EA Program Bell (Lathem 906-6).....	302.57		64.82
27 53 13 16-0050	EA Combination Clock And Speaker.....	686.88		162.07

END OF SECTION 27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results for Electronic Safety and Security ⁽²⁸⁾

28 05 26 Grounding and Bonding for Electronic Safety and Security ^(28 05)

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security ^(28 05)

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control ⁽²⁸⁾

Note: Includes testing of new devices and certification.

28 15 Integrated Access Control Hardware Devices ^(28 10)

28 15 11 Integrated Credential Readers and Field Entry Management ^(28 15)

28 15 11 13 Keypads ^(28 15 11)

28 15 11 13-0001 Vindicator Security Alarm System ^(28 15 11 13)

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,726.85	270.34
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	2,182.66	351.37
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01.....	11,957.15	770.16
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01.....	5,664.44	656.33
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	1,386.25	359.02

28 16 Access Control Interfaces ^(28 10)

28 16 11 Access Control Interfaces to Access Control Hardware ^(28 16)

28 16 11 00-0001 Stand-Alone Access Controls ^(28 16 11)

28 16 11 00-0002 Push Button Controls, Stand-Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand-Alone Access Controls ^(28 16 11 00-0002)

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls..... Note: Controls mount to a standard mullion.	151.37	32.42
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	158.58	32.42
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand-Alone Access Controls For Gate Operators..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	200.05	32.42

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand-Alone Access Controls ^(28 16 11 00-0002)

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	189.83	32.42
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls..... Note: Includes post, mounting base and push button control. Excludes concrete foundation.	913.31	97.24
28 16 11 00-0010	EA	Three Button, Exterior Stand-Alone Access Controls For Gate Operators..... Note: Includes open, close and stop controls.	308.24	32.42

28 16 11 00-0011 Key Controls, Stand-Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0012 Interior Mount, Key Controls, Stand-Alone Access Controls ^(28 16 11 00-0011)

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand-Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	213.57	32.42
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28 16 11 00-0014 Exterior Mount, Key Controls, Stand-Alone Access Controls ^(28 16 11 00-0011)

28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand-Alone Access Controls..... Note: Opens door or gate with a postal or fire department key.	328.00	64.82
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand-Alone Access Controls.....	519.12	64.82
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand-Alone Access Controls.....	519.12	64.82
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand-Alone Access Controls.....	793.19	64.82

28 16 11 00-0019 Keypad Controls, Stand-Alone Access Controls ^(28 16 11 00-0001)

28 16 11 00-0020 Interior Mount, Keypad Controls, Stand-Alone Access Controls ^(28 16 11 00-0019)

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand-Alone Access Controls..... Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	299.22	32.42
28 16 11 00-0022	EA	One Code Memory, Keyless Electronic Lock With Handle (Digilock DAK1-ATS)..... Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	238.58	32.42

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 16 11 00-0023	EA	One Code Memory, Keyless Electronic Lock (Digilock DAK1-ATS) Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	211.80	32.42	
28 16 11 00-0024		Exterior Mount, Keypad Controls, Stand-Alone Access Controls (28 16 11 00-0019) Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.			
28 16 11 00-0025		Keypad Controls, Exterior Stand-Alone Access Controls (28 16 11 00-0024)			
28 16 11 00-0026	EA	1000 Code Memory, Keypad Control, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	1,251.01 223.13	129.66	
28 16 11 00-0027		Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls (28 16 11 00-0024) Note: Includes intercom sub-station. Excludes additional receiving intercoms.			
28 16 11 00-0028	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	1,517.81 275.87	145.86	
28 16 11 00-0029		RF Controls, Stand-Alone Access Controls (28 16 11 00-0001)			
28 16 11 00-0030		Exterior Mount, RF Controls, Stand-Alone Access Controls (28 16 11 00-0029) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.			
28 16 11 00-0031		RF Receivers, RF Controls, Exterior Stand-Alone Access Controls (28 16 11 00-0030) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.			
28 16 11 00-0032	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	746.15	129.66	
28 16 11 00-0033	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	843.52	129.66	
28 16 11 00-0034	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	937.28	129.66	
28 16 11 00-0035	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,038.25	129.66	
28 16 11 00-0036	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,132.01	129.66	
28 16 11 00-0037	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,232.98	129.66	
28 16 11 00-0038	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,326.74	129.66	
28 16 11 00-0039		RF Transmitters, RF Controls, Exterior Stand-Alone Access Controls (28 16 11 00-0030)			
28 16 11 00-0040	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	61.30		
		<i>For >40 To 110, Deduct</i>	-3.07		
		<i>For >110, Deduct</i>	-6.13		
		<i>For Built In Proximity Tags, Add</i>	12.26		
28 16 11 00-0041	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	64.91		
		<i>For >40 To 110, Deduct</i>	-3.25		
		<i>For >110, Deduct</i>	-6.49		
		<i>For Built In Proximity Tags, Add</i>	12.98		
28 16 11 00-0042	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	68.52		
		<i>For >40 To 110, Deduct</i>	-3.43		
		<i>For >110, Deduct</i>	-6.85		
		<i>For Built In Proximity Tags, Add</i>	13.70		
28 16 11 00-0043		Accessories For RF Receivers, Exterior Stand-Alone Access Controls (28 16 11 00-0030)			
28 16 11 00-0044	EA	Coax Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 15' of coax cable.	281.03	97.24	
28 16 11 00-0045	EA	Antenna Amplifier For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 20' of coax cable.	555.10	97.24	
28 16 11 00-0046	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 15' of coax cable.	504.61	97.24	
28 16 11 00-0047		Proximity Card Controls, Stand-Alone Access Controls (28 16 11 00-0001)			
28 16 11 00-0048		Exterior Mount, Proximity Card Controls, Stand-Alone Access Controls (28 16 11 00-0047) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.			
28 16 11 00-0049		DKS Proximity Card Controls, Exterior Stand-Alone Access Controls (28 16 11 00-0048)			
28 16 11 00-0050		DKS Proximity Card Readers, Exterior Stand-Alone Access Controls (28 16 11 00-0049)			
28 16 11 00-0051	EA	DKS Proximity Card Reader, Exterior Stand-Alone Access Controls	1,431.32	129.66	
28 16 11 00-0052		AWID Proximity Card Controls, Exterior Stand-Alone Access Controls (28 16 11 00-0048)			
28 16 11 00-0053		AWID Proximity Card Readers, Exterior Stand-Alone Access Controls (28 16 11 00-0052)			
28 16 11 00-0054	EA	AWID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,557.53	129.66	
28 16 11 00-0055		HID Proximity Card Controls, Exterior Stand-Alone Access Controls (28 16 11 00-0048)			
28 16 11 00-0056		HID Proximity Card Readers, Exterior Stand-Alone Access Controls (28 16 11 00-0055)			
28 16 11 00-0057	EA	HID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,846.03	129.66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0058 Magnetic Stripe Card Controls, Stand-Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0059 Interior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls (28 16 11 00-0058)		
28 16 11 00-0060 EA Magnetic Stripe Reader, Interior Stand-Alone Access Controls.....	854.33	129.66
28 16 11 00-0061 Exterior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls (28 16 11 00-0058)		
Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0062 EA Magnetic Stripe Reader, Exterior Stand-Alone Access Controls	1,057.96	129.66
28 16 11 00-0063 Other Stand-Alone Access Controls (28 16 11 00-0001)		
28 16 11 00-0064 EA Toggle Switch, Interior Access Controls For Gate Operators	145.96	32.42
Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0065 EA Request To Exit Motion Detector (Bosch Security Systems DS160)	155.76	25.93
28 16 11 00-0066 Wiegand Output Access Controls (28 16 11)		
Note: Excludes controllers.		
28 16 11 00-0067 Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0066)		
28 16 11 00-0068 DKS, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0067)		
28 16 11 00-0069 DKS, Proximity Cards (28 16 11 00-0068)		
28 16 11 00-0070 EA Clamshell Type, DKS Proximity Card (DKS 170).....	9.59	
28 16 11 00-0071 EA ISO Compliant Graphics Card, DKS Proximity Card (DKS 80).....	15.82	
28 16 11 00-0072 EA DKS Proximity Key Fob (DKS 50).....	16.66	
28 16 11 00-0073 EA Active Tag, DKS Proximity Tag (DKS 150).....	94.24	
Note: Battery powered tag to boost signal.		
28 16 11 00-0074 EA Active Tag, DKS Proximity Tag (DKS 200)	122.85	
Note: Battery powered tag to boost signal.		
28 16 11 00-0075 DKS, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0068)		
28 16 11 00-0076 EA Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	515.99	162.07
28 16 11 00-0077 EA Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	515.99	162.07
28 16 11 00-0078 EA Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	515.99	162.07
28 16 11 00-0079 EA Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS).....	1,414.64	162.07
Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0080 AWID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0067)		
28 16 11 00-0081 AWID, Proximity Cards (28 16 11 00-0080)		
28 16 11 00-0082 EA Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	8.08	
28 16 11 00-0083 EA ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	12.62	
28 16 11 00-0084 EA AWID Proximity Key Fob (AWID Prox-Linc KT).....	13.46	
28 16 11 00-0085 EA Windshield Tag For LR 2000 Readers, AWID Proximity Tag	47.12	
28 16 11 00-0086 EA Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	47.12	
28 16 11 00-0087 AWID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0080)		
28 16 11 00-0088 EA Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400)	627.06	162.07
Note: For mullion mounting.		
28 16 11 00-0089 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800)	869.39	162.07
Note: For mullion mounting.		
28 16 11 00-0090 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820)	869.39	162.07
Note: For single gang electrical box mounting.		
28 16 11 00-0091 EA Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824).....	1,418.01	162.07
Note: Includes 12 Volt DC regulated power supply.		
28 16 11 00-0092 EA Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000)	8,001.39	162.07
Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0093 HID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0067)		
28 16 11 00-0094 HID, Proximity Cards (28 16 11 00-0093)		
28 16 11 00-0095 EA Clamshell Type, HID Proximity Card (HID ProxCard II).....	19.48	
28 16 11 00-0096 EA ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II).....	25.54	
28 16 11 00-0097 EA HID Proximity Key Fob (HID ProxKey II)	26.21	
28 16 11 00-0098 HID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0093)		

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 16 11 00-0099	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus).....	577.91	162.07	
Note: For mullion mounting. (HID P/N 6005).					
28 16 11 00-0100	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II).....	680.45	162.07	
Note: For single gang electrical box mounting. (HID P/N 5395).					
28 16 11 00-0101	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx).....	757.35	162.07	
Note: For mullion mounting. (HID P/N 5365).					
28 16 11 00-0102	EA	EntryProx Single-Door Proximity Access Control.....	964.98	162.07	
Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument C1CR2358P.					
28 16 11 00-0103		Contactless Smart Card Controls, Wiegand Output Access Controls (28 16 11 00-0066)			
28 16 11 00-0104		HID, Contactless Smart Cards (28 16 11 00-0103)			
28 16 11 00-0105	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card.....	14.81		
28 16 11 00-0106	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card.....	16.17		
28 16 11 00-0107	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card.....	21.16		
28 16 11 00-0108	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card.....	11.45		
Note: Battery powered tag to boost signal.					
28 16 11 00-0109		HID, Contactless Smart Card Readers, Wiegand Output Access Controls (28 16 11 00-0103)			
28 16 11 00-0110	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10).....	591.24	162.07	
Note: For mullion mounting.					
28 16 11 00-0111	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40).....	813.37	162.07	
Note: For mullion mounting.					
28 16 11 00-0112	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40).....	1,313.19	162.07	
Note: For mullion mounting.					
28 16 11 00-0113		HID, Contactless Smart Card Programmer, Wiegand Output Access Controls (28 16 11 00-0103)			
28 16 11 00-0114	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400).....	4,124.30	162.07	
Note: For mullion mounting.					
28 16 11 00-0115		Call Station Controls, Wiegand Output Access Controls (28 16 11 00-0066)			
Note: Includes intercom sub-station. Excludes additional receiving intercoms.					
28 16 11 00-0116	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls.....	1,622.35	162.07	
Note: For mullion mounting.					
28 16 11 00-0117	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls.....	1,351.89	162.07	
Note: For mullion mounting.					
28 16 11 00-0118		Biometrics Readers, Wiegand Output Access Controls (28 16 11 00-0066)			
28 16 11 00-0119	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls.....	7,046.64	129.66	
28 16 11 00-0120	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls.....	8,606.31	129.66	
28 16 11 00-0121	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls.....	3,394.34	129.66	
28 16 11 00-0122	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass).....	2,097.25	129.66	
28 16 11 00-0123	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox).....	2,335.26	129.66	
28 16 11 00-0124	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart).....	2,097.25	129.66	
28 16 11 00-0125		Exterior Mounting Posts For Gate Operator Access Controls (28 16 11)			
Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.					
28 16 11 00-0126		2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28 16 11 00-0125)			
28 16 11 00-0127	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	478.24	46.20	
Note: Includes a 5" x 5" base plate.					
28 16 11 00-0128	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	903.76	46.20	
Note: Includes an 8" x 8" base plate.					
28 16 11 00-0129	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	434.96	46.20	
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.					
28 16 11 00-0130		4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28 16 11 00-0125)			
28 16 11 00-0131	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	853.73	55.43	
Note: Includes an 8" x 8" base plate.					
28 16 11 00-0132	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	1,012.40	55.43	
Note: Includes an 8" x 8" base plate and a 14" offset from back of post.					
28 16 11 00-0133	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls.....	633.75	55.43	
Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.					

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0134		4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls ^(28 16 11)		
		^{16 11 00-0125}		
28 16 11 00-0135	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	2,716.98	69.29
		Note: Includes a 11" x 13" base plate.		
28 16 11 00-0136	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	2,843.19	69.29
		Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		
28 16 11 00-0137	EA	Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	1,202.39	23.10
		Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0138	EA	48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,887.56	69.29
28 16 11 00-0139		Magnetic Locks ^(28 16 11)		
		Note: Excludes access controls.		
28 16 11 00-0140		Magnetic Door Locks ^(28 16 11 00-0139)		
28 16 11 00-0141		300 Lb. Magnetic Door Locks ^(28 16 11 00-0140)		
28 16 11 00-0142	EA	Single Door, Surface Mount, 300 Lb. Magnetic Door Lock	688.45	129.66
28 16 11 00-0143		600 Lb. Magnetic Door Locks ^(28 16 11 00-0140)		
28 16 11 00-0144	EA	600 Lb., Single Door, Surface Mount, Magnetic Door Lock	985.96	129.66
		For LED Status Indicator And Signal Relay, Add	90.83	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	181.66	
		For Mortise Mount, Deduct	-145.33	
28 16 11 00-0145	EA	600 Lb., Dual Doors, Surface Mount, Magnetic Door Lock.....	1,474.59	129.66
		For LED Status Indicator And Signal Relay, Add	151.91	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	303.82	
28 16 11 00-0146		1,200 Lb. Magnetic Door Locks ^(28 16 11 00-0140)		
28 16 11 00-0147	EA	1,200 Lb., Single Door, Surface Mount, Magnetic Door Lock	1,031.04	129.66
		For LED Status Indicator And Signal Relay, Add	177.50	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	231.52	
28 16 11 00-0148	EA	Dual Doors, Surface Mount, 1,200 Lb. Magnetic Door Lock.....	1,571.96	129.66
		For LED Status Indicator And Signal Relay, Add	301.91	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	393.79	
28 16 11 00-0149		2,000 Lb. Shear Lock, Magnetic And Mechanical Locks ^(28 16 11 00-0140)		
		Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0150	EA	Single Door, Mortise Mount, 2,000 Lb. Shear Lock, Magnetic And Mechanical Door Lock	1,079.72	129.66
28 16 11 00-0151		Magnetic Gate Locks ^(28 16 11 00-0139)		
28 16 11 00-0152		600 Lb. Magnetic Gate Locks ^(28 16 11 00-0151)		
28 16 11 00-0153	EA	600 Lb. Magnetic Gate Lock.....	807.45	129.66
28 16 11 00-0154		1,200 Lb. Magnetic Gate Locks ^(28 16 11 00-0151)		
28 16 11 00-0155	EA	1,200 Lb. Magnetic Gate Lock	971.53	129.66
		For LED Status Indicator And Signal Relay, Add	89.03	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	178.05	
		For Mortise Mount, Deduct	-142.44	
28 16 11 00-0156		Magnetic Lock Power Supply And Chargers ^(28 16 11 00-0139)		
		Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0157	EA	12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	597.53	129.66
28 16 11 00-0158	EA	12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	761.01	129.66
28 16 11 00-0159	EA	12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	857.18	129.66
28 16 11 00-0160	EA	12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger.....	1,078.35	129.66
28 16 11 00-0161		Access Control Accessories ^(28 16 11)		
28 16 11 00-0162	EA	6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5)	673.78	
28 16 11 00-0163	EA	7 Amperes, 12 Volt, Battery	88.64	
28 16 11 00-0164	EA	18 Amperes, 12 Volt, Battery	197.57	
28 16 11 00-0165	EA	Door Personality Module (Sensormatic RM-4).....	733.80	32.42
28 16 11 00-0166	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400).....	298.22	64.82
28 16 11 00-0167	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C).....	90.87	38.90
28 16 11 00-0168	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB).....	808.04	25.93
28 16 11 00-0169	EA	Surge Suppressor (Tripp-Lite IBAR4).....	121.92	6.49
28 16 11 00-0170	EA	Door Strike Relay (Altronix RBSN-TTL).....	85.49	25.93
28 16 11 00-0171	EA	4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1)	512.92	
		Note: Set in concrete.		
28 16 11 00-0172	EA	16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16).....	721.94	162.07
28 16 11 00-0173		Access Controllers ^(28 16 11)		
28 16 11 00-0174		Microterm Controller ^(28 16 11 00-0173)		
28 16 11 00-0175	EA	Microterm Stand-Alone One Or Two Door Processing Panel (Continental Instruments C1CP1100).....	1,861.66	162.07
		Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		

28 Electronic Safety and Security**28 10 Access Control****28 16 Access Control Interfaces**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
28 16 11 00-0176	EA	Microterm PC Board (Continental Instruments CICIP1100PCB)	1,345.07		97.24
28 16 11 00-0177	EA	Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2)	639.91		
Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.					
28 16 11 00-0178		Miniterm Controller (28 16 11 00-0173)			
28 16 11 00-0179	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200).....	2,917.24		162.07
Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.					
28 16 11 00-0180	EA	Miniterm PC Board (Continental Instrument CICIP1200PCB)	2,207.83		97.24
28 16 11 00-0181		Super-2 Controller (28 16 11 00-0173)			
28 16 11 00-0182	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300).....	2,158.33		162.07
Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.					
28 16 11 00-0183	EA	Super-Two - PC Board (Continental Instruments CICIP1300BD).....	1,482.51		97.24
28 16 11 00-0184	EA	Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD)	408.00		97.24
Note: Optional on-board adapter allows for communication over TCP/IP.					
28 16 11 00-0185		Smarterm Controller (28 16 11 00-0173)			
28 16 11 00-0186	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400)	6,131.20		194.48
Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.					
28 16 11 00-0187	EA	Smarterm PC Board (Continental Instrument CICIP1400PCB)	4,722.67		97.24
28 16 11 00-0188	EA	Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1).....	1,835.61		97.24
Note: Up to 10,000 cardholders.					
28 16 11 00-0189	EA	Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1).....	2,611.09		97.24
Note: Up to 50,000 cardholders.					
28 16 11 00-0190	EA	Smarterm Relay Expander Board (Continental Instrument CICIP1400RB)	2,030.00		97.24
Note: 16 Output relays, 8 alarm inputs.					
28 16 11 00-0191	EA	Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB)	2,030.00		97.24
Note: (Supervised) 16 alarm inputs.					
28 16 11 00-0192		Superterm-4 Controller (28 16 11 00-0173)			
28 16 11 00-0193	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL)	5,657.98		194.48
Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.					
28 16 11 00-0194	EA	Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	4,643.12		97.24
28 16 11 00-0195		Superterm-8 Controller (28 16 11 00-0173)			
28 16 11 00-0196	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800).....	7,527.84		324.14
Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.					
28 16 11 00-0197	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP).....	8,174.06		324.14
Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.					
28 16 11 00-0198	EA	Superterm-8 PC Board (Continental Instrument CICIP1800PCB)	6,253.67		97.24
28 16 11 00-0199		Turbo Superterm-4 Controller (28 16 11 00-0173)			
28 16 11 00-0200	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT).....	5,657.98		194.48
Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.					
28 16 11 00-0201	EA	Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB).....	4,643.12		97.24
28 16 11 00-0202		Turbo Superterm-8 Controller (28 16 11 00-0173)			
28 16 11 00-0203	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T).....	7,527.84		324.14
Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.					
28 16 11 00-0204	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP)	8,174.06		324.14
Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.					
28 16 11 00-0205	EA	Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....	6,253.67		97.24
28 16 11 00-0206	EA	Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2)	2,611.09		97.24
Note: Up to 140,000 cardholders.					
28 16 11 00-0207	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2)	2,197.49		97.24
Note: Up to 140,000 cardholders.					
28 16 11 00-0208	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB).....	2,032.09		97.24
Note: 16 Output relays, 8 alarm inputs.					
28 16 11 00-0209	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB).....	2,032.09		97.24
Note: (Supervised) 16 Alarm inputs.					
28 16 11 00-0210	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIPEXPWS)	828.90		
28 16 11 00-0211		Intelligent Controller (28 16 11 00-0173)			
28 16 11 00-0212	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501).....	1,455.64		97.24

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0213	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502)	2,512.95	162.07
28 16 11 00-0214		Access Control Bundled System (28 16 11)		
28 16 11 00-0215	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	41,045.30	
28 16 11 00-0216		Master Door Buzzer Stations (28 16 11)		
28 16 11 00-0217		Master Stations (28 16 11 00-0216)		
28 16 11 00-0218	EA	Master Stations, 5 Station Intercommunication Equipment	1,223.75	202.27
28 16 11 00-0219	EA	Master Stations, 10 Station Intercommunication Equipment	1,838.18	391.56
28 16 11 00-0220	EA	Master Station, Desk Style Remote Intercommunication Equipment	525.88	101.13
28 16 11 00-0221	EA	Master Station, Flush Wall Remote Intercommunication Equipment	672.71	168.56
28 16 11 00-0222	EA	Sound System Outlet, Protector	172.52	66.00
28 16 11 00-0223	EA	Sound System Microphone Outlet	301.63	135.10
28 16 11 00-0224	EA	Ceiling Or Wall, Sound System Speaker	231.05	66.00
28 16 11 00-0225	EA	Sound System Monitor Panel	675.46	135.10
28 16 11 00-0226	EA	Sound System Volume Control	199.51	66.00
28 16 11 00-0227	EA	250 Watt, Sound System Amplifier	3,125.68	540.28
28 16 11 00-0228	EA	Sound System Cabinet	1,823.59	540.28
28 16 11 00-0229		Master Door Stations (28 16 11 00-0216)		
28 16 11 00-0230	EA	Master Door Stations, Button Buzzer Type, 25 Station..... <i>For Intercom Type Master Door Station, Add</i>	2,690.52 224.87	
28 16 11 00-0231	EA	Master Door Stations, Button Buzzer Type, 50 Station..... <i>For Intercom Type Master Door Station, Add</i>	4,455.69 364.28	
28 16 11 00-0232	EA	Master Door Stations, Button Buzzer Type, 75 Station..... <i>For Intercom Type Master Door Station, Add</i>	6,113.85 472.22	
28 16 11 00-0233	EA	Master Door Stations, Button Buzzer Type, 100 Station..... <i>For Intercom Type Master Door Station, Add</i>	6,988.99 553.17	
28 16 11 00-0234	EA	Master Door Stations, Button Buzzer Type, 150 Station..... <i>For Intercom Type Master Door Station, Add</i>	8,486.62 809.51	
28 16 11 00-0235	EA	Master Door Stations, Button Buzzer Type, 200 Station..... <i>For Intercom Type Master Door Station, Add</i>	9,960.74 1,043.37	
28 16 11 00-0236	EA	Master Door Stations, Button Buzzer Type, 250 Station..... <i>For Intercom Type Master Door Station, Add</i>	12,540.51 1,349.19	
28 16 11 00-0237	EA	Master Door Stations, Button Buzzer Type, 300 Station..... <i>For Intercom Type Master Door Station, Add</i>	14,979.37 1,547.07	
28 16 11 00-0238	EA	Transformer	188.12	
28 16 11 00-0239	EA	Door Opener	278.39	
28 16 11 00-0240	EA	Buzzer With Door Release And Plate	343.27	
28 16 11 00-0241	EA	Amplifier For Intercom Type Unit	564.09	
28 16 11 00-0242	EA	Speaker With Door Release	236.85	
28 16 11 00-0243		Request To Exit Detector (28 16 11)		
28 16 11 00-0244	EA	Request-To-Exit Detector; Bosch DS160	267.53	101.13
28 16 11 00-0245		Access Power Controllers (28 16 11)		
28 16 11 00-0246	EA	26" x 19" x 6.25" Access Power Controller Enclosure; A Tronix; Maim 75D Note: Includes power supply	1,850.18	119.29
28 18 Security Access Detection Equipment (28 10)				
28 18 11 Security Access Metal Detectors (28 18)				
28 18 11 00-0001	EA	Handheld Scanner (Garrett Super Scanner V)	289.43	32.42
28 18 11 00-0002	EA	Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000).....	4,671.98	388.97
28 18 11 00-0003	EA	Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500I)	7,212.82	518.62
28 20 Video Surveillance (28)				
Note: Includes testing of new devices and certification.				
28 21 Surveillance Cameras (28 20)				
28 21 31 Proprietary Surveillance Camera Systems (28 21)				
Note: Includes programming of equipment, testing and certification of new devices.				
28 21 31 00-0001		Closed Circuit Television And Surveillance Systems (Pelco) (28 21 31)		
28 21 31 00-0002		Cameras And Accessories (28 21 31 00-0001)		
28 21 31 00-0003		Cameras (28 21 31 00-0002)		
28 21 31 00-0004		Compact, 1/3" Format Cameras (28 21 31 00-0003)		
28 21 31 00-0005		High Resolution Color, Compact, 1/3" Format Cameras (28 21 31 00-0004)		
28 21 31 00-0006	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	694.29	32.47

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 21 31 00-0007	Day/Night, Compact, 1/3" Format Cameras (28 21 31 00-0004)		
28 21 31 00-0008	EA High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	408.84	32.47
28 21 31 00-0009	Camerapaks (28 21 31 00-0002) Note: Includes camera and lens.		
28 21 31 00-0010	Camerapaks (28 21 31 00-0009)		
28 21 31 00-0011	High Resolution Color, Camerapaks (28 21 31 00-0010)		
28 21 31 00-0012	Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0011)		
28 21 31 00-0013	Manual Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0012)		
28 21 31 00-0014	EA 2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	532.65	32.47
28 21 31 00-0015	EA 2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	500.55	32.47
28 21 31 00-0016	EA 4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	485.65	32.47
28 21 31 00-0017	EA 8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	482.21	32.47
28 21 31 00-0018	Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 31 00-0012)		
28 21 31 00-0019	EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	580.80	32.47
28 21 31 00-0020	EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	532.65	32.47
28 21 31 00-0021	EA 4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	521.19	32.47
28 21 31 00-0022	EA 8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	512.02	32.47
28 21 31 00-0023	Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0011)		
28 21 31 00-0024	Manual Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0023)		
28 21 31 00-0025	EA 1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	627.80	32.47
28 21 31 00-0026	EA 2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	565.90	32.47
28 21 31 00-0027	EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	515.46	32.47
28 21 31 00-0028	EA 3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	494.82	32.47
28 21 31 00-0029	EA 5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	571.63	32.47
28 21 31 00-0030	Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0023)		
28 21 31 00-0031	EA 1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	678.24	32.47
28 21 31 00-0032	EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	635.83	32.47
28 21 31 00-0033	EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	563.60	32.47
28 21 31 00-0034	EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	502.84	32.47
28 21 31 00-0035	EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	595.70	32.47
28 21 31 00-0036	EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	673.66	32.47
28 21 31 00-0037	EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	773.40	32.47
28 21 31 00-0038	Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 31 00-0023)		
28 21 31 00-0039	EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	529.21	32.47
28 21 31 00-0040	EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	633.53	32.47
28 21 31 00-0041	High Resolution Day/Night, Camerapaks (28 21 31 00-0010)		
28 21 31 00-0042	Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0041)		
28 21 31 00-0043	Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0042)		
28 21 31 00-0044	EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	1,073.75	32.47
28 21 31 00-0045	EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	1,001.53	32.47
28 21 31 00-0046	EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	940.77	32.47
28 21 31 00-0047	EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	1,033.63	32.47
28 21 31 00-0048	EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	1,111.58	32.47
28 21 31 00-0049	EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	1,210.17	32.47
28 21 31 00-0050	Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 31 00-0042)		
28 21 31 00-0051	EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	967.14	32.47
28 21 31 00-0052	EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	1,071.46	32.47
28 21 31 00-0053	Compact Camerapaks (28 21 31 00-0009)		
28 21 31 00-0054	High Resolution Color, Compact Camerapaks (28 21 31 00-0053)		
28 21 31 00-0055	DSS, High Resolution Color, Compact Camerapaks (28 21 31 00-0054)		
28 21 31 00-0056	Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0055)		
28 21 31 00-0057	Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0056)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0058 EA 2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	831.86	32.47
28 21 31 00-0059 EA 2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	799.76	32.47
28 21 31 00-0060 EA 4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	783.71	32.47
28 21 31 00-0061 EA 8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	780.27	32.47
28 21 31 00-0062 Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 31 00-0056)		
28 21 31 00-0063 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	878.86	32.47
28 21 31 00-0064 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	831.86	32.47
28 21 31 00-0065 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	820.40	32.47
28 21 31 00-0066 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	811.23	32.47
28 21 31 00-0067 Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0055)		
28 21 31 00-0068 Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0067)		
28 21 31 00-0069 EA 1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	927.01	32.47
28 21 31 00-0070 EA 2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	863.96	32.47
28 21 31 00-0071 EA 2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	814.67	32.47
28 21 31 00-0072 EA 3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	794.03	32.47
28 21 31 00-0073 EA 5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	869.69	32.47
28 21 31 00-0074 EA 5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	918.99	32.47
28 21 31 00-0075 EA 5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	1,035.92	32.47
28 21 31 00-0076 Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0067)		
28 21 31 00-0077 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	976.31	32.47
28 21 31 00-0078 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	935.04	32.47
28 21 31 00-0079 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	862.81	32.47
28 21 31 00-0080 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	800.91	32.47
28 21 31 00-0081 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	894.91	32.47
28 21 31 00-0082 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	972.87	32.47
28 21 31 00-0083 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	1,071.46	32.47
28 21 31 00-0084 Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 31 00-0067)		
28 21 31 00-0085 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A).....	828.42	32.47
28 21 31 00-0086 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A).....	932.74	32.47
28 21 31 00-0087 EDR, High Resolution Color, Compact Camerapaks (28 21 31 00-0054)		
28 21 31 00-0088 Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0087)		
28 21 31 00-0089 Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0088)		
28 21 31 00-0090 EA 2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	831.86	32.47
28 21 31 00-0091 EA 2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	620.92	32.47
28 21 31 00-0092 EA 4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	604.87	32.47
28 21 31 00-0093 EA 8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	601.44	32.47
28 21 31 00-0094 Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 31 00-0088)		
28 21 31 00-0095 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	700.03	32.47
28 21 31 00-0096 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	653.02	32.47
28 21 31 00-0097 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	641.56	32.47
28 21 31 00-0098 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	641.56	32.47
28 21 31 00-0099 Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0087)		
28 21 31 00-0100 Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0099)		
28 21 31 00-0101 EA 1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	748.17	32.47
28 21 31 00-0102 EA 2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	685.12	32.47
28 21 31 00-0103 EA 2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	635.83	32.47
28 21 31 00-0104 EA 3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	615.19	32.47
28 21 31 00-0105 EA 5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	690.85	32.47
28 21 31 00-0106 EA 5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	740.15	32.47
28 21 31 00-0107 EA 5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	857.08	32.47
28 21 31 00-0108 Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0099)		
28 21 31 00-0109 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	797.47	32.47
28 21 31 00-0110 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	756.20	32.47
28 21 31 00-0111 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	682.83	32.47
28 21 31 00-0112 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	622.07	32.47
28 21 31 00-0113 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	716.08	32.47
28 21 31 00-0114 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	794.03	32.47
28 21 31 00-0115 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	892.62	32.47

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 21 31 00-0116		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 31 00-0099)		
28 21 31 00-0117	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	649.58	32.47
28 21 31 00-0118	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	753.91	32.47
28 21 31 00-0119		High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0053)		
28 21 31 00-0120		Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0119)		
28 21 31 00-0121		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0120)		
28 21 31 00-0122	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	767.66	32.47
28 21 31 00-0123		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0120)		
28 21 31 00-0124	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	866.25	32.47
28 21 31 00-0125	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	818.10	32.47
28 21 31 00-0126		Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0119)		
28 21 31 00-0127		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0126)		
28 21 31 00-0128	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	800.91	32.47
28 21 31 00-0129	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	780.27	32.47
28 21 31 00-0130	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	906.38	32.47
28 21 31 00-0131		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0126)		
28 21 31 00-0132	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	921.28	32.47
28 21 31 00-0133	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	849.06	32.47
28 21 31 00-0134	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	788.30	32.47
28 21 31 00-0135	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	881.16	32.47
28 21 31 00-0136	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	959.11	32.47
28 21 31 00-0137	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	1,058.85	32.47
28 21 31 00-0138		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 31 00-0126)		
28 21 31 00-0139	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	814.67	32.47
28 21 31 00-0140	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	918.99	32.47
28 21 31 00-0141		Camera Systems (28 21 31 00-0002)		
28 21 31 00-0142		Camera Dome Systems (28 21 31 00-0141)		
28 21 31 00-0143		Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0142)		
28 21 31 00-0144		Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0143) Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0145		Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0146		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)		
28 21 31 00-0147	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	3,402.31	194.78
28 21 31 00-0148	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	3,872.33	194.78
28 21 31 00-0149	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	4,083.27	194.78
28 21 31 00-0150	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	5,660.72	194.78
28 21 31 00-0151		Color, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)		
28 21 31 00-0152	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	2,869.23	194.78
28 21 31 00-0153	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	3,106.54	194.78
28 21 31 00-0154	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	3,318.62	194.78
28 21 31 00-0155	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	3,440.14	194.78
28 21 31 00-0156	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	3,440.14	194.78
28 21 31 00-0157	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	3,604.08	194.78
28 21 31 00-0158	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	4,075.25	194.78
28 21 31 00-0159	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	4,287.33	194.78
28 21 31 00-0160	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	4,408.85	194.78

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0161	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	4,408.85	194.78
28 21 31 00-0162		Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)		
28 21 31 00-0163	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	4,192.18	194.78
28 21 31 00-0164	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	4,663.35	194.78
28 21 31 00-0165	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	4,875.43	194.78
28 21 31 00-0166	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	4,996.95	194.78
28 21 31 00-0167	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	4,996.95	194.78
28 21 31 00-0168		Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0145)		
28 21 31 00-0169	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	3,806.99	194.78
28 21 31 00-0170	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	4,045.44	194.78
28 21 31 00-0171	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	4,256.38	194.78
28 21 31 00-0172	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	4,377.90	194.78
28 21 31 00-0173	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	4,377.90	194.78
28 21 31 00-0174	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	4,578.52	194.78
28 21 31 00-0175	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	4,953.39	194.78
28 21 31 00-0176	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	5,164.33	194.78
28 21 31 00-0177	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	5,285.84	194.78
28 21 31 00-0178	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	5,285.84	194.78
28 21 31 00-0179		Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0180		Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0179)		
28 21 31 00-0181	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	3,725.59	194.78
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0182	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	3,929.65	194.78
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0183	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	4,092.44	194.78
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0184	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	4,623.23	194.78
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0185	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	4,827.28	194.78
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0186	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	4,991.22	194.78
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0187		Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0179)		
28 21 31 00-0188	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	4,663.35	194.78
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0189	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	4,867.41	194.78
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0190	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	5,031.34	194.78
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0191	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	5,501.37	194.78
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0192	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	5,704.28	194.78
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0193	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	5,868.22	194.78
		<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0194		Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0195		Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0194)		
28 21 31 00-0196	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	6,168.57	194.78
28 21 31 00-0197	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	7,006.59	194.78
28 21 31 00-0198		Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)		
28 21 31 00-0199		Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0200	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	5,363.80	194.78
28 21 31 00-0201		Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)		
28 21 31 00-0202	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	4,669.08	194.78

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST	
28 21 31 00-0203	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....		5,567.86		194.78
28 21 31 00-0204		Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)				
28 21 31 00-0205	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....		6,155.96		194.78
28 21 31 00-0206		Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)				
28 21 31 00-0207	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....		5,607.98		194.78
28 21 31 00-0208	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....		6,444.85		194.78
28 21 31 00-0209		Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0144)				
28 21 31 00-0210		Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0209)				
28 21 31 00-0211	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B).....		2,151.59		194.78
28 21 31 00-0212		Spectra® IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0143) Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.				
28 21 31 00-0213		Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0212)				
28 21 31 00-0214		Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0213)				
28 21 31 00-0215	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....		3,962.90		194.78
28 21 31 00-0216	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....		4,174.98		194.78
28 21 31 00-0217	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E).....		4,296.50		194.78
28 21 31 00-0218	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....		4,296.50		194.78
28 21 31 00-0219	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1).....		4,931.61		194.78
28 21 31 00-0220	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....		5,143.69		194.78
28 21 31 00-0221	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1).....		5,265.21		194.78
28 21 31 00-0222	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1).....		5,265.21		194.78
28 21 31 00-0223		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0213)				
28 21 31 00-0224	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1).....		5,519.71		194.78
28 21 31 00-0225	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1).....		5,731.79		194.78
28 21 31 00-0226	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1).....		5,853.31		194.78
28 21 31 00-0227	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1).....		5,853.31		194.78
28 21 31 00-0228		Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0212)				
28 21 31 00-0229		Color, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0228)				
28 21 31 00-0230	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1).....		4,581.95		194.78
		For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0231	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1).....		4,786.01		194.78
		For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0232	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1).....		4,948.80		194.78
		For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0233	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1).....		5,479.59		194.78
		For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0234	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1).....		5,683.65		194.78
		For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0235	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1).....		5,847.58		194.78
		For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0236		Day/Night, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0228)				
28 21 31 00-0237	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1).....		5,519.71		194.78
		For Protective Lower Dome Cage, Add		34.65		
28 21 31 00-0238	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1).....		5,723.77		194.78
		For Protective Lower Dome Cage, Add		34.65		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0239 EA 18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1).....	5,887.70	194.78
For Protective Lower Dome Cage, Add	34.65	
28 21 31 00-0240 EA 35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1).....	6,357.73	194.78
For Protective Lower Dome Cage, Add	34.65	
28 21 31 00-0241 EA 35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1).....	6,560.64	194.78
For Protective Lower Dome Cage, Add	34.65	
28 21 31 00-0242 EA 35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1).....	6,724.58	194.78
For Protective Lower Dome Cage, Add	34.65	
28 21 31 00-0243 Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0212)		
28 21 31 00-0244 Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 31 00-0243)		
28 21 31 00-0245 EA 16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N16-PSGE1).....	5,525.44	194.78
28 21 31 00-0246 EA 22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N22-PSGE1).....	6,424.22	194.78
28 21 31 00-0247 Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 31 00-0243)		
28 21 31 00-0248 EA 23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N23-PSGE1).....	7,012.32	194.78
28 21 31 00-0249 Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems (28 21 31 00-0243)		
28 21 31 00-0250 EA 18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	6,464.34	194.78
28 21 31 00-0251 EA 35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	7,301.22	194.78
28 21 31 00-0252 Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0212)		
28 21 31 00-0253 Color, Miniature Spectra® IP Network, Mini Camera Dome Systems (28 21 31 00-0252)		
28 21 31 00-0254 EA 10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-10-W1).....	2,704.15	194.78
28 21 31 00-0255 Spectra®, Pan/Tilt Dome Drives (28 21 31 00-0143)		
Note: Includes dome drive, camera and lens.		
28 21 31 00-0256 EA 10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4).....	2,000.67	162.32
28 21 31 00-0257 EA 10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N).....	2,550.94	162.32
28 21 31 00-0258 EA 22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22).....	3,230.75	162.32
28 21 31 00-0259 EA 16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16).....	2,536.04	162.32
28 21 31 00-0260 EA 22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22).....	3,433.67	162.32
28 21 31 00-0261 EA 18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18).....	3,473.79	162.32
28 21 31 00-0262 EA 23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23).....	4,021.77	162.32
28 21 31 00-0263 EA 35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35).....	4,311.81	162.32
28 21 31 00-0264 EA 35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35).....	4,311.81	162.32
28 21 31 00-0265 Accessories For Spectra® Pan/Tilt Camera Dome Systems (28 21 31 00-0143)		
28 21 31 00-0266 EA Upgrade To Chrome Lower Dome (Pelco Spectra).....	161.64	
28 21 31 00-0267 EA Upgrade To Gold Lower Dome (Pelco Spectra).....	210.94	
28 21 31 00-0268 EA Wall Mount For Spectra® Systems (Pelco IWM-BK).....	174.62	16.23
28 21 31 00-0269 EA 24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK).....	441.73	16.23
28 21 31 00-0270 EA Wall Arm Mount For Spectra® Systems (Pelco IDM4018).....	170.04	16.23
28 21 31 00-0271 EA Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS).....	304.75	16.23
28 21 31 00-0272 EA Pole Mount Adapter For Spectra® Systems (Pelco PA402).....	114.19	9.66
28 21 31 00-0273 Camclosure®, Camera Dome Systems (28 21 31 00-0142)		
28 21 31 00-0274 Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0273)		
28 21 31 00-0275 Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0274)		
28 21 31 00-0276 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0275)		
28 21 31 00-0277 EA 12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12).....	796.54	194.78
28 21 31 00-0278 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22).....	865.33	194.78
28 21 31 00-0279 EA 12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12).....	962.77	194.78
28 21 31 00-0280 EA 12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12).....	962.77	194.78

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 21 31 00-0281		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0275)		
28 21 31 00-0282	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22).....	975.38	194.78
28 21 31 00-0283	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22).....	1,064.80	194.78
28 21 31 00-0284	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22).....	1,064.80	194.78
28 21 31 00-0285		Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0275)		
28 21 31 00-0286	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22).....	1,119.83	194.78
28 21 31 00-0287	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22).....	1,341.08	194.78
28 21 31 00-0288	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22).....	1,341.08	194.78
28 21 31 00-0289		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 31 00-0275)		
28 21 31 00-0290	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22).....	1,225.30	194.78
28 21 31 00-0291	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22).....	1,367.45	194.78
28 21 31 00-0292		Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0274)		
28 21 31 00-0293		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0292)		
28 21 31 00-0294	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6).....	883.35	129.86
28 21 31 00-0295		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0292)		
28 21 31 00-0296	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22).....	1,012.89	129.86
28 21 31 00-0297		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0292)		
28 21 31 00-0298	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	1,116.07	129.86
28 21 31 00-0299		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 31 00-0292)		
28 21 31 00-0300	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22).....	1,167.66	129.86
28 21 31 00-0301		Camclosure® IS Integrated Cameras (28 21 31 00-0274)		
28 21 31 00-0302	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12).....	619.68	129.86
28 21 31 00-0303	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22).....	619.68	129.86
28 21 31 00-0304	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22).....	721.71	129.86
28 21 31 00-0305	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	997.99	129.86
28 21 31 00-0306	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22).....	1,024.36	129.86
28 21 31 00-0307		Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0273)		
28 21 31 00-0308		Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0307)		
28 21 31 00-0309		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0308)		
28 21 31 00-0310	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12).....	683.05	194.78
28 21 31 00-0311	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T).....	732.34	194.78
28 21 31 00-0312	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12).....	929.52	194.78
28 21 31 00-0313	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12).....	929.52	194.78
28 21 31 00-0314		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 31 00-0308)		
28 21 31 00-0315	EA	3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A).....	1,150.78	194.78
28 21 31 00-0316		Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0307)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0317 Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 31 00-0316)		
28 21 31 00-0318 EA 12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12).....	799.66	129.86
28 21 31 00-0319 Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0307)		
28 21 31 00-0320 High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0319)		
28 21 31 00-0321 EA 9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	1,064.80	194.78
28 21 31 00-0322 Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0319)		
28 21 31 00-0323 EA 9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22).....	1,167.98	194.78
28 21 31 00-0324 Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0319)		
28 21 31 00-0325 EA 9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22).....	1,297.52	194.78
28 21 31 00-0326 Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 31 00-0319)		
28 21 31 00-0327 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	1,349.11	194.78
28 21 31 00-0328 Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0273)		
28 21 31 00-0329 Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0328)		
28 21 31 00-0330 High Resolution Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)		
28 21 31 00-0331 EA 3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,917.72	194.78
28 21 31 00-0332 EA 9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,917.72	194.78
28 21 31 00-0333 Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)		
28 21 31 00-0334 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	2,059.87	194.78
28 21 31 00-0335 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	2,059.87	194.78
28 21 31 00-0336 Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)		
28 21 31 00-0337 EA 3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	2,278.84	194.78
28 21 31 00-0338 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	2,278.84	194.78
28 21 31 00-0339 Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 31 00-0329)		
28 21 31 00-0340 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	2,433.60	194.78
28 21 31 00-0341 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	2,433.60	194.78
28 21 31 00-0342 Accessories For Camclosure® Camera Dome Systems (28 21 31 00-0273)		
28 21 31 00-0343 EA 4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	40.12	9.73
28 21 31 00-0344 EA 4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP).....	40.12	9.73
28 21 31 00-0345 EA Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	53.11	16.23
28 21 31 00-0346 EA Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	85.20	16.23
28 21 31 00-0347 EA 2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P).....	88.26	9.73
28 21 31 00-0348 EA Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG).....	85.20	16.23
28 21 31 00-0349 EA Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM).....	108.13	16.23
28 21 31 00-0350 EA Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A).....	289.61	32.47
28 21 31 00-0351 EA Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	289.61	32.47
28 21 31 00-0352 EA Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	289.61	32.47
28 21 31 00-0353 EA Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	289.61	32.47
28 21 31 00-0354 EA Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	102.40	16.23
28 21 31 00-0355 EA Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	116.51	32.47
28 21 31 00-0356 EA Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD).....	116.51	32.47
28 21 31 00-0357 EA Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	116.51	32.47
28 21 31 00-0358 EA Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	116.51	32.47
28 21 31 00-0359 EA Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD).....	116.51	32.47
28 21 31 00-0360 EA Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	116.51	32.47

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 21 31 00-0361	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC).....	339.00	44.34
28 21 31 00-0362	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P).....	72.59	16.23
28 21 31 00-0363	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW).....	124.18	16.23
28 21 31 00-0364	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P).....	72.59	16.23
28 21 31 00-0365	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW).....	124.18	16.23
28 21 31 00-0366	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC).....	1,788.18	194.78

28 21 31 00-0367 Pan/Tilt Camera Systems (28 21 31 00-0141)**28 21 31 00-0368 Esprit® CBZ, Pan/Tilt Camera Systems (28 21 31 00-0367)**

Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.

28 21 31 00-0369 EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 31 00-0368)**28 21 31 00-0370 Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 31 00-0369)**

28 21 31 00-0371	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N).....	5,070.21	292.17
28 21 31 00-0372	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N).....	5,759.20	292.17
28 21 31 00-0373	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N).....	6,714.15	292.17
28 21 31 00-0374	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN).....	5,218.10	292.17
28 21 31 00-0375	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN).....	5,938.04	292.17
28 21 31 00-0376	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN).....	6,892.99	292.17

28 21 31 00-0377 Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems (28 21 31 00-0369)

28 21 31 00-0378	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W).....	5,117.22	292.17
28 21 31 00-0379	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W).....	5,806.20	292.17
28 21 31 00-0380	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W).....	6,761.15	292.17
28 21 31 00-0381	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW).....	5,266.25	292.17
28 21 31 00-0382	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW).....	5,985.04	292.17
28 21 31 00-0383	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....	6,939.99	292.17

28 21 31 00-0384 Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0367)**28 21 31 00-0385 DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0384)****28 21 31 00-0386 Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0385)**

28 21 31 00-0387	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	5,249.05	292.17
28 21 31 00-0388	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	5,938.04	292.17
28 21 31 00-0389	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	6,892.99	292.17
28 21 31 00-0390	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	5,396.94	292.17
28 21 31 00-0391	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	6,116.88	292.17
28 21 31 00-0392	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	7,071.83	292.17

28 21 31 00-0393 Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems (28 21 31 00-0385)

28 21 31 00-0394	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	5,296.05	292.17
28 21 31 00-0395	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	5,985.04	292.17
28 21 31 00-0396	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	6,939.99	292.17
28 21 31 00-0397	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	5,445.09	292.17
28 21 31 00-0398	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	6,163.88	292.17
28 21 31 00-0399	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	7,118.83	292.17

28 21 31 00-0400 Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0367)**28 21 31 00-0401 High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0400)****28 21 31 00-0402 Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0401)**

28 21 31 00-0403	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	4,949.84	292.17
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0404	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	5,638.83	292.17
28 21 31 00-0405	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	6,593.78	292.17
28 21 31 00-0406	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	5,098.87	292.17
28 21 31 00-0407	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	5,817.67	292.17
28 21 31 00-0408	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	6,772.62	292.17
28 21 31 00-0409		Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems (28 21 31 00-0401)		
28 21 31 00-0410	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	4,997.99	292.17
28 21 31 00-0411	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	5,685.83	292.17
28 21 31 00-0412	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	6,641.93	292.17
28 21 31 00-0413	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	5,031.24	292.17
28 21 31 00-0414	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	5,145.88	292.17
28 21 31 00-0415	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	5,864.67	292.17
28 21 31 00-0416	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	6,820.77	292.17
28 21 31 00-0417		Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0418		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0417)		
28 21 31 00-0419		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0418)		
28 21 31 00-0420	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N).....	5,924.28	292.17
28 21 31 00-0421	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N).....	6,879.23	292.17
28 21 31 00-0422	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....	5,384.33	292.17
28 21 31 00-0423	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....	6,103.12	292.17
28 21 31 00-0424	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....	7,058.07	292.17
28 21 31 00-0425		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems (28 21 31 00-0418)		
28 21 31 00-0426	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W).....	5,283.44	292.17
28 21 31 00-0427	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W).....	5,971.28	292.17
28 21 31 00-0428	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W).....	6,927.38	292.17
28 21 31 00-0429	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW).....	5,431.33	292.17
28 21 31 00-0430	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW).....	6,150.12	292.17
28 21 31 00-0431	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW).....	7,106.22	292.17
28 21 31 00-0432		Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0433		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0432)		
28 21 31 00-0434		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0433)		
28 21 31 00-0435	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N).....	7,031.70	292.17
28 21 31 00-0436	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN).....	5,535.65	292.17
28 21 31 00-0437	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN).....	7,210.54	292.17
28 21 31 00-0438		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 31 00-0433)		
28 21 31 00-0439	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W).....	5,434.77	292.17
28 21 31 00-0440	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W).....	7,079.85	292.17
28 21 31 00-0441	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW).....	5,583.80	292.17
28 21 31 00-0442	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW).....	6,302.59	292.17
28 21 31 00-0443	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW).....	7,258.69	292.17
28 21 31 00-0444		Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0445		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0444)		
28 21 31 00-0446		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0445)		
28 21 31 00-0447	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N).....	5,915.11	292.17

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 21 31 00-0448		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0445)		
28 21 31 00-0449	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	5,962.11	292.17
28 21 31 00-0450		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0444)		
28 21 31 00-0451		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0450)		
28 21 31 00-0452	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	7,031.70	292.17
28 21 31 00-0453	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	6,797.84	292.17
28 21 31 00-0454	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	7,732.15	292.17
28 21 31 00-0455		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 31 00-0450)		
28 21 31 00-0456	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	7,077.56	292.17
28 21 31 00-0457	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	6,797.84	292.17
28 21 31 00-0458	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	7,783.74	292.17
28 21 31 00-0459		Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0460		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0459)		
28 21 31 00-0461		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0460)		
28 21 31 00-0462	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	4,540.58	292.17
28 21 31 00-0463	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	5,658.32	292.17
28 21 31 00-0464	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	5,427.89	292.17
28 21 31 00-0465	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	6,155.85	292.17
28 21 31 00-0466		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 31 00-0460)		
28 21 31 00-0467	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	4,586.43	292.17
28 21 31 00-0468	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	5,705.32	292.17
28 21 31 00-0469	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	5,474.89	292.17
28 21 31 00-0470	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	6,207.44	292.17
28 21 31 00-0471		Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0472		Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0471)		
28 21 31 00-0473		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0472)		
28 21 31 00-0474	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	29,367.01	292.17
28 21 31 00-0475	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	31,583.01	292.17
28 21 31 00-0476	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	32,327.02	292.17
28 21 31 00-0477		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0472)		
28 21 31 00-0478	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	29,415.16	292.17
28 21 31 00-0479	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	31,630.01	292.17
28 21 31 00-0480	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	32,374.02	292.17
28 21 31 00-0481		Accessories For Esprit® Pan/Tilt Camera Systems (28 21 31 00-0367)		
28 21 31 00-0482	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	12.57	3.24
28 21 31 00-0483	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	72.59	16.23
28 21 31 00-0484	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	113.86	16.23
28 21 31 00-0485	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	144.82	16.23
28 21 31 00-0486	EA	Ground Isolation Transformer (Pelco GIT100)	419.25	44.34
28 21 31 00-0487	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	590.76	44.34
28 21 31 00-0488	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	502.94	44.34
28 21 31 00-0489	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	685.40	44.34
28 21 31 00-0490	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	388.30	44.34
28 21 31 00-0491	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	980.93	44.34
28 21 31 00-0492	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,581.70	44.34
28 21 31 00-0493	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,880.91	44.34
28 21 31 00-0494	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,948.55	44.34
28 21 31 00-0495	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	2,055.16	44.34
28 21 31 00-0496	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,501.72	44.35
28 21 31 00-0497	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,531.37	44.34
28 21 31 00-0498	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,559.83	44.34
28 21 31 00-0499	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	6,451.61	44.34
28 21 31 00-0500	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	6,630.45	44.34
28 21 31 00-0501	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	115.65	10.45
28 21 31 00-0502	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	115.65	10.45
28 21 31 00-0503		Camera Lenses (28 21 31 00-0002)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0504 Fixed Focus Camera Lenses (28 21 31 00-0503) Note: 1/3" format and manual focus.		
28 21 31 00-0505 Manual Iris, Fixed Focus Camera Lenses (28 21 31 00-0504)		
28 21 31 00-0506 EA 2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	184.76	15.23
28 21 31 00-0507 EA 2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	152.66	15.23
28 21 31 00-0508 EA 4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	136.61	15.23
28 21 31 00-0509 EA 8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	133.17	15.23
28 21 31 00-0510 Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0504) Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0511 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3).....	231.76	15.23
28 21 31 00-0512 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8).....	184.76	15.23
28 21 31 00-0513 EA 4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4).....	173.30	15.23
28 21 31 00-0514 EA 8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8).....	122.86	15.23
28 21 31 00-0515 Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0504) Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0516 EA 2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S).....	274.18	15.23
28 21 31 00-0517 EA 2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S).....	226.03	15.23
28 21 31 00-0518 EA 4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S).....	214.57	15.23
28 21 31 00-0519 EA 8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S).....	205.40	15.23
28 21 31 00-0520 Varifocal Camera Lenses (28 21 31 00-0503) Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0521 Manual Iris, Varifocal Camera Lenses (28 21 31 00-0520)		
28 21 31 00-0522 EA 1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	246.90	15.23
28 21 31 00-0523 EA 2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	216.86	15.23
28 21 31 00-0524 EA 2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	167.57	15.23
28 21 31 00-0525 EA 3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	146.93	15.23
28 21 31 00-0526 EA 5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	388.82	15.23
28 21 31 00-0527 EA 5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	192.11	15.23
28 21 31 00-0528 EA 5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	204.56	15.23
28 21 31 00-0529 Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520) Note: Includes spot filter.		
28 21 31 00-0530 EA 1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3).....	242.75	15.23
28 21 31 00-0531 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6).....	214.52	15.23
28 21 31 00-0532 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12).....	164.72	15.23
28 21 31 00-0533 EA 3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8).....	123.21	15.23
28 21 31 00-0534 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5).....	424.36	15.23
28 21 31 00-0535 EA 5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50).....	240.26	15.23
28 21 31 00-0536 Video Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520) Note: Includes spot filter.		
28 21 31 00-0537 EA 1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S).....	371.62	15.23
28 21 31 00-0538 EA 2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S).....	329.21	15.23
28 21 31 00-0539 EA 3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S).....	196.23	15.23
28 21 31 00-0540 EA 5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S).....	367.04	15.23
28 21 31 00-0541 Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520) Note: Includes spot filter.		
28 21 31 00-0542 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5).....	142.30	15.23
28 21 31 00-0543 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50).....	212.86	15.23
28 21 31 00-0544 Motorized Zoom Camera Lenses (28 21 31 00-0503) Note: 1/3" format.		
28 21 31 00-0545 Manual Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544)		
28 21 31 00-0546 EA 8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8).....	677.71	15.23
28 21 31 00-0547 EA 10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10).....	847.38	15.23
28 21 31 00-0548 EA 15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15).....	903.55	15.23
28 21 31 00-0549 Direct Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544) Note: Includes spot filter.		
28 21 31 00-0550 EA 6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8).....	562.35	15.23
28 21 31 00-0551 EA 10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10).....	649.51	15.23
28 21 31 00-0552 EA 15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15).....	998.71	15.23
28 21 31 00-0553 EA 20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20).....	1,112.72	15.23
28 21 31 00-0554 EA 30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30).....	2,206.01	15.23
28 21 31 00-0555 Video Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544) Note: Includes spot filter.		
28 21 31 00-0556 EA 8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S).....	694.91	15.23
28 21 31 00-0557 EA 10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S).....	827.89	15.23
28 21 31 00-0558 EA 15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S).....	1,041.12	15.23

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
28 21 31 00-0559	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S).....	1,516.88		15.23
28 21 31 00-0560	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S).....	2,471.83		15.23
28 21 31 00-0561		Camera Power Supplies (28 21 31 00-0002)			
28 21 31 00-0562	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000).....	46.61		12.99
28 21 31 00-0563	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000).....	81.00		12.99
28 21 31 00-0564	EA	2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2).....	321.74		25.97
28 21 31 00-0565	EA	5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5).....	372.61		38.96
28 21 31 00-0566	EA	10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10).....	420.99		51.95
		<i>For Switchable Outputs, Add</i>	190.27		
28 21 31 00-0567	EA	20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20).....	471.87		64.92
		<i>For Switchable Outputs, Add</i>	205.21		
28 21 31 00-0568		Camera Illuminators (28 21 31 00-0002)			
28 21 31 00-0569		Camera Illuminators (28 21 31 00-0568) Note: Includes lamp and mounting bracket.			
28 21 31 00-0570	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF).....	1,808.23		25.97
28 21 31 00-0571	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS).....	1,808.23		25.97
28 21 31 00-0572	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF).....	1,808.23		25.97
28 21 31 00-0573		Camera Illuminator Accessories (28 21 31 00-0568)			
28 21 31 00-0574	EA	Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56).....	149.39		25.97
28 21 31 00-0575		Camera Receivers (28 21 31 00-0002)			
28 21 31 00-0576	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP).....	1,751.37		44.34
28 21 31 00-0577	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP).....	1,751.37		44.34
28 21 31 00-0578		Pan And Tilt Drives (28 21 31 00-0002)			
28 21 31 00-0579	EA	15 Lb. Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P).....	1,241.44		97.39
28 21 31 00-0580	EA	40 Lb. Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P).....	1,576.19		97.39
		<i>For Preset Positioning, Add</i>	165.00		
28 21 31 00-0581	EA	100 Lb. Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P).....	3,332.48		97.39
		<i>For Preset Positioning, Add</i>	165.00		
28 21 31 00-0582	EA	100 Lb. Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC).....	3,808.23		97.39
		<i>For Preset Positioning, Add</i>	165.00		
28 21 31 00-0583	EA	100 Lb. Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL).....	4,406.65		97.39
		<i>For Preset Positioning, Add</i>	165.00		
28 21 31 00-0584	EA	100 Lb. Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX).....	5,679.16		97.39
		<i>For Preset Positioning, Add</i>	165.00		
28 21 31 00-0585		Scanners (28 21 31 00-0002)			
28 21 31 00-0586	EA	35 Lb. Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24).....	1,416.84		97.39
		<i>For Wall Mount, Add</i>	39.05		
		<i>For Pressure Sensor Alarm, Add</i>	51.15		
28 21 31 00-0587	EA	35 Lb. Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20).....	1,489.07		97.39
		<i>For Wall Mount, Add</i>	39.05		
		<i>For Pressure Sensor Alarm, Add</i>	51.15		
28 21 31 00-0588		Camera Monitors (28 21 31 00-0001)			
28 21 31 00-0589		Camera Monitors (28 21 31 00-0588)			
28 21 31 00-0590		Monochrome Camera Monitors (28 21 31 00-0589)			
28 21 31 00-0591	EA	9" Monochrome Camera Monitor (Pelco PMM9A).....	276.26		19.48
28 21 31 00-0592	EA	12" Monochrome Camera Monitor (Pelco PMM12A).....	316.39		19.48
28 21 31 00-0593	EA	15" Monochrome Camera Monitor (Pelco PMM15A).....	486.06		19.48
28 21 31 00-0594	EA	20" Monochrome Camera Monitor (Pelco PMM20A).....	782.97		19.48
28 21 31 00-0595		Color Camera Monitors (28 21 31 00-0589)			
28 21 31 00-0596	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A).....	883.86		19.48
28 21 31 00-0597	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A).....	716.48		19.48
28 21 31 00-0598	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A).....	1,042.06		19.48
28 21 31 00-0599	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A).....	1,385.98		19.48
28 21 31 00-0600		LCD Camera Monitors (28 21 31 00-0588)			
28 21 31 00-0601		VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) (28 21 31 00-0600) Note: Displays VGA computer signals.			
28 21 31 00-0602	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217).....	999.64		19.48
28 21 31 00-0603	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219).....	1,302.29		19.48
28 21 31 00-0604		Multimode, Color LCD Camera Monitors (Pelco 300 Series) (28 21 31 00-0600) Note: Displays VGA computer signals and/or composite video signals.			
28 21 31 00-0605	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315).....	1,137.21		19.48
28 21 31 00-0606	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317).....	1,361.91		19.48

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0607 EA 19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,676.02	19.48
28 21 31 00-0608 Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) (28 21 31 00-0600) Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0609 EA 15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	1,460.50	19.48
28 21 31 00-0610 EA 17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,694.36	19.48
28 21 31 00-0611 EA 19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	2,126.55	19.48
28 21 31 00-0612 Camera Monitor Mounting Accessories (28 21 31 00-0588)		
28 21 31 00-0613 Camera Monitor Mounts (28 21 31 00-0612)		
28 21 31 00-0614 EA Up To 14", Camera Monitor Mount (Pelco)	338.55	25.97
28 21 31 00-0615 EA >14" To 17", Camera Monitor Mount (Pelco)	394.72	25.97
28 21 31 00-0616 EA >17" To 21", Camera Monitor Mount (Pelco)	463.51	25.97
28 21 31 00-0617 Camera Monitor Rack Mount Kits (28 21 31 00-0612)		
28 21 31 00-0618 EA Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	204.42	25.97
28 21 31 00-0619 Video Transmission Equipment (28 21 31 00-0001)		
28 21 31 00-0620 UTP Cable, Video Transmission Equipment (28 21 31 00-0619)		
28 21 31 00-0621 UTP Cable, Active Video Receivers (28 21 31 00-0620)		
28 21 31 00-0622 EA Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	426.04	32.47
28 21 31 00-0623 EA Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	1,472.70	32.47
28 21 31 00-0624 EA Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	2,899.97	32.47
28 21 31 00-0625 EA Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	4,765.16	32.47
28 21 31 00-0626 EA Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	5,564.20	32.47
28 21 31 00-0627 UTP Cable, Passive Video Transceivers (28 21 31 00-0620)		
28 21 31 00-0628 EA Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	123.39	32.47
28 21 31 00-0629 EA Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	426.04	32.47
28 21 31 00-0630 EA Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	788.30	32.47
28 21 31 00-0631 EA Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	1,501.36	32.47
28 21 31 00-0632 EA Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	2,938.94	32.47
28 21 31 00-0633 UTP Cable, Active Video Transmitters (28 21 31 00-0620)		
28 21 31 00-0634 EA Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	445.52	32.47
28 21 31 00-0635 Fiber Optics, Video Transmission Equipment (28 21 31 00-0619)		
28 21 31 00-0636 Data Only, Fiber Optics Transmission Equipment (28 21 31 00-0635)		
28 21 31 00-0637 Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0636)		
28 21 31 00-0638 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	2,592.33	64.92
28 21 31 00-0639 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	1,058.44	64.92
28 21 31 00-0640 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,894.17	64.92
28 21 31 00-0641 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	1,306.07	64.92
28 21 31 00-0642 Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0636)		
28 21 31 00-0643 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	2,592.33	64.92
28 21 31 00-0644 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	1,058.44	64.92
28 21 31 00-0645 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,894.17	64.92
28 21 31 00-0646 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	1,306.07	64.92
28 21 31 00-0647 Video Only, Fiber Optics Transmission Equipment (28 21 31 00-0635)		
28 21 31 00-0648 Digitally Encoded Video, Fiber Optics Transmitters (28 21 31 00-0647)		
28 21 31 00-0649 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	1,150.16	64.92
28 21 31 00-0650 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	501.29	64.92
28 21 31 00-0651 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	3,189.60	64.92
28 21 31 00-0652 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,917.10	64.92
28 21 31 00-0653 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	5,225.61	64.92
28 21 31 00-0654 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	4,345.17	64.92
28 21 31 00-0655 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	12,975.27	64.92
28 21 31 00-0656 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	11,548.00	64.92
28 21 31 00-0657 Digitally Encoded Video, Fiber Optics Receivers (28 21 31 00-0647)		
28 21 31 00-0658 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	1,150.16	64.92
28 21 31 00-0659 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	501.29	64.92
28 21 31 00-0660 EA Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,964.10	64.92
28 21 31 00-0661 EA Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	795.92	64.92
28 21 31 00-0662 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	3,189.60	64.92
28 21 31 00-0663 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,917.10	64.92
28 21 31 00-0664 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	5,225.61	64.92

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
28 21 31 00-0665	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M).....	4,345.17	64.92	
28 21 31 00-0666	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S).....	12,975.27	64.92	
28 21 31 00-0667	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M).....	11,548.00	64.92	
28 21 31 00-0668		Video And Data, Fiber Optics Transmission Equipment (28 21 31 00-0635)			
28 21 31 00-0669		Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 21 31 00-0668)			
28 21 31 00-0670	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS).....	1,983.59	64.92	
28 21 31 00-0671	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM).....	1,182.26	64.92	
28 21 31 00-0672	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S).....	4,619.16	64.92	
28 21 31 00-0673	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M).....	3,998.96	64.92	
28 21 31 00-0674	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S).....	7,477.14	64.92	
28 21 31 00-0675	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M).....	5,420.50	64.92	
28 21 31 00-0676		Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers (28 21 31 00-0668)			
28 21 31 00-0677	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	1,983.59	64.92	
28 21 31 00-0678	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM).....	1,182.26	64.92	
28 21 31 00-0679	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S).....	4,619.16	64.92	
28 21 31 00-0680	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	3,998.96	64.92	
28 21 31 00-0681	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S).....	7,477.14	64.92	
28 21 31 00-0682	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	5,420.50	64.92	
28 21 31 00-0683		Video, Audio And Data, Fiber Optics Transmission Equipment (28 21 31 00-0635)			
28 21 31 00-0684		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters (28 21 31 00-0683)			
28 21 31 00-0685	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S).....	2,555.64	64.92	
28 21 31 00-0686	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M).....	2,032.88	64.92	
28 21 31 00-0687		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 31 00-0683)			
28 21 31 00-0688	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S).....	2,555.64	64.92	
28 21 31 00-0689	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M).....	2,032.88	64.92	
28 21 31 00-0690		Video Amplifiers (28 21 31 00-0619)			
28 21 31 00-0691		Video Distribution Amplifiers (28 21 31 00-0690)			
28 21 31 00-0692	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT).....	315.63	16.23	
28 21 31 00-0693	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA)..... Note: Inserts time-date and title on up to 16 video inputs.	2,567.16	16.23	
28 21 31 00-0694		Video Equalizing Amplifiers (28 21 31 00-0690)			
28 21 31 00-0695	EA	Video Equalizing Amplifier (Pelco EA2010).....	343.14	16.23	
28 21 31 00-0696	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000).....	539.18	16.23	
28 21 31 00-0697		Network Video Equipment (28 21 31 00-0001)			
28 21 31 00-0698		Video Encoders/Decoders (28 21 31 00-0697)			
28 21 31 00-0699	EA	MPEG4 IP Video Receiver (Pelco NET300R).....	1,271.67	32.47	
28 21 31 00-0700	EA	MPEG4 IP Video Transmitter (Pelco NET300T).....	1,271.67	32.47	
28 21 31 00-0701	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R).....	1,464.27	32.47	
28 21 31 00-0702	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T).....	1,464.27	32.47	
28 21 31 00-0703		Network Video Recorders (28 21 31 00-0697)			
28 21 31 00-0704	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316).....	8,069.83	64.92	
28 21 31 00-0705	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332).....	9,391.63	64.92	
28 21 31 00-0706	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364).....	12,037.52	64.92	
28 21 31 00-0707	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300).....	7,970.09	64.92	
28 21 31 00-0708		Network Video Recorder Software (28 21 31 00-0697)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0709	EA	10	User, License Pack (Pelco VMX300-LIC-10).....	797.89	
28 21 31 00-0710	EA	20	User, License Pack (Pelco VMX300-LIC-20).....	1,438.73	
28 21 31 00-0711	EA	50	User, License Pack (Pelco VMX300-LIC-50).....	3,195.02	
28 21 31 00-0712	EA	100	User, License Pack (Pelco VMX300-LIC-100).....	5,588.70	
28 21 31 00-0713	EA	10	User, Enterprise License Pack (Pelco VMX300-E-LIC10).....	1,332.12	
28 21 31 00-0714	EA	20	User, Enterprise License Pack (Pelco VMX300-E-LIC20).....	2,395.98	
28 21 31 00-0715	EA	50	User, Enterprise License Pack (Pelco VMX300-E-LIC50).....	5,325.03	
28 21 31 00-0716	EA	100	User, Enterprise License Pack (Pelco VMX300-E-LIC100).....	9,316.79	
28 21 31 00-0717	EA	200	User, Enterprise License Pack (Pelco VMX300-E-LIC200).....	15,970.50	
28 21 31 00-0718	EA	500	User, Enterprise License Pack (Pelco VMX300-E-LIC500).....	33,270.82	
28 21 31 00-0719	EA	0	Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0).....	7,182.04	
28 21 31 00-0720	EA	1	Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1).....	7,625.70	
28 21 31 00-0721	EA	4	Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4).....	12,063.41	
28 21 31 00-0722	EA	0	Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0).....	7,981.08	
28 21 31 00-0723	EA	1	Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1).....	8,424.74	
28 21 31 00-0724	EA	4	Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4).....	12,860.16	
28 21 31 00-0725	EA	0	Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0).....	7,715.12	
28 21 31 00-0726	EA	1	Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1).....	8,159.92	
28 21 31 00-0727	EA	4	Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4).....	12,596.49	
28 21 31 00-0728	EA	0	Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0).....	9,044.94	
28 21 31 00-0729	EA	1	Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1).....	9,488.60	
28 21 31 00-0730	EA	4	Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4).....	13,926.31	
28 21 31 00-0731			Video Recording Equipment (28 21 31 00-0001)		
28 21 31 00-0732			Digital Video Recorders (28 21 31 00-0731)		
28 21 31 00-0733	EA	8	Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A).....	12,638.23	64.92
28 21 31 00-0734	EA	8	Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A).....	17,331.59	64.92
28 21 31 00-0735	EA	8	Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A).....	22,026.10	64.92
28 21 31 00-0736	EA	16	Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A).....	15,216.48	64.92
28 21 31 00-0737	EA	16	Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A).....	19,909.85	64.92
28 21 31 00-0738	EA	16	Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A).....	24,604.35	64.92
28 21 31 00-0739	EA	24	Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A).....	16,634.58	64.92
28 21 31 00-0740	EA	24	Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A).....	21,327.94	64.92
28 21 31 00-0741	EA	24	Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A).....	26,022.45	64.92
28 21 31 00-0742	EA	32	Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A).....	19,212.83	64.92
28 21 31 00-0743	EA	32	Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A).....	23,906.20	64.92
28 21 31 00-0744	EA	32	Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A).....	28,600.70	64.92
28 21 31 00-0745	EA	16	Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500).....	13,951.20	64.92
28 21 31 00-0746			Digital Video Recorder Accessories (28 21 31 00-0731)		
28 21 31 00-0747	EA	16	Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16).....	1,230.40	32.47
28 21 31 00-0748			Matrix Systems And Controls (28 21 31 00-0001)		
28 21 31 00-0749			Video Multiplexers (28 21 31 00-0748)		
28 21 31 00-0750			Monochrome Duplex, Video Multiplexers (28 21 31 00-0749)		
28 21 31 00-0751	EA	9	Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD).....	2,324.07	64.92
28 21 31 00-0752	EA	16	Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD).....	2,196.82	64.92
28 21 31 00-0753			Color Duplex, Video Multiplexers (28 21 31 00-0749)		
28 21 31 00-0754	EA	4	Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD).....	1,570.88	64.92
28 21 31 00-0755	EA	9	Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD).....	2,993.57	64.92
28 21 31 00-0756	EA	16	Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD).....	3,244.63	64.92
28 21 31 00-0757			Color Simplex, Video Multiplexers (28 21 31 00-0749)		
28 21 31 00-0758	EA	9	Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS).....	2,516.66	64.92
28 21 31 00-0759	EA	16	Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS).....	2,938.54	64.92
28 21 31 00-0760			Video Multiplexer Accessories (28 21 31 00-0749)		
28 21 31 00-0761	EA		Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000).....	1,387.96	44.34
28 21 31 00-0762	EA		Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002).....	817.05	44.34
28 21 31 00-0763	EA		Video Multiplexer Server (Pelco MX4000SVR).....	2,324.07	64.92
28 21 31 00-0764			Quad Video Processor (28 21 31 00-0748)		
28 21 31 00-0765	EA		Monochrome, Quad Video Processor (Pelco QD104M).....	719.51	32.47

28 Electronic Safety and Security**28 20 Video Surveillance****28 21 Surveillance Cameras**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 21 31 00-0766	EA	Color, Quad Video Processor (Pelco QD104C).....	1,178.07	32.47
28 21 31 00-0767		Switcher (28 21 31 00-0748)		
28 21 31 00-0768		Terminating Manual Switchers (28 21 31 00-0767)		
28 21 31 00-0769		Terminating Manual Switchers (28 21 31 00-0768)		
28 21 31 00-0770	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	250.28	25.97
28 21 31 00-0771	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	339.70	25.97
28 21 31 00-0772	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	413.07	25.97
28 21 31 00-0773	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	675.59	25.97
28 21 31 00-0774		Audio Follow, Terminating Manual Switchers (28 21 31 00-0768)		
28 21 31 00-0775	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	323.65	25.97
28 21 31 00-0776	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	570.12	25.97
28 21 31 00-0777	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	995.44	25.97
28 21 31 00-0778		Balanced Audio Follow, Terminating Manual Switchers (28 21 31 00-0768)		
28 21 31 00-0779	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	432.55	25.97
28 21 31 00-0780	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	792.52	25.97
28 21 31 00-0781		Looping Manual Switchers (28 21 31 00-0767)		
28 21 31 00-0782		Looping Manual Switchers (28 21 31 00-0781)		
28 21 31 00-0783	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	280.08	25.97
28 21 31 00-0784	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	384.41	25.97
28 21 31 00-0785	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	489.87	25.97
28 21 31 00-0786	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	807.43	25.97
28 21 31 00-0787		Audio Follow, Looping Manual Switchers (28 21 31 00-0781)		
28 21 31 00-0788	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	348.87	25.97
28 21 31 00-0789	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	609.10	25.97
28 21 31 00-0790	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	836.09	25.97
28 21 31 00-0791		Balanced Audio Follow, Looping Manual Switchers (28 21 31 00-0781)		
28 21 31 00-0792	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	463.51	25.97
28 21 31 00-0793	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	839.53	25.97
28 21 31 00-0794	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	1,056.20	25.97
28 21 31 00-0795		Sequential Switchers (28 21 31 00-0767)		
28 21 31 00-0796		Single Output, Sequential Switchers (28 21 31 00-0795)		
28 21 31 00-0797	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104).....	491.02	25.97
28 21 31 00-0798	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108).....	731.77	25.97
28 21 31 00-0799		Dual Outputs, Sequential Switchers (28 21 31 00-0795)		
28 21 31 00-0800	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	613.69	25.97
28 21 31 00-0801	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	849.84	25.97
28 21 31 00-0802		Controls (28 21 31 00-0748)		
28 21 31 00-0803		Direct/Multi-Cable Controls (28 21 31 00-0802)		
28 21 31 00-0804	EA	Scanner Control Module (Pelco MPS524DT)	423.34	64.92
28 21 31 00-0805	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	452.00	64.92
28 21 31 00-0806	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	501.29	64.92
28 21 31 00-0807	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT).....	524.22	64.92
28 21 31 00-0808	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	826.87	64.92
28 21 31 00-0809	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	910.56	64.92
28 21 31 00-0810		Coaxitron Controls (28 21 31 00-0802)		
28 21 31 00-0811	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000).....	603.82	44.34
28 21 31 00-0812	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000).....	1,143.78	44.34
28 21 31 00-0813	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008).....	1,298.54	44.34
28 21 31 00-0814		Digital Controls (28 21 31 00-0802)		
28 21 31 00-0815	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A).....	811.32	44.34
28 21 31 00-0816	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A).....	1,376.49	44.34
28 21 31 00-0817		Lock Boxes (28 21 31 00-0748)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0818 EA VCR Lock Box (Pelco LB1000)..... <i>For Wall Mount, Add</i>	497.48 165.00	48.69
28 21 31 00-0819 EA Computer Disk Drive Lock Box (Pelco LB2000)	508.95	48.69
28 21 31 00-0820 EA VCR And Multiplexer Lock Box (Pelco LB3000)..... Note: Includes storage for 32 VCR tapes.	933.12	48.69
28 21 31 00-0821 Test And Certification Of Surveillance Camera System (28 21 31)		
28 21 31 00-0822 DAY Test And Certification Of Surveillance Camera System To Tie Into Existing Systems	1,031.11	
28 21 31 00-0823 HR Test And Certification Of Surveillance Camera System.....	322.22	
28 21 31 00-0824 Programming Of Surveillance Camera System (28 21 31)		
28 21 31 00-0825 HR Programming Of Surveillance Camera (CCTV) System	257.78	
28 21 31 00-0826 Removal And Reinstallation Of Cameras (28 21 31)		
Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0827 EA Removal And Reinstallation Of Camera System	584.35	

28 40 Life Safety (28)

Note: Includes testing of new devices and certification.

28 41 Radiation Detection and Alarm (28 40)

28 41 15 Radiation Detection Sensors (28 41)

28 41 15 00-0001	Wall Mount, Battery Operated, Home Radon Detector (28 41 15)	
Note: Long term and 7 day average display.		
28 41 15 00-0002 EA	Wall Mount, Battery Operated, Home Radon Detector	213.77

28 42 Gas Detection and Alarm (28 40)

28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems (28 42)

28 42 11 00-0001	Monitoring System For Underground Tanks (28 42 11)	
28 42 11 00-0002	Continuous Leak Detection System (28 42 11 00-0001)	
Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 11 00-0003 EA	Single Channel Underground Tank Monitoring System	9,901.21 531.59
28 42 11 00-0004 EA	2 Channel Underground Tank Monitoring System	13,360.62 709.23
28 42 11 00-0005 EA	3 Channel Underground Tank Monitoring System	18,948.96 759.79
28 42 11 00-0006 EA	4 Channel Underground Tank Monitoring System	20,279.46 1,063.19
28 42 11 00-0007 EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	14,371.32 90.76
28 42 11 00-0008 EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	12,960.17 81.04
28 42 11 00-0009 EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	17,045.14 90.76
28 42 11 00-0010 EA	Tank Leak Detection Probe	5,277.88 19.45
28 42 11 00-0011 EA	Secondary Containment Collar Probe	643.28 7.78
28 42 11 00-0012 EA	Interstitial Leak Detection Probe	1,178.73 16.20
28 42 11 00-0013 EA	Liquid Phase Detection	3,890.87 48.62
28 42 11 00-0014 EA	Hydrocarbon Vapor, Fixed	3,590.75 48.62
28 42 11 00-0015 EA	Hydrocarbon Vapor, Float Mounted	4,197.13 55.10
28 42 11 00-0016 EA	Liquid And Vapor Hydrocarbon	4,797.38 55.10

28 42 15 Gas Detection Sensors (28 42)

28 42 15 00-0001	Hydrogen Gas Detection (28 42 15)	
28 42 15 00-0002 EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	2,078.03 48.69
28 42 15 00-0003 EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	109.93 16.23
28 42 15 00-0004 EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	528.93 48.69

28 43 Fuel Oil Detection and Alarm (28 40)

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection and Alarm (28 40)

28 46 13 Fire-Alarm Systems (28 46)

28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems (28 46 13)

Note: Includes programming of equipment, testing and certification of new devices.

28 46 13 31-0001	Edwards Fire Alarm (28 46 13 31)	
28 46 13 31-0002	EST3 Life Safety And Security Control (28 46 13 31-0001)	
28 46 13 31-0003	EST3 Network (28 46 13 31-0002)	
28 46 13 31-0004	Remote Annunciators (28 46 13 31-0003)	
28 46 13 31-0005 EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN)..... Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,679.79 97.39
28 46 13 31-0006 EA	Six Position Base Annunciator (EST3 3-6ANN)..... Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,369.13 97.39

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
28 46 13 31-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN).....	1,731.37	97.39	
		Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.			
28 46 13 31-0008	EA	Annunciator CPU (EST3 3-ANNCPU3).....	1,103.96	97.39	
		Note: One Required per graphic annunciator.			
28 46 13 31-0009	EA	Annunciator Support Module (EST3 3-ANNSM).....	203.27	32.47	
		Note: Takes one space in Annunciator box. Supports one Control/Display module.			
28 46 13 31-0010	EA	Liquid Crystal Display Module (EST3 3-LCD).....	710.14	97.39	
		Note: Mounts over 3-CPU(1).			
28 46 13 31-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL).....	641.65	97.39	
		Note: Mounts over 3-ANNCPU plus two spaces.			
28 46 13 31-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA).....	800.95	97.39	
		Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.			
28 46 13 31-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	933.00	64.92	
		Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.			
28 46 13 31-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX).....	141.60	32.47	
		Note: Mounts up to three 3-EVDVRA modules.			
28 46 13 31-0015	EA	Central Processor Unit Module (EST3 3-CPU3).....	1,989.11	97.39	
		Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.			
28 46 13 31-0016	EA	120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3).....	1,754.80	32.47	
		Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.			
28 46 13 31-0017 Remote Annunciators Cabinets (28 46 13 31-0003)					
28 46 13 31-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCMB/B).....	152.63	32.47	
28 46 13 31-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCMB/B-S).....	139.66	25.97	
28 46 13 31-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B).....	172.10	32.47	
28 46 13 31-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S).....	159.13	25.97	
28 46 13 31-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B).....	190.36	32.47	
28 46 13 31-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	177.39	25.97	
28 46 13 31-0024 Audio And Telephone Masters (28 46 13 31-0003)					
28 46 13 31-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	5,472.31	129.86	
28 46 13 31-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	3,047.91	129.86	
28 46 13 31-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,725.97	129.86	
28 46 13 31-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	2,881.22	129.86	
28 46 13 31-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	3,290.28	129.86	
28 46 13 31-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95).....	1,672.54	64.92	
28 46 13 31-0031 Battery Distribution Unit (28 46 13 31-0003)					
28 46 13 31-0032	EA	Battery Distribution Unit (EST3 3-BTSEN).....	605.21	475.36	
28 46 13 31-0033 Remote Booster Power Supply (28 46 13 31-0003)					
28 46 13 31-0034	EA	6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A).....	952.51	97.39	
28 46 13 31-0035	EA	10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10).....	1,087.33	97.39	
28 46 13 31-0036	EA	10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220).....	1,186.67	97.39	
28 46 13 31-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP).....	155.90	32.47	
28 46 13 31-0038 Batteries And Battery Cabinets (28 46 13 31-0003)					
28 46 13 31-0039	EA	1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours)).....	118.87	32.47	
28 46 13 31-0040	EA	4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours)).....	148.16	32.47	
28 46 13 31-0041	EA	24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours)).....	350.23	32.47	
28 46 13 31-0042	EA	6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours)).....	159.89	32.47	
28 46 13 31-0043	EA	40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours)).....	444.04	32.47	
28 46 13 31-0044	EA	10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours)).....	249.85	32.47	
28 46 13 31-0045	EA	50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours)).....	901.07	32.47	
28 46 13 31-0046	EA	17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours)).....	255.89	32.47	
28 46 13 31-0047	EA	65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours)).....	1,084.84	32.47	
28 46 13 31-0048	EA	8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours)).....	142.45	32.47	
28 46 13 31-0049	EA	10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours)).....	127.82	32.47	
28 46 13 31-0050	EA	14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1).....	456.62	64.92	
		Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.			
28 46 13 31-0051	EA	22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2).....	377.74	64.92	
		Note: Holds up to two 12V17A batteries.			
28 46 13 31-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R).....	1,290.22	129.86	
28 46 13 31-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R).....	1,600.78	129.86	
28 46 13 31-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R).....	2,244.77	129.86	
28 46 13 31-0055 Serial Printer (28 46 13 31-0003)					
28 46 13 31-0056	EA	System Printer - Desk Top Style (EST3 PT-1S).....	873.54	32.47	
28 46 13 31-0057 Intelligent Analog Initiating Devices (28 46 13 31-0002)					
28 46 13 31-0058 Detectors, Signature (28 46 13 31-0057)					
28 46 13 31-0059	EA	Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS).....	274.05	48.69	
28 46 13 31-0060	EA	Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB).....	308.14	48.69	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0061 EA Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS).....	263.89	48.69
28 46 13 31-0062 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	233.42	48.69
28 46 13 31-0063 EA Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	243.58	48.69
28 46 13 31-0064 EA 135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS)	199.44	48.69
28 46 13 31-0065 EA 135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS)	199.44	48.69
28 46 13 31-0066 EA Passive Infrared Motion Detector (EST3 SIGA-MD).....	317.21	48.69
28 46 13 31-0067 EA Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	350.49	48.69
28 46 13 31-0068 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	295.42	48.69
28 46 13 31-0069 EA Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS).....	427.50	48.69
28 46 13 31-0070 EA 135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS)	246.12	48.69
28 46 13 31-0071 EA 135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS)	246.12	48.69
28 46 13 31-0072 EA Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS)	339.80	48.69
28 46 13 31-0073 Detectors, Duct Housings and Accessories, Signature (28 46 13 31-0057)		
28 46 13 31-0074 EA Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD).....	554.81	81.16
28 46 13 31-0075 EA Superduct, Test Magnet Kit (EST3 SD-MAG).....	23.91	
28 46 13 31-0076 EA Superduct, 120" Air Sample Tube (EST3 SD-T120).....	72.77	19.48
28 46 13 31-0077 EA Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	144.81	25.97
28 46 13 31-0078 EA Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	196.37	25.97
28 46 13 31-0079 EA High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	85.99	25.97
28 46 13 31-0080 Modules, Signature (28 46 13 31-0057)		
28 46 13 31-0081 EA Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB).....	258.53	32.47
28 46 13 31-0082 EA Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	114.14	32.47
28 46 13 31-0083 EA Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2).....	148.47	32.47
28 46 13 31-0084 EA Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	231.35	32.47
28 46 13 31-0085 EA Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1).....	161.42	32.47
28 46 13 31-0086 EA Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	168.54	32.47
28 46 13 31-0087 EA Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR).....	132.27	32.47
Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).		
28 46 13 31-0088 EA Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	200.95	32.47
28 46 13 31-0089 EA Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S).....	268.86	32.47
28 46 13 31-0090 EA Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO).....	262.04	32.47
28 46 13 31-0091 EA Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	251.88	32.47
28 46 13 31-0092 EA Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	230.82	198.37
28 46 13 31-0093 EA Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1).....	168.57	32.47
Note: Factory programmed for non-latching monitor operation.		
28 46 13 31-0094 EA Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	269.97	32.47
28 46 13 31-0095 Module Accessories, Signature (28 46 13 31-0057)		
Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0096 EA Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	66.59	16.23
28 46 13 31-0097 EA Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	228.06	32.47
28 46 13 31-0098 EA Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, - UM And -MAB Modules (EST3 235196P)	24.56	9.73
28 46 13 31-0099 EA Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1- Gang Signature Modules (EST3 SIGA-MP1)	78.35	16.23
28 46 13 31-0100 EA Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1- Gang Signature Modules (EST3 SIGA-MP2)	69.91	16.23
28 46 13 31-0101 EA Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	73.24	16.23
28 46 13 31-0102 Single Action Pull Stations, Signature (28 46 13 31-0057)		
28 46 13 31-0103 EA One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	282.84	67.52
28 46 13 31-0104 EA Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	333.80	67.52
28 46 13 31-0105 EA GA Key - For Pre Signal Station (EST3 276-K2)	38.87	32.37
28 46 13 31-0106 EA 20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	48.68	42.18
28 46 13 31-0107 EA Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	73.96	47.98
28 46 13 31-0108 Double Action Pull Stations, Signature (28 46 13 31-0057)		
28 46 13 31-0109 EA Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	206.93	67.52
28 46 13 31-0110 EA 12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	49.41	6.49
28 46 13 31-0111 Detector Bases and Accessories, Signature (28 46 13 31-0057)		
Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0112 EA Audible (Sounder) Base (EST3 SIGA-AB4G).....	141.97	16.23
28 46 13 31-0113 EA Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB).....	52.95	16.23
28 46 13 31-0114 EA Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	177.33	16.23
28 46 13 31-0115 EA Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	100.55	16.23
28 46 13 31-0116 EA Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	117.52	16.23

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0117	EA	Detector Mounting Plate (EST3 SIGA-DMP) Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.	185.45	16.23
28 46 13 31-0118	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	66.59	16.23
28 46 13 31-0119	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	24.70	9.73
28 46 13 31-0120	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	24.70	9.73
28 46 13 31-0121	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	70.58	9.73
28 46 13 31-0122	EA	Detector Base With Isolator (EST3 SIGA-IB).....	115.80	16.23
28 46 13 31-0123	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	123.08	16.23
28 46 13 31-0124	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB).....	66.15	16.23
28 46 13 31-0125	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	103.11	16.23
28 46 13 31-0126	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4).....	43.48	16.23

28 46 13 31-0127 Controllers, Signature (28 46 13 31-0057)

28 46 13 31-0128	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	3,924.45	97.39
28 46 13 31-0129	EA	Single Signature Loop Controller (EST3 3-SSDC1).....	2,250.11	97.39
28 46 13 31-0130	EA	Signature Loop Controller (EST3 3-SDC1).....	2,021.57	97.39
28 46 13 31-0131	EA	Analog Addressable Loop Controller (EST3 3-AADC1).....	3,239.43	97.39

28 46 13 31-0132 Relays And Accessories (28 46 13 31-0057)

28 46 13 31-0133	EA	Multi Voltage Relay (EST3 MR101).....	208.68	32.47
28 46 13 31-0134	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	62.26	16.23

28 46 13 31-0135 Notification Appliances (28 46 13 31-0002)**28 46 13 31-0136 Wall Strobes, Horns And Chimes** (28 46 13 31-0135)

28 46 13 31-0137	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	170.01	48.69
28 46 13 31-0138	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	170.01	48.69
28 46 13 31-0139	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM).....	193.66	48.69
28 46 13 31-0140	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	143.36	48.69
28 46 13 31-0141	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	143.36	48.69
28 46 13 31-0142	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	143.36	48.69
28 46 13 31-0143	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	143.36	48.69
28 46 13 31-0144	EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P).....	120.97	48.69
28 46 13 31-0145	EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P).....	120.97	48.69
28 46 13 31-0146	EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P).....	120.97	48.69
28 46 13 31-0147	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM).....	290.20	48.69
28 46 13 31-0148	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM).....	290.20	48.69
28 46 13 31-0149	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	190.78	48.69
28 46 13 31-0150	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	190.78	48.69
28 46 13 31-0151	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	170.01	48.69
28 46 13 31-0152	EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM).....	170.01	48.69
28 46 13 31-0153	EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM).....	170.01	48.69
28 46 13 31-0154	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	170.01	48.69
28 46 13 31-0155	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	176.66	48.69
28 46 13 31-0156	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM).....	176.66	48.69
28 46 13 31-0157	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VMH).....	192.21	48.69
28 46 13 31-0158	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	176.66	48.69
28 46 13 31-0159	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH).....	176.66	48.69
28 46 13 31-0160	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	106.41	48.69
28 46 13 31-0161	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	106.41	48.69

28 46 13 31-0162 Wall Speakers And Speaker Strobes (28 46 13 31-0135)

28 46 13 31-0163	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	141.35	48.69
28 46 13 31-0164	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	216.37	48.69
28 46 13 31-0165	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	141.35	48.69
28 46 13 31-0166	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	216.37	48.69
28 46 13 31-0167	EA	Surface Box, White, For Genesis Speaker (EST3 G4B).....	70.23	25.97
28 46 13 31-0168	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB).....	70.23	25.97

28 46 13 31-0169 Ceiling Speakers And Speaker Strobes (28 46 13 31-0135)

28 46 13 31-0170	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	168.56	48.69
28 46 13 31-0171	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	216.37	48.69
28 46 13 31-0172	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH).....	231.51	48.69

28 46 13 31-0173 Harsh Environment Signals (28 46 13 31-0135)

28 46 13 31-0174	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	149.94	48.69
28 46 13 31-0175	EA	15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T).....	209.65	48.69
28 46 13 31-0176	EA	110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T).....	209.65	48.69
28 46 13 31-0177	EA	15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T).....	191.90	48.69
28 46 13 31-0178	EA	15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T).....	180.10	48.69
28 46 13 31-0179	EA	30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T).....	191.90	48.69
28 46 13 31-0180	EA	60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T).....	191.90	48.69
28 46 13 31-0181	EA	110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T).....	191.90	48.69

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0182	EA	15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	212.21	55.19
28 46 13 31-0183	EA	110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	212.21	55.19
28 46 13 31-0184	EA	15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T).....	157.14	48.69
28 46 13 31-0185	EA	30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T).....	203.98	48.69
28 46 13 31-0186		Fire Alarm Bells (28 46 13 31-0135)		
28 46 13 31-0187	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW).....	226.21	48.69
28 46 13 31-0188	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW).....	181.62	48.69
28 46 13 31-0189	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW).....	200.65	48.69
28 46 13 31-0190		Multiple Tone Signal (28 46 13 31-0135)		
28 46 13 31-0191	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW).....	1,435.44	1,386.74
28 46 13 31-0192		Multi-Purpose Loudspeaker (28 46 13 31-0135)		
28 46 13 31-0193	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	297.33	48.69
28 46 13 31-0194	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	297.33	48.69
28 46 13 31-0195		Bell/Strobe Plate (28 46 13 31-0135)		
28 46 13 31-0196	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	150.50	25.97
28 46 13 31-0197		Mounting Accessories (28 46 13 31-0135)		
28 46 13 31-0198	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	71.61	25.97
28 46 13 31-0199	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	71.61	25.97
28 46 13 31-0200	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	71.61	25.97
28 46 13 31-0201	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	71.61	25.97
28 46 13 31-0202	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	71.61	25.97
28 46 13 31-0203		Firefighters' Telephones (28 46 13 31-0135)		
28 46 13 31-0204	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	1,287.82	81.16
28 46 13 31-0205	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	725.08	81.16
28 46 13 31-0206	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	522.43	81.16
28 46 13 31-0207	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1).....	381.15	81.16
28 46 13 31-0208	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	699.86	81.16
28 46 13 31-0209	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A).....	431.57	81.16
28 46 13 31-0210	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4).....	789.17	81.16
28 46 13 31-0211	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	448.38	81.16
28 46 13 31-0212	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4).....	903.53	81.16
28 46 13 31-0213	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	99.11	25.97
28 46 13 31-0214	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	113.74	25.97
28 46 13 31-0215	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	158.52	
28 46 13 31-0216	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	158.52	
28 46 13 31-0217	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	240.49	32.47
28 46 13 31-0218	EA	Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2).....	298.72	32.47
28 46 13 31-0219	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	211.37	32.47
28 46 13 31-0220	EA	Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4).....	202.81	32.47
28 46 13 31-0221	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	150.59	48.69
28 46 13 31-0222	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	1,328.88	64.92
28 46 13 31-0223		Mass Notification EC Appliances (28 46 13 31-0135)		
28 46 13 31-0224	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	176.71	48.69
28 46 13 31-0225	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	170.66	48.69
28 46 13 31-0226	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	176.71	48.69
28 46 13 31-0227	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	170.66	48.69
28 46 13 31-0228	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	26.71	9.73
28 46 13 31-0229		Hazardous Location Devices (28 46 13 31-0002)		
28 46 13 31-0230		Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 13 31-0229)		
28 46 13 31-0231	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	153.68	48.69
28 46 13 31-0232	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	153.68	48.69
28 46 13 31-0233	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135).....	159.75	48.69
28 46 13 31-0234	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194).....	159.75	48.69
28 46 13 31-0235	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135).....	215.81	48.69
28 46 13 31-0236	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194).....	215.81	48.69
28 46 13 31-0237	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	159.75	48.69
28 46 13 31-0238	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	159.75	48.69

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 46 13 31-0239		Hazardous Locations Fire Alarm Station (28 46 13 31-0229)			
28 46 13 31-0240	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	1,364.12	81.16	
28 46 13 31-0241	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	1,298.82	81.16	
28 46 13 31-0242		Hazardous Location Strobes (28 46 13 31-0229)			
28 46 13 31-0243	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	2,024.17	48.69	
28 46 13 31-0244	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	378.12	16.23	
28 46 13 31-0245	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	494.59	19.48	
28 46 13 31-0246	EA	Pendant Mounting Module (EST3 116EX-P)	363.18	19.48	
28 46 13 31-0247		Hazardous Location Bells (28 46 13 31-0229)			
28 46 13 31-0248	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	1,461.31	48.69	
28 46 13 31-0249	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	1,499.11	48.69	
28 46 13 31-0250	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	1,512.72	48.69	
28 46 13 31-0251		Hazardous Location Horns (28 46 13 31-0229)			
28 46 13 31-0252	EA	Hazardous Location Horns (EST3 888D-N5)	1,428.74	48.69	
28 46 13 31-0253	EA	Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW)	1,167.17	48.69	
28 46 13 31-0254		Door Holders And Relays (28 46 13 31-0002)			
28 46 13 31-0255		Electromagnetic Door Holders (28 46 13 31-0254)			
28 46 13 31-0256	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5)	257.36	48.69	
28 46 13 31-0257	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	333.22	48.69	
28 46 13 31-0258	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	218.62	48.69	
28 46 13 31-0259	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	218.62	48.69	
28 46 13 31-0260	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5)	222.13	48.69	
28 46 13 31-0261	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	225.46	48.69	
28 46 13 31-0262		Control Relays, Multi-Voltage (28 46 13 31-0254)			
28 46 13 31-0263	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	52.03	9.73	
28 46 13 31-0264		FireShield Plus (28 46 13 31-0002)			
28 46 13 31-0265		3 Zone System (28 46 13 31-0264)			
28 46 13 31-0266	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	1,398.82	389.57	
28 46 13 31-0267	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	2,036.39	519.41	
28 46 13 31-0268	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	1,398.82	389.57	
28 46 13 31-0269	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	2,036.39	519.41	
28 46 13 31-0270	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	97.84	16.23	
28 46 13 31-0271	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	97.84	16.23	
28 46 13 31-0272		5 Zone System (28 46 13 31-0264)			
28 46 13 31-0273	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	1,504.62	389.57	
28 46 13 31-0274	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	2,136.14	519.41	
28 46 13 31-0275	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	1,504.62	389.57	
28 46 13 31-0276	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	2,136.14	519.41	
28 46 13 31-0277	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	97.84	16.23	
28 46 13 31-0278	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	97.84	16.23	
28 46 13 31-0279		10 Zone System (28 46 13 31-0264)			
28 46 13 31-0280	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	2,172.42	519.41	
28 46 13 31-0281	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	2,809.99	649.27	
28 46 13 31-0282	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	2,127.08	519.41	
28 46 13 31-0283	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	2,809.99	649.27	
28 46 13 31-0284	EA	Semi-Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	114.21	16.23	
28 46 13 31-0285	EA	NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	208.86	32.47	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
28 46 13 31-0286		FireShield Plus Off Premise Communication Options (28 46 13 31-0264)			
28 46 13 31-0287	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	457.89		32.47
28 46 13 31-0288		FireShield Plus Remote LED Annunciators (28 46 13 31-0264)			
28 46 13 31-0289	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	195.48		48.69
28 46 13 31-0290	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A).....	195.48		48.69
28 46 13 31-0291	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	203.19		48.69
28 46 13 31-0292	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	39.14		9.73
28 46 13 31-0293	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	49.01		9.73
28 46 13 31-0294	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	72.71		9.73
28 46 13 31-0295		FireShield Plus Remote 10 Zone LED Annunciators (28 46 13 31-0264)			
28 46 13 31-0296	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	611.28		48.69
28 46 13 31-0297	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	671.74		48.69
28 46 13 31-0298	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	216.06		32.47
28 46 13 31-0299		FireShield Plus Remote Relays And Interfaces (28 46 13 31-0264)			
28 46 13 31-0300	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	228.40		32.47
28 46 13 31-0301	EA	11" Snap Track Holds 2-4 RRRs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	94.65		19.48
28 46 13 31-0302	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	364.18		32.47
28 46 13 31-0303		FireShield Plus Accessories (28 46 13 31-0264)			
28 46 13 31-0304	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	21.29		
28 46 13 31-0305	EA	4.7k UL End Of Line Resistor With Firesield Panels (EST3 EOL47PK7).....	13.02		
28 46 13 31-0306		iO Series Fire Control Panels (28 46 13 31-0002)			
28 46 13 31-0307		Intelligent Analog Control Panels (28 46 13 31-0306)			
28 46 13 31-0308	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G).....	4,193.17		649.27
28 46 13 31-0309	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	4,486.39		649.27
28 46 13 31-0310	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G)	3,347.29		519.41
28 46 13 31-0311	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	3,483.32		519.41
28 46 13 31-0312		Option Modules And Accessories For iO Series (28 46 13 31-0306)			
28 46 13 31-0313	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	399.68		48.69
28 46 13 31-0314	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	248.53		48.69
28 46 13 31-0315	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	248.53		48.69
28 46 13 31-0316	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	216.06		32.47
28 46 13 31-0317	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	444.92		25.97
28 46 13 31-0318	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	807.67		25.97
28 46 13 31-0319	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	95.95		16.23
28 46 13 31-0320	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	111.06		16.23
28 46 13 31-0321	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	1,490.15		64.92
28 46 13 31-0322		Remote Annunciators For iO Series (28 46 13 31-0306)			
28 46 13 31-0323	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	815.31		48.69
28 46 13 31-0324	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	853.11		48.69
28 46 13 31-0325		Remote Annunciator Accessories (28 46 13 31-0306)			
28 46 13 31-0326	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073).....	92.93		16.23
28 46 13 31-0327	EA	12 Expander Cable (Cable Only) (EST3 7120313-01).....	62.70		16.23
28 46 13 31-0328	EA	24 Expander Cable (Cable Only) (EST3 7120313-02).....	85.36		16.23
28 46 13 31-0329	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1).....	248.53		48.69
28 46 13 31-0330	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2).....	286.31		48.69

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0331	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3).....	324.11	48.69
28 46 13 31-0332	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	62.70	16.23
28 46 13 31-0333	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	62.70	16.23
28 46 13 31-0334	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	128.74	16.23
28 46 13 31-0335		System Accessories (28 46 13 31-0306)		
28 46 13 31-0336	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1).....	456.62	64.92
28 46 13 31-0337	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	2,070.24	519.41
28 46 13 31-0338		Conventional Initiating Devices (28 46 13 31-0002)		
28 46 13 31-0339		Detectors, Heat, Double Pole (28 46 13 31-0338)		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0340	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	178.84	48.69
28 46 13 31-0341	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	178.84	48.69
28 46 13 31-0342	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	178.84	48.69
28 46 13 31-0343	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	178.84	48.69
28 46 13 31-0344		Detectors, Rate Compensation Heat, Accessories (28 46 13 31-0338)		
28 46 13 31-0345	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	109.92	48.69
28 46 13 31-0346	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	299.03	25.97
28 46 13 31-0347	EA	4" Weatherproof, Octagon Back Box And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	94.37	32.47
28 46 13 31-0348		Detectors, Heat, Fire-Lite (28 46 13 31-0338)		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	167.21	48.69
28 46 13 31-0350	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	167.21	48.69
28 46 13 31-0351		Audio Notification Systems (Standalone Voice Evacuation) (28 46 13 31-0002)		
28 46 13 31-0352		Audio Notification Panels (28 46 13 31-0351)		
28 46 13 31-0353	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	5,787.52	649.27
28 46 13 31-0354	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	5,787.52	649.27
28 46 13 31-0355	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	4,321.43	649.27
28 46 13 31-0356	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	4,321.43	649.27
28 46 13 31-0357	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	5,046.91	649.27
28 46 13 31-0358	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	5,046.91	649.27
28 46 13 31-0359		Audio Notification Expander Panels (28 46 13 31-0351)		
28 46 13 31-0360	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	4,442.34	649.27
28 46 13 31-0361	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR).....	4,442.34	649.27
28 46 13 31-0362	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	3,021.59	649.27
28 46 13 31-0363	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR).....	3,021.59	649.27
28 46 13 31-0364	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	3,852.88	649.27
28 46 13 31-0365	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR).....	3,852.88	649.27
28 46 13 31-0366		Audio Notification Output Accessories (28 46 13 31-0351)		
28 46 13 31-0367	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	168.50	16.23
28 46 13 31-0368	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A).....	745.07	32.47
28 46 13 31-0369	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B).....	745.07	32.47
28 46 13 31-0370	EA	Class A Converter (GE ANSZSC4A)	533.47	32.47
28 46 13 31-0371		Audio Notification Remote Microphone (28 46 13 31-0351)		
28 46 13 31-0372	EA	Microphone (GE ANSMIKE)	200.95	32.47
28 46 13 31-0373	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG).....	820.64	32.47
28 46 13 31-0374	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR).....	820.64	32.47

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0375	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP).....	183.61	16.23
28 46 13 31-0376	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR).....	100.47	16.23
28 46 13 31-0377		Audio Notification Accessories (28 46 13 31-0351)		
28 46 13 31-0378	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	336.98	32.47
28 46 13 31-0379	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP).....	336.98	32.47
28 46 13 31-0380	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA).....	336.98	32.47
28 46 13 31-0381	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANRSI8)	745.07	32.47
28 46 13 31-0382		Audio Notification Modules, Without Cabinet And Transformer (28 46 13 31-0351)		
28 46 13 31-0383	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A)	2,714.42	64.92
		Note: Excludes cabinet.		
28 46 13 31-0384	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM).....	2,850.45	64.92
		Note: Excludes cabinet.		
28 46 13 31-0385	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)	3,938.68	64.92
		Note: Excludes cabinet.		
28 46 13 31-0386	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A)	1,490.15	64.92
		Note: Excludes cabinet.		
28 46 13 31-0387	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM)	1,490.15	64.92
		Note: Excludes cabinet.		
28 46 13 31-0388	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD).....	2,714.42	64.92
28 46 13 31-0389	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A)	2,170.30	64.92
		Note: Excludes cabinet.		
28 46 13 31-0390	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM)	2,306.33	64.92
		Note: Excludes cabinet.		
28 46 13 31-0391	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD).....	3,394.56	64.92
		Note: Excludes cabinet.		
28 46 13 31-0392	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180).....	168.50	16.23
28 46 13 31-0393	EA	Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	124.73	16.23
28 46 13 31-0394		Simplex Fire Alarm (28 46 13 31)		
28 46 13 31-0395		4100 Fire Alarm Control Panel (28 46 13 31-0394)		
28 46 13 31-0396	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACs, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	7,175.50	648.28
28 46 13 31-0397	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	7,831.92	648.28
28 46 13 31-0398	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	11,269.90	648.28
28 46 13 31-0399	EA	Up To 127 Points, IDNet Module, (Simplex 4100-3104).....	4,595.92	648.28
		Note: Add-on module.		
28 46 13 31-0400	EA	Up To 64 Points, IDNet Module, (Simplex 4100-3105)	3,594.84	648.28
		Note: Add-on module.		
28 46 13 31-0401	EA	Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101)	2,288.66	162.07
		Note: Add-on module.		
28 46 13 31-0402	EA	Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033)	478.76	32.42
		Note: Add-on module.		
28 46 13 31-0403	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038).....	1,374.52	32.42
		Note: Add-on module.		
28 46 13 31-0404		4100U Back Box (28 46 13 31-0394)		
28 46 13 31-0405	EA	2 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9425)	2,383.29	129.66
		Note: 24" x 40" beige backbox.		
28 46 13 31-0406	EA	3 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9443)	3,357.21	129.66
		Note: 24" x 56" beige backbox.		
28 46 13 31-0407		DACT (Digital Alarm Communicator Transmitter) (28 46 13 31-0394)		
28 46 13 31-0408	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	1,304.98	64.82
28 46 13 31-0409		4010 Fire Alarm Control Panel (28 46 13 31-0394)		
28 46 13 31-0410	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	6,773.09	648.28
28 46 13 31-0411	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201).....	6,573.48	648.28
28 46 13 31-0412	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	246.08	32.42
28 46 13 31-0413	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	1,070.57	32.42
28 46 13 31-0414	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	1,472.16	32.42
28 46 13 31-0415	EA	120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	756.06	32.42
28 46 13 31-0416	EA	240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	818.23	32.42

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

UNIT COST

DEMOLITION

UNIT COST

28 46 13 31-0417	EA	Battery Meter Module Expansion Module (Simplex 4010-9820).....	306.48	32.42
28 46 13 31-0418		Printer (28 46 13 31-0394)		
28 46 13 31-0419	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013).....	2,371.43	32.42
28 46 13 31-0420		NAC Panel / Power Booster (28 46 13 31-0394)		
28 46 13 31-0421	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201)	1,530.25	162.07
		Note: Power supply for horns and strobes.		
28 46 13 31-0422		Battery (28 46 13 31-0394)		
28 46 13 31-0423	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296)	958.52	32.42
		Note: Two required for 24 volt DC.		
28 46 13 31-0424	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276)	636.46	32.42
		Note: Two required for 24 volt DC.		
28 46 13 31-0425	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272)	228.54	32.42
		Note: Two required for 24 volt DC.		
28 46 13 31-0426		Interface Modules (28 46 13 31-0394)		
28 46 13 31-0427	EA	Supervised Individual Addressable Modules (Simplex 4090-9001)	184.28	32.42
		Note: Monitor modules for waterflow / tamper, etc.		
28 46 13 31-0428	EA	Relay Individual Addressable Modules (Simplex 4090-9002)	383.07	32.42
		Note: Control modules for gas shutdown, door holders, etc.		
28 46 13 31-0429	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032)	90.62	32.42
		Note: Interface relay for 120VAC		
28 46 13 31-0430	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	186.47	32.42
28 46 13 31-0431	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	82.92	16.20
28 46 13 31-0432	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	78.72	16.20
28 46 13 31-0433		Pull Stations (28 46 13 31-0394)		
28 46 13 31-0434	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	226.92	32.42
28 46 13 31-0435	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	161.64	32.42
28 46 13 31-0436	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	174.25	32.42
28 46 13 31-0437	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	155.95	32.42
28 46 13 31-0438	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	182.68	32.42
28 46 13 31-0439	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	278.73	32.42
28 46 13 31-0440	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	233.18	32.42
28 46 13 31-0441	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	275.28	32.42
28 46 13 31-0442	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	126.56	32.42
28 46 13 31-0443	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	134.26	32.42
28 46 13 31-0444	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	159.07	32.42
28 46 13 31-0445	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	249.23	32.42
28 46 13 31-0446	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	433.62	32.42
28 46 13 31-0447	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	140.59	32.42
28 46 13 31-0448	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	87.15	16.20
28 46 13 31-0449		Weatherproof Pull Stations (28 46 13 31-0394)		
28 46 13 31-0450	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	220.93	38.90
28 46 13 31-0451	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	143.07	16.20
28 46 13 31-0452		Heat / Smoke Sensor (28 46 13 31-0394)		
28 46 13 31-0453	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	221.23	48.62
28 46 13 31-0454	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	324.56	48.62
28 46 13 31-0455	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	640.57	16.20
28 46 13 31-0456	EA	Standard Sensor Base (Simplex 4098-9792)	324.71	16.20
28 46 13 31-0457	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)	185.05	32.42
		Note: Relay for 4098-9791		
28 46 13 31-0458		Explosion Proof Heat Detector (28 46 13 31-0394)		
28 46 13 31-0459	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	234.45	48.62
28 46 13 31-0460	EA	Explosion Proof Back Box (Killark JLX-21)	154.51	16.20
28 46 13 31-0461	EA	Explosion Proof Back Box Plugs (Killark CUP-2)	13.94	3.24
28 46 13 31-0462		Weatherproof Heat Detector (28 46 13 31-0394)		
28 46 13 31-0463	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	168.06	48.62
28 46 13 31-0464		200 Degree F Heat Detector (28 46 13 31-0394)		
28 46 13 31-0465	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604)	138.38	48.62
		Note: Used in kiln rooms and kitchens.		

MINOR			TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION			UNIT COST		UNIT COST	
28 46 13 31-0466 Duct Smoke Sensor (28 46 13 31-0394)						
28 46 13 31-0467	EA	Duct Sensor Housing (Simplex 4098-9755).....	516.64		25.93	
28 46 13 31-0468	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	694.37		58.34	
28 46 13 31-0469	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	76.33		16.20	
28 46 13 31-0470	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806).....	180.58		48.62	
28 46 13 31-0471 Interior Horn (28 46 13 31-0394)						
28 46 13 31-0472	EA	Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	166.77		48.62	
28 46 13 31-0473	EA	White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	166.77		48.62	
28 46 13 31-0474 Interior Horn Strobe (28 46 13 31-0394)						
28 46 13 31-0475	EA	75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426)	232.43		48.62	
28 46 13 31-0476	EA	110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427)	232.43		48.62	
28 46 13 31-0477	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	217.45		48.62	
28 46 13 31-0478	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	217.45		48.62	
28 46 13 31-0479	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	217.45		48.62	
28 46 13 31-0480	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	217.45		48.62	
28 46 13 31-0481	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	222.47		48.62	
28 46 13 31-0482	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	222.47		48.62	
28 46 13 31-0483	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	231.30		48.62	
28 46 13 31-0484	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	227.23		48.62	
28 46 13 31-0485	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	231.30		48.62	
28 46 13 31-0486	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	227.23		48.62	
28 46 13 31-0487	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	217.45		48.62	
28 46 13 31-0488	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	217.45		48.62	
28 46 13 31-0489	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	217.45		48.62	
28 46 13 31-0490	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	217.45		48.62	
28 46 13 31-0491 Interior Strobe (28 46 13 31-0394)						
28 46 13 31-0492	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	185.63		48.62	
28 46 13 31-0493	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	185.63		48.62	
28 46 13 31-0494	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	185.56		48.62	
28 46 13 31-0495	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	185.63		48.62	
28 46 13 31-0496	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	204.66		48.62	
28 46 13 31-0497	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	204.66		48.62	
28 46 13 31-0498	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	205.88		48.62	
28 46 13 31-0499	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	209.20		48.62	
28 46 13 31-0500	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	209.20		48.62	
28 46 13 31-0501	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	209.20		48.62	
28 46 13 31-0502	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	185.63		48.62	
28 46 13 31-0503	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	185.63		48.62	
28 46 13 31-0504	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	185.63		48.62	
28 46 13 31-0505	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	185.63		48.62	
28 46 13 31-0506 Interior Speakers (28 46 13 31-0394)						
28 46 13 31-0507	EA	Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	150.66		48.62	
28 46 13 31-0508	EA	White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	150.66		48.62	
28 46 13 31-0509	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	150.66		48.62	

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0510		Interior Speaker Strobe (28 46 13 31-0394)			
28 46 13 31-0511	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151).....	247.26	48.62	
28 46 13 31-0512	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	247.26	48.62	
28 46 13 31-0513		Surge Suppressors (28 46 13 31-0394)			
28 46 13 31-0514	EA	Overvoltage Suppressor (Simplex 2081-9044).....	161.15	9.72	
28 46 13 31-0515	EA	Isolated Loop Circuit Protector (Simplex 2081-9028).....	102.84	9.72	
28 46 13 31-0516	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A).....	345.92	9.72	
28 46 13 31-0517	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B).....	117.86	9.72	
28 46 13 31-0518	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB).....	177.52	16.20	
28 46 13 31-0519	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW).....	120.84	9.72	
28 46 13 31-0520	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP).....	90.79	9.72	
28 46 13 31-0521		Boxes And Adapters (28 46 13 31-0394)			
28 46 13 31-0522	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921).....	78.72	16.20	
28 46 13 31-0523	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925).....	74.51	16.20	
28 46 13 31-0524	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937).....	66.26	16.20	
28 46 13 31-0525	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940).....	54.55	16.20	
28 46 13 31-0526		Accessories (28 46 13 31-0394)			
28 46 13 31-0527	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008).....	37.31	16.20	
28 46 13 31-0528		Siemens Fire Alarm (28 46 13 31)			
28 46 13 31-0529		Conventional Control Panels (28 46 13 31-0528)			
28 46 13 31-0530		SXL Batteries And Power Supplies (28 46 13 31-0529)			
28 46 13 31-0531	EA	6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3).....	1,362.99	64.82	
28 46 13 31-0532	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB).....	1,096.98	64.82	
28 46 13 31-0533		Digital Fire Communicators (28 46 13 31-0529)			
28 46 13 31-0534	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129).....	1,061.91	64.82	
28 46 13 31-0535		Addressable Control Panels (28 46 13 31-0528)			
28 46 13 31-0536		Fireseeker Equipment (28 46 13 31-0535)			
28 46 13 31-0537		FS-250 System Panels (28 46 13 31-0536)			
28 46 13 31-0538	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT).....	3,250.56	648.28	
		Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.			
28 46 13 31-0539	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT).....	4,063.11	648.28	
		Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.			
28 46 13 31-0540	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT).....	2,415.68	518.62	
		Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.			
28 46 13 31-0541	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON).....	3,255.39	648.28	
28 46 13 31-0542		FS-250 Optional Modules (28 46 13 31-0536)			
28 46 13 31-0543	EA	Main Board Module (Siemens FS-MB2).....	1,372.67	64.82	
28 46 13 31-0544	EA	Display Board Module (Siemens FS-DB2).....	1,070.83	32.42	
28 46 13 31-0545	EA	Device Loop Card (Siemens FS-DLC).....	877.37	32.42	
28 46 13 31-0546	EA	Releasing Module (Siemens FS-REL).....	388.87	32.42	
28 46 13 31-0547	EA	Remote LCD Annunciator (Siemens FS-RD2).....	871.32	32.42	
28 46 13 31-0548	EA	Relay Processor Card (Siemens FS-RU2).....	756.45	32.42	
28 46 13 31-0549	EA	Relay Expander Board (Siemens FS-RE8).....	645.21	32.42	
28 46 13 31-0550	EA	Serial Annunciator Processor Card (Siemens FS-SAU2).....	871.32	32.42	
28 46 13 31-0551	EA	16 Output Annunciator Extender (Siemens FS-SAE16).....	679.07	32.42	
28 46 13 31-0552	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT).....	617.40	32.42	
28 46 13 31-0553	EA	Municipal Tie Module (Siemens FS-MT).....	524.30	32.42	
28 46 13 31-0554	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2).....	476.69		
28 46 13 31-0555	EA	Programming Cable Kit (Siemens CBL-UD).....	125.52	16.20	
28 46 13 31-0556	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE).....	225.64	32.42	
28 46 13 31-0557	EA	Releasing Power Transformer (Siemens FS-RPT-A).....	229.26	32.42	
28 46 13 31-0558	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB).....	259.84	25.93	
28 46 13 31-0559	EA	Cabinet Trim Kit (Siemens RD-CAB-TK).....	424.18	16.20	
28 46 13 31-0560		Firefinder Systems (28 46 13 31-0535)			
28 46 13 31-0561		XLS Basic Fire System Packages Without Back Box (28 46 13 31-0560)			

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
28 46 13 31-0562	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	11,484.01		648.28
28 46 13 31-0563	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	10,103.16		648.28
28 46 13 31-0564	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP)..... Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	10,103.16		648.28
28 46 13 31-0565	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	16,966.30		648.28
28 46 13 31-0566	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	17,539.43		648.28
28 46 13 31-0567	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	9,964.11		648.28
28 46 13 31-0568	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP)..... Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	9,964.11		648.28
28 46 13 31-0569	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	11,579.53		648.28
28 46 13 31-0570 Firefinder - XLS Basic System Equipment (28 46 13 31-0560)					
28 46 13 31-0571	EA	Person Machine Interface With Central Processor (Siemens PMI)..... Note: Includes inner door.	5,326.67		648.28
28 46 13 31-0572	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC)..... Note: Includes inner door.	8,894.87		648.28
28 46 13 31-0573	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT)..... Note: Includes inner door.	5,326.67		648.28
28 46 13 31-0574	EA	Two Slot Card Cage (Siemens CC-2).....	664.56		32.42
28 46 13 31-0575	EA	Five Slot Card Cage (Siemens CC-5).....	1,125.24		32.42
28 46 13 31-0576	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	1,608.90		32.42
28 46 13 31-0577	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	1,680.24		32.42
28 46 13 31-0578	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	529.13		32.42
28 46 13 31-0579	EA	Device Loop Card (Siemens DLC)..... Note: Interfaces with up to 252 detectors and devices.	1,907.56		32.42
28 46 13 31-0580	EA	Controllable Relay Card (Siemens CRC-6)..... Note: Provides six programmable relays.	1,079.30		32.42
28 46 13 31-0581	EA	12 Amperes Power Supply Charger Module (Siemens PSC-12).....	4,094.92		32.42
28 46 13 31-0582	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI)..... Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	6,939.67		648.28
28 46 13 31-0583	EA	Network Interface Card (Siemens NIC-C)..... Note: Provides HNET Or XNET communication between enclosures.	1,263.09		32.42
28 46 13 31-0584	EA	12 Amperes Power Supply Extender (Siemens PSX-12)..... Note: Extends PSC-12 with an additional 24 volt DC.	3,405.70		32.42
28 46 13 31-0585	EA	Power Termination Board (Siemens PTB)..... Note: Used with systems requiring more than one PSX-12.	572.66		32.42
28 46 13 31-0586	EA	Conventional Detector Card (Siemens CDC-4).....	1,217.14		32.42
28 46 13 31-0587	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	2,386.39		32.42
28 46 13 31-0588	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	8,586.91		32.42
28 46 13 31-0589 Remote Lobby Enclosure (28 46 13 31-0560)					
28 46 13 31-0590	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2)..... Note: Flush mounted. Includes clear lens plate on cover.	1,573.67		129.66
28 46 13 31-0591	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4)..... Note: Flush mounted. Includes clear lens plate on cover.	2,033.14		129.66
28 46 13 31-0592	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP)..... Note: Required to mount up to four SIM-16 or OCM-16 modules.	249.82		32.42
28 46 13 31-0593	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP)..... Note: Required to mount up to eight SIM-16 or OCM-16 modules.	272.79		32.42
28 46 13 31-0594 Battery Enclosures (28 46 13 31-0560)					
28 46 13 31-0595	EA	Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT).....	973.93		129.66
28 46 13 31-0596 Graphic Annunciator Output Drivers And Inputs (28 46 13 31-0560)					
28 46 13 31-0597	EA	Output Control Module (Siemens OCM-16).....	779.43		32.42
28 46 13 31-0598	EA	Supervised Input Module (Siemens SIM-16).....	779.43		32.42

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0599 Remote LCD Displays (28 46 13 31-0560)			
28 46 13 31-0600	EA	Remote LED/LCD System Status Display (Siemens SSD).....	1,806.28 97.24
		Note: No control or menu capability.	
28 46 13 31-0601	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	2,037.22 97.24
28 46 13 31-0602 Voice Equipment (28 46 13 31-0560)			
28 46 13 31-0603	EA	40 Watts Zone Amplifier Card (Siemens ZAC-40).....	1,796.32 32.42
28 46 13 31-0604	EA	180 Watts Zone Amplifier Module (Siemens ZAM-180).....	3,981.26 32.42
28 46 13 31-0605	EA	Live Voice Module (Siemens LVM).....	1,676.62 32.42
		Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	
28 46 13 31-0606 MXL Series Equipment (28 46 13 31-0535)			
28 46 13 31-0607 MXL Optional Equipment (28 46 13 31-0606)			
28 46 13 31-0608	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I).....	1,933.71 64.82
28 46 13 31-0609	EA	CXL/MXL Interface Module (Siemens CMI-300).....	4,998.15 32.42
28 46 13 31-0610	EA	Four Relay Programmable Relay Module (Siemens CRM-4).....	858.02 32.42
28 46 13 31-0611	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	1,035.77 32.42
28 46 13 31-0612	EA	Remote Conventional Zone Module (Siemens CZM-1B6).....	390.08 32.42
28 46 13 31-0613	EA	Short Circuit Line Isolator Module (Siemens LIM-1).....	241.36 32.42
28 46 13 31-0614	EA	Four Circuit Conventional Zone Module (Siemens CZM-4).....	1,007.96 32.42
28 46 13 31-0615	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	363.25 48.62
28 46 13 31-0616	EA	Lexan Window For RCC (Siemens GENBOX-WD).....	246.54 25.93
28 46 13 31-0617	EA	Input Driver Module (Siemens MID-16).....	660.93 32.42
28 46 13 31-0618	EA	Programmable Output Driver Module (Siemens MOD-16).....	660.93 32.42
28 46 13 31-0619	EA	MXL Output/Input Module (Siemens MOI-7).....	1,057.53 32.42
28 46 13 31-0620	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2).....	562.99 32.42
28 46 13 31-0621	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4).....	885.83 32.42
28 46 13 31-0622	EA	12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220).....	2,178.70 97.24
28 46 13 31-0623	EA	12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240).....	2,178.70 97.24
28 46 13 31-0624	EA	Network Interface Module (Siemens NIM-1W).....	1,577.47 32.42
28 46 13 31-0625	EA	U.L. Listed Parallel Printer (Siemens PAL-1).....	4,128.60 129.66
28 46 13 31-0626	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	462.63 32.42
28 46 13 31-0627	EA	Surface Mounted Remote Command Center (Siemens RCC-1).....	4,518.95 648.28
28 46 13 31-0628	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	556.49 64.82
28 46 13 31-0629	EA	Flush Mounted Remote Command Center (Siemens RCC-1F).....	4,518.95 648.28
28 46 13 31-0630	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	571.00 64.82
28 46 13 31-0631	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	3,473.04 648.28
28 46 13 31-0632	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	5,200.92 648.28
28 46 13 31-0633	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	86.83 16.20
28 46 13 31-0634	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	6,417.24 64.82
28 46 13 31-0635	EA	Remote Diagnostics Module For PC (Siemens RDM-PC).....	13,668.51 64.82
28 46 13 31-0636	EA	Releasing End Of Line Module (Siemens REL-EOL).....	196.62 32.42
28 46 13 31-0637	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC).....	4,092.04 64.82
28 46 13 31-0638	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	3,907.04 64.82
28 46 13 31-0639	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	2,074.25 129.66
28 46 13 31-0640 Complete MXL And MXLV System Packages Without Enclosure (28 46 13 31-0606)			
28 46 13 31-0641	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP).....	14,984.50 648.28
		Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	
28 46 13 31-0642	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	19,516.39 648.28
		Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	
28 46 13 31-0643	EA	MXLV Demonstration Panel (Siemens MXLV DEMO).....	40,681.35 648.28
28 46 13 31-0644 MXL Basic System (28 46 13 31-0606)			
28 46 13 31-0645	EA	MXL/MXLV Main Control Board (Siemens MMB-3).....	9,282.15 648.28
28 46 13 31-0646	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL).....	11,989.43 648.28
		Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	
28 46 13 31-0647	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....	3,451.20 64.82
28 46 13 31-0648	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5).....	4,324.20 64.82
28 46 13 31-0649	EA	6 Amperes Power Supply For MXL (Siemens MPS-6).....	1,500.36 97.24
28 46 13 31-0650	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12).....	111.01 16.20
28 46 13 31-0651 MXL/MXLV System Expansion Accessories (28 46 13 31-0606)			
28 46 13 31-0652	EA	MXL Remote Power Supply Module (Siemens PSR-1).....	1,842.55 97.24
28 46 13 31-0653	EA	Style 4 Communication Module (Siemens NET-4).....	377.99 32.42

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
28 46 13 31-0654	EA	Style 7 Communication Module (Siemens NET-7).....	688.74	32.42
28 46 13 31-0655	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	413.06	32.42
28 46 13 31-0656 Peripheral Devices (28 46 13 31-0656)				
28 46 13 31-0657 Thermal Detectors (28 46 13 31-0656)				
28 46 13 31-0658	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	156.49	48.62
28 46 13 31-0659	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	156.49	48.62
28 46 13 31-0660	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	156.49	48.62
28 46 13 31-0661	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	156.49	48.62
28 46 13 31-0662	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	247.17	48.62
28 46 13 31-0663	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	247.17	48.62
28 46 13 31-0664	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	613.55	48.62
28 46 13 31-0665 Beam Smoke Detector (28 46 13 31-0656)				
28 46 13 31-0666	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	2,909.70	48.62
28 46 13 31-0667	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	332.29	16.20
28 46 13 31-0668	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	335.92	16.20
28 46 13 31-0669	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	171.47	16.20
28 46 13 31-0670 Bases For Detectors (28 46 13 31-0656)				
28 46 13 31-0671	EA	Detector Base (Siemens DB-11).....	50.56	16.20
28 46 13 31-0672	EA	Universal Base (Siemens DB-3S).....	46.93	16.20
28 46 13 31-0673 Manual Stations (28 46 13 31-0656)				
28 46 13 31-0674	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	366.78	38.90
28 46 13 31-0675 Addressable Devices (28 46 13 31-0675)				
28 46 13 31-0676 Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 13 31-0675)				
28 46 13 31-0677	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	305.21	48.62
28 46 13 31-0678	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	262.89	48.62
28 46 13 31-0679	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	213.32	48.62
28 46 13 31-0680	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	141.98	48.62
28 46 13 31-0681	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	141.98	48.62
28 46 13 31-0682	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	319.95	32.42
28 46 13 31-0683	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	305.44	32.42
28 46 13 31-0684	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	241.36	32.42
28 46 13 31-0685	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D).....	295.77	32.42
28 46 13 31-0686	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	295.77	32.42
28 46 13 31-0687	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	223.22	32.42
28 46 13 31-0688	EA	Line Isolator Module (Siemens HLIM).....	230.47	32.42
28 46 13 31-0689	EA	Remote Convention Zone Module (Siemens HZM)	341.72	32.42
28 46 13 31-0690	EA	Intelligent Control Point Module (Siemens HCP)	433.61	32.42
28 46 13 31-0691	EA	Handheld Programming And Testing Unit (Siemens DPU).....	1,918.69	
28 46 13 31-0692	EA	DPU Carrying Case (Siemens DPU-C1).....	295.14	
28 46 13 31-0693	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	3,286.00	32.42
28 46 13 31-0694 Air Duct Housings And Detectors (28 46 13 31-0675)				
28 46 13 31-0695	EA	Air-Duct Housing (Siemens AD2-P).....	350.53	25.93
28 46 13 31-0696	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	396.48	25.93
28 46 13 31-0697	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	317.53	32.42
28 46 13 31-0698	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	43.63	9.72
28 46 13 31-0699	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25).....	53.74	12.97
28 46 13 31-0700	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50).....	67.49	16.20
28 46 13 31-0701	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100).....	78.80	19.45
28 46 13 31-0702 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 13 31-0675)				
28 46 13 31-0703	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	318.51	48.62
28 46 13 31-0704	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	273.78	48.62
28 46 13 31-0705	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	352.37	48.62
28 46 13 31-0706	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B).....	311.49	32.42
28 46 13 31-0707	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	344.13	32.42
28 46 13 31-0708	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	315.11	32.42
28 46 13 31-0709	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	348.97	32.42
28 46 13 31-0710	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	348.97	32.42
28 46 13 31-0711 Detector Universal Bases (28 46 13 31-0675)				
28 46 13 31-0712	EA	Detector Base With Relay (Siemens DB-X11RS)	147.29	16.20
28 46 13 31-0713	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	74.74	16.20
28 46 13 31-0714	EA	Locking Kit (Siemens LK-11)	13.94	
28 46 13 31-0715	EA	Detector Base With Relay (Siemens DB-X3RS)	147.29	16.20
28 46 13 31-0716	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	171.47	16.20
28 46 13 31-0717	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	71.11	16.20
28 46 13 31-0718	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	33.96	9.72
28 46 13 31-0719	EA	Seal For DB-11 (Siemens DB11-SEAL)	16.85	

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0720	EA	Gasket For DB-11 (Siemens DB-SEAL)	18.44	
28 46 13 31-0721	EA	Detector Guard Housing (Siemens DGH-11).....	216.21	16.20
28 46 13 31-0722	EA	Small Detector Base (Siemens DB-11E)	55.39	16.20
28 46 13 31-0723	EA	Audible Base For Series 3 (Siemens ADBI-60A)	193.24	16.20
28 46 13 31-0724	EA	Base Plug (Siemens DB-11-DP).....	13.89	

28 46 13 31-0725 Air Duct Smoke Detectors (28 46 13 31-0675)

28 46 13 31-0726	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR).....	162.76	32.42
28 46 13 31-0727	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	847.14	32.42

28 46 13 31-0728 Notification Devices (28 46 13 31-0535)**28 46 13 31-0729 Synchronization Control Devices** (28 46 13 31-0728)

28 46 13 31-0730	EA	Dual Synchronization Control Module (Siemens DSC).....	241.36	32.42
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28 46 13 31-0731 Stand-Alone Strobes (28 46 13 31-0728)

28 46 13 31-0732	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	200.02	48.62
28 46 13 31-0733	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-MC-CR).....	218.16	48.62
28 46 13 31-0734	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	200.02	48.62
28 46 13 31-0735	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	218.16	48.62
28 46 13 31-0736	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	218.16	48.62
28 46 13 31-0737	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	200.02	48.62
28 46 13 31-0738	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	231.46	48.62
28 46 13 31-0739	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	221.78	48.62
28 46 13 31-0740	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP).....	221.78	48.62
28 46 13 31-0741	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP).....	237.50	48.62
28 46 13 31-0742	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	237.50	48.62

28 46 13 31-0743 Horns And Strobes (28 46 13 31-0728)

28 46 13 31-0744	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	271.36	48.62
28 46 13 31-0745	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	287.08	48.62
28 46 13 31-0746	EA	Wall Mounted Horn (Siemens SE-R)	156.49	48.62
28 46 13 31-0747	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	271.36	48.62
28 46 13 31-0748	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	287.08	48.62
28 46 13 31-0749	EA	Ceiling Mounted Horn (Siemens SEC-R).....	163.74	48.62
28 46 13 31-0750	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	271.36	48.62
28 46 13 31-0751	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R).....	287.08	48.62
28 46 13 31-0752	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	156.49	48.62
28 46 13 31-0753	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW).....	271.36	48.62
28 46 13 31-0754	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	287.08	48.62
28 46 13 31-0755	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	163.74	48.62
28 46 13 31-0756	EA	Mini Horn (Siemens MH-R).....	129.89	48.62
28 46 13 31-0757	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	166.16	48.62
28 46 13 31-0758	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	255.64	48.62
28 46 13 31-0759	EA	Industrial Tri-Tone Horn (Siemens ASR)	732.04	48.62
28 46 13 31-0760	EA	Wall Mounted Horn (Siemens HS-R)	166.16	48.62
28 46 13 31-0761	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	256.85	48.62
28 46 13 31-0762	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	276.19	48.62
28 46 13 31-0763	EA	6" Motor Bell (Siemens MBDC-6)	190.34	48.62
28 46 13 31-0764	EA	10" Motor Bell (Siemens MBDC-10)	208.48	48.62

28 46 13 31-0765 Mounting Accessories (28 46 13 31-0728)

28 46 13 31-0766	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	46.93	16.20
28 46 13 31-0767	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	46.93	16.20
28 46 13 31-0768	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	48.14	16.20
28 46 13 31-0769	EA	Red Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX)	77.16	16.20
28 46 13 31-0770	EA	White Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX-W)	61.44	16.20
28 46 13 31-0771	EA	Surface Mounted Speaker Back Box (Siemens SBBS-R).....	65.07	16.20
28 46 13 31-0772	EA	Surface Mounted Speaker Back Box (Siemens SBL2S-R).....	69.90	16.20
28 46 13 31-0773	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	55.39	16.20
28 46 13 31-0774	EA	Semi-Flush Plate (Siemens SFPS-R)	45.72	16.20
28 46 13 31-0775	EA	Square Surface Back Box (Siemens SHBBS-R).....	55.39	16.20
28 46 13 31-0776	EA	Horn Adapter Plate (Siemens SHMPS-R).....	52.98	16.20
28 46 13 31-0777	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	46.93	16.20
28 46 13 31-0778	EA	Wall Mounted Surface Mounted Speaker Back Box (Siemens SPSB-R).....	61.44	16.20
28 46 13 31-0779	EA	Wall Mounted Surface Mounted Speaker/Strobe Back Box (Siemens SPSSB-R).....	65.07	16.20
28 46 13 31-0780	EA	Weatherproof Speaker Back Box (Siemens WBBS-R)	62.65	16.20
28 46 13 31-0781	EA	Weatherproof Speaker Back Box With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	69.90	16.20
28 46 13 31-0782	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	69.90	16.20
28 46 13 31-0783	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R).....	69.90	16.20
28 46 13 31-0784	EA	Weatherproof Horn Back Box (Siemens WPBBS-R)	65.07	16.20
28 46 13 31-0785	EA	Weatherproof Strobe Back Box (Siemens WPSBBS-R).....	65.07	16.20
28 46 13 31-0786	EA	Surface Mounted Weatherproof Back Box Kit (Siemens WPS-KIT)	46.93	16.20
28 46 13 31-0787	EA	Z Series Back Box (Siemens ZBB-R)	52.98	16.20

28 46 13 31-0788 Door Holders (28 46 13 31-0728)

28 46 13 31-0789	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	409.20	48.62
28 46 13 31-0790	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	409.20	48.62

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0791		Voice Equipment (28 46 13 31-0535)		
28 46 13 31-0792		Voicecom (28 46 13 31-0791)		
28 46 13 31-0793	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM).....	6,272.22	648.28
28 46 13 31-0794	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L).....	9,960.13	648.28
28 46 13 31-0795		Johnson Controls Fire Alarm (28 46 13 31)		
28 46 13 31-0796	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J).....	238.18	48.62
28 46 13 31-0797	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J).....	235.56	48.62
28 46 13 31-0798	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	295.60	48.62
28 46 13 31-0799	EA	Accclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	294.76	48.62
28 46 13 31-0800	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	818.84	64.82
28 46 13 31-0801	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ).....	224.80	48.62
28 46 13 31-0802	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J).....	199.96	48.62
28 46 13 31-0803	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	194.69	48.62
28 46 13 31-0804	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J).....	599.57	48.62
28 46 13 31-0805	EA	100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100).....	2,933.14	97.24
28 46 13 31-0806	EA	AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E).....	2,841.56	97.24
28 46 13 31-0807	EA	120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120).....	2,890.97	97.24
28 46 13 31-0808	EA	AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E).....	2,767.61	97.24
28 46 13 31-0809	EA	30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30).....	1,342.43	97.24
28 46 13 31-0810	EA	AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E).....	1,342.43	97.24
28 46 13 31-0811	EA	Annunciator Control Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	1,351.40	32.42
28 46 13 31-0812	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	1,405.77	32.42
28 46 13 31-0813	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A).....	1,031.60	32.42
28 46 13 31-0814	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A).....	1,031.60	32.42
28 46 13 31-0815	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R).....	726.61	32.42
28 46 13 31-0816	EA	Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610).....	2,347.87	64.82
28 46 13 31-0817	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	1,031.60	32.42
28 46 13 31-0818	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT).....	1,072.47	32.42
28 46 13 31-0819	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A).....	924.36	32.42
28 46 13 31-0820	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A).....	924.36	32.42
28 46 13 31-0821	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX).....	152.61	29.17
28 46 13 31-0822	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM).....	1,412.55	64.82
28 46 13 31-0823	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	3,087.28	64.82
28 46 13 31-0824	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	1,412.55	64.82
28 46 13 31-0825	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	3,087.28	64.82
28 46 13 31-0826	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	54.60	16.20
28 46 13 31-0827	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI).....	150.01	16.20
28 46 13 31-0828	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB).....	141.38	16.20
28 46 13 31-0829	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401).....	58.28	16.20
28 46 13 31-0830	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	52.16	16.20
28 46 13 31-0831	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	1,028.13	64.82
28 46 13 31-0832	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224).....	2,412.69	97.24
28 46 13 31-0833	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S).....	2,551.34	97.24
28 46 13 31-0834	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK).....	281.97	16.20
28 46 13 31-0835	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	189.56	16.20
28 46 13 31-0836	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025).....	2,414.73	97.24
28 46 13 31-0837	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F).....	2,227.84	97.24
28 46 13 31-0838	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF).....	2,227.84	97.24
28 46 13 31-0839	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070).....	2,616.62	97.24
28 46 13 31-0840	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	2,412.69	97.24
28 46 13 31-0841	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F).....	2,412.69	97.24
28 46 13 31-0842	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF).....	2,412.69	97.24
28 46 13 31-0843	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525).....	2,888.02	97.24
28 46 13 31-0844	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F).....	2,888.02	97.24
28 46 13 31-0845	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF).....	2,888.02	97.24
28 46 13 31-0846	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR).....	297.86	32.42
28 46 13 31-0847	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	459.49	32.42

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0848	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1).....	40.66	12.97
28 46 13 31-0849	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5).....	44.46	12.97
28 46 13 31-0850	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10).....	110.00	19.45
28 46 13 31-0851	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3).....	52.98	12.97
28 46 13 31-0852	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5).....	65.41	16.20
28 46 13 31-0853	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	462.23	32.42
28 46 13 31-0854	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	767.42	64.82
28 46 13 31-0855	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	632.88	97.24
28 46 13 31-0856	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4).....	881.81	97.24
28 46 13 31-0857	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4).....	964.99	97.24
28 46 13 31-0858	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4).....	514.48	12.97
28 46 13 31-0859	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4).....	776.40	12.97
28 46 13 31-0860	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4).....	853.44	12.97
28 46 13 31-0861	EA	6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6).....	1,019.23	129.66
28 46 13 31-0862	EA	Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions 8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8).....	1,341.92	129.66
28 46 13 31-0863	EA	Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions 80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	1,275.88	97.24
28 46 13 31-0864	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS).....	235.76	16.20
28 46 13 31-0865	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R).....	669.29	32.42
28 46 13 31-0866	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980).....	350.32	48.62
28 46 13 31-0867	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996).....	284.76	48.62
28 46 13 31-0868	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998).....	299.68	48.62
28 46 13 31-0869	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200).....	2,461.89	64.82
28 46 13 31-0870	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	3,008.96	64.82
28 46 13 31-0871	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J).....	907.61	32.42
28 46 13 31-0872	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320).....	6,143.40	518.62
28 46 13 31-0873	EA	Note: Includes Door, Dress Panel And Back Box, Black Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG).....	3,035.52	64.82
28 46 13 31-0874	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI).....	40,082.03	777.94
28 46 13 31-0875	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F).....	43,779.05	777.94
28 46 13 31-0876	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	49,324.59	777.94
28 46 13 31-0877	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	43,779.05	777.94
28 46 13 31-0878	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B).....	294.00	19.45
28 46 13 31-0879	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	330.97	19.45
28 46 13 31-0880	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B).....	360.55	19.45
28 46 13 31-0881	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	674.80	19.45
28 46 13 31-0882	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB).....	218.16	12.97
28 46 13 31-0883	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2D).....	339.93	29.17
28 46 13 31-0884	EA	Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2DR).....	361.13	29.17
28 46 13 31-0885	EA	Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. Surface (or Semi-flush) Mount INA, ACS, Or SCS Back Box, Black. (Johnson Controls, Inc. #JABS-4D).....	664.64	29.17
28 46 13 31-0886	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	663.69	12.97
28 46 13 31-0887	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	894.75	12.97
28 46 13 31-0888	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	1,107.33	12.97
28 46 13 31-0889	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX).....	310.06	32.42
28 46 13 31-0890	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4).....	144.81	12.97
28 46 13 31-0891	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D).....	6,129.41	518.62
28 46 13 31-0892	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640).....	4,424.32	388.97
28 46 13 31-0893	EA	Note: Includes CHS2-M2 Chassis Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	7,964.62	518.62
28 46 13 31-0894	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	7,654.55	388.97
28 46 13 31-0895	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	5,510.66	388.97
28 46 13 31-0896	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	3,024.01	48.62
28 46 13 31-0897	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	3,054.86	48.62
28 46 13 31-0898	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	3,054.86	48.62
28 46 13 31-0899	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	3,615.06	64.82
28 46 13 31-0900	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Nodule Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2).....	3,063.25	64.82
28 46 13 31-0901	EA	Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D). Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	2,626.46	388.97
28 46 13 31-0902	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160).....	2,175.26	64.82
28 46 13 31-0903	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	1,788.85	64.82

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0904	EA		Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	2,880.96	64.82
28 46 13 31-0905	EA		Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32).....	891.96	16.20
28 46 13 31-0906	EA		Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	286.55	12.97
28 46 13 31-0907	EA		Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	353.10	12.97
28 46 13 31-0908	EA		Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32).....	718.24	16.20
28 46 13 31-0909	EA		Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	1,319.00	16.20
28 46 13 31-0910	EA		Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	2,390.70	16.20
28 46 13 31-0911	EA		Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ).....	186.56	16.20
28 46 13 31-0912	EA		Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	297.84	16.20
28 46 13 31-0913	EA		Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	146.25	16.20
28 46 13 31-0914	EA		Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	205.61	16.20
28 46 13 31-0915	EA		Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devices. (Johnson Controls, Inc. #M301MJ).....	161.84	16.20
28 46 13 31-0916	EA		Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	264.51	16.20
28 46 13 31-0917	EA		Addressable Firephone Control Module With FlashScan. (Johnson Controls, Inc. #M500FPJ).....	301.78	16.20
28 46 13 31-0918	EA		SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	169.77	16.20
28 46 13 31-0919	EA		Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	2,522.49	48.62
28 46 13 31-0920	EA		Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	2,244.20	32.42
28 46 13 31-0921	EA		Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W).....	2,074.14	32.42
28 46 13 31-0922	EA		Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	77.67	6.48
28 46 13 31-0923	EA		Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F).....	1,814.27	32.42
28 46 13 31-0924	EA		Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W).....	1,727.51	32.42
28 46 13 31-0925	EA		NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	4,411.46	64.82
28 46 13 31-0926	EA		NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U).....	1,224.60	32.42
28 46 13 31-0927	EA		Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	334.61	12.97
28 46 13 31-0928	EA		Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1).....	772.82	32.42
28 46 13 31-0929	EA		Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA).....	772.82	32.42
28 46 13 31-0930	EA		Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1).....	207.10	12.97
28 46 13 31-0931	EA		SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB).....	54.77	6.48
28 46 13 31-0932	EA		SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC).....	54.77	6.48
28 46 13 31-0933	EA		Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR).....	208.17	48.62
28 46 13 31-0934	EA		Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH).....	234.03	48.62
28 46 13 31-0935	EA		Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK).....	276.58	55.10
28 46 13 31-0936	EA		Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK).....	272.87	55.10
28 46 13 31-0937	EA		Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8).....	1,847.20	129.66
28 46 13 31-0938	EA		Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L).....	1,440.51	129.66
28 46 13 31-0939	EA		Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW).....	208.17	48.62
28 46 13 31-0940	EA		Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH).....	234.03	48.62
28 46 13 31-0941	EA		Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P).....	208.17	48.62
28 46 13 31-0942	EA		Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500).....	37.67	12.97
28 46 13 31-0943	EA		SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON).....	42.64	6.48
28 46 13 31-0944	EA		SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP).....	48.58	6.48
28 46 13 31-0945	EA		SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS).....	42.69	6.48
28 46 13 31-0946	EA		Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR).....	190.33	48.62
28 46 13 31-0947	EA		Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH).....	234.03	48.62
28 46 13 31-0948	EA		Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK).....	276.58	55.10
28 46 13 31-0949	EA		Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P).....	234.03	48.62
28 46 13 31-0950	EA		Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK).....	272.87	55.10
28 46 13 31-0951	EA		Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P).....	208.17	48.62
28 46 13 31-0952	EA		Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW).....	208.17	48.62
28 46 13 31-0953	EA		Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH).....	234.03	48.62
28 46 13 31-0954	EA		Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P).....	234.03	48.62
28 46 13 31-0955	EA		Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P).....	208.17	48.62
28 46 13 31-0956	EA		Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1).....	289.35	16.20
28 46 13 31-0957	EA		Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT).....	1,277.10	64.82
28 46 13 31-0958	EA		Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW).....	308.79	64.82
28 46 13 31-0959	EA		Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW).....	131.91	32.42
28 46 13 31-0960	EA		Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV).....	131.91	32.42
28 46 13 31-0961	EA		Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR).....	243.95	32.42
28 46 13 31-0962	EA		Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH).....	265.38	32.42
28 46 13 31-0963	EA		Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRHV).....	265.38	32.42
28 46 13 31-0964	EA		Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV).....	235.43	32.42
28 46 13 31-0965	EA		Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK).....	321.24	32.42
28 46 13 31-0966	EA		Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW).....	243.95	32.42
28 46 13 31-0967	EA		Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW).....	131.91	32.42
28 46 13 31-0968	EA		Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR).....	131.91	32.42
28 46 13 31-0969	EA		Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH).....	265.38	32.42
28 46 13 31-0970	EA		Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR).....	243.95	32.42
28 46 13 31-0971	EA		Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV).....	243.95	32.42

28 46 13 31-0972 Honeywell Fire Alarm (28 46 13 31)
28 46 13 31-0973 Notifier Fire Alarm (28 46 13 31-0972)
28 46 13 31-0974 Fire Alarm Control Panel And Accessories (28 46 13 31-0973)

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-0975	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	6,712.61	648.28
28 46 13 31-0976	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	5,518.44	648.28
28 46 13 31-0977	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E)	4,803.64	648.28
28 46 13 31-0978	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	6,698.56	648.28
28 46 13 31-0979	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	6,117.11	648.28
28 46 13 31-0980	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	5,964.94	648.28
28 46 13 31-0981	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	5,819.63	648.28
28 46 13 31-0982	EA	Two-Tone Sequential Module (Notifier 2TTM)	384.04	32.42
28 46 13 31-0983	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	96.49	6.48
28 46 13 31-0984	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	184.97	12.97
28 46 13 31-0985	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	280.89	19.45
28 46 13 31-0986	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	443.93	
28 46 13 31-0987	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	62.76	
28 46 13 31-0988	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	5,705.22	648.28
28 46 13 31-0989	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	5,761.28	648.28
28 46 13 31-0990	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	238.37	6.48
28 46 13 31-0991	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	73.61	6.48
28 46 13 31-0992	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	104.59	12.97
28 46 13 31-0993	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	103.36	16.20
28 46 13 31-0994	EA	IP Communicator (Notifier IPDACT-2)	774.19	32.42
28 46 13 31-0995	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	897.76	32.42
28 46 13 31-0996	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC)	211.27	32.42
		Note: Includes IPBRKT.		
28 46 13 31-0997	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B)	210.70	32.42
		Note: Includes IPBRKT		
28 46 13 31-0998	EA	Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	54.19	12.97
28 46 13 31-0999	EA	Loop Control Module (Notifier LCM-320)	2,485.21	64.82
28 46 13 31-1000	EA	Loop Expander Module (Notifier LEM-320)	1,774.95	64.82
28 46 13 31-1001	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,884.22	64.82
28 46 13 31-1002	EA	7' DACT Phone Cord (Notifier MCB-7)	26.36	
28 46 13 31-1003	EA	Back Box For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	222.92	16.20
28 46 13 31-1004	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	255.32	32.42
28 46 13 31-1005	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	255.32	32.42
28 46 13 31-1006	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	812.93	32.42
28 46 13 31-1007	EA	Universal Zone Coder (Notifier UZC-256)	1,129.92	32.42
28 46 13 31-1008	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI)	352.15	
		Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.		
28 46 13 31-1009	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	875.88	
28 46 13 31-1010	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	567.60	
28 46 13 31-1011	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	4,994.59	19.45
28 46 13 31-1012	EA	Surface Back Box For NBG-12LRA (Notifier SBA-10)	57.71	16.20
28 46 13 31-1013	EA	Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X)	2,493.75	648.28
28 46 13 31-1014	EA	Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X)	3,656.62	648.28

28 46 13 31-1015 ONYX Cabinets (28 46 13 31-0973)

28 46 13 31-1016	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	654.06	16.20
28 46 13 31-1017	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	877.65	16.20
28 46 13 31-1018	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	1,084.29	16.20
28 46 13 31-1019	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	133.86	19.45
28 46 13 31-1020	EA	Chassis Bridge (Notifier CB-1)	121.38	16.20
28 46 13 31-1021	EA	Four Position Chassis (Notifier CHS-4)	202.33	16.20
28 46 13 31-1022	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	249.02	32.42
28 46 13 31-1023	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	118.42	19.45
28 46 13 31-1024	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	149.60	19.45
28 46 13 31-1025	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	464.44	32.42
28 46 13 31-1026	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	294.29	32.42
28 46 13 31-1027	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	587.39	48.62
28 46 13 31-1028	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	361.05	48.62
28 46 13 31-1029	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	877.38	64.82
28 46 13 31-1030	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	532.40	64.82
28 46 13 31-1031	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	1,064.33	81.04
28 46 13 31-1032	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	617.88	81.04
28 46 13 31-1033	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	318.46	16.20
28 46 13 31-1034	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	220.06	16.20
28 46 13 31-1035	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	220.06	16.20
28 46 13 31-1036	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	324.18	16.20
28 46 13 31-1037	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	247.52	16.20
28 46 13 31-1038	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	409.99	16.20
28 46 13 31-1039	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	281.27	16.20
28 46 13 31-1040	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	487.79	16.20
28 46 13 31-1041	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	403.12	16.20
28 46 13 31-1042	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	722.34	16.20
28 46 13 31-1043	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	451.18	16.20
28 46 13 31-1044	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	864.22	16.20
28 46 13 31-1045	EA	Black, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4)	420.65	32.42
28 46 13 31-1046	EA	Black, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4)	617.44	32.42
28 46 13 31-1047	EA	Black, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4)	722.71	32.42
28 46 13 31-1048	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	440.10	32.42
28 46 13 31-1049	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	660.92	32.42
28 46 13 31-1050	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	770.76	32.42
28 46 13 31-1051	EA	Red, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4R)	424.08	32.42

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1052	EA	Red, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4R)	617.44	32.42
28 46 13 31-1053	EA	Red, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4R)	731.86	32.42
28 46 13 31-1054	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	460.70	32.42
28 46 13 31-1055	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	660.92	32.42
28 46 13 31-1056	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	770.76	32.42
28 46 13 31-1057	EA	Back Box With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	3,448.40	162.07
28 46 13 31-1058	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB)	395.48	32.42
		Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 13 31-1059	EA	Black, One Tier Back Box Assembly (Notifier SBB-A4)	497.76	97.24
28 46 13 31-1060	EA	Black, Two Tier Back Box Assembly (Notifier SBB-B4)	707.10	129.66
28 46 13 31-1061	EA	Black, Three Tier Back Box Assembly (Notifier SBB-C4)	947.94	129.66
28 46 13 31-1062	EA	Black, Four Tier Back Box Assembly (Notifier SBB-D4)	1,151.92	162.07
28 46 13 31-1063	EA	Black, Mini, One Tier, Back Box (Notifier SBB-AA4)	251.32	32.42
28 46 13 31-1064	EA	Red, Mini, One Tier, Back Box (Notifier SBB-AA4R)	251.32	32.42
28 46 13 31-1065	EA	Red, One Tier Back Box Assembly (Notifier SBB-A4R)	303.95	32.42
28 46 13 31-1066	EA	Red, Two Tier Back Box Assembly (Notifier SBB-B4R)	419.51	32.42
28 46 13 31-1067	EA	Red, Three Tier Back Box Assembly (Notifier SBB-C4R)	610.58	32.42
28 46 13 31-1068	EA	Red, Four Tier Back Box Assembly (Notifier SBB-D4R)	720.42	32.42
28 46 13 31-1069	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	239.70	19.45
28 46 13 31-1070	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	239.70	19.45
28 46 13 31-1071	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	321.51	19.45
28 46 13 31-1072	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	255.14	19.45
28 46 13 31-1073	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	256.86	19.45
28 46 13 31-1074	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	254.00	19.45
28 46 13 31-1075	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	260.29	19.45
28 46 13 31-1076	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Back Box (Notifier VP-2B)	95.42	19.45
28 46 13 31-1077	EA	Wire Trays For Routing Wire In A CAB-4 Series Back Box (Notifier WC-2)	64.69	6.48
28 46 13 31-1078		NFS2-3030/640 Cabinet Mechanicals (28 46 13 31-0973)		
28 46 13 31-1079	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	169.13	19.45
28 46 13 31-1080	EA	Blank Module Dress Plate (Notifier BM-1B)	138.80	19.45
28 46 13 31-1081	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	158.43	19.45
28 46 13 31-1082	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	312.74	16.20
28 46 13 31-1083	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	354.14	48.62
28 46 13 31-1084	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	176.27	19.45
28 46 13 31-1085		NFS-3030/640 Cabinet Mechanicals (28 46 13 31-0973)		
28 46 13 31-1086	EA	Annunciator Dress Plate (Notifier ADP-4B)	160.21	19.45
28 46 13 31-1087	EA	Blank Module Dress Plate (Notifier BMP-1)	97.77	19.45
28 46 13 31-1088	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	224.49	32.42
28 46 13 31-1089	EA	Module Dress Plate (Notifier MP-1B)	162.00	19.45
28 46 13 31-1090		Battery Cabinets (28 46 13 31-0973)		
28 46 13 31-1091	EA	Six Position Chassis (Notifier CHS-6)	140.28	32.42
28 46 13 31-1092	EA	Black, 24" x 14" x 7-3/4" Battery Back Box (Notifier NFS-LBB)	718.98	97.24
28 46 13 31-1093		Digital Voice (28 46 13 31-0973)		
28 46 13 31-1094	EA	Chassis Used With BB-XP (Notifier 18439)	61.60	16.20
28 46 13 31-1095	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	2,304.58	48.62
28 46 13 31-1096	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	2,240.13	48.62
28 46 13 31-1097	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E)	1,131.70	48.62
28 46 13 31-1098	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	751.97	48.62
28 46 13 31-1099	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	1,019.88	64.82
28 46 13 31-1100	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	1,269.93	81.04
28 46 13 31-1101	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	980.94	32.42
28 46 13 31-1102	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	980.94	32.42
28 46 13 31-1103	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	2,094.64	32.42
28 46 13 31-1104	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Back Box (Notifier AFAWS-BX)	125.95	16.20
28 46 13 31-1105	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	210.91	16.20
28 46 13 31-1106	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	212.05	16.20
28 46 13 31-1107	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	205.19	16.20
28 46 13 31-1108	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	207.48	16.20
28 46 13 31-1109	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	420.29	16.20
28 46 13 31-1110	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	321.89	16.20
28 46 13 31-1111	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	131.96	
28 46 13 31-1112	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	587.86	32.42
28 46 13 31-1113	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	593.14	32.42
28 46 13 31-1114	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	124.24	16.20
28 46 13 31-1115	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	193.27	32.42
28 46 13 31-1116	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	621.74	48.62
28 46 13 31-1117	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	249.60	32.42
28 46 13 31-1118	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	249.60	32.42
28 46 13 31-1119	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	318.46	16.20
28 46 13 31-1120	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	315.03	16.20
28 46 13 31-1121	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	2,630.21	32.42
28 46 13 31-1122	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	1,980.11	32.42
28 46 13 31-1123	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	1,980.11	32.42
28 46 13 31-1124	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	2,715.84	32.42
28 46 13 31-1125	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	2,096.19	32.42
28 46 13 31-1126	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	2,821.10	32.42
28 46 13 31-1127	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,589.53	32.42

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

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TOTAL DIRECT DEMOLITION
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28 46 13 31-1128	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	2,589.53	32.42
28 46 13 31-1129	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,872.75	32.42
28 46 13 31-1130	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,925.58	32.42
28 46 13 31-1131	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	2,008.00	32.42
28 46 13 31-1132	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525).....	1,273.63	32.42
28 46 13 31-1133	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	1,307.44	32.42
28 46 13 31-1134	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570).....	1,338.08	32.42
28 46 13 31-1135	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	1,382.46	32.42
28 46 13 31-1136	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025).....	1,391.97	32.42
28 46 13 31-1137	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	1,433.18	32.42
28 46 13 31-1138	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070).....	1,474.39	32.42
28 46 13 31-1139	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	1,548.36	32.42
28 46 13 31-1140	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT).....	143.69	16.20
28 46 13 31-1141	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	151.29	19.45
28 46 13 31-1142	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	176.27	19.45
28 46 13 31-1143	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	310.07	19.45
28 46 13 31-1144	EA	WPS Power Amplifier (Notifier DPA3204P).....	696.70	32.42
28 46 13 31-1145	EA	WPS Power Amplifier (Notifier DPA4001P).....	587.86	32.42
28 46 13 31-1146	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232).....	1,323.29	32.42
28 46 13 31-1147	EA	120 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP).....	990.45	32.42
Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V				
28 46 13 31-1148	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE).....	1,002.07	32.42
Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V				
28 46 13 31-1149	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB).....	1,667.76	32.42
28 46 13 31-1150	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA).....	651.26	32.42
28 46 13 31-1151	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM).....	371.45	32.42
28 46 13 31-1152	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM).....	371.45	32.42
28 46 13 31-1153	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	371.45	32.42
28 46 13 31-1154	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V).....	160.07	32.42
28 46 13 31-1155	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	448.38	32.42
28 46 13 31-1156	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM).....	2,651.62	32.42
28 46 13 31-1157	EA	Keypad For Digital Voice Command (Notifier DVC-KD).....	745.14	64.82
28 46 13 31-1158	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE).....	293.29	
28 46 13 31-1159	EA	Portable Fireman's Telephone Handset (Notifier FHS).....	176.01	
28 46 13 31-1160	EA	Red, Fireman's Telephone Handset (Notifier FHS-F).....	204.04	
28 46 13 31-1161	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	511.04	32.42
28 46 13 31-1162	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	511.04	32.42
28 46 13 31-1163	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ).....	83.75	9.72
28 46 13 31-1164	EA	Paging Microphone Only (Notifier MIC-1).....	298.52	32.42
28 46 13 31-1165	EA	Firefighter's Telephone Handset (Notifier TELH-1).....	201.18	
28 46 13 31-1166	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	758.80	32.42
28 46 13 31-1167	EA	Remote Microphone Assembly For Mounting In A Stand-Alone Cabinet (Notifier RM-1SA).....	758.80	32.42

28 46 13 31-1168 Amplifiers (28 46 13 31-0973)

28 46 13 31-1169	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30).....	1,472.40	32.42
28 46 13 31-1170	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100).....	3,229.64	32.42
28 46 13 31-1171	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120).....	3,136.87	32.42
28 46 13 31-1172	EA	Audio Coupling Transformer (Notifier ACT-1).....	212.89	32.42
28 46 13 31-1173	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	252.14	32.42
28 46 13 31-1174	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25).....	252.14	32.42
28 46 13 31-1175	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70).....	252.14	32.42
28 46 13 31-1176	EA	50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025).....	1,793.50	32.42
28 46 13 31-1177	EA	50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070).....	1,854.79	32.42
28 46 13 31-1178	EA	75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525).....	1,926.64	32.42
28 46 13 31-1179	EA	Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA).....	3,509.50	32.42
Note: Requires NFC-BDA-BU				
28 46 13 31-1180	EA	50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V).....	704.09	32.42
Note: Requires NFC-BDA-BU				
28 46 13 31-1181	EA	50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V).....	707.26	32.42
Note: Requires NFC-BDA-BU				

28 46 13 31-1182 FireVoice-25/50 Emergency Voice Evacuation Control Panels (28 46 13 31-0973)

28 46 13 31-1183	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	5,309.98	648.28
28 46 13 31-1184	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	3,734.22	648.28
28 46 13 31-1185	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	4,865.98	648.28
28 46 13 31-1186	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	6,345.98	648.28
28 46 13 31-1187	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST).....	7,025.04	648.28

28 46 13 31-1188 System Printer (28 46 13 31-0973)

28 46 13 31-1189	EA	80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6).....	3,208.23	32.42
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28 46 13 31-1190 Batteries (28 46 13 31-0973)

28 46 13 31-1191	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP).....	660.92	32.42
28 46 13 31-1192	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP).....	674.95	32.42
28 46 13 31-1193	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP).....	892.60	32.42
28 46 13 31-1194	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP).....	514.39	32.42
28 46 13 31-1195	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP).....	724.90	32.42
28 46 13 31-1196	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550).....	723.12	32.42

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1197	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000).....	1,159.84	32.42
28 46 13 31-1198 Battery Back Boxes And Miscellaneous Mechanicals (28 46 13 31-0973)				
28 46 13 31-1199	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Back Box (Notifier BB-17).....	182.88	25.93
28 46 13 31-1200	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25)..... Note: XP6 modules require a CHS-6.	305.87	25.93
28 46 13 31-1201	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Back Box (Notifier BB-26).....	541.19	129.66
28 46 13 31-1202	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH).....	235.49	64.82
28 46 13 31-1203	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1).....	131.39	16.20
28 46 13 31-1204	EA	Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25).....	355.07	25.93
28 46 13 31-1205	EA	Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	244.09	25.93
28 46 13 31-1206	EA	Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	270.97	25.93
28 46 13 31-1207	EA	Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	288.71	25.93
28 46 13 31-1208	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550).....	428.30	25.93
28 46 13 31-1209	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26).....	254.38	25.93
28 46 13 31-1210	EA	Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100)..... Note: Two kits are required for the BB-200	359.65	25.93
28 46 13 31-1211	EA	Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17)..... Note: Two kits are required for the BB-200	311.59	25.93
28 46 13 31-1212	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25)..... Note: Two kits are required for the BB-200	318.46	25.93
28 46 13 31-1213	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC)..... Note: Two kits are required for the BB-200	278.41	25.93
28 46 13 31-1214	EA	Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS2/4)..... Note: Two kits are required for the BB-200	261.25	25.93
28 46 13 31-1215 Power Supplies And Chargers (28 46 13 31-0973)				
28 46 13 31-1216	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610).....	1,553.30	48.62
28 46 13 31-1217	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E).....	1,629.38	48.62
28 46 13 31-1218	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	2,257.36	32.42
28 46 13 31-1219	EA	6A Auxiliary Power Supply (Notifier APS-6R).....	1,062.51	32.42
28 46 13 31-1220	EA	10 Amperes Battery Charger (Notifier BC10A).....	1,188.76	48.62
28 46 13 31-1221	EA	33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100)..... Note: Holds four 55 ampere hour or two 100 ampere hour batteries	653.30	38.90
28 46 13 31-1222	EA	Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R)..... Note: Holds four 55 ampere hour or two 100 ampere hour batteries	661.31	38.90
28 46 13 31-1223	EA	30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200)..... Note: Holds four 55 ampere hour or four 100 ampere hour batteries	917.83	38.90
28 46 13 31-1224	EA	30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	917.83	38.90
28 46 13 31-1225	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1).....	229.58	32.42
28 46 13 31-1226	EA	25 To 120 Ampere Hours Battery Charger (Notifier CHG-120).....	1,736.43	32.42
28 46 13 31-1227	EA	Mounts XPIQ-Ps And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	103.36	16.20
28 46 13 31-1228	EA	Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	162.28	16.20
28 46 13 31-1229	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8).....	1,145.92	32.42
28 46 13 31-1230	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E).....	925.68	97.24
28 46 13 31-1231	EA	Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R).....	886.59	97.24
28 46 13 31-1232	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	1,022.89	97.24
28 46 13 31-1233	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E).....	1,014.44	97.24
28 46 13 31-1234	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM).....	980.60	48.62
28 46 13 31-1235	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME).....	980.60	48.62
28 46 13 31-1236	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	1,214.12	48.62
28 46 13 31-1237	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E).....	1,160.23	48.62
28 46 13 31-1238	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM).....	1,232.08	97.24
28 46 13 31-1239	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME).....	1,232.08	97.24
28 46 13 31-1240	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	867.57	97.24
28 46 13 31-1241	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	867.57	97.24
28 46 13 31-1242	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	935.19	97.24
28 46 13 31-1243	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	935.19	97.24
28 46 13 31-1244	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA).....	754.50	97.24
28 46 13 31-1245	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA).....	886.59	97.24
28 46 13 31-1246	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076).....	189.86	16.20
28 46 13 31-1247	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A).....	1,544.82	32.42
28 46 13 31-1248	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4).....	227.29	32.42
28 46 13 31-1249	EA	240 Volt AC Addressable Power Supply (Notifier AMPS-24E).....	1,774.18	32.42
28 46 13 31-1250	EA	6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R).....	898.21	97.24
28 46 13 31-1251	EA	6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE).....	935.19	97.24
28 46 13 31-1252	EA	25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75).....	842.51	32.42
28 46 13 31-1253	EA	6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E).....	866.51	97.24
28 46 13 31-1254	EA	6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R).....	846.43	97.24
28 46 13 31-1255 Network Control Annunciators (28 46 13 31-0973)				
28 46 13 31-1256	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	3,138.08	97.24
28 46 13 31-1257	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO).....	112.04	19.45
28 46 13 31-1258	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit).....	78.15	19.45

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MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1259	FIRSTVISION Firefighter's Display (28 46 13 31-0973)		
28 46 13 31-1260	EA ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	24,001.13	648.28
28 46 13 31-1261	FlashScan Addressable Modules (28 46 13 31-0973)		
28 46 13 31-1262	EA Intelligent Addressable Control Module (Notifier FCM-1)	259.28	32.42
28 46 13 31-1263	EA Addressable Dual Monitor Module (Notifier FDM-1)	291.39	32.42
28 46 13 31-1264	EA Intelligent Addressable Monitor Module (Notifier FMM-1)	212.89	32.42
28 46 13 31-1265	EA Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	187.92	32.42
28 46 13 31-1266	EA Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	403.78	32.42
28 46 13 31-1267	EA Intelligent Addressable Relay Module (Notifier FRM-1)	192.11	32.42
28 46 13 31-1268	EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	330.64	32.42
28 46 13 31-1269	EA SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	209.32	32.42
28 46 13 31-1270	Addressable Device Bases And Accessories (28 46 13 31-0973)		
28 46 13 31-1271	EA Intelligent Detector Base With Flange (Notifier B710LP)	65.50	16.20
28 46 13 31-1272	EA Weatherproof Device Housing (Notifier DH400OE-1)	691.00	32.42
28 46 13 31-1273	EA Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W)	61.60	16.20
28 46 13 31-1274	EA Swift AV Base Ceiling (Notifier WAV-CRL)	328.75	16.20
28 46 13 31-1275	EA Swift AV Base Wall (Notifier WAV-RL)	328.75	16.20
28 46 13 31-1276	XP6/XP10 Transponder (28 46 13 31-0973)		
28 46 13 31-1277	EA Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	187.02	32.42
28 46 13 31-1278	EA Six Circuit Supervised Control Module (Notifier XP6-C)	999.64	32.42
28 46 13 31-1279	EA Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	1,213.72	32.42
28 46 13 31-1280	EA Six Relay Control Module (Notifier XP6-R)	960.39	32.42
28 46 13 31-1281	EA Ten Input Monitor Module (Notifier XP10-M)	1,160.20	32.42
28 46 13 31-1282	LCD Display Annunciators (28 46 13 31-0973)		
28 46 13 31-1283	EA 80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	1,255.96	97.24
28 46 13 31-1284	EA 80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	1,782.24	97.24
28 46 13 31-1285	EA 640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	1,846.46	97.24
28 46 13 31-1286	EA 8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	938.95	32.42
28 46 13 31-1287	EA 8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	498.45	32.42
28 46 13 31-1288	EA Eight Switch Smoke Control Master Module (Notifier SCS-8)	1,215.83	32.42
28 46 13 31-1289	EA White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W)	625.59	97.24
28 46 13 31-1290	ONYX ACM And AEM Series LED Annunciators (28 46 13 31-0973)		
28 46 13 31-1291	EA Remote, Eight Form C Relay Module (Notifier ACM-8R)	538.50	32.42
28 46 13 31-1292	EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	1,329.68	32.42
28 46 13 31-1293	EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	1,013.91	32.42
28 46 13 31-1294	EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	1,329.68	32.42
28 46 13 31-1295	EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	1,013.91	32.42
28 46 13 31-1296	EA 32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	1,013.91	32.42
28 46 13 31-1297	EA 32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	906.87	32.42
28 46 13 31-1298	EA 48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	1,013.91	32.42
28 46 13 31-1299	EA 48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	906.87	32.42
28 46 13 31-1300	Graphic Annunciator - Lamp Driver Modules (28 46 13 31-0973)		
28 46 13 31-1301	EA Single Annunciator Flush Mounted Back Box (Notifier ABF-1B)	390.12	64.82
28 46 13 31-1302	EA Single Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-1DB)	427.59	64.82
28 46 13 31-1303	EA Two Annunciator Flush Mounted Back Box (Notifier ABF-2B)	488.54	81.04
28 46 13 31-1304	EA Two Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-2DB)	536.71	81.04
28 46 13 31-1305	EA Four Annunciator Flush Mounted Back Box (Notifier ABF-4B)	872.71	113.45
28 46 13 31-1306	EA Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	155.75	19.45
28 46 13 31-1307	EA Single Annunciator Surface Mounted Back Box (Notifier ABS-1B)	237.59	64.82
28 46 13 31-1308	EA Single Annunciator Surface Mounted Back Box With Trim (Notifier ABS-1TB)	193.97	16.20
28 46 13 31-1309	EA Two Annunciator Surface Mounted Back Box (Notifier ABS-2B)	306.28	64.82
28 46 13 31-1310	EA 12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Back Box (Notifier ABS-2D)	561.69	81.04
28 46 13 31-1311	EA Red, Surface (Or Semi-Flush) Mounted Back Box For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	364.41	16.20
28 46 13 31-1312	EA Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4D)	920.88	113.45
28 46 13 31-1313	EA Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4DR)	615.44	19.45
28 46 13 31-1314	EA Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Back Box (Notifier ABS-8RB)	234.17	25.93
28 46 13 31-1315	EA Annunciator Key Switch (Notifier AKS-1B)	116.99	9.72
28 46 13 31-1316	EA Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	140.64	32.42
28 46 13 31-1317	EA 32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	906.87	32.42
28 46 13 31-1318	EA 24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	204.62	6.48
28 46 13 31-1319	EA 48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	256.10	6.48
28 46 13 31-1320	EA 32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	744.52	32.42
28 46 13 31-1321	EA Lamp Driver Module (Notifier LDM-R32)	997.30	32.42
28 46 13 31-1322	EA Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	925.22	32.42
28 46 13 31-1323	EA 48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	262.97	6.48
28 46 13 31-1324	EA Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	237.41	19.45
28 46 13 31-1325	EA Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	141.17	19.45
28 46 13 31-1326	EA Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	141.17	19.45
28 46 13 31-1327	EA Graphic Annunciator Dress Plate (Notifier DP-GDIS1)	227.11	19.45
28 46 13 31-1328	EA Graphic Annunciator Dress Plate (Notifier DP-GDIS2)	227.11	19.45

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
28 46 13 31-1329	EA	Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED).....	592.03		32.42
28 46 13 31-1330 Network Gateways (28 46 13 31-0973)					
28 46 13 31-1331	EA	Common Alerting Protocol Gateway (Notifier CAP-GW)	3,340.44		32.42
28 46 13 31-1332	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	2,486.66		32.42
28 46 13 31-1333	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF).....	2,801.54		32.42
28 46 13 31-1334	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	3,086.84		32.42
28 46 13 31-1335	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W).....	2,508.85		32.42
28 46 13 31-1336	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	2,441.23		32.42
28 46 13 31-1337	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF).....	2,748.71		32.42
28 46 13 31-1338	EA	Modbus Gateway (Notifier MODBUS-GW)	2,738.14		32.42
28 46 13 31-1339	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	3,171.00		21.39
28 46 13 31-1340	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	4,713.71		21.39
28 46 13 31-1341	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	14,931.51		21.39
28 46 13 31-1342	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD).....	749.37		48.62
28 46 13 31-1343	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD).....	1,379.27		48.62
28 46 13 31-1344	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	2,016.57		48.62
28 46 13 31-1345	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	1,251.07		
28 46 13 31-1346	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	3,882.58		32.42
28 46 13 31-1347	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	3,882.58		32.42
28 46 13 31-1348	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF).....	3,794.79		32.42
28 46 13 31-1349	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	4,418.22		32.42
28 46 13 31-1350	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	3,794.79		32.42
28 46 13 31-1351	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W).....	3,882.58		32.42
28 46 13 31-1352	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER).....	1,778.53		
28 46 13 31-1353	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	28,281.16		777.94
28 46 13 31-1354	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW).....	7,034.68		
Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.					
28 46 13 31-1355	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF).....	7,034.68		
Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.					
28 46 13 31-1356	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	1,163.74		32.42
28 46 13 31-1357	EA	Wire, Standard Network Repeater Board (Notifier RPT-W)	949.24		32.42
28 46 13 31-1358	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	1,127.81		32.42
28 46 13 31-1359	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM).....	1,257.78		32.42
28 46 13 31-1360	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW).....	2,611.35		32.42
28 46 13 31-1361	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	2,673.33		32.42
28 46 13 31-1362	EA	Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3).....	2,964.22		
28 46 13 31-1363	EA	Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD)	1,613.50		21.39
28 46 13 31-1364	EA	SWIFT Wireless Gateway With Flashscan (Notifier FWSG).....	510.10		32.42
28 46 13 31-1365 NOTI-FIRE-NET Network Components (28 46 13 31-0973)					
28 46 13 31-1366	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	3,882.58		32.42
28 46 13 31-1367	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	1,718.59		32.42
28 46 13 31-1368	EA	NOTI-FIRE-NET Web Server (Notifier NWS).....	3,882.58		32.42
28 46 13 31-1369	EA	Wired Network Communications Module (Notifier NCM-W)	1,636.52		32.42
28 46 13 31-1370	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	140.37		16.20
28 46 13 31-1371 FireWarden Addressable Fire Panels (28 46 13 31-0973)					
28 46 13 31-1372	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50).....	3,000.29		648.28
28 46 13 31-1373	EA	Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	3,633.61		648.28
28 46 13 31-1374	EA	Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	3,099.21		324.14
28 46 13 31-1375	EA	Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	3,099.21		324.14
28 46 13 31-1376	EA	Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	3,086.54		324.14
28 46 13 31-1377	EA	Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addressable Fire Alarm Control Panel (Notifier NFW-50C).....	3,519.76		648.28
28 46 13 31-1378	EA	Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addressable Fire Alarm Control Panel (NFW-50R)	2,573.00		648.28
28 46 13 31-1379 FireWarden Accessories (28 46 13 31-0973)					
28 46 13 31-1380	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	232.25		48.62
28 46 13 31-1381	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	220.81		48.62
28 46 13 31-1382 FireWarden Devices (28 46 13 31-0973)					
28 46 13 31-1383	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	207.54		32.42
28 46 13 31-1384	EA	Intelligent Addressable Control Module (Notifier NC-100)	250.36		32.42
28 46 13 31-1385	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	239.65		32.42
28 46 13 31-1386	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	495.97		48.62
28 46 13 31-1387	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	600.44		48.62

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1388	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	239.65	32.42
28 46 13 31-1389	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	236.39	48.62
28 46 13 31-1390	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	236.39	48.62
28 46 13 31-1391	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	236.39	48.62
28 46 13 31-1392	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	329.16	48.62
28 46 13 31-1393	EA	Intelligent Addressable Monitor Module (Notifier NMM-100).....	203.97	32.42
28 46 13 31-1394	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	183.46	32.42
28 46 13 31-1395	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	283.36	32.42
28 46 13 31-1396	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	248.88	48.62
28 46 13 31-1397	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	319.93	32.42
28 46 13 31-1398	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	1,185.17	32.42

28 46 13 31-1399 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories (28 46 13 31-0973)

28 46 13 31-1400	EA	120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,929.25	518.62
28 46 13 31-1401	EA	120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	2,159.39	518.62
28 46 13 31-1402	EA	240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E)	1,297.06	162.07
28 46 13 31-1403	EA	240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E)	1,465.07	162.07
28 46 13 31-1404	EA	Class A Converter Module (Notifier CAC-4).....	445.82	32.42
28 46 13 31-1405	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	162.75	19.45
28 46 13 31-1406	EA	Remote Zone Annunciator (Notifier RZA-4X).....	237.97	48.62
28 46 13 31-1407	EA	Red, Dress Panel (Notifier DP-51050).....	196.22	19.45
28 46 13 31-1408	EA	Black, Dress Panel (Notifier DP-51050B)	198.51	19.45

28 46 13 31-1409 SFP-5UD 5 Zone Control Panels And Accessories (28 46 13 31-0973)

28 46 13 31-1410	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	3,071.65	648.28
28 46 13 31-1411	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	4,519.49	486.21
28 46 13 31-1412	EA	240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	2,981.94	324.14
28 46 13 31-1413	EA	Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	2,981.94	324.14
28 46 13 31-1414	EA	Class A Converter Module (Notifier N-CAC-5X)	461.84	32.42
28 46 13 31-1415	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	176.20	19.45
28 46 13 31-1416	EA	Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC)	3,890.14	486.21
Note: Includes internal dress panel with built-in annunciator module				
28 46 13 31-1417	EA	240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE).....	2,577.23	324.14
28 46 13 31-1418	EA	Red, 120 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDR)	2,555.04	324.14

28 46 13 31-1419 SFP-10UD 10 Zone Control Panels And Accessories (28 46 13 31-0973)

28 46 13 31-1420	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC)	5,498.07	648.28
28 46 13 31-1421	EA	240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	4,111.27	486.21
28 46 13 31-1422	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	3,571.17	648.28
28 46 13 31-1423	EA	Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	4,759.55	648.28
28 46 13 31-1424	EA	Four Channel, Dual Line, Stand-Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	958.03	97.24
28 46 13 31-1425	EA	10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC)	4,793.08	648.28
Note: Includes internal dress panel with built-in annunciator module				
28 46 13 31-1426	EA	240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE).....	3,576.32	486.21
28 46 13 31-1427	EA	Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR)	4,198.18	648.28

28 46 13 31-1428 Smoke Detectors (28 46 13 31-0973)

28 46 13 31-1429	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	354.14	48.62
28 46 13 31-1430	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	614.60	48.62
28 46 13 31-1431	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	1,490.18	48.62
28 46 13 31-1432	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	208.22	48.62
Note: For use with DNR(W) duct detector housing.				
28 46 13 31-1433	EA	Filters For Harsh Detector (Notifier RF-FTX)	25.37	
28 46 13 31-1434	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	212.45	32.42
28 46 13 31-1435	EA	Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI)	1,836.49	48.62
28 46 13 31-1436	EA	Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951)	216.52	48.62
28 46 13 31-1437	EA	Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV).....	235.40	48.62
28 46 13 31-1438	EA	Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R)	225.96	48.62
28 46 13 31-1439	EA	Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV)	243.12	48.62
28 46 13 31-1440	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T)	227.10	48.62
28 46 13 31-1441	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV)	244.26	48.62
28 46 13 31-1442	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951)	186.48	48.62
28 46 13 31-1443	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H).....	186.48	48.62
28 46 13 31-1444	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV)	202.50	48.62
28 46 13 31-1445	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV).....	202.50	48.62
28 46 13 31-1446	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R)	186.48	48.62
28 46 13 31-1447	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV).....	202.50	48.62
28 46 13 31-1448	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R)	483.96	48.62
28 46 13 31-1449	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV).....	518.29	48.62
28 46 13 31-1450	EA	Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE)	482.82	48.62
Note: Requires B210W base, ordered separately				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1451	EA	Wireless Photo Detector With Flashscan (Notifier FWD-200P) Note: Requires B210W base, ordered separately	445.06	48.62
28 46 13 31-1452	EA	Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135) Note: Requires B210W base, ordered separately	405.02	48.62
28 46 13 31-1453	EA	Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135) Note: Requires B210W base, ordered separately	405.02	48.62
28 46 13 31-1454	EA	Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951)	297.47	48.62
28 46 13 31-1455	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	2,820.23	48.62
28 46 13 31-1456	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	3,454.32	48.62
28 46 13 31-1457 Pull Stations (28 46 13 31-0973)				
28 46 13 31-1458	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	36.77	6.48
28 46 13 31-1459	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2)	93.40	16.20
28 46 13 31-1460	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2R)	80.02	16.20
28 46 13 31-1461	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	123.26	32.42
28 46 13 31-1462	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	135.96	32.42
28 46 13 31-1463	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	185.93	32.42
28 46 13 31-1464	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	123.26	32.42
28 46 13 31-1465	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	141.89	32.42
28 46 13 31-1466	EA	Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	141.89	32.42
28 46 13 31-1467	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	141.89	32.42
28 46 13 31-1468	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	134.27	32.42
28 46 13 31-1469	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	145.28	32.42
28 46 13 31-1470	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	940.02	38.90
28 46 13 31-1471	EA	Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S)	107.27	32.42
28 46 13 31-1472	EA	Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12)	112.19	32.42
28 46 13 31-1473	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	138.41	32.42
28 46 13 31-1474	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	336.47	38.90
28 46 13 31-1475	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	166.36	32.42
28 46 13 31-1476	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	140.33	32.42
28 46 13 31-1477	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	285.14	32.42
28 46 13 31-1478	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	68.87	6.48
28 46 13 31-1479	EA	Dual Action, Wireless Pull Station (Notifier NBG-12WL)	472.52	38.90
28 46 13 31-1480 Rate Compensation Heat Detectors (28 46 13 31-0973)				
28 46 13 31-1481	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	254.23	48.62
28 46 13 31-1482	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	254.23	48.62
28 46 13 31-1483 FM Series Door Releases (28 46 13 31-0973)				
28 46 13 31-1484	EA	1/2" Door Holder Spacer (Notifier FM900-50)	40.86	9.72
28 46 13 31-1485	EA	3/4" Door Holder Spacer (Notifier FM900-75)	40.86	9.72
28 46 13 31-1486	EA	1" Door Holder Spacer (Notifier FM900-100)	40.86	9.72
28 46 13 31-1487	EA	Door Holder Extension Kit (Notifier FM900)	43.53	9.72
28 46 13 31-1488	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	44.43	9.72
28 46 13 31-1489	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980)	286.12	48.62
28 46 13 31-1490	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996)	247.10	48.62
28 46 13 31-1491	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998)	247.10	48.62
28 46 13 31-1492 Multicriteria Fire Detector (28 46 13 31-0973)				
28 46 13 31-1493	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	354.67	48.62
28 46 13 31-1494	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	353.53	48.62
28 46 13 31-1495	EA	Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951)	232.25	48.62
28 46 13 31-1496	EA	Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV)	240.26	48.62
28 46 13 31-1497	EA	Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951)	354.67	48.62
28 46 13 31-1498 Modules (28 46 13 31-0973)				
28 46 13 31-1499	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	420.65	32.42
28 46 13 31-1500	EA	Addressable Firephone Control Module (Notifier FTM-1)	261.61	32.42
28 46 13 31-1501	EA	Wireless Monitor Module With Flashscan (Notifier FW-MM)	406.92	32.42
28 46 13 31-1502	EA	Wireless Relay Module With Flashscan (Notifier FW-RM)	469.85	32.42
28 46 13 31-1503	EA	Wireless Sync Module (Notifier W-SYNC)	448.38	32.42
28 46 13 31-1504 DH Series Door Releases (28 46 13 31-0973)				
28 46 13 31-1505	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	220.52	48.62
28 46 13 31-1506	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	234.54	48.62
28 46 13 31-1507	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	247.70	48.62
28 46 13 31-1508	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	244.26	48.62
28 46 13 31-1509	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	255.70	48.62
28 46 13 31-1510	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	265.43	48.62
28 46 13 31-1511	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	220.52	48.62
28 46 13 31-1512	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	232.82	48.62
28 46 13 31-1513	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	247.70	48.62

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1514	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	279.16	48.62
28 46 13 31-1515	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	297.47	48.62
28 46 13 31-1516	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	318.63	48.62
28 46 13 31-1517	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	323.78	48.62
28 46 13 31-1518	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	345.52	48.62
28 46 13 31-1519	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	371.84	48.62
28 46 13 31-1520	EA	0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	25.50	6.48
28 46 13 31-1521	EA	0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	25.50	6.48
28 46 13 31-1522	EA	0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	27.84	6.48
28 46 13 31-1523	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	25.50	6.48
28 46 13 31-1524	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	25.50	6.48
28 46 13 31-1525	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	27.84	6.48
28 46 13 31-1526	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	26.70	6.48
28 46 13 31-1527	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	26.70	6.48
28 46 13 31-1528	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	27.84	6.48
28 46 13 31-1529	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	29.16	6.48
28 46 13 31-1530	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	29.16	6.48
28 46 13 31-1531	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	29.16	6.48
28 46 13 31-1532	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	30.36	6.48
28 46 13 31-1533	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	30.36	6.48
28 46 13 31-1534	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	30.36	6.48
28 46 13 31-1535	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	31.68	6.48
28 46 13 31-1536	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	31.68	6.48
28 46 13 31-1537	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	32.88	6.48
28 46 13 31-1538	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	32.88	6.48
28 46 13 31-1539	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	34.19	6.48
28 46 13 31-1540	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	37.91	6.48
28 46 13 31-1541	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	36.65	6.48
28 46 13 31-1542	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	35.40	6.48
28 46 13 31-1543	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	37.91	6.48
28 46 13 31-1544	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP)	35.64	9.72
28 46 13 31-1545	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	36.84	9.72
28 46 13 31-1546	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	40.67	9.72
28 46 13 31-1547	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	65.56	9.72
28 46 13 31-1548	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	69.22	9.72
28 46 13 31-1549	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	72.88	9.72
28 46 13 31-1550	EA	Surface Mounted Back Box, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	61.02	16.20
28 46 13 31-1551	EA	Surface Mounted Back Box, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	63.54	16.20
28 46 13 31-1552	EA	Surface Mounted Back Box, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	68.58	16.20
28 46 13 31-1553	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	353.54	

28 46 13 31-1554 First Command (28 46 13 31-0973)

28 46 13 31-1555	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	6,696.67	810.35
28 46 13 31-1556	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	6,760.06	810.35
28 46 13 31-1557	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,800.97	64.82
28 46 13 31-1558	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS, Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	1,848.52	64.82
28 46 13 31-1559	EA	Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	3,281.34	64.82
28 46 13 31-1560	EA	Black, , 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	3,387.00	64.82
28 46 13 31-1561	EA	50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	842.93	32.42
28 46 13 31-1562	EA	50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	842.93	32.42
28 46 13 31-1563	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	527.06	32.42
28 46 13 31-1564	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	687.19	32.42
28 46 13 31-1565	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT)	2,430.74	64.82
28 46 13 31-1566	EA	Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black. Local Operator Console (Notifier NFC-LOC)	2,380.02	64.82
28 46 13 31-1567	EA	Note: Includes built-in microphone, message and zone control switches, black. Black, Remote Microphone (Notifier NFC-RM)	689.23	
28 46 13 31-1568	EA	Remote Page Unit (Notifier NFC-RPU)	2,015.47	64.82
28 46 13 31-1569	EA	Note: Includes built-in microphone, message control switches, black. 70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	400.06	32.42
28 46 13 31-1570	EA	Firefighters Phone Jack (Notifier N-FPJ)	182.49	9.72
28 46 13 31-1571	EA	Thumbatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	51.03	9.72
28 46 13 31-1572	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	163.90	19.45

28 46 13 31-1573 LED Displays (28 46 13 31-0973)

28 46 13 31-1574	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	1,886.77	38.90
28 46 13 31-1575	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	2,651.30	51.87
28 46 13 31-1576	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	2,681.95	51.87
28 46 13 31-1577	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	2,576.28	51.87
28 46 13 31-1578	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	3,601.23	51.87
28 46 13 31-1579	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	2,734.78	51.87

MINOR		TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION		UNIT COST		UNIT COST	
28 46 13 31-1580 Control Relays (28 46 13 31-0973)					
28 46 13 31-1581	EA	Single SPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-101/CR).....	81.28		16.20
28 46 13 31-1582	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	61.94		16.20
28 46 13 31-1583	EA	Four Position SPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-104/CR).....	222.14		32.42
28 46 13 31-1584	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T).....	124.24		16.20
28 46 13 31-1585	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	147.98		16.20
28 46 13 31-1586	EA	24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	228.43		32.42
28 46 13 31-1587	EA	120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	228.43		32.42
28 46 13 31-1588	EA	Single DPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-201/CR)	117.45		32.42
28 46 13 31-1589	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	66.97		16.20
28 46 13 31-1590	EA	Four Position DPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-204/CR)	242.74		32.42
28 46 13 31-1591	EA	24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1).....	85.64		32.42
28 46 13 31-1592	EA	12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2).....	85.64		32.42
28 46 13 31-1593	EA	9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4).....	85.64		32.42
28 46 13 31-1594 Gamewell-FCI Fire Control Instruments (28 46 13 31-0973)					
28 46 13 31-1595 7100 Series And NetSOLO® (28 46 13 31-1594)					
28 46 13 31-1596 7100 Compact Analog Addressable Fire Alarm Control Panels (28 46 13 31-1595)					
28 46 13 31-1597	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M).....	1,190.99		388.97
28 46 13 31-1598	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	5,125.57		648.28
28 46 13 31-1599	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	5,606.33		648.28
28 46 13 31-1600	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E).....	5,125.57		648.28
28 46 13 31-1601	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E).....	5,606.33		648.28
28 46 13 31-1602	EA	Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	1,610.87		
28 46 13 31-1603	EA	Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	1,932.50		
28 46 13 31-1604	EA	Analog Loop Unit (Gamewell-FCI ALU).....	1,932.50		64.82
28 46 13 31-1605 NetSOLO® Intelligent Network (28 46 13 31-1595)					
28 46 13 31-1606	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO)	2,144.10		64.82
		Note: Mounted in 7100 panel.			
28 46 13 31-1607	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP).....	1,702.28		64.82
		Note: Mounted in 7100 panel.			
28 46 13 31-1608 Components And Accessories (28 46 13 31-1595)					
28 46 13 31-1609	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	1,055.37		48.62
28 46 13 31-1610	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	800.01		64.82
28 46 13 31-1611	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1).....	1,472.06		64.82
28 46 13 31-1612	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	590.10		64.82
28 46 13 31-1613	EA	Enclosure Box (Gamewell-FCI EN-7100)	474.31		129.66
28 46 13 31-1614	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	1,540.95		32.42
28 46 13 31-1615 E3 Series® Basic System (28 46 13 31-1594)					
28 46 13 31-1616	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	1,410.88		64.82
28 46 13 31-1617	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	1,211.82		64.82
28 46 13 31-1618	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	1,410.88		64.82
28 46 13 31-1619	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	1,211.82		64.82
28 46 13 31-1620	EA	LCD Keypad Display (Gamewell-FCI LCD-E3).....	898.28		64.82
28 46 13 31-1621	EA	Power Supply Module (Gamewell-FCI PM-9)	1,177.94		64.82
28 46 13 31-1622	EA	Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX)	990.92		64.82
28 46 13 31-1623	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	982.75		32.42
28 46 13 31-1624	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3).....	560.97		64.82
28 46 13 31-1625	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	1,512.10		64.82
28 46 13 31-1626	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP).....	1,266.01		64.82
28 46 13 31-1627	EA	Local Operating Console (Gamewell-FCI 1100-0455).....	844.64		48.62
28 46 13 31-1628	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505).....	2,731.54		48.62
28 46 13 31-1629	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70).....	1,080.31		64.82
28 46 13 31-1630	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	3,303.30		64.82
28 46 13 31-1631	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1).....	753.85		129.66
28 46 13 31-1632	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC).....	552.20		129.66
28 46 13 31-1633	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP).....	120.83		32.42
28 46 13 31-1634	EA	Programmable Switch Module (Gamewell-FCI ASM-16).....	755.89		64.82
28 46 13 31-1635	EA	LED Driver module (Gamewell-FCI ANU-48)	755.89		64.82
28 46 13 31-1636	EA	Network Graphic Annunciator (Gamewell-FCI NGA).....	2,289.77		48.62
28 46 13 31-1637 Addressable Devices, Module, Pulls And Accessories (28 46 13 31-1594)					
28 46 13 31-1638 Velociti® Series Sensors And Bases (28 46 13 31-1637)					
28 46 13 31-1639	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F).....	236.05		48.62
28 46 13 31-1640	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	241.13		48.62
28 46 13 31-1641	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F).....	256.36		48.62
28 46 13 31-1642	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F).....	195.42		48.62
28 46 13 31-1643	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F).....	203.89		48.62
28 46 13 31-1644	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F).....	195.42		48.62
28 46 13 31-1645	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F).....	291.91		48.62

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 46 13 31-1646	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS).....	647.40	48.62
28 46 13 31-1647	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	542.95	81.04
28 46 13 31-1648	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF).....	610.66	81.04
28 46 13 31-1649	EA	Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	292.42	
28 46 13 31-1650	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	59.50	16.20
28 46 13 31-1651	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	698.19	48.62
28 46 13 31-1652	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF).....	138.22	16.20
28 46 13 31-1653	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	2,479.77	97.24

28 46 13 31-1654 Velociti® Series Modules And Pull Station (28 46 13 31-1637)

28 46 13 31-1655	EA	Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F).....	172.31	32.42
28 46 13 31-1656	EA	Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF)	279.81	32.42
28 46 13 31-1657	EA	Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F).....	189.24	32.42
28 46 13 31-1658	EA	Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF)	267.96	32.42
28 46 13 31-1659	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	223.10	32.42
28 46 13 31-1660	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	231.56	32.42
28 46 13 31-1661	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	321.79	64.82
28 46 13 31-1662	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	239.18	32.42
28 46 13 31-1663	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	38.36	6.48

28 46 13 31-1664 Components And Accessories (28 46 13 31-1637)

28 46 13 31-1665	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z).....	94.19	25.93
		Note: Mounts on single gang box.		
28 46 13 31-1666	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	47.09	12.97
28 46 13 31-1667	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	50.48	12.97
28 46 13 31-1668	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	60.35	16.20
28 46 13 31-1669	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	98.15	19.45
28 46 13 31-1670	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451).....	146.67	25.93
		Note: Mounts on single gang box.		

28 46 13 31-1671 Fixed And Rate of Rise Heat Detectors (28 46 13 31-1637)

28 46 13 31-1672	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	126.02	48.62
28 46 13 31-1673	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	126.02	48.62
28 46 13 31-1674	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	124.36	48.62
28 46 13 31-1675	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	124.36	48.62

28 46 13 31-1676 NAC Expander/Power Supply (28 46 13 31-1637)

28 46 13 31-1677	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	2,256.07	518.62
28 46 13 31-1678	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,934.44	518.62
28 46 13 31-1679	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	2,095.26	518.62

28 46 13 31-1680 Batteries And Accessories (28 46 13 31-1594)

28 46 13 31-1681	EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	355.98	32.42
28 46 13 31-1682	EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	907.84	32.42
28 46 13 31-1683	EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	186.70	32.42
28 46 13 31-1684	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653).....	436.06	64.82
28 46 13 31-1685	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654).....	436.06	64.82
28 46 13 31-1686	EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	386.97	64.82

28 46 13 31-1687 Electronic Door Holders (28 46 13 31-1594)

Note: Rixson products.

28 46 13 31-1688	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	62.74	6.48
28 46 13 31-1689	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder (Gamewell-FCI 140-90000)	503.51	48.62
28 46 13 31-1690	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	688.03	48.62
28 46 13 31-1691	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002).....	319.68	48.62
28 46 13 31-1692	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	304.44	48.62
28 46 13 31-1693	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004).....	319.68	48.62
28 46 13 31-1694	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	319.00	48.62

28 46 13 31-1695 Fire Alarm Programming (28 46 13 31-1594)

Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.

28 46 13 31-1696	EA	Program And Test Up To 5 Total Fire Alarm Devices	500.00	
28 46 13 31-1697	EA	Program And Test >5 To 20 Total Fire Alarm Devices	1,000.00	
28 46 13 31-1698	EA	Program And Test >20 To 50 Total Fire Alarm Devices	2,000.00	

28 46 13 31-1699 Fire-Lite Fire Alarm (28 46 13 31-0972)**28 46 13 31-1700 Intelligent Addressable Fire Alarm Control Panel** (28 46 13 31-1699)

28 46 13 31-1701	EA	50 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-50X)	1,357.27	259.32
28 46 13 31-1702	EA	198 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-200X)	1,744.70	291.72
28 46 13 31-1703	EA	954 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-1000X)	2,596.29	324.14
28 46 13 31-1704	EA	Loop Expander Module (Fire-Lite SLC-3LS).....	768.06	48.62

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1705	EA	Optional Cabinet For 1 Or 2 Modules (Fire-Lite BB-2F).....	215.38	32.42
28 46 13 31-1706	EA	Optional Cabinet For Up To 6 Modules Mounted On CHS-6 (Fire-Lite BB-6F)	303.63	32.42
28 46 13 31-1707	EA	Battery Back Box (Fire-Lite BB-26).....	186.54	19.45
28 46 13 31-1708	EA	Battery Box (Fire-Lite BB-55F).....	343.18	19.45
28 46 13 31-1709	EA	Chassis, Mounts Up To 6 Multi-Modules In A BB-6F Cabinet (Fire-Lite CHS-6)	94.75	12.97
28 46 13 31-1710	EA	Chassis, Mounts Up To Six Multi-Modules In A BB-6F Cabine (Fire-Lite CHG-75).....	804.07	32.42
28 46 13 31-1711	EA	Battery Charger For Lead-Acid Batteries With A Rating Of 25 To 75 AH (Fire-Lite CHG-120F)	1,713.61	64.82
28 46 13 31-1712	EA	6 AMP, NAC Expander Power Supply (Fire-Lite FL-PS6)	932.07	32.42
28 46 13 31-1713	EA	10 AMP, NAC Expander Power Supply (Fire-Lite FL-PS10)	963.02	32.42
28 46 13 31-1714	EA	Remote, Red LCD Annunciator Mimics The Information Displayed On The Face LCD Display (Fire-Lite ANN-80).....	378.25	32.42
28 46 13 31-1715	EA	Led Driver Module Provides Connections To A User Supplied Graphic Annunciator (Fire-Lite ANN-I/O)	462.47	32.42
28 46 13 31-1716	EA	Annunciator Module Provides Three Leds For Each Zone: Alarm, Trouble, And Supervisory. Ships With Red Enclosure (Fire-Lite ANN-LED)	404.71	32.42
28 46 13 31-1717	EA	Provides Alarm (Red) Indicators For Up To 30 Input Zones Or Addressable Points (Fire-Lite ANN-RLED).....	404.71	32.42
28 46 13 31-1718	EA	Relay Module Provides 10 Programmable Form-C Relays (Fire-Lite ANN-RLY)	325.83	32.42
28 46 13 31-1719	EA	Serial/Parallel Printer Gateway Module (Fire-Lite ANN-S/PG).....	318.70	32.42
28 46 13 31-1720	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD365(A))	166.78	48.62
28 46 13 31-1721	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD365T(A)).....	186.26	48.62
28 46 13 31-1722	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD365R(A)).....	191.84	48.62
28 46 13 31-1723	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (CO) Detection (Fire-Lite SD365CO).....	339.13	48.62
28 46 13 31-1724	EA	Low-Profile 135°F Fixed Thermal Sensor (Fire-Lite H365(A))	159.82	48.62
28 46 13 31-1725	EA	Low-Profile, Intelligent, Rate-Of-Rise Thermal Sensor (Fire-Lite H365R(A)).....	179.22	48.62
28 46 13 31-1726	EA	Low-Profile Intelligent 190°F/88°C Fixed Thermal Sensor (Fire-Lite H365HT(A))	210.85	48.62
28 46 13 31-1727	EA	Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite D365PL)	653.34	48.62
28 46 13 31-1728	EA	Addressable Low-Profile Ionization Smoke Detector (Fire-Lite CP355(A)).....	245.29	48.62
28 46 13 31-1729	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD355(A))	166.78	48.62
28 46 13 31-1730	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD355T(A)).....	213.80	48.62
28 46 13 31-1731	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD355R(A)).....	238.71	48.62
28 46 13 31-1732	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (Co) Detection (Fire-Lite SD355CO).....	177.21	48.62
28 46 13 31-1733	EA	Fast-Response, Low-Profile Heat Detector (Fire-Lite H355(A)).....	213.15	48.62
28 46 13 31-1734	EA	Fast-Response, Low-Profile Heat Detector With Rate-Of-Rise Option (Fire-Lite H355R(A)).....	206.47	48.62
28 46 13 31-1735	EA	Fast-Response, Low-Profile Heat Detector That Activates At 190°F/88°C (Fire-Lite H355HT(A))	240.91	48.62
28 46 13 31-1736	EA	Low-Profile, Intelligent, "Adapt" Multi-Sensor Detector (B350LP Base Included) (Fire-Lite AD355(A)).....	235.42	48.62
28 46 13 31-1737	EA	Programmable, Addressable Sounder Base (Fire-Lite B200S(A)-WH).....	149.76	32.42
28 46 13 31-1738	EA	Addressable Sounder Base (Fire-Lite B200SR(A)-WH)	172.37	32.42
28 46 13 31-1739	EA	Programmable, Addressable Sounder Base, Low-Frequency (Fire-Lite B200S-LF-WH)	196.74	32.42
28 46 13 31-1740	EA	Addressable Sounder Base, Low-Frequency (Fire-Lite B200SR-LF-WH)	200.84	32.42
28 46 13 31-1741	EA	Intelligent Beam Smoke Detector (Fire-Lite BEAM355).....	1,780.67	48.62
28 46 13 31-1742	EA	Intelligent Beam Smoke Detector With Integral Sensitivity Test (Fire-Lite BEAM355S)	2,037.30	48.62
28 46 13 31-1743	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Includes SD355R) (Fire-Lite D355PL(A)).....	290.51	32.42
28 46 13 31-1744	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite DNR(A))	177.73	32.42
28 46 13 31-1745	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing, With NEMA-4 Rating, Watertight (Fire-Lite DNRW)	271.49	32.42
28 46 13 31-1746	EA	Addressable Control Module For One Class B Or A Zone Of Supervised Polarized Notification Appliances (Fire-Lite CMF-300).....	115.60	19.45
28 46 13 31-1747	EA	Six-Circuit Supervised Control Module (Fire-Lite CMF-300-6).....	592.42	32.42
28 46 13 31-1748	EA	Addressable Relay Module Containing Two Isolated Sets Of Form-C Contacts, Which Operate As A Dpdt Switch (Fire-Lite CRF-300)	174.59	32.42
28 46 13 31-1749	EA	Six-Relay Control Module (Form-C Relays) (Fire-Lite CRF-300-6).....	495.30	32.42
28 46 13 31-1750	EA	Module Isolates The SLC (DCL) Loop From Short Circuit Conditions (Fire-Lite I300).....	94.60	16.20
28 46 13 31-1751	EA	Six-Fault Isolator Module (Fire-Lite ISO-6)	444.05	32.42
28 46 13 31-1752	EA	Dual Monitor Module (Fire-Lite MDF-300)	211.76	32.42
28 46 13 31-1753	EA	Addressable Monitor Module For One Zone Of Normally-Open Dry-Contact Initiating Devices (Fire-Lite MMF-300)	94.34	16.20
28 46 13 31-1754	EA	Ten-Input Monitor Module (Fire-Lite MMF-300-10).....	640.96	32.42
28 46 13 31-1755	EA	Miniature Version Of MMF-300 (Fire-Lite MMF-301).....	125.57	25.93
28 46 13 31-1756	EA	Addressable Monitor Module For One Zone Of Conventional Two-Wire Detectors (Fire-Lite MMF-302).....	178.39	32.42
28 46 13 31-1757	EA	Six-Zone Interface Module (Fire-Lite MMF-302-6).....	633.96	32.42
28 46 13 31-1758	EA	Mount For Modules (Fire-Lite SMB500).....	19.03	3.24
28 46 13 31-1759	Addressable Control Panels (28 46 13 31-1699)			
28 46 13 31-1760	EA	25 Point Intelligent Control (Fire Lite MS-25).....	2,211.70	648.28
28 46 13 31-1761	EA	50 Point Intelligent Control (Fire Lite MS-9050UD).....	2,434.35	648.28
28 46 13 31-1762	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS).....	3,425.81	648.28
28 46 13 31-1763	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	5,050.50	648.28
28 46 13 31-1764	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS).....	4,950.30	648.28
28 46 13 31-1765	EA	IP And 4G Cellur Fire Alarm Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G).....	694.42	
28 46 13 31-1766	Silent Knight Fire Alarm (28 46 13 31-0972)			
28 46 13 31-1767	Addressable Fire Alarm Control Panel (28 46 13 31-1766)			
28 46 13 31-1768	EA	Addressable Fire Alarm Control Panel (Silent Knight 6820)	2,674.16	324.14
28 46 13 31-1769	Intelligent Addressable Fire Alarm Control Panel with Emergency Voice System (28 46 13 31-1766)			
28 46 13 31-1770	EA	Intelligent Fire Alarm Control Panel with Emergency Voice System (Silent Knight 6820EVS)	5,160.58	324.14
28 46 13 31-1771	Compatable EVS Equipment (28 46 13 31-1766)			
28 46 13 31-1772	EA	50 Watt Amplifier (Silent Knight EVS-50W)	942.06	64.82

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1773	EA	125 Watt Amplifier (Silent Knight EVS-125W)	1,646.02	64.82
28 46 13 31-1774	EA	50/100 Watt Amplifier (Silent Knight EVS-100W)	2,044.27	64.82
28 46 13 31-1775	EA	External Backup Amplifier (Silent Knight EVS-100WBU)	723.23	64.82
28 46 13 31-1776	EA	50 Watt Internal Amplifier (Silent Knight EVS-INT50W)	680.51	64.82
28 46 13 31-1777	EA	4 Additional Audio Circuits (Silent Knight EVS-CE4)	246.85	16.20
28 46 13 31-1778	EA	Remote Voice Module (Silent Knight EVS-RVM)	1,095.25	25.93
28 46 13 31-1779	EA	24 Switch Expander (Silent Knight EVS-SW24)	437.02	32.42
28 46 13 31-1780	EA	Network Voice Control Module (Silent Knight EVS-VCN)	1,310.30	25.93
28 46 13 31-1781	EA	Local Operator Console (Silent Knight EVS-LOC)	1,767.64	64.82

28 46 13 31-1782 **Compatible SBUS Devices** (28 46 13 31-1786)

28 46 13 31-1783	EA	4x40 LCD Remote Fire Annunciator With Four Programmable Buttons, Red (Silent Knight 6860)	1,061.86	64.82
28 46 13 31-1784	EA	4x20 LCD Remote Fire Annunciator, Gray (Silent Knight 5860)	480.71	64.82
28 46 13 31-1785	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 5860R)	570.98	64.82
28 46 13 31-1786	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 6855)	378.39	64.82
28 46 13 31-1787	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) (Silent Knight 5865-3)	484.10	64.82
28 46 13 31-1788	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) With Key Switches For Silence And Reset, And A System Trouble Led (Silent Knight 5865-4)	511.25	64.82
28 46 13 31-1789	EA	LED I/O Module With 40 Programmable LED Outputs And Eight Supervised Dry Contact Inputs (Silent Knight 5880)	399.13	48.62
28 46 13 31-1790	EA	Relay Interface. Provides 10 Form C Relays (Silent Knight 5883)	242.45	32.42
28 46 13 31-1791	EA	Serial/Parallel Printer Interface Module For Printer Connection (Silent Knight 5824)	326.88	32.42

28 46 13 31-1792 **SK Compatible Addressable Device** (28 46 13 31-1796)

28 46 13 31-1793	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature (Silent Knight SK-ACCLIMATE)	174.41	48.62
28 46 13 31-1794	EA	Reflected Beam Smoke Detector Without Test Feature (Silent Knight SK-BEAM)	970.17	48.62
28 46 13 31-1795	EA	Reflected Beam Smoke Detector With Test Feature (Silent Knight SK-BEAM-T)	1,099.20	48.62
28 46 13 31-1796	EA	Reflected Beam Smoke Detector, SK Protocol (Silent Knight OSI-RI-SK)	1,239.12	48.62
28 46 13 31-1797	EA	Supervised Control Module (Silent Knight SK-CONTROL)	172.71	48.62
28 46 13 31-1798	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	510.13	64.82
28 46 13 31-1799	EA	Photoelectric Duct Smoke Detector With Extended Air Speed Range (Silent Knight SK-DUCT)	277.37	48.62
28 46 13 31-1800	EA	Four Criteria Fire And Carbon Monoxide Detector (Silent Knight SK-FIRE-CO)	250.77	48.62
28 46 13 31-1801	EA	Four Criteria Fire And Carbon Monoxide Detector, White (Silent Knight SK-FIRE-CO-W)	279.51	48.62
28 46 13 31-1802	EA	Fixed Thermal Detector (135°F) (Silent Knight SK-HEAT)	159.00	48.62
28 46 13 31-1803	EA	Fixed Thermal Detector (135°F), White (Silent Knight SK-HEAT-W)	163.37	48.62
28 46 13 31-1804	EA	Fixed Rate Of Rise Detector (Silent Knight SK-HEAT-ROR)	160.72	48.62
28 46 13 31-1805	EA	Fixed Rate Of Rise Detector, White (Silent Knight SK-HEAT-ROR-W)	163.37	48.62
28 46 13 31-1806	EA	Fixed High Temperature Heat Detector (190°F) (Silent Knight SK-HEAT-HT)	159.00	48.62
28 46 13 31-1807	EA	Fixed High Temperature Heat Detector (190°F), White (Silent Knight SK-HEAT-HT-W)	163.37	48.62
28 46 13 31-1808	EA	Fault Isolator Module (Silent Knight SK-ISO)	159.00	48.62
28 46 13 31-1809	EA	Mini Monitor Module (Silent Knight SK-MINIMON)	146.98	48.62
28 46 13 31-1810	EA	Monitor Module (Silent Knight SK-MONITOR)	155.87	48.62
28 46 13 31-1811	EA	Dual Input Monitor Module (Silent Knight SK-MONITOR-2)	200.18	48.62
28 46 13 31-1812	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	574.64	64.82
28 46 13 31-1813	EA	Photoelectric Smoke Detector (Silent Knight SK-PHOTO)	162.43	48.62
28 46 13 31-1814	EA	Photoelectric Smoke Detector, White (Silent Knight SK-PHOTO-W)	171.43	48.62
28 46 13 31-1815	EA	Photoelectric Detector With Remote Test Capability (Silent Knight SK-PHOTO-R)	164.99	48.62
28 46 13 31-1816	EA	Photoelectric Detector With Remote Test Capability, White (Silent Knight SK-PHOTO-R-W)	174.12	48.62
28 46 13 31-1817	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F) (Silent Knight SK-PHOTO-T)	169.29	48.62
28 46 13 31-1818	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F), White (Silent Knight SK-PHOTO-T-W)	178.40	48.62
28 46 13 31-1819	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature, White (Silent Knight SK-PTIR-W)	189.14	48.62
28 46 13 31-1820	EA	Addressable Single Action Pull Station (Silent Knight SK-PULL-SA)	151.57	32.42
28 46 13 31-1821	EA	Addressable Dual Action Pull Station (Silent Knight SK-PULL-DA)	151.57	32.42
28 46 13 31-1822	EA	Addressable Relay Module (Silent Knight SK-RELAY)	140.29	32.42
28 46 13 31-1823	EA	Addressable Six Relay Control Module (Silent Knight SK-RELAY-6)	496.89	64.82
28 46 13 31-1824	EA	Addressable Dual Relay/Monitor Module (Silent Knight SK-RELAYMON-2)	311.67	48.62
28 46 13 31-1825	EA	Addressable Zone Interface Module (Silent Knight SK-ZONE)	186.45	48.62
28 46 13 31-1826	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	597.81	64.82

28 46 13 31-1827 **SK Bases** (28 46 13 31-1796)

28 46 13 31-1828	EA	6" Mounting Base (Silent Knight B210LP)	46.57	16.20
28 46 13 31-1829	EA	4" Flangeless Mounting Base (Silent Knight B501)	49.43	16.20
28 46 13 31-1830	EA	Intelligent Sounder Base (Silent Knight B200S)	94.16	16.20
28 46 13 31-1831	EA	Low-Frequency Intelligent Sounder Base (Silent Knight B200-LF)	130.21	16.20
28 46 13 31-1832	EA	Relay Base (Silent Knight B224RB)	77.72	16.20
28 46 13 31-1833	EA	Isolator Base (Silent Knight B224BI)	76.84	16.20

28 46 13 31-1834 **SD Compatible Addressable Device** (28 46 13 31-1796)

28 46 13 31-1835	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	44.76	16.20
28 46 13 31-1836	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	59.84	16.20
28 46 13 31-1837	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	160.69	16.20
28 46 13 31-1838	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	166.34	16.20
28 46 13 31-1839	EA	Addressable Input Module (Silent Knight SD500-AIM)	270.06	48.62
28 46 13 31-1840	EA	Addressable Notification Module (Silent Knight SD500-ANM)	258.51	48.62
28 46 13 31-1841	EA	Addressable Relay Module (Silent Knight SD500-ARM)	278.48	48.62

28 46 13 31-1842 **System Expanders** (28 46 13 31-1796)

28 46 13 31-1843	EA	SLC Expander For IDP Or SK Devices (Silent Knight 6815)	569.38	64.82
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MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
28 46 13 31-1844	EA	SLC Expander For SD Devices (Silent Knight 5815XL).....	502.76		64.82
28 46 13 31-1845	EA	6A Power Supply With 6 Flexput Circuits And 2 Form C Relays (Silent Knight RPS-1000)	885.32		32.42
28 46 13 31-1846	EA	6 AMP NAC Power Expander With 4 Power-Limited Output Ckts (Silent Knight 5496).....	626.95		97.24
28 46 13 31-1847 Miscellaneous Accessories (28 46 13 31-1766)					
28 46 13 31-1848	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB).....	152.30		32.42
28 46 13 31-1849 Silent Knight Fire Alarm (28 46 13 31-0972)					
28 46 13 31-1850	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS).....	5,575.82		324.14
28 46 13 31-1851	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU).....	2,305.74		194.48
28 46 13 31-1852	EA	Voice Evacuation System (Silent Knight SKE-450)	2,768.29		129.66
28 46 13 31-1853	EA	Fire Fighters Telephone (Silent Knight SK-FFT).....	2,293.61		129.66
28 46 13 31-1854	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	2,437.16		194.48
28 46 13 31-1855	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,742.08		129.66
28 46 13 31-1856	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	1,327.45		129.66
28 46 13 31-1857	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600).....	1,142.18		129.66
28 46 13 31-1858	EA	Ionization Smoke Detector (Silent Knight SK-ION).....	216.71		48.62
28 46 13 31-1859	EA	Sounder Base (Silent Knight B200SR).....	123.53		16.20
28 46 13 31-1860	EA	Intelligent Sounder Base (Silent Knight B200S).....	130.93		16.20
28 46 13 31-1861	EA	Isolator Base (Silent Knight B224BI).....	102.62		16.20
28 46 13 31-1862	EA	Relay Base (Silent Knight B224RB).....	103.83		16.20
28 46 13 31-1863	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	211.98		48.62
28 46 13 31-1864	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	193.87		48.62
28 46 13 31-1865	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS).....	198.20		48.62
28 46 13 31-1866	EA	6" Isolator Base (Silent Knight SD505-6IB).....	129.71		16.20
28 46 13 31-1867	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED).....	860.06		97.24
28 46 13 31-1868	EA	Loop Isolator Module (Silent Knight SD500-LIM)	205.60		48.62
28 46 13 31-1869	EA	Addressable Mini Input Module (Silent Knight SD500-MIM).....	162.11		32.42
28 46 13 31-1870	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS).....	209.49		32.42
28 46 13 31-1871	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	200.00		32.42
28 46 13 31-1872	EA	Back Box (Silent Knight SK-PSSMBB)	91.58		25.93
28 46 13 31-1873	EA	Smoke Detector Module (Silent Knight SD500-SDM).....	230.04		48.62
28 46 13 31-1874	EA	Addressable Duct Housing (Silent Knight SD505-DUCT).....	334.24		48.62
28 46 13 31-1875	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR).....	488.42		48.62
28 46 13 31-1876	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS).....	203.14		48.62
28 46 13 31-1877	EA	Intelligent Power Module (Silent Knight 5895XL).....	1,240.53		129.66
28 46 13 31-1878	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	200.00		32.42
28 46 13 31-1879	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	697.65		97.24
28 46 13 31-1880	EA	Communicator (Silent Knight IPGSM-4G)	1,035.55		64.82
28 46 13 31-1881	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,635.85		129.66
28 46 13 31-1882	EA	10 Zone Expander (Silent Knight SK-5217).....	458.32		32.42
28 46 13 31-1883	EA	Remote Annunciator (Silent Knight SK-5235).....	458.34		64.82
28 46 13 31-1884	EA	Status Display Module (Silent Knight 5280).....	132.56		32.42
28 46 13 31-1885	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4).....	929.47		129.66
28 46 13 31-1886	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	947.76		129.66
28 46 13 31-1887	EA	Dress Panel (Silent Knight SK-DP2/4).....	175.64		32.42
28 46 13 31-1888	EA	Class A Convertor (Silent Knight SK-CAC4).....	458.33		48.62
28 46 13 31-1889	EA	Transmitter Module (Silent Knight SK-4XTM)	241.91		48.62
28 46 13 31-1890	EA	LED Interface Module (Silent Knight SK-4XLM).....	222.93		48.62
28 46 13 31-1891	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	228.46		32.42
28 46 13 31-1892	EA	Remote Annunciator (Silent Knight SK-RZA4)	222.93		48.62
28 46 13 31-1893	EA	Zone Relay Module (Silent Knight SK-4XZM).....	239.53		48.62
28 46 13 31-1894	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	803.66		129.66
28 46 13 31-1895	EA	Manual Pull Station (single action) (Silent Knight PS-SATK).....	110.74		32.42
28 46 13 31-1896	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	119.90		32.42
28 46 13 31-1897	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	117.33		32.42
28 46 13 31-1898	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	104.76		32.42
28 46 13 31-1899	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	234.32		38.90
28 46 13 31-1900	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495).....	812.02		97.24
28 46 13 31-1901	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499).....	912.66		97.24
28 46 13 31-1902	EA	Detector (Silent Knight IDP-PhotoR).....	279.76		48.62
28 46 13 31-1903	EA	Monitoring Module (Silent Knight IDP).....	289.37		48.62
28 46 13 31-1904	EA	I/O Input-Output Module (Silent Knight SK-2880)	737.28		32.42
28 46 13 31-1905	EA	Remote Annunciator (Silent Knight RA-2000)	2,115.78		97.24
28 46 13 31-1906	EA	Power Supply (Silent Knight 5195/96)	1,313.66		32.42
28 46 13 31-1907	EA	8 Zone Expander (Silent Knight SK-5210).....	1,025.47		32.42
28 46 13 31-1908	EA	LCD Remote Annunciator (Silent Knight SK-5230).....	435.19		64.82
28 46 13 31-1909	EA	Ionization Smoke Detector (Silent Knight SK-ION).....	216.71		48.62
28 46 13 31-1910	EA	Addressable Relay Module (Silent Knight IDP-Relay).....	241.34		48.62
28 46 13 31-1911	EA	Telephone Line Monitor (Silent Knight SK-7150).....	151.28		32.42
28 46 13 31-1912	EA	Serial Driver Board (Silent Knight SK-2884)	278.08		32.42
28 46 13 31-1913	EA	Smoke Detector Base (Silent Knight IDP-6AB).....	80.45		16.20
28 46 13 31-1914	EA	Mini Input Module (Silent Knight IDP-MINIMON).....	208.92		32.42
28 46 13 31-1915	EA	Status Display Module (Silent Knight SK-4180).....	756.49		32.42
28 46 13 31-1916	EA	8-Channel Digital Communicator (Silent Knight SK-1420).....	449.08		32.42
28 46 13 31-1917	EA	Serial Parallel Module (Silent Knight SK-4824).....	410.65		32.42
28 46 13 31-1918	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	1,505.80		32.42
28 46 13 31-1919	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204).....	2,564.88		129.66
28 46 13 31-1920	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION).....	289.37		48.62
28 46 13 31-1921	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	241.34		48.62

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-1922		Alerton Fire Alarm (28 46 13 31)			
28 46 13 31-1923	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	616.70	9.72	
28 46 13 31-1924		Cooper Fire Alarm (28 46 13 31)			
28 46 13 31-1925	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R)	205.55	32.42	
28 46 13 31-1926	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	4,697.37	55.10	
28 46 13 31-1927	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	6,196.98	55.10	
28 46 13 31-1928	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	2,257.45	64.82	
28 46 13 31-1929	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	2,270.78	64.82	
28 46 13 31-1930	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	2,270.78	64.82	
28 46 13 31-1931	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	1,680.93	64.82	
28 46 13 31-1932	EA	Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	1,680.93	64.82	
28 46 13 31-1933	EA	Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	1,680.93	64.82	
28 46 13 31-1934	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	2,270.78	64.82	
28 46 13 31-1935	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	2,270.78	64.82	
28 46 13 31-1936	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	2,270.78	64.82	
28 46 13 31-1937	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	2,270.78	64.82	
28 46 13 31-1938	EA	Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	2,270.78	64.82	
28 46 13 31-1939	EA	Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	2,615.69	64.82	
28 46 13 31-1940	EA	Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	2,429.07	64.82	
28 46 13 31-1941	EA	Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	2,429.07	64.82	
28 46 13 31-1942	EA	Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	2,429.07	64.82	
28 46 13 31-1943		Light Engineered Displays Message Boards (28 46 13 31)			
28 46 13 31-1944	EA	Two Message Sign, Announcement And Evacuate (LED SP-2/MNS)	968.76	38.90	
28 46 13 31-1945	EA	Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4)	854.08	38.90	
28 46 13 31-1946		Safety Technology International Fire Alarm (28 46 13 31)			
28 46 13 31-1947		Enclosures (28 46 13 31-1946)			
28 46 13 31-1948	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O)	152.43	19.45	
28 46 13 31-1949	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W)	198.05	19.45	
28 46 13 31-1950	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O)	155.47	19.45	
28 46 13 31-1951	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W)	199.06	19.45	
28 46 13 31-1952	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O)	159.53	19.45	
28 46 13 31-1953	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W)	229.47	19.45	
28 46 13 31-1954	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O)	166.62	19.45	
28 46 13 31-1955	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W)	228.46	19.45	
28 46 13 31-1956	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O)	178.79	19.45	
28 46 13 31-1957	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W)	247.72	19.45	
28 46 13 31-1958	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O)	212.24	19.45	
28 46 13 31-1959	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W)	320.70	19.45	
28 46 13 31-1960	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O)	228.46	19.45	
28 46 13 31-1961	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W)	403.82	19.45	
28 46 13 31-1962	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O)	242.65	19.45	
28 46 13 31-1963	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W)	415.99	19.45	
28 46 13 31-1964	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O)	288.26	19.45	
28 46 13 31-1965	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W)	427.14	19.45	
28 46 13 31-1966	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O)	415.99	19.45	
28 46 13 31-1967	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W)	616.69	19.45	
28 46 13 31-1968	EA	6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O)	113.91	19.45	
28 46 13 31-1969	EA	6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T)	124.05	19.45	
28 46 13 31-1970	EA	8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O)	118.47	19.45	
28 46 13 31-1971	EA	8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T)	127.09	19.45	
28 46 13 31-1972	EA	8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O)	122.53	19.45	
28 46 13 31-1973	EA	8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T)	132.66	19.45	
28 46 13 31-1974	EA	10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O)	124.05	19.45	
28 46 13 31-1975	EA	10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T)	144.83	19.45	
28 46 13 31-1976	EA	10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O)	130.13	19.45	
28 46 13 31-1977	EA	10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T)	148.88	19.45	
28 46 13 31-1978	EA	10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O)	135.71	19.45	
28 46 13 31-1979	EA	10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T)	151.42	19.45	
28 46 13 31-1980	EA	12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O)	137.23	19.45	
28 46 13 31-1981	EA	12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T)	156.49	19.45	
28 46 13 31-1982	EA	14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O)	160.54	19.45	
28 46 13 31-1983	EA	14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T)	199.06	19.45	
28 46 13 31-1984	EA	16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O)	176.76	19.45	
28 46 13 31-1985	EA	16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T)	237.58	19.45	

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1986	EA	18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O)	196.02	19.45
28 46 13 31-1987	EA	18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T)	254.81	19.45
28 46 13 31-1988	EA	18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O)	222.37	19.45
28 46 13 31-1989	EA	18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T)	298.40	19.45
28 46 13 31-1990	EA	20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O)	353.14	19.45
28 46 13 31-1991	EA	20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T)	369.36	19.45
28 46 13 31-1992	EA	24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O)	531.54	19.45
28 46 13 31-1993	EA	24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T)	615.68	19.45
28 46 13 31-1994 STI® Fire Alarm Devices (28 46 13 31-1946)				
28 46 13 31-1995	EA	Pull Station Polycarbonate Cover, Semi-Flush With Horn (STI-1100)	182.33	19.45
		Note: Includes 9 Volt DC self contained battery.		
28 46 13 31-1996	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	199.06	19.45
28 46 13 31-1997	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	117.21	19.45
28 46 13 31-1998	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D)	118.22	19.45
		Note: For surface mounted horn strobes.		
28 46 13 31-1999	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	105.04	19.45
28 46 13 31-2000	EA	Strobe Damage Stopper And Open Back Box With Conduit Knockout (STI-1221D)	118.22	19.45
		Note: For surface mounted strobe.		
28 46 13 31-2001	EA	Strobe Damage Stopper And Open Back Box, Semi-Flush (STI-1221E)	95.16	19.45
28 46 13 31-2002	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	224.40	19.45
28 46 13 31-2003	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230)	149.39	19.45
		Note: For surface mounted pull stations.		
28 46 13 31-2004	EA	Backplate For Polycarbonate Cover (STI-1280)	70.93	19.45
28 46 13 31-2005	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	51.06	19.45
28 46 13 31-2006	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	72.05	19.45
28 46 13 31-2007	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	167.13	19.45
28 46 13 31-2008	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	138.24	19.45
28 46 13 31-2009	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	101.75	19.45
28 46 13 31-2010	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	96.17	19.45
28 46 13 31-2011	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	92.88	19.45
28 46 13 31-2012	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	96.17	19.45
28 46 13 31-2013	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	92.88	19.45
28 46 13 31-2014	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	96.17	19.45
28 46 13 31-2015	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	92.88	19.45
28 46 13 31-2016	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	183.35	19.45
28 46 13 31-2017	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	86.24	19.45
28 46 13 31-2018	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	110.55	19.45
28 46 13 31-2019	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	131.65	19.45
28 46 13 31-2020	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	131.65	19.45
28 46 13 31-2021	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	95.16	19.45
28 46 13 31-2022	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	95.16	19.45
28 46 13 31-2023	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	86.24	19.45
28 46 13 31-2024	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	95.16	19.45
28 46 13 31-2025	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	95.16	19.45
28 46 13 31-2026	EA	Yellow, High Threat, Push Button Station (STI SS-2201)	134.00	9.72
28 46 13 31-2027	EA	Gasket Kit For STI Covers (STI SUB-121)	55.72	
28 46 13 31-2028	EA	Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT)	237.58	19.45
28 46 13 31-2029	EA	No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV)	129.62	19.45
28 46 13 31-2030	EA	No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM)	129.62	19.45
28 46 13 31-2031	EA	Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM)	237.58	19.45
28 46 13 31-2032	EA	Flush Mounted, Weather Stopper II (STI-1250)	139.51	19.45
28 46 13 31-2033	EA	Flush Mounted, Clear, Universal Stopper (STI-1300NC)	92.88	19.45
28 46 13 31-2034	EA	Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR)	159.02	19.45
28 46 13 31-2035	EA	Surface Mounted, Clear, Universal Stopper (STI-1320NC)	111.88	19.45
28 46 13 31-2036	EA	Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR)	122.02	19.45
28 46 13 31-2037	EA	Surface Mounted, No Label, White, Universal Stopper (STI-13210NW)	132.66	19.45
28 46 13 31-2038	EA	Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY)	132.66	19.45
28 46 13 31-2039	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR)	177.77	19.45
28 46 13 31-2040	EA	Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY)	187.91	19.45
28 46 13 31-2041	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR)	223.39	19.45
28 46 13 31-2042	EA	Stopper II, Weather Gasket (STI-3002)	50.00	19.45
28 46 13 31-2043	EA	Large, Break Glass Stopper (STI-4100)	131.65	19.45
28 46 13 31-2044	EA	Stopper "G" Standard Break Glass Cover (STI-6100)	127.09	19.45
28 46 13 31-2045	EA	Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A)	122.78	19.45
28 46 13 31-2046	EA	Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530)	326.78	19.45
28 46 13 31-2047	EA	Heated, Metal, Protective Cabinet (STI-7560AH)	4,559.87	19.45
28 46 13 31-2048	EA	Stainless Steel Guard (STI-9604SS)	88.57	19.45
28 46 13 31-2049	EA	5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621)	79.70	19.45
28 46 13 31-2050 System Sensor Fire Alarm (28 46 13 31)				
28 46 13 31-2051 Smoke Detectors (28 46 13 31-2050)				
28 46 13 31-2052	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	63.88	64.82
28 46 13 31-2053	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR)	268.12	64.82
		Note: Four used with long range kit.		
28 46 13 31-2054	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	328.74	64.82
28 46 13 31-2055	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	241.21	64.82
28 46 13 31-2056	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	196.59	64.82
28 46 13 31-2057	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	213.20	48.62
28 46 13 31-2058	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	180.48	48.62
28 46 13 31-2059	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	225.69	48.62
28 46 13 31-2060	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	217.21	48.62

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MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-2061	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B)	191.92	48.62
28 46 13 31-2062	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	231.93	48.62
28 46 13 31-2063	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	277.19	48.62
28 46 13 31-2064	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	161.46	32.42
28 46 13 31-2065	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T)	184.79	32.42
Note: Requires B100 series base.				
28 46 13 31-2066	EA	Heavy-Duty Multi-Mount Kit (System Sensor 6500-MMK)	309.30	16.20
28 46 13 31-2067	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy-Duty Multi-Mount Kit (System Sensor 6500-SMK)	105.93	16.20
28 46 13 31-2068	EA	Four Wire, Low Profile, Plug In Detector (System Sensor 2D51)	205.06	48.62

28 46 13 31-2069 Duct Smoke Detectors (28 46 13 31-2050)

28 46 13 31-2070	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	397.01	48.62
28 46 13 31-2071	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	393.57	48.62
28 46 13 31-2072	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	516.38	55.10
28 46 13 31-2073	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	259.33	32.42
28 46 13 31-2074	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	70.36	9.72
28 46 13 31-2075	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	222.35	25.93
28 46 13 31-2076	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	361.15	32.42
28 46 13 31-2077	EA	1' Steel Sampling Tube (System Sensor DST1)	40.69	12.97
28 46 13 31-2078	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	44.58	12.97
28 46 13 31-2079	EA	3' Steel Sampling Tube (System Sensor DST3)	50.47	12.97
28 46 13 31-2080	EA	5' Steel Sampling Tube (System Sensor DST5)	68.99	16.20
28 46 13 31-2081	EA	10' Steel Sampling Tube (System Sensor DST10)	95.99	19.45
28 46 13 31-2082	EA	1' Steel, Exhaust Tube Duct (System Sensor ETX)	46.18	12.97
28 46 13 31-2083	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	105.65	16.20
28 46 13 31-2084	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	229.40	
28 46 13 31-2085	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	246.56	

28 46 13 31-2086 Heat Detectors (28 46 13 31-2050)

28 46 13 31-2087	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	134.70	48.62
28 46 13 31-2088	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	124.36	48.62
28 46 13 31-2089	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	144.72	48.62
28 46 13 31-2090	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	144.72	48.62
28 46 13 31-2091	EA	Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623)	157.01	48.62
28 46 13 31-2092	EA	Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624)	157.01	48.62

28 46 13 31-2093 Horns (28 46 13 31-2050)

28 46 13 31-2094	EA	Red, Mini Horn (System Sensor MHR)	133.57	48.62
28 46 13 31-2095	EA	White, Mini Horn (System Sensor MHW)	133.57	48.62
28 46 13 31-2096	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL)	135.34	48.62
28 46 13 31-2097	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	170.05	55.10
28 46 13 31-2098	EA	Red, Indoor, Wall Mounted, Horn (System Sensor HRL)	135.34	48.62
28 46 13 31-2099	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	213.20	48.62
28 46 13 31-2100	EA	White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL)	135.91	48.62
28 46 13 31-2101	EA	Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL)	135.91	48.62

28 46 13 31-2102 Wall Mounted Horns/Strobes (28 46 13 31-2050)

28 46 13 31-2103	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL)	183.05	48.62
28 46 13 31-2104	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	233.87	48.62
28 46 13 31-2105	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	270.39	55.10
28 46 13 31-2106	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	264.10	55.10
28 46 13 31-2107	EA	Outdoor Back Box, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	276.40	55.10
28 46 13 31-2108	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	269.53	55.10
28 46 13 31-2109	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	256.09	55.10
28 46 13 31-2110	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	222.81	48.62
28 46 13 31-2111	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P)	179.05	48.62
28 46 13 31-2112	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL)	183.05	48.62
28 46 13 31-2113	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	235.54	48.62
28 46 13 31-2114	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	261.81	55.10
28 46 13 31-2115	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	264.10	55.10
28 46 13 31-2116	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	233.87	48.62
28 46 13 31-2117	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	278.11	55.10
28 46 13 31-2118	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	256.09	55.10

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
28 46 13 31-2119	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P).....	178.19		48.62
28 46 13 31-2120	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL).....	219.09		48.62
28 46 13 31-2121	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH).....	277.42		48.62
28 46 13 31-2122	EA	Outdoor Back Box, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK).....	320.72		55.10
28 46 13 31-2123	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R).....	250.37		55.10
28 46 13 31-2124	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL).....	219.09		48.62
28 46 13 31-2125	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK).....	296.83		55.10
28 46 13 31-2126	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	264.67		55.10
28 46 13 31-2127	EA	Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF).....	268.86		48.62
28 46 13 31-2128	EA	White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF).....	268.86		48.62
28 46 13 31-2129	EA	Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL).....	182.48		48.62
28 46 13 31-2130	EA	White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL).....	182.48		48.62
28 46 13 31-2131 Ceiling Mounted Horns/Strobes (28 46 13 31-2050)					
28 46 13 31-2132	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL).....	185.91		48.62
28 46 13 31-2133	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	237.20		48.62
28 46 13 31-2134	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	261.81		55.10
28 46 13 31-2135	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	254.37		55.10
28 46 13 31-2136	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	225.54		48.62
28 46 13 31-2137	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL).....	185.91		48.62
28 46 13 31-2138	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	237.20		48.62
28 46 13 31-2139	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	261.81		55.10
28 46 13 31-2140	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	237.20		48.62
28 46 13 31-2141	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	254.37		55.10
28 46 13 31-2142	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	223.87		48.62
28 46 13 31-2143	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL).....	220.52		48.62
28 46 13 31-2144	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	277.42		48.62
28 46 13 31-2145	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL).....	220.52		48.62
28 46 13 31-2146 Wall Mounted Strobes (28 46 13 31-2050)					
28 46 13 31-2147	EA	White Strobe Expander Plate Back Box Skirt (System Sensor SEP-BBSW).....	83.79		16.20
28 46 13 31-2148	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW).....	160.85		16.20
28 46 13 31-2149	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL).....	165.60		48.62
28 46 13 31-2150	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH).....	231.04		48.62
28 46 13 31-2151	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK).....	283.26		55.10
28 46 13 31-2152	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK).....	279.69		55.10
28 46 13 31-2153	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P).....	235.49		55.10
28 46 13 31-2154	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R).....	207.46		55.10
28 46 13 31-2155	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P).....	164.17		48.62
28 46 13 31-2156	EA	White, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL).....	165.03		48.62
28 46 13 31-2157	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT).....	178.47		48.62
28 46 13 31-2158	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT).....	212.21		48.62
28 46 13 31-2159	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH).....	222.21		48.62
28 46 13 31-2160	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	220.54		48.62
28 46 13 31-2161	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	220.54		48.62
28 46 13 31-2162	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	238.93		55.10

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MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

UNIT COST

DEMOLITION

UNIT COST

28 46 13 31-2163	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	236.35	55.10
28 46 13 31-2164	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	238.35	55.10
28 46 13 31-2165	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	238.51	55.10
28 46 13 31-2166	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	234.06	55.10
28 46 13 31-2167	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	235.21	55.10
28 46 13 31-2168	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P)	163.89	48.62
28 46 13 31-2169	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	28.70	6.48
28 46 13 31-2170	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	28.70	6.48
28 46 13 31-2171	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	28.70	6.48
28 46 13 31-2172	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	28.70	6.48
28 46 13 31-2173	EA	Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL)	167.89	48.62
28 46 13 31-2174	EA	White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL)	164.74	48.62
28 46 13 31-2175	EA	L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2)	28.70	6.48
28 46 13 31-2176	EA	L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2)	28.70	6.48
28 46 13 31-2177	EA	L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2)	28.70	6.48
28 46 13 31-2178	EA	L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2)	28.70	6.48
28 46 13 31-2179	EA	Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR)	243.75	48.62
28 46 13 31-2180	EA	White, 8 Multi-tone, 12 VDC, 1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW)	243.75	48.62
28 46 13 31-2181	EA	L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT)	240.07	55.10

28 46 13 31-2182 Ceiling Mounted Strobes (28 46 13 31-2050)

28 46 13 31-2183	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL)	168.75	48.62
28 46 13 31-2184	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	234.61	48.62
28 46 13 31-2185	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	283.26	55.10
28 46 13 31-2186	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	283.26	55.10
28 46 13 31-2187	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL)	168.75	48.62
28 46 13 31-2188	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT)	180.19	48.62
28 46 13 31-2189	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	225.54	48.62
28 46 13 31-2190	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	236.35	55.10
28 46 13 31-2191	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	234.06	55.10
28 46 13 31-2192	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	200.55	48.62
28 46 13 31-2193	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	28.70	6.48
28 46 13 31-2194	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	28.70	6.48
28 46 13 31-2195	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	28.70	6.48
28 46 13 31-2196	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	28.70	6.48

28 46 13 31-2197 Wall Mounted Speakers (28 46 13 31-2050)

28 46 13 31-2198	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	430.19	48.62
28 46 13 31-2199	EA	Red, Wall Mounted Speaker (System Sensor SPRL)	142.43	48.62
28 46 13 31-2200	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	225.96	48.62
28 46 13 31-2201	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	189.16	55.10
28 46 13 31-2202	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	186.44	48.62
28 46 13 31-2203	EA	White, Wall Mounted Speaker (System Sensor SPWL)	142.43	48.62
28 46 13 31-2204	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	237.78	55.10
28 46 13 31-2205	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV)	160.05	48.62

28 46 13 31-2206 Ceiling Mounted Speakers (28 46 13 31-2050)

28 46 13 31-2207	EA	Red, Ceiling Mounted Speaker (System Sensor SPCRL)	139.29	48.62
28 46 13 31-2208	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	258.69	48.62
28 46 13 31-2209	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	186.44	48.62
28 46 13 31-2210	EA	White, Ceiling Mounted Speaker (System Sensor SPCWL)	141.86	48.62
28 46 13 31-2211	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	180.55	48.62
28 46 13 31-2212	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	238.93	55.10

28 46 13 31-2213 Wall Mounted Speakers/Strobes (28 46 13 31-2050)

28 46 13 31-2214	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL)	158.85	16.20
28 46 13 31-2215	EA	White Speaker Strobe Expander Plate Back Box Skirt (System Sensor SPSEP-BBSWL)	80.36	16.20
28 46 13 31-2216	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL)	228.82	48.62
28 46 13 31-2217	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	298.83	48.62
28 46 13 31-2218	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	402.79	55.10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2219	EA		Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P).....	327.03	55.10
28 46 13 31-2220	EA		Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	279.54	55.10
28 46 13 31-2221	EA		Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P).....	226.24	48.62
28 46 13 31-2222	EA		Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	288.13	48.62
28 46 13 31-2223	EA		White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT).....	229.96	48.62
28 46 13 31-2224	EA		White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	331.03	55.10
28 46 13 31-2225	EA		White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL).....	228.82	48.62
28 46 13 31-2226	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	285.53	48.62
28 46 13 31-2227	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P).....	285.53	48.62
28 46 13 31-2228	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	342.47	55.10
28 46 13 31-2229	EA		White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	325.88	55.10
28 46 13 31-2230	EA		White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P).....	225.10	48.62
28 46 13 31-2231	EA		White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	275.53	48.62
28 46 13 31-2232	EA		White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	275.53	48.62
28 46 13 31-2233 Ceiling Mounted Speakers/Strobes (28 46 13 31-2050)					
28 46 13 31-2234	EA		Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCL).....	213.37	48.62
28 46 13 31-2235	EA		Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	302.40	48.62
28 46 13 31-2236	EA		Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV).....	288.13	48.62
28 46 13 31-2237	EA		White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL).....	213.37	48.62
28 46 13 31-2238	EA		White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT).....	227.67	48.62
28 46 13 31-2239	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH).....	285.53	48.62
28 46 13 31-2240	EA		White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	344.19	55.10
28 46 13 31-2241	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	285.53	48.62
28 46 13 31-2242	EA		White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	331.60	55.10
28 46 13 31-2243	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	342.47	55.10
28 46 13 31-2244	EA		White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P).....	213.37	48.62
28 46 13 31-2245	EA		White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	275.53	48.62
28 46 13 31-2246	EA		White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	285.53	48.62
28 46 13 31-2247	EA		White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	275.53	48.62
28 46 13 31-2248	EA		High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	285.29	48.62
28 46 13 31-2249 Electric Alarm Bells (28 46 13 31-2050)					
28 46 13 31-2250	EA		6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6).....	175.90	48.62
28 46 13 31-2251	EA		8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8).....	189.92	48.62
28 46 13 31-2252	EA		10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10).....	205.36	48.62
28 46 13 31-2253	EA		6" 120 Volt AC Alarm Bell (System Sensor SSV120-6).....	192.22	49.27
28 46 13 31-2254	EA		8" 120 Volt AC Alarm Bell (System Sensor SSV120-8).....	194.42	49.27
28 46 13 31-2255	EA		10" 120 Volt AC Alarm Bell (System Sensor SSV120-10).....	208.30	49.27
28 46 13 31-2256 Device Bases (28 46 13 31-2050)					
28 46 13 31-2257	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	135.68	16.20
28 46 13 31-2258	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	131.39	16.20
28 46 13 31-2259	EA		Intelligent Isolator Base (System Sensor B224BI).....	108.22	16.20
28 46 13 31-2260	EA		Intelligent Relay Base (System Sensor B224RB).....	109.36	16.20
28 46 13 31-2261	EA		Flangeless, Intelligent Detector Base (System Sensor B501).....	68.12	16.20
28 46 13 31-2262	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV).....	135.68	16.20
28 46 13 31-2263	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV).....	131.39	16.20
28 46 13 31-2264	EA		Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF).....	196.03	16.20
28 46 13 31-2265	EA		Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV).....	196.03	16.20
28 46 13 31-2266	EA		Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH).....	189.74	16.20
28 46 13 31-2267	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH).....	148.72	16.20

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-2268	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH).....	128.81	16.20
28 46 13 31-2269	EA	Intelligent Isolator Base, Ivory (System Sensor B224BI-IV).....	108.22	16.20
28 46 13 31-2270	EA	Intelligent Isolator Base, White (System Sensor B224BI-WH).....	101.36	16.20
28 46 13 31-2271	EA	Intelligent Relay Base, Ivory (System Sensor B224RB-IV).....	109.36	16.20
28 46 13 31-2272	EA	Intelligent Relay Base, White (System Sensor B224RB-WH).....	102.79	16.20
28 46 13 31-2273	EA	Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL).....	68.12	16.20
28 46 13 31-2274	EA	Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV).....	68.12	16.20
28 46 13 31-2275	EA	Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE).....	60.68	16.20
28 46 13 31-2276	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF).....	199.47	16.20
28 46 13 31-2277	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV).....	199.47	16.20
28 46 13 31-2278	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH).....	192.03	16.20
28 46 13 31-2279	EA	6" Intelligent Flanged Mounting Base (System Sensor B300-6).....	53.87	16.20
28 46 13 31-2280	EA	6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV).....	61.02	16.20
28 46 13 31-2281	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP).....	59.91	16.20
28 46 13 31-2282	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP).....	119.71	19.45

28 46 13 31-2283 Boxes, Plates And Decals (28 46 13 31-2050)

28 46 13 31-2284	EA	120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K).....	61.25	16.20
28 46 13 31-2285	EA	Red, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBB).....	92.26	16.20
28 46 13 31-2286	EA	White, Ceiling Mounted, Metal, Weatherproof Back Box (System Sensor MWBCW).....	100.50	16.20
28 46 13 31-2287	EA	White, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBBW).....	92.26	16.20
28 46 13 31-2288	EA	Red Retrofit Plate (System Sensor RFP).....	42.56	9.72
28 46 13 31-2289	EA	White Retrofit Plate (System Sensor RFPW).....	42.22	9.72
28 46 13 31-2290	EA	Red, Wall Mounted, Weatherproof Back Box (System Sensor SA-WBB).....	77.96	16.20
28 46 13 31-2291	EA	Red, Ceiling Mounted, Weatherproof Back Box (System Sensor SA-WBBC).....	87.80	16.20
28 46 13 31-2292	EA	Red, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCRL).....	61.94	16.20
28 46 13 31-2293	EA	White, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCWL).....	61.94	16.20
28 46 13 31-2294	EA	Red, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBRL).....	53.59	16.20
28 46 13 31-2295	EA	Red, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPRL).....	59.88	16.20
28 46 13 31-2296	EA	White, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPWL).....	59.88	16.20
28 46 13 31-2297	EA	White, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBWL).....	53.59	16.20
28 46 13 31-2298	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500).....	59.08	16.20
28 46 13 31-2299	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600).....	53.87	16.20
28 46 13 31-2300	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS).....	19.51	6.48
28 46 13 31-2301	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R).....	28.93	
28 46 13 31-2302	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC).....	40.23	
28 46 13 31-2303	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W).....	28.93	
28 46 13 31-2304	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC).....	40.23	
28 46 13 31-2305	EA	Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2).....	21.60	6.48
28 46 13 31-2306	EA	White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W).....	21.60	6.48
28 46 13 31-2307	EA	Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2).....	21.60	6.48
28 46 13 31-2308	EA	White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W).....	21.60	6.48
28 46 13 31-2309	EA	Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL).....	53.59	16.20
28 46 13 31-2310	EA	White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL).....	53.59	16.20
28 46 13 31-2311	EA	Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG).....	26.13	6.48
28 46 13 31-2312	EA	Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL).....	26.13	6.48
28 46 13 31-2313	EA	Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV).....	26.13	6.48
28 46 13 31-2314	EA	Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F).....	26.13	6.48
28 46 13 31-2315	EA	White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG).....	26.13	6.48
28 46 13 31-2316	EA	White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL).....	26.13	6.48
28 46 13 31-2317	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV).....	26.13	6.48
28 46 13 31-2318	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F).....	26.13	6.48
28 46 13 31-2319	EA	Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P).....	26.13	6.48
28 46 13 31-2320	EA	White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P).....	26.13	6.48
28 46 13 31-2321	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	26.13	6.48
28 46 13 31-2322	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL).....	26.13	6.48
28 46 13 31-2323	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG).....	28.53	6.48
28 46 13 31-2324	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL).....	28.53	6.48
28 46 13 31-2325	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV).....	28.53	6.48
28 46 13 31-2326	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F).....	28.53	6.48
28 46 13 31-2327	EA	Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P).....	28.53	6.48
28 46 13 31-2328	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV).....	26.13	6.48
28 46 13 31-2329	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F).....	26.13	6.48
28 46 13 31-2330	EA	Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P).....	26.13	6.48
28 46 13 31-2331	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG).....	26.13	6.48
28 46 13 31-2332	EA	White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL).....	26.13	6.48
28 46 13 31-2333	EA	White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV).....	26.13	6.48
28 46 13 31-2334	EA	White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG).....	28.53	6.48
28 46 13 31-2335	EA	White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL).....	28.53	6.48
28 46 13 31-2336	EA	White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV).....	28.53	6.48
28 46 13 31-2337	EA	White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F).....	28.53	6.48
28 46 13 31-2338	EA	White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P).....	28.53	6.48
28 46 13 31-2339	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV).....	26.13	6.48
28 46 13 31-2340	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F).....	26.13	6.48
28 46 13 31-2341	EA	Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01).....	5.09	
28 46 13 31-2342	EA	Control Module Barrier (System Sensor CB500).....	39.13	9.72
28 46 13 31-2343	EA	White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300).....	36.04	9.72
28 46 13 31-2344	EA	Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL).....	43.42	9.72
28 46 13 31-2345	EA	PTIR Color Kit, White (System Sensor CK-300-IR).....	161.32	9.72
		Note: Includes cover and trim ring		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2346	EA		PTIR Color Kit, Black (System Sensor CK-300-IR-BL) Note: Includes cover and trim ring	233.98	9.72
28 46 13 31-2347	EA		PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV) Note: Includes cover and trim ring	233.98	9.72
28 46 13 31-2348	EA		Accessory Flange Ring For B210LP Base (System Sensor F210) Note: Includes cover and trim ring	29.58	9.72
28 46 13 31-2349	EA		Black Faceplate (System Sensor FP-BLACK-BP)	28.75	9.72
28 46 13 31-2350	EA		White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP)	29.18	9.72
28 46 13 31-2351	EA		White Faceplate (System Sensor FP-WHITE-BP)	27.77	9.72
28 46 13 31-2352	EA		White, Back Box (System Sensor SMB500-WH)	50.90	16.20
28 46 13 31-2353	EA		Accessory Flange Ring For B210LP Base, White (System Sensor TR300)	20.12	6.48
28 46 13 31-2354	EA		Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV)	28.47	6.48
28 46 13 31-2355	EA		White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP)	30.52	9.72
28 46 13 31-2356	EA		Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL)	26.13	6.48
28 46 13 31-2357	EA		Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG)	28.53	6.48
28 46 13 31-2358	EA		Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL)	28.53	6.48
28 46 13 31-2359	EA		Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV)	28.53	6.48
28 46 13 31-2360	EA		Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F)	28.53	6.48
28 46 13 31-2361	EA		Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P)	28.53	6.48
28 46 13 31-2362	EA		Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV)	26.13	6.48
28 46 13 31-2363	EA		Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F)	26.13	6.48
28 46 13 31-2364	EA		Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P)	26.13	6.48
28 46 13 31-2365	EA		L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL)	78.41	16.20
28 46 13 31-2366	EA		White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P)	153.99	16.20
28 46 13 31-2367 Chimes (28 46 13 31-2050)					
28 46 13 31-2368	EA		Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	164.34	48.62
28 46 13 31-2369	EA		White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	169.89	48.62
28 46 13 31-2370 Chime/Strobes (28 46 13 31-2050)					
28 46 13 31-2371	EA		Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	245.98	48.62
28 46 13 31-2372	EA		White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	245.98	48.62
28 46 13 31-2373	EA		L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSRL)	247.70	48.62
28 46 13 31-2374	EA		L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCWL)	247.70	48.62
28 46 13 31-2375 Carbon Monoxide Detectors (28 46 13 31-2050)					
28 46 13 31-2376	EA		Conventional Carbon Monoxide Detector (System Sensor CO1224)	355.34	64.82
28 46 13 31-2377	EA		Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	243.69	48.62
28 46 13 31-2378	EA		CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	19.88	6.48
28 46 13 31-2379	EA		Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951)	363.83	48.62
28 46 13 31-2380	EA		12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T)	276.11	64.82
28 46 13 31-2381	EA		Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV)	376.41	48.62
28 46 13 31-2382 Switches (28 46 13 31-2050)					
28 46 13 31-2383	EA		SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	221.20	25.93
28 46 13 31-2384	EA		Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	246.95	25.93
28 46 13 31-2385	EA		SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	221.20	25.93
28 46 13 31-2386	EA		Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	246.95	25.93
28 46 13 31-2387	EA		Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	230.36	25.93
28 46 13 31-2388	EA		Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	215.48	25.93
28 46 13 31-2389 Low Frequency Sounders (28 46 13 31-2050)					
28 46 13 31-2390	EA		Red, Low Frequency Sounder (System Sensor HR-LF)	227.21	48.62
28 46 13 31-2391	EA		White, Low Frequency Sounder (System Sensor HW-LF)	227.21	48.62
28 46 13 31-2392	EA		Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF)	201.64	48.62
28 46 13 31-2393	EA		White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF)	201.64	48.62
28 46 13 31-2394	EA		Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF)	200.21	48.62
28 46 13 31-2395	EA		White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF)	200.21	48.62
28 46 13 31-2396 Sync Modules (28 46 13 31-2050)					
28 46 13 31-2397	EA		Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	176.37	32.42
28 46 13 31-2398	EA		White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	173.51	32.42

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-2399		Relays (28 46 13 31-2050)		
28 46 13 31-2400	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E).....	100.15	25.93
28 46 13 31-2401	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T).....	64.57	16.20
28 46 13 31-2402	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E).....	186.88	16.20
28 46 13 31-2403	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T).....	137.68	16.20
28 46 13 31-2404	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E).....	107.82	25.93
28 46 13 31-2405	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T).....	66.63	16.20
28 46 13 31-2406	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E).....	210.34	16.20
28 46 13 31-2407	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T).....	157.42	16.20
28 46 13 31-2408	EA	18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1).....	56.22	16.20
28 46 13 31-2409	EA	10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2).....	56.22	16.20
28 46 13 31-2410	EA	Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3).....	56.22	16.20
28 46 13 31-2411		Remote Annunciator (28 46 13 31-2050)		
28 46 13 31-2412	EA	Remote Annunciator (System Sensor RA100Z).....	133.28	48.62
28 46 13 31-2413	EA	Remote LED Annunciator (System Sensor RA100ZA).....	129.54	48.62
28 46 13 31-2414	EA	Remote Annunciator With Piezo Alarm (System Sensor APA151).....	161.14	48.62
28 46 13 31-2415		Remote Test Station (28 46 13 31-2050)		
28 46 13 31-2416	EA	Remote Test Station With Key (System Sensor RTS151KEY).....	207.65	48.62
28 46 13 31-2417		Fire Alarm Digital Cellular Communicator (28 46 13 31)		
28 46 13 31-2418	EA	Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS).....	783.32	64.82
28 46 13 31-2419		Wheelock Fire Alarm (28 46 13 31)		
28 46 13 31-2420		Ceiling Mounted Chimes/Strobes (28 46 13 31-2419)		
28 46 13 31-2421	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW).....	271.82	48.62
28 46 13 31-2422		Wall Mounted Chimes/Strobes (28 46 13 31-2419)		
28 46 13 31-2423	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR).....	271.82	48.62
28 46 13 31-2424	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	271.82	48.62
28 46 13 31-2425		Ceiling Mounted Horns/Strobes (28 46 13 31-2419)		
28 46 13 31-2426	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC).....	177.51	48.62
28 46 13 31-2427	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC).....	201.93	48.62
28 46 13 31-2428		Wall Mounted Horns/Strobes (28 46 13 31-2419)		
28 46 13 31-2429	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....	181.24	48.62
28 46 13 31-2430	EA	Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR).....	287.19	48.62
28 46 13 31-2431	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	241.98	48.62
28 46 13 31-2432	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	241.98	48.62
28 46 13 31-2433	EA	Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR).....	272.20	48.62
28 46 13 31-2434	EA	Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR).....	202.52	48.62
28 46 13 31-2435	EA	Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR).....	200.32	48.62
28 46 13 31-2436	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR).....	221.19	55.10
28 46 13 31-2437	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR).....	180.37	48.62
28 46 13 31-2438	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....	180.37	48.62
28 46 13 31-2439	EA	White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW).....	199.45	48.62
28 46 13 31-2440	EA	Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	241.98	48.62
28 46 13 31-2441	EA	White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	241.98	48.62
28 46 13 31-2442		Ceiling Mounted Strobes (28 46 13 31-2419)		
28 46 13 31-2443	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR).....	169.62	48.62
28 46 13 31-2444	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	169.62	48.62
28 46 13 31-2445	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	183.05	48.62
28 46 13 31-2446	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC).....	163.04	48.62
28 46 13 31-2447	EA	White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW).....	181.02	48.62
28 46 13 31-2448	EA	White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW).....	182.56	48.62
28 46 13 31-2449	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCC-FW).....	183.22	48.62
28 46 13 31-2450	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR).....	191.92	48.62
28 46 13 31-2451		Wall Mounted Strobes (28 46 13 31-2419)		
28 46 13 31-2452	EA	Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	255.59	48.62

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2453	EA	Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	206.03	48.62
28 46 13 31-2454	EA	Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	228.87	48.62
28 46 13 31-2455	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	167.86	48.62
28 46 13 31-2456	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	167.86	48.62
28 46 13 31-2457	EA	Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	179.27	48.62
28 46 13 31-2458	EA	Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR)	187.41	55.10
		Note: Requires WPSBB-R.		
28 46 13 31-2459	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	164.13	48.62
28 46 13 31-2460	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	164.13	48.62
28 46 13 31-2461	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW)	194.62	48.62
28 46 13 31-2462	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW)	169.84	48.62
28 46 13 31-2463	EA	Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW)	208.61	55.10
		Note: Requires WPSBB-R.		
28 46 13 31-2464	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW)	205.65	48.62
28 46 13 31-2465 Ceiling Mounted Speakers/Strobes (28 46 13 31-2419)				
28 46 13 31-2466	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	206.03	48.62
28 46 13 31-2467	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	206.03	48.62
28 46 13 31-2468	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	206.03	48.62
28 46 13 31-2469	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	208.22	48.62
28 46 13 31-2470	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	220.50	48.62
28 46 13 31-2471	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	237.61	48.62
28 46 13 31-2472	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR)	237.61	48.62
28 46 13 31-2473	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR)	209.97	48.62
28 46 13 31-2474	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW)	230.53	48.62
28 46 13 31-2475	EA	Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW)	244.26	48.62
28 46 13 31-2476	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW)	257.99	48.62
28 46 13 31-2477 Wall Mounted Speakers/Strobes (28 46 13 31-2419)				
28 46 13 31-2478	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	315.52	48.62
28 46 13 31-2479	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	315.52	48.62
28 46 13 31-2480	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	220.50	48.62
28 46 13 31-2481	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	220.50	48.62
28 46 13 31-2482	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	206.03	48.62
28 46 13 31-2483	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	202.52	48.62
28 46 13 31-2484	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	220.50	48.62
28 46 13 31-2485	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	220.50	48.62
28 46 13 31-2486	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	312.18	48.62
28 46 13 31-2487	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	208.22	48.62
28 46 13 31-2488	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	206.47	48.62
28 46 13 31-2489	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	304.69	48.62
28 46 13 31-2490	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	312.18	48.62
28 46 13 31-2491	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	237.61	48.62
28 46 13 31-2492	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	237.61	48.62
28 46 13 31-2493	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe (Wheelock ET70WP-2475 W-FR)	339.32	55.10
		Note: Requires weatherproof backbox (IOB).		
28 46 13 31-2494	EA	Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR)	189.80	48.62
28 46 13 31-2495	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW)	183.22	48.62
28 46 13 31-2496	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW)	244.26	48.62
28 46 13 31-2497	EA	Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	257.99	48.62
28 46 13 31-2498	EA	White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	263.14	48.62
28 46 13 31-2499	EA	White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW)	271.72	48.62
28 46 13 31-2500	EA	Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR)	278.02	48.62
28 46 13 31-2501	EA	Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR)	274.01	48.62
		Note: Requires IOB		
28 46 13 31-2502	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW)	271.72	48.62
		Note: Requires IOB		

28 46 13 31-2503 Electric Alarm Bells (28 46 13 31-2419)

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 46 13 31-2504	EA	6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	200.76	48.62
28 46 13 31-2505	EA	6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	193.74	48.62
28 46 13 31-2506	EA	10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	240.68	48.62
28 46 13 31-2507	EA	10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R)	1,861.32	55.10
28 46 13 31-2508	EA	10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R)	3,005.33	55.10
28 46 13 31-2509	EA	10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R)	3,401.03	55.10
28 46 13 31-2510	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R)	161.06	48.62
28 46 13 31-2511	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R)	216.23	48.62
28 46 13 31-2512	EA	6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R)	163.70	48.62
28 46 13 31-2513	EA	10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R)	214.23	48.62

28 46 13 31-2514 Horns (28 46 13 31-2419)

28 46 13 31-2515	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R)	163.89	48.62
28 46 13 31-2516	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR)	136.37	48.62
28 46 13 31-2517	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW)	136.37	48.62
28 46 13 31-2518	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC)	137.33	48.62
28 46 13 31-2519	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNCW)	137.33	48.62
28 46 13 31-2520	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	121.10	48.62
28 46 13 31-2521	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	121.10	48.62
28 46 13 31-2522	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R)	137.33	48.62
28 46 13 31-2523	EA	Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R)	162.46	48.62

28 46 13 31-2524 Speakers (28 46 13 31-2419)

28 46 13 31-2525	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R)	140.14	48.62
28 46 13 31-2526	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W)	140.14	48.62
28 46 13 31-2527	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R)	140.14	48.62
28 46 13 31-2528	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W)	138.21	48.62
28 46 13 31-2529	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	140.14	48.62
28 46 13 31-2530	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	140.14	48.62
28 46 13 31-2531	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	140.14	48.62
28 46 13 31-2532	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	140.14	48.62
28 46 13 31-2533	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R)	161.28	48.62
28 46 13 31-2534	EA	White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W)	161.28	48.62
28 46 13 31-2535	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W)	163.04	48.62
28 46 13 31-2536	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	215.66	48.62
28 46 13 31-2537	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	195.64	48.62
28 46 13 31-2538	EA	Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S)	299.02	48.62
28 46 13 31-2539	EA	Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR)	299.02	48.62
28 46 13 31-2540	EA	Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R)	215.66	48.62
28 46 13 31-2541	EA	White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W)	217.95	48.62
28 46 13 31-2542	EA	Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R)	195.64	48.62
28 46 13 31-2543	EA	White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW)	286.60	48.62
28 46 13 31-2544	EA	White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25)	209.37	48.62

28 46 13 31-2545 Sync Modules (28 46 13 31-2419)

28 46 13 31-2546	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	194.79	32.42
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28 46 13 31-2547 Boxes, Plates And Rings (28 46 13 31-2419)

28 46 13 31-2548	EA	4" Square, Red, Surface Back Box (Wheelock BB-R)	42.03	16.20
28 46 13 31-2549	EA	Standard 4" Square Box (Wheelock BB-STD)	41.34	16.20
28 46 13 31-2550	EA	Black, Back Box For UZC-256 (Wheelock BB-UZC)	249.60	32.42
28 46 13 31-2551	EA	Red, Back Box For UZC-256 (Wheelock BB-UZC-R)	249.60	32.42
28 46 13 31-2552	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	192.60	25.93
28 46 13 31-2553	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	21.57	6.48
28 46 13 31-2554	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	21.57	6.48
28 46 13 31-2555	EA	Red, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-R)	52.42	16.20
28 46 13 31-2556	EA	White, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-W)	49.62	16.20
28 46 13 31-2557	EA	Red, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-R)	52.42	16.20
28 46 13 31-2558	EA	White, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-W)	52.42	16.20
28 46 13 31-2559	EA	4" Square Back Box (Wheelock DBB-R)	43.82	16.20
28 46 13 31-2560	EA	Red, Surface Back Box (Wheelock IOB-R)	50.58	16.20
28 46 13 31-2561	EA	White, Surface, Back Box (Wheelock IOB-W)	50.58	16.20
28 46 13 31-2562	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	20.65	6.48
28 46 13 31-2563	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	27.13	6.48
28 46 13 31-2564	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	27.13	6.48
28 46 13 31-2565	EA	Red Retrofit Plate (Wheelock RP-R)	24.37	6.48
28 46 13 31-2566	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	41.92	6.48
28 46 13 31-2567	EA	Red, Surface Mounted, Back Box For Chimes, Speakers (Wheelock SBB-R)	52.86	16.20
28 46 13 31-2568	EA	White, Surface Mounted, Back Box For Chimes, Speaker (Wheelock SBB-W)	53.48	16.20
28 46 13 31-2569	EA	Red, Surface Mounted, Back Box For With RSSP (Wheelock SBL2-R)	56.72	16.20
28 46 13 31-2570	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	28.38	6.48
28 46 13 31-2571	EA	White, Semi-Flush Plate (Wheelock SFB-W)	28.38	6.48
28 46 13 31-2572	EA	Red, Shallow Surface Mounted, Back Box (Wheelock SHBB-R)	46.76	16.20
28 46 13 31-2573	EA	White, Shallow Surface Mounted, Back Box (Wheelock SHBB-W)	46.76	16.20
28 46 13 31-2574	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	30.17	6.48
28 46 13 31-2575	EA	Red, Weather Resistant Back Box (Wheelock WBB-R)	52.07	16.20
28 46 13 31-2576	EA	Silver, Weather Resistant Back Box (Wheelock WBB-S)	52.07	16.20

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2577	EA	White, Weather Resistant Back Box (Wheelock WBB-W)	52.07	16.20
28 46 13 31-2578	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	36.83	6.48
28 46 13 31-2579	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	36.83	6.48
28 46 13 31-2580	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFP-A-R)	36.83	6.48
28 46 13 31-2581	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFP-A-W)	36.83	6.48
28 46 13 31-2582	EA	Gasket Kit For Rear Wiring To Outdoor Back Box (Wheelock WP-KIT)	25.50	6.48
28 46 13 31-2583	EA	Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	63.54	16.20
28 46 13 31-2584	EA	Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	58.51	16.20
28 46 13 31-2585	EA	Red Plate For RSS (Wheelock RSSCP-R)	20.65	6.48
28 46 13 31-2586	EA	White Plate For RSS (Wheelock RSSCP-W)	20.65	6.48
28 46 13 31-2587	EA	Red Fire Plate For RSS (Wheelock RSSCPW-FR)	21.57	6.48
28 46 13 31-2588	EA	White Fire Plate For RSS (Wheelock RSSCPW-FW)	21.57	6.48
28 46 13 31-2589	EA	Red, Indoor, Surface Extender (Wheelock ISP2-R)	21.04	6.48
28 46 13 31-2590	EA	Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR)	150.27	6.48
28 46 13 31-2591	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW)	134.82	6.48
28 46 13 31-2592	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW)	132.53	6.48
28 46 13 31-2593	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW)	134.82	6.48
28 46 13 31-2594	EA	Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R)	23.67	6.48
28 46 13 31-2595	EA	White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W)	22.98	6.48
28 46 13 31-2596	EA	Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R)	24.18	6.48
28 46 13 31-2597	EA	White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W)	24.18	6.48
28 46 13 31-2598	EA	White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW)	22.98	6.48
28 46 13 31-2599	EA	Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR)	24.07	6.48
28 46 13 31-2600	EA	White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW)	24.07	6.48
28 46 13 31-2601	EA	Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R)	22.98	6.48
28 46 13 31-2602	EA	White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W)	22.98	6.48
28 46 13 31-2603	EA	Red, Surface Mounted, Extender Ring (Wheelock SER-R)	31.68	6.48
28 46 13 31-2604	EA	White, Surface Mounted, Extender Ring (Wheelock SER-W)	32.02	6.48
28 46 13 31-2605	EA	Red, Semi-Flush, Plate (Wheelock SFP-R)	25.50	6.48
28 46 13 31-2606	EA	Silver, Semi-Flush, Plate (Wheelock SFP-S)	24.18	6.48
28 46 13 31-2607	EA	White, Semi-Flush, Plate (Wheelock SFP-W)	25.50	6.48
28 46 13 31-2608	EA	Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	63.54	16.20
28 46 13 31-2609	EA	Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	58.51	16.20
28 46 13 31-2610	EA	White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W)	58.51	16.20
28 46 13 31-2611		Manual Pull Station (28 46 13 31-2419)		
28 46 13 31-2612	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	142.16	32.42
28 46 13 31-2613	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	142.16	32.42
28 46 13 31-2614	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	1,232.69	32.42
28 46 13 31-2615		Potter Fire Alarm (28 46 13 31)		
28 46 13 31-2616		Electric Alarm Bells (28 46 13 31-2615)		
28 46 13 31-2617	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	137.32	48.62
28 46 13 31-2618	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	149.97	48.62
28 46 13 31-2619	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	156.30	48.62
28 46 13 31-2620	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	137.32	48.62
28 46 13 31-2621	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	149.97	48.62
28 46 13 31-2622	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	156.30	48.62
28 46 13 31-2623	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	148.06	48.62
28 46 13 31-2624	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	154.13	48.62
28 46 13 31-2625	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	189.92	48.62
28 46 13 31-2626	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	139.14	48.62
28 46 13 31-2627	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	154.13	48.62
28 46 13 31-2628	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	166.67	48.62
28 46 13 31-2629		Manual Pull Station (28 46 13 31-2615)		
28 46 13 31-2630	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	100.70	32.42
28 46 13 31-2631	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	106.44	32.42
28 46 13 31-2632	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	171.13	32.42
28 46 13 31-2633	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	110.02	32.42
28 46 13 31-2634	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	103.95	32.42
28 46 13 31-2635	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	191.36	32.42
28 46 13 31-2636	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP)	239.61	32.42
28 46 13 31-2637		Fire Alarm Terminal Cabinets (28 46 13 31)		
28 46 13 31-2638	EA	18 Point Lockable Fire Alarm Terminal Cabinet	264.94	64.92
28 46 13 31-2639	EA	32 Point Lockable Fire Alarm Terminal Cabinet	346.01	64.92
28 46 13 31-2640	EA	64 Point Lockable Fire Alarm Terminal Cabinet	508.13	64.92
28 46 13 31-2641	EA	128 Point Lockable Fire Alarm Terminal Cabinet	670.21	64.92
28 46 13 31-2642		Test And Certification Of Fire Alarm System To Tie In To Existing Systems (28 46 13 31)		
28 46 13 31-2643	HR	Test And Certification Of Fire Alarm System	322.22	
28 46 13 31-2644		Programming Of Existing Fire Alarm System (28 46 13 31)		

28 Electronic Safety and Security**28 40 Life Safety****28 46 Fire Detection and Alarm**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 46 13 31-2645 HR Fire Alarm Technician For Programming Of Existing Fire Alarm System.....257.78

28 46 13 31-2646 Removal And Reinstallation Of Smoke Detector (28 46 13 31)

Note: Includes storage, cleaning and supply materials.

28 46 13 31-2647 EA Removal And Reinstallation Of Ceiling Mounted Smoke Detector.....181.52

28 46 13 31-2648 EA Removal And Reinstallation Of Wall Mounted Smoke Detector.....145.86

28 46 13 31-2649 Kidde Fire Safety Equipment (28 46 13 31)**28 46 13 31-2650 Smoke Detectors (28 46 13 31-2649)**

28 46 13 31-2651 EA Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With 10 Year Sealed Battery Back-up (Kidde P4010ACS-CO)168.02 48.62

28 46 13 31-2652 EA Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i12010SCO).....148.06 48.62

28 46 13 31-2653 EA Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO).....137.09 48.62

28 46 31 Fire-Alarm Initiating Devices (28 46)**28 46 31 11 Heat-Sensing Fire Detectors (28 46 31)****28 46 31 11-0001 Protectowire Fire Alarm (28 46 31 11)****28 46 31 11-0002 Linear Heat Detector Cable (28 46 31 11-0001)**

28 46 31 11-0003 LF Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC).....5.99

28 46 31 11-0004 LF Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M).....6.49

28 46 31 11-0005 LF High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR).....6.49

28 46 31 11-0006 LF High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M).....6.99

28 46 31 11-0007 LF Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT).....7.61

28 46 31 11-0008 LF Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M).....8.11

28 46 31 11-0009 EA Flexible Lead Connector For Linear Heat Detector (Protectowire PFL).....75.37

28 46 31 11-0010 EA Splicing Connector For Linear Heat Detector (Protectowire PWSC)29.71

28 46 31 11-0011 EA Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W).....9.98

28 46 31 11-0012 EA Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)9.98

28 46 31 11-0013 EA Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)11.10

28 46 31 11-0014 EA Beam Clamp For Linear Heat Detector (Protectowire BC-2)17.30

28 46 31 11-0015 EA Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P).....17.97

28 46 31 11-0016 EA Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)1.70

28 46 31 11-0017 EA Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)2.32

28 46 31 11-0018 EA Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C).....10.18

28 46 41 Fire-Alarm Notification Appliances (28 46)**28 46 41 11 Audible Fire-Alarm Notification Appliances (28 46 41)**

See CSI section 28 46 13 31-0000 for fire alarm speakers.

28 46 41 31 Combination Fire-Alarm Notification Appliances (28 46 41)

See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.

28 47 Mass Notification (28 40)**28 47 15 Mass Notification Control Panels (28 47)****28 47 15 00-0001 Central Station Controls (28 47 15)**

28 47 15 00-0002 EA Desktop 18 Function Base Station Control/Encoder (Whelen E747).....984.95

28 47 15 00-0003 EA Desktop 35 Function Base Station Control/Encoder (Whelen E969).....1,601.19

28 47 15 00-0004 EA Desktop Central Station Control Encoder/Decoder (Whelen E2010).....4,795.13 64.82

28 47 15 00-0005 EA Siren Status Printer And Cable Option For E2010 (Whelen E2010P).....1,464.46 32.42

28 47 15 00-0006 EA Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R)5,591.29 129.66

28 47 15 00-0007 EA Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK)814.63 32.42

28 47 15 00-0008 EA Option To Convert Activation Controls To FSK Format (Whelen FSKCEO).....873.87 32.42

28 47 17 Notification Devices and Methods (28 47)**28 47 17 17 Notification Appliances and Methods Public Methods (28 47 17)****28 47 17 17-0001 Voice Capable Omni-Directional Speakers (28 47 17 17)**

28 47 17 17-0002 EA 1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A)13,832.95 827.56

28 47 17 17-0003 EA 2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A)16,887.97 863.54

28 47 17 17-0004 EA 3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A)19,905.17 899.51

28 47 17 17-0005 EA 4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A)22,922.38 935.49

28 47 17 17-0006 EA 5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A)26,015.18 971.47

28 47 17 17-0007 EA 6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A)31,187.35 1,007.45

28 47 17 17-0008 EA 7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A)34,242.35 1,043.43

28 47 17 17-0009 EA 8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A)37,914.86 1,079.41

Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0010	EA	9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	40,932.06	1,115.39
28 47 17 17-0011	EA	10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	43,987.06	1,151.38
28 47 17 17-0012	EA	3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	30,053.16	1,007.45
28 47 17 17-0013	EA	4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	32,011.78	1,043.43
28 47 17 17-0014	EA	One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL).....	544.22	32.42
28 47 17 17-0015	EA	VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV)	2,232.38	32.42
28 47 17 17-0016	EA	UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU)	2,232.38	32.42
28 47 17 17-0017	EA	UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU)	2,018.15	32.42
28 47 17 17-0018	EA	VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV).....	1,955.14	32.42
28 47 17 17-0019	EA	Two-Tone Sequential Option (Whelen WPSTT)	503.03	32.42
28 47 17 17-0020	EA	Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS).....	643.76	32.42
28 47 17 17-0021	EA	Landline, 10 Digit DTMF (Whelen C2030LL)	668.93	32.42
28 47 17 17-0022	EA	VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV)	3,179.34	32.42
28 47 17 17-0023	EA	UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU)	2,446.62	32.42
28 47 17 17-0024	EA	UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU).....	2,446.62	32.42
28 47 17 17-0025	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV).....	2,446.62	32.42
28 47 17 17-0026	EA	Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD).....	873.87	32.42
28 47 17 17-0027	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	606.35	32.42
28 47 17 17-0028	EA	Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT)	413.79	32.42
28 47 17 17-0029	EA	Intrusion Alarm (Whelen INTRUWPS).....	314.24	32.42
28 47 17 17-0030	EA	Custom Pre-Recorded Messages (One Time Set-Up Charge Per Message) (Whelen MSGPROG).....	218.53	
28 47 17 17-0031	EA	Whelen Library Messages (Whelen MSGPROGL)	43.76	
28 47 17 17-0032	EA	Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC).....	170.65	32.42
28 47 17 17-0033	EA	One Pair Of Whelen Approved Batteries (Whelen WPSBATT).....	1,145.73	48.62
28 47 17 17-0034	EA	WPS And OA Series, Rooftop Mounted (Whelen RTM)	10,840.97	791.57
28 47 17 17-0035	EA	Two 80 Watt Panels, Solar Power System (Whelen SBC280)	4,509.86	194.48
		Note: Includes mounting bracket and regulator.		
28 47 17 17-0036	EA	Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA)	2,290.01	48.62
28 47 17 17-0037	EA	Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB).....	2,290.01	48.62
28 47 17 17-0038	EA	Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC).....	2,290.01	48.62
28 47 17 17-0039	EA	Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG)	2,290.01	48.62
28 47 17 17-0040	EA	Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR).....	2,290.01	48.62
28 47 17 17-0041	EA	Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4)	815.77	48.62
28 47 17 17-0042	EA	Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4).....	815.77	48.62
28 47 17 17-0043	EA	Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4).....	815.77	48.62
28 47 17 17-0044	EA	Amber, 24 Volt DC, Strobe (Whelen ISB24A).....	638.42	48.62
28 47 17 17-0045	EA	Blue, 24 Volt DC, Strobe (Whelen ISB24B)	638.42	48.62
28 47 17 17-0046	EA	Clear, 24 Volt DC, Strobe (Whelen ISB24C)	638.42	48.62
28 47 17 17-0047	EA	Green, 24 Volt DC, Strobe (Whelen ISB24G).....	638.42	48.62
28 47 17 17-0048	EA	Red, 24 Volt DC, Strobe (Whelen ISB24R)	638.42	48.62
28 47 17 17-0049	EA	Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS)	887.74	32.42
28 47 17 17-0050	EA	Strobe Controller (Whelen STCTRL)	674.65	32.42
28 47 17 17-0051	EA	LED Controller (Whelen LEDCTRL)	674.65	32.42
28 47 17 17-0052	EA	Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL).....	430.49	48.62
28 47 17 17-0053	EA	Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS)	570.53	
28 47 17 17-0054	EA	400 Watt Speaker Driver (Whelen SPKDRV)	935.52	32.42
28 47 17 17-0055	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	469.85	32.42
28 47 17 17-0056	EA	Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC).....	170.65	32.42
28 47 17 17-0057	EA	Notifier/Whelen Interface Board (Whelen NAUXCS)	925.22	32.42
28 47 17 17-0058 Tone Only, Omni-Alert Sirens (28 47 17 17)				
28 47 17 17-0059	EA	One Cell, Tone Only, Omni-Alert Siren (Whelen OA1)	11,181.23	791.57
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0060	EA	Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2)	13,958.97	827.56
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0061	EA	Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3).....	16,711.54	863.54
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0062	EA	Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4).....	19,527.10	899.51
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0063	EA	One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXIN).....	319.38	32.42
28 47 17 17-0064	EA	One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL).....	544.22	32.42
28 47 17 17-0065	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV)	2,232.38	32.42
28 47 17 17-0066	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU)	2,232.38	32.42
28 47 17 17-0067	EA	UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU).....	2,018.15	32.42
28 47 17 17-0068	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV).....	1,955.14	32.42
28 47 17 17-0069	EA	One-Way Control Two-Tone Sequential Option (Whelen OTT).....	438.96	32.42
28 47 17 17-0070	EA	Two Way Controls, Contact Closure Activation Board (Whelen OAUXCS)	702.49	32.42
28 47 17 17-0071	EA	Two Way Landline Activation (Whelen OC2030LL).....	730.21	32.42
28 47 17 17-0072	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV)	2,446.62	32.42
28 47 17 17-0073	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU)	2,446.62	32.42
28 47 17 17-0074	EA	UHF, 10 Digit DTMF (Whelen OC230WU)	2,446.62	32.42
28 47 17 17-0075	EA	VHF High Band, 10 Digit DTMF (Whelen OC230WV).....	2,446.62	32.42
28 47 17 17-0076	EA	Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD).....	873.87	32.42
28 47 17 17-0077	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT).....	413.79	32.42
28 47 17 17-0078	EA	Cabinet Window LED Status Indicator (Whelen OSTATUS)	469.85	32.42
28 47 17 17-0079	EA	Intrusion Alarm (Whelen OINTRU)	252.46	32.42
28 47 17 17-0080	EA	80 Watt Solar Power Option (Whelen OSBC280).....	4,509.86	194.48
28 47 17 17-0081	EA	One Pair Of Whelen Approved Batteries For OmniaAlert (Whelen BSETO).....	953.06	48.62
28 47 17 17-0082 Tone-Only Rotating Directional Speakers (28 47 17 17)				

28 Electronic Safety and Security**28 40 Life Safety****28 47 Mass Notification**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

28 47 17 17-0083	EA	3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3).....	23,174.42	935.49
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0084	EA	4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4).....	24,578.54	971.47
		Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.		
28 47 17 17-0085	EA	Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN).....	295.94	32.42
28 47 17 17-0086	EA	Landline, 10 Digit DTMF (Whelen VD2030LL).....	592.85	32.42
28 47 17 17-0087	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV).....	2,232.38	32.42
28 47 17 17-0088	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU).....	2,232.38	32.42
28 47 17 17-0089	EA	UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU).....	2,018.15	32.42
28 47 17 17-0090	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV).....	1,955.14	32.42
28 47 17 17-0091	EA	Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT).....	438.96	32.42
28 47 17 17-0092	EA	Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS).....	688.62	32.42
28 47 17 17-0093	EA	Landline, 10 Digit DTMF (Whelen VC2030LL).....	730.21	32.42
28 47 17 17-0094	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV).....	2,446.62	32.42
28 47 17 17-0095	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU).....	2,446.62	32.42
28 47 17 17-0096	EA	UHF, 10 Digit DTMF (Whelen VC230WU).....	2,446.62	32.42
28 47 17 17-0097	EA	VHF High Band, 10 Digit DTMF (Whelen VC230WV).....	2,446.62	32.42
28 47 17 17-0098	EA	Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD).....	873.87	32.42
28 47 17 17-0099	EA	Cabinet Window LED Status Indicator (Whelen VSTATUS).....	510.93	32.42
28 47 17 17-0100	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT).....	413.79	32.42
28 47 17 17-0101	EA	Vortex Intrusion Alarm (Whelen VINTRU).....	252.46	32.42
28 47 17 17-0102	EA	Speaker Pole Top Bracket (Whelen VPTB).....	702.49	32.42
28 47 17 17-0103	EA	80 Watt Solar Power Option (Whelen VSBC280).....	4,509.86	194.48
28 47 17 17-0104	EA	One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR).....	953.06	48.62
28 47 17 17-0105	EA	Program Charge For Custom VROM Message (Whelen VPROG).....	3,714.05	

28 47 17 17-0106 Uni-Directional Rotating Speakers (28 47 17 17)

28 47 17 17-0107	EA	118 dB, Uni-Directional Rotating Speaker (Whelen HORNET).....	14,790.71	827.56
28 47 17 17-0108	EA	One Way Contact Closure Activation Control Board (Whelen HAUXIN).....	295.94	32.42
28 47 17 17-0109	EA	Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL).....	592.85	32.42
28 47 17 17-0110	EA	VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV).....	2,232.38	32.42
28 47 17 17-0111	EA	UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU).....	2,232.38	32.42
28 47 17 17-0112	EA	UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU).....	2,018.15	32.42
28 47 17 17-0113	EA	VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV).....	1,955.14	32.42
28 47 17 17-0114	EA	Two-Tone Sequential Option For Hornet (Whelen HORTT).....	476.91	32.42
28 47 17 17-0115	EA	Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS).....	631.17	32.42
28 47 17 17-0116	EA	Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL).....	668.93	32.42
28 47 17 17-0117	EA	VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV).....	2,446.62	32.42
28 47 17 17-0118	EA	UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU).....	2,446.62	32.42
28 47 17 17-0119	EA	UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU).....	2,446.62	32.42
28 47 17 17-0120	EA	VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV).....	2,446.62	32.42
28 47 17 17-0121	EA	Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD).....	873.87	32.42
28 47 17 17-0122	EA	LED Status Indicator (Whelen HSTATUS).....	469.85	32.42
28 47 17 17-0123	EA	Option For Paging Interface (Whelen HPGINT).....	413.79	32.42
28 47 17 17-0124	EA	Intrusion Alarm (Whelen HINTRU).....	252.46	32.42
28 47 17 17-0125	EA	Solar Power Option (Whelen HSBC280).....	4,509.86	194.48
28 47 17 17-0126	EA	Pole Top Bracket For Speaker (Whelen HPTB).....	665.50	32.42
28 47 17 17-0127	EA	One Pair Of Whelen Approved Batteries (Whelen BSETF).....	953.06	48.62

28 47 17 17-0128 All Hazard In-Plant Personnel Warning System (28 47 17 17)

28 47 17 17-0129	EA	400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400).....	7,417.80	1,037.25
28 47 17 17-0130	EA	800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800).....	9,000.32	1,166.91
28 47 17 17-0131	EA	15 Watt, Wide Angle Speaker (Whelen WS15T).....	421.03	48.62
28 47 17 17-0132	EA	Recess Mounted, 15 Watt Speaker (Whelen WS15TR).....	402.73	48.62
28 47 17 17-0133	EA	With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN).....	768.86	48.62
28 47 17 17-0134	EA	30 Watt, Wide Angle Speaker (Whelen WS30T).....	525.15	48.62
28 47 17 17-0135	EA	60 Watt, Wide Angle Speaker (Whelen WS60T).....	1,060.61	48.62
28 47 17 17-0136	EA	Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T).....	1,786.29	55.10
28 47 17 17-0137	EA	100 Watt, Wide Angle Speaker (Whelen WS100).....	676.18	48.62
28 47 17 17-0138	EA	Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH).....	1,055.28	55.10
28 47 17 17-0139	EA	Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU).....	252.46	32.42

28 47 17 17-0140 Firehouse Siren (28 47 17 17)

28 47 17 17-0141	EA	Auxiliary Board Contact Closure (Whelen FAUXIN).....	295.94	32.42
28 47 17 17-0142	EA	Two-Tone Sequential Option (Whelen FTT).....	438.96	32.42
28 47 17 17-0143	EA	Auxiliary/Status Control Board (Whelen FAUXCS).....	688.62	32.42
28 47 17 17-0144	EA	Landline, 10 Digit DTMF (Whelen FC2030LL).....	668.93	32.42
28 47 17 17-0145	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV).....	2,446.62	32.42
28 47 17 17-0146	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU).....	2,446.62	32.42
28 47 17 17-0147	EA	UHF, 10 Digit DTMF (Whelen FC230WU).....	2,446.62	32.42
28 47 17 17-0148	EA	VHF High Band, 10 Digit DTMF (Whelen FC230WV).....	2,446.62	32.42
28 47 17 17-0149	EA	Paging Interface Control Option (Whelen FPGINT).....	413.79	32.42
28 47 17 17-0150	EA	Intrusion Alarm Control Option (Whelen FINTRU).....	252.46	32.42
28 47 17 17-0151	EA	Solar Power Option (Whelen FSBC280).....	4,509.86	194.48
		Note: Two 80 watt panels, with brackets and solar regulator.		

28 47 17 17-0152 Alert Monitor And Message Display (28 47 17 17)

28 47 17 17-0153	EA	Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H).....	2,043.35	32.42
28 47 17 17-0154	EA	Alert Monitor VHF High-Narrow Band (Whelen V2000NH).....	2,043.35	32.42
28 47 17 17-0155	EA	Alert Monitor UHF Narrow-Band (Whelen V2000NU).....	2,043.35	32.42

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0156 EA Alert Monitor With Radio Receiver UHF (Whelen V2000U)	2,043.35	32.42
28 47 17 17-0157 EA Internal Battery And Charger For VA2000 Series (Whelen VA2BATT).....	265.43	48.62
28 47 17 17-0158 EA Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG).....	77.41	32.42
28 47 17 17-0159 EA Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA).....	162.47	
28 47 17 17-0160 EA Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB).....	255.15	
28 47 17 17-0161 Portable Test Set (28 47 17 17)		
28 47 17 17-0162 EA VHF High Band, Portable Test Set (Whelen PT2010H).....	8,229.17	
28 47 17 17-0163 EA VHF Low Band, Portable Test Set (Whelen PT2010L).....	8,229.17	
28 47 17 17-0164 EA UHF, Portable Test Set (Whelen PT2010U).....	8,229.17	
28 47 17 17-0165 Replacement Warning Lights (28 47 17 17)		
28 47 17 17-0166 EA Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA)	414.93	51.87
28 47 17 17-0167 EA Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB).....	414.93	51.87
28 47 17 17-0168 EA Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC).....	414.93	51.87
28 47 17 17-0169 EA Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG).....	414.93	51.87
28 47 17 17-0170 EA Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR).....	414.93	51.87
28 47 17 17-0171 EA Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA).....	445.82	51.87
28 47 17 17-0172 EA Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB).....	291.36	51.87
28 47 17 17-0173 EA Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC).....	441.24	51.87
28 47 17 17-0174 EA Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG).....	441.24	51.87
28 47 17 17-0175 EA Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR).....	441.24	51.87
28 47 17 17-0176 EA Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA).....	414.93	51.87
28 47 17 17-0177 EA Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB).....	414.93	51.87
28 47 17 17-0178 EA Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC).....	414.93	51.87
28 47 17 17-0179 EA Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG).....	414.93	51.87
28 47 17 17-0180 EA Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR).....	414.93	51.87
28 47 17 17-0181 EA Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA).....	464.13	51.87
28 47 17 17-0182 EA Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB).....	464.13	51.87
28 47 17 17-0183 EA Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC).....	302.80	51.87
28 47 17 17-0184 EA Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG).....	302.80	51.87
28 47 17 17-0185 EA Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR).....	302.80	51.87
28 47 17 17-0186 Antenna (28 47 17 17)		
28 47 17 17-0187 EA 50' Antenna Cable (Honeywell Ademco 7626-50HC).....	318.12	
28 47 17 17-0188 EA External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB).....	286.50	
28 47 17 17-0189 EA 80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000).....	15,558.06	
28 47 21 Mass Notification System Interfaces (28 47)		
28 47 21 21 Notification Interfaces to Fire Detection and Alarm (28 47 21)		
28 47 21 21-0001 Emergency Command Center (Honeywell Fire-Lite) (28 47 21 21)		
28 47 21 21-0002 EA Emergency Command Center Multipurpose Emergency Voice Evacuation Panels (Fire-Lite ECC-50/100(E))	2,754.99	324.14
28 47 21 21-0003 EA Circuit Expander Module (Fire-Lite ECC_CE6).....	535.50	25.93
28 47 21 21-0004 EA 25V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_25V).....	470.47	32.42
28 47 21 21-0005 EA 75V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_70V).....	485.11	32.42
28 47 21 21-0006 EA 70V Transformer Conversion Module (Fire-Lite ECC_XRM_70V).....	249.39	32.42
28 47 21 21-0007 EA Local Operator Console (Fire-Lite ECC-LOC).....	1,478.54	64.82
28 47 21 21-0008 EA Remote Page Unit Hand Held Microphone (Fire-Lite ECC-RPU).....	1,171.15	16.20
28 47 21 21-0009 EA Distributed (Remote) Audio Amplifier, 50 Watts (Fire-Lite ECC-50DA)	1,124.31	64.82
28 47 21 21-0010 EA Distributed (Remote) Audio Amplifier, 125 Watts (Fire-Lite ECC-125DA)	1,938.35	64.82
28 47 21 21-0011 EA Distributed (Remote) Audio Amplifier With Backup, 50/100 Watts (Fire-Lite ECC50BDA).....	3,077.23	64.82
28 47 21 21-0012 EA 100 Watt Primary / 50 Watt Back-up Remote Amplifier Expander Card (Fire-Lite ECC-50WBU).....	1,508.08	32.42
28 47 21 21-0013 EA Distributed Audio Speaker Circuit/Zone Expander Module (Fire-Lite ECC-CE4).....	465.12	32.42
28 47 21 21-0014 EA Addressable Mini-Monitor Module (Fire-Lite MMF-301).....	108.56	32.42
28 47 21 21-0015 EA Thumb Latch (Fire-Lite THUMBLTCH).....	60.30	12.97
28 47 21 21-0016 EA 25-120 Ampere-Hours (AH) Battery Charger (Fire-Lite CHG-120F).....	842.95	12.97
28 47 21 21-0017 EA Replacement Microphone (Fire-Lite ECC-MICROPHONE).....	173.81	12.97
28 47 21 21-0018 EA 12 Volt, 7 Ampere-Hour (AH) Battery (Fire-Lite BAT-1270).....	322.52	32.42
28 47 21 21-0019 EA 12 Volt, 12 Ampere-Hour (AH) Battery (Fire-Lite BAT-12120).....	414.61	32.42
28 47 21 21-0020 EA 12 Volt, 18 Ampere-Hour (AH) Battery (Fire-Lite BAT-12180).....	307.57	32.42
28 49 Electronic Personal Protection Systems (28 49)		
28 49 11 Electronic Personal Safety Detection Systems (28 49)		
28 49 11 00-0001 Personnel Alarm Locating System (28 49 11)		
Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002 EA Personnel Alarm Locating System.....	24,567.51	1,040.52
Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003 EA Personnel Alarm Transmitters With Lithium Batteries.....	194.88	
28 49 11 00-0004 EA Lapel Reader.....	74.96	
28 49 11 00-0005 EA IR Locator.....	272.77	38.96
28 49 11 00-0006 EA Repeater And Receivers.....	664.47	129.86

28	28	Electronic Safety and Security
	28 40	Life Safety
	28 49	Electronic Personal Protection Systems



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

28 49 11 00-0007		Identipass Card Access Control System (28 49 11)		
		Note: Excludes wiring and programming.		
28 49 11 00-0008	EA	Indala Proximity Keytags (IDENT ASC-116).....	9.40	
28 49 11 00-0009	EA	Indala Flexcard Proximity Card, 26bit (IDENT ASC-121T)	5.49	
28 49 11 00-0010	EA	Communications Converter (IDENT F55-485/conv)	614.11	32.42
28 49 11 00-0011	EA	4-Door Controller (IDENT F55-9CTLR/6).....	4,607.80	259.32
28 49 11 00-0012	EA	User Interface (IDENT F55-IPASSU).....	2,509.93	64.82
28 49 11 00-0013	EA	Network Interface (IDENT F55-NETLINK).....	691.16	64.82
28 49 11 00-0014	EA	4-Reader Expansion Board (IDENT F55-RDR/EXPD).....	1,810.35	32.42
28 49 11 00-0015	EA	Remote Input/Output Board (IDENT F55-RIO/BRD).....	2,948.54	162.07
28 49 11 00-0016	EA	Proximity Card Reader (IDENT F55-L/F 26SB)	686.55	129.66
28 49 11 00-0017	EA	Slimline Flexpass Proximity Card Reader (IDENT F60-L/F26SB)	686.55	129.66
28 49 11 00-0018	EA	Proximity Card Reader (IDENT F60 L/F 28WB)	686.55	129.66

28 49 17 Electronic Personal Safety Emergency Aid Devices (28 49)

28 49 17 00-0001		Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) (28 49 17)		
28 49 17 00-0002		Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5)	354.20	77.91
		Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).		
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5)	420.31	90.90
		Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.		
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5)	423.45	90.90
		Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.		
28 49 17 00-0006		Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	260.91	48.69
28 49 17 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	254.32	38.96
28 49 17 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	117.48	38.96
28 49 17 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	205.73	38.96
28 49 17 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	237.29	38.96
28 49 17 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	270.03	38.96
28 49 17 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	375.29	38.96
28 49 17 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	420.58	38.96

28 49 17 00-0015		Call Activation Devices, Emergency Aid Devices (Edwards Signaling) (28 49 17 00-0001)		
28 49 17 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537).....	157.08	38.96
28 49 17 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	232.29	38.96
28 49 17 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	304.91	38.96
28 49 17 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	327.58	12.99
28 49 17 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	239.01	38.96
28 49 17 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	282.44	38.96
28 49 17 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	480.34	38.96
28 49 17 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	227.07	38.96
28 49 17 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	276.83	12.99
28 49 17 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	428.40	12.99
28 49 17 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	437.72	12.99
28 49 17 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	576.91	12.99

END OF SECTION 28

31 Earthwork

31 05 Common Work Results for Earthwork⁽³¹⁾

31 05 13 Soils for Earthwork^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material)^(31 05 13)		
Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
31 05 13 00-0002	CY Bank Run/Fill Sand	34.98
	For Up To 8, Add	7.00
	For >8 To 16, Add	3.50
	For >48 To 64, Deduct	-2.62
	For >64 To 96, Deduct	-4.37
	For >96 To 168, Deduct	-6.12
	For >168 To 240, Deduct	-7.43
	For >240, Deduct	-8.74
31 05 13 00-0003	CY Screened/Washed Filter/Septic Sand	41.02
	For Up To 8, Add	8.20
	For >8 To 16, Add	4.10
	For >48 To 64, Deduct	-2.92
	For >64 To 96, Deduct	-4.98
	For >96 To 168, Deduct	-7.03
	For >168 To 240, Deduct	-8.49
	For >240, Deduct	-9.95
31 05 13 00-0004	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	55.52
	For Up To 8, Add	11.10
	For >8 To 16, Add	5.55
	For >48 To 64, Deduct	-3.65
	For >64 To 96, Deduct	-6.43
	For >96 To 168, Deduct	-9.20
	For >168 To 240, Deduct	-11.03
	For >240, Deduct	-12.85
31 05 13 00-0005	CY 3/16" Minus, Screened/Washed Concrete Sand	50.08
	For Up To 8, Add	10.02
	For >8 To 16, Add	5.01
	For >48 To 64, Deduct	-3.38
	For >64 To 96, Deduct	-5.88
	For >96 To 168, Deduct	-8.39
	For >168 To 240, Deduct	-10.07
	For >240, Deduct	-11.76
31 05 13 00-0006	CY 3/32" Minus, Screened/Washed Masonry/Mortar Sand	87.52
	For Up To 8, Add	17.50
	For >8 To 16, Add	8.75
	For >48 To 64, Deduct	-5.25
	For >64 To 96, Deduct	-9.63
	For >96 To 168, Deduct	-14.00
	For >168 To 240, Deduct	-16.63
	For >240, Deduct	-19.25
31 05 13 00-0007	CY Common Fill, Native Soil/Dirt	37.82
	For Up To 8, Add	7.56
	For >8 To 16, Add	3.78
	For >48 To 64, Deduct	-2.76
	For >64 To 96, Deduct	-4.66
	For >96 To 168, Deduct	-6.55
	For >168 To 240, Deduct	-7.93
	For >240, Deduct	-9.31
31 05 13 00-0008	CY Crushed Lime Rock Maximum 3-1/2"	41.91
	For Up To 8, Add	8.38
	For >8 To 16, Add	4.19
	For >48 To 64, Deduct	-2.97
	For >64 To 96, Deduct	-5.06
	For >96 To 168, Deduct	-7.16
	For >168 To 240, Deduct	-8.64
	For >240, Deduct	-10.13
31 05 13 00-0009	CY Asphalt Sand	35.29
	For Up To 8, Add	7.06
	For >8 To 16, Add	3.53
	For >48 To 64, Deduct	-2.64
	For >64 To 96, Deduct	-4.40
	For >96 To 168, Deduct	-6.17
	For >168 To 240, Deduct	-7.49
	For >240, Deduct	-8.81
31 05 13 00-0010	CY Sand/Clay	36.52
	For Up To 8, Add	7.30
	For >8 To 16, Add	3.65
	For >48 To 64, Deduct	-2.70
	For >64 To 96, Deduct	-4.53
	For >96 To 168, Deduct	-6.35
	For >168 To 240, Deduct	-7.70
	For >240, Deduct	-9.05

31 Earthwork**31 05 Common Work Results for Earthwork****31 05 13 Soils for Earthwork**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 05 13 00-0011	CY	Recycled Concrete Aggregate	37.67	
		For Up To 8, Add	7.53	
		For >8 To 16, Add	3.77	
		For >48 To 64, Deduct	-2.76	
		For >64 To 96, Deduct	-4.64	
		For >96 To 168, Deduct	-6.52	
		For >168 To 240, Deduct	-7.90	
		For >240, Deduct	-9.28	
31 05 13 00-0012	CY	Sand Fill, Washed Aggregate	46.65	
		For Up To 8, Add	9.33	
		For >8 To 16, Add	4.67	
		For >48 To 64, Deduct	-3.21	
		For >64 To 96, Deduct	-5.54	
		For >96 To 168, Deduct	-7.87	
		For >168 To 240, Deduct	-9.47	
		For >240, Deduct	-11.08	
31 05 13 00-0013	CY	Pond Sand	25.77	
		For Up To 8, Add	5.15	
		For >8 To 16, Add	2.58	
		For >48 To 64, Deduct	-2.16	
		For >64 To 96, Deduct	-3.45	
		For >96 To 168, Deduct	-4.74	
		For >168 To 240, Deduct	-5.82	
		For >240, Deduct	-6.90	

31 05 16 Aggregates for Earthwork (31 05)

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) (31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0002	CY	#2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean)	55.81	
		For Up To 8, Add	11.16	
		For >8 To 16, Add	5.58	
		For >48 To 64, Deduct	-3.66	
		For >64 To 96, Deduct	-6.45	
		For >96 To 168, Deduct	-9.25	
		For >168 To 240, Deduct	-11.08	
		For >240, Deduct	-12.91	
31 05 16 00-0003	CY	#3 Stone Aggregate Fill (1" To 2" Clean)	58.06	
		For Up To 8, Add	11.61	
		For >8 To 16, Add	5.81	
		For >48 To 64, Deduct	-3.78	
		For >64 To 96, Deduct	-6.68	
		For >96 To 168, Deduct	-9.58	
		For >168 To 240, Deduct	-11.47	
		For >240, Deduct	-13.36	
31 05 16 00-0004	CY	#4 Stone Aggregate Fill (3/4" To 1-1/2" Clean)	55.81	
		For Up To 8, Add	11.16	
		For >8 To 16, Add	5.58	
		For >48 To 64, Deduct	-3.66	
		For >64 To 96, Deduct	-6.45	
		For >96 To 168, Deduct	-9.25	
		For >168 To 240, Deduct	-11.08	
		For >240, Deduct	-12.91	
31 05 16 00-0005	CY	#5 Stone Aggregate Fill (1/2" To 1" Clean)	59.69	
		For Up To 8, Add	11.94	
		For >8 To 16, Add	5.97	
		For >48 To 64, Deduct	-3.86	
		For >64 To 96, Deduct	-6.84	
		For >96 To 168, Deduct	-9.83	
		For >168 To 240, Deduct	-11.76	
		For >240, Deduct	-13.69	
31 05 16 00-0006	CY	#6 Stone Aggregate Fill (3/8" To 3/4" Clean)	61.97	
		For Up To 8, Add	12.39	
		For >8 To 16, Add	6.20	
		For >48 To 64, Deduct	-3.97	
		For >64 To 96, Deduct	-7.07	
		For >96 To 168, Deduct	-10.17	
		For >168 To 240, Deduct	-12.16	
		For >240, Deduct	-14.14	
31 05 16 00-0007	CY	#56 Stone Aggregate Fill (3/8" To 1")	60.04	
		For Up To 8, Add	12.01	
		For >8 To 16, Add	6.00	
		For >48 To 64, Deduct	-3.88	
		For >64 To 96, Deduct	-6.88	
		For >96 To 168, Deduct	-9.88	
		For >168 To 240, Deduct	-11.82	
		For >240, Deduct	-13.76	
31 05 16 00-0008	CY	#57 Stone Aggregate Fill (3/8" To 1")	64.03	
		For Up To 8, Add	12.81	
		For >8 To 16, Add	6.40	
		For >48 To 64, Deduct	-4.08	
		For >64 To 96, Deduct	-7.28	
		For >96 To 168, Deduct	-10.48	
		For >168 To 240, Deduct	-12.52	
		For >240, Deduct	-14.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0009		CY	#67 Or #68 Stone Aggregate Fill (3/16" To 3/4")	57.93	
			For Up To 8, Add	11.59	
			For >8 To 16, Add	5.79	
			For >48 To 64, Deduct	-3.77	
			For >64 To 96, Deduct	-6.67	
			For >96 To 168, Deduct	-9.56	
			For >168 To 240, Deduct	-11.45	
			For >240, Deduct	-13.33	
31 05 16 00-0010		CY	#7 Stone Aggregate Fill (3/8" To 1/2")	59.04	
			For Up To 8, Add	11.81	
			For >8 To 16, Add	5.90	
			For >48 To 64, Deduct	-3.83	
			For >64 To 96, Deduct	-6.78	
			For >96 To 168, Deduct	-9.73	
			For >168 To 240, Deduct	-11.64	
			For >240, Deduct	-13.56	
31 05 16 00-0011		CY	#78 Stone Aggregate Fill (3/32" To 1/2")	59.52	
			For Up To 8, Add	11.90	
			For >8 To 16, Add	5.95	
			For >48 To 64, Deduct	-3.85	
			For >64 To 96, Deduct	-6.83	
			For >96 To 168, Deduct	-9.80	
			For >168 To 240, Deduct	-11.73	
			For >240, Deduct	-13.65	
31 05 16 00-0012		CY	#8 Stone Aggregate Fill (3/32" To 3/8")	61.97	
			For Up To 8, Add	12.39	
			For >8 To 16, Add	6.20	
			For >48 To 64, Deduct	-3.97	
			For >64 To 96, Deduct	-7.07	
			For >96 To 168, Deduct	-10.17	
			For >168 To 240, Deduct	-12.16	
			For >240, Deduct	-14.14	
31 05 16 00-0013		CY	#89 Stone Aggregate Fill (1/16" To 3/8")	62.66	
			For Up To 8, Add	12.53	
			For >8 To 16, Add	6.27	
			For >48 To 64, Deduct	-4.01	
			For >64 To 96, Deduct	-7.14	
			For >96 To 168, Deduct	-10.27	
			For >168 To 240, Deduct	-12.28	
			For >240, Deduct	-14.28	
31 05 16 00-0014		CY	#9 Stone Aggregate Fill (3/32" To 3/16")	61.97	
			For Up To 8, Add	12.39	
			For >8 To 16, Add	6.20	
			For >48 To 64, Deduct	-3.97	
			For >64 To 96, Deduct	-7.07	
			For >96 To 168, Deduct	-10.17	
			For >168 To 240, Deduct	-12.16	
			For >240, Deduct	-14.14	
31 05 16 00-0015		CY	#10 Stone Aggregate Fill (1/16" To 3/16")	63.38	
			For Up To 8, Add	12.68	
			For >8 To 16, Add	6.34	
			For >48 To 64, Deduct	-4.04	
			For >64 To 96, Deduct	-7.21	
			For >96 To 168, Deduct	-10.38	
			For >168 To 240, Deduct	-12.40	
			For >240, Deduct	-14.42	
31 05 16 00-0016		CY	#610 Modified Stone Aggregate Fill (1/16" To 3/4")	62.66	
			For Up To 8, Add	12.53	
			For >8 To 16, Add	6.27	
			For >48 To 64, Deduct	-4.01	
			For >64 To 96, Deduct	-7.14	
			For >96 To 168, Deduct	-10.27	
			For >168 To 240, Deduct	-12.28	
			For >240, Deduct	-14.28	
31 05 16 00-0017		CY	Screenings Stone Aggregate Fill (3/16" Max)	52.66	
			For Up To 8, Add	10.53	
			For >8 To 16, Add	5.27	
			For >48 To 64, Deduct	-3.51	
			For >64 To 96, Deduct	-6.14	
			For >96 To 168, Deduct	-8.77	
			For >168 To 240, Deduct	-10.53	
			For >240, Deduct	-12.28	
31 05 16 00-0018		CY	Over 6" To 12" Stone Aggregate Fill, Random Size	57.18	
			For Up To 8, Add	11.44	
			For >8 To 16, Add	5.72	
			For >48 To 64, Deduct	-3.73	
			For >64 To 96, Deduct	-6.59	
			For >96 To 168, Deduct	-9.45	
			For >168 To 240, Deduct	-11.32	
			For >240, Deduct	-13.18	
31 05 16 00-0019		CY	Over 6" To 12" Graded Stone Aggregate Fill	57.18	
			For Up To 8, Add	11.44	
			For >8 To 16, Add	5.72	
			For >48 To 64, Deduct	-3.73	
			For >64 To 96, Deduct	-6.59	
			For >96 To 168, Deduct	-9.45	
			For >168 To 240, Deduct	-11.32	
			For >240, Deduct	-13.18	

31 Earthwork**31 05 Common Work Results for Earthwork****31 05 16 Aggregates for Earthwork**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 05 16 00-0020	CY	3" To 7" Surge Stone Aggregate Fill, Random Size.....	61.70
		For Up To 8, Add	12.34
		For >8 To 16, Add	6.17
		For >48 To 64, Deduct	-3.96
		For >64 To 96, Deduct	-7.04
		For >96 To 168, Deduct	-10.13
		For >168 To 240, Deduct	-12.11
		For >240, Deduct	-14.09
31 05 16 00-0021	CY	3" To 7" Surge Stone Graded Aggregate Fill	64.92
		For Up To 8, Add	12.98
		For >8 To 16, Add	6.49
		For >48 To 64, Deduct	-4.12
		For >64 To 96, Deduct	-7.37
		For >96 To 168, Deduct	-10.61
		For >168 To 240, Deduct	-12.67
		For >240, Deduct	-14.73
31 05 16 00-0022	CY	Crusher Run Aggregate Fill (2-1/2" Minus)	36.93
		For Up To 8, Add	7.39
		For >8 To 16, Add	3.69
		For >48 To 64, Deduct	-2.72
		For >64 To 96, Deduct	-4.57
		For >96 To 168, Deduct	-6.41
		For >168 To 240, Deduct	-7.77
		For >240, Deduct	-9.13
31 05 16 00-0023	CY	Crusher Run Aggregate Fill (1-1/2" Minus)	40.47
		For Up To 8, Add	8.09
		For >8 To 16, Add	4.05
		For >48 To 64, Deduct	-2.90
		For >64 To 96, Deduct	-4.92
		For >96 To 168, Deduct	-6.94
		For >168 To 240, Deduct	-8.39
		For >240, Deduct	-9.84
31 05 16 00-0024	CY	Crusher Run Aggregate Fill (3/4" Minus)	38.17
		For Up To 8, Add	7.63
		For >8 To 16, Add	3.82
		For >48 To 64, Deduct	-2.78
		For >64 To 96, Deduct	-4.69
		For >96 To 168, Deduct	-6.60
		For >168 To 240, Deduct	-7.99
		For >240, Deduct	-9.38

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization ⁽³¹⁾⁽⁰⁵⁾

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing ⁽³¹⁾**31 11 Clearing and Grubbing ^(31 10)****31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)**

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip	7,825.87
		Note: Includes grub and removal of stump	
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	2,332.93
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	10,434.49
		Note: Includes grub and removal of stump	
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	3,888.21
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	14,347.43
		Note: Includes grub and removal of stump	
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	5,832.31
31 11 00 00-0008	ACR	Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip	20,868.98
		Note: Includes grub and removal of stump	
31 11 00 00-0009	ACR	Clear And Grub Heavy Stumps Only Up To 24" Diameter	8,165.24
31 11 00 00-0010	ACR	Clearing By Machine - Light Brush Without Grub	354.01
31 11 00 00-0011	ACR	Clearing By Machine - Medium Brush Without Grub	737.76
31 11 00 00-0012	ACR	Clearing By Machine - Heavy Brush Without Grub	1,040.77
31 11 00 00-0013	ACR	Chipping - Light Brush	2,783.03
31 11 00 00-0014	ACR	Chipping - Medium Brush	3,578.35
31 11 00 00-0015	ACR	Chipping - Heavy Brush	5,010.16

31 11 00 00-0016 Loading Of Cleared And Grubbed Material ^(31 11)

See CSI section 01 74 19 00-0039 for hauling.

31 11 00 00-0017	CY	Machine Loading Of Cleared And Grubbed Material	12.44
31 11 00 00-0018	CY	Chute Loading Of Cleared And Grubbed Material	14.93
31 11 00 00-0019	CY	Hand Loading Of Cleared And Grubbed Material	41.99
31 11 00 00-0020	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	32.99

31 13 Selective Tree and Shrub Removal and Trimming ^(31 10)**31 13 13 Selective Tree and Shrub Removal ^(31 13)****31 13 13 00-0001 Individual Tree Removal ^(31 13 13)**

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

		Earthwork	31	15
		Site Clearing	31 10	
		Selective Tree and Shrub Removal and Trimming	31 13	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal..... Note: Includes cutting up tree, chipping and loading.	652.16	
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal..... Note: Includes cutting up tree, chipping and loading.	978.23	
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal..... Note: Includes cutting up tree, chipping and loading.	1,304.31	
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal..... Note: Includes cutting up tree, chipping and loading.	1,956.47	
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal..... Note: Includes cutting up tree, chipping and loading.	2,608.62	
31 13 13 00-0007		Stump Removal (31 13 13) Note: Measured by diameter of stump.		
31 13 13 00-0008		Stump Removal By Machine (31 13 13 00-0007)		
31 13 13 00-0009	EA	Up To 6" Diameter Stump Removal..... Note: Includes excavation necessary to remove stump and loading.	116.65	
31 13 13 00-0010	EA	>6" To 12" Diameter Stump Removal..... Note: Includes excavation necessary to remove stump and loading.	223.57	
31 13 13 00-0011	EA	>12" To 24" Diameter Stump Removal..... Note: Includes excavation necessary to remove stump and loading.	291.61	
31 13 13 00-0012	EA	>24" To 36" Diameter Stump Removal..... Note: Includes excavation necessary to remove stump and loading.	437.43	
31 13 13 00-0013	EA	>36" To 48" Diameter Stump Removal..... Note: Includes excavation necessary to remove stump and loading.	515.22	
31 13 13 00-0014		Stump Removal By Hand (31 13 13 00-0007)		
31 13 13 00-0015	EA	Up To 6" Diameter Stump Removal By Hand..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	679.62	
31 13 13 00-0016	EA	>6" To 12" Diameter Stump Removal By Hand..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	849.52	
31 13 13 00-0017	EA	>12" To 24" Diameter Stump Removal By Hand..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,245.96	
31 13 13 00-0018	EA	>24" To 36" Diameter Stump Removal By Hand..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,699.03	
31 13 13 00-0019	EA	>36" To 48" Diameter Stump Removal By Hand..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,265.38	
31 13 13 00-0020		Stump Grinding (31 13 13) Note: Measured by diameter of stump.		
31 13 13 00-0021		Stump Grinding, 18" Deep Below Surface Of Soil (31 13 13 00-0020) Note: Level soil to match existing surface area.		
31 13 13 00-0022	EA	Stump Grinding Up To 6" Tree..... For 24" Depth, Add	127.18 25.44	
31 13 13 00-0023	EA	Stump Grinding >6" To 12" Tree..... For 24" Depth, Add	158.98 31.80	
31 13 13 00-0024	EA	Stump Grinding >12" To 15" Tree..... For 24" Depth, Add	190.78 38.16	
31 13 13 00-0025	EA	Stump Grinding >15" To 18" Tree..... For 24" Depth, Add	211.97 42.39	
31 13 13 00-0026	EA	Stump Grinding >18" To 21" Tree..... For 24" Depth, Add	227.87 45.57	
31 13 13 00-0027	EA	Stump Grinding >21" To 24" Tree..... For 24" Depth, Add	243.77 48.75	
31 13 13 00-0028	EA	Stump Grinding >24" To 27" Tree..... For 24" Depth, Add	264.97 52.99	
31 13 13 00-0029	EA	Stump Grinding >27" To 30" Tree..... For 24" Depth, Add	289.11 57.82	
31 13 13 00-0030	EA	Stump Grinding >30" To 33" Tree..... For 24" Depth, Add	321.23 64.25	
31 13 13 00-0031	EA	Stump Grinding >33" To 36" Tree..... For 24" Depth, Add	353.35 70.67	
31 13 13 00-0032	EA	Stump Grinding >36" To 42" Tree..... For 24" Depth, Add	385.47 77.09	
31 13 13 00-0033	EA	Stump Grinding >42" To 48" Tree..... For 24" Depth, Add	428.30 85.66	
31 13 13 00-0034	EA	Stump Grinding >48" To 60" Tree..... For 24" Depth, Add For >10, Deduct	535.38 107.08 -66.92	
31 13 13 00-0035	EA	Stump Grinding >60" To 72" Tree..... For 24" Depth, Add For >10, Deduct	669.22 133.84 -83.65	
31 13 13 00-0036	EA	Stump Grinding >72" To 84" Tree..... For 24" Depth, Add For >10, Deduct	856.61 171.32 -107.08	
31 13 13 00-0037		Shrub Removal (31 13 13)		
31 13 13 00-0038	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	50.36	
31 13 13 00-0039	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	78.98	

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree and Shrub Removal and Trimming**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 13 13 00-0040	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen	91.56
31 13 13 00-0041	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	137.34
31 13 13 00-0042	EA	Removal Of 12" To 15" Shrub, Deciduous	25.18
31 13 13 00-0043	EA	Removal Of 18" To 24" Shrub, Deciduous	38.92
31 13 13 00-0044	EA	Removal Of 2' To 3' Shrub, Deciduous	50.36
31 13 13 00-0045	EA	Removal Of 3' To 4' Shrub, Deciduous	54.94
31 13 13 00-0046	EA	Removal Of 18" To 24" Shrub, Evergreen	50.36
31 13 13 00-0047	EA	Removal Of 24" To 30" Shrub, Evergreen	54.94
31 13 13 00-0048	EA	Removal Of 30" To 36" Shrub, Evergreen	78.98
31 13 13 00-0049	EA	Removal Of 36" To 42" Shrub, Evergreen	137.34

31 13 13 00-0050 Fallen Tree Removal ^(31 13 13)

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.

31 13 13 00-0051	EA	Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	521.73
Note: Includes cutting up tree, chipping and loading.			
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>			-130.43
<i>For >25, Deduct</i>			-65.22
31 13 13 00-0052	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	782.59
Note: Includes cutting up tree, chipping and loading.			
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>			-195.65
<i>For >25, Deduct</i>			-97.82
31 13 13 00-0053	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	1,043.45
Note: Includes cutting up tree, chipping and loading.			
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>			-260.86
<i>For >10, Deduct</i>			-104.35
31 13 13 00-0054	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	1,565.18
Note: Includes cutting up tree, chipping and loading.			
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>			-391.30
<i>For >10, Deduct</i>			-156.52
31 13 13 00-0055	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	2,086.90
Note: Includes cutting up tree, chipping and loading.			
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>			-521.73
<i>For >10, Deduct</i>			-208.69
31 13 13 00-0056	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal	2,608.62
Note: Includes cutting up tree, chipping and loading.			
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>			-652.16
<i>For >10, Deduct</i>			-260.86

31 13 16 Selective Tree and Shrub Trimming ^(31 13)

See CSI section 32 01 90 23-0000 for tree pruning.

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance ^(31 13 16)

Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	2.11
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	3.17
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	3.72

31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure ^(31 13 16)

Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.

31 13 16 00-0006	EA	Trim Tree Branch Minimum Charge	766.71
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
31 13 16 00-0007	EA	Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	19.16
31 13 16 00-0008	EA	>1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	21.57
31 13 16 00-0009	EA	>2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	26.36
31 13 16 00-0010	EA	Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	23.96
31 13 16 00-0011	EA	>1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	26.95
31 13 16 00-0012	EA	>2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	32.95

31 20 Earth Moving ⁽³¹⁾

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 22 Grading (31 20)

31 22 13 Rough Grading (31 22)

See CSI section 31 23 16 00-0000 for rough grading.

31 22 16 Fine Grading (31 22)

31 22 16 13 Roadway Subgrade Reshaping (31 22 16)

See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.

31 22 19 Finish Grading (31 22)

31 22 19 13 Spreading and Grading Topsoil (31 22 19)

31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs (31 22 19 13)

Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

31 22 19 13-0002 Hand Digging And Grading (31 22 19 13-0001)

31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade	1.15
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade	1.05
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	1.09
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	0.92

31 22 19 13-0007 Machine Operations (31 22 19 13-0001)

31 22 19 13-0008 Machine Operations With Grader (31 22 19 13-0007)

31 22 19 13-0009	CSY	Semi-Grade, 2 Passes With Grader	454.80
31 22 19 13-0010	CSY	Fine Grade, 3 Passes With Grader	631.67

31 23 Excavation and Fill (31 20)

31 23 16 Excavation (31 23)

31 23 16 13 Trenching (31 23 16)

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine (31 23 16 13)

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	12.09
		For Excavation In Light Material (Class A), Deduct	-1.51
		For Excavation In Heavy/Wet Material (Class C), Add	4.84
		For Up To 20, Add	12.09
		For >20 To 50, Add	9.07
		For >50 To 250, Add	4.84
		For >250 To 500, Add	1.61
		For >1,000, Deduct	-1.81
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	7.79
		For Excavation In Light Material (Class A), Deduct	-0.97
		For Excavation In Heavy/Wet Material (Class C), Add	3.12
		For Up To 20, Add	7.79
		For >20 To 50, Add	5.84
		For >50 To 250, Add	3.12
		For >250 To 500, Add	1.17
		For >1,000, Deduct	-1.17
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	20.01
		Note: Includes compacted aggregate	
		For Up To 20, Add	20.01
		For >20 To 50, Add	15.01
		For >50 To 250, Add	8.00
		For >250 To 500, Add	3.00
		For >1,000, Deduct	-3.00
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	13.84
		Note: Includes compacted aggregate	
		For Up To 20, Add	13.84
		For >20 To 50, Add	10.38
		For >50 To 250, Add	5.54
		For >250 To 500, Add	2.08
		For >1,000, Deduct	-2.08

31 23 16 13-0006 Direct Burial (Plowed-in) Cable Or Piping By Machine (31 23 16 13)

Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0007	LF	Direct Burial of Cable or Piping up to 12" Deep	2.69
31 23 16 13-0008	LF	Direct Burial of Cable or Piping >12" to 24" Deep	2.96
31 23 16 13-0009	LF	Direct Burial of Cable or Piping >24" to 36" Deep	4.21
31 23 16 13-0010	LF	Direct Burial of Cable or Piping >36" to 48" Deep	4.75

31 23 16 13-0011 Excavation For Trenching By Hand (31 23 16 13)

31 23 16 13-0012	CY	Excavation For Trenching By Hand In Soil	138.56
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0013	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate	237.68
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0014	SF	Trim Bottom Of Excavation Hand Labor	1.08
		Note: For use with machine excavation.	
31 23 16 13-0015	SF	Trim Slopes/Sides Of Excavation Hand Labor	1.24
		Note: For use with machine excavation.	

31 Earthwork**31 20 Earth Moving****31 23 Excavation and Fill**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 23 16 13-0016 Backfilling Or Placing Subbase For Trenches (31 23 16 13)	
Note: With imported or stockpiled materials.	
31 23 16 13-0017 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine.....	4.43
For Up To 20, Add	4.43
For >20 To 50, Add	3.32
For >50 To 250, Add	1.77
For >250 To 500, Add	0.66
For >1,000, Deduct	-0.66
31 23 16 13-0018 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand.....	38.49
31 23 16 13-0019 Compaction Of Fill Or Subbase For Trenches (31 23 16 13)	
Note: Includes restoration of final grade.	
31 23 16 13-0020 CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera.....	8.04
For Up To 20, Add	8.04
For >20 To 50, Add	6.03
For >50 To 250, Add	3.22
For >250 To 500, Add	1.21
For >1,000, Deduct	-1.21
31 23 16 13-0021 CY Compaction of Fill or Subbase for Trenches by Hand	43.42
31 23 16 13-0022 Loading Excess Material For Removal From Excavation For Trenches (31 23 16 13)	
Note: Includes handwork by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.	
31 23 16 13-0023 CY Load Excess Material by Machine for Removal from Excavation for Trenching	7.70
For Up To 20, Add	7.70
For >20 To 50, Add	5.78
For >50 To 250, Add	3.08
For >250 To 500, Add	1.16
For >1,000, Deduct	-1.16
31 23 16 13-0024 CY Load Excess Material by Hand for Removal from Excavation for Trenching	101.60
31 23 16 13-0025 Spread Excess Or Imported Material For Trenches (31 23 16 13)	
Note: Includes hand work by laborer for clean-up.	
31 23 16 13-0026 CY Spread Excess Or Imported Material On Site With Machine	3.69
For Up To 20, Add	3.69
For >20 To 50, Add	2.77
For >50 To 250, Add	1.48
For >250 To 500, Add	0.55
For >1,000, Deduct	-0.55
31 23 16 13-0027 Utility Chain Trencher (31 23 16 13)	
31 23 16 13-0028 Utility Trench, Chain Trencher (31 23 16 13-0027)	
Note: Earth left adjacent to trench.	
31 23 16 13-0029 LF 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.51
For >100 To 250, Deduct	-0.11
For >250 To 500, Deduct	-0.23
For >500, Deduct	-0.45
31 23 16 13-0030 LF 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.65
For >100 To 250, Deduct	-0.12
For >250 To 500, Deduct	-0.25
For >500, Deduct	-0.50
31 23 16 13-0031 LF 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.71
For >100 To 250, Deduct	-0.12
For >250 To 500, Deduct	-0.26
For >500, Deduct	-0.51
31 23 16 13-0032 LF 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.81
For >100 To 250, Deduct	-0.13
For >250 To 500, Deduct	-0.27
For >500, Deduct	-0.54
31 23 16 13-0033 LF 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.98
For >100 To 250, Deduct	-0.14
For >250 To 500, Deduct	-0.30
For >500, Deduct	-0.59
31 23 16 13-0034 LF 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.26
For >100 To 250, Deduct	-0.16
For >250 To 500, Deduct	-0.34
For >500, Deduct	-0.68
31 23 16 13-0035 LF 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.71
For >100 To 250, Deduct	-0.19
For >250 To 500, Deduct	-0.41
For >500, Deduct	-0.81
31 23 16 13-0036 LF 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	2.56
For >100 To 250, Deduct	-0.18
For >250 To 500, Deduct	-0.38
For >500, Deduct	-0.77
31 23 16 13-0037 LF 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	3.01
For >100 To 250, Deduct	-0.21
For >250 To 500, Deduct	-0.45
For >500, Deduct	-0.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0038	LF		8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	3.42	
			For >100 To 250, Deduct	-0.24	
			For >250 To 500, Deduct	-0.51	
			For >500, Deduct	-1.03	
31 23 16 13-0039	LF		8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	4.06	
			For >100 To 250, Deduct	-0.28	
			For >250 To 500, Deduct	-0.61	
			For >500, Deduct	-1.22	
31 23 16 13-0040			Backfill Trenches With Compaction (31 23 16 13-0027)		
31 23 16 13-0041	LF		Backfill 4" Wide, 12" Deep Trench, With Compaction	0.23	
			For >100 To 250, Deduct	-0.02	
			For >250 To 500, Deduct	-0.03	
			For >500, Deduct	-0.07	
31 23 16 13-0042	LF		Backfill 4" Wide, 18" Deep Trench, With Compaction	0.37	
			For >100 To 250, Deduct	-0.03	
			For >250 To 500, Deduct	-0.06	
			For >500, Deduct	-0.11	
31 23 16 13-0043	LF		Backfill 4" Wide, 24" Deep Trench, With Compaction	0.48	
			For >100 To 250, Deduct	-0.03	
			For >250 To 500, Deduct	-0.07	
			For >500, Deduct	-0.14	
31 23 16 13-0044	LF		Backfill 6" Wide, 12" Deep Trench, With Compaction	0.37	
			For >100 To 250, Deduct	-0.03	
			For >250 To 500, Deduct	-0.06	
			For >500, Deduct	-0.11	
31 23 16 13-0045	LF		Backfill 6" Wide, 18" Deep Trench, With Compaction	0.48	
			For >100 To 250, Deduct	-0.03	
			For >250 To 500, Deduct	-0.07	
			For >500, Deduct	-0.14	
31 23 16 13-0046	LF		Backfill 6" Wide, 24" Deep Trench, With Compaction	0.74	
			For >100 To 250, Deduct	-0.05	
			For >250 To 500, Deduct	-0.11	
			For >500, Deduct	-0.22	
31 23 16 13-0047	LF		Backfill 6" Wide, 36" Deep Trench, With Compaction	1.05	
			For >100 To 250, Deduct	-0.07	
			For >250 To 500, Deduct	-0.16	
			For >500, Deduct	-0.32	
31 23 16 13-0048	LF		Backfill 8" Wide, 12" Deep Trench, With Compaction	0.48	
			For >100 To 250, Deduct	-0.03	
			For >250 To 500, Deduct	-0.07	
			For >500, Deduct	-0.14	
31 23 16 13-0049	LF		Backfill 8" Wide, 18" Deep Trench, With Compaction	0.74	
			For >100 To 250, Deduct	-0.05	
			For >250 To 500, Deduct	-0.11	
			For >500, Deduct	-0.22	
31 23 16 13-0050	LF		Backfill 8" Wide, 24" Deep Trench, With Compaction	0.98	
			For >100 To 250, Deduct	-0.07	
			For >250 To 500, Deduct	-0.15	
			For >500, Deduct	-0.29	
31 23 16 13-0051	LF		Backfill 8" Wide, 36" Deep Trench, With Compaction	1.46	
			For >100 To 250, Deduct	-0.10	
			For >250 To 500, Deduct	-0.22	
			For >500, Deduct	-0.44	
31 23 16 16			Structural Excavation for Minor Structures (31 23 16)		
31 23 16 16-0001			Post Holes (31 23 16 16)		
			Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.		
31 23 16 16-0002			Drilling Post Hole In Soil (31 23 16 16-0001)		
			Note: Auger by machine unless otherwise notified by owner.		
31 23 16 16-0003	VLF		Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	10.14	
31 23 16 16-0004	VLF		2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	11.41	
31 23 16 16-0005	VLF		3" Diameter Hole, Auger By Machine Post Hole In Soil	13.52	
31 23 16 16-0006	VLF		4" Diameter Hole, Auger By Machine Post Hole In Soil	15.21	
31 23 16 16-0007	VLF		6" Diameter Hole, Auger By Machine Post Hole In Soil	16.60	
31 23 16 16-0008	VLF		8" Diameter Hole, Auger By Machine Post Hole In Soil	18.26	
31 23 16 16-0009	VLF		10" Diameter Hole, Auger By Machine Post Hole In Soil	20.29	
31 23 16 16-0010	VLF		12" Diameter Hole, Auger By Machine Post Hole In Soil	22.82	
31 23 16 16-0011	VLF		18" Diameter Hole, Auger By Machine Post Hole In Soil	26.08	
31 23 16 16-0012	VLF		24" Diameter Hole, Auger By Machine Post Hole In Soil	30.43	
31 23 16 16-0013	VLF		30" Diameter Hole, Auger By Machine Post Hole In Soil	36.52	
31 23 16 16-0014	VLF		36" Diameter Hole, Auger By Machine Post Hole In Soil	45.65	
31 23 16 16-0015			Drilling Post Hole In Rock (31 23 16 16-0001)		
31 23 16 16-0016	CF		Jackhammer Post Hole, Rock	77.61	
31 23 16 16-0017	CF		Rock Drill Post Hole, Rock	21.21	
31 23 16 16-0018			Post Hole Fill (31 23 16 16-0001)		
31 23 16 16-0019			Concrete Fill (31 23 16 16-0018)		
31 23 16 16-0020	VLF		Concrete Fill, Up To 2-1/2" Diameter Hole	6.28	
31 23 16 16-0021	VLF		Concrete Fill, 2-1/2" Diameter Hole	8.06	
31 23 16 16-0022	VLF		Concrete Fill, 3" Diameter Hole	8.90	

31 Earthwork**31 20 Earth Moving****31 23 Excavation and Fill**

MINOR

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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

31 23 16 16-0023	VLF	Concrete Fill, 4" Diameter Hole.....	10.27
31 23 16 16-0024	VLF	Concrete Fill, 6" Diameter Hole.....	14.51
31 23 16 16-0025	VLF	Concrete Fill, 8" Diameter Hole.....	19.38
31 23 16 16-0026	VLF	Concrete Fill, 10" Diameter Hole.....	23.72
31 23 16 16-0027	VLF	Concrete Fill, 12" Diameter Hole.....	27.68
31 23 16 16-0028	VLF	Concrete Fill, 18" Diameter Hole.....	37.86
31 23 16 16-0029	VLF	Concrete Fill, 24" Diameter Hole.....	47.11
31 23 16 16-0030	VLF	Concrete Fill, 30" Diameter Hole.....	56.14
31 23 16 16-0031	VLF	Concrete Fill, 36" Diameter Hole.....	65.54

31 23 16 16-0032 Grout Fill (31 23 16 16-0018)

31 23 16 16-0033	VLF	Grout Fill, Up To 2-1/2" Diameter Hole	7.41
31 23 16 16-0034	VLF	Grout Fill, 2-1/2" Diameter Hole	9.53
31 23 16 16-0035	VLF	Grout Fill, 3" Diameter Hole	10.40
31 23 16 16-0036	VLF	Grout Fill, 4" Diameter Hole	11.74
31 23 16 16-0037	VLF	Grout Fill, 6" Diameter Hole	16.43
31 23 16 16-0038	VLF	Grout Fill, 8" Diameter Hole	21.93
31 23 16 16-0039	VLF	Grout Fill, 10" Diameter Hole	26.74
31 23 16 16-0040	VLF	Grout Fill, 12" Diameter Hole	31.06
31 23 16 16-0041	VLF	Grout Fill, 18" Diameter Hole	41.69
31 23 16 16-0042	VLF	Grout Fill, 24" Diameter Hole	51.09
31 23 16 16-0043	VLF	Grout Fill, 30" Diameter Hole	60.21
31 23 16 16-0044	VLF	Grout Fill, 36" Diameter Hole	69.57

31 23 16 16-0045 Earth Fill, Compacted (31 23 16 16-0018)

31 23 16 16-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole.....	5.14
31 23 16 16-0047	VLF	Earth Fill, 2-1/2" Diameter Hole	6.69
31 23 16 16-0048	VLF	Earth Fill, 3" Diameter Hole.....	7.00
31 23 16 16-0049	VLF	Earth Fill, 4" Diameter Hole.....	7.20
31 23 16 16-0050	VLF	Earth Fill, 6" Diameter Hole.....	9.62
31 23 16 16-0051	VLF	Earth Fill, 8" Diameter Hole.....	12.83
31 23 16 16-0052	VLF	Earth Fill, 10" Diameter Hole.....	15.40
31 23 16 16-0053	VLF	Earth Fill, 12" Diameter Hole.....	17.45
31 23 16 16-0054	VLF	Earth Fill, 18" Diameter Hole.....	21.27
31 23 16 16-0055	VLF	Earth Fill, 24" Diameter Hole.....	23.87
31 23 16 16-0056	VLF	Earth Fill, 30" Diameter Hole.....	26.18
31 23 16 16-0057	VLF	Earth Fill, 36" Diameter Hole.....	28.23

31 23 16 26 Rock Removal (31 23 16)**31 23 16 26-0001 Rock Breaking By Machine** (31 23 16 26)

Note: Excludes excavation of broken-up rock.

31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	29.68
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	31.67
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	37.60

31 23 16 33 Bulk Excavation (31 23 16)

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for less than 500 CY excavation.

31 23 16 33-0001 Excavation (31 23 16 33)

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	11.57
<i>For Excavation In Light Material (Class A), Deduct</i>			-1.45
<i>For Excavation In Heavy/Wet Material (Class C), Add</i>			4.63
<i>For >1,000, Deduct</i>			-1.74
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	6.29
<i>For Excavation In Light Material (Class A), Deduct</i>			-0.79
<i>For Excavation In Heavy/Wet Material (Class C), Add</i>			2.52
<i>For >1,000, Deduct</i>			-0.94
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock	14.24
<i>Note: Includes compacted aggregate</i>			
<i>For >1,000, Deduct</i>			-2.14
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	7.74
<i>Note: Includes compacted aggregate</i>			
<i>For >1,000, Deduct</i>			-1.16

31 23 16 33-0006 Spreading, Shaping And Rough Grading (31 23 16 33)

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	7.14
<i>For >1,000, Deduct</i>			-1.07

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations (31 23 16 33)

31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	7.94
<i>For >1,000, Deduct</i>			-1.19

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	6.35
<i>For >1,000, Deduct</i>			-0.95

			Earthwork	31	15
			Earth Moving	31 20	
			Excavation and Fill	31 23	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500' <i>For >1,000, Deduct</i>	9.52 -1.43		
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000' <i>For >1,000, Deduct</i>	14.29 -2.14		
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000' <i>For >1,000, Deduct</i>	19.05 -2.86		
31 23 16 33-0015		Finish Grading For Bulk Excavation (31 23 16 33)			
31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine.....	0.79		
31 23 16 33-0017		Compaction Of Fill Or Subbase, Per Lift (31 23 16 33) Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.			
31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.80		
31 23 16 33-0019		Loading Excess Material For Removal From Excavation (31 23 16 33) Note: For bulk excavation. Includes handwork by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.			
31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation <i>For >1,000, Deduct</i>	6.33 -0.95		
31 23 16 36		Excavation for Building Foundations and Other Structures (31 23 16) Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.			
31 23 16 36-0001		Excavation (31 23 16 36) Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.			
31 23 16 36-0002		Excavation For Building Foundations And Other Structures By Skid-Steer Loader (31 23 16 36-0001)			
31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	10.32 -1.29 4.13 10.32 7.74 4.13 1.55		
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock Note: Includes compacted aggregate <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	12.82 12.82 9.62 5.13 1.92		
31 23 16 36-0005		Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader (31 23 16 36-0001)			
31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	7.55 -0.94 3.02 7.55 5.66 3.02 1.13		
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock Note: Includes compacted aggregate <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	8.99 8.99 6.74 3.60 1.35		
31 23 16 36-0008		Excavation For Building Foundations And Other Structures By Hand (31 23 16 36-0001) Note: For areas not accessible by machine and only with owner's approval.			
31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i>	138.56 -17.32 55.42		
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock..... Note: Includes compacted aggregate	237.68		
31 23 16 36-0011		Relocating On Site Excavated Stockpiled Material From Excavation (31 23 16 36) Note: For building foundations and other structures.			
31 23 16 36-0012	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300' <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >250 To 500, Add</i>	6.35 6.35 4.76 2.54 0.95		

31 Earthwork**31 20 Earth Moving****31 23 Excavation and Fill**
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 UNIT COST UNIT COST

31 23 16 36-0013	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500'	9.52	
		For Up To 20, Add	9.52	
		For >20 To 50, Add	7.14	
		For >50 To 250, Add	3.81	
		For >250 To 500, Add	1.43	
31 23 16 36-0014	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000'	14.29	
		For Up To 20, Add	14.29	
		For >20 To 50, Add	10.72	
		For >50 To 250, Add	5.72	
		For >250 To 500, Add	2.14	
31 23 16 36-0015	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	19.05	
		For Up To 20, Add	19.05	
		For >20 To 50, Add	14.29	
		For >50 To 250, Add	7.62	
		For >250 To 500, Add	2.86	

31 23 16 36-0016 Backfilling (31 23 16 36)

Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.

31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	5.09	
		For Up To 20, Add	5.09	
		For >20 To 50, Add	3.82	
		For >50 To 250, Add	2.04	
		For >250 To 500, Add	0.76	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	5.85	
		For Up To 20, Add	5.85	
		For >20 To 50, Add	4.39	
		For >50 To 250, Add	2.34	
		For >250 To 500, Add	0.88	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	65.98	

31 23 16 36-0020 Compaction Of Fill Or Subbase (31 23 16 36)

Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.

31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	12.74	
		For Up To 20, Add	12.74	
		For >20 To 50, Add	9.56	
		For >50 To 250, Add	5.10	
		For >250 To 500, Add	1.91	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	43.41	

31 23 16 36-0023 Grading For Building Foundations And Other Structures (31 23 16 36)

31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	1.37	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	2.21	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	12.83	

31 23 16 36-0027 Loading Excess Material For Removal From Excavation (31 23 16 36)

Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.

31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	6.60	
		For Up To 20, Add	6.60	
		For >20 To 50, Add	4.95	
		For >50 To 250, Add	2.64	
		For >250 To 500, Add	0.99	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	101.60	

31 23 16 36-0030 Spread Excess Or Imported Material And Grade On Site (31 23 16 36)

Note: For building foundations and other structures.

31 23 16 36-0031	CY	Spread Excess Or Imported Material And Rough Grade On Site By Machine	3.69	
		For Up To 20, Add	3.69	
		For >20 To 50, Add	2.77	
		For >50 To 250, Add	1.48	
		For >250 To 500, Add	0.55	
31 23 16 36-0032	CY	Spread Excess Or Imported Material And Rough Grade On Site By Hand	56.07	

31 23 19 Dewatering (31 23)**31 23 19 00-0001 Well Point Dewatering System** (31 23 19)**31 23 19 00-0002 Delivery, Installation And Removal Cost** (31 23 19 00-0001)

Note: Priced by linear foot of header used.

31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	143.07	
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	78.69	
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	71.54	
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	64.38	
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	57.23	
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	50.08	

		Earthwork	31	13
		Earth Moving	31 20	
		Excavation and Fill	31 23	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

31 23 19 00-0009	Well Point Dewatering System Rental (31 23 19 00-0001)		
Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200' of header for four days - quantity should be 200'x4 or 800'). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.			
31 23 19 00-0010	LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	2.28	
	For >5 Days And <1 Month, Deduct	-0.50	
	For >1 Month, Deduct	-0.64	
31 23 19 00-0011	LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.33	
	For >5 Days And <1 Month, Deduct	-0.29	
	For >1 Month, Deduct	-0.37	
31 23 19 00-0012	LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.95	
	For >5 Days And <1 Month, Deduct	-0.21	
	For >1 Month, Deduct	-0.27	
31 23 19 00-0013	LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.70	
	For >5 Days And <1 Month, Deduct	-0.15	
	For >1 Month, Deduct	-0.20	
31 23 19 00-0014	LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.63	
	For >5 Days And <1 Month, Deduct	-0.14	
	For >1 Month, Deduct	-0.18	
31 23 19 00-0015	Well Point Dewatering System Operation Costs (31 23 19 00-0001)		
Note: The quantity for operation shall be the total number of hours the well point system is operational.			
31 23 19 00-0016	HR Operation Costs	131.24	
31 23 23	Fill (31 23)		
31 23 23 23	Compaction (31 23 23)		
31 23 23 23-0001	Compaction Water, Water Truck And Operator (31 23 23 23)		
31 23 23 23-0002	MGL Compaction Water, Water Truck And Operator	292.56	
Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)			
31 23 23 33	Flowable Fill (31 23 23)		
31 23 23 33-0001	Flowable Fill (Fly Ash) Cement Backfill For Trenches (31 23 23 33)		
Note: Includes compaction and restoration of final grade.			
31 23 23 33-0002	CY Flowable Fill (Fly Ash) Cement Backfill for Trenches	150.38	
	For Up To 20, Add	61.66	
	For >20 To 50, Add	40.01	
	For >50 To 250, Add	20.00	
	For >500 To 1,000, Deduct	-10.83	
	For >1,000, Deduct	-21.66	
31 24	Embankments (31 20)		
31 24 13	Roadway Embankments (31 24)		
31 24 13 00-0001	Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations (31 24 13)		
Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.			
31 24 13 00-0002	Cutting, Shaping And Rough Grading (31 24 13 00-0001)		
Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.			
31 24 13 00-0003	Cutting, Shaping, And Rough Grading (31 24 13 00-0002)		
31 24 13 00-0004	CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	7.94	
	For Up To 20, Add	7.94	
	For >20 To 50, Add	5.96	
	For >50 To 250, Add	3.18	
	For >250 To 500, Add	1.19	
	For >1,000, Deduct	-1.19	
31 24 13 00-0005	CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock	9.84	
Note: Includes compacted aggregate			
	For Up To 20, Add	9.84	
	For >20 To 50, Add	7.38	
	For >50 To 250, Add	3.94	
	For >250 To 500, Add	1.48	
	For >1,000, Deduct	-1.48	
31 24 13 00-0006	Cutting, Shaping, And Rough Grading By Hand (31 24 13 00-0002)		
31 24 13 00-0007	SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope	7.10	
31 24 13 00-0008	SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	9.24	

31	31	Earthwork
	31 20	Earth Moving
	31 24	Embankments

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 24 13 00-0009			Scarify Soil (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010	CSF		Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	7.35	
			For Up To 20, Add	3.68	
			For >20 To 50, Add	1.84	
			For >250 To 500, Deduct	-0.74	
			For >500, Deduct	-1.47	
31 24 13 00-0011			Relocating On Site Excavated Material (31 24 13 00-0001)		
31 24 13 00-0012	CY		>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	14.29	
			For Up To 20, Add	14.29	
			For >20 To 50, Add	10.72	
			For >50 To 250, Add	5.72	
			For >250 To 500, Add	2.14	
			For >1,000, Deduct	-2.14	
31 24 13 00-0013	CY		>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	19.05	
			For Up To 20, Add	19.05	
			For >20 To 50, Add	14.29	
			For >50 To 250, Add	7.62	
			For >250 To 500, Add	2.86	
			For >1,000, Deduct	-2.86	
31 24 13 00-0014			Spread And Shape Imported Or Stockpiled Material (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		
31 24 13 00-0015	CY		Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	8.73	
			For Up To 20, Add	8.73	
			For >20 To 50, Add	6.55	
			For >50 To 250, Add	3.49	
			For >250 To 500, Add	1.31	
			For >1,000, Deduct	-1.31	
31 24 13 00-0016			Grading (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY		Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.86	
31 24 13 00-0018	SY		Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.15	
31 24 13 00-0019	LF		Finish Grade For Curb	1.29	
31 24 13 00-0020	LF		Finish Grade For Curb And Gutter	1.58	
31 24 13 00-0021			Compaction Of Fill Or Subbase (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022	SY		Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.80	
			For Up To 250, Add	0.80	
			For >250 To 500, Add	0.60	
			For >500 To 1,000, Add	0.32	
			For >5,000, Deduct	-0.12	
31 24 13 00-0023			Loading Excess Material For Removal From Excavation (31 24 13 00-0001) Note: For roadways, parking areas, landscaping and embankments by machine. Includes handwork by laborer for clean-up.		
31 24 13 00-0024	CY		Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	6.33	
			For Up To 20, Add	6.33	
			For >20 To 50, Add	4.75	
			For >50 To 250, Add	2.53	
			For >250 To 500, Add	0.95	
			For >1,000, Deduct	-0.95	

31 25 Erosion and Sedimentation Controls (31 25)

31 25 14 Stabilization Measures for Erosion and Sedimentation Control (31 25)

31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)

31 25 14 13-0001			Bonded Fiber Matrix (31 25 14 13)		
31 25 14 13-0002	MSF		Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	65.42	
31 25 14 13-0003	MSF		>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	60.03	
31 25 14 13-0004	MSF		>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	55.46	
31 25 14 13-0005	MSF		>100,000 Bonded Fiber Matrix, Hydraulically Applied	52.85	

31 25 14 16 Rolled Erosion Control Mats and Blankets (31 25 14)

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001			Erosion Control Blankets And Turf Reinforcement Mats (31 25 14 16)		
31 25 14 16-0002			Erosion Control Blankets, Short Term, Light Duty (31 25 14 16-0001)		
31 25 14 16-0003	SY		S75 Single Net Erosion Control Blanket	3.30	
			Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	4.28	
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	3.13	
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	3.30	
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	2.92	
31 25 14 16-0008		Erosion Control Blankets, Intermediate Duration (31 25 14 16-0001)		
31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket..... Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	4.26	
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket..... Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	5.79	
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	3.54	
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green..... Note: As manufactured by American Excelsior.	3.71	
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket..... Note: As manufactured by American Excelsior.	3.97	
31 25 14 16-0014		Turf Reinforcement Mats (TRM) (31 25 14 16-0001)		
		Note: Permanent, UV stabilized.		
31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat..... Note: 100% synthetic, UV stabilized, two layer netting.	15.01	
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat..... Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	13.80	
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	17.70	
31 25 14 16-0018		Jute Mesh Erosion Control Blankets (31 25 14 16-0001)		
31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave.....	4.83	
31 25 14 16-0020		Revegetation Mat (31 25 14 16-0001)		
31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber..... Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	11.72	
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber..... Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	16.79	
31 25 14 23		Stabilization Measures for Erosion Control (31 25 14)		
		See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.		
31 25 14 23-0001		Floating Turbidity Curtain (31 25 14 23)		
		Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6" x 6", 13.5 lb/ft. buoyancy in fresh water and 14.4 lb/ft buoyancy in saltwater.		
31 25 14 23-0002	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	27.75	
		For Type 1, Deduct	-4.23	
		For 13 Oz PVC Fabric, Type 2, Deduct	-2.58	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	3.13	
31 25 14 23-0003	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	30.07	
		For Type 1, Deduct	-4.66	
		For 13 Oz PVC Fabric, Type 2, Deduct	-2.84	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	3.44	
31 25 14 23-0004	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	33.26	
		For Type 1, Deduct	-5.28	
		For 13 Oz PVC Fabric, Type 2, Deduct	-3.21	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	3.90	
31 25 14 23-0005	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	35.98	
		For Type 1, Deduct	-5.79	
		For 13 Oz PVC Fabric, Type 2, Deduct	-3.52	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	4.28	
31 25 14 23-0006	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	37.75	
		For Type 1, Deduct	-6.07	
		For 13 Oz PVC Fabric, Type 2, Deduct	-3.69	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	4.49	
31 25 14 23-0007	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	39.54	
		For Type 1, Deduct	-6.35	
		For 13 Oz PVC Fabric, Type 2, Deduct	-3.87	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	4.70	
31 25 14 23-0008	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	41.62	
		For Type 1, Deduct	-6.69	
		For 13 Oz PVC Fabric, Type 2, Deduct	-4.07	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	4.95	
31 25 14 23-0009	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	44.45	
		For Type 1, Deduct	-7.20	
		For 13 Oz PVC Fabric, Type 2, Deduct	-4.38	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	5.32	

31 Earthwork**31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 25 14 23-0010	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	46.71	
		<i>For Type 1, Deduct</i>	-7.57	
		<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.61	
		<i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	5.59	
31 25 14 23-0011	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	49.72	
		<i>For Type 1, Deduct</i>	-8.10	
		<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-4.93	
		<i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	5.99	
31 25 14 23-0012	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	52.54	
		<i>For Type 1, Deduct</i>	-8.58	
		<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-5.22	
		<i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	6.34	
31 25 14 23-0013	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	55.27	
		<i>For Type 1, Deduct</i>	-9.03	
		<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-5.50	
		<i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	6.68	
31 25 14 23-0014	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	60.12	
		<i>For Type 1, Deduct</i>	-9.97	
		<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-6.07	
		<i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	7.37	
31 25 14 23-0015	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	63.05	
		<i>For Type 1, Deduct</i>	-10.45	
		<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-6.36	
		<i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	7.72	
31 25 14 23-0016	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	65.89	
		<i>For Type 1, Deduct</i>	-10.90	
		<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-6.63	
		<i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	8.05	
31 25 14 23-0017	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	68.90	
		<i>For Type 1, Deduct</i>	-11.38	
		<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-6.93	
		<i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	8.41	
31 25 14 23-0018	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	71.83	
		<i>For Type 1, Deduct</i>	-11.83	
		<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-7.20	
		<i>For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add</i>	8.74	

31 25 14 23-0019 Turbidity Curtain Anchors (31 25 14 23)

31 25 14 23-0020	EA	14 Lb., Turbidity Curtain Anchor System	737.42	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0021	EA	25 Lb., Turbidity Curtain Anchor System	1,009.95	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0022	EA	40 Lb., Turbidity Curtain Anchor System	1,283.66	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0023	EA	65 Lb., Turbidity Curtain Anchor System	1,677.86	
		Note: Includes anchor, anchor chain, and marker buoy and rope.		

31 25 14 23-0024 Sand Bags (31 25 14 23)

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0025	BAG	50 Lb. Capacity Sand Bag With Sand.....	6.89	2.92
		<i>For >2,500 To 5,000, Deduct</i>	-0.58	
		<i>For >5,000, Deduct</i>	-1.27	
31 25 14 23-0026	BAG	75 Lb. Capacity Sand Bag With Sand.....	8.88	3.63
		<i>For >2,500 To 5,000, Deduct</i>	-0.73	
		<i>For >5,000, Deduct</i>	-1.61	
31 25 14 23-0027	BAG	100 Lb. Capacity Sand Bag With Sand.....	11.21	4.34
		<i>For >2,500 To 5,000, Deduct</i>	-0.87	
		<i>For >5,000, Deduct</i>	-1.99	
31 25 14 23-0028	BAG	125 Lb. Capacity Sand Bag With Sand.....	13.78	5.42
		<i>For >2,500 To 5,000, Deduct</i>	-1.09	
		<i>For >5,000, Deduct</i>	-2.46	
31 25 14 23-0029	BAG	150 Lb. Capacity Sand Bag With Sand.....	16.78	6.50
		<i>For >2,500 To 5,000, Deduct</i>	-1.30	
		<i>For >5,000, Deduct</i>	-2.98	
31 25 14 23-0030	BAG	175 Lb. Capacity Sand Bag With Sand.....	19.57	7.40
		<i>For >2,500 To 5,000, Deduct</i>	-1.48	
		<i>For >5,000, Deduct</i>	-3.44	
31 25 14 23-0031	BAG	2,000 Lb. Capacity Sand Bag With Sand.....	158.81	51.87
		<i>For >2,500 To 5,000, Deduct</i>	-9.67	
		<i>For >5,000, Deduct</i>	-25.55	
31 25 14 23-0032	BAG	3,000 Lb. Capacity Sand Bag With Sand.....	203.99	57.06
		<i>For >2,500 To 5,000, Deduct</i>	-10.63	
		<i>For >5,000, Deduct</i>	-31.03	

31 25 14 23-0033 Gravel Bags (31 25 14 23)

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0034	BAG	30 Lb. Capacity Gravel Bag With Gravel	6.53	1.94
		<i>For >2,500 To 5,000, Deduct</i>	-0.39	
		<i>For >5,000, Deduct</i>	-1.04	
31 25 14 23-0035	BAG	50 Lb. Capacity Gravel Bag With Gravel	11.78	2.92
		<i>For >2,500 To 5,000, Deduct</i>	-0.58	
		<i>For >5,000, Deduct</i>	-1.76	

31 25 14 23-0036 Filter Bags (31 25 14 23)

		Earthwork	31	15
		Earth Moving	31 20	
		Erosion and Sedimentation Controls	31 25	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

31 25 14 23-0037	Non-Woven Filter Bags (31 25 14 23-0036)	
31 25 14 23-0038	EA 6' x 15' Non-Woven Filter Bag	257.44
31 25 14 23-0039	EA 13' x 15' Non-Woven Filter Bag	372.53
31 25 14 23-0040	EA 15' x 15' Non-Woven Filter Bag	428.28

31 25 14 23-0041	Monofilament Filter Bags (31 25 14 23-0036)	
31 25 14 23-0042	EA 5' x 15' Monofilament Filter Bag	267.67
31 25 14 23-0043	EA 10' x 15' Monofilament Filter Bag	370.61

31 25 14 23-0044	Cable Articulating Concrete Block (31 25 14 23)	
Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045	SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill	42.49
	For >500 To 1,000, Add	5.43
	For Up To 500, Add	9.68
31 25 14 23-0046	SF 6" Open Cell Articulated Concrete Block With Earth Backfill	48.38
	For >500 To 1,000, Add	6.13
	For Up To 500, Add	10.97
31 25 14 23-0047	SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill	55.16
	For >500 To 1,000, Add	6.93
	For Up To 500, Add	12.45
31 25 14 23-0048	SF 9" Open Cell Articulated Concrete Block With Earth Backfill	62.13
	For >500 To 1,000, Add	7.79
	For Up To 500, Add	14.00
31 25 14 23-0049	SF 4.75" Closed Cell Articulated Concrete Block	45.32
	For >500 To 1,000, Add	5.71
	For Up To 500, Add	10.25
31 25 14 23-0050	SF 6" Closed Cell Articulated Concrete Block	51.77
	For >500 To 1,000, Add	6.47
	For Up To 500, Add	11.64
31 25 14 23-0051	SF 7.5" Closed Cell Articulated Concrete Block	59.18
	For >500 To 1,000, Add	7.34
	For Up To 500, Add	13.25
31 25 14 23-0052	SF 9" Closed Cell Articulated Concrete Block	66.73
	For >500 To 1,000, Add	8.25
	For Up To 500, Add	14.92

31 25 14 26 Stabilization Measures for Sedimentation Control (31 25 14)

31 25 14 26-0001	Silt Fences And Dike Barriers (31 25 14 26)	
Note: Includes stakes and embedding.		
31 25 14 26-0002	Silt Fences 2' High (31 25 14 26-0001)	
See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0003	LF 2' High Silt Fence with Stakes at 4' On Center	5.05
31 25 14 26-0004	LF 2' High Silt Fence with Stakes at 6' On Center	3.90
31 25 14 26-0005	LF 2' High Silt Fence with Stakes at 8' On Center	2.73
31 25 14 26-0006	LF 2' High Silt Fence with Stakes at 10' On Center	2.32

31 25 14 26-0007	Silt Fences 3' High (31 25 14 26-0001)	
See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0008	LF 3' High Silt Fence with Stakes at 4' On Center	5.98
31 25 14 26-0009	LF 3' High Silt Fence with Stakes at 6' On Center	4.63
31 25 14 26-0010	LF 3' High Silt Fence with Stakes at 8' On Center	3.22
31 25 14 26-0011	LF 3' High Silt Fence with Stakes at 10' On Center	2.63

31 25 14 26-0012	Silt Dike Barrier (31 25 14 26-0001)	
31 25 14 26-0013	LF Silt Dike Barrier With Stakes	3.95

31 25 14 26-0014	Silt Fences Removal (31 25 14 26-0001)	
31 25 14 26-0015	LF Removal Of Silt Fence And Stakes	0.92

31 25 14 26-0016	Hay And Straw Bales (31 25 14 26)	
Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF Place Sterilized Straw Bales	5.27
Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of straw bale.		
31 25 14 26-0018	LF Place Hay Bales	4.87
Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0019 for removal of hay bale.		
31 25 14 26-0019	LF Removal Of Hay Or Straw Bales	1.65
Note: Includes removal of stakes.		

31 25 14 26-0020	Sediment Logs (Degradable) (31 25 14 26)	
31 25 14 26-0021	Sediment Logs (Degradable) (31 25 14 26-0020)	
Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0022	LF 9" Sediment Fiber Roll Log	6.11
31 25 14 26-0023	LF 12" Sediment Fiber Roll Log	7.04
31 25 14 26-0024	LF 20" Sediment Fiber Roll Log	10.66

31	31	Earthwork
	31 20	Earth Moving
	31 25	Erosion and Sedimentation Controls



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 25 14 26-0025			Wattles (Degradable) With UV Stabilized Synthetic Netting (31 25 14 26-0020) Note: Includes trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0026	EA		Wattles (Sterile Straw Filled Rolls), 8" x 25'	120.67	
31 25 14 26-0027	EA		Wattles (Sterile Straw Filled Rolls), 9" x 25'	125.93	
31 25 14 26-0028	EA		Wattles (Sterile Straw Filled Rolls), 12" x 20'	132.00	
31 25 14 26-0029	EA		Wattles (Sterile Straw Filled Rolls), 20" x 10'	136.86	
31 25 14 26-0030			Inlet Protection Sediment Bags (31 25 14 26) Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0031	EA		2' x 2' x 3' Inlet Protection Sediment Bag	68.95	
31 25 14 26-0032	EA		2' x 3' x 3' Inlet Protection Sediment Bag	80.17	
31 25 14 26-0033	EA		2' x 4' x 3' Inlet Protection Sediment Bag	87.88	
31 25 14 26-0034			Clean Sediment Logs/Wattles (31 25 14 26) Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0035	EA		Clean Sediment Logs/Wattles	92.38	

31 30 Earthwork Methods (31)

31 31 Soil Treatment (31 30)

31 31 16 Termite Control (31 31)

31 31 16 13 Chemical Termite Control (31 31 16)

31 31 16 13-0001 Commercial Use (31 31 16 13)

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.96	
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	1.37	

31 31 16 13-0004 Residential Use (31 31 16 13)

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	1.43	
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	1.57	

31 31 19 Vegetation Control (31 31)

31 31 19 13 Chemical Vegetation Control (31 31 19)

31 31 19 13-0001 Soil Sterilants (31 31 19 13)

31 31 19 13-0002	MSF	Soil Sterilant	33.95	
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
		For >45 To 90, Deduct	-0.50	
		For >90 To 225, Deduct	-2.70	
		For >225, Deduct	-3.70	

31 32 Soil Stabilization (31 30)

31 32 13 Soil Mixing Stabilization (31 32)

31 32 13 16 Cement Soil Stabilization (31 32 13)

31 32 13 16-0001 Cementitious Soil Binder (31 32 13 16)

31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	42.04	
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	48.28	
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	58.55	
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	68.66	

31 32 13 19 Lime Soil Stabilization (31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry (31 32 13 19)

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	37.35	
31 32 13 19-0003	TON	Cement Stabilized Base Material	121.65	
31 32 13 19-0004	CWT	Lime For Soil Stabilization	19.33	
		Note: Excludes the cost for spreading or backfilling		
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	19.27	
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	4.51	

31 32 13 19-0007 Lime Stabilized Subgrade (31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 Lb.	12.46	
		For 4% Lime Instead Of 5%, Deduct	-0.34	
		For 6% Lime Instead Of 5%, Add	0.34	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 Lb. <i>For 4% Lime Instead Of 5%, Deduct</i> <i>For 6% Lime Instead Of 5%, Add</i>	14.44 -0.40 0.40	
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 Lb. <i>For 4% Lime Instead Of 5%, Deduct</i> <i>For 6% Lime Instead Of 5%, Add</i>	16.48 -0.45 0.45	

31 32 13 29 Liquid Soil Stabilization (31 32 13)

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.90	
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31 32 19 Geosynthetic Soil Stabilization and Layer Separation (31 32)

31 32 19 13 Geogrid Soil Stabilization (31 32 19)

31 32 19 13-0001 Geogrid Fabrics (31 32 19 13)

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications. Includes stakes.

31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.43	
		<i>For Up To 50, Add</i>	1.20	
		<i>For >50 To 150, Add</i>	0.89	
		<i>For >150 To 250, Add</i>	0.58	
		<i>For >250 To 500, Add</i>	0.29	
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	6.20	
		<i>For Up To 50, Add</i>	1.36	
		<i>For >50 To 150, Add</i>	1.01	
		<i>For >150 To 250, Add</i>	0.66	
		<i>For >250 To 500, Add</i>	0.33	
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.77	
		<i>For Up To 50, Add</i>	1.48	
		<i>For >50 To 150, Add</i>	1.10	
		<i>For >150 To 250, Add</i>	0.72	
		<i>For >250 To 500, Add</i>	0.36	
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.74	
		<i>For Up To 50, Add</i>	2.08	
		<i>For >50 To 150, Add</i>	1.55	
		<i>For >150 To 250, Add</i>	1.02	
		<i>For >250 To 500, Add</i>	0.51	
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	11.15	
		<i>For Up To 50, Add</i>	2.37	
		<i>For >50 To 150, Add</i>	1.76	
		<i>For >150 To 250, Add</i>	1.16	
		<i>For >250 To 500, Add</i>	0.58	
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.52	
		<i>For Up To 50, Add</i>	1.22	
		<i>For >50 To 150, Add</i>	0.90	
		<i>For >150 To 250, Add</i>	0.59	
		<i>For >250 To 500, Add</i>	0.30	
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	8.14	
		<i>For Up To 50, Add</i>	1.75	
		<i>For >50 To 150, Add</i>	1.30	
		<i>For >150 To 250, Add</i>	0.85	
		<i>For >250 To 500, Add</i>	0.43	

31 32 19 16 Geotextile Soil Stabilization (31 32 19)

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)

Note: For drainage, filtration and separation. Includes stakes.

31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.69	
		<i>For Up To 50, Add</i>	0.38	
		<i>For >50 To 150, Add</i>	0.28	
		<i>For >150 To 250, Add</i>	0.18	
		<i>For >250 To 500, Add</i>	0.09	
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	1.81	
		<i>For Up To 50, Add</i>	0.41	
		<i>For >50 To 150, Add</i>	0.30	
		<i>For >150 To 250, Add</i>	0.20	
		<i>For >250 To 500, Add</i>	0.10	
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	1.96	
		<i>For Up To 50, Add</i>	0.44	
		<i>For >50 To 150, Add</i>	0.32	
		<i>For >150 To 250, Add</i>	0.21	
		<i>For >250 To 500, Add</i>	0.11	
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	2.11	
		<i>For Up To 50, Add</i>	0.47	
		<i>For >50 To 150, Add</i>	0.35	
		<i>For >150 To 250, Add</i>	0.23	
		<i>For >250 To 500, Add</i>	0.11	

31 Earthwork**31 30 Earthwork Methods****31 32 Soil Stabilization**
 MINOR
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 TOTAL DIRECT DEMOLITION
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31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.51
		For Up To 50, Add	0.55
		For >50 To 150, Add	0.41
		For >150 To 250, Add	0.27
		For >250 To 500, Add	0.13
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	2.93
		For Up To 50, Add	0.64
		For >50 To 150, Add	0.48
		For >150 To 250, Add	0.31
		For >250 To 500, Add	0.16
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	3.23
		For Up To 50, Add	0.70
		For >50 To 150, Add	0.52
		For >150 To 250, Add	0.34
		For >250 To 500, Add	0.17
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	3.99
		For Up To 50, Add	0.85
		For >50 To 150, Add	0.63
		For >150 To 250, Add	0.42
		For >250 To 500, Add	0.21

31 32 19 16-0010 Woven Geotextiles Fabric (31 32 19 16)

Note: Includes stakes.

31 32 19 16-0011	SY	200 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.45
		For Up To 50, Add	0.54
		For >50 To 150, Add	0.40
		For >150 To 250, Add	0.26
		For >250 To 500, Add	0.13
31 32 19 16-0012	SY	315 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	3.44
		For Up To 50, Add	0.73
		For >50 To 150, Add	0.55
		For >150 To 250, Add	0.36
		For >250 To 500, Add	0.18
31 32 19 16-0013	SY	4 To 6% Open Area, 370 x 250 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	6.07
		For Up To 50, Add	1.27
		For >50 To 150, Add	0.95
		For >150 To 250, Add	0.63
		For >250 To 500, Add	0.31
31 32 19 16-0014	SY	11 To 15% Open Area, 370 x 220 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	5.92
		For Up To 50, Add	1.24
		For >50 To 150, Add	0.92
		For >150 To 250, Add	0.61
		For >250 To 500, Add	0.31
31 32 19 16-0015	SY	6.9 Oz/SY, 250 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	5.17
		For Up To 50, Add	1.09
		For >50 To 150, Add	0.81
		For >150 To 250, Add	0.54
		For >250 To 500, Add	0.27
31 32 19 16-0016	SY	9.1 Oz/SY, 333 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	5.53
		For Up To 50, Add	1.16
		For >50 To 150, Add	0.87
		For >150 To 250, Add	0.57
		For >250 To 500, Add	0.29
31 32 19 16-0017	SY	12.1 Oz/SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	7.07
		For Up To 50, Add	1.47
		For >50 To 150, Add	1.10
		For >150 To 250, Add	0.73
		For >250 To 500, Add	0.36
31 32 19 16-0018	SY	12.1 Oz/SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	10.09
		For Up To 50, Add	2.07
		For >50 To 150, Add	1.55
		For >150 To 250, Add	1.03
		For >250 To 500, Add	0.51

31 32 19 16-0019 Geomembranes (31 32 19 16)

Note: Includes stakes.

31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane (31 32 19 16-0019)

31 32 19 16-0021	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.49
31 32 19 16-0022	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.71
31 32 19 16-0023	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.08
31 32 19 16-0024	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.50
31 32 19 16-0025	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.86
31 32 19 16-0026	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.13
31 32 19 16-0027	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.40
31 32 19 16-0028	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.75
31 32 19 16-0029	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	4.09

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 19 16-0030	High-Density Polyethylene (HDPE) Geomembrane (31 32 19 16-0019)	
31 32 19 16-0031 SF	20 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.14
31 32 19 16-0032 SF	30 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.02
31 32 19 16-0033 SF	40 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.13
31 32 19 16-0034 SF	50 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.60
31 32 19 16-0035 SF	60 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.33
31 32 19 16-0036 SF	80 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.54
31 32 19 16-0037 SF	100 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	1.76
31 32 19 16-0038 SF	120 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	2.85
31 32 19 16-0039 SF	140 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics).....	2.94

31 32 19 26 Geoweb Cellular Confinement System (31 32 19)

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001	Geoweb Cellular Confinement System (31 32 19 26)	
	Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.	
31 32 19 26-0002 SF	4" Geoweb Cellular Confinement System (Presto Geosystems).....	7.83
	For >20,000, Deduct	-0.19
	For >2:1 Slope, Add	1.32
31 32 19 26-0003 SF	6" Geoweb Cellular Confinement System (Presto Geosystems).....	9.55
	For >20,000, Deduct	-0.28
	For >2:1 Slope, Add	1.32
31 32 19 26-0004 SF	8" Geoweb Cellular Confinement System (Presto Geosystems).....	11.60
	For >20,000, Deduct	-0.38
	For >2:1 Slope, Add	1.32

31 35 Slope Protection (31 30)

31 35 19 Geosynthetic Slope Protection (31 35)

31 35 19 19 Slope Protection with Mulch Control Netting (31 35 19)

Note: Includes stakes.

31 35 19 19-0001	Erosion Control Fabric (31 35 19 19)	
31 35 19 19-0002 SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocor 900).....	5.48

31 36 Gabions (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 36 13 Gabion Boxes (31 36)

31 36 13 00-0001 Stone Filled Gabion Slope Protection (31 36 13)

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002 SY	6" Deep Stone Filled Gabion Slope Protection	75.92
31 36 13 00-0003 SY	9" Deep Stone Filled Gabion Slope Protection	89.61
31 36 13 00-0004 SY	12" Deep Stone Filled Gabion Slope Protection	108.10
31 36 13 00-0005 SY	15" Deep Stone Filled Gabion Slope Protection	127.70
31 36 13 00-0006 SY	18" Deep Stone Filled Gabion Slope Protection	149.95
31 36 13 00-0007 SY	24" Deep Stone Filled Gabion Slope Protection	205.24
31 36 13 00-0008 SY	36" Deep Stone Filled Gabion Slope Protection	259.41

31 37 Riprap (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 37 13 Machined Riprap (31 37)

31 37 13 00-0001 Random - Filter Stone (31 37 13)

31 37 13 00-0002 CY	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	87.57
	For Chinking Material, Add	14.37
31 37 13 00-0003 CY	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	102.44
	For Chinking Material, Add	14.37
31 37 13 00-0004 CY	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	109.45
	For Chinking Material, Add	14.37
31 37 13 00-0005 CY	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	117.43
	For Chinking Material, Add	14.37
31 37 13 00-0006 CY	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	123.86
	For Chinking Material, Add	14.37
31 37 13 00-0007 CY	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	134.38
31 37 13 00-0008 CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap.....	152.09
31 37 13 00-0009 TON	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	57.62
31 37 13 00-0010 TON	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	67.06
31 37 13 00-0011 TON	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	71.51
31 37 13 00-0012 TON	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	76.57
31 37 13 00-0013 TON	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	80.66
31 37 13 00-0014 TON	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	87.41
31 37 13 00-0015 TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap.....	101.83

13	31	Earthwork
	31 40	Shoring and Underpinning
	31 37	Riprap



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 40 Shoring and Underpinning ⁽³¹⁾

31 41 Shoring ^(31 40)

31 41 13 Timber Shoring ^(31 41)

31 41 13 00-0001 Wood Sheet Piling ^(31 41 13)

31 41 13 00-0002 Pull And Salvage ^(31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	14.87
		For Wood Sheeting Left In Place	-1.21
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	16.09
		For Wood Sheeting Left In Place	-1.44
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	17.43
		For Wood Sheeting Left In Place	-1.68
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	18.86
		For Wood Sheeting Left In Place	-1.97
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	20.43
		For Wood Sheeting Left In Place	-2.27
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	22.12
		For Wood Sheeting Left In Place	-2.62
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	23.97
		For Wood Sheeting Left In Place	-2.99

31 41 16 Sheet Piling ^(31 41)

31 41 16 13 Steel Sheet Piling ^(31 41 16)

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage ^(31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,360.57
		For Standard Sheeting Left In Place, Add	1,257.47
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,209.68
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	107.55
		For High Strength Sheeting 55,000 PSI Grade, Add	119.50
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	370.44
		For Each Additional Month >3 Months, Add	59.75
31 41 16 13-0003	TON	Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	2,455.55
		For Standard Sheeting Left In Place, Add	1,209.98
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,162.19
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	107.55
		For High Strength Sheeting 55,000 PSI Grade, Add	119.50
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	370.44
		For Each Additional Month >3 Months, Add	59.75
31 41 16 13-0004	TON	Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,897.15
		For Standard Sheeting Left In Place, Add	989.18
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	941.39
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	107.55
		For High Strength Sheeting 55,000 PSI Grade, Add	119.50
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	370.44
		For Each Additional Month >3 Months, Add	59.75
31 41 16 13-0005	TON	Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,322.08
		For Standard Sheeting Left In Place, Add	776.72
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	728.92
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	107.55
		For High Strength Sheeting 55,000 PSI Grade, Add	119.50
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	370.44
		For Each Additional Month >3 Months, Add	59.75
31 41 16 13-0006	TON	Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,572.05
		For Standard Sheeting Left In Place, Add	651.73
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	603.94
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	107.55
		For High Strength Sheeting 55,000 PSI Grade, Add	119.50
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	370.44
		For Each Additional Month >3 Months, Add	59.75
31 41 16 13-0007	TON	Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,827.01
		For Standard Sheeting Left In Place, Add	524.25
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	476.46
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	107.55
		For High Strength Sheeting 55,000 PSI Grade, Add	119.50
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	370.44
		For Each Additional Month >3 Months, Add	59.75

31 43 Concrete Raising ^(31 40)

31 43 13 Pressure Grouting ^(31 43)

31 43 13 16 Polyurethane Pressure Grouting ^(31 43 13)

31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling ^(31 43 13 16)

31 43 13 16-0002	EA	Mobilization PolyLift™ Concrete Lifting And Leveling Minimum Charge	3,688.14
31 43 13 16-0003	LB	Up To 1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling	31.00

Note: Per pound of material.

			Earthwork	31	15
			Shoring and Underpinning	31 40	
			Concrete Raising	31 43	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 43 13 16-0004	LB	>1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling	25.97
Note: Per pound of material.			

31 45 Vibroflotation and Densification (31 40)

31 45 13 Vibroflotation (31 45)

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation.....	18.83
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31 48 Underpinning (31 40)

31 48 33 Micropile Underpinning (31 48)

31 48 33 00-0001 Augered Micropile And Grout System (31 48 33)

31 48 33 00-0002	EA	Micropile Mobilization Per Job	2,647.43
31 48 33 00-0003	EA	Relocate And Set-up Micropile Equipment At New Pile Cap Location.....	661.86
31 48 33 00-0004	VLF	Auger 8" Diameter Hole, Insert GEWI Micropile And Grout Void.....	382.17
Note: Includes GEWI piles, thread bar extensions, couplers, spacers, top nut and steel bearing plate.			
31 48 33 00-0005	VLF	Auger 8" Diameter Hole, Insert GEWI Micropile And Grout Void - Indoor.....	464.91
Note: Includes GEWI piles, thread bar extensions, couplers, spacers, top nut and steel bearing plate.			
31 48 33 00-0006	EA	Pile Load Test.....	3,309.28

31 60 Special Foundations and Load-bearing Elements (31)

31 62 Driven Piles (31 60)

31 62 13 Concrete Piles (31 62)

31 62 13 23 Prestressed Concrete Piles (31 62 13)

31 62 13 23-0001 Square Prestressed Driven Concrete Piles (31 62 13 23)

31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	37.10
For Piles Driven In Water, Add			17.98
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	46.56
For Piles Driven In Water, Add			20.26
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	56.44
For Piles Driven In Water, Add			22.29
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	69.15
For Piles Driven In Water, Add			24.74
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	83.95
For Piles Driven In Water, Add			27.59
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	97.12
For Piles Driven In Water, Add			30.51
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	123.89
For Piles Driven In Water, Add			35.08

31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles (31 62 13 23)

31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	41.68
For Piles Driven In Water, Add			18.85
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	51.16
For Piles Driven In Water, Add			20.72
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	60.77
For Piles Driven In Water, Add			22.72
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	72.66
For Piles Driven In Water, Add			25.10
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	77.34
For Piles Driven In Water, Add			26.93
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	82.30
For Piles Driven In Water, Add			29.03

31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles (31 62 13 23)

31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	59.85
For Piles Driven In Water, Add			19.85
31 62 13 23-0018	VLF	14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	70.90
For Piles Driven In Water, Add			21.77
31 62 13 23-0019	VLF	16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile	84.00
For Piles Driven In Water, Add			24.01
31 62 13 23-0020	VLF	18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	95.03
For Piles Driven In Water, Add			26.14
31 62 13 23-0021	VLF	20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile	119.39
For Piles Driven In Water, Add			29.77
31 62 13 23-0022	VLF	24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile	147.52
For Piles Driven In Water, Add			33.95

31 62 16 Steel Piles (31 62)

31 62 16 16 Steel H Piles (31 62 16)

31 62 16 16-0001 Rolled, Driven Steel H Piles (31 62 16 16)

31 62 16 16-0002	VLF	8" x 8" x 36 Lb./FT, Rolled, Driven Steel H Pile	37.19
For Piles Driven In Water, Add			19.33

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 62 16 16-0003	VLF	10" x 10" x 42 Lb./FT, Rolled, Driven Steel H Pile	41.35	
		<i>For Piles Driven In Water, Add</i>	20.51	
31 62 16 16-0004	VLF	10" x 10" x 57 Lb./FT, Rolled, Driven Steel H Pile	49.62	
		<i>For Piles Driven In Water, Add</i>	21.33	
31 62 16 16-0005	VLF	12" x 12" x 53 Lb./FT, Rolled, Driven Steel H Pile	47.96	
		<i>For Piles Driven In Water, Add</i>	21.65	
31 62 16 16-0006	VLF	12" x 12" x 63 Lb./FT, Rolled, Driven Steel H Pile	53.47	
		<i>For Piles Driven In Water, Add</i>	22.20	
31 62 16 16-0007	VLF	12" x 12" x 74 Lb./FT, Rolled, Driven Steel H Pile	61.11	
		<i>For Piles Driven In Water, Add</i>	24.38	
31 62 16 16-0008	VLF	12" x 12" x 84 Lb./FT, Rolled, Driven Steel H Pile	66.62	
		<i>For Piles Driven In Water, Add</i>	24.93	
31 62 16 16-0009	VLF	14" x 14" x 73 Lb./FT, Rolled, Driven Steel H Pile	61.06	
		<i>For Piles Driven In Water, Add</i>	24.83	
31 62 16 16-0010	VLF	14" x 14" x 89 Lb./FT, Rolled, Driven Steel H Pile	70.43	
		<i>For Piles Driven In Water, Add</i>	25.76	
31 62 16 16-0011	VLF	14" x 14" x 102 Lb./FT, Rolled, Driven Steel H Pile	78.78	
		<i>For Piles Driven In Water, Add</i>	28.16	
31 62 16 16-0012	VLF	14" x 14" x 117 Lb./FT, Rolled, Driven Steel H Pile	87.60	
		<i>For Piles Driven In Water, Add</i>	29.04	

31 62 16 16-0013 Splices, Caps, And Points For H-Piles (31 62 16 16)**31 62 16 16-0014 Rolled Steel H Pile Splices (31 62 16 16-0013)**

31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	327.94	
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	367.11	
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	503.70	
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	523.28	

31 62 16 16-0019 Rolled Steel H Driving Caps (31 62 16 16-0013)

31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	3,258.45	
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	3,258.45	
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	3,319.86	
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	4,984.62	

31 62 16 16-0024 Rolled Steel H Standard Pile Points (31 62 16 16-0013)

31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	347.53	
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	367.11	
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	503.70	
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	562.45	
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	503.70	
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	600.39	

31 62 16 19 Unfilled Tubular Steel Piles (31 62 16)**31 62 16 19-0001 Unfilled Tubular Driven Steel Piles (31 62 16 19)**

31 62 16 19-0002	VLF	8" Diameter x 29 Lb./FT, Unfilled Tubular Driven Steel Pile	58.36	
		<i>For Piles Driven In Water, Add</i>	25.81	
31 62 16 19-0003	VLF	8" Diameter x 36 Lb./FT, Unfilled Tubular Driven Steel Pile	67.40	
		<i>For Piles Driven In Water, Add</i>	26.71	
31 62 16 19-0004	VLF	8" Diameter x 43 Lb./FT, Unfilled Tubular Driven Steel Pile	77.16	
		<i>For Piles Driven In Water, Add</i>	27.69	
31 62 16 19-0005	VLF	10" Diameter x 34 Lb./FT, Unfilled Tubular Driven Steel Pile	67.40	
		<i>For Piles Driven In Water, Add</i>	26.71	
31 62 16 19-0006	VLF	10" Diameter x 41 Lb./FT, Unfilled Tubular Driven Steel Pile	75.99	
		<i>For Piles Driven In Water, Add</i>	27.57	
31 62 16 19-0007	VLF	10" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	94.97	
		<i>For Piles Driven In Water, Add</i>	29.47	
31 62 16 19-0008	VLF	12" Diameter x 42 Lb./FT, Unfilled Tubular Driven Steel Pile	79.22	
		<i>For Piles Driven In Water, Add</i>	28.95	
31 62 16 19-0009	VLF	12" Diameter x 50 Lb./FT, Unfilled Tubular Driven Steel Pile	89.27	
		<i>For Piles Driven In Water, Add</i>	29.95	
31 62 16 19-0010	VLF	12" Diameter x 54 Lb./FT, Unfilled Tubular Driven Steel Pile	94.86	
		<i>For Piles Driven In Water, Add</i>	30.51	
31 62 16 19-0011	VLF	12" Diameter x 65 Lb./FT, Unfilled Tubular Driven Steel Pile	110.50	
		<i>For Piles Driven In Water, Add</i>	32.07	
31 62 16 19-0012	VLF	14" Diameter x 46 Lb./FT, Unfilled Tubular Driven Steel Pile	85.67	
		<i>For Piles Driven In Water, Add</i>	31.79	
31 62 16 19-0013	VLF	14" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	97.05	
		<i>For Piles Driven In Water, Add</i>	32.93	
31 62 16 19-0014	VLF	14" Diameter x 64 Lb./FT, Unfilled Tubular Driven Steel Pile	108.43	
		<i>For Piles Driven In Water, Add</i>	34.06	
31 62 16 19-0015	VLF	14" Diameter x 72 Lb./FT, Unfilled Tubular Driven Steel Pile	119.80	
		<i>For Piles Driven In Water, Add</i>	35.20	
31 62 16 19-0016	VLF	16" Diameter x 52 Lb./FT, Unfilled Tubular Driven Steel Pile	95.31	
		<i>For Piles Driven In Water, Add</i>	35.46	
31 62 16 19-0017	VLF	16" Diameter x 63 Lb./FT, Unfilled Tubular Driven Steel Pile	108.62	
		<i>For Piles Driven In Water, Add</i>	36.79	
31 62 16 19-0018	VLF	16" Diameter x 83 Lb./FT, Unfilled Tubular Driven Steel Pile	134.55	
		<i>For Piles Driven In Water, Add</i>	39.38	
31 62 16 19-0019	VLF	18" Diameter x 59 Lb./FT, Unfilled Tubular Driven Steel Pile	117.65	
		<i>For Piles Driven In Water, Add</i>	39.89	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0020	VLF	18" Diameter x 71 Lb./FT, Unfilled Tubular Driven Steel Pile	134.92	
		<i>For Piles Driven In Water, Add</i>	41.62	
31 62 16 19-0021	VLF	18" Diameter x 93 Lb./FT, Unfilled Tubular Driven Steel Pile	167.75	
		<i>For Piles Driven In Water, Add</i>	44.90	
31 62 16 19-0022		Splices And Points For Pipe Piles (31 62 16 19)		
31 62 16 19-0023		Steel Pipe Pile Splices (31 62 16 19-0022)		
31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice	371.53	
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice	409.86	
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice	522.79	
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice	560.59	
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice	692.43	
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice	850.69	
31 62 16 19-0030		Steel Pipe Standard Pile Points (31 62 16 19-0022)		
31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point	348.39	
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point	379.08	
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point	433.77	
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point	518.18	
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point	594.92	
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point	682.30	
31 62 16 19-0037		Steel Pipe Heavy-Duty Pile Points (31 62 16 19-0022)		
31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy-Duty Pile Point	498.51	
31 62 16 19-0039	EA	12" Diameter, Steel Pipe Heavy-Duty Pile Point	536.88	
31 62 16 19-0040	EA	14" Diameter, Steel Pipe Heavy-Duty Pile Point	608.64	
31 62 16 19-0041	EA	16" Diameter, Steel Pipe Heavy-Duty Pile Point	762.11	
31 62 16 19-0042	EA	18" Diameter, Steel Pipe Heavy-Duty Pile Point	882.44	
31 62 19		Timber Piles (31 62)		
31 62 19 00-0001		Friction Or End Bearing, Driven Treated Wood Piles (31 62 19)		
		Note: 12 LB Penta-treated/CF.		
31 62 19 00-0002	LF	Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	36.91	
		<i>For Piles Driven In Water, Add</i>	17.56	
		<i>For Untreated Pile, Deduct</i>	-7.96	
		<i>For Each Pile Tip Point, Add</i>	12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
		<i>For Each Splice For Pile >50', Add</i>	139.40	
31 62 19 00-0003	LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	39.08	
		<i>For Piles Driven In Water, Add</i>	19.51	
		<i>For Untreated Pile, Deduct</i>	-8.04	
		<i>For Each Pile Tip Point, Add</i>	12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
		<i>For Each Splice For Pile >50', Add</i>	139.40	
31 62 19 00-0004	LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	41.22	
		<i>For Piles Driven In Water, Add</i>	20.76	
		<i>For Untreated Pile, Deduct</i>	-8.41	
		<i>For Each Pile Tip Point, Add</i>	12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
		<i>For Each Splice For Pile >50', Add</i>	139.40	
31 62 19 00-0005	LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	44.54	
		<i>For Piles Driven In Water, Add</i>	23.17	
		<i>For Untreated Pile, Deduct</i>	-8.78	
		<i>For Each Pile Tip Point, Add</i>	12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
		<i>For Each Splice For Pile >50', Add</i>	139.40	
31 62 19 00-0006	LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	54.89	
		<i>For Piles Driven In Water, Add</i>	26.29	
		<i>For Untreated Pile, Deduct</i>	-11.76	
		<i>For Each Pile Tip Point, Add</i>	12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
		<i>For Each Splice For Pile >50', Add</i>	139.40	
31 62 19 00-0007	LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	68.37	
		<i>For Piles Driven In Water, Add</i>	31.79	
		<i>For Untreated Pile, Deduct</i>	-15.04	
		<i>For Each Pile Tip Point, Add</i>	12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>	20.10	
		<i>For Each Splice For Pile >50', Add</i>	139.40	
31 62 23		Composite Piles (31 62)		
31 62 23 13		Concrete-Filled Steel Piles (31 62 23)		
31 62 23 13-0001		Concrete-Filled Driven Steel Pipe Piles (31 62 23 13)		
		Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.		
31 62 23 13-0002	VLF	8" Diameter x 29 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	62.59	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	6.95	
		<i>For Piles Driven In Water, Add</i>	27.97	
31 62 23 13-0003	VLF	8" Diameter x 36 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	71.63	
		<i>For 5,000 PSI Concrete Grout Fill, Add</i>	7.85	
		<i>For Piles Driven In Water, Add</i>	28.87	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

31 62 23 13-0004	VLF 8" Diameter x 43 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	81.39
	For 5,000 PSI Concrete Grout Fill, Add	8.83
	For Piles Driven In Water, Add	29.85
31 62 23 13-0005	VLF 10" Diameter x 34 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	73.52
	For 5,000 PSI Concrete Grout Fill, Add	9.72
	For Piles Driven In Water, Add	29.54
31 62 23 13-0006	VLF 10" Diameter x 41 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	82.11
	For 5,000 PSI Concrete Grout Fill, Add	10.58
	For Piles Driven In Water, Add	30.40
31 62 23 13-0007	VLF 10" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	101.09
	For 5,000 PSI Concrete Grout Fill, Add	12.47
	For Piles Driven In Water, Add	32.29
31 62 23 13-0008	VLF 12" Diameter x 42 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	87.81
	For 5,000 PSI Concrete Grout Fill, Add	13.07
	For Piles Driven In Water, Add	32.84
31 62 23 13-0009	VLF 12" Diameter x 50 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	97.87
	For 5,000 PSI Concrete Grout Fill, Add	14.07
	For Piles Driven In Water, Add	33.84
31 62 23 13-0010	VLF 12" Diameter x 54 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	103.45
	For 5,000 PSI Concrete Grout Fill, Add	14.63
	For Piles Driven In Water, Add	34.40
31 62 23 13-0011	VLF 12" Diameter x 65 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	119.09
	For 5,000 PSI Concrete Grout Fill, Add	16.20
	For Piles Driven In Water, Add	35.97
31 62 23 13-0012	VLF 14" Diameter x 46 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	97.36
	For 5,000 PSI Concrete Grout Fill, Add	16.08
	For Piles Driven In Water, Add	37.86
31 62 23 13-0013	VLF 14" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	108.74
	For 5,000 PSI Concrete Grout Fill, Add	17.22
	For Piles Driven In Water, Add	39.00
31 62 23 13-0014	VLF 14" Diameter x 64 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	120.11
	For 5,000 PSI Concrete Grout Fill, Add	18.36
	For Piles Driven In Water, Add	40.14
31 62 23 13-0015	VLF 14" Diameter x 72 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	131.49
	For 5,000 PSI Concrete Grout Fill, Add	19.49
	For Piles Driven In Water, Add	41.27
31 62 23 13-0016	VLF 16" Diameter x 52 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	107.86
	For 5,000 PSI Concrete Grout Fill, Add	19.84
	For Piles Driven In Water, Add	40.59
31 62 23 13-0017	VLF 16" Diameter x 63 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	121.16
	For 5,000 PSI Concrete Grout Fill, Add	21.17
	For Piles Driven In Water, Add	41.92
31 62 23 13-0018	VLF 16" Diameter x 83 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	147.10
	For 5,000 PSI Concrete Grout Fill, Add	23.77
	For Piles Driven In Water, Add	44.52
31 62 23 13-0019	VLF 18" Diameter x 59 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	132.71
	For 5,000 PSI Concrete Grout Fill, Add	25.38
	For Piles Driven In Water, Add	45.48
31 62 23 13-0020	VLF 18" Diameter x 71 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	149.99
	For 5,000 PSI Concrete Grout Fill, Add	27.11
	For Piles Driven In Water, Add	47.21
31 62 23 13-0021	VLF 18" Diameter x 93 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	182.82
	For 5,000 PSI Concrete Grout Fill, Add	30.39
	For Piles Driven In Water, Add	50.49

31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles (31 62 23 13)

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0023	VLF 12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	80.75
	For Piles Driven In Water, Add	24.72
31 62 23 13-0024	VLF 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	98.00
	For Piles Driven In Water, Add	27.63
31 62 23 13-0025	VLF 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	110.93
	For Piles Driven In Water, Add	30.29
31 62 23 13-0026	VLF 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	120.68
	For Piles Driven In Water, Add	32.87

31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles (31 62 23 13)

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0028	VLF 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	79.22
	For Piles Driven In Water, Add	24.56
31 62 23 13-0029	VLF 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	81.31
	For Piles Driven In Water, Add	25.96
31 62 23 13-0030	VLF 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	99.23
	For Piles Driven In Water, Add	29.12
31 62 23 13-0031	VLF 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	114.49
	For Piles Driven In Water, Add	32.25

31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles (31 62 23 13)

31 62 23 13-0033	VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	47.59
	For Piles Driven In Water, Add	18.80
	For Thick Wall Shell, Add	0.08
31 62 23 13-0034	VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	52.55
	For Piles Driven In Water, Add	20.86
	For Thick Wall Shell, Add	0.09

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0035	VLF	12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	57.43	
		For Piles Driven In Water, Add	22.90	
		For Thick Wall Shell, Add	0.10	
31 62 23 13-0036	VLF	14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	62.39	
		For Piles Driven In Water, Add	24.96	
		For Thick Wall Shell, Add	0.10	
31 62 23 13-0037	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	67.34	
		For Piles Driven In Water, Add	27.02	
		For Thick Wall Shell, Add	0.11	

31 63 Bored Piles (31 60)

31 63 36 Drilled Steel Piles (31 63)

31 63 36 00-0001	Drill Hole (31 63 36)			
		Note: Excludes removal of excess material.		
31 63 36 00-0002	Drilling Mobilization (31 63 36 00-0001)			
31 63 36 00-0003	EA	>12" To 24" Diameter Hole, Drilling Mobilization	992.79	
31 63 36 00-0004	EA	>24" Diameter Hole, Drilling Mobilization.....	1,323.71	

31 63 36 00-0005	Drill Hole In Soil (31 63 36 00-0001)			
31 63 36 00-0006	LF	18" Diameter, Up To 24' Depth, Drilled/Augered Hole	57.10	
31 63 36 00-0007	LF	20" Diameter, Up To 24' Depth, Drilled/Augered Hole	66.40	
31 63 36 00-0008	LF	22" Diameter, Up To 24' Depth, Drilled/Augered Hole	78.02	
31 63 36 00-0009	LF	24" Diameter, Up To 24' Depth, Drilled/Augered Hole	91.96	
31 63 36 00-0010	LF	26" Diameter, Up To 24' Depth, Drilled/Augered Hole	99.39	
31 63 36 00-0011	LF	28" Diameter, Up To 24' Depth, Drilled/Augered Hole	109.36	
31 63 36 00-0012	LF	30" Diameter, Up To 24' Depth, Drilled/Augered Hole	119.78	

31 63 36 00-0013	Steel H Piles (31 63 36)			
31 63 36 00-0014	Placed In Drilled Hole, Rolled Steel H-Section Piles (31 63 36 00-0013)			
		Note: Includes guides, bracing and alignment.		
31 63 36 00-0015	VLF	8" x 8" x 36 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	33.52	
		For >2,400 To 3,600, Deduct	-1.18	
		For >3,600 To 4,800, Deduct	-2.36	
		For >4,800 To 6,000, Deduct	-4.04	
		For >6,000, Deduct	-5.71	
31 63 36 00-0016	VLF	10" x 10" x 42 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	37.51	
		For >2,400 To 3,600, Deduct	-1.30	
		For >3,600 To 4,800, Deduct	-2.59	
		For >4,800 To 6,000, Deduct	-4.47	
		For >6,000, Deduct	-6.34	
31 63 36 00-0017	VLF	10" x 10" x 57 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	45.78	
		For >2,400 To 3,600, Deduct	-1.50	
		For >3,600 To 4,800, Deduct	-3.01	
		For >4,800 To 6,000, Deduct	-5.30	
		For >6,000, Deduct	-7.58	
31 63 36 00-0018	VLF	12" x 12" x 53 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	44.00	
		For >2,400 To 3,600, Deduct	-1.47	
		For >3,600 To 4,800, Deduct	-2.94	
		For >4,800 To 6,000, Deduct	-5.14	
		For >6,000, Deduct	-7.34	
31 63 36 00-0019	VLF	12" x 12" x 63 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	49.51	
		For >2,400 To 3,600, Deduct	-1.61	
		For >3,600 To 4,800, Deduct	-3.21	
		For >4,800 To 6,000, Deduct	-5.69	
		For >6,000, Deduct	-8.17	
31 63 36 00-0020	VLF	12" x 12" x 74 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	56.82	
		For >2,400 To 3,600, Deduct	-1.82	
		For >3,600 To 4,800, Deduct	-3.64	
		For >4,800 To 6,000, Deduct	-6.48	
		For >6,000, Deduct	-9.32	
31 63 36 00-0021	VLF	12" x 12" x 84 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	62.33	
		For >2,400 To 3,600, Deduct	-1.96	
		For >3,600 To 4,800, Deduct	-3.92	
		For >4,800 To 6,000, Deduct	-7.03	
		For >6,000, Deduct	-10.15	
31 63 36 00-0022	VLF	14" x 14" x 73 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	56.67	
		For >2,400 To 3,600, Deduct	-1.83	
		For >3,600 To 4,800, Deduct	-3.65	
		For >4,800 To 6,000, Deduct	-6.49	
		For >6,000, Deduct	-9.32	
31 63 36 00-0023	VLF	14" x 14" x 89 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	66.04	
		For >2,400 To 3,600, Deduct	-2.06	
		For >3,600 To 4,800, Deduct	-4.12	
		For >4,800 To 6,000, Deduct	-7.42	
		For >6,000, Deduct	-10.73	
31 63 36 00-0024	VLF	14" x 14" x 102 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	74.02	
		For >2,400 To 3,600, Deduct	-2.29	
		For >3,600 To 4,800, Deduct	-4.59	
		For >4,800 To 6,000, Deduct	-8.29	
		For >6,000, Deduct	-11.99	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 63 Bored Piles**
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 TOTAL DIRECT DEMOLITION
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31 63 36 00-0025	VLF 14" x 14" x 117 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	82.84
	For >2,400 To 3,600, Deduct	-2.52
	For >3,600 To 4,800, Deduct	-5.03
	For >4,800 To 6,000, Deduct	-9.17
	For >6,000, Deduct	-13.31

31 63 36 00-0026 Welded Steel Stud Pins (31 63 36 00-0013)

Note: Includes welding to steel piles.

31 63 36 00-0027	EA 5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	14.20
	For >50 To 150, Deduct	-0.64
	For >150 To 250, Deduct	-1.31
	For >250 To 500, Deduct	-1.98
	For >500, Deduct	-2.65
31 63 36 00-0028	EA 5/8" Diameter x 5" Long, Welded Steel Stud Pins	15.73
	For >50 To 150, Deduct	-0.64
	For >150 To 250, Deduct	-1.35
	For >250 To 500, Deduct	-2.06
	For >500, Deduct	-2.77
31 63 36 00-0029	EA 5/8" Diameter x 7" Long, Welded Steel Stud Pins	17.20
	For >50 To 150, Deduct	-0.64
	For >150 To 250, Deduct	-1.38
	For >250 To 500, Deduct	-2.13
	For >500, Deduct	-2.88
31 63 36 00-0030	EA 3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins	15.75
	For >50 To 150, Deduct	-0.67
	For >150 To 250, Deduct	-1.40
	For >250 To 500, Deduct	-2.12
	For >500, Deduct	-2.85
31 63 36 00-0031	EA 3/4" Diameter x 5" Long, Welded Steel Stud Pins	18.06
	For >50 To 150, Deduct	-0.67
	For >150 To 250, Deduct	-1.45
	For >250 To 500, Deduct	-2.24
	For >500, Deduct	-3.02
31 63 36 00-0032	EA 3/4" Diameter x 7" Long, Welded Steel Stud Pins	19.68
	For >50 To 150, Deduct	-0.67
	For >150 To 250, Deduct	-1.49
	For >250 To 500, Deduct	-2.32
	For >500, Deduct	-3.14
31 63 36 00-0033	EA 7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	17.67
	For >50 To 150, Deduct	-0.70
	For >150 To 250, Deduct	-1.49
	For >250 To 500, Deduct	-2.27
	For >500, Deduct	-3.06
31 63 36 00-0034	EA 7/8" Diameter x 5" Long, Welded Steel Stud Pins	21.44
	For >50 To 150, Deduct	-0.70
	For >150 To 250, Deduct	-1.58
	For >250 To 500, Deduct	-2.46
	For >500, Deduct	-3.35
31 63 36 00-0035	EA 7/8" Diameter x 7" Long, Welded Steel Stud Pins	23.28
	For >50 To 150, Deduct	-0.70
	For >150 To 250, Deduct	-1.63
	For >250 To 500, Deduct	-2.56
	For >500, Deduct	-3.48

31 63 36 00-0036 Concrete Fill (31 63 36)

See CSI section 03 37 16 00-0001 for pumping equipment.

31 63 36 00-0037	VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile	47.04
31 63 36 00-0038	VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile	52.26
31 63 36 00-0039	VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile	57.49
31 63 36 00-0040	VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile	62.71
31 63 36 00-0041	VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile	67.94
31 63 36 00-0042	VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile	73.16
31 63 36 00-0043	VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile	85.88

31 64 Caissons (31 60)**31 64 13 Box Caissons** (31 64)**31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water** (31 64 13)

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground (31 64 13 00-0001)

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003	VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water	60.44
	Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	
	For >50' To 100' Deep, Add	5.87
	For >100' To 150' Deep, Add	15.11
	For >150' To 200' Deep, Add	20.19
	For Right Angle Drilling, Add	16.02
31 64 13 00-0004	VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water	75.94
	Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	
	For >50' To 100' Deep, Add	8.07
	For >100' To 150' Deep, Add	18.99
	For >150' To 200' Deep, Add	26.23
	For Right Angle Drilling, Add	17.96

			Earthwork	31	
			Special Foundations and Load-bearing Elements	31 60	CS
			Caissons	31 64	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
31 64 13 00-0005	VLF	30" Diameter Caisson, No Casing Stable Ground, No Ground Water 107.34 Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF. For >50' To 100' Deep, Add 11.91 For >100' To 150' Deep, Add 26.84 For >150' To 200' Deep, Add 37.69 For Right Angle Drilling, Add 23.84			
31 64 13 00-0006	VLF	36" Diameter Caisson, No Casing Stable Ground, No Ground Water 141.94 Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF. For >50' To 100' Deep, Add 16.25 For >100' To 150' Deep, Add 35.49 For >150' To 200' Deep, Add 50.48 For Right Angle Drilling, Add 29.94			
31 64 13 00-0007	VLF	42" Diameter Caisson, No Casing Stable Ground, No Ground Water 181.63 Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF. For >50' To 100' Deep, Add 21.55 For >100' To 150' Deep, Add 45.41 For >150' To 200' Deep, Add 65.53 For Right Angle Drilling, Add 35.97			
31 64 13 00-0008	VLF	48" Diameter Caisson No Casing Stable Ground, No Ground Water 218.60 Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF. For >50' To 100' Deep, Add 26.41 For >100' To 150' Deep, Add 54.65 For >150' To 200' Deep, Add 79.46 For Right Angle Drilling, Add 41.81			
31 64 13 00-0009	VLF	54" Diameter Caisson No Casing Stable Ground, No Ground Water 263.52 Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF. For >50' To 100' Deep, Add 32.79 For >100' To 150' Deep, Add 65.88 For >150' To 200' Deep, Add 96.99 For Right Angle Drilling, Add 47.40			
31 64 13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water 309.41 Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF. For >50' To 100' Deep, Add 39.32 For >100' To 150' Deep, Add 77.35 For >150' To 200' Deep, Add 114.90 For Right Angle Drilling, Add 53.10			
31 64 13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water 361.27 Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF. For >50' To 100' Deep, Add 46.66 For >100' To 150' Deep, Add 90.32 For >150' To 200' Deep, Add 135.09 For Right Angle Drilling, Add 59.67			
31 64 13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water 420.73 Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF. For >50' To 100' Deep, Add 55.13 For >100' To 150' Deep, Add 105.18 For >150' To 200' Deep, Add 158.32 For Right Angle Drilling, Add 67.00			
31 64 13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water 480.03 Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF. For >50' To 100' Deep, Add 63.74 For >100' To 150' Deep, Add 120.01 For >150' To 200' Deep, Add 181.68 For Right Angle Drilling, Add 73.82			
31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water 543.31 Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF. For >50' To 100' Deep, Add 72.99 For >100' To 150' Deep, Add 135.83 For >150' To 200' Deep, Add 206.69 For Right Angle Drilling, Add 80.92			
31 64 13 00-0015		For Bell Excavation And Concrete, Add (31 64 13 00-0001)			
31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY 465.81 For >50' To 100' Deep, Add 37.96 For >100' To 150' Deep, Add 116.45 For >150' To 200' Deep, Add 146.44			
31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY 1,637.53 For >50' To 100' Deep, Add 133.66 For >100' To 150' Deep, Add 409.38 For >150' To 200' Deep, Add 515.05			
31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY 2,477.32 For >50' To 100' Deep, Add 205.43 For >100' To 150' Deep, Add 619.33 For >150' To 200' Deep, Add 783.22			
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY 3,438.86 For >50' To 100' Deep, Add 285.73 For >100' To 150' Deep, Add 859.72 For >150' To 200' Deep, Add 1,087.92			
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY 4,665.48 For >50' To 100' Deep, Add 380.71 For >100' To 150' Deep, Add 1,166.37 For >150' To 200' Deep, Add 1,467.30			
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY 5,485.87 For >50' To 100' Deep, Add 447.46 For >100' To 150' Deep, Add 1,371.47 For >150' To 200' Deep, Add 1,725.07			
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY 9,303.69 For >50' To 100' Deep, Add 757.33 For >100' To 150' Deep, Add 2,325.92 For >150' To 200' Deep, Add 2,923.70			

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**
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 TOTAL DIRECT DEMOLITION
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31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY	13,453.85
		<i>For >50' To 100' Deep, Add</i>	1,106.33
		<i>For >100' To 150' Deep, Add</i>	3,363.46
		<i>For >150' To 200' Deep, Add</i>	4,241.86

31 64 13 00-0024 Caisson In Wet Ground, Casing Pulled (31 64 13)
 Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0025 Caisson In Wet Ground (31 64 13 00-0024)
 Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled.....	67.13
		Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	
		<i>For >50' To 100' Deep, Add</i>	6.33
		<i>For >100' To 150' Deep, Add</i>	16.78
		<i>For >150' To 200' Deep, Add</i>	22.18
		<i>For Right Angle Drilling, Add</i>	18.39
31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled.....	112.29
		Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	
		<i>For >50' To 100' Deep, Add</i>	10.62
		<i>For >100' To 150' Deep, Add</i>	28.07
		<i>For >150' To 200' Deep, Add</i>	37.14
		<i>For Right Angle Drilling, Add</i>	30.68
31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled.....	148.29
		Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	
		<i>For >50' To 100' Deep, Add</i>	14.77
		<i>For >100' To 150' Deep, Add</i>	37.07
		<i>For >150' To 200' Deep, Add</i>	49.98
		<i>For Right Angle Drilling, Add</i>	38.17
31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled.....	203.46
		Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	
		<i>For >50' To 100' Deep, Add</i>	20.56
		<i>For >100' To 150' Deep, Add</i>	50.87
		<i>For >150' To 200' Deep, Add</i>	68.94
		<i>For Right Angle Drilling, Add</i>	51.47
31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled.....	257.53
		Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.	
		<i>For >50' To 100' Deep, Add</i>	26.86
		<i>For >100' To 150' Deep, Add</i>	64.38
		<i>For >150' To 200' Deep, Add</i>	88.30
		<i>For Right Angle Drilling, Add</i>	62.54
31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled.....	308.59
		Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.	
		<i>For >50' To 100' Deep, Add</i>	32.71
		<i>For >100' To 150' Deep, Add</i>	77.15
		<i>For >150' To 200' Deep, Add</i>	106.46
		<i>For Right Angle Drilling, Add</i>	73.30
31 64 13 00-0032	VLF	54" Diameter Caisson Wet Ground, Casing Pulled.....	398.17
		Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.	
		<i>For >50' To 100' Deep, Add</i>	42.22
		<i>For >100' To 150' Deep, Add</i>	99.54
		<i>For >150' To 200' Deep, Add</i>	137.38
		<i>For Right Angle Drilling, Add</i>	94.53
31 64 13 00-0033	VLF	60" Diameter Caisson Wet Ground, Casing Pulled.....	487.53
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.	
		<i>For >50' To 100' Deep, Add</i>	51.79
		<i>For >100' To 150' Deep, Add</i>	121.88
		<i>For >150' To 200' Deep, Add</i>	168.34
		<i>For Right Angle Drilling, Add</i>	115.45
31 64 13 00-0034	VLF	66" Diameter Caisson Wet Ground, Casing Pulled.....	556.13
		Note: 0.87 CY Concrete per VLF, 113 Lb. rebar per VLF.	
		<i>For >50' To 100' Deep, Add</i>	60.30
		<i>For >100' To 150' Deep, Add</i>	139.03
		<i>For >150' To 200' Deep, Add</i>	193.55
		<i>For Right Angle Drilling, Add</i>	127.87
31 64 13 00-0035	VLF	72" Diameter Caisson Wet Ground, Casing Pulled.....	632.25
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.	
		<i>For >50' To 100' Deep, Add</i>	69.94
		<i>For >100' To 150' Deep, Add</i>	158.06
		<i>For >150' To 200' Deep, Add</i>	221.78
		<i>For Right Angle Drilling, Add</i>	141.04
31 64 13 00-0036	VLF	78" Diameter Caisson Wet Ground, Casing Pulled.....	719.12
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.	
		<i>For >50' To 100' Deep, Add</i>	80.48
		<i>For >100' To 150' Deep, Add</i>	179.78
		<i>For >150' To 200' Deep, Add</i>	253.41
		<i>For Right Angle Drilling, Add</i>	157.50
31 64 13 00-0037	VLF	84" Diameter Caisson Wet Ground, Casing Pulled.....	810.43
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.	
		<i>For >50' To 100' Deep, Add</i>	91.69
		<i>For >100' To 150' Deep, Add</i>	202.61
		<i>For >150' To 200' Deep, Add</i>	286.82
		<i>For Right Angle Drilling, Add</i>	174.42

31 64 13 00-0038 For Bell Excavation And Concrete, Add (31 64 13 00-0024)

31 64 13 00-0039	EA	Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY.....	538.49
		<i>For >50' To 100' Deep, Add</i>	43.05
		<i>For >100' To 150' Deep, Add</i>	134.62
		<i>For >150' To 200' Deep, Add</i>	168.24

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0040	EA	Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	1,876.02 150.36 469.01 586.60	
31 64 13 00-0041	EA	Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	2,577.41 192.61 644.35 788.47	
31 64 13 00-0042	EA	Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	4,121.73 333.53 1,030.43 1,292.78	
31 64 13 00-0043	EA	Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	5,345.18 428.29 1,336.30 1,671.21	
31 64 13 00-0044	EA	Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	6,285.52 503.43 1,571.38 1,964.96	
31 64 13 00-0045	EA	Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	10,663.09 852.49 2,665.77 3,331.52	
31 64 13 00-0046	EA	Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	15,395.85 1,242.27 3,848.96 4,824.46	
31 64 13 00-0047		Caisson In Soft Rock And Medium Hard Shale (31 64 13) Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0048		Caisson In Soft Rock (31 64 13 00-0047) Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049	VLF	18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	258.63 19.74 64.66 79.63 85.41	
31 64 13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	431.52 32.96 107.88 132.90 142.41	
31 64 13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	650.40 49.92 162.60 200.61 213.91	
31 64 13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	831.16 64.50 207.79 257.25 271.16	
31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	1,073.30 83.96 268.33 333.03 348.06	
31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	1,294.30 101.71 323.58 402.17 418.30	
31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	1,582.82 125.14 395.71 492.78 509.15	
31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	1,871.40 148.66 467.85 583.50 599.80	
31 64 13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water..... Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF. For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add For Right Angle Drilling, Add	2,055.78 165.28 513.95 643.45 652.74	

31 Earthwork**31 60 Special Foundations and Load-bearing Elements****31 64 Caissons**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
31 64 13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,246.80		
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.			
		For >50' To 100' Deep, Add	182.96		
		For >100' To 150' Deep, Add	561.70		
		For >150' To 200' Deep, Add	706.14		
		For Right Angle Drilling, Add	706.13		
31 64 13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,302.54		
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.			
		For >50' To 100' Deep, Add	191.32		
		For >100' To 150' Deep, Add	575.64		
		For >150' To 200' Deep, Add	728.44		
		For Right Angle Drilling, Add	711.70		
31 64 13 00-0060	VLF	84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	2,749.35		
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.			
		For >50' To 100' Deep, Add	227.41		
		For >100' To 150' Deep, Add	687.34		
		For >150' To 200' Deep, Add	868.50		
		For Right Angle Drilling, Add	853.04		
31 64 13 00-0061 For Bell Excavation And Concrete, Add (31 64 13 00-0047)					
31 64 13 00-0062	EA	Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	923.55		
		For >50' To 100' Deep, Add	70.00		
		For >100' To 150' Deep, Add	230.89		
		For >150' To 200' Deep, Add	283.76		
31 64 13 00-0063	EA	Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	3,249.91		
		For >50' To 100' Deep, Add	246.53		
		For >100' To 150' Deep, Add	812.48		
		For >150' To 200' Deep, Add	998.77		
31 64 13 00-0064	EA	Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	4,870.28		
		For >50' To 100' Deep, Add	372.94		
		For >100' To 150' Deep, Add	1,217.57		
		For >150' To 200' Deep, Add	1,501.11		
31 64 13 00-0065	EA	Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	6,934.12		
		For >50' To 100' Deep, Add	530.40		
		For >100' To 150' Deep, Add	1,733.53		
		For >150' To 200' Deep, Add	2,136.50		
31 64 13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	9,164.93		
		For >50' To 100' Deep, Add	695.67		
		For >100' To 150' Deep, Add	2,291.23		
		For >150' To 200' Deep, Add	2,817.14		
31 64 13 00-0067	EA	Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	11,167.71		
		For >50' To 100' Deep, Add	845.19		
		For >100' To 150' Deep, Add	2,791.93		
		For >150' To 200' Deep, Add	3,429.62		
31 64 13 00-0068	EA	Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	16,887.88		
		For >50' To 100' Deep, Add	1,288.23		
		For >100' To 150' Deep, Add	4,221.97		
		For >150' To 200' Deep, Add	5,198.96		
31 64 13 00-0069	EA	Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	25,399.97		
		For >50' To 100' Deep, Add	1,942.56		
		For >100' To 150' Deep, Add	6,349.99		
		For >150' To 200' Deep, Add	7,825.69		
31 64 13 00-0070 Caisson Setup And Removal (31 64 13)					
		Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.			
31 64 13 00-0071	EA	Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	4,387.30		
31 64 13 00-0072	EA	Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	6,152.42		
31 64 13 00-0073	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter.....	2,080.15		
31 64 13 00-0074	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter.....	2,773.54		
31 64 13 00-0075	EA	Relocate Caisson Equipment To Different Hole On-Site Without Dismantling.....	173.34		
31 66 Special Foundation (31 60)					
31 66 15 Helical Foundation Piles (31 66)					
31 66 15 00-0001 Helical Pier Restoration (Atlas) (31 66 15)					
31 66 15 00-0002	EA	Structural Steel Piers (Atlas Pier System Or Equal).....	3,954.43		
		Note: Includes heavy-duty bracket, pier platform, and 14' of 3.5" diameter pier sections, non-corrosive coating, hydraulic lifting, fasteners, and other related activities and materials. Excludes excavation and core drilling			
31 66 15 00-0003	EA	Pressure Injecting Grout For Slab Repairs, Per Location	480.57		
		Note: Includes preparation, installing and removing grout injection pipes, and finishing. Excludes grout and core drilling.			
31 66 15 00-0004	CY	Pressure Injected Non-Shrink Grout	494.08		
31 68 Foundation Anchors (31 60)					
31 68 13 Rock Foundation Anchors (31 68)					
31 68 13 00-0001		Materials And Placement (31 68 13)			
31 68 13 00-0002		Hollow Core Prestressable Anchor, ASTM A615 (31 68 13 00-0001)			
		Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0003		3/4" Diameter (31 68 13 00-0002)		
31 68 13 00-0004	EA	3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	278.15	
31 68 13 00-0005	EA	3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	402.37	
31 68 13 00-0006	EA	3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	498.44	
31 68 13 00-0007	EA	3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	650.82	
31 68 13 00-0008		1" Diameter (31 68 13 00-0002)		
31 68 13 00-0009	EA	1" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	358.44	
31 68 13 00-0010	EA	1" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	556.77	
31 68 13 00-0011	EA	1" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	726.94	
31 68 13 00-0012	EA	1" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	953.48	
31 68 13 00-0013		1-3/8" Diameter (31 68 13 00-0002)		
31 68 13 00-0014	EA	1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	606.03	
31 68 13 00-0015	EA	1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	946.33	
31 68 13 00-0016	EA	1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	1,258.53	
31 68 13 00-0017	EA	1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	1,626.98	
31 68 13 00-0018		2" Diameter (31 68 13 00-0002)		
31 68 13 00-0019	EA	2" Rock Bolt, 5' Hollow Core Prestressable Anchor.....	1,359.01	
31 68 13 00-0020	EA	2" Rock Bolt, 10' Hollow Core Prestressable Anchor.....	2,023.60	
31 68 13 00-0021	EA	2" Rock Bolt, 15' Hollow Core Prestressable Anchor.....	2,659.93	
31 68 13 00-0022	EA	2" Rock Bolt, 20' Hollow Core Prestressable Anchor.....	3,352.68	
31 68 13 00-0023		Super High-Tensile Anchors, ASTM A-108 (31 68 13 00-0001) Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0024		3/4" Diameter (31 68 13 00-0023)		
31 68 13 00-0025	EA	3/4" Rock Bolt, 5' Super High-Tensile Anchor.....	196.90	
31 68 13 00-0026	EA	3/4" Rock Bolt, 10' Super High-Tensile Anchor.....	262.70	
31 68 13 00-0027	EA	3/4" Rock Bolt, 15' Super High-Tensile Anchor.....	300.21	
31 68 13 00-0028	EA	3/4" Rock Bolt, 20' Super High-Tensile Anchor.....	391.34	
31 68 13 00-0029		1" Diameter (31 68 13 00-0023)		
31 68 13 00-0030	EA	1" Rock Bolt, 5' Super High-Tensile Anchor.....	238.58	
31 68 13 00-0031	EA	1" Rock Bolt, 10' Super High-Tensile Anchor.....	332.92	
31 68 13 00-0032	EA	1" Rock Bolt, 15' Super High-Tensile Anchor.....	395.75	
31 68 13 00-0033	EA	1" Rock Bolt, 20' Super High-Tensile Anchor.....	514.89	
31 68 13 00-0034		1-1/4" Diameter (31 68 13 00-0023)		
31 68 13 00-0035	EA	1-1/4" Rock Bolt, 5' Super High-Tensile Anchor.....	360.98	
31 68 13 00-0036	EA	1-1/4" Rock Bolt, 10' Super High-Tensile Anchor.....	508.37	
31 68 13 00-0037	EA	1-1/4" Rock Bolt, 15' Super High-Tensile Anchor.....	626.84	
31 68 13 00-0038	EA	1-1/4" Rock Bolt, 20' Super High-Tensile Anchor.....	796.68	
31 68 13 00-0039		2" Diameter (31 68 13 00-0023)		
31 68 13 00-0040	EA	2" Rock Bolt, 5' Super High-Tensile Anchor.....	984.03	
31 68 13 00-0041	EA	2" Rock Bolt, 10' Super High-Tensile Anchor.....	1,400.79	
31 68 13 00-0042	EA	2" Rock Bolt, 15' Super High-Tensile Anchor.....	1,716.77	
31 68 13 00-0043	EA	2" Rock Bolt, 20' Super High-Tensile Anchor.....	2,108.21	
31 68 13 00-0044		Solid Rebar Anchors, ASTM A615 (31 68 13 00-0001) Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0045		3/4" Diameter (31 68 13 00-0044)		
31 68 13 00-0046	EA	3/4" Rock Bolt, 5' Solid Rebar Anchor.....	183.52	
31 68 13 00-0047	EA	3/4" Rock Bolt, 10' Solid Rebar Anchor.....	234.40	
31 68 13 00-0048	EA	3/4" Rock Bolt, 15' Solid Rebar Anchor.....	257.09	
31 68 13 00-0049	EA	3/4" Rock Bolt, 20' Solid Rebar Anchor.....	336.13	
31 68 13 00-0050		1" Diameter (31 68 13 00-0044)		
31 68 13 00-0051	EA	1" Rock Bolt, 5' Solid Rebar Anchor.....	209.27	
31 68 13 00-0052	EA	1" Rock Bolt, 10' Solid Rebar Anchor.....	276.99	
31 68 13 00-0053	EA	1" Rock Bolt, 15' Solid Rebar Anchor.....	316.61	
31 68 13 00-0054	EA	1" Rock Bolt, 20' Solid Rebar Anchor.....	412.44	
31 68 13 00-0055		1-1/4" Diameter (31 68 13 00-0044)		
31 68 13 00-0056	EA	1-1/4" Rock Bolt, 5' Solid Rebar Anchor.....	312.30	
31 68 13 00-0057	EA	1-1/4" Rock Bolt, 10' Solid Rebar Anchor.....	402.27	
31 68 13 00-0058	EA	1-1/4" Rock Bolt, 15' Solid Rebar Anchor.....	464.24	

13	31	Earthwork
	31 60	Special Foundations and Load-bearing Elements
	31 68	Foundation Anchors



MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
31 68 13 00-0059	EA	1-1/4" Rock Bolt, 20' Solid Rebar Anchor	582.47			
31 68 13 00-0060		Resin Anchoring With Grade 60 Rebar (31 68 13 00-0001)				
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.						
31 68 13 00-0061		Rebar #6 (31 68 13 00-0060)				
31 68 13 00-0062	EA	#6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar	93.10			
31 68 13 00-0063	EA	#6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar	129.89			
31 68 13 00-0064	EA	#6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar	138.52			
31 68 13 00-0065	EA	#6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	186.20			
31 68 13 00-0066		Rebar #8 (31 68 13 00-0060)				
31 68 13 00-0067	EA	#8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	99.82			
31 68 13 00-0068	EA	#8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	143.32			
31 68 13 00-0069	EA	#8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	158.67			
31 68 13 00-0070	EA	#8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	230.32			
31 68 13 00-0071		Rebar #10 (31 68 13 00-0060)				
31 68 13 00-0072	EA	#10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	109.41			
31 68 13 00-0073	EA	#10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	162.50			
31 68 13 00-0074	EA	#10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	187.44			
31 68 13 00-0075	EA	#10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	268.69			
31 68 13 00-0076		Rebar #14 (31 68 13 00-0060)				
31 68 13 00-0077	EA	#14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	132.43			
31 68 13 00-0078	EA	#14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	208.55			
31 68 13 00-0079	EA	#14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	256.51			
31 68 13 00-0080	EA	#14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	360.79			
31 68 13 00-0081		Plastic Rebar Collars, Sizes #6-#14 (31 68 13 00-0060)				
31 68 13 00-0082	EA	Plastic Rebar Collars For Rebar #4 To #14	2.56			
31 68 13 00-0083		12" Long Resin Cartridges (31 68 13 00-0001)				
31 68 13 00-0084	EA	7/8" Resin Cartridge 12" Long	2.80			
31 68 13 00-0085	EA	1" Resin Cartridge 12" Long	3.84			
31 68 13 00-0086	EA	1-1/16" Resin Cartridge 12" Long	4.11			
31 68 13 00-0087	EA	1-1/4" Resin Cartridge 12" Long	4.44			
31 68 13 00-0088	EA	1-3/8" Resin Cartridge 12" Long	5.10			
31 68 13 00-0089	EA	1-9/16" Resin Cartridge 12" Long	6.39			
31 68 13 00-0090	EA	1-3/4" Resin Cartridge 12" Long	8.77			
31 68 13 00-0091		Head Assembly (31 68 13 00-0001)				
31 68 13 00-0092		3/4" Rod Diameter (31 68 13 00-0091)				
31 68 13 00-0093	EA	3/4" Rod Head Assembly 1-5/8" Short Cone and Shell	41.97			
31 68 13 00-0094	EA	3/4" Rod Head Assembly 1-3/4" Short Cone and Shell	35.35			
31 68 13 00-0095	EA	3/4" Rod Head Assembly 1-7/8" Short Cone and Shell	37.08			
31 68 13 00-0096	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	66.57			
31 68 13 00-0097	EA	3/4" Rod Head Assembly 1-7/8" Long Cone and Shell	66.57			
31 68 13 00-0098	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	63.07			
31 68 13 00-0099		1" Rod Diameter (31 68 13 00-0091)				
31 68 13 00-0100	EA	1" Rod Head Assembly 1-5/8" Short Cone and Shell	45.23			
31 68 13 00-0101	EA	1" Rod Head Assembly 1-3/4" Short Cone and Shell	38.71			
31 68 13 00-0102	EA	1" Rod Head Assembly 1-7/8" Short Cone and Shell	40.43			
31 68 13 00-0103	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	70.03			
31 68 13 00-0104	EA	1" Rod Head Assembly 1-7/8" Long Cone and Shell	70.03			
31 68 13 00-0105	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	66.77			
31 68 13 00-0106		1-1/4" Rod Diameter (31 68 13 00-0091)				
31 68 13 00-0107	EA	1-1/4" Rod Head Assembly 2" Short Cone and Shell	100.92			
31 68 13 00-0108	EA	1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell	117.90			
31 68 13 00-0109	EA	1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell	119.57			
31 68 13 00-0110	EA	1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell	106.05			
31 68 13 00-0111	EA	1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell	123.65			
31 68 13 00-0112		1-7/8" Rod Diameter (31 68 13 00-0091)				
31 68 13 00-0113	EA	1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	397.19			
31 68 13 00-0114	EA	1-7/8" Rod Head Assembly 3" Long Cone and Shell	273.83			
31 68 13 00-0115		2" Rod Diameter (31 68 13 00-0091)				

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0116	EA	2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl.....	397.19	
31 68 13 00-0117	EA	2" Rod Head Assembly 3" Long Cone and Shell	273.83	
31 68 13 00-0118		Steel Plates With Standard Hole And Washers (31 68 13 00-0001)		
31 68 13 00-0119		Steel Plates (31 68 13 00-0118)		
31 68 13 00-0120	EA	1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer	3.31	
31 68 13 00-0121	EA	1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer	6.11	
31 68 13 00-0122	EA	3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer	8.50	
31 68 13 00-0123	EA	3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer	14.91	
31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	5.79	
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	15.21	
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	25.24	
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	35.76	
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer	21.46	
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer	60.72	
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer	89.47	
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	39.28	
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	106.23	
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	53.12	
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	127.77	
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	58.64	
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	141.71	
31 68 13 00-0137		Hardened Washers (31 68 13 00-0118)		
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt	1.39	
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt	1.92	
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt	5.37	
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt	13.38	
31 68 13 00-0142		Beveled Washers (31 68 13 00-0118)		
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt	3.50	
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	3.45	
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	5.23	
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt	22.35	
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt	15.44	
31 68 13 00-0148		Hex Nuts (31 68 13 00-0118)		
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt	2.73	
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt	4.46	
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt	18.27	
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt	11.51	
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt	73.43	
31 68 13 00-0154		Drilling Operation For Rock Bolts (31 68 13)		
31 68 13 00-0155		Drill Holes For Rock Bolts (31 68 13 00-0154)		
31 68 13 00-0156		3/4" Diameter Bolt, 1-3/4" Hole (31 68 13 00-0155)		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts.....	199.04	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	375.97	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts.....	563.94	
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts.....	676.73	
31 68 13 00-0161		1" Diameter Bolt, 2" Hole (31 68 13 00-0155)		
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt.....	260.28	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt.....	483.38	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt.....	676.73	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt.....	845.92	
31 68 13 00-0166		1-1/4" Diameter Bolt, 2-1/4" Hole (31 68 13 00-0155)		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	281.98	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	563.94	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' long For 1-1/4" Diameter Rock Bolt	845.92	
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	1,127.89	
31 68 13 00-0171		2" Diameter Bolt, 3-1/2" Hole (31 68 13 00-0155)		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	338.36	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	676.73	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts.....	1,127.89	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	1,691.83	
31 68 13 00-0176		Tools (31 68 13)		
31 68 13 00-0177		Hydraulic Jacks, Monthly Rental (31 68 13 00-0176)		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	753.95	

13	31	Earthwork
	31 60	Special Foundations and Load-bearing Elements
	31 68	Foundation Anchors



MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	1,111.10		
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	1,863.99		
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	2,790.62		
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	4,171.47		
31 68 13 00-0183		Torque Wrenches And Ratchet Adapter, Monthly Rental (31 68 13 00-0176)			
31 68 13 00-0184		0-500 Foot Pounds (0-678J) (31 68 13 00-0183)			
31 68 13 00-0185	EA	1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental	263.83		
31 68 13 00-0186	EA	Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds	165.38		
31 68 13 00-0187	EA	Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental	429.53		
31 68 13 00-0188		0-600 Foot Pounds (0-814J) (31 68 13 00-0183)			
31 68 13 00-0189	EA	0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental	299.55		
31 68 13 00-0190		Up To 1,000 Foot Pounds (0-1356J) (31 68 13 00-0183)			
31 68 13 00-0191	EA	1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental	575.29		
31 68 13 00-0192	EA	Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental	141.89		
31 68 13 00-0193	EA	Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental	717.18		
31 68 13 00-0194		Torque Multiplier, 4:1 Multiplier (31 68 13 00-0176)			
31 68 13 00-0195	EA	Torque Multiplier, 4 To 1 Ratio	736.80		
31 68 13 00-0196		Pneumatic Drive Torque Wrench (31 68 13 00-0176)			
31 68 13 00-0197	EA	Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	1,576.57		
31 68 13 00-0198		Grouting (31 68 13)			
31 68 13 00-0199		Grouting With Pumps (31 68 13 00-0198)			
		Note: Grout material and labor only.			
31 68 13 00-0200	GAL	Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery	24.00		
31 68 13 00-0201	GAL	Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery	37.76		
31 68 13 00-0202	GAL	Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery	34.81		
31 68 13 00-0203		Grout Pumps, Monthly Rental (31 68 13 00-0198)			
31 68 13 00-0204	EA	Hand Grout Pump, Monthly Rental	175.13		
31 68 13 00-0205	EA	Air Powered Programmable Feed Grout Pump Monthly Rental	1,473.24		
31 68 13 00-0206	EA	Air Powered, Piston Drive Grout Pump Monthly Rental	2,572.15		
31 68 13 00-0207		Rock Bolt Testing (31 68 13)			
31 68 13 00-0208	EA	Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing	622.43		

END OF SECTION 31

32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal from Paving ^(32 01 11)

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings ^(32 01 11 53)

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.30	
		For Up To 250, Add	1.15	
		For >250 To 1,000, Add	0.58	
		For >5,000 To 10,000, Deduct	-0.35	
		For >10,000 To 25,000, Deduct	-0.58	
		For >25,000 To 50,000, Deduct	-0.81	
		For >50,000, Deduct	-0.92	
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.76	
		For Up To 250, Add	1.38	
		For >250 To 1,000, Add	0.69	
		For >5,000 To 10,000, Deduct	-0.41	
		For >10,000 To 25,000, Deduct	-0.69	
		For >25,000 To 50,000, Deduct	-0.97	
		For >50,000, Deduct	-1.10	
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.30	
		For Up To 250, Add	1.65	
		For >250 To 1,000, Add	0.83	
		For >5,000 To 10,000, Deduct	-0.50	
		For >10,000 To 25,000, Deduct	-0.83	
		For >25,000 To 50,000, Deduct	-1.16	
		For >50,000, Deduct	-1.32	
32 01 11 53-0005	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	3.96	
		For Up To 250, Add	1.98	
		For >250 To 1,000, Add	0.99	
		For >5,000 To 10,000, Deduct	-0.59	
		For >10,000 To 25,000, Deduct	-0.99	
		For >25,000 To 50,000, Deduct	-1.39	
		For >50,000, Deduct	-1.58	
32 01 11 53-0006	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	3.96	
		For Up To 250, Add	1.98	
		For >250 To 1,000, Add	0.99	
		For >5,000 To 10,000, Deduct	-0.59	
		For >10,000 To 25,000, Deduct	-0.99	
		For >25,000 To 50,000, Deduct	-1.39	
		For >50,000, Deduct	-1.58	
32 01 11 53-0007	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	2.95	
		For Up To 250, Add	1.48	
		For >250 To 1,000, Add	0.74	
		For >5,000 To 10,000, Deduct	-0.44	
		For >10,000 To 25,000, Deduct	-0.74	
		For >25,000 To 50,000, Deduct	-1.03	
		For >50,000, Deduct	-1.18	
32 01 11 53-0008	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	3.49	
		For Up To 250, Add	1.75	
		For >250 To 1,000, Add	0.87	
		For >5,000 To 10,000, Deduct	-0.52	
		For >10,000 To 25,000, Deduct	-0.87	
		For >25,000 To 50,000, Deduct	-1.22	
		For >50,000, Deduct	-1.40	
32 01 11 53-0009	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	4.21	
		For Up To 250, Add	2.11	
		For >250 To 1,000, Add	1.05	
		For >5,000 To 10,000, Deduct	-0.63	
		For >10,000 To 25,000, Deduct	-1.05	
		For >25,000 To 50,000, Deduct	-1.47	
		For >50,000, Deduct	-1.68	
32 01 11 53-0010	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	5.04	
		For Up To 250, Add	2.52	
		For >250 To 1,000, Add	1.26	
		For >5,000 To 10,000, Deduct	-0.76	
		For >10,000 To 25,000, Deduct	-1.26	
		For >25,000 To 50,000, Deduct	-1.76	
		For >50,000, Deduct	-2.02	
32 01 11 53-0011	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	5.04	
		For Up To 250, Add	2.52	
		For >250 To 1,000, Add	1.26	
		For >5,000 To 10,000, Deduct	-0.76	
		For >10,000 To 25,000, Deduct	-1.26	
		For >25,000 To 50,000, Deduct	-1.76	
		For >50,000, Deduct	-2.02	

32 01 13 Flexible Paving Surface Treatment ^(32 01)

32 01 13 61 Slurry Seal (Latex Modified) ^(32 01 13)

32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot ^(32 01 13 61)

Note: Includes sweeping and cleaning of area.

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 13 Flexible Paving Surface Treatment**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	
32 01 13 61-0002	EA Asphalt Seal Coating Minimum Charge .....941.43 Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
32 01 13 61-0003	SY Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....5.06 Note: 1/4" thick, 14 to 18 Lb/SY.			
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.34		
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.40		
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.50		
	For Each 0.5% Of Latex Addition, Add	0.49		
32 01 13 61-0004	SY >500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....4.72 Note: 1/4" thick, 14 to 18 Lb/SY.			
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.32		
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.38		
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.48		
	For Each 0.5% Of Latex Addition, Add	0.49		
32 01 13 61-0005	SY >1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....4.48 Note: 1/4" thick, 14 to 18 Lb/SY.			
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31		
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37		
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.47		
	For Each 0.5% Of Latex Addition, Add	0.49		
32 01 13 61-0006	SY >5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....4.25 Note: 1/4" thick, 14 to 18 Lb/SY.			
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30		
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36		
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.46		
	For Each 0.5% Of Latex Addition, Add	0.49		
32 01 13 61-0007	SY >20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....4.02 Note: 1/4" thick, 14 to 18 Lb/SY.			
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28		
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34		
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.44		
	For Each 0.5% Of Latex Addition, Add	0.49		
32 01 13 61-0008	SY >50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....3.83 Note: 1/4" thick, 14 to 18 Lb/SY.			
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28		
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34		
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.44		
	For Each 0.5% Of Latex Addition, Add	0.49		
32 01 13 61-0009	SY Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....6.39 Note: 3/8" thick, 25 to 30 Lb/SY.			
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.35		
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.41		
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.51		
	For Each 0.5% Of Latex Addition, Add	0.80		
32 01 13 61-0010	SY >500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....6.03 Note: 3/8" thick, 25 to 30 Lb/SY.			
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.33		
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.39		
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.49		
	For Each 0.5% Of Latex Addition, Add	0.80		
32 01 13 61-0011	SY >1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....5.77 Note: 3/8" thick, 25 to 30 Lb/SY.			
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.32		
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.38		
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.48		
	For Each 0.5% Of Latex Addition, Add	0.80		
32 01 13 61-0012	SY >5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....5.51 Note: 3/8" thick, 25 to 30 Lb/SY.			
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30		
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36		
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.46		
	For Each 0.5% Of Latex Addition, Add	0.80		
32 01 13 61-0013	SY >20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....5.28 Note: 3/8" thick, 25 to 30 Lb/SY.			
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29		
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35		
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.45		
	For Each 0.5% Of Latex Addition, Add	0.80		
32 01 13 61-0014	SY >50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat .....5.07 Note: 3/8" thick, 25 to 30 Lb/SY.			
	For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28		
	For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34		
	For Rubberized Polymer Modified Emulsion (RPME), Add	0.44		
	For Each 0.5% Of Latex Addition, Add	0.80		

32 01 13 62 Asphalt Surface Treatment (32 01 13)

32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) (32 01 13 62)
 Note: Use a blend of emulsified quickset polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.

32 01 13 62-0002	SY Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....11.50			
32 01 13 62-0003	SY Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE) .....10.96			
32 01 13 62-0004	SY >500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....10.47			
32 01 13 62-0005	SY >1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....10.08			
32 01 13 62-0006	SY >5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....9.71			
32 01 13 62-0007	SY >10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....9.38			
32 01 13 62-0008	SY >20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....9.15			
32 01 13 62-0009	SY >50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....9.04			

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 16 Flexible Paving Rehabilitation (32 01)

See CSI section 33 01 30 86-0000 for raising manhole frame and cover.

32 01 16 71 Cold Milling Asphalt Pavement (32 01 16)

32 01 16 71-0001 Removal Of Asphalt Surface Course (32 01 16 71)

Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas (32 01 16 71-0001)

Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0003	SY Up To 3" Depth, Production Cold Milling Of Asphalt.....	4.63	
	For Up To 2,500, Add	3.47	
	For >2,500 To 5,000, Add	1.16	
	For >10,000 To 25,000, Deduct	-0.81	
	For >25,000, Deduct	-1.16	
32 01 16 71-0004	SY >3" To 6" Depth, Production Cold Milling Of Asphalt.....	5.85	
	For Up To 2,500, Add	4.39	
	For >2,500 To 5,000, Add	1.46	
	For >10,000 To 25,000, Deduct	-1.02	
	For >25,000, Deduct	-1.46	
32 01 16 71-0005	SY >6" To 12" Depth, Production Cold Milling Of Asphalt.....	7.79	
	For Up To 2,500, Add	5.84	
	For >2,500 To 5,000, Add	1.95	
	For >10,000 To 25,000, Deduct	-1.36	
	For >25,000, Deduct	-1.95	

32 01 16 71-0006 Limited Production Cold Milling (32 01 16 71-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 16 71-0007	SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....	30.83	
	For >100 To 1,000, Deduct	-15.42	
	For >1,000, Deduct	-23.12	
32 01 16 71-0008	SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....	40.83	
	For >100 To 1,000, Deduct	-20.42	
	For >1,000, Deduct	-30.62	
32 01 16 71-0009	SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....	54.37	
	For >100 To 1,000, Deduct	-27.19	
	For >1,000, Deduct	-40.78	

32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings (32 01 16 71)

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY Grind, Leave In-Place As Subbase Course, 6-9" Depth.....	8.04	
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32 01 16 74 In Place Hot Reused Asphalt Paving (32 01 16)

32 01 16 74-0001 Rejuvenate And Respread Asphalt Pavement (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0002	SY Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep.....	11.54	
32 01 16 74-0003	SY Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....	13.77	
32 01 16 74-0004	TON Removal, Rejuvenation, And Respreading Of Asphalt Grindings.....	209.74	

32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0006	SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	16.61	
32 01 16 74-0007	SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.31	
32 01 16 74-0008	SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.15	
32 01 16 74-0009	SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.94	
32 01 16 74-0010	SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.53	
32 01 16 74-0011	SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	18.12	
32 01 16 74-0012	SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.06	
32 01 16 74-0013	SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.27	
32 01 16 74-0014	SY >3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	19.93	
32 01 16 74-0015	SY >3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.97	
32 01 16 74-0016	SY >3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.98	
32 01 16 74-0017	SY >3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.60	
32 01 16 74-0018	SY >4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	21.74	

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 16 Flexible Paving Rehabilitation**
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32 01 16 74-0019	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	10.87
32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.44
32 01 16 74-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.07
32 01 16 74-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,868.59

32 01 17 Flexible Paving Repair (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving (32 01 17)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair (32 01 17 61)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.94
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.56
		For 1" x 1/2" Fill, Add	1.06
		For Backer Rod, Add	1.15
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.58
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.46
		For 1" x 1/2" Fill, Add	0.88
		For Backer Rod, Add	1.03
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.26
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.38
		For 1" x 1/2" Fill, Add	0.72
		For Backer Rod, Add	0.92
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.10
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.33
		For 1" x 1/2" Fill, Add	0.64
		For Backer Rod, Add	0.86
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.97
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.29
		For 1" x 1/2" Fill, Add	0.56
		For Backer Rod, Add	0.80
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.89
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.27
		For 1" x 1/2" Fill, Add	0.51
		For Backer Rod, Add	0.76
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	3.33
		For 3/8" x 1/4" Fill, Add	0.79
		For 1/2" x 1/4" Fill, Add	1.46
		For 1/2" x 1/2" Fill, Add	3.49
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.69
		For 3/8" x 1/4" Fill, Add	0.65
		For 1/2" x 1/4" Fill, Add	1.21
		For 1/2" x 1/2" Fill, Add	2.92
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.08
		For 3/8" x 1/4" Fill, Add	0.52
		For 1/2" x 1/4" Fill, Add	0.96
		For 1/2" x 1/2" Fill, Add	2.34
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.83
		For 3/8" x 1/4" Fill, Add	0.46
		For 1/2" x 1/4" Fill, Add	0.85
		For 1/2" x 1/2" Fill, Add	2.08
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.65
		For 3/8" x 1/4" Fill, Add	0.41
		For 1/2" x 1/4" Fill, Add	0.76
		For 1/2" x 1/2" Fill, Add	1.86
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.54
		For 3/8" x 1/4" Fill, Add	0.38
		For 1/2" x 1/4" Fill, Add	0.70
		For 1/2" x 1/2" Fill, Add	1.71
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.58

32 01 17 63 Flexible Pavement Repair (32 01 17)**32 01 17 63-0001 Temporary Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons.....	1,783.84
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified.....	539.01
		Note: Use for each ton over 3 tons.	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,706.18
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix.....	513.12
		Note: Use for each ton over 3 tons.	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,667.35
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified.....	500.18
		Note: Use for each ton over 3 tons.	

32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,628.52	
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix	487.24	
Note: Use for each ton over 3 tons.				

32 01 17 63-0010 Permanent Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,944.92	
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix	631.99	
Note: Use for each ton over 3 tons.				
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,906.09	
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified	619.05	
Note: Use for each ton over 3 tons.				
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,867.26	
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix	606.11	
Note: Use for each ton over 3 tons.				

32 01 17 63-0017 Grind Asphalt (32 01 17 63)

32 01 17 63-0018	SY	Grinding Asphalt To Level Bump Or Raised Area.....	23.07	
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32 01 17 63-0019 Asphalt Placement For Small Repairs (32 01 17 63)

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.

32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons.....	2,539.50	
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.				
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified	346.23	
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.				
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons	2,461.84	
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.				
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Cold Mix.....	320.34	
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.				
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons	2,423.01	
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.				
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified	307.40	
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.				
32 01 17 63-0026	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons	2,384.18	
Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.				
32 01 17 63-0027	TON	Asphalt Placement For Small Repair Areas, Hot Mix.....	294.46	
Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.				

32 01 26 Rigid Paving Rehabilitation (32 01)

32 01 26 71 Grooving of Concrete Paving (32 01 26)

32 01 26 71-0001 Roadway Grooving (32 01 26 71)

32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal	4,260.39	
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	3.94	
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse	4,746.22	
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse	5.13	

32 01 26 71-0006 Rumble Strips (32 01 26 71)

32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	4,762.25	
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	0.87	
32 01 26 71-0009	EA	First 2,000 LF Of MIARDS, Rumble Strips, Concrete	5,307.09	
32 01 26 71-0010	LF	Each LF Over First 2,000 LF Of MIARDS, Rumble Strips, Concrete	0.97	

32 01 26 73 Milling Of Concrete Paving (32 01 26)

32 01 26 73-0001 Removal Of Concrete (32 01 26 73)

Note: Includes direct loading into truck.

32 01 26 73-0002 Production Milling Of Roads And Parking Areas (32 01 26 73-0001)

Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

32 01 26 73-0003	SY	Production Milling Of Concrete Per Inch.....	7.38	
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32 01 26 73-0004		Limited Production Milling (32 01 26 73-0001) Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.	
32 01 26 73-0005	SY	Limited Production Milling Of Concrete Per Inch	46.34

32 01 29 Rigid Paving Repair (32 01)**32 01 29 61 Partial Depth Patching of Rigid Paving (32 01 29)**

32 01 29 61-0001		Hot Applied Flexible Concrete Repair (32 01 29 61) Note: Excludes saw cutting (where required), flagmen.	
32 01 29 61-0002	EA	Hot Applied Flexible Concrete Repair Minimum Charge.....	1,283.38
		Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphalt charge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repair" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section.	
32 01 29 61-0003	SF	Up To 2" Depth, Hot Applied Flexible Concrete Repair	71.46
		For >25 SF Quantity, Deduct	-7.15
32 01 29 61-0004	SF	>2" To 4" Depth, Hot Applied Flexible Concrete Repair.....	134.26
		For >25 SF Quantity, Deduct	-13.43
32 01 29 61-0005	SF	>4" To 6" Depth, Hot Applied Flexible Concrete Repair.....	196.47
		For >25 SF Quantity, Deduct	-19.65
32 01 29 61-0006	SF	>6" To 8" Depth, Hot Applied Flexible Concrete Repair.....	258.70
		For >25 SF Quantity, Deduct	-25.87
32 01 29 61-0007	SF	>8" To 10" Depth, Hot Applied Flexible Concrete Repair.....	320.92
		For >25 SF Quantity, Deduct	-32.09
32 01 29 61-0008	CF	>10" Depth, Hot Applied Flexible Concrete Repair	382.56

32 01 29 61-0009 Cold Applied Flexible Concrete Repair (32 01 29 61)

32 01 29 61-0010	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	7.01
32 01 29 61-0011	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	10.09
32 01 29 61-0012	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	13.28
32 01 29 61-0013	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	16.60
32 01 29 61-0014	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	23.69
32 01 29 61-0015	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	7.10
32 01 29 61-0016	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	10.18
32 01 29 61-0017	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	13.37
32 01 29 61-0018	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	16.69
32 01 29 61-0019	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	23.78
32 01 29 61-0020	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	7.05
32 01 29 61-0021	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	10.13
32 01 29 61-0022	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	13.32
32 01 29 61-0023	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	16.64
32 01 29 61-0024	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	23.73

32 01 90 Operation and Maintenance of Planting (32 01)

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing (32 01 90)

32 01 90 13-0001	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Granular).....	16.10
32 01 90 13-0002	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Liquid)	11.59
32 01 90 13-0003	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Granular).....	12.71
32 01 90 13-0004	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Liquid)	10.38

32 01 90 23 Pruning (32 01 90)**32 01 90 23-0001 Tree Pruning (32 01 90 23)**

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

32 01 90 23-0002 Tree Pruning; Crown Cleaning (32 01 90 23-0001)

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	33.04
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	37.76
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	42.48
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	47.21
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	71.73
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	118.63
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	125.53
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	225.95
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	201.03
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	361.44
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	232.29
32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	417.98
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	270.04
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	485.77
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	328.71
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	587.53
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	408.33
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	740.48
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	559.27

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32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....		1,003.59	
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand.....		887.26	
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....		1,613.94	

32 01 90 23-0025

Tree Pruning; Crown Thinning (32 01 90 23-0001)

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand		40.50	
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand		46.25	
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand		52.02	
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand		57.87	
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand		87.89	
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment		145.28	
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand		153.78	
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment		276.79	
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand		246.30	
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment		442.75	
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand		284.53	
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment		512.00	
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand		330.79	
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment		595.04	
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand		402.63	
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment		719.76	
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand		500.16	
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment		907.08	
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand		685.09	
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment		1,229.40	
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand		1,086.88	
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment		1,977.07	

32 01 90 23-0048

Tree Pruning; Crown Raising (32 01 90 23-0001)

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand		44.65	
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand		50.98	
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand		57.40	
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand		63.73	
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand		96.85	
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment		160.19	
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand		169.46	
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment		305.04	
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand		271.41	
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment		487.94	
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand		313.61	
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment		564.31	
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand		364.59	
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment		655.82	
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand		443.79	
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment		793.20	
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand		551.23	
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment		999.61	
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand		755.05	
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment		1,354.80	
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand		1,197.80	
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment		2,178.85	

32 01 90 23-0071

Tree Pruning; Crown Reduction (32 01 90 23-0001)

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand		47.96	
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand		54.75	
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand		61.64	
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand		68.44	
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand		104.03	
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment		172.06	
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand		182.01	
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment		327.63	
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand		291.52	
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment		524.10	
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand		336.84	
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment		606.12	
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand		391.59	

32 Exterior Improvements**32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	704.40
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand.....	476.64
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	851.95
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand.....	592.10
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,073.72
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand.....	810.93
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,455.23
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand.....	1,286.54
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	2,340.17

32 01 90 23-0094**Tree Pruning; Crown Restoration** (32 01 90 23-0001)

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	55.04
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	62.97
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	70.80
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand.....	78.63
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand.....	119.51
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	197.70
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand.....	209.20
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	376.54
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand.....	335.04
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	602.38
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand.....	387.15
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	696.61
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand.....	450.03
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	809.58
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand.....	547.82
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	979.27
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand.....	680.56
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,234.14
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand.....	932.15
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,672.71
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand.....	1,478.75
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	2,689.94

32 01 90 23-0117**Shrub Pruning** (32 01 90 23)

32 01 90 23-0118	MSF	Shrub Pruning, Prune, Shrub Bed.....	107.57
32 01 90 23-0119	EA	Shrub Pruning, Prune, Shrub Under 3' Height.....	3.77
32 01 90 23-0120	EA	Shrub Pruning, Prune, Shrub 4' Height.....	8.50
32 01 90 23-0121	EA	Shrub Pruning, Prune, Shrub Over 6'.....	15.10
32 01 90 23-0122	EA	Shrub Pruning, Prune Trees From Ground.....	37.76
32 01 90 23-0123	EA	Shrub Pruning, Prune Trees From Ground, High Work.....	94.40

32 01 90 23-0124**Root Pruning** (32 01 90 23)

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0125	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree.....	18.88
32 01 90 23-0126	EA	Root Pruning, One Side Of 2" Caliper Tree.....	23.60
32 01 90 23-0127	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree.....	28.32
32 01 90 23-0128	EA	Root Pruning, One Side Of 3" Caliper Tree.....	37.76
32 01 90 23-0129	EA	Root Pruning, One Side Of 4" Caliper Tree.....	56.64
32 01 90 23-0130	EA	Root Pruning, One Side Of >4" To 6" Caliper Tree.....	70.80
32 01 90 23-0131	EA	Root Pruning, One Side Of >6" To 9" Caliper Tree.....	99.12
32 01 90 23-0132	EA	Root Pruning, One Side Of >9" To 12" Caliper Tree.....	113.28
32 01 90 23-0133	EA	Root Pruning, One Side Of >12" To 18" Caliper Tree.....	132.17
32 01 90 23-0134	EA	Root Pruning, One Side Of >18" To 24" Caliper Tree.....	165.20
32 01 90 23-0135	EA	Root Pruning, One Side Of >24" To 30" Caliper Tree.....	202.97
32 01 90 23-0136	EA	Root Pruning, One Side Of >30" To 36" Caliper Tree.....	236.02
32 01 90 23-0137	EA	Root Pruning, One Side Of >36" To 42" Caliper Tree.....	259.61
32 01 90 23-0138	EA	Root Pruning, One Side Of >42" To 48" Caliper Tree.....	283.21

32 01 90 26**Watering** (32 01 90)

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001**Watering Lawns, Plants And Trees** (32 01 90 26)

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for additional watering beyond initial watering at installation for extended watering period of lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water.....	49.68
32 01 90 26-0003	CSF	Watering Groundcover.....	7.66
32 01 90 26-0004	CSF	Watering Annuals And Perennials.....	13.54
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand.....	26.14
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand.....	34.37
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand.....	42.59
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand.....	52.43
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand.....	13.14

Exterior Improvements			32
Operation and Maintenance of Exterior Improvements			32 01
Operation and Maintenance of Planting			32 01 90
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

32 01 90 36 Weed and Brush Control (32 01 90)

32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied (32 01 90 36)

32 01 90 36-0002	MSF Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF).....	8.72
	For >45 To 90, Deduct	-0.48
	For >90 To 225, Deduct	-1.35
	For >225 To 870, Deduct	-2.22
	For >870, Deduct	-2.70
32 01 90 36-0003	MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF).....	9.40
	For >45 To 90, Deduct	-0.55
	For >90 To 225, Deduct	-1.49
	For >225 To 870, Deduct	-2.43
	For >870, Deduct	-2.97
32 01 90 36-0004	MSF Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF).....	9.36
	Note: Includes pre and post emergent.	
	For >45 To 90, Deduct	-0.54
	For >90 To 225, Deduct	-1.48
	For >225 To 870, Deduct	-2.41
	For >870, Deduct	-2.96
32 01 90 36-0005	MSF Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF).....	9.78
	Note: Includes pre and post emergent.	
	For >45 To 90, Deduct	-0.58
	For >90 To 225, Deduct	-1.56
	For >225 To 870, Deduct	-2.54
	For >870, Deduct	-3.12

32 01 90 39 Pesticides (32 01 90)

32 01 90 39-0001	MSF Pesticide - Surface Eating	12.11
32 01 90 39-0002	MSF Pesticide - Subsurface Eating.....	12.16
32 01 90 39-0003	MSF Pesticide - Fungicide Application.....	13.22

32 05 Common Work Results for Exterior Improvements (32)

32 05 33 Common Work Results for Planting (32 05)

32 05 33 00-0001 Decorative Landscape Boulders (32 05 33)

Note: Includes delivery of materials and placement.

32 05 33 00-0002	EA 1'-6" x 2' x 1' Oval Shape Boulders (Approx. 250 Lb. Each).....	87.32
32 05 33 00-0003	EA 1'-6" x 2' x 1'-6" Oval Shape Boulders (Approx. 375 Lb. Each)	130.99
32 05 33 00-0004	EA 2' x 2' x 1'-6" Oval Shape Boulders (Approx. 500 Lb. Each).....	174.65
32 05 33 00-0005	EA 2' x 2' x 2' Oval Shape Boulders (Approx. 667 Lb. Each).....	233.00
32 05 33 00-0006	EA 2' x 3' x 1'-6" Oval Shape Boulders (Approx. 750 Lb. Each).....	262.26
32 05 33 00-0007	EA 2' x 3' x 2' Oval Shape Boulders (Approx. 1,000 Lb. Each).....	349.68
32 05 33 00-0008	EA 2'-6" x 3' x 2' Oval Shape Boulders (Approx. 1,250 Lb. Each).....	437.10
32 05 33 00-0009	EA 3' x 3' x 2' Oval Shape Boulders (Approx. 1,500 Lb. Each).....	524.52
32 05 33 00-0010	EA 3' x 3'-6" x 2' Oval Shape Boulders (Approx. 1,750 Lb. Each)	611.94
32 05 33 00-0011	EA 3' x 4' x 2' Oval Shape Boulders (Approx. 2,000 Lb. Each).....	699.35
32 05 33 00-0012	EA 3' x 3' x 3' Oval Shape Boulders (Approx. 2,250 Lb. Each).....	786.77
32 05 33 00-0013	EA 3' x 4' x 2'-6" Oval Shape Boulders (Approx. 2,500 Lb. Each)	874.18
32 05 33 00-0014	EA 3' x 4' x 3' Oval Shape Boulders (Approx. 3,000 Lb. Each).....	1,049.03
32 05 33 00-0015	TON Landscape Boulders.....	699.35

32 10 Bases, Ballasts, and Paving (32)

32 11 Base Courses (32 10)

32 11 16 Subbase Courses (32 11)

32 11 16 16 Aggregate Subbase Courses (32 11 16)

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas (32 11 16 16)

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)

32 11 16 16-0003	CY Class II Graded Crushed Aggregate Roadway Base Course	111.09
32 11 16 16-0004	CY Class III Graded Crushed Aggregate Roadway Base Course	106.53

32 11 16 16-0005 Base And Subbase Courses For Roadways And Parking Areas By The SY (32 11 16 16-0001)

32 11 16 16-0006	SY 2" Crushed Aggregate Base Course For Roadways And Parking Areas.....	5.45
	For Up To 500, Add	1.42
	For >500 To 1,000, Add	0.55
	For >5,000 To 10,000, Deduct	-0.21
	For >10,000, Deduct	-0.35
	For Limestone, Deduct	-0.39
32 11 16 16-0007	SY 4" Crushed Aggregate Base Course For Roadways And Parking Areas.....	10.16
	For Up To 500, Add	2.69
	For >500 To 1,000, Add	1.02
	For >5,000 To 10,000, Deduct	-0.39
	For >10,000, Deduct	-0.66
	For Limestone, Deduct	-0.65

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 11 Base Courses**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 11 16 16-0008	SY	6" Crushed Aggregate Base Course For Roadways And Parking Areas	15.98
		For Up To 500, Add	4.18
		For >500 To 1,000, Add	1.60
		For >5,000 To 10,000, Deduct	-0.61
		For >10,000, Deduct	-1.04
		For Limestone, Deduct	-1.11
32 11 16 16-0009	SY	9" Crushed Aggregate Base Course For Roadways And Parking Areas	23.23
		For Up To 500, Add	6.13
		For >500 To 1,000, Add	2.32
		For >5,000 To 10,000, Deduct	-0.88
		For >10,000, Deduct	-1.51
		For Limestone, Deduct	-1.54
32 11 16 16-0010	SY	12" Crushed Aggregate Base Course For Roadways And Parking Areas	28.32
		For Up To 500, Add	7.22
		For >500 To 1,000, Add	2.83
		For >5,000 To 10,000, Deduct	-1.08
		For >10,000, Deduct	-1.84
		For Limestone, Deduct	-2.32

32 11 16 16-0011 Class II Base Courses By The SY (32 11 16 16-0001)

32 11 16 16-0012	SY	2" Class II Graded Crushed Aggregate Base Course	6.10
		For Up To 500, Add	1.55
		For >500 To 1,000, Add	0.61
		For >5,000 To 10,000, Deduct	-0.23
		For >10,000, Deduct	-0.40
32 11 16 16-0013	SY	4" Class II Crushed Aggregate Base Course	12.21
		For Up To 500, Add	3.11
		For >500 To 1,000, Add	1.22
		For >5,000 To 10,000, Deduct	-0.46
		For >10,000, Deduct	-0.79
32 11 16 16-0014	SY	6" Class II Crushed Aggregate Base Course	18.31
		For Up To 500, Add	4.66
		For >500 To 1,000, Add	1.83
		For >5,000 To 10,000, Deduct	-0.70
		For >10,000, Deduct	-1.19
32 11 16 16-0015	SY	9" Class II Crushed Aggregate Base Course	27.46
		For Up To 500, Add	6.99
		For >500 To 1,000, Add	2.75
		For >5,000 To 10,000, Deduct	-1.04
		For >10,000, Deduct	-1.78
32 11 16 16-0016	SY	12" Class II Crushed Aggregate Base Course	36.62
		For Up To 500, Add	9.32
		For >500 To 1,000, Add	3.66
		For >5,000 To 10,000, Deduct	-1.39
		For >10,000, Deduct	-2.38

32 11 23 Aggregate Base Courses (32 11)**32 11 23 16 Aggregate Base Courses (32 11 23)****32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)**

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.76
		For Up To 1,000, Add	0.21
		For >1,000 To 2,500, Add	0.08
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	1.07
		For Up To 1,000, Add	0.30
		For >1,000 To 2,500, Add	0.11
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.38
		For Up To 1,000, Add	0.38
		For >1,000 To 2,500, Add	0.14
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.79
		For Up To 1,000, Add	0.49
		For >1,000 To 2,500, Add	0.18
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	2.21
		For Up To 1,000, Add	0.61
		For >1,000 To 2,500, Add	0.22
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.54
		For Up To 1,000, Add	0.70
		For >1,000 To 2,500, Add	0.25
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.87
		For Up To 1,000, Add	0.79
		For >1,000 To 2,500, Add	0.29

32 11 26 Asphaltic Base Courses (32 11)**32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)****32 11 26 19-0001 Bituminous-Stabilized Base Courses (32 11 26 19)**

32 11 26 19-0002	CY	Bituminous Stabilized Base Course	111.47
		Note: 3/4" ASTM C33.	

32 12 Flexible Paving (32 10)**32 12 13 Preparatory Coats (32 12)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 13 13 Tack Coats (32 12 13)

32 12 13 13-0001	SY		Tack Coat, 0.04 Gallon/SY	0.65	
			For Up To 150, Add	0.12	
			For >150 To 300, Add	0.07	
			For >300 To 500, Add	0.03	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.04	
32 12 13 13-0002	SY		Tack Coat, 0.05 Gallon/SY	0.72	
			For Up To 150, Add	0.14	
			For >150 To 300, Add	0.07	
			For >300 To 500, Add	0.04	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.04	
32 12 13 13-0003	SY		Tack Coat, 0.07 Gallon/SY	0.85	
			For Up To 150, Add	0.17	
			For >150 To 300, Add	0.09	
			For >300 To 500, Add	0.04	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.05	
32 12 13 13-0004	SY		Tack Coat, 0.08 Gallon/SY	0.92	
			For Up To 150, Add	0.19	
			For >150 To 300, Add	0.09	
			For >300 To 500, Add	0.05	
			For >3,500 To 5,000, Deduct	-0.02	
			For >5,000, Deduct	-0.06	
32 12 13 13-0005	SY		Tack Coat, 0.10 Gallon/SY	1.06	
			For Up To 150, Add	0.23	
			For >150 To 300, Add	0.11	
			For >300 To 500, Add	0.05	
			For >3,500 To 5,000, Deduct	-0.03	
			For >5,000, Deduct	-0.07	
32 12 13 13-0006	SY		Tack Coat, 0.11 Gallon/SY	1.12	
			For Up To 150, Add	0.24	
			For >150 To 300, Add	0.11	
			For >300 To 500, Add	0.06	
			For >3,500 To 5,000, Deduct	-0.03	
			For >5,000, Deduct	-0.07	

32 12 13 19 Prime Coats (32 12 13)

32 12 13 19-0001	SY		Surface Prime Coat, 0.26 Gallon/SY	1.88	
			For Up To 150, Add	0.42	
			For >150 To 300, Add	0.19	
			For >300 To 500, Add	0.09	
			For >3,500 To 5,000, Deduct	-0.05	
			For >5,000, Deduct	-0.13	
32 12 13 19-0002	SY		Surface Prime Coat, 0.28 Gallon/SY	1.99	
			For Up To 150, Add	0.45	
			For >150 To 300, Add	0.20	
			For >300 To 500, Add	0.10	
			For >3,500 To 5,000, Deduct	-0.05	
			For >5,000, Deduct	-0.14	
32 12 13 19-0003	SY		Surface Prime Coat, 0.30 Gallon/SY	2.09	
			For Up To 150, Add	0.48	
			For >150 To 300, Add	0.21	
			For >300 To 500, Add	0.10	
			For >3,500 To 5,000, Deduct	-0.05	
			For >5,000, Deduct	-0.15	

32 12 16 Asphalt Paving (32 12)

32 12 16 13 Plant-Mix Asphalt Paving (32 12 16)

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) (32 12 16 13)

Note: S (3/4") aggregate gradation

32 12 16 13-0002	TON		Bituminous Hot Mix Intermediate Binder Course 3,954 Lb./CY	153.21	
			Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
			For Warm Mix Additive, Add	7.73	
			For Up To 25, Add	21.49	
			For >25 To 50, Add	11.95	
			For >500 To 1,000, Deduct	-6.45	
			For >1,000 To 2,500, Deduct	-11.71	
			For >2,500 To 5,000, Deduct	-18.16	
			For >5,000, Deduct	-26.05	
32 12 16 13-0003	SY		1" Thick Bituminous Hot Mix Intermediate Binder Course	8.70	
			Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 1,000, Add	1.26	
			For >1,000 To 2,000, Add	0.71	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000 To 50,000, Deduct	-0.67	
			For >50,000 To 100,000, Deduct	-1.04	
			For >100,000, Deduct	-1.50	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 12 16 13-0004	SY	1-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	12.90	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 700, Add	1.85	
		For >700 To 1,400, Add	1.03	
		For >7,000 To 14,000, Deduct	-0.55	
		For >14,000 To 32,000, Deduct	-1.01	
		For >32,000 To 64,000, Deduct	-1.56	
		For >64,000, Deduct	-2.24	
32 12 16 13-0005	SY	2" Thick Bituminous Hot Mix Intermediate Binder Course	16.65	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 500, Add	2.31	
		For >500 To 1,000, Add	1.28	
		For >5,000 To 10,000, Deduct	-0.72	
		For >10,000 To 24,000, Deduct	-1.32	
		For >24,000 To 48,000, Deduct	-2.04	
		For >48,000, Deduct	-2.94	
32 12 16 13-0006	SY	2-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	21.03	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 400, Add	2.95	
		For >400 To 800, Add	1.64	
		For >4,000 To 8,000, Deduct	-0.91	
		For >8,000 To 20,000, Deduct	-1.66	
		For >20,000 To 40,000, Deduct	-2.57	
		For >40,000, Deduct	-3.69	
32 12 16 13-0007	SY	3" Thick Bituminous Hot Mix Intermediate Binder Course	25.24	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 340, Add	3.54	
		For >340 To 680, Add	2.95	
		For >3,400 To 6,800, Deduct	-1.09	
		For >6,800 To 17,000, Deduct	-1.99	
		For >17,000 To 34,000, Deduct	-3.08	
		For >34,000, Deduct	-4.43	
32 12 16 13-0008	SY	3-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	29.44	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 280, Add	4.13	
		For >280 To 560, Add	2.30	
		For >2,800 To 5,600, Deduct	-1.27	
		For >5,600 To 14,000, Deduct	-2.32	
		For >14,000 To 28,000, Deduct	-3.59	
		For >28,000, Deduct	-5.16	
32 12 16 13-0009	SY	4" Thick Bituminous Hot Mix Intermediate Binder Course	33.65	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 250, Add	4.72	
		For >250 To 500, Add	2.62	
		For >2,500 To 5,000, Deduct	-1.46	
		For >5,000 To 12,000, Deduct	-2.65	
		For >12,000 To 24,000, Deduct	-4.11	
		For >24,000, Deduct	-5.90	
32 12 16 13-0010	SY	5" Thick Bituminous Hot Mix Intermediate Binder Course	42.07	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 200, Add	5.90	
		For >200 To 400, Add	3.28	
		For >2,000 To 4,000, Deduct	-1.82	
		For >4,000 To 10,000, Deduct	-3.32	
		For >10,000 To 20,000, Deduct	-5.14	
		For >20,000, Deduct	-7.38	
32 12 16 13-0011	SY	6" Thick Bituminous Hot Mix Intermediate Binder Course	50.48	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 160, Add	7.08	
		For >160 To 320, Add	3.94	
		For >1,600 To 3,200, Deduct	-2.19	
		For >3,200 To 8,000, Deduct	-3.98	
		For >8,000 To 16,000, Deduct	-6.16	
		For >16,000, Deduct	-8.85	

32 12 16 13-0012 Surface Wearing Courses, Hot Mix Asphalt (HMA)
(32 12 16 13)

Note: SX (1/2") aggregate gradation

32 12 16 13-0013	TON	Bituminous Hot Mix Surface Wearing Course 3,774 Lb./CY	156.34	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For PG64-10 Asphalt, Add	8.51	
		For Warm Mix Additive, Add	7.38	
		For Up To 25, Add	23.35	
		For >25 To 50, Add	13.17	
		For >500 To 1,000, Deduct	-6.30	
		For >1,000 To 2,500, Deduct	-11.47	
		For >2,500 To 5,000, Deduct	-17.77	
		For >5,000, Deduct	-25.52	
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR)	173.70	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	8.04	
		For Up To 25, Add	26.37	
		For >25 To 50, Add	14.94	
		For >500 To 1,000, Deduct	-6.92	
		For >1,000 To 2,500, Deduct	-12.60	
		For >2,500 To 5,000, Deduct	-19.52	
		For >5,000, Deduct	-28.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0015	TON		Asphalt Rubberized Hot Mix (ARHM) Surface Course.....	185.05	
			Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
			For Warm Mix Additive, Add	8.78	
			For Up To 25, Add	27.51	
			For >25 To 50, Add	15.50	
			For >500 To 1,000, Deduct	-7.49	
			For >1,000 To 2,500, Deduct	-13.62	
			For >2,500 To 5,000, Deduct	-21.11	
			For >5,000, Deduct	-30.31	
32 12 16 13-0016	SY		1" Thick Bituminous Hot Mix Surface Wearing Course	8.53	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	0.45	
			For Up To 1,000, Add	1.32	
			For >1,000 To 2,000, Add	0.75	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000 To 50,000, Deduct	-0.64	
			For >50,000 To 100,000, Deduct	-0.99	
			For >100,000, Deduct	-1.42	
32 12 16 13-0017	SY		1-1/2" Thick Bituminous Hot Mix Surface Wearing Course	12.63	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	0.67	
			For Up To 700, Add	1.93	
			For >700 To 1,400, Add	1.10	
			For >7,000 To 14,000, Deduct	-0.52	
			For >14,000 To 32,000, Deduct	-0.95	
			For >32,000 To 64,000, Deduct	-1.47	
			For >64,000, Deduct	-2.12	
32 12 16 13-0018	SY		2" Thick Bituminous Hot Mix Surface Wearing Course	16.18	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	0.89	
			For Up To 500, Add	2.39	
			For >500 To 1,000, Add	1.34	
			For >5,000 To 10,000, Deduct	-0.68	
			For >10,000 To 24,000, Deduct	-1.24	
			For >24,000 To 48,000, Deduct	-1.92	
			For >48,000, Deduct	-2.77	
32 12 16 13-0019	SY		2-1/2" Thick Bituminous Hot Mix Surface Wearing Course	20.49	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	1.12	
			For Up To 400, Add	3.06	
			For >400 To 800, Add	1.73	
			For >4,000 To 8,000, Deduct	-0.86	
			For >8,000 To 20,000, Deduct	-1.56	
			For >20,000 To 40,000, Deduct	-2.42	
			For >40,000, Deduct	-3.48	
32 12 16 13-0020	SY		3" Thick Bituminous Hot Mix Surface Wearing Course	24.59	
			Note: Includes placement, rolling, finishing and sweeping.		
			For PG64-10 Asphalt, Add	1.34	
			For Up To 340, Add	3.67	
			For >340 To 680, Add	2.96	
			For >3,400 To 6,800, Deduct	-1.03	
			For >6,800 To 17,000, Deduct	-1.88	
			For >17,000 To 34,000, Deduct	-2.90	
			For >34,000, Deduct	-4.18	
32 12 16 13-0021	CSF		Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....	98.90	
32 12 16 13-0022			Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)		
32 12 16 13-0023	TON		Hand Placed Hot Mixed Asphalt 3,954 Lb./CY	396.96	
			Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
32 12 16 19			Cold-Mix Asphalt Paving (32 12 16)		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001			Cold Mix Asphalt (CMA) Pavement (32 12 16 19)		
			Note: 0.5 Gal asphalt/SY per inch depth; well-graded granular aggregate.		
32 12 16 19-0002	SY		Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	13.77	
32 12 16 19-0003	SY		Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	13.37	
32 12 16 19-0004	SY		Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	21.14	
32 12 16 39			Paving Fabrics (32 12 16)		
			See CSI section 31 32 19 16-0000 for geotextile fabric.		
32 12 16 39-0001			Geotextile Paving Fabrics (32 12 16 39)		
32 12 16 39-0002	SY		3.6 Ounce/SY, 90 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	1.96	
			For Up To 50, Add	0.44	
			For >50 To 150, Add	0.32	
			For >150 To 250, Add	0.21	
			For >250 To 500, Add	0.11	
32 12 16 39-0003	SY		4.1 Ounce/SY, 101 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	2.11	
			For Up To 50, Add	0.47	
			For >50 To 150, Add	0.35	
			For >150 To 250, Add	0.23	
			For >250 To 500, Add	0.11	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 12 16 43 Waterproofing Membranes (32 12 16)**32 12 16 43-0001 Waterproofing Membranes (32 12 16 43)**

32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane	37.95
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	28.29
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane	17.32

32 12 33 Flexible Paving Surface Treatments (32 12)**32 12 33 00-0001 Bituminous Surface Treatment For Roadways (32 12 33)**

Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.

32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	3.30
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	5.97

32 12 33 00-0004 Bituminous Surface Treatment For Trails (32 12 33)

Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.

32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	2.22
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32 12 36 Seal Coats (32 12)

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 13 Asphaltic Seal and Fog Coats (32 12 36)**32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13)**

Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.

32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0003	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.43
		For Each Additional 0.5% Latex Additive, Add	0.63
32 12 36 13-0004	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.91
		For Each Additional 0.5% Latex Additive, Add	0.63
32 12 36 13-0005	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.69
		For Each Additional 0.5% Latex Additive, Add	0.63
32 12 36 13-0006	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.43
		For Each Additional 0.5% Latex Additive, Add	0.63
32 12 36 13-0007	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.29
		For Each Additional 0.5% Latex Additive, Add	0.63
32 12 36 13-0008	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.17
		For Each Additional 0.5% Latex Additive, Add	0.63
32 12 36 13-0009	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.04
		For Each Additional 0.5% Latex Additive, Add	0.63
32 12 36 13-0010	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.96
		For Each Additional 0.5% Latex Additive, Add	0.63

32 12 36 13-0011 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 13-0012	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.33
		For Each Additional 0.5% Latex Additive, Add	0.78
32 12 36 13-0013	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.74
		For Each Additional 0.5% Latex Additive, Add	0.78
32 12 36 13-0014	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.46
		For Each Additional 0.5% Latex Additive, Add	0.78
32 12 36 13-0015	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.30
		For Each Additional 0.5% Latex Additive, Add	0.78
32 12 36 13-0016	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.98
		For Each Additional 0.5% Latex Additive, Add	0.78
32 12 36 13-0017	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.79
		For Each Additional 0.5% Latex Additive, Add	0.78
32 12 36 13-0018	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.62
		For Each Additional 0.5% Latex Additive, Add	0.78
32 12 36 13-0019	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.53
		For Each Additional 0.5% Latex Additive, Add	0.78

32 12 36 13-0020 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) (32 12 36 13-0001)

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0021	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.14
		For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0022	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.49
		For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0023	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.16
		For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0024	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.79
		For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0025	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.59
		For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0026	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.30
		For Each Additional 0.5% Latex Additive, Add	0.93
32 12 36 13-0027	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.11
		For Each Additional 0.5% Latex Additive, Add	0.93

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0028	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.01	
		For Each Additional 0.5% Latex Additive, Add	0.93	
32 12 36 13-0029 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)				
		(32 12 36 13-0001) Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0030	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.21	
		For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0031	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.55	
		For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0032	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.23	
		For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0033	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.86	
		For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0034	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.66	
		For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0035	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.47	
		For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0036	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.20	
		For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0037	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.09	
		For Each Additional 0.5% Latex Additive, Add	1.07	
32 12 36 13-0038 Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)				
		(32 12 36 13-0001) Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0039	SY	Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	10.90	
		For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0040	SY	>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	10.04	
		For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0041	SY	>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.56	
		For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0042	SY	>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.00	
		For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0043	SY	>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.71	
		For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0044	SY	>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.35	
		For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0045	SY	>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.06	
		For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0046	SY	>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.93	
		For Each Additional 0.5% Latex Additive, Add	1.54	
32 12 36 13-0047 Asphalt Emulsion Seal Coat (Scrub Seal)				
		(32 12 36 13) Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal.		
32 12 36 13-0048 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)				
		(32 12 36 13-0047) Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0049	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.94	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0050	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.64	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0051	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.43	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0052	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.21	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0053	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.09	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0054	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.99	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0055	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.88	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0056	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.83	
		For Each Additional 0.5% Latex Additive, Add	0.63	
32 12 36 13-0057 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)				
		(32 12 36 13-0047) Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0058	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.86	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0059	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.51	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0060	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.28	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0061	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.11	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0062	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.79	
		For Each Additional 0.5% Latex Additive, Add	0.78	
32 12 36 13-0063	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.61	
		For Each Additional 0.5% Latex Additive, Add	0.78	

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32 12 36 13-0064	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.46
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.78
32 12 36 13-0065	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.40
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.78

32 12 36 13-0066 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)
(32 12 36 13-0047)

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0067	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.72
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.93
32 12 36 13-0068	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.28
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.93
32 12 36 13-0069	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.96
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.93
32 12 36 13-0070	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.60
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.93
32 12 36 13-0071	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.41
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.93
32 12 36 13-0072	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.13
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.93
32 12 36 13-0073	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.95
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.93
32 12 36 13-0074	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.88
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.93

32 12 36 13-0075 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)
(32 12 36 13-0047)

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0076	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.80
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.07
32 12 36 13-0077	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.36
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.07
32 12 36 13-0078	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.03
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.07
32 12 36 13-0079	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.66
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.07
32 12 36 13-0080	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.47
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.07
32 12 36 13-0081	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.30
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.07
32 12 36 13-0082	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.03
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.07
32 12 36 13-0083	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.97
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.07

32 12 36 13-0084 Fog Seal, CQS-1h
(32 12 36 13)

Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.

32 12 36 13-0085	SY	Up To 200 SY, CQS-1h, Fog Seal.....	2.00
32 12 36 13-0086	SY	>200 To 500 SY, CQS-1h, Fog Seal.....	1.46
32 12 36 13-0087	SY	>500 To 1,000 SY, CQS-1h, Fog Seal.....	1.25
32 12 36 13-0088	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal.....	1.08
32 12 36 13-0089	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal.....	0.98
32 12 36 13-0090	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal.....	0.91
32 12 36 13-0091	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal.....	0.85
32 12 36 13-0092	SY	>50,000 SY, CQS-1h, Fog Seal.....	0.82

32 12 36 13-0093 Sand Sealer
(32 12 36 13)

Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.

32 12 36 13-0094	SY	Up To 200 SY, Sand Seal.....	3.02
32 12 36 13-0095	SY	>200 To 500 SY, Sand Seal.....	2.02
32 12 36 13-0096	SY	>500 To 1,000 SY, Sand Seal.....	1.99
32 12 36 13-0097	SY	>1,000 To 5,000 SY, Sand Seal.....	1.76
32 12 36 13-0098	SY	>5,000 To 10,000 SY, Sand Seal.....	1.65
32 12 36 13-0099	SY	>10,000 To 20,000 SY, Sand Seal.....	1.54
32 12 36 13-0100	SY	>20,000 To 50,000 SY, Sand Seal.....	1.46
32 12 36 13-0101	SY	>50,000 SY, Sand Seal.....	1.44

32 12 36 16 Coal Tar Seal Coats
(32 12 36)
32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal
(32 12 36 16)

Note: Includes sweeping and cleaning of area.

32 12 36 16-0002	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	17.30
32 12 36 16-0003	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	16.32
32 12 36 16-0004	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	14.40
32 12 36 16-0005	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	12.95
32 12 36 16-0006	SY	>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	11.04
32 12 36 16-0007	SY	>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	9.10
32 12 36 16-0008	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	21.12
32 12 36 16-0009	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	20.00
32 12 36 16-0010	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	17.69

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32 12 36 16-0011	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	15.98	
32 12 36 16-0012	SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	13.67	
32 12 36 16-0013	SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	11.34	

32 12 43 Porous Flexible Paving (32 12)

32 12 43 00-0001 Flexible Recycled Plastic Porous Grid (32 12 43)

Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	40.99	
		Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod. Invisible Structures, Inc.; Grasspave2.		
		For Up To 100, Add	13.75	
		For >100 To 500, Add	3.45	
		For >1,000 To 5,000, Deduct	-1.40	
		For >5,000, Deduct	-2.91	

32 12 73 Asphalt Paving Joint Sealants (32 12)

32 12 73 00-0001 Expansion Joint In Sidewalk (32 12 73)

32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.71	
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32 13 Rigid Paving (32 10)

32 13 13 Concrete Paving (32 13)

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving (32 13 13)

32 13 13 33-0001 Concrete Paving Assemblies (32 13 13 33)

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly (32 13 13 33-0001)

32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	64.81	
		For 2,500 PSI Concrete, Deduct	-3.87	
		For 3,000 PSI Concrete, Deduct	-2.52	
		For 3,500 PSI Concrete, Deduct	-2.02	
		For 4,000 PSI Concrete, Deduct	-0.87	
		For 5,000 PSI Concrete, Add	0.54	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.37	
		For <12' Wide Pass, Add	11.16	
		For 24' Or Greater Wide Pass, Deduct	-12.96	
		For Air Entrainment, Add	1.68	
		For Slipforming, Deduct	-6.48	
		For Up To 100, Add	25.44	
		For >100 To 250, Add	14.40	
		For >250 To 500, Add	7.20	
		For >1,000 To 2,000, Deduct	-1.68	
		For >2,000 To 5,000, Deduct	-3.30	
		For >5,000 To 10,000, Deduct	-4.92	
		For >10,000 To 20,000, Deduct	-6.54	
		For >20,000, Deduct	-8.16	
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	76.86	
		For 2,500 PSI Concrete, Deduct	-4.85	
		For 3,000 PSI Concrete, Deduct	-3.17	
		For 3,500 PSI Concrete, Deduct	-2.53	
		For 4,000 PSI Concrete, Deduct	-1.10	
		For 5,000 PSI Concrete, Add	0.68	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.49	
		For <12' Wide Pass, Add	12.89	
		For 24' Or Greater Wide Pass, Deduct	-15.37	
		For Air Entrainment, Add	2.11	
		For Slipforming, Deduct	-7.69	
		For Up To 100, Add	29.24	
		For >100 To 250, Add	16.73	
		For >250 To 500, Add	8.36	
		For >1,000 To 2,000, Deduct	-2.11	
		For >2,000 To 5,000, Deduct	-4.03	
		For >5,000 To 10,000, Deduct	-5.95	
		For >10,000 To 20,000, Deduct	-7.87	
		For >20,000, Deduct	-9.80	

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32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	82.06	
		For 2,500 PSI Concrete, Deduct	-5.12	
		For 3,000 PSI Concrete, Deduct	-3.34	
		For 3,500 PSI Concrete, Deduct	-2.67	
		For 4,000 PSI Concrete, Deduct	-1.16	
		For 5,000 PSI Concrete, Add	0.71	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.79	
		For <12' Wide Pass, Add	13.84	
		For 24' Or Greater Wide Pass, Deduct	-16.41	
		For Air Entrainment, Add	2.23	
		For Slipforming, Deduct	-8.21	
		For Up To 100, Add	31.43	
		For >100 To 250, Add	17.94	
		For >250 To 500, Add	8.97	
		For >1,000 To 2,000, Deduct	-2.23	
		For >2,000 To 5,000, Deduct	-4.28	
		For >5,000 To 10,000, Deduct	-6.33	
		For >10,000 To 20,000, Deduct	-8.38	
		For >20,000, Deduct	-10.43	
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	97.72	
		For 2,500 PSI Concrete, Deduct	-6.45	
		For 3,000 PSI Concrete, Deduct	-4.21	
		For 3,500 PSI Concrete, Deduct	-3.37	
		For 4,000 PSI Concrete, Deduct	-1.46	
		For 5,000 PSI Concrete, Add	0.90	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.30	
		For <12' Wide Pass, Add	16.01	
		For 24' Or Greater Wide Pass, Deduct	-19.54	
		For Air Entrainment, Add	2.81	
		For Slipforming, Deduct	-9.77	
		For Up To 100, Add	36.18	
		For >100 To 250, Add	20.90	
		For >250 To 500, Add	10.45	
		For >1,000 To 2,000, Deduct	-2.81	
		For >2,000 To 5,000, Deduct	-5.25	
		For >5,000 To 10,000, Deduct	-7.69	
		For >10,000 To 20,000, Deduct	-10.14	
		For >20,000, Deduct	-12.58	
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	111.52	
		For 2,500 PSI Concrete, Deduct	-7.09	
		For 3,000 PSI Concrete, Deduct	-4.62	
		For 3,500 PSI Concrete, Deduct	-3.70	
		For 4,000 PSI Concrete, Deduct	-1.60	
		For 5,000 PSI Concrete, Add	0.99	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	8.01	
		For <12' Wide Pass, Add	18.64	
		For 24' Or Greater Wide Pass, Deduct	-22.30	
		For Air Entrainment, Add	3.08	
		For Slipforming, Deduct	-11.15	
		For Up To 100, Add	42.27	
		For >100 To 250, Add	24.21	
		For >250 To 500, Add	12.11	
		For >1,000 To 2,000, Deduct	-3.08	
		For >2,000 To 5,000, Deduct	-5.87	
		For >5,000 To 10,000, Deduct	-8.66	
		For >10,000 To 20,000, Deduct	-11.44	
		For >20,000, Deduct	-14.23	
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	126.30	
		For 2,500 PSI Concrete, Deduct	-8.19	
		For 3,000 PSI Concrete, Deduct	-5.34	
		For 3,500 PSI Concrete, Deduct	-4.27	
		For 4,000 PSI Concrete, Deduct	-1.85	
		For 5,000 PSI Concrete, Add	1.14	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	9.25	
		For <12' Wide Pass, Add	20.90	
		For 24' Or Greater Wide Pass, Deduct	-25.26	
		For Air Entrainment, Add	3.56	
		For Slipforming, Deduct	-12.63	
		For Up To 100, Add	47.30	
		For >100 To 250, Add	27.21	
		For >250 To 500, Add	13.61	
		For >1,000 To 2,000, Deduct	-3.56	
		For >2,000 To 5,000, Deduct	-6.72	
		For >5,000 To 10,000, Deduct	-9.87	
		For >10,000 To 20,000, Deduct	-13.03	
		For >20,000, Deduct	-16.19	

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32 13 13 33-0009	SY	10"	4,500 PSI Concrete Paving Assembly.....	140.70	
			For 2,500 PSI Concrete, Deduct	-9.01	
			For 3,000 PSI Concrete, Deduct	-5.87	
			For 3,500 PSI Concrete, Deduct	-4.70	
			For 4,000 PSI Concrete, Deduct	-2.04	
			For 5,000 PSI Concrete, Add	1.25	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	10.18	
			For <12' Wide Pass, Add	23.43	
			For 24' Or Greater Wide Pass, Deduct	-28.14	
			For Air Entrainment, Add	3.92	
			For Slipforming, Deduct	-14.07	
			For Up To 100, Add	53.10	
			For >100 To 250, Add	30.46	
			For >250 To 500, Add	15.23	
			For >1,000 To 2,000, Deduct	-3.92	
			For >2,000 To 5,000, Deduct	-7.43	
			For >5,000 To 10,000, Deduct	-10.95	
			For >10,000 To 20,000, Deduct	-14.47	
			For >20,000, Deduct	-17.99	
32 13 13 33-0010	SY	12"	4,500 PSI Concrete Paving Assembly.....	167.60	
			For 2,500 PSI Concrete, Deduct	-10.66	
			For 3,000 PSI Concrete, Deduct	-6.95	
			For 3,500 PSI Concrete, Deduct	-5.56	
			For 4,000 PSI Concrete, Deduct	-2.41	
			For 5,000 PSI Concrete, Add	1.48	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.05	
			For <12' Wide Pass, Add	27.99	
			For 24' Or Greater Wide Pass, Deduct	-33.52	
			For Air Entrainment, Add	4.64	
			For Slipforming, Deduct	-16.76	
			For Up To 100, Add	63.47	
			For >100 To 250, Add	36.37	
			For >250 To 500, Add	18.19	
			For >1,000 To 2,000, Deduct	-4.64	
			For >2,000 To 5,000, Deduct	-8.83	
			For >5,000 To 10,000, Deduct	-13.02	
			For >10,000 To 20,000, Deduct	-17.21	
			For >20,000, Deduct	-21.40	
32 13 13 33-0011	SY	15"	4,500 PSI Concrete Paving Assembly.....	213.24	
			For 2,500 PSI Concrete, Deduct	-13.10	
			For 3,000 PSI Concrete, Deduct	-8.54	
			For 3,500 PSI Concrete, Deduct	-6.83	
			For 4,000 PSI Concrete, Deduct	-2.96	
			For 5,000 PSI Concrete, Add	1.82	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	14.80	
			For <12' Wide Pass, Add	36.23	
			For 24' Or Greater Wide Pass, Deduct	-42.65	
			For Air Entrainment, Add	5.69	
			For Slipforming, Deduct	-21.32	
			For Up To 100, Add	82.39	
			For >100 To 250, Add	46.89	
			For >250 To 500, Add	23.45	
			For >1,000 To 2,000, Deduct	-5.69	
			For >2,000 To 5,000, Deduct	-11.03	
			For >5,000 To 10,000, Deduct	-16.36	
			For >10,000 To 20,000, Deduct	-21.69	
			For >20,000, Deduct	-27.02	
32 13 16 Decorative Concrete Paving (32 13)					
32 13 16 13 Patterned Concrete Paving (32 13 16)					
32 13 16 13-0001	SF		For Patterned (Tactile) Finish In Concrete Sidewalk.....	5.50	
32 13 43 Pervious Concrete Paving (32 13)					
32 13 43 00-0001			Pervious Concrete Assemblies (32 13 43)		
			Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.		
32 13 43 00-0002	SF	6"	Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....	18.58	
			Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
			For >5,000 To 30,000, Deduct	-1.98	
			For >30,000 To 100,000, Deduct	-3.61	
			For >100,000, Deduct	-4.49	
32 13 43 00-0003	SF	9"	Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....	23.63	
			Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
			For >5,000 To 30,000, Deduct	-2.44	
			For >30,000 To 100,000, Deduct	-4.38	
			For >100,000, Deduct	-5.44	
32 13 73 Concrete Paving Joint Sealants (32 13)					
32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)					
32 13 73 13-0001			Concrete Pavement Joint And Crack Repair (32 13 73 13)		
			Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002			Silicone Concrete Pavement Joint And Crack Repair (32 13 73 13-0001)		

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32 13 73 13-0003	CLF 1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	635.96	
	For Custom Match Coloring, Add	20.74	
	For 1 Part Mildew Resistant, Add	30.25	
	For High-Modulus Non-Acid Curing, Add	17.29	
32 13 73 13-0004	CLF 1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	715.82	
	For Custom Match Coloring, Add	31.12	
	For 1 Part Mildew Resistant, Add	45.38	
	For High-Modulus Non-Acid Curing, Add	25.93	
32 13 73 13-0005	CLF 1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	795.66	
	For Custom Match Coloring, Add	41.49	
	For 1 Part Mildew Resistant, Add	60.50	
	For High-Modulus Non-Acid Curing, Add	34.57	
32 13 73 13-0006	CLF 3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	817.27	
	For Custom Match Coloring, Add	46.67	
	For 1 Part Mildew Resistant, Add	68.06	
	For High-Modulus Non-Acid Curing, Add	38.89	
32 13 73 13-0007	CLF 3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	900.41	
	For Custom Match Coloring, Add	62.23	
	For 1 Part Mildew Resistant, Add	90.75	
	For High-Modulus Non-Acid Curing, Add	51.86	
32 13 73 13-0008	CLF 3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	983.55	
	For Custom Match Coloring, Add	77.79	
	For 1 Part Mildew Resistant, Add	113.44	
	For High-Modulus Non-Acid Curing, Add	64.82	
32 13 73 13-0009	CLF 3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,085.01	
	For Custom Match Coloring, Add	93.35	
	For 1 Part Mildew Resistant, Add	136.13	
	For High-Modulus Non-Acid Curing, Add	77.79	
32 13 73 13-0010	CLF 1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,005.16	
	For Custom Match Coloring, Add	82.97	
	For 1 Part Mildew Resistant, Add	121.00	
	For High-Modulus Non-Acid Curing, Add	69.14	
32 13 73 13-0011	CLF 1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,164.86	
	For Custom Match Coloring, Add	103.72	
	For 1 Part Mildew Resistant, Add	151.25	
	For High-Modulus Non-Acid Curing, Add	86.43	
32 13 73 13-0012	CLF 1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,287.92	
	For Custom Match Coloring, Add	124.46	
	For 1 Part Mildew Resistant, Add	181.50	
	For High-Modulus Non-Acid Curing, Add	103.72	
32 13 73 13-0013	CLF 1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,411.00	
	For Custom Match Coloring, Add	145.20	
	For 1 Part Mildew Resistant, Add	211.75	
	For High-Modulus Non-Acid Curing, Add	121.00	
32 13 73 13-0014	CLF 1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,515.74	
	For Custom Match Coloring, Add	165.95	
	For 1 Part Mildew Resistant, Add	242.00	
	For High-Modulus Non-Acid Curing, Add	138.29	
32 13 73 13-0015	CLF 3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,620.49	
	For Custom Match Coloring, Add	186.69	
	For 1 Part Mildew Resistant, Add	272.25	
	For High-Modulus Non-Acid Curing, Add	155.57	
32 13 73 13-0016	CLF 3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,959.64	
	For Custom Match Coloring, Add	259.29	
	For 1 Part Mildew Resistant, Add	378.13	
	For High-Modulus Non-Acid Curing, Add	216.08	
32 13 73 13-0017	CLF 1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	2,298.77	
	For Custom Match Coloring, Add	331.89	
	For 1 Part Mildew Resistant, Add	484.01	
	For High-Modulus Non-Acid Curing, Add	276.58	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)

32 13 73 16-0001	Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)		
	Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF Joint Sealing, Concrete Pavement Preformed Elastomeric	14.21	

32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)

32 13 73 19-0001	Silicone Joint Sealant For Concrete Pavement (32 13 73 19)		
	Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	11.75	2.69
32 13 73 19-0003	LF 3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.42	2.75
32 13 73 19-0004	LF 1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	13.33	2.80
32 13 73 19-0005	LF 3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	16.38	2.86
32 13 73 19-0006	LF 1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	19.49	2.91
32 13 73 19-0007	LF 1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	25.58	2.97
32 13 73 19-0008	LF 2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	39.23	3.03

32 14 Unit Paving (32 10)**32 14 09 Paver Restraints (32 14)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

32 14 09 00-0001 Paver Restraints (32 14 09)

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint.....	5.26	1.17
		For >1,000 To 2,000, Deduct	-0.75	
		For >2,000 To 4,000, Deduct	-1.09	
		For >4,000, Deduct	-1.39	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint.....	5.71	1.17
		For >500 To 1,000, Deduct	-0.19	
		For >1,000 To 2,000, Deduct	-0.39	
		For >2,000, Deduct	-0.58	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint.....	5.49	1.17
		For >250 To 500, Deduct	-0.36	
		For >500 To 1,000, Deduct	-0.54	
		For >1,000 To 1,500, Deduct	-0.91	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint.....	6.50	1.17
		For >250 To 500, Deduct	-0.46	
		For >500 To 1,000, Deduct	-0.70	
		For >1,000 To 1,500, Deduct	-1.16	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint.....	8.46	1.17
		For >250 To 500, Deduct	-0.66	
		For >500 To 1,000, Deduct	-0.99	
		For >1,000 To 1,500, Deduct	-1.65	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint.....	9.96	1.17
		For >250 To 500, Deduct	-0.81	
		For >500 To 1,000, Deduct	-1.22	
		For >1,000 To 1,500, Deduct	-2.03	

32 14 11 Bedding for Unit Paving (32 14)

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Screeded Sand Bedding.....	1.10	
		For Up To 100, Add	0.50	
		For >100 To 500, Add	0.14	
		For >1,000 To 5,000, Deduct	-0.09	
		For >5,000, Deduct	-0.14	
32 14 11 00-0003	SF	1" To 2" Screeded Stone Dust Bedding.....	1.27	
		For Up To 100, Add	0.54	
		For >100 To 500, Add	0.15	
		For >1,000 To 5,000, Deduct	-0.09	
		For >5,000, Deduct	-0.14	
32 14 11 00-0004	SF	3" Screeded Stone Dust Bedding.....	1.62	
		For Up To 100, Add	0.67	
		For >100 To 500, Add	0.19	
		For >1,000 To 5,000, Deduct	-0.11	
		For >5,000, Deduct	-0.17	
32 14 11 00-0005	SF	4" Screeded Stone Dust Bedding.....	2.05	
		For Up To 100, Add	0.84	
		For >100 To 500, Add	0.23	
		For >1,000 To 5,000, Deduct	-0.13	
		For >5,000, Deduct	-0.22	
32 14 11 00-0006	SF	1" Mortar Bedding.....	3.62	
		For Up To 100, Add	1.64	
		For >100 To 500, Add	0.47	
		For >1,000 To 5,000, Deduct	-0.29	
		For >5,000, Deduct	-0.46	
32 14 11 00-0007	SF	2" Mortar Bedding.....	5.30	
		For Up To 100, Add	2.30	
		For >100 To 500, Add	0.65	
		For >1,000 To 5,000, Deduct	-0.39	
		For >5,000, Deduct	-0.63	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar.....	1.81	
		For Up To 100, Add	0.84	
		For >100 To 500, Add	0.25	
		For >1,000 To 5,000, Deduct	-0.16	
		For >5,000, Deduct	-0.24	

32 14 13 Precast Concrete Unit Paving (32 14)

32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)

32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 Sl Precast Concrete Paver.....	12.99	3.64
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	1.22	
		For 3-1/8" Concrete Paver, Add	1.97	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.01	
		For Up To 100, Add	5.07	
		For >100 To 500, Add	1.38	
		For >1,000 To 5,000, Deduct	-0.73	
		For >5,000, Deduct	-1.26	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	12.33	3.32
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	1.19	
		For 3-1/8" Concrete Paver, Add	1.92	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.95	
		For Up To 100, Add	4.74	
		For >100 To 500, Add	1.28	
		For >1,000 To 5,000, Deduct	-0.66	
		For >5,000, Deduct	-1.17	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver.....	11.72	2.63
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	1.16	
		For 3-1/8" Concrete Paver, Add	1.88	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.89	
		For Up To 100, Add	4.44	
		For >100 To 500, Add	1.19	
		For >1,000 To 5,000, Deduct	-0.60	
		For >5,000, Deduct	-1.07	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver	11.18	2.74
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	1.13	
		For 3-1/8" Concrete Paver, Add	1.84	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.83	
		For Up To 100, Add	4.17	
		For >100 To 500, Add	1.11	
		For >1,000 To 5,000, Deduct	-0.55	
		For >5,000, Deduct	-0.99	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	12.02	3.15
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	1.17	
		For 3-1/8" Concrete Paver, Add	1.90	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.92	
		For Up To 100, Add	4.59	
		For >100 To 500, Add	1.23	
		For >1,000 To 5,000, Deduct	-0.63	
		For >5,000, Deduct	-1.12	

32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)

32 14 13 19-0001		Turf Block (32 14 13 19)		
		Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	13.19	3.15
		For Up To 100, Add	4.88	
		For >100 To 500, Add	1.29	
		For >1,000 To 5,000, Deduct	-0.63	
		For >5,000, Deduct	-1.15	

32 14 16 Brick Unit Paving (32 14)

32 14 16 00-0001		Brick Paver Sidewalk (32 14 16)		
		Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	16.32	3.64
		For 1-3/8" Thick Paver, Deduct	-3.53	
		For 2-3/4" Thick Paver (Vehicular), Add	8.07	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.18	
		For Up To 100, Add	5.90	
		For >100 To 500, Add	1.55	
		For >1,000 To 5,000, Deduct	-0.73	
		For >5,000, Deduct	-1.36	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	24.35	4.15
		For 1-3/8" Thick Paver, Deduct	-6.04	
		For 2-3/4" Thick Paver (Vehicular), Add	14.12	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.63	
		For Up To 100, Add	8.16	
		For >100 To 500, Add	2.05	
		For >1,000 To 5,000, Deduct	-0.83	
		For >5,000, Deduct	-1.73	

32 14 33 Plastic Paving (32 14)**32 14 33 13 Permeable Plastic Paving** (32 14 33)

32 14 33 13-0001		Turf Block Plastic Paving (32 14 33 13)		
32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	19.95	3.15
		For Up To 100, Add	6.57	
		For >100 To 500, Add	1.63	
		For >1,000 To 5,000, Deduct	-0.63	
		For >5,000, Deduct	-1.36	

32 14 40 Stone Paving (32 14)

32 14 40 00-0001		Slate Paver Sidewalk (32 14 40)		
		Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0002	SF		1" Thick, Up to 54 SI Slate Paver Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct	16.80 1.14 5.71 1.44 -0.60 -1.23 -8.40 -5.86	3.02
32 14 40 00-0003	SF		1" Thick, >54 to 108 SI Slate Paver Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct	16.26 1.09 5.44 1.36 -0.55 -1.15 -8.27 -5.78	2.74
32 14 40 00-0004	SF		1" Thick, >108 to 216 SI Slate Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct	15.31 0.99 4.96 1.22 -0.45 -1.00 -8.03 -5.64	2.26
32 14 40 00-0005	SF		1" Thick, >216 SI Slate Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct	14.90 0.95 4.76 1.16 -0.41 -0.94 -7.93 -5.58	2.06
32 14 40 00-0006	SF		1" Thick, Slate Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. For Cement/Sand Mix Or Polymeric Sand Joints, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct	15.74 1.04 5.18 1.28 -0.50 -1.07 -8.14 -5.70	2.48
32 14 40 00-0007			Granite Paver Sidewalk (32 14 40) Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF		1" Thick, Up to 54 SI Granite Paver Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	31.52 1.88 1.58 3.15 3.45 9.39 2.18 -0.60 -1.67	3.02
32 14 40 00-0009	SF		1" Thick, >54 to 108 SI Granite Paver Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	30.98 1.82 1.55 3.10 3.37 9.12 2.10 -0.55 -1.59	2.74
32 14 40 00-0010	SF		1" Thick, >108 to 216 SI Granite Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	30.03 1.73 1.50 3.00 3.23 8.64 1.95 -0.45 -1.44	2.26
32 14 40 00-0011	SF		1" Thick, >216 SI Granite Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	29.62 1.69 1.48 2.96 3.17 8.44 1.89 -0.41 -1.38	2.06

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns	30.46	2.48
Note: Patterns made by combining pavers from two or more size groups.				
For Cement/Sand Mix Or Polymeric Sand Joints, Add			1.77	
For 2" Granite Paver, Add			1.52	
For 3" Granite Paver, Add			3.05	
For 4" Granite Paver, Add			3.29	
For Up To 100, Add			8.86	
For >100 To 500, Add			2.02	
For >1,000 To 5,000, Deduct			-0.50	
For >5,000, Deduct			-1.51	

32 15 Aggregate Surfacing (32 10)**32 15 40 Crushed Stone Surfacing** (32 15)

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 15 40 00-0001		Gravel Surfacing And Spreading (32 15 40)		
Note: Includes delivered material, placement, rolling and compaction water.				
32 15 40 00-0002	CY	Gravel Surfacing And Spreading	106.79	
32 15 40 00-0003		Limestone Screenings (32 15 40)		
Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.				
32 15 40 00-0004	CY	Limestone Screenings For Trail	76.29	
32 15 40 00-0005		Decomposed Granite (32 15 40)		
Note: Includes delivered material, placement, rolling and compaction water.				
32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway	20.16	
Note: Placed in 2 lifts.				
For Additional 2" Lift			10.08	
For >45 To 180, Deduct			-1.35	
For >180 To 450, Deduct			-1.68	
For >450, Deduct			-2.02	

32 16 Curbs, Gutters, Sidewalks, and Driveways (32 10)**32 16 13 Curbs and Gutters** (32 16)

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs and Gutters (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001		CALTRANS Cast In Place Concrete Curbs Assemblies (32 16 13 13)		
Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.				
32 16 13 13-0002	LF	CALTRANS Type A1-6 Straight Concrete Curb Assembly	28.93	12.16
For Up To 20, Add			16.43	
For >20 To 50, Add			9.28	
For >50 To 100, Add			3.57	
For >500 To 1,000, Deduct			-3.57	
For >1,000, Deduct			-6.09	
32 16 13 13-0003	LF	CALTRANS Type A1-6 Radius Concrete Curb Assembly	32.34	13.99
For Up To 20, Add			18.78	
For >20 To 50, Add			10.62	
For >50 To 100, Add			4.08	
For >500 To 1,000, Deduct			-4.08	
For >1,000, Deduct			-6.93	
32 16 13 13-0004	LF	CALTRANS Type A1-8 Straight Concrete Curb Assembly	30.15	12.16
For Up To 20, Add			17.89	
For >20 To 50, Add			10.13	
For >50 To 100, Add			3.88	
For >500 To 1,000, Deduct			-3.88	
For >1,000, Deduct			-6.57	
32 16 13 13-0005	LF	CALTRANS Type A1-8 Radius Concrete Curb Assembly	32.35	13.99
For Up To 20, Add			19.39	
For >20 To 50, Add			10.99	
For >50 To 100, Add			4.20	
For >500 To 1,000, Deduct			-4.20	
For >1,000, Deduct			-7.11	
32 16 13 13-0006	LF	CALTRANS Type A3-6 Straight Concrete Curb Assembly	15.52	8.22
For Up To 20, Add			9.18	
For >20 To 50, Add			5.20	
For >50 To 100, Add			1.99	
For >500 To 1,000, Deduct			-1.99	
For >1,000, Deduct			-3.38	
32 16 13 13-0007	LF	CALTRANS Type A3-6 Radius Concrete Curb Assembly	17.95	9.49
For Up To 20, Add			10.89	
For >20 To 50, Add			6.17	
For >50 To 100, Add			2.36	
For >500 To 1,000, Deduct			-2.36	
For >1,000, Deduct			-3.98	

			Exterior Improvements	32
			Bases, Ballasts, and Paving	32 10
			Curbs, Gutters, Sidewalks, and Driveways	32 16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0008	LF		CALTRANS Type A3-8 Straight Concrete Curb Assembly.....	17.22	8.51
			For Up To 20, Add	10.01	
			For >20 To 50, Add	5.66	
			For >50 To 100, Add	2.17	
			For >500 To 1,000, Deduct	-2.17	
			For >1,000, Deduct	-3.69	
32 16 13 13-0009	LF		CALTRANS Type A3-8 Radius Concrete Curb Assembly.....	19.78	10.21
			For Up To 20, Add	11.80	
			For >20 To 50, Add	6.69	
			For >50 To 100, Add	2.56	
			For >500 To 1,000, Deduct	-2.56	
			For >1,000, Deduct	-4.33	
32 16 13 13-0010	LF		CALTRANS Type B1-4 Straight Concrete Curb Assembly.....	26.37	12.16
			For Up To 20, Add	15.00	
			For >20 To 50, Add	8.47	
			For >50 To 100, Add	3.26	
			For >500 To 1,000, Deduct	-3.26	
			For >1,000, Deduct	-5.55	
32 16 13 13-0011	LF		CALTRANS Type B1-4 Straight Concrete Curb Assembly.....	29.49	13.99
			For Up To 20, Add	17.15	
			For >20 To 50, Add	9.70	
			For >50 To 100, Add	3.72	
			For >500 To 1,000, Deduct	-3.72	
			For >1,000, Deduct	-6.32	
32 16 13 13-0012	LF		CALTRANS Type B1-6 Straight Concrete Curb Assembly.....	29.56	12.16
			For Up To 20, Add	16.55	
			For >20 To 50, Add	9.34	
			For >50 To 100, Add	3.61	
			For >500 To 1,000, Deduct	-3.61	
			For >1,000, Deduct	-6.15	
32 16 13 13-0013	LF		CALTRANS Type B1-6 Radius Concrete Curb Assembly.....	32.97	13.99
			For Up To 20, Add	18.90	
			For >20 To 50, Add	10.68	
			For >50 To 100, Add	4.11	
			For >500 To 1,000, Deduct	-4.11	
			For >1,000, Deduct	-6.99	
32 16 13 13-0014	LF		CALTRANS Type B3-4 Straight Concrete Curb Assembly.....	112.08	7.42
			For Up To 20, Add	77.14	
			For >20 To 50, Add	44.04	
			For >50 To 100, Add	16.55	
			For >500 To 1,000, Deduct	-16.55	
			For >1,000, Deduct	-27.62	
32 16 13 13-0015	LF		CALTRANS Type B3-4 Radius Concrete Curb Assembly.....	15.77	8.51
			For Up To 20, Add	9.72	
			For >20 To 50, Add	5.52	
			For >50 To 100, Add	2.10	
			For >500 To 1,000, Deduct	-2.10	
			For >1,000, Deduct	-3.55	
32 16 13 13-0016	LF		CALTRANS Type B3-6 Straight Concrete Curb Assembly.....	15.23	7.66
			For Up To 20, Add	8.95	
			For >20 To 50, Add	5.06	
			For >50 To 100, Add	1.94	
			For >500 To 1,000, Deduct	-1.94	
			For >1,000, Deduct	-3.29	
32 16 13 13-0017	LF		CALTRANS Type B3-6 Radius Concrete Curb Assembly.....	17.54	9.24
			For Up To 20, Add	10.56	
			For >20 To 50, Add	5.99	
			For >50 To 100, Add	2.29	
			For >500 To 1,000, Deduct	-2.29	
			For >1,000, Deduct	-3.87	
32 16 13 13-0018	LF		CALTRANS Type D-4 Straight Concrete Curb Assembly.....	29.84	12.16
			For Up To 20, Add	15.69	
			For >20 To 50, Add	8.82	
			For >50 To 100, Add	3.44	
			For >500 To 1,000, Deduct	-3.44	
			For >1,000, Deduct	-5.90	
32 16 13 13-0019	LF		CALTRANS Type D-4 Radius Concrete Curb Assembly.....	32.96	13.99
			For Up To 20, Add	17.84	
			For >20 To 50, Add	10.05	
			For >50 To 100, Add	3.90	
			For >500 To 1,000, Deduct	-3.90	
			For >1,000, Deduct	-6.67	
32 16 13 13-0020	LF		CALTRANS Type D-6 Straight Concrete Curb Assembly.....	34.80	12.16
			For Up To 20, Add	16.69	
			For >20 To 50, Add	9.32	
			For >50 To 100, Add	3.69	
			For >500 To 1,000, Deduct	-3.69	
			For >1,000, Deduct	-6.40	
32 16 13 13-0021	LF		CALTRANS Type D-6 Radius Concrete Curb Assembly.....	37.92	13.99
			For Up To 20, Add	18.83	
			For >20 To 50, Add	10.54	
			For >50 To 100, Add	4.15	
			For >500 To 1,000, Deduct	-4.15	
			For >1,000, Deduct	-7.17	

32 16 13 13-0022

CALTRANS Cast In Place Concrete Curb And Gutter Assemblies (32 16 13 13)

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 16 13 13-0023	LF	CALTRANS Type A2-6 Straight Concrete Curb And Gutter Assembly	59.55	22.87
		For Up To 20, Add	40.30	
		For >20 To 50, Add	22.44	
		For >50 To 100, Add	8.93	
		For >500 To 1,000, Deduct	-7.55	
		For >1,000, Deduct	-12.81	
		For Mountable Or Rolled Curb And Gutter, Add	3.81	
32 16 13 13-0024	LF	CALTRANS Type A2-6 Radius Concrete Curb And Gutter Assembly	64.36	25.28
		For Up To 20, Add	43.67	
		For >20 To 50, Add	24.36	
		For >50 To 100, Add	9.65	
		For >500 To 1,000, Deduct	-8.27	
		For >1,000, Deduct	-14.02	
		For Mountable Or Rolled Curb And Gutter, Add	4.29	
32 16 13 13-0025	LF	CALTRANS Type A2-8 Straight Concrete Curb And Gutter Assembly	63.99	22.87
		For Up To 20, Add	43.31	
		For >20 To 50, Add	24.11	
		For >50 To 100, Add	9.60	
		For >500 To 1,000, Deduct	-8.12	
		For >1,000, Deduct	-13.77	
		For Mountable Or Rolled Curb And Gutter, Add	4.10	
32 16 13 13-0026	LF	CALTRANS Type A2-8 Radius Concrete Curb And Gutter Assembly	69.16	25.28
		For Up To 20, Add	46.93	
		For >20 To 50, Add	26.18	
		For >50 To 100, Add	10.37	
		For >500 To 1,000, Deduct	-8.89	
		For >1,000, Deduct	-15.07	
		For Mountable Or Rolled Curb And Gutter, Add	4.62	
32 16 13 13-0027	LF	CALTRANS Type B2-4 Straight Concrete Curb And Gutter Assembly	33.32	13.12
		For Up To 20, Add	22.01	
		For >20 To 50, Add	12.02	
		For >50 To 100, Add	5.00	
		For >500 To 1,000, Deduct	-3.69	
		For >1,000, Deduct	-6.36	
		For Mountable Or Rolled Curb And Gutter, Add	1.30	
32 16 13 13-0028	LF	CALTRANS Type B2-4 Radius Concrete Curb And Gutter Assembly	35.25	14.44
		For Up To 20, Add	23.36	
		For >20 To 50, Add	12.79	
		For >50 To 100, Add	5.29	
		For >500 To 1,000, Deduct	-3.98	
		For >1,000, Deduct	-6.85	
		For Mountable Or Rolled Curb And Gutter, Add	1.49	
32 16 13 13-0029	LF	CALTRANS Type B2-6 Straight Concrete Curb And Gutter Assembly	39.59	14.44
		For Up To 20, Add	26.28	
		For >20 To 50, Add	14.41	
		For >50 To 100, Add	5.94	
		For >500 To 1,000, Deduct	-4.51	
		For >1,000, Deduct	-7.75	
		For Mountable Or Rolled Curb And Gutter, Add	1.74	
32 16 13 13-0030	LF	CALTRANS Type B2-6 Radius Concrete Curb And Gutter Assembly	41.99	19.26
		For Up To 20, Add	27.96	
		For >20 To 50, Add	15.37	
		For >50 To 100, Add	6.30	
		For >500 To 1,000, Deduct	-4.87	
		For >1,000, Deduct	-8.35	
		For Mountable Or Rolled Curb And Gutter, Add	1.98	
32 16 13 13-0031	LF	CALTRANS Type B4-6 Straight Concrete Curb And Gutter Assembly	63.77	25.15
		For Up To 20, Add	43.29	
		For >20 To 50, Add	24.16	
		For >50 To 100, Add	9.57	
		For >500 To 1,000, Deduct	-8.22	
		For >1,000, Deduct	-13.92	
		For Mountable Or Rolled Curb And Gutter, Add	4.29	
32 16 13 13-0032	LF	CALTRANS Type B4-6 Radius Concrete Curb And Gutter Assembly	68.34	27.44
		For Up To 20, Add	46.49	
		For >20 To 50, Add	25.99	
		For >50 To 100, Add	10.25	
		For >500 To 1,000, Deduct	-8.91	
		For >1,000, Deduct	-15.07	
		For Mountable Or Rolled Curb And Gutter, Add	4.75	
32 16 13 13-0033	LF	CALTRANS Type E Straight Concrete Curb And Gutter Assembly	68.15	26.48
		For Up To 20, Add	46.19	
		For >20 To 50, Add	25.74	
		For >50 To 100, Add	10.22	
		For >500 To 1,000, Deduct	-8.70	
		For >1,000, Deduct	-14.76	
		For Mountable Or Rolled Curb And Gutter, Add	4.46	
32 16 13 13-0034	LF	CALTRANS Type E Radius Concrete Curb And Gutter Assembly	72.97	28.88
		For Up To 20, Add	49.56	
		For >20 To 50, Add	27.67	
		For >50 To 100, Add	10.95	
		For >500 To 1,000, Deduct	-9.43	
		For >1,000, Deduct	-15.96	
		For Mountable Or Rolled Curb And Gutter, Add	4.94	

32 16 13 13-0035 Cast In Place Concrete Curb And Gutter Assemblies (32 16 13 13)

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

			Exterior Improvements	32	32
			Bases, Ballasts, and Paving	32 10	
			Curbs, Gutters, Sidewalks, and Driveways	32 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0036	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	33.90	14.44	
		For Up To 20, Add	22.87		
		For >20 To 50, Add	12.70		
		For >50 To 100, Add	5.09		
		For >500 To 1,000, Deduct	-4.22		
		For >1,000, Deduct	-7.18		
		For Mountable Or Rolled Curb And Gutter, Add	2.05		
32 16 13 13-0037	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	36.75	19.26	
		For Up To 20, Add	24.82		
		For >20 To 50, Add	13.79		
		For >50 To 100, Add	5.51		
		For >500 To 1,000, Deduct	-4.61		
		For >1,000, Deduct	-7.83		
		For Mountable Or Rolled Curb And Gutter, Add	2.27		
32 16 13 13-0038	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	42.37	16.00	
		For Up To 20, Add	28.61		
		For >20 To 50, Add	15.90		
		For >50 To 100, Add	6.36		
		For >500 To 1,000, Deduct	-5.31		
		For >1,000, Deduct	-9.02		
		For Mountable Or Rolled Curb And Gutter, Add	2.61		
32 16 13 13-0039	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	46.57	17.81	
		For Up To 20, Add	31.49		
		For >20 To 50, Add	17.52		
		For >50 To 100, Add	6.99		
		For >500 To 1,000, Deduct	-5.88		
		For >1,000, Deduct	-9.98		
		For Mountable Or Rolled Curb And Gutter, Add	2.94		
32 16 13 13-0040	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	50.84	19.26	
		For Up To 20, Add	34.35		
		For >20 To 50, Add	19.10		
		For >50 To 100, Add	7.63		
		For >500 To 1,000, Deduct	-6.39		
		For >1,000, Deduct	-10.86		
		For Mountable Or Rolled Curb And Gutter, Add	3.17		
32 16 13 13-0041	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	56.39	21.67	
		For Up To 20, Add	38.17		
		For >20 To 50, Add	21.25		
		For >50 To 100, Add	8.46		
		For >500 To 1,000, Deduct	-7.15		
		For >1,000, Deduct	-12.14		
		For Mountable Or Rolled Curb And Gutter, Add	3.61		
32 16 13 13-0042	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	59.93	22.87	
		For Up To 20, Add	40.53		
		For >20 To 50, Add	22.55		
		For >50 To 100, Add	8.99		
		For >500 To 1,000, Deduct	-7.57		
		For >1,000, Deduct	-12.85		
		For Mountable Or Rolled Curb And Gutter, Add	3.79		
32 16 13 13-0043	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	65.63	25.28	
		For Up To 20, Add	44.43		
		For >20 To 50, Add	24.74		
		For >50 To 100, Add	9.84		
		For >500 To 1,000, Deduct	-8.34		
		For >1,000, Deduct	-14.14		
		For Mountable Or Rolled Curb And Gutter, Add	4.22		
32 16 13 13-0044	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	69.01	26.48	
		For Up To 20, Add	46.70		
		For >20 To 50, Add	26.00		
		For >50 To 100, Add	10.35		
		For >500 To 1,000, Deduct	-8.75		
		For >1,000, Deduct	-14.84		
		For Mountable Or Rolled Curb And Gutter, Add	4.41		
32 16 13 13-0045	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	74.87	28.88	
		For Up To 20, Add	50.70		
		For >20 To 50, Add	28.24		
		For >50 To 100, Add	11.23		
		For >500 To 1,000, Deduct	-9.52		
		For >1,000, Deduct	-16.15		
		For Mountable Or Rolled Curb And Gutter, Add	4.84		
32 16 13 13-0046	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	78.09	30.08	
		For Up To 20, Add	52.87		
		For >20 To 50, Add	29.44		
		For >50 To 100, Add	11.71		
		For >500 To 1,000, Deduct	-9.92		
		For >1,000, Deduct	-16.83		
		For Mountable Or Rolled Curb And Gutter, Add	5.03		
32 16 13 13-0047	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	86.51	33.69	
		For Up To 20, Add	58.65		
		For >20 To 50, Add	32.69		
		For >50 To 100, Add	12.98		
		For >500 To 1,000, Deduct	-11.07		
		For >1,000, Deduct	-18.76		
		For Mountable Or Rolled Curb And Gutter, Add	5.69		

32 16 13 13-0048 Cast In Place Concrete Curbs Assemblies (32 16 13 13)

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 16 13 13-0049	LF	6" x 12" Cast In Place Concrete Curb.....	25.76	12.16
		For Mountable Curb, Add	1.60	
		For Up To 20, Add	14.88	
		For >20 To 50, Add	8.41	
		For >50 To 100, Add	3.23	
		For >500 To 1,000, Deduct	-3.23	
		For >1,000, Deduct	-5.49	
32 16 13 13-0050	LF	6" x 12" Cast In Place Concrete Curb - Radius.....	29.22	13.99
		For Mountable Curb, Add	1.88	
		For Up To 20, Add	17.09	
		For >20 To 50, Add	9.67	
		For >50 To 100, Add	3.71	
		For >500 To 1,000, Deduct	-3.71	
		For >1,000, Deduct	-6.30	
32 16 13 13-0051	LF	6" x 14" Cast In Place Concrete Curb.....	28.08	12.16
		For Mountable Curb, Add	1.75	
		For Up To 20, Add	16.26	
		For >20 To 50, Add	9.19	
		For >50 To 100, Add	3.53	
		For >500 To 1,000, Deduct	-3.53	
		For >1,000, Deduct	-6.00	
32 16 13 13-0052	LF	6" x 14" Cast In Place Concrete Curb - Radius.....	31.87	13.99
		For Mountable Curb, Add	2.06	
		For Up To 20, Add	18.68	
		For >20 To 50, Add	10.57	
		For >50 To 100, Add	4.06	
		For >500 To 1,000, Deduct	-4.06	
		For >1,000, Deduct	-6.88	
32 16 13 13-0053	LF	6" x 16" Cast In Place Concrete Curb.....	30.68	12.16
		For Mountable Curb, Add	1.89	
		For Up To 20, Add	17.69	
		For >20 To 50, Add	10.00	
		For >50 To 100, Add	3.84	
		For >500 To 1,000, Deduct	-3.84	
		For >1,000, Deduct	-6.53	
32 16 13 13-0054	LF	6" x 16" Cast In Place Concrete Curb - Radius.....	34.71	18.24
		For Mountable Curb, Add	2.24	
		For Up To 20, Add	20.32	
		For >20 To 50, Add	11.50	
		For >50 To 100, Add	4.41	
		For >500 To 1,000, Deduct	-4.41	
		For >1,000, Deduct	-7.48	
32 16 13 13-0055	LF	6" x 18" Cast In Place Concrete Curb.....	32.73	12.16
		For Mountable Curb, Add	2.01	
		For Up To 20, Add	18.84	
		For >20 To 50, Add	10.65	
		For >50 To 100, Add	4.09	
		For >500 To 1,000, Deduct	-4.09	
		For >1,000, Deduct	-6.96	
32 16 13 13-0056	LF	6" x 18" Cast In Place Concrete Curb - Radius.....	36.71	13.99
		For Mountable Curb, Add	2.32	
		For Up To 20, Add	21.33	
		For >20 To 50, Add	12.06	
		For >50 To 100, Add	4.63	
		For >500 To 1,000, Deduct	-4.63	
		For >1,000, Deduct	-7.87	
32 16 13 13-0057	LF	6" x 24" Cast In Place Concrete Curb.....	37.29	13.38
		For Mountable Curb, Add	2.14	
		For Up To 20, Add	20.97	
		For >20 To 50, Add	11.84	
		For >50 To 100, Add	4.57	
		For >500 To 1,000, Deduct	-4.57	
		For >1,000, Deduct	-7.78	
32 16 13 13-0058	LF	6" x 24" Cast In Place Concrete Curb - Radius.....	41.47	15.20
		For Mountable Curb, Add	2.43	
		For Up To 20, Add	23.49	
		For >20 To 50, Add	13.27	
		For >50 To 100, Add	5.11	
		For >500 To 1,000, Deduct	-5.11	
		For >1,000, Deduct	-8.71	
32 16 13 13-0059	LF	12" x 24" Cast In Place Concrete Curb.....	47.43	15.20
		For Mountable Curb, Add	2.10	
		For Up To 20, Add	24.69	
		For >20 To 50, Add	13.87	
		For >50 To 100, Add	5.41	
		For >500 To 1,000, Deduct	-5.41	
		For >1,000, Deduct	-9.30	
32 16 13 13-0060	LF	12" x 24" Cast In Place Concrete Curb - Radius.....	52.56	17.02
		For Mountable Curb, Add	2.39	
		For Up To 20, Add	27.54	
		For >20 To 50, Add	15.47	
		For >50 To 100, Add	6.03	
		For >500 To 1,000, Deduct	-6.03	
		For >1,000, Deduct	-10.36	
32 16 13 13-0061	EA	Additional Finish For Handicap Drop Section In Curb.....	91.20	

32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)

Note: Includes delivered concrete, steel, expansion joints and finish.

			Exterior Improvements	32
			Bases, Ballasts, and Paving	32 10
			Curbs, Gutters, Sidewalks, and Driveways	32 16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 14-0002	EA		Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job).....	1,625.09	
Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.					
32 16 13 14-0003	LF		6" x 12" Straight Concrete Curb, Machine Formed.....	14.01	
32 16 13 14-0004	LF		6" x 12" Curved Concrete Curb, Machine Formed.....	19.01	
32 16 13 14-0005	LF		6" x 18" Straight Concrete Curb, Machine Formed.....	18.51	
32 16 13 14-0006	LF		6" x 18" Curved Concrete Curb, Machine Formed.....	24.38	
32 16 13 16			Steel Faced Curbs (32 16 13)		
Note: Fabrication includes handicap and other curb access cuts.					
32 16 13 16-0001			Sidewalk/Curb Facing (32 16 13 16)		
Note: Fabrication includes handicap and other curb access cuts.					
32 16 13 16-0002	LF		3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	16.04	5.57
For Curved Section, Add				3.68	
32 16 13 16-0003	LF		4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	17.73	6.34
For Curved Section, Add				4.15	
32 16 13 16-0004	LF		6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	23.54	7.10
For Curved Section, Add				5.03	
32 16 13 16-0005	LF		8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	28.69	7.99
For Curved Section, Add				5.84	
32 16 13 16-0006	LF		10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	34.86	8.75
For Curved Section, Add				6.76	
32 16 13 16-0007	LF		12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	45.51	11.15
For Curved Section, Add				8.71	
32 16 13 16-0008	LF		13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	52.87	14.44
For Curved Section, Add				10.68	
32 16 13 16-0009	EA		Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	161.53	
32 16 13 19			Cast-In-Place Concrete Drainage Ditches (32 16 13)		
Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.					
32 16 13 19-0001			Valley Gutter, Cast In Place (32 16 13 19)		
Note: Includes concrete, forms, rebar, expansion joints, finish and curing.					
32 16 13 19-0002	LF		2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	24.58	
For Up To 20, Add				11.32	
For >20 To 50, Add				6.30	
For >50 To 100, Add				2.51	
For >500 To 1,000, Deduct				-2.51	
For >1,000, Deduct				-4.38	
32 16 13 19-0003	LF		2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	30.12	
For Up To 20, Add				13.73	
For >20 To 50, Add				7.64	
For >50 To 100, Add				3.05	
For >500 To 1,000, Deduct				-3.05	
For >1,000, Deduct				-5.32	
32 16 13 19-0004	LF		3' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	35.62	
For Up To 20, Add				16.11	
For >20 To 50, Add				8.95	
For >50 To 100, Add				3.58	
For >500 To 1,000, Deduct				-3.58	
For >1,000, Deduct				-6.26	
32 16 13 19-0005	LF		3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	41.08	
For Up To 20, Add				18.46	
For >20 To 50, Add				10.26	
For >50 To 100, Add				4.10	
For >500 To 1,000, Deduct				-4.10	
For >1,000, Deduct				-7.18	
32 16 13 19-0006	LF		4' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	46.56	
For Up To 20, Add				20.83	
For >20 To 50, Add				11.57	
For >50 To 100, Add				4.63	
For >500 To 1,000, Deduct				-4.63	
For >1,000, Deduct				-8.11	
32 16 13 19-0007	LF		5' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	55.32	
For Up To 20, Add				24.02	
For >20 To 50, Add				13.31	
For >50 To 100, Add				5.36	
For >500 To 1,000, Deduct				-5.36	
For >1,000, Deduct				-9.42	
32 16 13 19-0008	LF		6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	63.75	
For Up To 20, Add				26.98	
For >20 To 50, Add				14.91	
For >50 To 100, Add				6.03	
For >500 To 1,000, Deduct				-6.03	
For >1,000, Deduct				-10.64	
32 16 13 19-0009	SF		>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	10.62	
For Up To 100, Add				4.49	
For >100 To 250, Add				2.48	
For >250 To 500, Add				1.01	
For >2,500 To 5,000, Deduct				-1.01	
For >5,000, Deduct				-1.77	
32 16 13 19-0010	LF		2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	27.03	
For Up To 20, Add				12.15	
For >20 To 50, Add				6.75	
For >50 To 100, Add				2.70	
For >500 To 1,000, Deduct				-2.70	
For >1,000, Deduct				-4.73	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 16 13 19-0011	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	33.37	
		For Up To 20, Add	14.90	
		For >20 To 50, Add	8.27	
		For >50 To 100, Add	3.31	
		For >500 To 1,000, Deduct	-3.31	
		For >1,000, Deduct	-5.80	
32 16 13 19-0012	LF	3' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	39.26	
		For Up To 20, Add	17.33	
		For >20 To 50, Add	9.61	
		For >50 To 100, Add	3.86	
		For >500 To 1,000, Deduct	-3.86	
		For >1,000, Deduct	-6.77	
32 16 13 19-0013	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	45.32	
		For Up To 20, Add	19.88	
		For >20 To 50, Add	11.02	
		For >50 To 100, Add	4.43	
		For >500 To 1,000, Deduct	-4.43	
		For >1,000, Deduct	-7.78	
32 16 13 19-0014	LF	4' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	51.39	
		For Up To 20, Add	22.43	
		For >20 To 50, Add	12.43	
		For >50 To 100, Add	5.00	
		For >500 To 1,000, Deduct	-5.00	
		For >1,000, Deduct	-8.79	
32 16 13 19-0015	LF	5' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	61.19	
		For Up To 20, Add	25.91	
		For >20 To 50, Add	14.32	
		For >50 To 100, Add	5.79	
		For >500 To 1,000, Deduct	-5.79	
		For >1,000, Deduct	-10.22	
32 16 13 19-0016	LF	6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	70.65	
		For Up To 20, Add	29.15	
		For >20 To 50, Add	16.07	
		For >50 To 100, Add	6.54	
		For >500 To 1,000, Deduct	-6.54	
		For >1,000, Deduct	-11.57	
32 16 13 19-0017	SF	>6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	11.78	
		For Up To 100, Add	4.86	
		For >100 To 250, Add	2.68	
		For >250 To 500, Add	1.09	
		For >2,500 To 5,000, Deduct	-1.09	
		For >5,000, Deduct	-1.93	
32 16 13 19-0018	LF	2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	27.19	
		For Up To 20, Add	12.53	
		For >20 To 50, Add	6.98	
		For >50 To 100, Add	2.78	
		For >500 To 1,000, Deduct	-2.78	
		For >1,000, Deduct	-4.85	
32 16 13 19-0019	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	33.37	
		For Up To 20, Add	15.23	
		For >20 To 50, Add	8.47	
		For >50 To 100, Add	3.38	
		For >500 To 1,000, Deduct	-3.38	
		For >1,000, Deduct	-5.91	
32 16 13 19-0020	LF	3' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	39.44	
		For Up To 20, Add	17.86	
		For >20 To 50, Add	9.93	
		For >50 To 100, Add	3.97	
		For >500 To 1,000, Deduct	-3.97	
		For >1,000, Deduct	-6.94	
32 16 13 19-0021	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	45.52	
		For Up To 20, Add	20.49	
		For >20 To 50, Add	11.38	
		For >50 To 100, Add	4.55	
		For >500 To 1,000, Deduct	-4.55	
		For >1,000, Deduct	-7.97	
32 16 13 19-0022	LF	4' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	51.60	
		For Up To 20, Add	23.12	
		For >20 To 50, Add	12.84	
		For >50 To 100, Add	5.14	
		For >500 To 1,000, Deduct	-5.14	
		For >1,000, Deduct	-9.00	
32 16 13 19-0023	LF	5' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	61.29	
32 16 13 19-0024	LF	6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	70.61	
32 16 13 19-0025	SF	>6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	11.77	
		For Up To 100, Add	4.99	
		For >100 To 250, Add	2.76	
		For >250 To 500, Add	1.12	
		For >2,500 To 5,000, Deduct	-1.12	
		For >5,000, Deduct	-1.97	

32 16 13 23 Precast Concrete Curbs and Gutters (32 16 13)**32 16 13 23-0001 Precast Concrete Curb (32 16 13 23)**

32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb	46.68	10.82
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius	55.77	12.45
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb	49.54	10.82
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius	59.56	12.45
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb	50.85	10.82
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius	61.06	12.45

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb.....	54.09	10.82
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius.....	65.18	12.45

32 16 13 33 Asphalt Curbs (32 16 13)

32 16 13 33-0001 Asphalt Curbs (32 16 13 33)

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain.....	13.78	5.71
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain.....	15.51	6.34
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain.....	17.10	6.97

32 16 13 43 Stone Curbs (32 16 13)

32 16 13 43-0001 Granite Curbs (32 16 13 43)

32 16 13 43-0002 Split Face Granite Curbs (32 16 13 43-0001)

32 16 13 43-0003	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section.....	36.22	10.47
		For Up To 20, Add	14.25	
		For >20 To 50, Add	7.83	
		For >50 To 100, Add	3.21	
		For >500 To 1,000, Deduct	-3.21	
		For >1,000, Deduct	-5.72	
32 16 13 43-0004	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section.....	43.05	11.45
		For Up To 20, Add	16.23	
		For >20 To 50, Add	8.87	
		For >50 To 100, Add	3.68	
		For >500 To 1,000, Deduct	-3.68	
		For >1,000, Deduct	-6.59	
32 16 13 43-0005	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section.....	47.59	12.30
		For Up To 20, Add	17.70	
		For >20 To 50, Add	9.67	
		For >50 To 100, Add	4.02	
		For >500 To 1,000, Deduct	-4.02	
		For >1,000, Deduct	-7.21	
32 16 13 43-0006	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section.....	56.66	13.28
		For Up To 20, Add	20.13	
		For >20 To 50, Add	10.94	
		For >50 To 100, Add	4.59	
		For >500 To 1,000, Deduct	-4.59	
		For >1,000, Deduct	-8.30	
32 16 13 43-0007	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section.....	45.03	11.45
		For Up To 20, Add	16.59	
		For >20 To 50, Add	9.05	
		For >50 To 100, Add	3.77	
		For >500 To 1,000, Deduct	-3.77	
		For >1,000, Deduct	-6.78	
32 16 13 43-0008	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section.....	51.85	12.30
		For Up To 20, Add	18.56	
		For >20 To 50, Add	10.10	
		For >50 To 100, Add	4.23	
		For >500 To 1,000, Deduct	-4.23	
		For >1,000, Deduct	-7.64	
32 16 13 43-0009	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section.....	56.46	13.28
		For Up To 20, Add	20.09	
		For >20 To 50, Add	10.92	
		For >50 To 100, Add	4.58	
		For >500 To 1,000, Deduct	-4.58	
		For >1,000, Deduct	-8.28	
32 16 13 43-0010	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section.....	65.52	14.14
		For Up To 20, Add	22.50	
		For >20 To 50, Add	12.19	
		For >50 To 100, Add	5.16	
		For >500 To 1,000, Deduct	-5.16	
		For >1,000, Deduct	-9.37	

32 16 13 43-0011 Sawn Face Granite Curbs (32 16 13 43-0001)

32 16 13 43-0012	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section.....	36.22	10.47
		For Up To 20, Add	14.25	
		For >20 To 50, Add	7.83	
		For >50 To 100, Add	3.21	
		For >500 To 1,000, Deduct	-3.21	
		For >1,000, Deduct	-5.72	
32 16 13 43-0013	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section.....	43.05	11.45
		For Up To 20, Add	16.23	
		For >20 To 50, Add	8.87	
		For >50 To 100, Add	3.68	
		For >500 To 1,000, Deduct	-3.68	
		For >1,000, Deduct	-6.59	
32 16 13 43-0014	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section.....	47.67	12.30
		For Up To 20, Add	17.76	
		For >20 To 50, Add	9.70	
		For >50 To 100, Add	4.03	
		For >500 To 1,000, Deduct	-4.03	
		For >1,000, Deduct	-7.23	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 16 13 43-0015	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section	56.74	13.28	
		For Up To 20, Add	20.18		
		For >20 To 50, Add	10.98		
		For >50 To 100, Add	4.60		
		For >500 To 1,000, Deduct	-4.60		
		For >1,000, Deduct	-8.32		
32 16 13 43-0016	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section	51.29	11.45	
		For Up To 20, Add	17.87		
		For >20 To 50, Add	9.70		
		For >50 To 100, Add	4.09		
		For >500 To 1,000, Deduct	-4.09		
		For >1,000, Deduct	-7.41		
32 16 13 43-0017	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section	61.59	12.30	
		For Up To 20, Add	20.54		
		For >20 To 50, Add	11.09		
		For >50 To 100, Add	4.72		
		For >500 To 1,000, Deduct	-4.72		
		For >1,000, Deduct	-8.63		
32 16 13 43-0018	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section	68.32	13.28	
		For Up To 20, Add	22.50		
		For >20 To 50, Add	12.13		
		For >50 To 100, Add	5.18		
		For >500 To 1,000, Deduct	-5.18		
		For >1,000, Deduct	-9.48		
32 16 13 43-0019	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section	82.28	14.14	
		For Up To 20, Add	25.90		
		For >20 To 50, Add	13.89		
		For >50 To 100, Add	6.00		
		For >500 To 1,000, Deduct	-6.00		
		For >1,000, Deduct	-11.06		
32 16 13 43-0020 Granite Base And Curbs (32 16 13 43-0001)					
32 16 13 43-0021	LF	4" High Granite Base	40.26	13.38	
		For Up To 20, Add	16.94		
		For >20 To 50, Add	9.36		
		For >50 To 100, Add	3.79		
		For >500 To 1,000, Deduct	-3.79		
		For >1,000, Deduct	-6.69		
32 16 13 43-0022	LF	6" High Granite Base	46.83	17.53	
		For Up To 20, Add	21.04		
		For >20 To 50, Add	11.69		
		For >50 To 100, Add	4.68		
		For >500 To 1,000, Deduct	-4.68		
		For >1,000, Deduct	-8.18		
32 16 13 43-0023 Remove And Reset Stone And Precast Curbing (32 16 13 43)					
Note: Includes storage and cleaning.					
32 16 13 43-0024	LF	Removal And Resetting Of Stone Or Precast Curbing.....	40.20		
Note: Includes storage and cleaning.					
32 16 23 Sidewalks (32 16)					
32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies (32 16 23)					
Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0085 for buggies, 03 31 13 00-0092 for small quantity purchases, 03 31 13 00-0094 for delivery fee, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.					
32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	9.93		
		For Up To 100, Add	4.26		
		For >100 To 500, Add	1.21		
		For >2,000 To 5,000, Deduct	-0.53		
		For >5,000 To 10,000, Deduct	-1.21		
		For >10,000 To 20,000, Deduct	-1.63		
		For >20,000, Deduct	-2.06		
		For 3,500 PSI Concrete, Add	0.13		
		For 4,000 PSI Concrete, Add	0.22		
		For 4,500 PSI Concrete, Add	0.26		
		For Welded Wire Reinforcement, Add	0.88		
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	10.82		
		For Up To 100, Add	4.55		
		For >100 To 500, Add	1.28		
		For >2,000 To 5,000, Deduct	-0.55		
		For >5,000 To 10,000, Deduct	-1.28		
		For >10,000 To 20,000, Deduct	-1.74		
		For >20,000, Deduct	-2.19		
		For 3,500 PSI Concrete, Add	0.16		
		For 4,000 PSI Concrete, Add	0.27		
		For 4,500 PSI Concrete, Add	0.32		
		For Welded Wire Reinforcement, Add	0.88		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0004 SF 6" Cast In Place Concrete Sidewalk	11.72	
For Up To 100, Add	4.84	
For >100 To 500, Add	1.35	
For >2,000 To 5,000, Deduct	-0.57	
For >5,000 To 10,000, Deduct	-1.35	
For >10,000 To 20,000, Deduct	-1.84	
For >20,000, Deduct	-2.32	
For 3,500 PSI Concrete, Add	0.19	
For 4,000 PSI Concrete, Add	0.33	
For 4,500 PSI Concrete, Add	0.38	
For Welded Wire Reinforcement, Add	0.88	
32 16 23 00-0005 SF 7" Cast In Place Concrete Sidewalk	13.61	
For Up To 100, Add	5.57	
For >100 To 500, Add	1.55	
For >2,000 To 5,000, Deduct	-0.65	
For >5,000 To 10,000, Deduct	-1.55	
For >10,000 To 20,000, Deduct	-2.10	
For >20,000, Deduct	-2.66	
For 3,500 PSI Concrete, Add	0.23	
For 4,000 PSI Concrete, Add	0.40	
For 4,500 PSI Concrete, Add	0.46	
For Welded Wire Reinforcement, Add	0.88	
32 16 23 00-0006 SF 8" Cast In Place Concrete Sidewalk	14.40	
For Up To 100, Add	5.81	
For >100 To 500, Add	1.60	
For >2,000 To 5,000, Deduct	-0.66	
For >5,000 To 10,000, Deduct	-1.60	
For >10,000 To 20,000, Deduct	-2.18	
For >20,000, Deduct	-2.76	
For 3,500 PSI Concrete, Add	0.26	
For 4,000 PSI Concrete, Add	0.45	
For 4,500 PSI Concrete, Add	0.52	
For Welded Wire Reinforcement, Add	0.88	
32 16 23 00-0007 SF For Exposed Aggregate Finish In Sidewalk	2.75	
32 16 23 00-0008 EA Finish Concrete Handicap Drop Section In Sidewalk	165.17	
Note: Excludes patterned (tactile) finish.		
32 16 23 00-0009 LF For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	2.75	
 32 16 23 00-0010 Bituminous Sidewalk Assemblies (32 16 23)		
Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0011 SY 1" Bituminous Sidewalk	9.90	
For Up To 100, Add	3.74	
For >100 To 500, Add	1.00	
For >1,000 To 5,000, Deduct	-0.51	
For >5,000, Deduct	-1.00	
32 16 23 00-0012 SY 1-1/2" Bituminous Sidewalk	12.41	
For Up To 100, Add	4.62	
For >100 To 500, Add	1.23	
For >1,000 To 5,000, Deduct	-0.61	
For >5,000, Deduct	-1.23	
32 16 23 00-0013 SY 2" Bituminous Sidewalk	17.20	
For Up To 100, Add	6.19	
For >100 To 500, Add	1.61	
For >1,000 To 5,000, Deduct	-0.75	
For >5,000, Deduct	-1.61	
32 16 23 00-0014 SY 2-1/2" Bituminous Sidewalk	21.49	
For Up To 100, Add	7.71	
For >100 To 500, Add	2.01	
For >1,000 To 5,000, Deduct	-0.94	
For >5,000, Deduct	-2.01	
32 16 23 00-0015 SY 3" Bituminous Sidewalk	24.70	
For Up To 100, Add	8.71	
For >100 To 500, Add	2.25	
For >1,000 To 5,000, Deduct	-1.01	
For >5,000, Deduct	-2.25	
32 16 23 00-0016 SY 3-1/2" Bituminous Sidewalk	28.51	
For Up To 100, Add	9.91	
For >100 To 500, Add	2.54	
For >1,000 To 5,000, Deduct	-1.11	
For >5,000, Deduct	-2.54	
 32 16 43 Asphalt Dike (32 16)		
32 16 43 00-0001 Asphalt Dike (32 16 43)		
32 16 43 00-0002 LF Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	7.28	
32 16 43 00-0003 LF Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height	9.97	
32 16 43 00-0004 LF Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height	9.97	
32 16 43 00-0005 LF Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height	14.22	
32 16 43 00-0006 LF Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height	16.84	
32 16 43 00-0007 LF Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height	3.86	
32 16 43 00-0008 LF Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	10.33	
32 16 43 00-0009 LF Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	15.94	
32 16 43 00-0010 LF CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	7.28	
32 16 43 00-0011 LF CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height	3.86	
32 16 43 00-0012 LF CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	15.94	
32 16 43 00-0013 LF CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	10.33	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 16 43 00-0014 LF CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height5.67

32 17 Paving Specialties (32 10)**32 17 13 Parking Bumpers** (32 17)

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers (32 17 13)
 32 17 13 16-0001 EA 4" x 6" x 4' Recycled Plastic Wheel Stop197.64 7.68
 32 17 13 16-0002 EA 4" x 6" x 6' Recycled Plastic Wheel Stop223.99 7.68
32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)
 32 17 13 19-0001 EA 6" x 8" x 4' Precast Concrete Wheel Stop With Dowels75.77 23.13
 32 17 13 19-0002 EA 6" x 6" x 6' Precast Concrete Wheel Stop With Dowels86.28 23.13
 32 17 13 19-0003 EA 6" x 8" x 6' Precast Concrete Wheel Stop With Dowels90.02 23.13
 32 17 13 19-0004 EA 6" x 10" x 6' Precast Concrete Wheel Stop With Dowels94.29 23.13
 32 17 13 19-0005 EA 4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels87.96 23.13
 32 17 13 19-0006 EA 8" x 13" x 6' Precast Concrete Wheel Stop With Dowels111.46 23.13
 32 17 13 19-0007 EA Removal And Relocation Of Precast Concrete Wheel Stop37.01
 32 17 13 19-0008 EA Removal And Relocation Of Plastic Or Wood Wheel Stop24.06
32 17 13 23 Rubber Parking Bumpers (32 17 13)
 32 17 13 23-0001 EA 3' Recycled Rubber Wheel Stop32.12 7.68
 32 17 13 23-0002 EA 4' Recycled Rubber Wheel Stop37.31 7.68
 32 17 13 23-0003 EA 5' Recycled Rubber Wheel Stop39.39 7.68
 32 17 13 23-0004 EA 6' Recycled Rubber Wheel Stop42.51 7.68
32 17 13 26 Wood Parking Bumpers (32 17 13)
 32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated10.75 1.85
 32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated14.06 1.85
32 17 16 Manufactured Traffic-Calming Devices (32 17)**32 17 16 00-0001 Speed Bumps** (32 17 16)

Note: Excludes pavement markings or reflectors.

 32 17 16 00-0002 LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump37.58 1.95
 32 17 16 00-0003 LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump31.10 1.30
 32 17 16 00-0004 LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump157.01 1.30
32 17 23 Pavement Markings (32 17)

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

32 17 23 13 Painted Pavement Markings (32 17 23)**32 17 23 13-0001 Painted Pavement Striping, Letters, Symbols And Markers For Roads** (32 17 23)
 13)
 Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.
32 17 23 13-0002 Alkyd/Solvent Based/Latex Reflective Pavement Marking (32 17 23 13-0001)

Note: 15 mil thickness.

 32 17 23 13-0003 LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping0.35
 For Up To 5,000 LF, Add0.07
 For >25,000 LF, Deduct-0.05
 For Broken Line, Deduct-0.07
 32 17 23 13-0004 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping0.44
 For Up To 5,000 LF, Add0.09
 For >25,000 LF, Deduct-0.07
 For Broken Line, Deduct-0.10
 32 17 23 13-0005 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping0.55
 For Up To 5,000 LF, Add0.11
 For >25,000 LF, Deduct-0.08
 For Broken Line, Deduct-0.12
 32 17 23 13-0006 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping0.75
 For Up To 5,000 LF, Add0.15
 For >25,000 LF, Deduct-0.11
 For Broken Line, Deduct-0.18
 32 17 23 13-0007 LF Double 4" Wide Solid Lines, Painted Reflective Pavement Striping0.50
 For Up To 5,000 LF, Add0.10
 For >25,000 LF, Deduct-0.08
 For Broken Line On One Side, Deduct-0.06
 For Double Broken Line, Deduct-0.12
 32 17 23 13-0008 LF Double 6" Wide Solid Lines, Painted Reflective Pavement Striping0.75
 For Up To 5,000 LF, Add0.15
 For >25,000 LF, Deduct-0.11
 For Broken Line On One Side, Deduct-0.09
 For Double Broken Line, Deduct-0.18
 32 17 23 13-0009 SF Solid Area, Painted Reflective Pavement Striping6.92
 Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0010	EA		6" High, Letter/Number, Painted Reflective Pavement Striping	5.01	
			For <10, Add	0.69	
			For >50 To 100, Deduct	-0.34	
			For >100 To 200, Deduct	-0.46	
			For >200, Deduct	-0.91	
32 17 23 13-0011	EA		12" High, Letter/Number, Painted Reflective Pavement Striping	8.52	
			For <10, Add	1.04	
			For >50 To 100, Deduct	-0.52	
			For >100 To 200, Deduct	-0.69	
			For >200, Deduct	-1.38	
32 17 23 13-0012	EA		24" High, Letter/Number, Painted Reflective Pavement Striping	14.29	
			For <10, Add	1.72	
			For >50 To 100, Deduct	-0.86	
			For >100 To 200, Deduct	-1.15	
			For >200, Deduct	-2.30	
32 17 23 13-0013	EA		36" High, Letter/Number, Painted Reflective Pavement Striping	27.90	
			For <10, Add	3.44	
			For >50 To 100, Deduct	-1.72	
			For >100 To 200, Deduct	-2.30	
			For >200, Deduct	-4.59	
32 17 23 13-0014	EA		48" High, Letter/Number, Painted Reflective Pavement Striping	32.18	
			For <10, Add	3.86	
			For >50 To 100, Deduct	-1.93	
			For >100 To 200, Deduct	-2.58	
			For >200, Deduct	-5.15	
32 17 23 13-0015	EA		72" High, Letter/Number, Painted Reflective Pavement Striping	57.56	
			For <10, Add	6.87	
			For >50 To 100, Deduct	-3.44	
			For >100 To 200, Deduct	-4.58	
			For >200, Deduct	-9.16	
32 17 23 13-0016	EA		96" High, Letter/Number, Painted Reflective Pavement Striping	76.98	
			For <10, Add	9.23	
			For >50 To 100, Deduct	-4.61	
			For >100 To 200, Deduct	-6.15	
			For >200, Deduct	-12.30	
32 17 23 13-0017	EA		120" High, Letter/Number, Painted Reflective Pavement Striping	110.73	
			For <10, Add	11.43	
			For >50 To 100, Deduct	-5.72	
			For >100 To 200, Deduct	-7.62	
			For >200, Deduct	-15.25	
32 17 23 13-0018	SF		Letter/Number, Painted Reflective Pavement Marking	8.02	
32 17 23 13-0019	SF		Symbols, Painted Reflective Pavement Marking	9.58	
			Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0020	EA		Bike Lane Symbol, Painted Reflective Pavement Marking	80.20	
			Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 13-0021	EA		Railroad Crossing Symbol, Painted Reflective Pavement Marking	289.53	
			Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 13-0022	EA		Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking	93.01	
			Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 13-0023	EA		Through Lane Arrow, Painted Reflective Pavement Marking	100.47	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0024	EA		Turn Lane Arrow, Painted Reflective Pavement Marking	114.94	
			Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0025	EA		Dual Turn Lane Arrow, Painted Reflective Pavement Marking	163.70	
			Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0026	EA		Turn And Through Lane Arrow, Painted Reflective Pavement Marking	167.04	
			Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0027	EA		Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking	218.23	
			Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0028	EA		Elongated Through Lane Arrow, Painted Reflective Pavement Marking	94.61	
			Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 13-0029	EA		Elongated Turn Lane Arrow, Painted Reflective Pavement Marking	112.51	
			Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 13-0030	EA		Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking	151.47	
			Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 13-0031	EA		Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking	155.92	
			Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 13-0032	EA		Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking	203.79	
			Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 13-0033	EA		Lane-Reduction Arrow, Painted Reflective Pavement Marking	182.62	
			Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 13-0034	EA		Wrong-Way Arrow, Painted Reflective Pavement Marking	228.25	
			Note: Approximate overall dimensions: 6' width x 24' height.		
32 17 23 13-0035			Painted Reflective Pavement Marking (CALTRANS) (32 17 23 13-0001)		
			Note: 20 to 25 mil thickness, per LF of detail.		
32 17 23 13-0036	LF		CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.29	
			For Up To 5,000 LF, Add	0.06	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0037	LF		CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.47	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.07	
32 17 23 13-0038	LF		CALTRANS Detail 4 Centerline	1.09	
			For Up To 5,000 LF, Add	0.22	
			For >25,000 LF, Deduct	-0.16	
32 17 23 13-0039	LF		CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.28	
			For Up To 5,000 LF, Add	0.06	
			For >25,000 LF, Deduct	-0.04	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 17 23 13-0040	LF	CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.48	
		<i>For Up To 5,000 LF, Add</i>	0.10	
		<i>For >25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0041	LF	CALTRANS Detail 7 Centerline	0.79	
		<i>For Up To 5,000 LF, Add</i>	0.16	
		<i>For >25,000 LF, Deduct</i>	-0.12	
32 17 23 13-0042	LF	CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.29	
		<i>For Up To 5,000 LF, Add</i>	0.06	
		<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0043	LF	CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.47	
		<i>For Up To 5,000 LF, Add</i>	0.09	
		<i>For >25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0044	LF	CALTRANS Detail 10 Lanelines	1.09	
		<i>For Up To 5,000 LF, Add</i>	0.22	
		<i>For >25,000 LF, Deduct</i>	-0.16	
32 17 23 13-0045	LF	CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.28	
		<i>For Up To 5,000 LF, Add</i>	0.06	
		<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0046	LF	CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.47	
		<i>For Up To 5,000 LF, Add</i>	0.09	
		<i>For >25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0047	LF	CALTRANS Detail 13 Lanelines	0.79	
		<i>For Up To 5,000 LF, Add</i>	0.16	
		<i>For >25,000 LF, Deduct</i>	-0.12	
32 17 23 13-0048	LF	CALTRANS Detail 14 Lanelines	0.79	
		<i>For Up To 5,000 LF, Add</i>	0.16	
		<i>For >25,000 LF, Deduct</i>	-0.12	
32 17 23 13-0049	LF	CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping	0.47	
		<i>For Up To 5,000 LF, Add</i>	0.09	
		<i>For >25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0050	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.38	
		<i>For Up To 5,000 LF, Add</i>	0.08	
		<i>For >25,000 LF, Deduct</i>	-0.06	
		<i>For Broken Line On One Side, Deduct</i>	-0.05	
		<i>For Double Broken Line, Deduct</i>	-0.09	
32 17 23 13-0051	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	1.11	
		<i>For Up To 5,000 LF, Add</i>	0.22	
		<i>For >25,000 LF, Deduct</i>	-0.17	
32 17 23 13-0052	LF	CALTRANS Detail 17 No Passing Zones-One Direction Lanelines	3.16	
		<i>For Up To 5,000 LF, Add</i>	0.63	
		<i>For >25,000 LF, Deduct</i>	-0.47	
32 17 23 13-0053	LF	CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.38	
		<i>For Up To 5,000 LF, Add</i>	0.08	
		<i>For >25,000 LF, Deduct</i>	-0.06	
		<i>For Broken Line On One Side, Deduct</i>	-0.05	
		<i>For Double Broken Line, Deduct</i>	-0.09	
32 17 23 13-0054	LF	CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.93	
		<i>For Up To 5,000 LF, Add</i>	0.19	
		<i>For >25,000 LF, Deduct</i>	-0.14	
32 17 23 13-0055	LF	CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	2.67	
		<i>For Up To 5,000 LF, Add</i>	0.53	
		<i>For >25,000 LF, Deduct</i>	-0.40	
32 17 23 13-0056	LF	CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.45	
		<i>For Up To 5,000 LF, Add</i>	0.09	
		<i>For >25,000 LF, Deduct</i>	-0.07	
		<i>For Broken Line On One Side, Deduct</i>	-0.07	
		<i>For Double Broken Line, Deduct</i>	-0.14	
32 17 23 13-0057	LF	CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	1.18	
		<i>For Up To 5,000 LF, Add</i>	0.24	
		<i>For >25,000 LF, Deduct</i>	-0.18	
32 17 23 13-0058	LF	CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	3.77	
		<i>For Up To 5,000 LF, Add</i>	0.75	
		<i>For >25,000 LF, Deduct</i>	-0.57	
32 17 23 13-0059	LF	CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.36	
		<i>For Up To 5,000 LF, Add</i>	0.07	
		<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0060	LF	CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.54	
		<i>For Up To 5,000 LF, Add</i>	0.11	
		<i>For >25,000 LF, Deduct</i>	-0.08	
32 17 23 13-0061	LF	CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.72	
		<i>For Up To 5,000 LF, Add</i>	0.14	
		<i>For >25,000 LF, Deduct</i>	-0.11	
32 17 23 13-0062	LF	CALTRANS Detail 26 Left Edgelines	0.18	
		<i>For Up To 5,000 LF, Add</i>	0.04	
		<i>For >25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0063	LF	CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.63	
		<i>For Up To 5,000 LF, Add</i>	0.13	
		<i>For >25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0064	LF	CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.36	
		<i>For Up To 5,000 LF, Add</i>	0.07	
		<i>For >25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0065	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.28	
		<i>For Up To 5,000 LF, Add</i>	0.06	
		<i>For >25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0066	LF	CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	0.89	
		<i>For Up To 5,000 LF, Add</i>	0.18	
		<i>For >25,000 LF, Deduct</i>	-0.13	
		<i>For Broken Line On One Side, Deduct</i>	-0.14	
		<i>For Double Broken Line, Deduct</i>	-0.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0067	LF		CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	1.62	
			For Up To 5,000 LF, Add	0.32	
			For >25,000 LF, Deduct	-0.24	
32 17 23 13-0068	LF		CALTRANS Detail 30 Median Islands	7.55	
			For Up To 5,000 LF, Add	1.51	
			For >25,000 LF, Deduct	-1.13	
32 17 23 13-0069	LF		CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.75	
			For Up To 5,000 LF, Add	0.15	
			For >25,000 LF, Deduct	-0.11	
			For Broken Line On One Side, Deduct	-0.09	
			For Double Broken Line, Deduct	-0.18	
32 17 23 13-0070	LF		CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	1.66	
			For Up To 5,000 LF, Add	0.33	
			For >25,000 LF, Deduct	-0.25	
32 17 23 13-0071	LF		CALTRANS Detail 33 Two-Way Left Turn Lanes	5.17	
			For Up To 5,000 LF, Add	1.03	
			For >25,000 LF, Deduct	-0.78	
32 17 23 13-0072	LF		CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.93	
			For Up To 5,000 LF, Add	0.19	
			For >25,000 LF, Deduct	-0.14	
32 17 23 13-0073	LF		CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.38	
			For Up To 5,000 LF, Add	0.08	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0074	LF		CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	1.12	
			For Up To 5,000 LF, Add	0.22	
			For >25,000 LF, Deduct	-0.17	
32 17 23 13-0075	LF		CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.38	
			For Up To 5,000 LF, Add	0.08	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0076	LF		CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	1.85	
			For Up To 5,000 LF, Add	0.37	
			For >25,000 LF, Deduct	-0.28	
32 17 23 13-0077	LF		CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	1.19	
			For Up To 5,000 LF, Add	0.24	
			For >25,000 LF, Deduct	-0.18	
32 17 23 13-0078	LF		CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	1.27	
			For Up To 5,000 LF, Add	0.25	
			For >25,000 LF, Deduct	-0.19	
32 17 23 13-0079	LF		CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	1.18	
			For Up To 5,000 LF, Add	0.24	
			For >25,000 LF, Deduct	-0.18	
32 17 23 13-0080	LF		CALTRANS Detail 37A Lane Drop At Exit Ramps	2.53	
			For Up To 5,000 LF, Add	0.51	
			For >25,000 LF, Deduct	-0.38	
32 17 23 13-0081	LF		CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	1.18	
			For Up To 5,000 LF, Add	0.24	
			For >25,000 LF, Deduct	-0.18	
32 17 23 13-0082	LF		CALTRANS Detail 37C Lane Drop At Intersections	2.53	
			For Up To 5,000 LF, Add	0.51	
			For >25,000 LF, Deduct	-0.38	
32 17 23 13-0083	LF		CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	1.09	
			For Up To 5,000 LF, Add	0.22	
			For >25,000 LF, Deduct	-0.16	
32 17 23 13-0084	LF		CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.72	
			For Up To 5,000 LF, Add	0.14	
			For >25,000 LF, Deduct	-0.11	
32 17 23 13-0085	LF		CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	1.45	
			For Up To 5,000 LF, Add	0.29	
			For >25,000 LF, Deduct	-0.22	
32 17 23 13-0086	LF		CALTRANS Detail 38C Channelizing Line	3.77	
			For Up To 5,000 LF, Add	0.75	
			For >25,000 LF, Deduct	-0.57	
32 17 23 13-0087	LF		CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.43	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0088	LF		CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.35	
			For Up To 5,000 LF, Add	0.07	
			For >25,000 LF, Deduct	-0.05	
32 17 23 13-0089	LF		CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.27	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0090	LF		CALTRANS Detail 40A Lane Line Extensions Through Intersections	1.82	
			For Up To 5,000 LF, Add	0.36	
			For >25,000 LF, Deduct	-0.27	
32 17 23 13-0091	LF		CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.27	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0092	LF		CALTRANS Detail 41A Center Line Extensions Through Intersections	1.82	
			For Up To 5,000 LF, Add	0.36	
			For >25,000 LF, Deduct	-0.27	
32 17 23 13-0093	EA		CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	127.64	
			For <10, Add	16.72	
			For >50 To 100, Deduct	-8.36	
			For >100 To 200, Deduct	-11.15	
			For >200, Deduct	-22.29	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 17 23 13-0094	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	223.94
		For <10, Add	29.26
		For >50 To 100, Deduct	-14.63
		For >100 To 200, Deduct	-19.50
		For >200, Deduct	-39.01
32 17 23 13-0095	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	281.04
		For <10, Add	36.78
		For >50 To 100, Deduct	-18.39
		For >100 To 200, Deduct	-24.52
		For >200, Deduct	-49.04
32 17 23 13-0096	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	408.67
		For <10, Add	53.50
		For >50 To 100, Deduct	-26.75
		For >100 To 200, Deduct	-35.66
		For >200, Deduct	-71.33
32 17 23 13-0097	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	536.31
		For <10, Add	70.22
		For >50 To 100, Deduct	-35.11
		For >100 To 200, Deduct	-46.81
		For >200, Deduct	-93.62
32 17 23 13-0098	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking.....	377.34
		For <10, Add	49.32
		For >50 To 100, Deduct	-24.66
		For >100 To 200, Deduct	-32.88
		For >200, Deduct	-65.76
32 17 23 13-0099	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking.....	658.38
		For <10, Add	86.10
		For >50 To 100, Deduct	-43.05
		For >100 To 200, Deduct	-57.40
		For >200, Deduct	-114.80
32 17 23 13-0100	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	134.37
		For <10, Add	17.55
		For >50 To 100, Deduct	-8.78
		For >100 To 200, Deduct	-11.70
		For >200, Deduct	-23.41
32 17 23 13-0101	EA	CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking.....	294.49
		For <10, Add	38.45
		For >50 To 100, Deduct	-19.23
		For >100 To 200, Deduct	-25.63
		For >200, Deduct	-51.27
32 17 23 13-0102	EA	CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking.....	377.34
		For <10, Add	49.32
		For >50 To 100, Deduct	-24.66
		For >100 To 200, Deduct	-32.88
		For >200, Deduct	-65.76
32 17 23 13-0103	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking.....	243.18
		For <10, Add	31.76
		For >50 To 100, Deduct	-15.88
		For >100 To 200, Deduct	-21.18
		For >200, Deduct	-42.35
32 17 23 13-0104	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	320.25
		For <10, Add	41.79
		For >50 To 100, Deduct	-20.90
		For >100 To 200, Deduct	-27.86
		For >200, Deduct	-55.73
32 17 23 13-0105	EA	CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	63.82
		For <10, Add	8.36
		For >50 To 100, Deduct	-4.18
		For >100 To 200, Deduct	-5.57
		For >200, Deduct	-11.15
32 17 23 13-0106	EA	CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	610.33
		Note: Excludes variable width transverse lines.	
		For <10, Add	79.41
		For >50 To 100, Deduct	-39.71
		For >100 To 200, Deduct	-52.94
		For >200, Deduct	-105.88
32 17 23 13-0107	SF	CALTRANS Solid Area, Painted Reflective Pavement Marking.....	7.96
32 17 23 13-0108	EA	CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking	59.52
		Note: Approximate overall dimensions: 4' width x 8' height.	
		For <10, Add	6.02
		For >50 To 100, Deduct	-3.01
		For >100 To 200, Deduct	-4.01
		For >200, Deduct	-8.02
32 17 23 13-0109	EA	CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	63.05
		Note: Approximate overall dimensions: 4' width x 8' height.	
		For <10, Add	6.35
		For >50 To 100, Deduct	-3.18
		For >100 To 200, Deduct	-4.24
		For >200, Deduct	-8.47
32 17 23 13-0110	EA	CALTRANS Diamond Symbol, Painted Reflective Pavement Marking.....	101.88
		For <10, Add	13.37
		For >50 To 100, Deduct	-6.69
		For >100 To 200, Deduct	-8.92
		For >200, Deduct	-17.83
32 17 23 13-0111	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking.....	207.14
		For <10, Add	27.08
		For >50 To 100, Deduct	-13.54
		For >100 To 200, Deduct	-18.06
		For >200, Deduct	-36.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0112	EA		CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	44.58	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			For <10, Add	6.35	
			For >50 To 100, Deduct	-3.18	
			For >100 To 200, Deduct	-4.24	
			For >200, Deduct	-8.47	
32 17 23 13-0113	SF		CALTRANS Letter/Number, Painted Reflective Pavement Marking	8.07	
32 17 23 13-0114	SF		CALTRANS Symbols, Painted Reflective Pavement Marking	8.97	
			Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0115 Epoxy Reflective Pavement Marking (32 17 23 13-0001)					
			Note: 15 mil thickness.		
32 17 23 13-0116	LF		Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.63	
			For 20 Mil Thickness, Add	0.14	
			For Up To 5,000 LF, Add	0.13	
			For >25,000 LF, Deduct	-0.09	
			For Broken Line, Deduct	-0.28	
32 17 23 13-0117	LF		Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.87	
			For 20 Mil Thickness, Add	0.20	
			For Up To 5,000 LF, Add	0.17	
			For >25,000 LF, Deduct	-0.13	
			For Broken Line, Deduct	-0.42	
32 17 23 13-0118	LF		Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.06	
			For 20 Mil Thickness, Add	0.24	
			For Up To 5,000 LF, Add	0.21	
			For >25,000 LF, Deduct	-0.16	
			For Broken Line, Deduct	-0.50	
32 17 23 13-0119	LF		Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.60	
			For 20 Mil Thickness, Add	0.39	
			For Up To 5,000 LF, Add	0.32	
			For >25,000 LF, Deduct	-0.24	
			For Broken Line, Deduct	-0.82	
32 17 23 13-0120	LF		Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.99	
			For 20 Mil Thickness, Add	0.26	
			For Up To 5,000 LF, Add	0.20	
			For >25,000 LF, Deduct	-0.15	
			For Broken Line On One Side, Deduct	-0.27	
			For Double Broken Line, Deduct	-0.55	
32 17 23 13-0121	LF		Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	1.41	
			For 20 Mil Thickness, Add	0.38	
			For Up To 5,000 LF, Add	0.28	
			For >25,000 LF, Deduct	-0.21	
			For Broken Line On One Side, Deduct	-0.41	
			For Double Broken Line, Deduct	-0.83	
32 17 23 13-0122	SF		Solid Area, Epoxy Reflective Pavement Marking.....	8.65	
			Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
			For 20 Mil Thickness, Add	0.99	
32 17 23 13-0123	EA		6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	5.36	
			For 20 Mil Thickness, Add	0.49	
			For <10, Add	0.69	
			For >50 To 100, Deduct	-0.34	
			For >100 To 200, Deduct	-0.46	
			For >200, Deduct	-0.91	
32 17 23 13-0124	EA		12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	9.75	
			For 20 Mil Thickness, Add	1.29	
			For <10, Add	1.04	
			For >50 To 100, Deduct	-0.52	
			For >100 To 200, Deduct	-0.69	
			For >200, Deduct	-1.38	
32 17 23 13-0125	EA		24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	16.46	
			For 20 Mil Thickness, Add	2.23	
			For <10, Add	1.72	
			For >50 To 100, Deduct	-0.86	
			For >100 To 200, Deduct	-1.15	
			For >200, Deduct	-2.30	
32 17 23 13-0126	EA		36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	31.70	
			For 20 Mil Thickness, Add	4.06	
			For <10, Add	3.44	
			For >50 To 100, Deduct	-1.72	
			For >100 To 200, Deduct	-2.30	
			For >200, Deduct	-4.59	
32 17 23 13-0127	EA		48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	37.12	
			For 20 Mil Thickness, Add	5.08	
			For <10, Add	3.86	
			For >50 To 100, Deduct	-1.93	
			For >100 To 200, Deduct	-2.58	
			For >200, Deduct	-5.15	
32 17 23 13-0128	EA		72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	66.59	
			For 20 Mil Thickness, Add	9.22	
			For <10, Add	6.87	
			For >50 To 100, Deduct	-3.44	
			For >100 To 200, Deduct	-4.58	
			For >200, Deduct	-9.16	
32 17 23 13-0129	EA		96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	88.86	
			For 20 Mil Thickness, Add	12.19	
			For <10, Add	9.23	
			For >50 To 100, Deduct	-4.61	
			For >100 To 200, Deduct	-6.15	
			For >200, Deduct	-12.30	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 17 23 13-0130	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	137.24	
		For 20 Mil Thickness, Add	24.15	
		For <10, Add	11.43	
		For >50 To 100, Deduct	-5.72	
		For >100 To 200, Deduct	-7.62	
		For >200, Deduct	-15.25	
32 17 23 13-0131	SF	Letter/Number, Epoxy Reflective Pavement Marking.....	8.88	
		For 20 Mil Thickness, Add	1.00	
32 17 23 13-0132	SF	Symbols, Epoxy Reflective Pavement Marking.....	11.22	
		Note: Handicap, railroad, diamond, arrows, etc.		
		For 20 Mil Thickness, Add	1.12	
32 17 23 13-0133	EA	Bike Lane Symbol, Epoxy Reflective Pavement Marking.....	107.56	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For 20 Mil Thickness, Add	23.22	
32 17 23 13-0134	EA	Railroad Crossing Symbol, Epoxy Reflective Pavement Marking.....	426.36	
		Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
		For 20 Mil Thickness, Add	110.53	
32 17 23 13-0135	EA	Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking.....	123.80	
		Note: Approximate overall dimensions: 3' width x 12' height.		
		For 20 Mil Thickness, Add	26.26	
32 17 23 13-0136	EA	Through Lane Arrow, Epoxy Reflective Pavement Marking.....	130.41	
		Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
		For 20 Mil Thickness, Add	26.04	
32 17 23 13-0137	EA	Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	155.99	
		Note: Approximate overall dimensions: 6' width x 8' height.		
		For 20 Mil Thickness, Add	34.56	
32 17 23 13-0138	EA	Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	238.96	
		Note: Approximate overall dimensions: 11' width x 8' height.		
		For 20 Mil Thickness, Add	61.02	
32 17 23 13-0139	EA	Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	244.87	
		Note: Approximate overall dimensions: 7' width x 13' height.		
		For 20 Mil Thickness, Add	62.99	
32 17 23 13-0140	EA	Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	333.69	
		Note: Approximate overall dimensions: 9' width x 15' height.		
		For 20 Mil Thickness, Add	91.96	
32 17 23 13-0141	EA	Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking.....	111.65	
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
		For 20 Mil Thickness, Add	16.69	
32 17 23 13-0142	EA	Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	143.30	
		Note: Approximate overall dimensions: 3' width x 12' height.		
		For 20 Mil Thickness, Add	27.24	
32 17 23 13-0143	EA	Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	180.67	
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
		For 20 Mil Thickness, Add	38.12	
32 17 23 13-0144	EA	Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	184.91	
		Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
		For 20 Mil Thickness, Add	39.53	
32 17 23 13-0145	EA	Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	297.86	
		Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
		For 20 Mil Thickness, Add	76.23	
32 17 23 13-0146	EA	Lane-Reduction Arrow, Epoxy Reflective Pavement Marking.....	264.86	
		Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
		For 20 Mil Thickness, Add	67.76	
32 17 23 13-0147	EA	Wrong-Way Arrow, Epoxy Reflective Pavement Marking.....	253.32	
		Note: Approximate overall dimensions: 6' width x 24' height.		
		For 20 Mil Thickness, Add	65.17	

32 17 23 13-0148 Painted Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)

Note: Includes primers. Per Coat.

32 17 23 13-0149 Painted Pavement Marking For Parking Areas (32 17 23 13-0148)

Note: 15 mil thickness.

32 17 23 13-0150	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.30	
32 17 23 13-0151	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.41	
32 17 23 13-0152	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.51	
32 17 23 13-0153	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.69	
32 17 23 13-0154	SF	Solid Area, Painted Pavement Marking For Parking Areas.....	6.88	
		Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0155	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	4.89	
		For Up To 10, Add	0.67	
		For >50 To 100, Deduct	-0.33	
		For >100 To 200, Deduct	-0.45	
		For >200, Deduct	-0.89	
32 17 23 13-0156	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	8.23	
		For Up To 10, Add	1.00	
		For >50 To 100, Deduct	-0.50	
		For >100 To 200, Deduct	-0.67	
		For >200, Deduct	-1.34	
32 17 23 13-0157	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	13.86	
		For Up To 10, Add	1.67	
		For >50 To 100, Deduct	-0.84	
		For >100 To 200, Deduct	-1.11	
		For >200, Deduct	-2.23	
32 17 23 13-0158	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	25.95	
		For Up To 10, Add	3.18	
		For >50 To 100, Deduct	-1.59	
		For >100 To 200, Deduct	-2.12	
		For >200, Deduct	-4.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0159	EA		42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	34.47	
			For Up To 10, Add	4.35	
			For >50 To 100, Deduct	-2.17	
			For >100 To 200, Deduct	-2.90	
			For >200, Deduct	-5.80	
32 17 23 13-0160	EA		48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	41.88	
			For Up To 10, Add	5.35	
			For >50 To 100, Deduct	-2.68	
			For >100 To 200, Deduct	-3.57	
			For >200, Deduct	-7.13	
32 17 23 13-0161	EA		72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	55.92	
			For Up To 10, Add	6.69	
			For >50 To 100, Deduct	-3.34	
			For >100 To 200, Deduct	-4.46	
			For >200, Deduct	-8.92	
32 17 23 13-0162	EA		Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	99.12	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0163	EA		Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	113.09	
			Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0164	EA		Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	160.31	
			Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0165	EA		Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	163.53	
			Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0166	EA		Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	213.02	
			Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0167	EA		Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas.....	40.70	
			Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
			For Blue Background With White Symbol, Add	29.90	
			For Blue Background With White Symbol And Border, Add	37.37	
32 17 23 13-0168	EA		Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas.....	59.27	
			Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
			For Blue Background With White Symbol, Add	60.78	
			For Blue Background With White Symbol And Border, Add	75.98	
32 17 23 13-0169 Painted Curbs (32 17 23 13)					
			Note: All colors.		
32 17 23 13-0170	LF		Reflective Painted Curb.....	3.76	
32 17 23 13-0171	LF		Reflective Painted Curb And Gutter.....	7.14	
32 17 23 13-0172	LF		Painted Curb.....	3.04	
32 17 23 13-0173	LF		Painted Curb And Gutter.....	6.51	
32 17 23 13-0174 Markings For Outdoor Play Areas, Courts (32 17 23 13)					
32 17 23 13-0175	LF		2" Wide Marking For Outdoor Play Areas.....	1.08	
32 17 23 13-0176	LF		3" Wide Marking For Outdoor Play Areas.....	1.23	
32 17 23 13-0177	LF		4" Wide Marking For Outdoor Play Areas.....	1.39	
32 17 23 13-0178	LF		6" Wide Marking For Outdoor Play Areas.....	1.64	
32 17 23 13-0179	EA		Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera).....	377.51	
32 17 23 23 Raised Pavement Markings (32 17 23)					
32 17 23 23-0001 Raised Pavement Markers (RPMs) (32 17 23 23)					
			Note: White, Red, Yellow/Amber, Green or Blue		
32 17 23 23-0002	EA		One-Way Reflective, Raised Pavement Marker (RPM).....	8.28	2.80
			Note: Type G, H or R		
			For >100, Deduct	-0.83	
32 17 23 23-0003	EA		Two-Way Reflective, Raised Pavement Marker (RPM).....	8.80	2.80
			Note: Type B, C, D, AC, RA or RR		
			For >100, Deduct	-0.88	
32 17 23 23-0004	EA		4" Diameter, Round Reflective, Raised Pavement Marker (RPM).....	10.93	2.80
			For >100, Deduct	-1.09	
32 17 23 23-0005	EA		4" Diameter, Non-Reflective, Raised Pavement Marker (RPM).....	7.60	2.80
			Note: Type A or AY		
			For >100, Deduct	-0.76	
32 17 23 23-0006 Snowplowable Pavement Markers (32 17 23 23)					
32 17 23 23-0007	EA		One-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	81.52	34.34
			Note: Type G, H or R		
32 17 23 23-0008	EA		Two-Way Reflective, Snowplowable Pavement Marker With Center Rail.....	81.97	34.34
			Note: Type B, C, D, AC, RA or RR		
32 17 23 23-0009	EA		Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker.....	23.81	
32 17 23 23-0010	EA		Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker.....	29.99	
32 17 23 33 Plastic Pavement Markings (32 17 23)					
32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23 33)					
			Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002 Thermoplastic Reflective Pavement Marking (32 17 23 33-0001)					
			Note: 90 mil thickness.		

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 17 23 33-0003	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.50	
		For Up To 5,000 LF, Add	0.30	
		For >25,000 LF, Deduct	-0.23	
		For 60 mils Thick, Deduct	-0.20	
		For 125 mils Thick, Add	0.26	
		For Broken Line, Deduct	-0.87	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.14	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.43	
		For >25,000 LF, Deduct	-0.32	
		For 60 mils Thick, Deduct	-0.30	
		For 125 mils Thick, Add	0.39	
		For Broken Line, Deduct	-1.30	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.84	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.57	
		For >25,000 LF, Deduct	-0.43	
		For 60 mils Thick, Deduct	-0.40	
		For 125 mils Thick, Add	0.52	
		For Broken Line, Deduct	-1.73	
32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	4.15	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.83	
		For >25,000 LF, Deduct	-0.62	
		For 60 mils Thick, Deduct	-0.61	
		For 125 mils Thick, Add	0.78	
		For Broken Line, Deduct	-2.60	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.82	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.56	
		For >25,000 LF, Deduct	-0.42	
		For 60 mils Thick, Deduct	-0.40	
		For 125 mils Thick, Add	0.52	
		For Broken Line On One Side, Deduct	-0.87	
		For Double Broken Line, Deduct	-1.73	
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	4.15	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	0.83	
		For >25,000 LF, Deduct	-0.62	
		For 60 mils Thick, Deduct	-0.61	
		For 125 mils Thick, Add	0.78	
		For Broken Line On One Side, Deduct	-1.30	
		For Double Broken Line, Deduct	-2.60	
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	10.13	
		Note: Includes yellow or white.		
		For 60 mils Thick, Deduct	-0.60	
		For 125 mils Thick, Add	0.78	
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	6.74	
		For Up To 10, Add	0.75	
		For >50 To 100, Deduct	-0.38	
		For >100 To 200, Deduct	-0.50	
		For >200, Deduct	-1.00	
		For 60 mils Thick, Deduct	-0.30	
		For 125 mils Thick, Add	0.39	
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	13.81	
		For Up To 10, Add	1.14	
		For >50 To 100, Deduct	-0.57	
		For >100 To 200, Deduct	-0.76	
		For >200, Deduct	-1.51	
		For 60 mils Thick, Deduct	-1.09	
		For 125 mils Thick, Add	1.40	
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	23.51	
		For Up To 10, Add	1.89	
		For >50 To 100, Deduct	-0.94	
		For >100 To 200, Deduct	-1.26	
		For >200, Deduct	-2.52	
		For 60 mils Thick, Deduct	-1.91	
		For 125 mils Thick, Add	2.46	
32 17 23 33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	44.49	
		For Up To 10, Add	3.80	
		For >50 To 100, Deduct	-1.90	
		For >100 To 200, Deduct	-2.53	
		For >200, Deduct	-5.06	
		For 60 mils Thick, Deduct	-3.36	
		For 125 mils Thick, Add	4.32	
32 17 23 33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	53.26	
		For Up To 10, Add	4.25	
		For >50 To 100, Deduct	-2.12	
		For >100 To 200, Deduct	-2.83	
		For >200, Deduct	-5.66	
		For 60 mils Thick, Deduct	-4.37	
		For 125 mils Thick, Add	5.61	
32 17 23 33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	95.96	
		For Up To 10, Add	7.56	
		For >50 To 100, Deduct	-3.78	
		For >100 To 200, Deduct	-5.04	
		For >200, Deduct	-10.08	
		For 60 mils Thick, Deduct	-7.98	
		For 125 mils Thick, Add	10.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0016	EA		96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	127.63	
			For Up To 10, Add	10.15	
			For >50 To 100, Deduct	-5.07	
			For >100 To 200, Deduct	-6.77	
			For >200, Deduct	-13.53	
			For 60 mils Thick, Deduct	-10.50	
			For 125 mils Thick, Add	13.50	
32 17 23 33-0017	EA		120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	217.68	
			For Up To 10, Add	12.57	
			For >50 To 100, Deduct	-6.29	
			For >100 To 200, Deduct	-8.38	
			For >200, Deduct	-16.76	
			For 60 mils Thick, Deduct	-23.43	
			For 125 mils Thick, Add	30.12	
32 17 23 33-0018	SF		Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	11.89	
			For 60 mils Thick, Deduct	-0.76	
			For 125 mils Thick, Add	0.97	
32 17 23 33-0019	SY		Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	35.62	
			Note: Per SY of area.		
			For 60 mils Thick, Deduct	-1.36	
			For 125 mils Thick, Add	1.75	
32 17 23 33-0020	EA		Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	312.08	
			For 60 mils Thick, Deduct	-17.38	
			For 125 mils Thick, Add	22.35	
32 17 23 33-0021	EA		Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	926.41	
			For 60 mils Thick, Deduct	-52.90	
			For 125 mils Thick, Add	68.02	
32 17 23 33-0022	EA		Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	181.39	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			For 60 mils Thick, Deduct	-23.94	
			For 125 mils Thick, Add	30.78	
32 17 23 33-0023	EA		Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	149.26	
			For 60 mils Thick, Deduct	-8.31	
			For 125 mils Thick, Add	10.69	
32 17 23 33-0024	SF		Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	13.57	
			Note: Handicap, railroad, diamond, arrows, etc.		
			For 60 mils Thick, Deduct	-0.76	
			For 125 mils Thick, Add	0.97	
32 17 23 33-0025	EA		10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	189.96	
			For 60 mils Thick, Deduct	-10.58	
			For 125 mils Thick, Add	13.60	
32 17 23 33-0026	EA		18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	339.22	
			For 60 mils Thick, Deduct	-18.89	
			For 125 mils Thick, Add	24.29	
32 17 23 33-0027	EA		24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	420.64	
			For 60 mils Thick, Deduct	-23.43	
			For 125 mils Thick, Add	30.12	
32 17 23 33-0028	EA		24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	610.60	
			For 60 mils Thick, Deduct	-34.01	
			For 125 mils Thick, Add	43.72	
32 17 23 33-0029	EA		24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	800.57	
			For 60 mils Thick, Deduct	-44.59	
			For 125 mils Thick, Add	57.33	
32 17 23 33-0030	EA		24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	569.89	
			For 60 mils Thick, Deduct	-31.74	
			For 125 mils Thick, Add	40.81	
32 17 23 33-0031	EA		24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	990.53	
			For 60 mils Thick, Deduct	-55.17	
			For 125 mils Thick, Add	70.93	
32 17 23 33-0032	EA		8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	203.54	
			For 60 mils Thick, Deduct	-11.34	
			For 125 mils Thick, Add	14.58	
32 17 23 33-0033	EA		24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	447.77	
			For 60 mils Thick, Deduct	-24.94	
			For 125 mils Thick, Add	32.06	
32 17 23 33-0034	EA		18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	569.89	
			For 60 mils Thick, Deduct	-31.74	
			For 125 mils Thick, Add	40.81	
32 17 23 33-0035	EA		13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	366.37	
			For 60 mils Thick, Deduct	-20.41	
			For 125 mils Thick, Add	26.24	
32 17 23 33-0036	EA		15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	488.48	
			For 60 mils Thick, Deduct	-27.21	
			For 125 mils Thick, Add	34.98	
32 17 23 33-0037	EA		5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	94.99	
			For 60 mils Thick, Deduct	-5.29	
			For 125 mils Thick, Add	6.80	
32 17 23 33-0038	EA		Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	495.69	
			Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
			For 60 mils Thick, Deduct	-74.07	
			For 125 mils Thick, Add	95.23	
32 17 23 33-0039	EA		Wrong-Way Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	683.62	
			Note: Approximate overall dimensions: 6' width x 24' height.		
			For 60 mils Thick, Deduct	-107.74	
			For 125 mils Thick, Add	138.52	
32 17 23 33-0040	EA		Preferential Lane Symbol (Diamond), 90 Mil Thick, Thermoplastic Reflective Pavement Marking	206.85	
			Note: Approximate overall dimensions: 3' width x 12' height.		
			For 60 mils Thick, Deduct	-26.93	
			For 125 mils Thick, Add	34.63	

32 Exterior Improvements**32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 17 23 33-0041 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)		
32 17 23 33-0042	LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.52
	For 60 mils Thick, Deduct	-0.20
	For 125 mils Thick, Add	0.26
32 17 23 33-0043	LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.42
	For 60 mils Thick, Deduct	-0.30
	For 125 mils Thick, Add	0.39
32 17 23 33-0044	LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	5.44
	For 60 mils Thick, Deduct	-0.40
	For 125 mils Thick, Add	0.52
32 17 23 33-0045	LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	7.81
	For 60 mils Thick, Deduct	-0.61
	For 125 mils Thick, Add	0.78
32 17 23 33-0046	LF Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	13.99
	For 60 mils Thick, Deduct	-1.21
	For 125 mils Thick, Add	1.56
32 17 23 33-0047 Preformed, Patterned Reflective Pavement Marking Tape (32 17 23 33-0001)		
Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0048	LF Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	3.19
	Note: Includes yellow or white.	
	For Up To 5,000 LF, Add	0.64
	For >25,000 LF, Deduct	-0.48
32 17 23 33-0049	LF Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	4.71
	Note: Includes yellow or white.	
	For Up To 5,000 LF, Add	0.94
	For >25,000 LF, Deduct	-0.71
32 17 23 33-0050	LF Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	6.26
	Note: Includes yellow or white.	
	For Up To 5,000 LF, Add	1.25
	For >25,000 LF, Deduct	-0.94
32 17 23 33-0051	LF Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	9.28
	Note: Includes yellow or white.	
	For Up To 5,000 LF, Add	1.86
	For >25,000 LF, Deduct	-1.39
32 17 23 33-0052	SF Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape	26.41
	Note: Includes yellow or white.	
32 17 23 33-0053	EA 6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	39.16
	For <10, Add	1.37
	For >50 To 100, Deduct	-0.69
	For >100 To 200, Deduct	-0.91
	For >200, Deduct	-1.83
32 17 23 33-0054	EA 12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	68.72
	For <10, Add	1.74
	For >50 To 100, Deduct	-0.87
	For >100 To 200, Deduct	-1.16
	For >200, Deduct	-2.32
32 17 23 33-0055	EA 24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	118.33
	For <10, Add	3.44
	For >50 To 100, Deduct	-1.72
	For >100 To 200, Deduct	-2.30
	For >200, Deduct	-4.59
32 17 23 33-0056	EA 36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	172.00
	For <10, Add	6.89
	For >50 To 100, Deduct	-3.44
	For >100 To 200, Deduct	-4.59
	For >200, Deduct	-9.18
32 17 23 33-0057	EA 48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	201.39
	For <10, Add	7.72
	For >50 To 100, Deduct	-3.86
	For >100 To 200, Deduct	-5.15
	For >200, Deduct	-10.30
32 17 23 33-0058	EA 72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	260.11
	For <10, Add	13.74
	For >50 To 100, Deduct	-6.87
	For >100 To 200, Deduct	-9.16
	For >200, Deduct	-18.32
32 17 23 33-0059	EA 96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	332.20
	For <10, Add	18.46
	For >50 To 100, Deduct	-9.23
	For >100 To 200, Deduct	-12.30
	For >200, Deduct	-24.61
32 17 23 33-0060	EA 120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	416.24
	For <10, Add	22.87
	For >50 To 100, Deduct	-11.44
	For >100 To 200, Deduct	-15.25
	For >200, Deduct	-30.49
32 17 23 33-0061	SF Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	27.30
32 17 23 33-0062	SF Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	28.98
	Note: Handicap, railroad, diamond symbol, etc.	
32 17 23 33-0063 Preformed, Thermoplastic Reflective Pavement Marking (32 17 23 33-0001)		
Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0064	EA Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	414.18
	Note: Approximate overall dimensions: 4' width x 8' height.	
32 17 23 33-0065	EA Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	1,098.21
	Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 17 23 33-0066	EA		Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 220.35 Note: Approximate overall dimensions: 3-1/4' width x 13' height.		
32 17 23 33-0067	EA		6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 186.66 Note: Approximate overall dimensions: 2' width x 6' height.		
32 17 23 33-0068	EA		9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 360.78 Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.		
32 17 23 33-0069	EA		4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 215.96 Note: Approximate overall dimensions: 3' width x 4' height.		
32 17 23 33-0070	EA		8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 401.43 Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 33-0071	EA		Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape..... 684.76 Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.		
32 17 23 33-0072	EA		Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 1,029.96 Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.		
32 17 23 33-0073	EA		Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 371.70 Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
32 17 23 33-0074	EA		Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 412.35 Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 33-0075	EA		Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 757.82 Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 33-0076	EA		Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 697.01 Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 33-0077	EA		Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 700.36 Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
32 17 23 33-0078	EA		Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape 961.52 Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 33-0079			Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 33)		
32 17 23 33-0080			Thermoplastic Pavement Marking Symbols For Parking Areas (32 17 23 33-0079) Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0081	EA		28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 141.82 Note: White or blue symbol. Excludes striping.		
32 17 23 33-0082	EA		39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 528.63 Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
32 17 23 33-0083	EA		40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 300.22 Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0084	EA		45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 360.38 Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0085	EA		48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas 377.65 Note: White symbol on blue background. Excludes striping.		
32 17 26			Tactile Warning Surfaces (32 17)		
32 17 26 00-0001			Vitrified Polymer Composite (VPC); (Armor Tile) (32 17 26) Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF		Surface Applied VPC Truncated Dome Detectable Warning Surface 71.42	10.93	
32 17 26 00-0003	SF		Embedded, VPC Truncated Dome Detectable Warning Surface 57.22 Note: Also raised strips or directional bars. All colors.	10.93	
32 17 26 00-0004			Fiber-Reinforced, Polymer Modified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) (32 17 26) Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005	SF		Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) 84.95 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.	10.93	
32 17 26 00-0006	SF		>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) 75.12 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.	10.93	

32 30 Site Improvements (32)

32 31 Fences and Gates (32 30)

32 31 11 Gate Operators (32 31)

32 31 11 00-0001			Gate Operators (32 31 11) Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002			Gate Operators (DKS™ DoorKing®) (32 31 11 00-0001)		
32 31 11 00-0003			Swing Gate Actuator (DKS™ DoorKing®) (32 31 11 00-0002)		
32 31 11 00-0004			Single Gate, Swing Gate Actuator (32 31 11 00-0003)		
32 31 11 00-0005	EA		Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) 2,084.69 Note: Includes one primary operator with a 10' wide gate capacity.	230.97	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 11 00-0006	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary operator with a 14' wide gate capacity.	2,787.89	230.97
32 31 11 00-0007		Dual Gate, Swing Gate Actuator (32 31 11 00-0003)		
32 31 11 00-0008	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	4,169.39	461.92
32 31 11 00-0009	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	5,575.78	461.92
32 31 11 00-0010		Swing Gate Operators (DKS™ DoorKing®) (32 31 11 00-0002)		
32 31 11 00-0011		Single Gate, Swing Gate Operators (32 31 11 00-0010)		
32 31 11 00-0012	EA	400 Lb. Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary operator with a 10' wide and 400 Lb. gate capacity.	4,284.44	230.97
32 31 11 00-0013	EA	500 Lb. Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary operator with a 14' wide and 500 Lb. gate capacity.	4,663.08	230.97
32 31 11 00-0014	EA	700 Lb. Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with an 18' wide and 700 Lb. gate capacity.	6,339.94	230.97
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0015	EA	800 Lb. Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with a 22' wide and 800 Lb. gate capacity.	7,187.39	230.97
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0016		Dual Gate, Swing Gate Operators (32 31 11 00-0010)		
32 31 11 00-0017	EA	400 Lb. Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary and one secondary operator each with a 10' wide and 400 Lb. gate capacity.	7,577.20	461.92
32 31 11 00-0018	EA	500 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary and one secondary operator each with a 14' wide and 500 Lb. gate capacity.	8,334.49	461.92
32 31 11 00-0019	EA	700 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with an 18' wide and 700 Lb. gate capacity.	11,670.18	461.92
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0020	EA	800 Lb. Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with a 22' wide and 800 Lb. gate capacity.	13,527.34	461.92
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0021		Sliding Gate Operators (DKS™ DoorKing®) (32 31 11 00-0002)		
		Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.		
32 31 11 00-0022	EA	300 Lb. Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	1,955.09	230.97
32 31 11 00-0023	EA	1,000 Lb. Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,726.19	277.15
32 31 11 00-0024	EA	1,500 Lb. Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	3,359.65	277.15
32 31 11 00-0025	EA	3,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	4,379.61	323.35
32 31 11 00-0026	EA	2,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	5,356.95	323.35
32 31 11 00-0027	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	7,295.44	369.54
32 31 11 00-0028	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	12,141.45	369.54
32 31 11 00-0029	EA	10,000 Lb. Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	20,541.27	415.74
32 31 11 00-0030		Accessories For Gate Actuators And Operators (DKS™ DoorKing®) (32 31 11 00-0002)		
32 31 11 00-0031	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	683.06	
32 31 11 00-0032	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	1,328.25	
32 31 11 00-0033	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	906.00	
32 31 11 00-0034	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	980.35	
32 31 11 00-0035	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	872.16	
32 31 11 00-0036	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	610.72	
32 31 11 00-0037	LF	#40 Chain For Sliding Gate Operators	6.11	
32 31 11 00-0038	LF	#41 Chain For Sliding Gate Operators	6.38	
32 31 11 00-0039	LF	#50 Chain For Sliding Gate Operators	8.13	
32 31 11 00-0040	LF	#60 Chain For Sliding Gate Operators	12.48	
32 31 11 00-0041	EA	Exterior Keypad Gate Operator (Linear AK-11)	760.94	162.32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

32 31 11 00-0042			Sliding Gate Operator (LiftMaster) (32 31 11 00-0001)		
32 31 11 00-0043	EA		Up To 1,500 Lb. Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U).....	2,875.24	283.21
			Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
			For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	191.03	
			For Plug-In Loop Detector Option (Liftmaster LOOPDETLTM), Add	136.74	
			For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	67.34	
			For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	270.67	
			For Each Additional 10' Chain, Add	40.54	

32 31 13 Chain Link Fences and Gates (32 31)

32 31 13 13 Chain Link Fences and Gates (32 31 13)

32 31 13 13-0001			Post Holes (32 31 13 13)		
			Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.		
32 31 13 13-0002			Auger By Machine Fence Post Hole In Soil (32 31 13 13-0001)		
32 31 13 13-0003	VLF		Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	10.14	
32 31 13 13-0004	VLF		2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	11.41	
32 31 13 13-0005	VLF		3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	13.52	
32 31 13 13-0006	VLF		4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	15.21	
32 31 13 13-0007	VLF		6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	16.60	
32 31 13 13-0008	VLF		8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	18.26	
32 31 13 13-0009	VLF		10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	20.29	
32 31 13 13-0010	VLF		12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	22.82	
32 31 13 13-0011	VLF		18" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	26.08	
32 31 13 13-0012	VLF		24" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	30.43	
32 31 13 13-0013	VLF		30" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	36.52	
32 31 13 13-0014	VLF		36" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	45.65	

32 31 13 13-0015			Post Hole In Rock (32 31 13 13-0001)		
32 31 13 13-0016	CF		Jackhammer Post Hole In Rock.....	77.61	
32 31 13 13-0017	CF		Rock Drill Post Hole In Rock.....	21.21	

32 31 13 13-0018 Fill For Post Holes (32 31 13 13-0001)
 See CSI section 03 21 00 00-0000 for reinforcing bars.

32 31 13 13-0019			Concrete Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0020	VLF		Up To 2-1/2" Diameter, Concrete Fill For Post Hole.....	6.28	
32 31 13 13-0021	VLF		2-1/2" Diameter, Concrete Fill For Post Hole.....	8.06	
32 31 13 13-0022	VLF		3" Diameter, Concrete Fill For Post Hole.....	8.90	
32 31 13 13-0023	VLF		4" Diameter, Concrete Fill For Post Hole.....	10.27	
32 31 13 13-0024	VLF		6" Diameter, Concrete Fill For Post Hole.....	14.51	
32 31 13 13-0025	VLF		8" Diameter, Concrete Fill For Post Hole.....	19.38	
32 31 13 13-0026	VLF		10" Diameter, Concrete Fill For Post Hole.....	23.72	
32 31 13 13-0027	VLF		12" Diameter, Concrete Fill For Post Hole.....	27.68	
32 31 13 13-0028	VLF		18" Diameter, Concrete Fill For Post Hole.....	37.86	
32 31 13 13-0029	VLF		24" Diameter, Concrete Fill For Post Hole.....	47.11	
32 31 13 13-0030	VLF		30" Diameter, Concrete Fill For Post Hole.....	56.14	
32 31 13 13-0031	VLF		36" Diameter, Concrete Fill For Post Hole.....	65.54	

32 31 13 13-0032			Grout Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0033	VLF		Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	7.41	
32 31 13 13-0034	VLF		2-1/2" Diameter, Grout Fill For Post Hole.....	9.53	
32 31 13 13-0035	VLF		3" Diameter, Grout Fill For Post Hole.....	10.40	
32 31 13 13-0036	VLF		4" Diameter, Grout Fill For Post Hole.....	11.74	
32 31 13 13-0037	VLF		6" Diameter, Grout Fill For Post Hole.....	16.43	
32 31 13 13-0038	VLF		8" Diameter, Grout Fill For Post Hole.....	21.93	
32 31 13 13-0039	VLF		10" Diameter, Grout Fill For Post Hole.....	26.74	
32 31 13 13-0040	VLF		12" Diameter, Grout Fill For Post Hole.....	31.06	
32 31 13 13-0041	VLF		18" Diameter, Grout Fill For Post Hole.....	41.69	
32 31 13 13-0042	VLF		24" Diameter, Grout Fill For Post Hole.....	51.09	
32 31 13 13-0043	VLF		30" Diameter, Grout Fill For Post Hole.....	60.21	
32 31 13 13-0044	VLF		36" Diameter, Grout Fill For Post Hole.....	69.57	

32 31 13 13-0045			Compacted Earth Fill For Post Holes (32 31 13 13-0018)		
32 31 13 13-0046	VLF		Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	5.14	
32 31 13 13-0047	VLF		2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	6.69	
32 31 13 13-0048	VLF		3" Diameter, Compacted Earth Fill For Post Hole.....	7.00	
32 31 13 13-0049	VLF		4" Diameter, Compacted Earth Fill For Post Hole.....	7.20	
32 31 13 13-0050	VLF		6" Diameter, Compacted Earth Fill For Post Hole.....	9.62	
32 31 13 13-0051	VLF		8" Diameter, Compacted Earth Fill For Post Hole.....	12.83	
32 31 13 13-0052	VLF		10" Diameter, Compacted Earth Fill For Post Hole.....	15.40	
32 31 13 13-0053	VLF		12" Diameter, Compacted Earth Fill For Post Hole.....	17.45	
32 31 13 13-0054	VLF		18" Diameter, Compacted Earth Fill For Post Hole.....	21.27	
32 31 13 13-0055	VLF		24" Diameter, Compacted Earth Fill For Post Hole.....	23.87	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole.....	26.18	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole.....	28.23	

32 31 13 13-0058 Fence Posts (32 31 13 13)

Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0059 Fence Posts (32 31 13 13-0058)**32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** (32 31 13 13-0059)

Note: Includes cap and accessories.

32 31 13 13-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	22.89	3.57
		For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	21.88	3.04
		For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	20.64	2.51
		For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	19.65	1.99
		For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	18.99	1.72
		For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	17.94	1.19
		For Each Top Rail Fitting, Add	0.85	

32 31 13 13-0067 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal) (32 31 13 13-0059)

Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0068	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	15.67	3.31
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.27	
		For Vinyl Coated, Add	5.44	
		For Powder Coated, Add	7.25	
		For Aluminum Coated, Add	11.33	
		For Schedule 20, Deduct	-1.81	
		For Schedule 80, Add	5.01	
32 31 13 13-0069	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	14.53	2.78
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.24	
		For Vinyl Coated, Add	5.37	
		For Powder Coated, Add	7.16	
		For Aluminum Coated, Add	11.19	
		For Schedule 20, Deduct	-1.79	
		For Schedule 80, Add	4.85	
32 31 13 13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	13.35	2.25
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.22	
		For Vinyl Coated, Add	5.33	
		For Powder Coated, Add	7.11	
		For Aluminum Coated, Add	11.11	
		For Schedule 20, Deduct	-1.78	
		For Schedule 80, Add	4.71	
32 31 13 13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.43	1.72
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.22	
		For Vinyl Coated, Add	5.32	
		For Powder Coated, Add	7.09	
		For Aluminum Coated, Add	11.08	
		For Schedule 20, Deduct	-1.77	
		For Schedule 80, Add	4.61	
32 31 13 13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.83	1.45
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.21	
		For Vinyl Coated, Add	5.31	
		For Powder Coated, Add	7.08	
		For Aluminum Coated, Add	11.06	
		For Schedule 20, Deduct	-1.77	
		For Schedule 80, Add	4.55	
32 31 13 13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.18	1.19
		For Each Top Rail Fitting, Add	0.85	
		For Each Single Barbed Wire Arm, Add	1.90	
		For Each Double Barbed Wire Arm, Add	3.40	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	2.21	
		For Vinyl Coated, Add	5.30	
		For Powder Coated, Add	7.07	
		For Aluminum Coated, Add	11.05	
		For Schedule 20, Deduct	-1.77	
		For Schedule 80, Add	4.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

32 31 13 13-0074 Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) (32 31 13 13-0059)

Note: 2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0075	LF		2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	17.93	3.44
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.77	
			For Vinyl Coated, Add	6.65	
			For Powder Coated, Add	8.87	
			For Aluminum Coated, Add	13.86	
			For Schedule 20, Deduct	-2.22	
			For Schedule 80, Add	6.01	
32 31 13 13-0076	LF		2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	16.86	2.91
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.74	
			For Vinyl Coated, Add	6.56	
			For Powder Coated, Add	8.75	
			For Aluminum Coated, Add	13.68	
			For Schedule 20, Deduct	-2.19	
			For Schedule 80, Add	5.84	
32 31 13 13-0077	LF		2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	15.59	2.38
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.72	
			For Vinyl Coated, Add	6.52	
			For Powder Coated, Add	8.70	
			For Aluminum Coated, Add	13.59	
			For Schedule 20, Deduct	-2.17	
			For Schedule 80, Add	5.69	
32 31 13 13-0078	LF		2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	14.61	1.85
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.71	
			For Vinyl Coated, Add	6.50	
			For Powder Coated, Add	8.66	
			For Aluminum Coated, Add	13.54	
			For Schedule 20, Deduct	-2.17	
			For Schedule 80, Add	5.58	
32 31 13 13-0079	LF		2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	13.96	1.58
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.70	
			For Vinyl Coated, Add	6.49	
			For Powder Coated, Add	8.65	
			For Aluminum Coated, Add	13.51	
			For Schedule 20, Deduct	-2.16	
			For Schedule 80, Add	5.50	
32 31 13 13-0080	LF		2" Outside Diameter Galvanized Steel Post, >24' In Length	13.37	1.32
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	2.70	
			For Vinyl Coated, Add	6.49	
			For Powder Coated, Add	8.65	
			For Aluminum Coated, Add	13.51	
			For Schedule 20, Deduct	-2.16	
			For Schedule 80, Add	5.44	

32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) (32 31 13 13-0059)

Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0082	LF		2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	21.87	3.70
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.67	
			For Vinyl Coated, Add	8.80	
			For Powder Coated, Add	11.73	
			For Aluminum Coated, Add	18.33	
			For Schedule 20, Deduct	-2.93	
			For Schedule 80, Add	7.76	
32 31 13 13-0083	LF		2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	20.69	3.17
			For Each Top Rail Fitting, Add	1.35	
			For Each Single Barbed Wire Arm, Add	2.65	
			For Each Double Barbed Wire Arm, Add	4.88	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	3.62	
			For Vinyl Coated, Add	8.69	
			For Powder Coated, Add	11.59	
			For Aluminum Coated, Add	18.11	
			For Schedule 20, Deduct	-2.90	
			For Schedule 80, Add	7.58	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	19.37	2.51
		For Each Top Rail Fitting, Add	1.35	
		For Each Single Barbed Wire Arm, Add	2.65	
		For Each Double Barbed Wire Arm, Add	4.88	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	3.60	
		For Vinyl Coated, Add	8.65	
		For Powder Coated, Add	11.53	
		For Aluminum Coated, Add	18.01	
		For Schedule 20, Deduct	-2.88	
		For Schedule 80, Add	7.41	
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	18.34	1.99
		For Each Top Rail Fitting, Add	1.35	
		For Each Single Barbed Wire Arm, Add	2.65	
		For Each Double Barbed Wire Arm, Add	4.88	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	3.59	
		For Vinyl Coated, Add	8.62	
		For Powder Coated, Add	11.50	
		For Aluminum Coated, Add	17.96	
		For Schedule 20, Deduct	-2.87	
		For Schedule 80, Add	7.29	
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	17.66	1.72
		For Each Top Rail Fitting, Add	1.35	
		For Each Single Barbed Wire Arm, Add	2.65	
		For Each Double Barbed Wire Arm, Add	4.88	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	3.59	
		For Vinyl Coated, Add	8.61	
		For Powder Coated, Add	11.48	
		For Aluminum Coated, Add	17.94	
		For Schedule 20, Deduct	-2.87	
		For Schedule 80, Add	7.22	
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	17.02	1.32
		For Each Top Rail Fitting, Add	1.35	
		For Each Single Barbed Wire Arm, Add	2.65	
		For Each Double Barbed Wire Arm, Add	4.88	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	3.59	
		For Vinyl Coated, Add	8.60	
		For Powder Coated, Add	11.47	
		For Aluminum Coated, Add	17.93	
		For Schedule 20, Deduct	-2.87	
		For Schedule 80, Add	7.15	

32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) (32 31 13 13-0059)

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	30.09	3.97
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	5.54	
		For Vinyl Coated, Add	13.30	
		For Powder Coated, Add	17.73	
		For Aluminum Coated, Add	27.70	
		For Schedule 20, Deduct	-4.43	
		For Schedule 80, Add	11.43	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	28.65	3.44
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	5.45	
		For Vinyl Coated, Add	13.09	
		For Powder Coated, Add	17.45	
		For Aluminum Coated, Add	27.26	
		For Schedule 20, Deduct	-4.36	
		For Schedule 80, Add	11.15	
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	27.15	2.78
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	5.41	
		For Vinyl Coated, Add	12.98	
		For Powder Coated, Add	17.31	
		For Aluminum Coated, Add	27.05	
		For Schedule 20, Deduct	-4.33	
		For Schedule 80, Add	10.94	
32 31 13 13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	25.95	2.25
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	5.39	
		For Vinyl Coated, Add	12.93	
		For Powder Coated, Add	17.24	
		For Aluminum Coated, Add	26.94	
		For Schedule 20, Deduct	-4.31	
		For Schedule 80, Add	10.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0093	LF		3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	25.18	1.85
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.38	
			For Vinyl Coated, Add	12.91	
			For Powder Coated, Add	17.21	
			For Aluminum Coated, Add	26.89	
			For Schedule 20, Deduct	-4.30	
			For Schedule 80, Add	10.69	
32 31 13 13-0094	LF		3" Outside Diameter Galvanized Steel Post, >24' In Length	24.48	1.45
			For Each Top Rail Fitting, Add	1.85	
			For Each Single Barbed Wire Arm, Add	3.85	
			For Each Double Barbed Wire Arm, Add	7.05	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	5.38	
			For Vinyl Coated, Add	12.90	
			For Powder Coated, Add	17.20	
			For Aluminum Coated, Add	26.88	
			For Schedule 20, Deduct	-4.30	
			For Schedule 80, Add	10.62	
32 31 13 13-0095			Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) (32 31 13 13-0059)		
			Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0096	LF		4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	44.52	4.23
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	9.04	
			For Vinyl Coated, Add	21.70	
			For Powder Coated, Add	28.94	
			For Aluminum Coated, Add	45.21	
			For Schedule 20, Deduct	-7.23	
			For Schedule 80, Add	18.20	
32 31 13 13-0097	LF		4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	42.50	3.44
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	8.89	
			For Vinyl Coated, Add	21.32	
			For Powder Coated, Add	28.43	
			For Aluminum Coated, Add	44.43	
			For Schedule 20, Deduct	-7.11	
			For Schedule 80, Add	17.76	
32 31 13 13-0098	LF		4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	41.03	2.91
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	8.81	
			For Vinyl Coated, Add	21.14	
			For Powder Coated, Add	28.18	
			For Aluminum Coated, Add	44.04	
			For Schedule 20, Deduct	-7.05	
			For Schedule 80, Add	17.49	
32 31 13 13-0099	LF		4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	39.71	2.38
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	8.77	
			For Vinyl Coated, Add	21.04	
			For Powder Coated, Add	28.06	
			For Aluminum Coated, Add	43.84	
			For Schedule 20, Deduct	-7.01	
			For Schedule 80, Add	17.30	
32 31 13 13-0100	LF		4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	39.63	2.38
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	8.75	
			For Vinyl Coated, Add	20.99	
			For Powder Coated, Add	27.99	
			For Aluminum Coated, Add	43.74	
			For Schedule 20, Deduct	-7.00	
			For Schedule 80, Add	17.26	
32 31 13 13-0101	LF		4" Outside Diameter Galvanized Steel Post, >24' In Length	38.29	1.72
			For Each Top Rail Fitting, Add	2.60	
			For Each Single Barbed Wire Arm, Add	5.10	
			For Each Double Barbed Wire Arm, Add	11.25	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	8.75	
			For Vinyl Coated, Add	20.99	
			For Powder Coated, Add	27.98	
			For Aluminum Coated, Add	43.73	
			For Schedule 20, Deduct	-7.00	
			For Schedule 80, Add	17.12	
32 31 13 13-0102			Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) (32 31 13 13-0059)		
			Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	88.61	4.63
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	19.83	
		For Vinyl Coated, Add	47.60	
		For Powder Coated, Add	63.46	
		For Aluminum Coated, Add	99.16	
		For Schedule 20, Deduct	-15.87	
		For Schedule 80, Add	39.01	
32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	84.72	3.84
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	19.24	
		For Vinyl Coated, Add	46.16	
		For Powder Coated, Add	61.55	
		For Aluminum Coated, Add	96.18	
		For Schedule 20, Deduct	-15.39	
		For Schedule 80, Add	37.71	
32 31 13 13-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	82.20	3.17
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	18.94	
		For Vinyl Coated, Add	45.45	
		For Powder Coated, Add	60.60	
		For Aluminum Coated, Add	94.69	
		For Schedule 20, Deduct	-15.15	
		For Schedule 80, Add	37.01	
32 31 13 13-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	80.31	2.51
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	18.79	
		For Vinyl Coated, Add	45.10	
		For Powder Coated, Add	60.13	
		For Aluminum Coated, Add	93.95	
		For Schedule 20, Deduct	-15.03	
		For Schedule 80, Add	36.59	
32 31 13 13-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	79.26	2.25
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	18.72	
		For Vinyl Coated, Add	44.92	
		For Powder Coated, Add	59.89	
		For Aluminum Coated, Add	93.58	
		For Schedule 20, Deduct	-14.97	
		For Schedule 80, Add	36.37	
32 31 13 13-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	78.47	1.85
		For Each Top Rail Fitting, Add	4.55	
		For Each Single Barbed Wire Arm, Add	7.15	
		For Each Double Barbed Wire Arm, Add	14.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	18.70	
		For Vinyl Coated, Add	44.88	
		For Powder Coated, Add	59.84	
		For Aluminum Coated, Add	93.50	
		For Schedule 20, Deduct	-14.96	
		For Schedule 80, Add	36.27	

32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) (32 31 13 13-0059)

Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	172.50	5.16
		For Each Top Rail Fitting, Add	7.50	
		For Each Single Barbed Wire Arm, Add	9.15	
		For Each Double Barbed Wire Arm, Add	18.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	40.55	
		For Vinyl Coated, Add	97.31	
		For Powder Coated, Add	129.75	
		For Aluminum Coated, Add	202.74	
		For Schedule 20, Deduct	-32.44	
		For Schedule 80, Add	78.88	
32 31 13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	166.07	4.36
		For Each Top Rail Fitting, Add	7.50	
		For Each Single Barbed Wire Arm, Add	9.15	
		For Each Double Barbed Wire Arm, Add	18.95	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	39.36	
		For Vinyl Coated, Add	94.47	
		For Powder Coated, Add	125.96	
		For Aluminum Coated, Add	196.81	
		For Schedule 20, Deduct	-31.49	
		For Schedule 80, Add	76.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0112	LF		8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	162.22	3.57
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	38.77	
			For Vinyl Coated, Add	93.04	
			For Powder Coated, Add	124.06	
			For Aluminum Coated, Add	193.84	
			For Schedule 20, Deduct	-31.01	
			For Schedule 80, Add	75.15	
32 31 13 13-0113	LF		8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	159.56	2.78
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	38.47	
			For Vinyl Coated, Add	92.33	
			For Powder Coated, Add	123.11	
			For Aluminum Coated, Add	192.36	
			For Schedule 20, Deduct	-30.78	
			For Schedule 80, Add	74.43	
32 31 13 13-0114	LF		8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	158.19	2.38
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	38.32	
			For Vinyl Coated, Add	91.97	
			For Powder Coated, Add	122.63	
			For Aluminum Coated, Add	191.61	
			For Schedule 20, Deduct	-30.66	
			For Schedule 80, Add	74.07	
32 31 13 13-0115	LF		8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	157.26	1.99
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	38.29	
			For Vinyl Coated, Add	91.90	
			For Powder Coated, Add	122.54	
			For Aluminum Coated, Add	191.46	
			For Schedule 20, Deduct	-30.63	
			For Schedule 80, Add	73.93	
32 31 13 13-0116			Driven Post Supports (32 31 13 13)		
			Note: OZ-Post.		
32 31 13 13-0117			Driven Post Support For Round Chain Link Fence Posts (32 31 13 13-0116)		
32 31 13 13-0118	EA		26" Driven Post Support For 1-5/8" Round Chain Link Fence Post.....	80.90	
			Note: OZ-Post GB-700.		
32 31 13 13-0119	EA		26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post.....	80.90	
			Note: OZ-Post HB-700.		
32 31 13 13-0120	EA		26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post.....	82.93	
			Note: OZ-Post IS-600.		
32 31 13 13-0121	EA		32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post.....	99.78	
			Note: OZ-Post ISW-850.		
32 31 13 13-0122			Driven Post Support For Square Ornamental Fence Posts (32 31 13 13-0116)		
32 31 13 13-0123	EA		34" Driven Post Support For 1-3/4" Square Ornamental Fence Post.....	93.69	
			Note: OZ-Post C175-850.		
32 31 13 13-0124	EA		24" Driven Post Support For 2" Square Ornamental Fence Post.....	90.64	
			Note: OZ-Post I2-600.		
32 31 13 13-0125	EA		34" Driven Post Support For 2" Square Ornamental Fence Post.....	94.30	
			Note: OZ-Post I2-850.		
32 31 13 13-0126	EA		34" Driven Post Support For 2-1/2" Square Ornamental Fence Post.....	99.78	
			Note: OZ-Post I25-850.		
32 31 13 13-0127	EA		34" Driven Post Support For 3" Square Ornamental Fence Post.....	99.78	
			Note: OZ-Post I3-850.		
32 31 13 13-0128			Driven Post Support For Wooden Fence Posts (32 31 13 13-0116)		
32 31 13 13-0129	EA		24" Driven Post Support For 3-1/2" Square Wooden Fence Post.....	91.73	
			Note: OZ-Post T4-600.		
32 31 13 13-0130	EA		34" Driven Post Support For 3-1/2" Square Wooden Fence Post.....	96.73	
			Note: OZ-Post T4-850.		
32 31 13 13-0131	EA		34" Driven Post Support For 3-3/4" Square Wooden Fence Post.....	103.85	
			Note: OZ-Post C4-850.		
32 31 13 13-0132	EA		34" Driven Post Support For 4" Square Wooden Fence Post.....	103.85	
			Note: OZ-Post P4-850.		
32 31 13 13-0133	EA		36" Driven Post Support For 4" x 6" Wooden Fence Post.....	117.06	
			Note: OZ-Post T46-850.		
32 31 13 13-0134	EA		36" Driven Post Support For 6" Square Wooden Fence Post.....	126.40	
			Note: OZ-Post T6-850.		
32 31 13 13-0135			Driven Post Support For Vinyl Fence Posts (32 31 13 13-0116)		
32 31 13 13-0136	EA		24" Driven Post Support For 3-1/2" Square Vinyl Fence Post.....	91.73	
			Note: OZ-Post T4-600.		
32 31 13 13-0137	EA		34" Driven Post Support For 3-1/2" Square Vinyl Fence Post.....	96.73	
			Note: OZ-Post T4-850.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0138	EA	34" Driven Post Support For 4" Square Vinyl Fence Post.....	103.85	
		Note: OZ-Post P4-850.		
32 31 13 13-0139	EA	34" Driven Post Support For 5" Square Vinyl Fence Post.....	105.47	
		Note: OZ-Post P4-850.		

32 31 13 13-0140 Chain Link Fence Assemblies (32 31 13 13)**32 31 13 13-0141 Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts** (32 31 13 13-0140)

Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0673 for barb wire attachments.

32 31 13 13-0142 Galvanized (32 31 13 13-0141)

32 31 13 13-0143	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	44.28	4.49
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.10	
		For 13 Gauge Fabric, Deduct	-9.26	
		For 11 Gauge Fabric, Deduct	-5.41	
		For 6 Gauge Fabric, Add	8.50	
		For 1" Mesh Fabric, Add	11.60	
		For 1-3/4" Mesh Fabric, Add	4.64	
		For 2-1/8" Mesh Fabric, Deduct	-2.32	
		For 2-3/8" Mesh Fabric, Deduct	-3.09	
		For Posts 8' On Centers, Add	2.43	
		For Posts 5' On Centers, Add	9.12	
		For Up To 100, Add	8.40	
		For >100 To 250, Add	3.10	
		For >2,500 To 5,000, Deduct	-1.55	
		For >5,000, Deduct	-3.10	
		For 3/8" Non-Climbable Mesh, Add	32.97	
32 31 13 13-0144	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	46.00	4.49
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.19	
		For 13 Gauge Fabric, Deduct	-9.77	
		For 11 Gauge Fabric, Deduct	-5.71	
		For 6 Gauge Fabric, Add	8.97	
		For 1" Mesh Fabric, Add	12.23	
		For 1-3/4" Mesh Fabric, Add	4.89	
		For 2-1/8" Mesh Fabric, Deduct	-2.45	
		For 2-3/8" Mesh Fabric, Deduct	-3.26	
		For Posts 8' On Centers, Add	2.51	
		For Posts 5' On Centers, Add	9.44	
		For Up To 100, Add	8.69	
		For >100 To 250, Add	3.19	
		For >2,500 To 5,000, Deduct	-1.60	
		For >5,000, Deduct	-3.19	
		For 3/8" Non-Climbable Mesh, Add	37.80	
32 31 13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	47.54	4.49
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.29	
		For 13 Gauge Fabric, Deduct	-10.21	
		For 11 Gauge Fabric, Deduct	-5.96	
		For 6 Gauge Fabric, Add	9.37	
		For 1" Mesh Fabric, Add	12.78	
		For 1-3/4" Mesh Fabric, Add	5.11	
		For 2-1/8" Mesh Fabric, Deduct	-2.56	
		For 2-3/8" Mesh Fabric, Deduct	-3.41	
		For Posts 8' On Centers, Add	2.60	
		For Posts 5' On Centers, Add	9.74	
		For Up To 100, Add	8.95	
		For >100 To 250, Add	3.29	
		For >2,500 To 5,000, Deduct	-1.64	
		For >5,000, Deduct	-3.29	
		For 3/8" Non-Climbable Mesh, Add	42.67	
32 31 13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	51.10	4.49
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.49	
		For 13 Gauge Fabric, Deduct	-11.24	
		For 11 Gauge Fabric, Deduct	-6.57	
		For 6 Gauge Fabric, Add	10.32	
		For 1" Mesh Fabric, Add	14.07	
		For 1-3/4" Mesh Fabric, Add	5.63	
		For 2-1/8" Mesh Fabric, Deduct	-2.81	
		For 2-3/8" Mesh Fabric, Deduct	-3.75	
		For Posts 8' On Centers, Add	2.78	
		For Posts 5' On Centers, Add	10.42	
		For Up To 100, Add	9.54	
		For >100 To 250, Add	3.49	
		For >2,500 To 5,000, Deduct	-1.75	
		For >5,000, Deduct	-3.49	
		For 3/8" Non-Climbable Mesh, Add	51.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0147	LF		6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	55.33 3.77 -12.29 -7.18 11.28 15.38 6.15 -3.08 -4.10 3.01 11.26 10.30 3.77 -1.88 -3.77 60.95	4.49
32 31 13 13-0148	LF		7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	57.36 3.90 -12.73 -7.44 11.69 15.94 6.38 -3.19 -4.25 3.12 11.67 10.68 3.90 -1.95 -3.90 70.26	6.74
32 31 13 13-0149	LF		8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	65.14 4.36 -14.97 -8.74 13.74 18.74 7.49 -3.75 -5.00 3.52 13.16 11.98 4.36 -2.18 -4.36 79.67	7.87
32 31 13 13-0150	LF		9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	69.43 4.63 -16.10 -9.40 14.78 20.15 8.06 -4.03 -5.37 3.75 14.00 12.73 4.63 -2.31 -4.63 87.85	10.12
32 31 13 13-0151	LF		10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	73.74 4.90 -17.23 -10.06 15.81 21.56 8.63 -4.31 -5.75 3.98 14.84 13.48 4.90 -2.45 -4.90 96.32	11.24

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	81.85	13.49
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	5.40	
		<i>For 13 Gauge Fabric, Deduct</i>	-19.34	
		<i>For 11 Gauge Fabric, Deduct</i>	-11.30	
		<i>For 6 Gauge Fabric, Add</i>	17.76	
		<i>For 1" Mesh Fabric, Add</i>	24.21	
		<i>For 1-3/4" Mesh Fabric, Add</i>	9.68	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.84	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-6.46	
		<i>For Posts 8' On Centers, Add</i>	4.41	
		<i>For Posts 5' On Centers, Add</i>	16.44	
		<i>For Up To 100, Add</i>	14.90	
		<i>For >100 To 250, Add</i>	5.40	
		<i>For >2,500 To 5,000, Deduct</i>	-2.70	
		<i>For >5,000, Deduct</i>	-5.40	
		<i>For Each Additional Foot >12, Add</i>	4.37	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	104.47	

32 31 13 13-0153 Vinyl Coated (32 31 13 13-0141)

32 31 13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	49.18	4.49
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.65	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.37	
		<i>For 13 Gauge Fabric, Deduct</i>	-10.78	
		<i>For 11 Gauge Fabric, Deduct</i>	-6.30	
		<i>For 6 Gauge Fabric, Add</i>	9.89	
		<i>For 1" Mesh Fabric, Add</i>	13.49	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.40	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.70	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.60	
		<i>For Posts 8' On Centers, Add</i>	2.68	
		<i>For Posts 5' On Centers, Add</i>	10.03	
		<i>For Up To 100, Add</i>	9.19	
		<i>For >100 To 250, Add</i>	3.37	
		<i>For >2,500 To 5,000, Deduct</i>	-1.68	
		<i>For >5,000, Deduct</i>	-3.37	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	47.81	
32 31 13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	53.17	4.49
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.16	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.60	
		<i>For 13 Gauge Fabric, Deduct</i>	-11.96	
		<i>For 11 Gauge Fabric, Deduct</i>	-6.99	
		<i>For 6 Gauge Fabric, Add</i>	10.98	
		<i>For 1" Mesh Fabric, Add</i>	14.97	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.99	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.99	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.99	
		<i>For Posts 8' On Centers, Add</i>	2.88	
		<i>For Posts 5' On Centers, Add</i>	10.79	
		<i>For Up To 100, Add</i>	9.85	
		<i>For >100 To 250, Add</i>	3.60	
		<i>For >2,500 To 5,000, Deduct</i>	-1.80	
		<i>For >5,000, Deduct</i>	-3.60	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	58.20	
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	59.54	4.49
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.94	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.98	
		<i>For 13 Gauge Fabric, Deduct</i>	-13.75	
		<i>For 11 Gauge Fabric, Deduct</i>	-8.03	
		<i>For 6 Gauge Fabric, Add</i>	12.62	
		<i>For 1" Mesh Fabric, Add</i>	17.21	
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.89	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.44	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.59	
		<i>For Posts 8' On Centers, Add</i>	3.22	
		<i>For Posts 5' On Centers, Add</i>	12.02	
		<i>For Up To 100, Add</i>	10.93	
		<i>For >100 To 250, Add</i>	3.98	
		<i>For >2,500 To 5,000, Deduct</i>	-1.99	
		<i>For >5,000, Deduct</i>	-3.98	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	68.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0157	LF		7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Powder Coated Framework (Posts, Rails, Hardware), Add For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	62.25 6.23 4.15 -14.43 -8.43 13.25 18.07 7.23 -3.61 -4.82 3.36 12.55 11.41 4.15 -2.07 -4.15 79.25	6.74
32 31 13 13-0158	LF		8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Powder Coated Framework (Posts, Rails, Hardware), Add For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	70.83 7.31 4.65 -16.94 -9.90 15.55 21.21 8.48 -4.24 -5.66 3.81 14.18 12.83 4.65 -2.32 -4.65 89.94	7.87
32 31 13 13-0159	LF		9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Powder Coated Framework (Posts, Rails, Hardware), Add For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	75.54 7.86 4.93 -18.22 -10.64 16.73 22.81 9.12 -4.56 -6.08 4.05 15.10 13.64 4.93 -2.47 -4.93 99.28	10.12
32 31 13 13-0160	LF		10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Powder Coated Framework (Posts, Rails, Hardware), Add For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For 3/8" Non-Climbable Mesh, Add	80.27 8.42 5.22 -19.49 -11.39 17.90 24.40 9.76 -4.88 -6.51 4.30 16.02 14.46 5.22 -2.61 -5.22 108.91	11.24
32 31 13 13-0161	LF		12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post For Powder Coated Framework (Posts, Rails, Hardware), Add For Surface Mount On Concrete (Excludes Drilling And Anchors), Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Posts 8' On Centers, Add For Posts 5' On Centers, Add For Up To 100, Add For >100 To 250, Add For >2,500 To 5,000, Deduct For >5,000, Deduct For Each Additional Foot >12, Add For 3/8" Non-Climbable Mesh, Add	87.59 9.21 5.69 -21.34 -12.46 19.59 26.71 10.68 -5.34 -7.12 4.69 17.47 15.76 5.69 -2.84 -5.69 4.62 118.11	13.49

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0162	Rails (32 31 13 13) Note: Includes rail end fittings.		
32 31 13 13-0163	SS-20 Chain Link Fence Rails (32 31 13 13-0162) Note: Includes tie wires.		
32 31 13 13-0164	LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	8.06	1.45
	For SS15, Deduct	-0.50	
	For SS40, Add	1.26	
32 31 13 13-0165	LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	9.75	1.45
	For SS40, Add	0.67	
	For Powder Coated, Add	1.34	
	For Aluminum Coated, Add	2.68	
32 31 13 13-0166	LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	10.01	1.65
	For SS15, Deduct	-0.67	
	For SS40, Add	1.68	
32 31 13 13-0167	LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	12.26	1.65
	For SS40, Add	0.90	
	For Powder Coated, Add	1.79	
	For Aluminum Coated, Add	3.58	
32 31 13 13-0168	LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	11.73	1.85
	For SS40, Add	2.01	
32 31 13 13-0169	LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	14.44	1.85
	For SS40, Add	1.07	
	For Powder Coated, Add	2.15	
	For Aluminum Coated, Add	4.30	
32 31 13 13-0170	SS-20 Middle/Bottom Rail With Tie Wire (1.66" Nominal) (32 31 13 13-0162)		
32 31 13 13-0171	LF 1-5/8" Galvanized Steel Fence Rail, Tie Wire And Fittings.....	10.55	1.45
	For SS40, Add	1.81	
32 31 13 13-0172	LF 1-5/8" Vinyl Coated Fence Rail, Tie Wires And Fittings.....	12.81	1.45
	For SS40, Add	0.95	
	For Powder Coated, Add	1.90	
	For Aluminum Coated, Add	3.80	
32 31 13 13-0173	Fabric (32 31 13 13)		
32 31 13 13-0174	Fabric, Galvanized Chain Link (32 31 13 13-0173)		
32 31 13 13-0175	LF 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.64	2.64
	For 1-1/4" Mesh Fabric, Add	1.13	
	For 2 Oz Galvanized Or Zinc Coating, Add	1.01	
	For 13 Gauge Fabric, Deduct	-1.82	
	For 11 Gauge Fabric, Deduct	-1.01	
	For 6 Gauge Fabric, Add	3.23	
	For 1" Mesh Fabric, Add	3.03	
	For 1-1/4" Mesh Fabric, Add	2.02	
	For 1-3/4" Mesh Fabric, Add	1.21	
	For 2-1/8" Mesh Fabric, Deduct	-0.61	
	For 2-3/8" Mesh Fabric, Deduct	-0.81	
	For 3/8" Non-Climbable Mesh, Add	34.26	
32 31 13 13-0176	LF 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	13.97	2.97
	For 1-1/4" Mesh Fabric, Add	1.32	
	For 2 Oz Galvanized Or Zinc Coating, Add	1.18	
	For 13 Gauge Fabric, Deduct	-2.12	
	For 11 Gauge Fabric, Deduct	-1.18	
	For 6 Gauge Fabric, Add	3.77	
	For 1" Mesh Fabric, Add	3.53	
	For 1-1/4" Mesh Fabric, Add	2.36	
	For 1-3/4" Mesh Fabric, Add	1.41	
	For 2-1/8" Mesh Fabric, Deduct	-0.71	
	For 2-3/8" Mesh Fabric, Deduct	-0.94	
	For 3/8" Non-Climbable Mesh, Add	39.19	
32 31 13 13-0177	LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	15.10	3.31
	For 1-1/4" Mesh Fabric, Add	1.45	
	For 2 Oz Galvanized Or Zinc Coating, Add	1.30	
	For 13 Gauge Fabric, Deduct	-2.33	
	For 11 Gauge Fabric, Deduct	-1.30	
	For 6 Gauge Fabric, Add	4.14	
	For 1" Mesh Fabric, Add	3.89	
	For 1-1/4" Mesh Fabric, Add	2.59	
	For 1-3/4" Mesh Fabric, Add	1.55	
	For 2-1/8" Mesh Fabric, Deduct	-0.78	
	For 2-3/8" Mesh Fabric, Deduct	-1.04	
	For 3/8" Non-Climbable Mesh, Add	44.16	
32 31 13 13-0178	LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	17.04	3.97
	For 1-1/4" Mesh Fabric, Add	1.81	
	For 2 Oz Galvanized Or Zinc Coating, Add	1.62	
	For 13 Gauge Fabric, Deduct	-2.91	
	For 11 Gauge Fabric, Deduct	-1.62	
	For 6 Gauge Fabric, Add	5.17	
	For 1" Mesh Fabric, Add	4.85	
	For 1-1/4" Mesh Fabric, Add	3.23	
	For 1-3/4" Mesh Fabric, Add	1.94	
	For 2-1/8" Mesh Fabric, Deduct	-0.97	
	For 2-3/8" Mesh Fabric, Deduct	-1.29	
	For 3/8" Non-Climbable Mesh, Add	53.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0179	LF	6'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	19.10	4.63
			For 1-1/4" Mesh Fabric, Add	2.18	
			For 2 Oz Galvanized Or Zinc Coating, Add	1.94	
			For 13 Gauge Fabric, Deduct	-3.50	
			For 11 Gauge Fabric, Deduct	-1.94	
			For 6 Gauge Fabric, Add	6.22	
			For 1" Mesh Fabric, Add	5.83	
			For 1-1/4" Mesh Fabric, Add	3.89	
			For 1-3/4" Mesh Fabric, Add	2.33	
			For 2-1/8" Mesh Fabric, Deduct	-1.17	
			For 2-3/8" Mesh Fabric, Deduct	-1.55	
			For 3/8" Non-Climbable Mesh, Add	62.65	
32 31 13 13-0180	LF	7'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	21.26	5.29
			For 1-1/4" Mesh Fabric, Add	2.53	
			For 2 Oz Galvanized Or Zinc Coating, Add	2.26	
			For 13 Gauge Fabric, Deduct	-4.07	
			For 11 Gauge Fabric, Deduct	-2.26	
			For 6 Gauge Fabric, Add	7.24	
			For 1" Mesh Fabric, Add	6.79	
			For 1-1/4" Mesh Fabric, Add	4.53	
			For 1-3/4" Mesh Fabric, Add	2.72	
			For 2-1/8" Mesh Fabric, Deduct	-1.36	
			For 2-3/8" Mesh Fabric, Deduct	-1.81	
			For 3/8" Non-Climbable Mesh, Add	72.09	
32 31 13 13-0181	LF	8'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	23.57	6.61
			For 1-1/4" Mesh Fabric, Add	2.90	
			For 2 Oz Galvanized Or Zinc Coating, Add	2.59	
			For 13 Gauge Fabric, Deduct	-4.66	
			For 11 Gauge Fabric, Deduct	-2.59	
			For 6 Gauge Fabric, Add	8.28	
			For 1" Mesh Fabric, Add	7.76	
			For 1-1/4" Mesh Fabric, Add	5.18	
			For 1-3/4" Mesh Fabric, Add	3.11	
			For 2-1/8" Mesh Fabric, Deduct	-1.55	
			For 2-3/8" Mesh Fabric, Deduct	-2.07	
			For 3/8" Non-Climbable Mesh, Add	81.66	
32 31 13 13-0182	LF	10'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	28.04	7.28
			For 1-1/4" Mesh Fabric, Add	3.76	
			For 2 Oz Galvanized Or Zinc Coating, Add	3.36	
			For 13 Gauge Fabric, Deduct	-6.05	
			For 11 Gauge Fabric, Deduct	-3.36	
			For 6 Gauge Fabric, Add	10.75	
			For 1" Mesh Fabric, Add	10.08	
			For 1-1/4" Mesh Fabric, Add	6.72	
			For 1-3/4" Mesh Fabric, Add	4.03	
			For 2-1/8" Mesh Fabric, Deduct	-2.02	
			For 2-3/8" Mesh Fabric, Deduct	-2.69	
			For 3/8" Non-Climbable Mesh, Add	98.52	
32 31 13 13-0183	LF	12'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	31.98	7.93
			For 1-1/4" Mesh Fabric, Add	4.51	
			For 2 Oz Galvanized Or Zinc Coating, Add	4.03	
			For 13 Gauge Fabric, Deduct	-7.25	
			For 11 Gauge Fabric, Deduct	-4.03	
			For 6 Gauge Fabric, Add	12.89	
			For 1" Mesh Fabric, Add	12.08	
			For 1-1/4" Mesh Fabric, Add	8.06	
			For 1-3/4" Mesh Fabric, Add	4.83	
			For 2-1/8" Mesh Fabric, Deduct	-2.42	
			For 2-3/8" Mesh Fabric, Deduct	-3.22	
			For 3/8" Non-Climbable Mesh, Add	106.85	
32 31 13 13-0184	LF	14'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	35.81	9.26
			For 1-1/4" Mesh Fabric, Add	4.84	
			For 2 Oz Galvanized Or Zinc Coating, Add	4.33	
			For 13 Gauge Fabric, Deduct	-7.79	
			For 11 Gauge Fabric, Deduct	-4.33	
			For 6 Gauge Fabric, Add	13.84	
			For 1" Mesh Fabric, Add	12.98	
			For 1-1/4" Mesh Fabric, Add	8.65	
			For 1-3/4" Mesh Fabric, Add	5.19	
			For 2-1/8" Mesh Fabric, Deduct	-2.60	
			For 2-3/8" Mesh Fabric, Deduct	-3.46	
			For 3/8" Non-Climbable Mesh, Add	116.56	
32 31 13 13-0185	LF	16'	Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	39.66	10.58
			For 1-1/4" Mesh Fabric, Add	5.18	
			For 2 Oz Galvanized Or Zinc Coating, Add	4.63	
			For 13 Gauge Fabric, Deduct	-8.33	
			For 11 Gauge Fabric, Deduct	-4.63	
			For 6 Gauge Fabric, Add	14.80	
			For 1" Mesh Fabric, Add	13.88	
			For 1-1/4" Mesh Fabric, Add	9.25	
			For 1-3/4" Mesh Fabric, Add	5.55	
			For 2-1/8" Mesh Fabric, Deduct	-2.78	
			For 2-3/8" Mesh Fabric, Deduct	-3.70	
			For 3/8" Non-Climbable Mesh, Add	126.29	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 31 13 13-0186	SF	>16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	2.48	0.62
		For 1-1/4" Mesh Fabric, Add	0.32	
		For 2 Oz Galvanized Or Zinc Coating, Add	0.29	
		For 13 Gauge Fabric, Deduct	-0.52	
		For 11 Gauge Fabric, Deduct	-0.29	
		For 6 Gauge Fabric, Add	0.93	
		For 1" Mesh Fabric, Add	0.87	
		For 1-1/4" Mesh Fabric, Add	0.58	
		For 1-3/4" Mesh Fabric, Add	0.35	
		For 2-1/8" Mesh Fabric, Deduct	-0.17	
		For 2-3/8" Mesh Fabric, Deduct	-0.23	

32 31 13 13-0187 Fabric, Vinyl Coated Chain Link (32 31 13 13-0173)

32 31 13 13-0188	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	16.75	2.64
		For 1-1/4" Mesh Fabric, Add	1.91	
		For 13 Gauge Fabric, Deduct	-3.07	
		For 11 Gauge Fabric, Deduct	-1.71	
		For 6 Gauge Fabric, Add	5.46	
		For 1" Mesh Fabric, Add	5.12	
		For 1-1/4" Mesh Fabric, Add	3.42	
		For 1-3/4" Mesh Fabric, Add	2.05	
		For 2-1/8" Mesh Fabric, Deduct	-1.02	
		For 2-3/8" Mesh Fabric, Deduct	-1.37	
		For 3/8" Non-Climbable Mesh, Add	49.30	
		For Aluminum Coated, Add	2.73	
32 31 13 13-0189	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	19.11	3.97
		For 1-1/4" Mesh Fabric, Add	2.39	
		For 13 Gauge Fabric, Deduct	-3.84	
		For 11 Gauge Fabric, Deduct	-2.13	
		For 6 Gauge Fabric, Add	6.82	
		For 1" Mesh Fabric, Add	6.40	
		For 1-1/4" Mesh Fabric, Add	4.27	
		For 1-3/4" Mesh Fabric, Add	2.56	
		For 2-1/8" Mesh Fabric, Deduct	-1.28	
		For 2-3/8" Mesh Fabric, Deduct	-1.71	
		For 3/8" Non-Climbable Mesh, Add	59.78	
		For Aluminum Coated, Add	3.41	
32 31 13 13-0190	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	23.30	4.63
		For 1-1/4" Mesh Fabric, Add	3.35	
		For 13 Gauge Fabric, Deduct	-5.39	
		For 11 Gauge Fabric, Deduct	-2.99	
		For 6 Gauge Fabric, Add	9.58	
		For 1" Mesh Fabric, Add	8.98	
		For 1-1/4" Mesh Fabric, Add	5.99	
		For 1-3/4" Mesh Fabric, Add	3.59	
		For 2-1/8" Mesh Fabric, Deduct	-1.80	
		For 2-3/8" Mesh Fabric, Deduct	-2.39	
		For 3/8" Non-Climbable Mesh, Add	70.35	
		For Aluminum Coated, Add	4.79	
32 31 13 13-0191	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	26.14	5.29
		For 1-1/4" Mesh Fabric, Add	3.90	
		For 13 Gauge Fabric, Deduct	-6.27	
		For 11 Gauge Fabric, Deduct	-3.48	
		For 6 Gauge Fabric, Add	11.14	
		For 1" Mesh Fabric, Add	10.45	
		For 1-1/4" Mesh Fabric, Add	6.97	
		For 1-3/4" Mesh Fabric, Add	4.18	
		For 2-1/8" Mesh Fabric, Deduct	-2.09	
		For 2-3/8" Mesh Fabric, Deduct	-2.79	
		For 3/8" Non-Climbable Mesh, Add	81.08	
		For Aluminum Coated, Add	5.57	
32 31 13 13-0192	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	29.26	6.61
		For 1-1/4" Mesh Fabric, Add	4.49	
		For 13 Gauge Fabric, Deduct	-7.22	
		For 11 Gauge Fabric, Deduct	-4.01	
		For 6 Gauge Fabric, Add	12.83	
		For 1" Mesh Fabric, Add	12.03	
		For 1-1/4" Mesh Fabric, Add	8.02	
		For 1-3/4" Mesh Fabric, Add	4.81	
		For 2-1/8" Mesh Fabric, Deduct	-2.41	
		For 2-3/8" Mesh Fabric, Deduct	-3.21	
		For 3/8" Non-Climbable Mesh, Add	91.93	
		For Aluminum Coated, Add	6.42	
32 31 13 13-0193	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	34.57	7.28
		For 1-1/4" Mesh Fabric, Add	5.59	
		For 13 Gauge Fabric, Deduct	-8.99	
		For 11 Gauge Fabric, Deduct	-4.99	
		For 6 Gauge Fabric, Add	15.98	
		For 1" Mesh Fabric, Add	14.98	
		For 1-1/4" Mesh Fabric, Add	9.99	
		For 1-3/4" Mesh Fabric, Add	5.99	
		For 2-1/8" Mesh Fabric, Deduct	-3.00	
		For 2-3/8" Mesh Fabric, Deduct	-3.99	
		For 3/8" Non-Climbable Mesh, Add	111.11	
		For Aluminum Coated, Add	7.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0194	LF	12'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	37.71	7.93
			For 1-1/4" Mesh Fabric, Add	6.12	
			For 13 Gauge Fabric, Deduct	-9.83	
			For 11 Gauge Fabric, Deduct	-5.46	
			For 6 Gauge Fabric, Add	17.47	
			For 1" Mesh Fabric, Add	16.38	
			For 1-1/4" Mesh Fabric, Add	10.92	
			For 1-3/4" Mesh Fabric, Add	6.55	
			For 2-1/8" Mesh Fabric, Deduct	-3.28	
			For 2-3/8" Mesh Fabric, Deduct	-4.37	
			For 3/8" Non-Climbable Mesh, Add	120.49	
			For Aluminum Coated, Add	8.74	
32 31 13 13-0195	LF	14'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	42.55	9.26
			For 1-1/4" Mesh Fabric, Add	6.73	
			For 13 Gauge Fabric, Deduct	-10.82	
			For 11 Gauge Fabric, Deduct	-6.01	
			For 6 Gauge Fabric, Add	19.23	
			For 1" Mesh Fabric, Add	18.03	
			For 1-1/4" Mesh Fabric, Add	12.02	
			For 1-3/4" Mesh Fabric, Add	7.21	
			For 2-1/8" Mesh Fabric, Deduct	-3.61	
			For 2-3/8" Mesh Fabric, Deduct	-4.81	
			For 3/8" Non-Climbable Mesh, Add	131.27	
			For Aluminum Coated, Add	9.62	
32 31 13 13-0196	LF	16'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	47.51	10.58
			For 1-1/4" Mesh Fabric, Add	7.38	
			For 13 Gauge Fabric, Deduct	-11.86	
			For 11 Gauge Fabric, Deduct	-6.59	
			For 6 Gauge Fabric, Add	21.08	
			For 1" Mesh Fabric, Add	19.76	
			For 1-1/4" Mesh Fabric, Add	13.18	
			For 1-3/4" Mesh Fabric, Add	7.91	
			For 2-1/8" Mesh Fabric, Deduct	-3.95	
			For 2-3/8" Mesh Fabric, Deduct	-5.27	
			For 3/8" Non-Climbable Mesh, Add	142.06	
			For Aluminum Coated, Add	10.54	
32 31 13 13-0197	SF	>16'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	2.97	0.62
			For 1-1/4" Mesh Fabric, Add	0.46	
			For 13 Gauge Fabric, Deduct	-0.74	
			For 11 Gauge Fabric, Deduct	-0.41	
			For 6 Gauge Fabric, Add	1.32	
			For 1" Mesh Fabric, Add	1.24	
			For 1-1/4" Mesh Fabric, Add	0.63	
			For 1-3/4" Mesh Fabric, Add	0.50	
			For 2-1/8" Mesh Fabric, Deduct	-0.25	
			For 2-3/8" Mesh Fabric, Deduct	-0.33	
			For Aluminum Coated, Add	0.66	
32 31 13 13-0198 Fabric, Aluminized Steel Chain Link (32 31 13 13-0173)					
32 31 13 13-0199	LF	3'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.31	2.64
			For 6 Gauge Fabric, Add	2.97	
			For 1" Mesh Fabric, Add	3.90	
32 31 13 13-0200	LF	3'-6"	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.58	2.97
			For 6 Gauge Fabric, Add	3.46	
			For 1" Mesh Fabric, Add	4.54	
32 31 13 13-0201	LF	4'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.86	3.31
			For 6 Gauge Fabric, Add	3.95	
			For 1" Mesh Fabric, Add	5.19	
32 31 13 13-0202	LF	5'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	16.75	3.97
			For 6 Gauge Fabric, Add	4.94	
			For 1" Mesh Fabric, Add	6.48	
32 31 13 13-0203	LF	6'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	18.71	4.63
			For 6 Gauge Fabric, Add	5.90	
			For 1" Mesh Fabric, Add	7.75	
32 31 13 13-0204	LF	7'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	20.84	5.29
			For 6 Gauge Fabric, Add	6.90	
			For 1" Mesh Fabric, Add	9.06	
32 31 13 13-0205	LF	8'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	23.08	6.61
			For 6 Gauge Fabric, Add	7.89	
			For 1" Mesh Fabric, Add	10.35	
32 31 13 13-0206	LF	10'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	26.92	7.28
			For 6 Gauge Fabric, Add	9.86	
			For 1" Mesh Fabric, Add	12.94	
32 31 13 13-0207	LF	12'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	30.65	7.93
			For 6 Gauge Fabric, Add	11.82	
			For 1" Mesh Fabric, Add	15.52	
32 31 13 13-0208 Fabric, All Aluminum Chain Link (32 31 13 13-0173)					
32 31 13 13-0209	LF	3'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	18.31	2.64
			For 6 Gauge Fabric, Add	7.77	
			For 1" Mesh Fabric, Add	10.20	
32 31 13 13-0210	LF	3'-6"	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	20.59	2.97
			For 6 Gauge Fabric, Add	9.06	
			For 1" Mesh Fabric, Add	11.90	
32 31 13 13-0211	LF	4'	Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	22.87	3.31
			For 6 Gauge Fabric, Add	10.36	
			For 1" Mesh Fabric, Add	13.60	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
32 31 13 13-0212	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	26.77 12.95 17.00	3.97	
32 31 13 13-0213	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	30.75 15.54 20.39	4.63	
32 31 13 13-0214	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	34.87 18.13 23.79	5.29	
32 31 13 13-0215	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	39.12 20.72 27.20	6.61	
32 31 13 13-0216	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	46.97 25.90 33.99	7.28	
32 31 13 13-0217	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	54.72 31.08 40.79	7.93	
32 31 13 13-0218		Fence Inserts (32 31 13 13-0173) Note: For use with new or existing chain link fence, per lf of fence.			
32 31 13 13-0219		Vinyl Plastic Fence Inserts (32 31 13 13-0218) Note: Assorted colors.			
32 31 13 13-0220	LF	3' High Fence, Vinyl Plastic Fence Insert.....	9.86		
32 31 13 13-0221	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert.....	11.25		
32 31 13 13-0222	LF	4' High Fence, Vinyl Plastic Fence Insert.....	12.40		
32 31 13 13-0223	LF	5' High Fence, Vinyl Plastic Fence Insert.....	15.55		
32 31 13 13-0224	LF	6' High Fence, Vinyl Plastic Fence Insert.....	18.60		
32 31 13 13-0225	LF	7' High Fence, Vinyl Plastic Fence Insert.....	21.75		
32 31 13 13-0226	LF	8' High Fence, Vinyl Plastic Fence Insert.....	24.81		
32 31 13 13-0227	LF	10' High Fence, Vinyl Plastic Fence Insert.....	30.23		
32 31 13 13-0228		Aluminum Fence Inserts (32 31 13 13-0218) Note: Assorted colors.			
32 31 13 13-0229	LF	3' High Fence, Aluminum Fence Insert.....	33.12		
32 31 13 13-0230	LF	3-1/2' High Fence, Aluminum Fence Insert.....	36.33		
32 31 13 13-0231	LF	4' High Fence, Aluminum Fence Insert.....	41.28		
32 31 13 13-0232	LF	5' High Fence, Aluminum Fence Insert.....	51.67		
32 31 13 13-0233	LF	6' High Fence, Aluminum Fence Insert.....	61.99		
32 31 13 13-0234	LF	7' High Fence, Aluminum Fence Insert.....	67.37		
32 31 13 13-0235	LF	8' High Fence, Aluminum Fence Insert.....	82.63		
32 31 13 13-0236	LF	10' High Fence, Aluminum Fence Insert.....	102.85		
32 31 13 13-0237		Redwood Fence Inserts (32 31 13 13-0218)			
32 31 13 13-0238	LF	4' High Fence, Redwood Fence Insert.....	14.85		
32 31 13 13-0239	LF	5' High Fence, Redwood Fence Insert.....	18.78		
32 31 13 13-0240	LF	6' High Fence, Redwood Fence Insert.....	22.56		
32 31 13 13-0241	LF	7' High Fence, Redwood Fence Insert.....	26.26		
32 31 13 13-0242	LF	8' High Fence, Redwood Fence Insert.....	30.05		
32 31 13 13-0243		Diagonal Flexible Polyethylene Inserts (32 31 13 13-0218)			
32 31 13 13-0244	SF	Diagonal Polyethylene Fence Weave	3.93		
32 31 13 13-0245		Hedge Link Fence Inserts (32 31 13 13-0218)			
32 31 13 13-0246	LF	3' High Fence, Hedge Link Fence Insert.....	21.16		
32 31 13 13-0247	LF	3-1/2' High Fence, Hedge Link Fence Insert.....	24.10		
32 31 13 13-0248	LF	4' High Fence, Hedge Link Fence Insert.....	28.21		
32 31 13 13-0249	LF	5' High Fence, Hedge Link Fence Insert.....	34.79		
32 31 13 13-0250	LF	6' High Fence, Hedge Link Fence Insert.....	39.76		
32 31 13 13-0251	LF	7' High Fence, Hedge Link Fence Insert.....	50.29		
32 31 13 13-0252	LF	8' High Fence, Hedge Link Fence Insert.....	57.11		
32 31 13 13-0253	LF	10' High Fence, Hedge Link Fence Insert.....	68.29		
32 31 13 13-0254	LF	12' High Fence, Hedge Link Fence Insert.....	78.34		
32 31 13 13-0255		Fence Windscreen Fabric (32 31 13 13-0173) Note: Includes plastic wire clips.			
32 31 13 13-0256	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY..... <i>For Sewn Boxed Vent (Each), Add</i> <i>For Welded Boxed Vent (Each), Add</i> <i>For 4' x 4' One Color Logo (Each), Add</i>	1.32 29.02 14.51 604.58	0.58	
32 31 13 13-0257		Non-Climbable Fabric, Galvanized Chain Link (32 31 13 13-0173)			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0258	LF	3'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	34.26	2.64
			For 11 Gauge, Deduct	-5.13	
			For 10 Gauge, Deduct	-2.05	
			For 7 Gauge, Add	3.08	
			For 6 Gauge, Add	7.18	
			For 1/2" Mesh Fabric, Deduct	-1.28	
			For 5/8" Mesh Fabric, Deduct	-2.82	
			For 3/4" Mesh Fabric, Deduct	-4.11	
32 31 13 13-0259	LF	3'-6"	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	39.19	2.97
			For 11 Gauge, Deduct	-5.99	
			For 10 Gauge, Deduct	-2.39	
			For 7 Gauge, Add	3.59	
			For 6 Gauge, Add	8.38	
			For 1/2" Mesh Fabric, Deduct	-1.50	
			For 5/8" Mesh Fabric, Deduct	-3.29	
			For 3/4" Mesh Fabric, Deduct	-4.79	
32 31 13 13-0260	LF	4'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	44.16	3.31
			For 11 Gauge, Deduct	-6.85	
			For 10 Gauge, Deduct	-2.74	
			For 7 Gauge, Add	4.11	
			For 6 Gauge, Add	9.59	
			For 1/2" Mesh Fabric, Deduct	-1.71	
			For 5/8" Mesh Fabric, Deduct	-3.77	
			For 3/4" Mesh Fabric, Deduct	-5.48	
32 31 13 13-0261	LF	5'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	53.36	3.97
			For 11 Gauge, Deduct	-8.56	
			For 10 Gauge, Deduct	-3.42	
			For 7 Gauge, Add	5.13	
			For 6 Gauge, Add	11.98	
			For 1/2" Mesh Fabric, Deduct	-2.14	
			For 5/8" Mesh Fabric, Deduct	-4.71	
			For 3/4" Mesh Fabric, Deduct	-6.84	
32 31 13 13-0262	LF	6'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	62.65	4.63
			For 11 Gauge, Deduct	-10.26	
			For 10 Gauge, Deduct	-4.11	
			For 7 Gauge, Add	6.16	
			For 6 Gauge, Add	14.37	
			For 1/2" Mesh Fabric, Deduct	-2.57	
			For 5/8" Mesh Fabric, Deduct	-5.65	
			For 3/4" Mesh Fabric, Deduct	-8.21	
32 31 13 13-0263	LF	7'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	72.09	5.29
			For 11 Gauge, Deduct	-11.98	
			For 10 Gauge, Deduct	-4.79	
			For 7 Gauge, Add	7.19	
			For 6 Gauge, Add	16.77	
			For 1/2" Mesh Fabric, Deduct	-2.99	
			For 5/8" Mesh Fabric, Deduct	-6.59	
			For 3/4" Mesh Fabric, Deduct	-9.58	
32 31 13 13-0264	LF	8'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	81.66	6.61
			For 11 Gauge, Deduct	-13.69	
			For 10 Gauge, Deduct	-5.48	
			For 7 Gauge, Add	8.21	
			For 6 Gauge, Add	19.16	
			For 1/2" Mesh Fabric, Deduct	-3.42	
			For 5/8" Mesh Fabric, Deduct	-7.53	
			For 3/4" Mesh Fabric, Deduct	-10.95	
32 31 13 13-0265	LF	9'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	90.07	6.94
			For 11 Gauge, Deduct	-15.24	
			For 10 Gauge, Deduct	-6.09	
			For 7 Gauge, Add	9.14	
			For 6 Gauge, Add	21.33	
			For 1/2" Mesh Fabric, Deduct	-3.81	
			For 5/8" Mesh Fabric, Deduct	-8.38	
			For 3/4" Mesh Fabric, Deduct	-12.19	
32 31 13 13-0266	LF	10'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	98.52	7.28
			For 11 Gauge, Deduct	-16.78	
			For 10 Gauge, Deduct	-6.71	
			For 7 Gauge, Add	10.07	
			For 6 Gauge, Add	23.50	
			For 1/2" Mesh Fabric, Deduct	-4.20	
			For 5/8" Mesh Fabric, Deduct	-9.23	
			For 3/4" Mesh Fabric, Deduct	-13.43	
32 31 13 13-0267	LF	12'	Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	106.85	7.93
			For 11 Gauge, Deduct	-18.20	
			For 10 Gauge, Deduct	-7.28	
			For 7 Gauge, Add	10.92	
			For 6 Gauge, Add	25.47	
			For 1/2" Mesh Fabric, Deduct	-4.55	
			For 5/8" Mesh Fabric, Deduct	-10.01	
			For 3/4" Mesh Fabric, Deduct	-14.56	

32 31 13 13-0268 Gates (32 31 13 13)

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 08 78 00 00-0001 for padlocks, 08 78 00 00-0002 for padlocks, 32 31 13 13-0001 for drilling for augering holes and backfill.

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0269	Galvanized Steel Without Barbed Wire (32 31 13 13-0268) Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 13-0270	4' Fence Height (32 31 13 13-0269)		
32 31 13 13-0271	EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	393.04	24.84
	For Gate With Single Barb Wire Arm, Add	34.70	
	For Gate With Double Barb Wire Arm, Add	50.47	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.14	
	For Aluminized Steel Gate And Post, Add	151.40	
	For Powder Coated Gate And Post, Add	82.01	
	For 1" Mesh Fabric, Add	137.21	
	For 1-1/4" Mesh Fabric, Add	88.32	
	For 1-3/4" Mesh Fabric, Add	54.88	
	For 2-1/8" Mesh Fabric, Deduct	-27.44	
32 31 13 13-0272	EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	498.18	25.88
	For Gate With Single Barb Wire Arm, Add	46.26	
	For Gate With Double Barb Wire Arm, Add	67.29	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.86	
	For Aluminized Steel Gate And Post, Add	201.87	
	For Powder Coated Gate And Post, Add	109.35	
	For 1" Mesh Fabric, Add	182.94	
	For 1-1/4" Mesh Fabric, Add	117.76	
	For 1-3/4" Mesh Fabric, Add	73.18	
	For 2-1/8" Mesh Fabric, Deduct	-36.59	
32 31 13 13-0273	EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	590.56	27.53
	For Gate With Single Barb Wire Arm, Add	55.85	
	For Gate With Double Barb Wire Arm, Add	81.24	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-95.20	
	For Aluminized Steel Gate And Post, Add	243.72	
	For Powder Coated Gate And Post, Add	132.02	
	For 1" Mesh Fabric, Add	220.87	
	For 1-1/4" Mesh Fabric, Add	142.17	
	For 1-3/4" Mesh Fabric, Add	88.35	
	For 2-1/8" Mesh Fabric, Deduct	-44.17	
32 31 13 13-0274	EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	694.31	33.12
	For Gate With Single Barb Wire Arm, Add	65.44	
	For Gate With Double Barb Wire Arm, Add	95.19	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-111.55	
	For Aluminized Steel Gate And Post, Add	285.57	
	For Powder Coated Gate And Post, Add	154.68	
	For 1" Mesh Fabric, Add	258.80	
	For 1-1/4" Mesh Fabric, Add	166.58	
	For 1-3/4" Mesh Fabric, Add	103.52	
	For 2-1/8" Mesh Fabric, Deduct	-51.76	
32 31 13 13-0275	EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	798.06	38.61
	For Gate With Single Barb Wire Arm, Add	75.03	
	For Gate With Double Barb Wire Arm, Add	109.14	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.90	
	For Aluminized Steel Gate And Post, Add	327.42	
	For Powder Coated Gate And Post, Add	177.35	
	For 1" Mesh Fabric, Add	296.73	
	For 1-1/4" Mesh Fabric, Add	191.00	
	For 1-3/4" Mesh Fabric, Add	118.69	
	For 2-1/8" Mesh Fabric, Deduct	-59.35	
32 31 13 13-0276	EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	905.40	44.09
	For Gate With Single Barb Wire Arm, Add	85.02	
	For Gate With Double Barb Wire Arm, Add	123.67	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-144.92	
	For Aluminized Steel Gate And Post, Add	371.00	
	For Powder Coated Gate And Post, Add	200.96	
	For 1" Mesh Fabric, Add	336.22	
	For 1-1/4" Mesh Fabric, Add	216.41	
	For 1-3/4" Mesh Fabric, Add	134.49	
	For 2-1/8" Mesh Fabric, Deduct	-67.24	
32 31 13 13-0277	EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,009.13	49.68
	For Gate With Single Barb Wire Arm, Add	94.61	
	For Gate With Double Barb Wire Arm, Add	137.62	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.27	
	For Aluminized Steel Gate And Post, Add	412.85	
	For Powder Coated Gate And Post, Add	223.63	
	For 1" Mesh Fabric, Add	374.14	
	For 1-1/4" Mesh Fabric, Add	240.83	
	For 1-3/4" Mesh Fabric, Add	149.66	
	For 2-1/8" Mesh Fabric, Deduct	-74.83	
32 31 13 13-0278	EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,114.42	55.17
	For Gate With Single Barb Wire Arm, Add	104.37	
	For Gate With Double Barb Wire Arm, Add	151.81	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.91	
	For Aluminized Steel Gate And Post, Add	455.44	
	For Powder Coated Gate And Post, Add	246.70	
	For 1" Mesh Fabric, Add	412.74	
	For 1-1/4" Mesh Fabric, Add	265.67	
	For 1-3/4" Mesh Fabric, Add	165.10	
	For 2-1/8" Mesh Fabric, Deduct	-82.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0279	EA	10'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,427.28	55.17
			For Gate With Single Barb Wire Arm, Add	138.78	
			For Gate With Double Barb Wire Arm, Add	201.87	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-236.57	
			For Aluminized Steel Gate And Post, Add	605.61	
			For Powder Coated Gate And Post, Add	328.04	
			For 1" Mesh Fabric, Add	548.83	
			For 1-1/4" Mesh Fabric, Add	353.27	
			For 1-3/4" Mesh Fabric, Add	219.53	
			For 2-1/8" Mesh Fabric, Deduct	-109.77	
32 31 13 13-0280	EA	12'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,691.45	59.10
			For Gate With Single Barb Wire Arm, Add	166.54	
			For Gate With Double Barb Wire Arm, Add	242.24	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-283.88	
			For Aluminized Steel Gate And Post, Add	726.73	
			For Powder Coated Gate And Post, Add	393.65	
			For 1" Mesh Fabric, Add	658.60	
			For 1-1/4" Mesh Fabric, Add	423.93	
			For 1-3/4" Mesh Fabric, Add	263.44	
			For 2-1/8" Mesh Fabric, Deduct	-131.72	
32 31 13 13-0281	EA	14'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,957.45	63.66
			For Gate With Single Barb Wire Arm, Add	194.30	
			For Gate With Double Barb Wire Arm, Add	282.62	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-331.19	
			For Aluminized Steel Gate And Post, Add	847.85	
			For Powder Coated Gate And Post, Add	459.25	
			For 1" Mesh Fabric, Add	768.37	
			For 1-1/4" Mesh Fabric, Add	494.58	
			For 1-3/4" Mesh Fabric, Add	307.35	
			For 2-1/8" Mesh Fabric, Deduct	-153.67	
32 31 13 13-0282	EA	16'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,225.70	68.93
			For Gate With Single Barb Wire Arm, Add	222.06	
			For Gate With Double Barb Wire Arm, Add	322.99	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-378.51	
			For Aluminized Steel Gate And Post, Add	968.98	
			For Powder Coated Gate And Post, Add	524.86	
			For 1" Mesh Fabric, Add	878.13	
			For 1-1/4" Mesh Fabric, Add	565.24	
			For 1-3/4" Mesh Fabric, Add	351.25	
			For 2-1/8" Mesh Fabric, Deduct	-175.63	
32 31 13 13-0283	EA	18'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,533.85	87.48
			For Gate With Single Barb Wire Arm, Add	249.81	
			For Gate With Double Barb Wire Arm, Add	363.36	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-425.82	
			For Aluminized Steel Gate And Post, Add	1,090.09	
			For Powder Coated Gate And Post, Add	590.47	
			For 1" Mesh Fabric, Add	987.90	
			For 1-1/4" Mesh Fabric, Add	635.89	
			For 1-3/4" Mesh Fabric, Add	395.16	
			For 2-1/8" Mesh Fabric, Deduct	-197.58	
32 31 13 13-0284	EA	20'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,804.97	93.75
			For Gate With Single Barb Wire Arm, Add	277.57	
			For Gate With Double Barb Wire Arm, Add	403.74	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-473.13	
			For Aluminized Steel Gate And Post, Add	1,211.22	
			For Powder Coated Gate And Post, Add	656.08	
			For 1" Mesh Fabric, Add	1,097.67	
			For 1-1/4" Mesh Fabric, Add	706.54	
			For 1-3/4" Mesh Fabric, Add	439.07	
			For 2-1/8" Mesh Fabric, Deduct	-219.53	
32 31 13 13-0285	EA	22'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,072.81	101.02
			For Gate With Single Barb Wire Arm, Add	304.65	
			For Gate With Double Barb Wire Arm, Add	443.13	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-519.29	
			For Aluminized Steel Gate And Post, Add	1,329.38	
			For Powder Coated Gate And Post, Add	720.08	
			For 1" Mesh Fabric, Add	1,204.75	
			For 1-1/4" Mesh Fabric, Add	775.47	
			For 1-3/4" Mesh Fabric, Add	481.90	
			For 2-1/8" Mesh Fabric, Deduct	-240.95	
32 31 13 13-0286	EA	24'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,344.27	109.40
			For Gate With Single Barb Wire Arm, Add	331.73	
			For Gate With Double Barb Wire Arm, Add	482.52	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-565.45	
			For Aluminized Steel Gate And Post, Add	1,447.55	
			For Powder Coated Gate And Post, Add	784.09	
			For 1" Mesh Fabric, Add	1,311.84	
			For 1-1/4" Mesh Fabric, Add	844.40	
			For 1-3/4" Mesh Fabric, Add	524.74	
			For 2-1/8" Mesh Fabric, Deduct	-262.37	
32 31 13 13-0287	EA	26'	Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,620.32	119.38
			For Gate With Single Barb Wire Arm, Add	358.81	
			For Gate With Double Barb Wire Arm, Add	521.91	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-611.61	
			For Aluminized Steel Gate And Post, Add	1,565.72	
			For Powder Coated Gate And Post, Add	848.10	
			For 1" Mesh Fabric, Add	1,418.94	
			For 1-1/4" Mesh Fabric, Add	913.34	
			For 1-3/4" Mesh Fabric, Add	567.57	
			For 2-1/8" Mesh Fabric, Deduct	-283.79	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 31 13 13-0288	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,810.02	131.33
		For Gate With Single Barb Wire Arm, Add	375.74	
		For Gate With Double Barb Wire Arm, Add	546.52	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-640.46	
		For Aluminized Steel Gate And Post, Add	1,639.57	
		For Powder Coated Gate And Post, Add	888.10	
		For 1" Mesh Fabric, Add	1,485.86	
		For 1-1/4" Mesh Fabric, Add	956.42	
		For 1-3/4" Mesh Fabric, Add	594.35	
		For 2-1/8" Mesh Fabric, Deduct	-297.17	
32 31 13 13-0289	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	4,223.10	145.87
		For Gate With Single Barb Wire Arm, Add	416.36	
		For Gate With Double Barb Wire Arm, Add	605.61	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-709.70	
		For Aluminized Steel Gate And Post, Add	1,816.82	
		For Powder Coated Gate And Post, Add	984.11	
		For 1" Mesh Fabric, Add	1,646.50	
		For 1-1/4" Mesh Fabric, Add	1,059.81	
		For 1-3/4" Mesh Fabric, Add	658.60	
		For 2-1/8" Mesh Fabric, Deduct	-329.30	
32 31 13 13-0290 5' Fence Height (32 31 13 13-0269)				
32 31 13 13-0291	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	472.60	27.53
		For Gate With Single Barb Wire Arm, Add	42.88	
		For Gate With Double Barb Wire Arm, Add	62.37	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-73.09	
		For Aluminized Steel Gate And Post, Add	187.10	
		For Powder Coated Gate And Post, Add	101.35	
		For 1" Mesh Fabric, Add	169.56	
		For 1-1/4" Mesh Fabric, Add	109.14	
		For 1-3/4" Mesh Fabric, Add	67.82	
		For 2-1/8" Mesh Fabric, Deduct	-33.91	
32 31 13 13-0292	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	600.82	27.53
		For Gate With Single Barb Wire Arm, Add	56.98	
		For Gate With Double Barb Wire Arm, Add	82.88	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-97.13	
		For Aluminized Steel Gate And Post, Add	248.64	
		For Powder Coated Gate And Post, Add	134.68	
		For 1" Mesh Fabric, Add	225.33	
		For 1-1/4" Mesh Fabric, Add	145.04	
		For 1-3/4" Mesh Fabric, Add	90.13	
		For 2-1/8" Mesh Fabric, Deduct	-45.07	
32 31 13 13-0293	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	703.45	29.29
		For Gate With Single Barb Wire Arm, Add	67.70	
		For Gate With Double Barb Wire Arm, Add	98.47	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-115.40	
		For Aluminized Steel Gate And Post, Add	295.42	
		For Powder Coated Gate And Post, Add	160.02	
		For 1" Mesh Fabric, Add	267.73	
		For 1-1/4" Mesh Fabric, Add	172.33	
		For 1-3/4" Mesh Fabric, Add	107.09	
		For 2-1/8" Mesh Fabric, Deduct	-53.55	
32 31 13 13-0294	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	823.61	35.19
		For Gate With Single Barb Wire Arm, Add	78.98	
		For Gate With Double Barb Wire Arm, Add	114.88	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-134.63	
		For Aluminized Steel Gate And Post, Add	344.65	
		For Powder Coated Gate And Post, Add	186.69	
		For 1" Mesh Fabric, Add	312.34	
		For 1-1/4" Mesh Fabric, Add	201.05	
		For 1-3/4" Mesh Fabric, Add	124.94	
		For 2-1/8" Mesh Fabric, Deduct	-62.47	
32 31 13 13-0295	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	933.52	40.99
		For Gate With Single Barb Wire Arm, Add	89.14	
		For Gate With Double Barb Wire Arm, Add	129.66	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-151.94	
		For Aluminized Steel Gate And Post, Add	388.97	
		For Powder Coated Gate And Post, Add	210.69	
		For 1" Mesh Fabric, Add	352.50	
		For 1-1/4" Mesh Fabric, Add	226.90	
		For 1-3/4" Mesh Fabric, Add	141.00	
		For 2-1/8" Mesh Fabric, Deduct	-70.50	
32 31 13 13-0296	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,054.74	47.20
		For Gate With Single Barb Wire Arm, Add	100.42	
		For Gate With Double Barb Wire Arm, Add	146.07	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-171.17	
		For Aluminized Steel Gate And Post, Add	438.21	
		For Powder Coated Gate And Post, Add	237.36	
		For 1" Mesh Fabric, Add	397.12	
		For 1-1/4" Mesh Fabric, Add	255.62	
		For 1-3/4" Mesh Fabric, Add	158.85	
		For 2-1/8" Mesh Fabric, Deduct	-79.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0297	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,169.76	53.09
		For Gate With Single Barb Wire Arm, Add		111.14	
		For Gate With Double Barb Wire Arm, Add		161.66	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-189.44	
		For Aluminized Steel Gate And Post, Add		484.98	
		For Powder Coated Gate And Post, Add		262.70	
		For 1" Mesh Fabric, Add		439.51	
		For 1-1/4" Mesh Fabric, Add		282.90	
		For 1-3/4" Mesh Fabric, Add		175.80	
		For 2-1/8" Mesh Fabric, Deduct		-87.90	
32 31 13 13-0298	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,284.81	58.89
		For Gate With Single Barb Wire Arm, Add		121.86	
		For Gate With Double Barb Wire Arm, Add		177.25	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-207.72	
		For Aluminized Steel Gate And Post, Add		531.75	
		For Powder Coated Gate And Post, Add		288.03	
		For 1" Mesh Fabric, Add		481.90	
		For 1-1/4" Mesh Fabric, Add		310.19	
		For 1-3/4" Mesh Fabric, Add		192.76	
		For 2-1/8" Mesh Fabric, Deduct		-96.38	
32 31 13 13-0299	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	1,740.69	59.10
		For Gate With Single Barb Wire Arm, Add		171.96	
		For Gate With Double Barb Wire Arm, Add		250.12	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-293.11	
		For Aluminized Steel Gate And Post, Add		750.36	
		For Powder Coated Gate And Post, Add		406.45	
		For 1" Mesh Fabric, Add		680.02	
		For 1-1/4" Mesh Fabric, Add		437.71	
		For 1-3/4" Mesh Fabric, Add		272.01	
		For 2-1/8" Mesh Fabric, Deduct		-136.00	
32 31 13 13-0300	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,068.23	63.66
		For Gate With Single Barb Wire Arm, Add		206.49	
		For Gate With Double Barb Wire Arm, Add		300.34	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-351.96	
		For Aluminized Steel Gate And Post, Add		901.03	
		For Powder Coated Gate And Post, Add		488.06	
		For 1" Mesh Fabric, Add		816.56	
		For 1-1/4" Mesh Fabric, Add		525.60	
		For 1-3/4" Mesh Fabric, Add		326.62	
		For 2-1/8" Mesh Fabric, Deduct		-163.31	
32 31 13 13-0301	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,398.02	68.93
		For Gate With Single Barb Wire Arm, Add		241.01	
		For Gate With Double Barb Wire Arm, Add		350.56	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-410.82	
		For Aluminized Steel Gate And Post, Add		1,051.69	
		For Powder Coated Gate And Post, Add		569.67	
		For 1" Mesh Fabric, Add		953.09	
		For 1-1/4" Mesh Fabric, Add		613.49	
		For 1-3/4" Mesh Fabric, Add		381.24	
		For 2-1/8" Mesh Fabric, Deduct		-190.62	
32 31 13 13-0302	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,767.73	87.48
		For Gate With Single Barb Wire Arm, Add		275.54	
		For Gate With Double Barb Wire Arm, Add		400.79	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-469.67	
		For Aluminized Steel Gate And Post, Add		1,202.36	
		For Powder Coated Gate And Post, Add		651.28	
		For 1" Mesh Fabric, Add		1,089.64	
		For 1-1/4" Mesh Fabric, Add		701.37	
		For 1-3/4" Mesh Fabric, Add		435.85	
		For 2-1/8" Mesh Fabric, Deduct		-217.93	
32 31 13 13-0303	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	3,094.23	93.75
		For Gate With Single Barb Wire Arm, Add		309.39	
		For Gate With Double Barb Wire Arm, Add		450.02	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-527.37	
		For Aluminized Steel Gate And Post, Add		1,350.06	
		For Powder Coated Gate And Post, Add		731.28	
		For 1" Mesh Fabric, Add		1,223.49	
		For 1-1/4" Mesh Fabric, Add		787.54	
		For 1-3/4" Mesh Fabric, Add		489.40	
		For 2-1/8" Mesh Fabric, Deduct		-244.70	
32 31 13 13-0304	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	3,435.93	101.02
		For Gate With Single Barb Wire Arm, Add		344.59	
		For Gate With Double Barb Wire Arm, Add		501.23	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-587.38	
		For Aluminized Steel Gate And Post, Add		1,503.68	
		For Powder Coated Gate And Post, Add		814.49	
		For 1" Mesh Fabric, Add		1,362.71	
		For 1-1/4" Mesh Fabric, Add		877.15	
		For 1-3/4" Mesh Fabric, Add		545.08	
		For 2-1/8" Mesh Fabric, Deduct		-272.54	
32 31 13 13-0305	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	.....	3,775.09	109.40
		For Gate With Single Barb Wire Arm, Add		379.12	
		For Gate With Double Barb Wire Arm, Add		551.45	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-646.23	
		For Aluminized Steel Gate And Post, Add		1,654.34	
		For Powder Coated Gate And Post, Add		896.10	
		For 1" Mesh Fabric, Add		1,499.25	
		For 1-1/4" Mesh Fabric, Add		965.03	
		For 1-3/4" Mesh Fabric, Add		599.70	
		For 2-1/8" Mesh Fabric, Deduct		-299.85	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0306	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,112.68	119.38
		For Gate With Single Barb Wire Arm, Add	412.97	
		For Gate With Double Barb Wire Arm, Add	600.68	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-703.93	
		For Aluminized Steel Gate And Post, Add	1,802.05	
		For Powder Coated Gate And Post, Add	976.11	
		For 1" Mesh Fabric, Add	1,633.11	
		For 1-1/4" Mesh Fabric, Add	1,051.20	
		For 1-3/4" Mesh Fabric, Add	653.24	
		For 2-1/8" Mesh Fabric, Deduct	-326.62	
32 31 13 13-0307	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,468.56	131.33
		For Gate With Single Barb Wire Arm, Add	448.18	
		For Gate With Double Barb Wire Arm, Add	651.89	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-763.94	
		For Aluminized Steel Gate And Post, Add	1,955.67	
		For Powder Coated Gate And Post, Add	1,059.32	
		For 1" Mesh Fabric, Add	1,772.33	
		For 1-1/4" Mesh Fabric, Add	1,140.81	
		For 1-3/4" Mesh Fabric, Add	708.93	
		For 2-1/8" Mesh Fabric, Deduct	-354.47	
32 31 13 13-0308	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,822.37	145.87
		For Gate With Single Barb Wire Arm, Add	482.28	
		For Gate With Double Barb Wire Arm, Add	701.49	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-822.06	
		For Aluminized Steel Gate And Post, Add	2,104.47	
		For Powder Coated Gate And Post, Add	1,139.92	
		For 1" Mesh Fabric, Add	1,907.18	
		For 1-1/4" Mesh Fabric, Add	1,227.61	
		For 1-3/4" Mesh Fabric, Add	762.87	
		For 2-1/8" Mesh Fabric, Deduct	-381.44	
32 31 13 13-0309	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	5,182.57	164.10
		For Gate With Single Barb Wire Arm, Add	515.87	
		For Gate With Double Barb Wire Arm, Add	750.36	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-879.33	
		For Aluminized Steel Gate And Post, Add	2,251.09	
		For Powder Coated Gate And Post, Add	1,219.34	
		For 1" Mesh Fabric, Add	2,040.05	
		For 1-1/4" Mesh Fabric, Add	1,313.14	
		For 1-3/4" Mesh Fabric, Add	816.02	
		For 2-1/8" Mesh Fabric, Deduct	-408.01	

32 31 13 13-0310 6' Fence Height (32 31 13 13-0269)

32 31 13 13-0311	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	506.72	29.50
		For Gate With Single Barb Wire Arm, Add	45.98	
		For Gate With Double Barb Wire Arm, Add	66.88	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.38	
		For Aluminized Steel Gate And Post, Add	200.64	
		For Powder Coated Gate And Post, Add	108.68	
		For 1" Mesh Fabric, Add	181.83	
		For 1-1/4" Mesh Fabric, Add	117.04	
		For 1-3/4" Mesh Fabric, Add	72.73	
		For 2-1/8" Mesh Fabric, Deduct	-36.37	
32 31 13 13-0312	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	645.19	29.50
		For Gate With Single Barb Wire Arm, Add	61.21	
		For Gate With Double Barb Wire Arm, Add	89.04	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-104.34	
		For Aluminized Steel Gate And Post, Add	267.11	
		For Powder Coated Gate And Post, Add	144.68	
		For 1" Mesh Fabric, Add	242.06	
		For 1-1/4" Mesh Fabric, Add	155.81	
		For 1-3/4" Mesh Fabric, Add	96.83	
		For 2-1/8" Mesh Fabric, Deduct	-48.41	
32 31 13 13-0313	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	756.57	31.36
		For Gate With Single Barb Wire Arm, Add	72.86	
		For Gate With Double Barb Wire Arm, Add	105.98	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-124.20	
		For Aluminized Steel Gate And Post, Add	317.94	
		For Powder Coated Gate And Post, Add	172.22	
		For 1" Mesh Fabric, Add	288.14	
		For 1-1/4" Mesh Fabric, Add	185.47	
		For 1-3/4" Mesh Fabric, Add	115.25	
		For 2-1/8" Mesh Fabric, Deduct	-57.63	
32 31 13 13-0314	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	878.04	37.88
		For Gate With Single Barb Wire Arm, Add	84.06	
		For Gate With Double Barb Wire Arm, Add	122.27	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.29	
		For Aluminized Steel Gate And Post, Add	366.81	
		For Powder Coated Gate And Post, Add	198.69	
		For 1" Mesh Fabric, Add	332.42	
		For 1-1/4" Mesh Fabric, Add	213.97	
		For 1-3/4" Mesh Fabric, Add	132.97	
		For 2-1/8" Mesh Fabric, Deduct	-66.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0315	EA		7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,005.41	44.51
			For Gate With Single Barb Wire Arm, Add	95.91	
			For Gate With Double Barb Wire Arm, Add	139.50	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-163.48	
			For Aluminized Steel Gate And Post, Add	418.51	
			For Powder Coated Gate And Post, Add	226.69	
			For 1" Mesh Fabric, Add	379.28	
			For 1-1/4" Mesh Fabric, Add	244.13	
			For 1-3/4" Mesh Fabric, Add	151.71	
			For 2-1/8" Mesh Fabric, Deduct	-75.86	
32 31 13 13-0316	EA		8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,126.61	50.71
			For Gate With Single Barb Wire Arm, Add	107.19	
			For Gate With Double Barb Wire Arm, Add	155.92	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-182.71	
			For Aluminized Steel Gate And Post, Add	467.75	
			For Powder Coated Gate And Post, Add	253.36	
			For 1" Mesh Fabric, Add	423.89	
			For 1-1/4" Mesh Fabric, Add	272.85	
			For 1-3/4" Mesh Fabric, Add	169.56	
			For 2-1/8" Mesh Fabric, Deduct	-84.78	
32 31 13 13-0317	EA		9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,248.87	57.24
			For Gate With Single Barb Wire Arm, Add	118.48	
			For Gate With Double Barb Wire Arm, Add	172.33	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-201.95	
			For Aluminized Steel Gate And Post, Add	516.98	
			For Powder Coated Gate And Post, Add	280.03	
			For 1" Mesh Fabric, Add	468.52	
			For 1-1/4" Mesh Fabric, Add	301.57	
			For 1-3/4" Mesh Fabric, Add	187.41	
			For 2-1/8" Mesh Fabric, Deduct	-93.70	
32 31 13 13-0318	EA		10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,324.93	63.76
			For Gate With Single Barb Wire Arm, Add	124.68	
			For Gate With Double Barb Wire Arm, Add	181.35	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-212.52	
			For Aluminized Steel Gate And Post, Add	544.06	
			For Powder Coated Gate And Post, Add	294.70	
			For 1" Mesh Fabric, Add	493.06	
			For 1-1/4" Mesh Fabric, Add	317.37	
			For 1-3/4" Mesh Fabric, Add	197.22	
			For 2-1/8" Mesh Fabric, Deduct	-98.61	
32 31 13 13-0319	EA		10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,858.98	63.66
			For Gate With Single Barb Wire Arm, Add	183.47	
			For Gate With Double Barb Wire Arm, Add	266.86	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-312.73	
			For Aluminized Steel Gate And Post, Add	800.59	
			For Powder Coated Gate And Post, Add	433.65	
			For 1" Mesh Fabric, Add	725.53	
			For 1-1/4" Mesh Fabric, Add	467.01	
			For 1-3/4" Mesh Fabric, Add	290.21	
			For 2-1/8" Mesh Fabric, Deduct	-145.11	
32 31 13 13-0320	EA		12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,207.23	68.93
			For Gate With Single Barb Wire Arm, Add	220.03	
			For Gate With Double Barb Wire Arm, Add	320.04	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-375.04	
			For Aluminized Steel Gate And Post, Add	960.11	
			For Powder Coated Gate And Post, Add	520.06	
			For 1" Mesh Fabric, Add	870.10	
			For 1-1/4" Mesh Fabric, Add	560.06	
			For 1-3/4" Mesh Fabric, Add	348.04	
			For 2-1/8" Mesh Fabric, Deduct	-174.02	
32 31 13 13-0321	EA		14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,620.33	93.75
			For Gate With Single Barb Wire Arm, Add	257.26	
			For Gate With Double Barb Wire Arm, Add	374.20	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-438.51	
			For Aluminized Steel Gate And Post, Add	1,122.59	
			For Powder Coated Gate And Post, Add	608.07	
			For 1" Mesh Fabric, Add	1,017.35	
			For 1-1/4" Mesh Fabric, Add	654.84	
			For 1-3/4" Mesh Fabric, Add	406.94	
			For 2-1/8" Mesh Fabric, Deduct	-203.47	
32 31 13 13-0322	EA		16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,974.34	101.02
			For Gate With Single Barb Wire Arm, Add	293.82	
			For Gate With Double Barb Wire Arm, Add	427.37	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-500.83	
			For Aluminized Steel Gate And Post, Add	1,282.12	
			For Powder Coated Gate And Post, Add	694.48	
			For 1" Mesh Fabric, Add	1,161.92	
			For 1-1/4" Mesh Fabric, Add	747.90	
			For 1-3/4" Mesh Fabric, Add	464.77	
			For 2-1/8" Mesh Fabric, Deduct	-232.38	
32 31 13 13-0323	EA		18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,338.12	109.40
			For Gate With Single Barb Wire Arm, Add	331.05	
			For Gate With Double Barb Wire Arm, Add	481.53	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-564.30	
			For Aluminized Steel Gate And Post, Add	1,444.60	
			For Powder Coated Gate And Post, Add	782.49	
			For 1" Mesh Fabric, Add	1,309.17	
			For 1-1/4" Mesh Fabric, Add	842.68	
			For 1-3/4" Mesh Fabric, Add	523.67	
			For 2-1/8" Mesh Fabric, Deduct	-261.83	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 13 13-0324	EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,706.48		119.38
	For Gate With Single Barb Wire Arm, Add	368.29		
	For Gate With Double Barb Wire Arm, Add	535.69		
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-627.77		
	For Aluminized Steel Gate And Post, Add	1,607.08		
	For Powder Coated Gate And Post, Add	870.50		
	For 1" Mesh Fabric, Add	1,456.41		
	For 1-1/4" Mesh Fabric, Add	937.46		
	For 1-3/4" Mesh Fabric, Add	582.57		
	For 2-1/8" Mesh Fabric, Deduct	-291.28		
32 31 13 13-0325	EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,074.67		131.33
	For Gate With Single Barb Wire Arm, Add	404.85		
	For Gate With Double Barb Wire Arm, Add	588.87		
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-690.08		
	For Aluminized Steel Gate And Post, Add	1,766.61		
	For Powder Coated Gate And Post, Add	956.91		
	For 1" Mesh Fabric, Add	1,600.99		
	For 1-1/4" Mesh Fabric, Add	1,030.52		
	For 1-3/4" Mesh Fabric, Add	640.39		
	For 2-1/8" Mesh Fabric, Deduct	-320.20		
32 31 13 13-0326	EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,453.90		145.87
	For Gate With Single Barb Wire Arm, Add	441.74		
	For Gate With Double Barb Wire Arm, Add	642.54		
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-752.97		
	For Aluminized Steel Gate And Post, Add	1,927.61		
	For Powder Coated Gate And Post, Add	1,044.12		
	For 1" Mesh Fabric, Add	1,746.89		
	For 1-1/4" Mesh Fabric, Add	1,124.44		
	For 1-3/4" Mesh Fabric, Add	698.76		
	For 2-1/8" Mesh Fabric, Deduct	-349.38		
32 31 13 13-0327	EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,840.38		164.10
	For Gate With Single Barb Wire Arm, Add	478.23		
	For Gate With Double Barb Wire Arm, Add	695.61		
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-815.17		
	For Aluminized Steel Gate And Post, Add	2,086.84		
	For Powder Coated Gate And Post, Add	1,130.37		
	For 1" Mesh Fabric, Add	1,891.20		
	For 1-1/4" Mesh Fabric, Add	1,217.32		
	For 1-3/4" Mesh Fabric, Add	756.48		
	For 2-1/8" Mesh Fabric, Deduct	-378.24		
32 31 13 13-0328	EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,246.82		187.51
	For Gate With Single Barb Wire Arm, Add	515.20		
	For Gate With Double Barb Wire Arm, Add	749.38		
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-878.18		
	For Aluminized Steel Gate And Post, Add	2,248.14		
	For Powder Coated Gate And Post, Add	1,217.74		
	For 1" Mesh Fabric, Add	2,037.37		
	For 1-1/4" Mesh Fabric, Add	1,311.41		
	For 1-3/4" Mesh Fabric, Add	814.95		
	For 2-1/8" Mesh Fabric, Deduct	-407.47		
32 31 13 13-0329	EA 30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,677.34		218.81
	For Gate With Single Barb Wire Arm, Add	552.23		
	For Gate With Double Barb Wire Arm, Add	803.24		
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-941.30		
	For Aluminized Steel Gate And Post, Add	2,409.73		
	For Powder Coated Gate And Post, Add	1,305.27		
	For 1" Mesh Fabric, Add	2,183.82		
	For 1-1/4" Mesh Fabric, Add	1,405.68		
	For 1-3/4" Mesh Fabric, Add	873.53		
	For 2-1/8" Mesh Fabric, Deduct	-436.76		
32 31 13 13-0330	7' Fence Height (32 31 13 13-0269)			
32 31 13 13-0331	EA 3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	531.49		31.78
	For Gate With Single Barb Wire Arm, Add	47.95		
	For Gate With Double Barb Wire Arm, Add	69.75		
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-81.74		
	For Aluminized Steel Gate And Post, Add	209.26		
	For Powder Coated Gate And Post, Add	113.35		
	For 1" Mesh Fabric, Add	189.64		
	For 1-1/4" Mesh Fabric, Add	122.07		
	For 1-3/4" Mesh Fabric, Add	75.86		
	For 2-1/8" Mesh Fabric, Deduct	-37.93		
32 31 13 13-0332	EA 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	675.09		31.78
	For Gate With Single Barb Wire Arm, Add	63.75		
	For Gate With Double Barb Wire Arm, Add	92.73		
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-108.67		
	For Aluminized Steel Gate And Post, Add	278.18		
	For Powder Coated Gate And Post, Add	150.68		
	For 1" Mesh Fabric, Add	252.10		
	For 1-1/4" Mesh Fabric, Add	162.27		
	For 1-3/4" Mesh Fabric, Add	100.84		
	For 2-1/8" Mesh Fabric, Deduct	-50.42		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0333	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	.....	796.27	33.43
		For Gate With Single Barb Wire Arm, Add		76.55	
		For Gate With Double Barb Wire Arm, Add		111.34	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-130.48	
		For Aluminized Steel Gate And Post, Add		334.02	
		For Powder Coated Gate And Post, Add		180.93	
		For 1" Mesh Fabric, Add		302.71	
		For 1-1/4" Mesh Fabric, Add		194.85	
		For 1-3/4" Mesh Fabric, Add		121.08	
		For 2-1/8" Mesh Fabric, Deduct		-60.54	
32 31 13 13-0334	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	.....	975.97	40.67
		For Gate With Single Barb Wire Arm, Add		93.92	
		For Gate With Double Barb Wire Arm, Add		136.61	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-160.10	
		For Aluminized Steel Gate And Post, Add		409.84	
		For Powder Coated Gate And Post, Add		222.00	
		For 1" Mesh Fabric, Add		371.42	
		For 1-1/4" Mesh Fabric, Add		239.08	
		For 1-3/4" Mesh Fabric, Add		148.57	
		For 2-1/8" Mesh Fabric, Deduct		-74.28	
32 31 13 13-0335	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,154.69	47.61
		For Gate With Single Barb Wire Arm, Add		111.30	
		For Gate With Double Barb Wire Arm, Add		161.90	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-189.72	
		For Aluminized Steel Gate And Post, Add		485.69	
		For Powder Coated Gate And Post, Add		263.08	
		For 1" Mesh Fabric, Add		440.16	
		For 1-1/4" Mesh Fabric, Add		283.32	
		For 1-3/4" Mesh Fabric, Add		176.06	
		For 2-1/8" Mesh Fabric, Deduct		-88.03	
32 31 13 13-0336	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,334.40	54.75
		For Gate With Single Barb Wire Arm, Add		128.68	
		For Gate With Double Barb Wire Arm, Add		187.17	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-219.34	
		For Aluminized Steel Gate And Post, Add		561.52	
		For Powder Coated Gate And Post, Add		304.16	
		For 1" Mesh Fabric, Add		508.88	
		For 1-1/4" Mesh Fabric, Add		327.55	
		For 1-3/4" Mesh Fabric, Add		203.55	
		For 2-1/8" Mesh Fabric, Deduct		-101.78	
32 31 13 13-0337	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,513.11	61.68
		For Gate With Single Barb Wire Arm, Add		146.06	
		For Gate With Double Barb Wire Arm, Add		212.46	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-248.97	
		For Aluminized Steel Gate And Post, Add		637.37	
		For Powder Coated Gate And Post, Add		345.24	
		For 1" Mesh Fabric, Add		577.61	
		For 1-1/4" Mesh Fabric, Add		371.80	
		For 1-3/4" Mesh Fabric, Add		231.05	
		For 2-1/8" Mesh Fabric, Deduct		-115.52	
32 31 13 13-0338	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	.....	1,664.35	68.93
		For Gate With Single Barb Wire Arm, Add		160.31	
		For Gate With Double Barb Wire Arm, Add		233.18	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-273.25	
		For Aluminized Steel Gate And Post, Add		699.53	
		For Powder Coated Gate And Post, Add		378.91	
		For 1" Mesh Fabric, Add		633.95	
		For 1-1/4" Mesh Fabric, Add		408.06	
		For 1-3/4" Mesh Fabric, Add		253.58	
		For 2-1/8" Mesh Fabric, Deduct		-126.79	
32 31 13 13-0339	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,119.95	68.93
		For Gate With Single Barb Wire Arm, Add		210.42	
		For Gate With Double Barb Wire Arm, Add		306.07	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-358.68	
		For Aluminized Steel Gate And Post, Add		918.22	
		For Powder Coated Gate And Post, Add		497.37	
		For 1" Mesh Fabric, Add		832.13	
		For 1-1/4" Mesh Fabric, Add		535.63	
		For 1-3/4" Mesh Fabric, Add		332.85	
		For 2-1/8" Mesh Fabric, Deduct		-166.43	
32 31 13 13-0340	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,408.65	93.75
		For Gate With Single Barb Wire Arm, Add		233.98	
		For Gate With Double Barb Wire Arm, Add		340.33	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-398.82	
		For Aluminized Steel Gate And Post, Add		1,020.98	
		For Powder Coated Gate And Post, Add		553.03	
		For 1" Mesh Fabric, Add		925.27	
		For 1-1/4" Mesh Fabric, Add		595.57	
		For 1-3/4" Mesh Fabric, Add		370.11	
		For 2-1/8" Mesh Fabric, Deduct		-185.05	
32 31 13 13-0341	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	.....	2,784.82	101.02
		For Gate With Single Barb Wire Arm, Add		272.97	
		For Gate With Double Barb Wire Arm, Add		397.05	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct		-465.29	
		For Aluminized Steel Gate And Post, Add		1,191.15	
		For Powder Coated Gate And Post, Add		645.21	
		For 1" Mesh Fabric, Add		1,079.48	
		For 1-1/4" Mesh Fabric, Add		694.84	
		For 1-3/4" Mesh Fabric, Add		431.79	
		For 2-1/8" Mesh Fabric, Deduct		-215.90	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0342	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,135.02	109.40
		For Gate With Single Barb Wire Arm, Add	308.71	
		For Gate With Double Barb Wire Arm, Add	449.04	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-526.22	
		For Aluminized Steel Gate And Post, Add	1,347.11	
		For Powder Coated Gate And Post, Add	729.68	
		For 1" Mesh Fabric, Add	1,220.82	
		For 1-1/4" Mesh Fabric, Add	785.81	
		For 1-3/4" Mesh Fabric, Add	488.33	
		For 2-1/8" Mesh Fabric, Deduct	-244.16	
32 31 13 13-0343	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,521.84	119.38
		For Gate With Single Barb Wire Arm, Add	347.98	
		For Gate With Double Barb Wire Arm, Add	506.15	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-593.15	
		For Aluminized Steel Gate And Post, Add	1,518.45	
		For Powder Coated Gate And Post, Add	822.49	
		For 1" Mesh Fabric, Add	1,376.10	
		For 1-1/4" Mesh Fabric, Add	885.76	
		For 1-3/4" Mesh Fabric, Add	550.44	
		For 2-1/8" Mesh Fabric, Deduct	-275.22	
32 31 13 13-0344	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,908.49	131.33
		For Gate With Single Barb Wire Arm, Add	386.57	
		For Gate With Double Barb Wire Arm, Add	562.28	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-658.92	
		For Aluminized Steel Gate And Post, Add	1,686.84	
		For Powder Coated Gate And Post, Add	913.71	
		For 1" Mesh Fabric, Add	1,528.70	
		For 1-1/4" Mesh Fabric, Add	983.99	
		For 1-3/4" Mesh Fabric, Add	611.48	
		For 2-1/8" Mesh Fabric, Deduct	-305.74	
32 31 13 13-0345	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,303.11	145.87
		For Gate With Single Barb Wire Arm, Add	425.16	
		For Gate With Double Barb Wire Arm, Add	618.41	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-724.70	
		For Aluminized Steel Gate And Post, Add	1,855.23	
		For Powder Coated Gate And Post, Add	1,004.92	
		For 1" Mesh Fabric, Add	1,681.30	
		For 1-1/4" Mesh Fabric, Add	1,082.22	
		For 1-3/4" Mesh Fabric, Add	672.52	
		For 2-1/8" Mesh Fabric, Deduct	-336.26	
32 31 13 13-0346	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,708.67	164.10
		For Gate With Single Barb Wire Arm, Add	463.75	
		For Gate With Double Barb Wire Arm, Add	674.54	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-790.48	
		For Aluminized Steel Gate And Post, Add	2,023.62	
		For Powder Coated Gate And Post, Add	1,096.13	
		For 1" Mesh Fabric, Add	1,833.90	
		For 1-1/4" Mesh Fabric, Add	1,180.44	
		For 1-3/4" Mesh Fabric, Add	733.56	
		For 2-1/8" Mesh Fabric, Deduct	-366.78	
32 31 13 13-0347	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,129.88	187.51
		For Gate With Single Barb Wire Arm, Add	502.33	
		For Gate With Double Barb Wire Arm, Add	730.67	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-856.25	
		For Aluminized Steel Gate And Post, Add	2,192.01	
		For Powder Coated Gate And Post, Add	1,187.34	
		For 1" Mesh Fabric, Add	1,986.51	
		For 1-1/4" Mesh Fabric, Add	1,278.67	
		For 1-3/4" Mesh Fabric, Add	794.60	
		For 2-1/8" Mesh Fabric, Deduct	-397.30	
32 31 13 13-0348	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,574.56	218.81
		For Gate With Single Barb Wire Arm, Add	540.92	
		For Gate With Double Barb Wire Arm, Add	786.80	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-922.03	
		For Aluminized Steel Gate And Post, Add	2,360.40	
		For Powder Coated Gate And Post, Add	1,278.55	
		For 1" Mesh Fabric, Add	2,139.11	
		For 1-1/4" Mesh Fabric, Add	1,376.90	
		For 1-3/4" Mesh Fabric, Add	855.64	
		For 2-1/8" Mesh Fabric, Deduct	-427.82	
32 31 13 13-0349	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	6,056.78	262.54
		For Gate With Single Barb Wire Arm, Add	579.51	
		For Gate With Double Barb Wire Arm, Add	842.93	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-987.81	
		For Aluminized Steel Gate And Post, Add	2,528.78	
		For Powder Coated Gate And Post, Add	1,369.76	
		For 1" Mesh Fabric, Add	2,291.71	
		For 1-1/4" Mesh Fabric, Add	1,475.12	
		For 1-3/4" Mesh Fabric, Add	916.68	
		For 2-1/8" Mesh Fabric, Deduct	-458.34	

32 31 13 13-0350 8' Fence Height (32 31 13 13-0269)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0351	EA	3'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	624.15	34.47
			For Gate With Single Barb Wire Arm, Add	57.27	
			For Gate With Double Barb Wire Arm, Add	83.30	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-97.62	
			For Aluminized Steel Gate And Post, Add	249.91	
			For Powder Coated Gate And Post, Add	135.37	
			For 1" Mesh Fabric, Add	226.48	
			For 1-1/4" Mesh Fabric, Add	145.78	
			For 1-3/4" Mesh Fabric, Add	90.59	
			For 2-1/8" Mesh Fabric, Deduct	-45.30	
32 31 13 13-0352	EA	4'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	797.70	34.47
			For Gate With Single Barb Wire Arm, Add	76.36	
			For Gate With Double Barb Wire Arm, Add	111.07	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-130.16	
			For Aluminized Steel Gate And Post, Add	333.22	
			For Powder Coated Gate And Post, Add	180.49	
			For 1" Mesh Fabric, Add	301.98	
			For 1-1/4" Mesh Fabric, Add	194.38	
			For 1-3/4" Mesh Fabric, Add	120.79	
			For 2-1/8" Mesh Fabric, Deduct	-60.40	
32 31 13 13-0353	EA	5'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	931.85	38.40
			For Gate With Single Barb Wire Arm, Add	89.81	
			For Gate With Double Barb Wire Arm, Add	130.63	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.08	
			For Aluminized Steel Gate And Post, Add	391.90	
			For Powder Coated Gate And Post, Add	212.28	
			For 1" Mesh Fabric, Add	355.16	
			For 1-1/4" Mesh Fabric, Add	228.61	
			For 1-3/4" Mesh Fabric, Add	142.06	
			For 2-1/8" Mesh Fabric, Deduct	-71.03	
32 31 13 13-0354	EA	6'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,069.13	43.47
			For Gate With Single Barb Wire Arm, Add	103.26	
			For Gate With Double Barb Wire Arm, Add	150.20	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-176.01	
			For Aluminized Steel Gate And Post, Add	450.59	
			For Powder Coated Gate And Post, Add	244.07	
			For 1" Mesh Fabric, Add	408.34	
			For 1-1/4" Mesh Fabric, Add	262.84	
			For 1-3/4" Mesh Fabric, Add	163.34	
			For 2-1/8" Mesh Fabric, Deduct	-81.67	
32 31 13 13-0355	EA	7'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,218.31	52.37
			For Gate With Single Barb Wire Arm, Add	116.71	
			For Gate With Double Barb Wire Arm, Add	169.76	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-198.94	
			For Aluminized Steel Gate And Post, Add	509.28	
			For Powder Coated Gate And Post, Add	275.86	
			For 1" Mesh Fabric, Add	461.53	
			For 1-1/4" Mesh Fabric, Add	297.08	
			For 1-3/4" Mesh Fabric, Add	184.61	
			For 2-1/8" Mesh Fabric, Deduct	-92.31	
32 31 13 13-0356	EA	8'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,366.47	60.97
			For Gate With Single Barb Wire Arm, Add	130.16	
			For Gate With Double Barb Wire Arm, Add	189.32	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-221.86	
			For Aluminized Steel Gate And Post, Add	567.97	
			For Powder Coated Gate And Post, Add	307.65	
			For 1" Mesh Fabric, Add	514.72	
			For 1-1/4" Mesh Fabric, Add	331.32	
			For 1-3/4" Mesh Fabric, Add	205.89	
			For 2-1/8" Mesh Fabric, Deduct	-102.94	
32 31 13 13-0357	EA	9'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,515.65	69.96
			For Gate With Single Barb Wire Arm, Add	143.61	
			For Gate With Double Barb Wire Arm, Add	208.89	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-244.79	
			For Aluminized Steel Gate And Post, Add	626.66	
			For Powder Coated Gate And Post, Add	339.44	
			For 1" Mesh Fabric, Add	567.91	
			For 1-1/4" Mesh Fabric, Add	365.55	
			For 1-3/4" Mesh Fabric, Add	227.16	
			For 2-1/8" Mesh Fabric, Deduct	-113.58	
32 31 13 13-0358	EA	10'	Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,664.82	78.97
			For Gate With Single Barb Wire Arm, Add	157.06	
			For Gate With Double Barb Wire Arm, Add	228.45	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-267.71	
			For Aluminized Steel Gate And Post, Add	685.35	
			For Powder Coated Gate And Post, Add	371.23	
			For 1" Mesh Fabric, Add	621.10	
			For 1-1/4" Mesh Fabric, Add	399.79	
			For 1-3/4" Mesh Fabric, Add	248.44	
			For 2-1/8" Mesh Fabric, Deduct	-124.22	
32 31 13 13-0359	EA	10'	Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,423.34	93.75
			For Gate With Single Barb Wire Arm, Add	235.59	
			For Gate With Double Barb Wire Arm, Add	342.68	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-401.58	
			For Aluminized Steel Gate And Post, Add	1,028.04	
			For Powder Coated Gate And Post, Add	556.85	
			For 1" Mesh Fabric, Add	931.66	
			For 1-1/4" Mesh Fabric, Add	599.69	
			For 1-3/4" Mesh Fabric, Add	372.66	
			For 2-1/8" Mesh Fabric, Deduct	-186.33	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0360	EA 12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,857.40	101.02
	For Gate With Single Barb Wire Arm, Add	280.96	
	For Gate With Double Barb Wire Arm, Add	408.66	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-478.90	
	For Aluminized Steel Gate And Post, Add	1,225.99	
	For Powder Coated Gate And Post, Add	664.08	
	For 1" Mesh Fabric, Add	1,111.05	
	For 1-1/4" Mesh Fabric, Add	715.16	
	For 1-3/4" Mesh Fabric, Add	444.42	
	For 2-1/8" Mesh Fabric, Deduct	-222.21	
32 31 13 13-0361	EA 14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,301.19	109.40
	For Gate With Single Barb Wire Arm, Add	326.99	
	For Gate With Double Barb Wire Arm, Add	475.62	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-557.37	
	For Aluminized Steel Gate And Post, Add	1,426.87	
	For Powder Coated Gate And Post, Add	772.89	
	For 1" Mesh Fabric, Add	1,293.10	
	For 1-1/4" Mesh Fabric, Add	832.34	
	For 1-3/4" Mesh Fabric, Add	517.24	
	For 2-1/8" Mesh Fabric, Deduct	-258.62	
32 31 13 13-0362	EA 16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,761.87	119.38
	For Gate With Single Barb Wire Arm, Add	374.38	
	For Gate With Double Barb Wire Arm, Add	544.56	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-638.15	
	For Aluminized Steel Gate And Post, Add	1,633.67	
	For Powder Coated Gate And Post, Add	884.90	
	For 1" Mesh Fabric, Add	1,480.51	
	For 1-1/4" Mesh Fabric, Add	952.97	
	For 1-3/4" Mesh Fabric, Add	592.20	
	For 2-1/8" Mesh Fabric, Deduct	-296.10	
32 31 13 13-0363	EA 18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,228.53	131.33
	For Gate With Single Barb Wire Arm, Add	421.77	
	For Gate With Double Barb Wire Arm, Add	613.49	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-718.93	
	For Aluminized Steel Gate And Post, Add	1,840.46	
	For Powder Coated Gate And Post, Add	996.92	
	For 1" Mesh Fabric, Add	1,667.92	
	For 1-1/4" Mesh Fabric, Add	1,073.60	
	For 1-3/4" Mesh Fabric, Add	667.17	
	For 2-1/8" Mesh Fabric, Deduct	-333.58	
32 31 13 13-0364	EA 20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,697.01	145.87
	For Gate With Single Barb Wire Arm, Add	468.49	
	For Gate With Double Barb Wire Arm, Add	681.43	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-798.56	
	For Aluminized Steel Gate And Post, Add	2,044.30	
	For Powder Coated Gate And Post, Add	1,107.33	
	For 1" Mesh Fabric, Add	1,852.65	
	For 1-1/4" Mesh Fabric, Add	1,192.51	
	For 1-3/4" Mesh Fabric, Add	741.06	
	For 2-1/8" Mesh Fabric, Deduct	-370.53	
32 31 13 13-0365	EA 22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,170.27	164.10
	For Gate With Single Barb Wire Arm, Add	514.52	
	For Gate With Double Barb Wire Arm, Add	748.40	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-877.03	
	For Aluminized Steel Gate And Post, Add	2,245.19	
	For Powder Coated Gate And Post, Add	1,216.14	
	For 1" Mesh Fabric, Add	2,034.70	
	For 1-1/4" Mesh Fabric, Add	1,309.69	
	For 1-3/4" Mesh Fabric, Add	813.88	
	For 2-1/8" Mesh Fabric, Deduct	-406.94	
32 31 13 13-0366	EA 24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,671.48	187.51
	For Gate With Single Barb Wire Arm, Add	561.91	
	For Gate With Double Barb Wire Arm, Add	817.32	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-957.80	
	For Aluminized Steel Gate And Post, Add	2,451.97	
	For Powder Coated Gate And Post, Add	1,328.15	
	For 1" Mesh Fabric, Add	2,222.10	
	For 1-1/4" Mesh Fabric, Add	1,430.32	
	For 1-3/4" Mesh Fabric, Add	888.84	
	For 2-1/8" Mesh Fabric, Deduct	-444.42	
32 31 13 13-0367	EA 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,196.17	218.81
	For Gate With Single Barb Wire Arm, Add	609.30	
	For Gate With Double Barb Wire Arm, Add	886.26	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,038.58	
	For Aluminized Steel Gate And Post, Add	2,658.77	
	For Powder Coated Gate And Post, Add	1,440.17	
	For 1" Mesh Fabric, Add	2,409.51	
	For 1-1/4" Mesh Fabric, Add	1,550.95	
	For 1-3/4" Mesh Fabric, Add	963.80	
	For 2-1/8" Mesh Fabric, Deduct	-481.90	
32 31 13 13-0368	EA 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,752.25	262.54
	For Gate With Single Barb Wire Arm, Add	656.01	
	For Gate With Double Barb Wire Arm, Add	954.20	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,118.21	
	For Aluminized Steel Gate And Post, Add	2,862.61	
	For Powder Coated Gate And Post, Add	1,550.58	
	For 1" Mesh Fabric, Add	2,594.24	
	For 1-1/4" Mesh Fabric, Add	1,669.86	
	For 1-3/4" Mesh Fabric, Add	1,037.70	
	For 2-1/8" Mesh Fabric, Deduct	-518.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0369	EA	30'	Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	7,374.04	328.21
			For Gate With Single Barb Wire Arm, Add	702.73	
			For Gate With Double Barb Wire Arm, Add	1,022.15	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,197.83	
			For Aluminized Steel Gate And Post, Add	3,066.45	
			For Powder Coated Gate And Post, Add	1,660.99	
			For 1" Mesh Fabric, Add	2,778.97	
			For 1-1/4" Mesh Fabric, Add	1,788.76	
			For 1-3/4" Mesh Fabric, Add	1,111.59	
			For 2-1/8" Mesh Fabric, Deduct	-555.79	
32 31 13 13-0370			10' Fence Height (32 31 13 13-0269)		
32 31 13 13-0371	EA	3'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	788.27	38.30
			For Gate With Single Barb Wire Arm, Add	74.06	
			For Gate With Double Barb Wire Arm, Add	107.72	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.24	
			For Aluminized Steel Gate And Post, Add	323.17	
			For Powder Coated Gate And Post, Add	175.05	
			For 1" Mesh Fabric, Add	292.87	
			For 1-1/4" Mesh Fabric, Add	188.52	
			For 1-3/4" Mesh Fabric, Add	117.15	
			For 2-1/8" Mesh Fabric, Deduct	-58.57	
32 31 13 13-0372	EA	4'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,012.69	38.30
			For Gate With Single Barb Wire Arm, Add	98.75	
			For Gate With Double Barb Wire Arm, Add	143.63	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-168.32	
			For Aluminized Steel Gate And Post, Add	430.89	
			For Powder Coated Gate And Post, Add	233.40	
			For 1" Mesh Fabric, Add	390.50	
			For 1-1/4" Mesh Fabric, Add	251.35	
			For 1-3/4" Mesh Fabric, Add	156.20	
			For 2-1/8" Mesh Fabric, Deduct	-78.10	
32 31 13 13-0373	EA	5'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,175.87	39.96
			For Gate With Single Barb Wire Arm, Add	116.14	
			For Gate With Double Barb Wire Arm, Add	168.93	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.96	
			For Aluminized Steel Gate And Post, Add	506.79	
			For Powder Coated Gate And Post, Add	274.51	
			For 1" Mesh Fabric, Add	459.28	
			For 1-1/4" Mesh Fabric, Add	295.63	
			For 1-3/4" Mesh Fabric, Add	183.71	
			For 2-1/8" Mesh Fabric, Deduct	-91.86	
32 31 13 13-0374	EA	6'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,362.97	49.68
			For Gate With Single Barb Wire Arm, Add	133.53	
			For Gate With Double Barb Wire Arm, Add	194.23	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-227.61	
			For Aluminized Steel Gate And Post, Add	582.69	
			For Powder Coated Gate And Post, Add	315.62	
			For 1" Mesh Fabric, Add	528.06	
			For 1-1/4" Mesh Fabric, Add	339.90	
			For 1-3/4" Mesh Fabric, Add	211.23	
			For 2-1/8" Mesh Fabric, Deduct	-105.61	
32 31 13 13-0375	EA	7'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,549.44	58.89
			For Gate With Single Barb Wire Arm, Add	150.92	
			For Gate With Double Barb Wire Arm, Add	219.52	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-257.25	
			For Aluminized Steel Gate And Post, Add	658.56	
			For Powder Coated Gate And Post, Add	356.72	
			For 1" Mesh Fabric, Add	596.82	
			For 1-1/4" Mesh Fabric, Add	384.16	
			For 1-3/4" Mesh Fabric, Add	238.73	
			For 2-1/8" Mesh Fabric, Deduct	-119.36	
32 31 13 13-0376	EA	8'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,736.09	68.63
			For Gate With Single Barb Wire Arm, Add	168.31	
			For Gate With Double Barb Wire Arm, Add	244.82	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-286.90	
			For Aluminized Steel Gate And Post, Add	734.46	
			For Powder Coated Gate And Post, Add	397.83	
			For 1" Mesh Fabric, Add	665.61	
			For 1-1/4" Mesh Fabric, Add	428.44	
			For 1-3/4" Mesh Fabric, Add	266.24	
			For 2-1/8" Mesh Fabric, Deduct	-133.12	
32 31 13 13-0377	EA	9'	Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,922.15	77.94
			For Gate With Single Barb Wire Arm, Add	185.71	
			For Gate With Double Barb Wire Arm, Add	270.12	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-316.55	
			For Aluminized Steel Gate And Post, Add	810.36	
			For Powder Coated Gate And Post, Add	438.95	
			For 1" Mesh Fabric, Add	734.39	
			For 1-1/4" Mesh Fabric, Add	472.71	
			For 1-3/4" Mesh Fabric, Add	293.76	
			For 2-1/8" Mesh Fabric, Deduct	-146.88	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0378	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	2,109.27	87.56
		For Gate With Single Barb Wire Arm, Add	203.10	
		For Gate With Double Barb Wire Arm, Add	295.42	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-346.19	
		For Aluminized Steel Gate And Post, Add	886.26	
		For Powder Coated Gate And Post, Add	480.06	
		For 1" Mesh Fabric, Add	803.17	
		For 1-1/4" Mesh Fabric, Add	516.98	
		For 1-3/4" Mesh Fabric, Add	321.27	
		For 2-1/8" Mesh Fabric, Deduct	-160.63	
32 31 13 13-0379	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,082.42	104.23
		For Gate With Single Barb Wire Arm, Add	304.65	
		For Gate With Double Barb Wire Arm, Add	443.12	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-519.29	
		For Aluminized Steel Gate And Post, Add	1,329.37	
		For Powder Coated Gate And Post, Add	720.08	
		For 1" Mesh Fabric, Add	1,204.75	
		For 1-1/4" Mesh Fabric, Add	775.47	
		For 1-3/4" Mesh Fabric, Add	481.90	
		For 2-1/8" Mesh Fabric, Deduct	-240.95	
32 31 13 13-0380	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,352.62	112.12
		For Gate With Single Barb Wire Arm, Add	331.74	
		For Gate With Double Barb Wire Arm, Add	482.52	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-565.46	
		For Aluminized Steel Gate And Post, Add	1,447.57	
		For Powder Coated Gate And Post, Add	784.10	
		For 1" Mesh Fabric, Add	1,311.86	
		For 1-1/4" Mesh Fabric, Add	844.42	
		For 1-3/4" Mesh Fabric, Add	524.75	
		For 2-1/8" Mesh Fabric, Deduct	-262.37	
32 31 13 13-0381	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,823.90	121.60
		For Gate With Single Barb Wire Arm, Add	380.47	
		For Gate With Double Barb Wire Arm, Add	553.42	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-648.54	
		For Aluminized Steel Gate And Post, Add	1,660.25	
		For Powder Coated Gate And Post, Add	899.30	
		For 1" Mesh Fabric, Add	1,504.60	
		For 1-1/4" Mesh Fabric, Add	968.48	
		For 1-3/4" Mesh Fabric, Add	601.84	
		For 2-1/8" Mesh Fabric, Deduct	-300.92	
32 31 13 13-0382	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,349.30	132.56
		For Gate With Single Barb Wire Arm, Add	434.64	
		For Gate With Double Barb Wire Arm, Add	632.20	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-740.86	
		For Aluminized Steel Gate And Post, Add	1,896.59	
		For Powder Coated Gate And Post, Add	1,027.32	
		For 1" Mesh Fabric, Add	1,718.79	
		For 1-1/4" Mesh Fabric, Add	1,106.34	
		For 1-3/4" Mesh Fabric, Add	687.51	
		For 2-1/8" Mesh Fabric, Deduct	-343.76	
32 31 13 13-0383	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,881.64	145.87
		For Gate With Single Barb Wire Arm, Add	488.79	
		For Gate With Double Barb Wire Arm, Add	710.97	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-833.17	
		For Aluminized Steel Gate And Post, Add	2,132.92	
		For Powder Coated Gate And Post, Add	1,155.33	
		For 1" Mesh Fabric, Add	1,932.96	
		For 1-1/4" Mesh Fabric, Add	1,244.21	
		For 1-3/4" Mesh Fabric, Add	773.18	
		For 2-1/8" Mesh Fabric, Deduct	-386.59	
32 31 13 13-0384	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,425.51	162.01
		For Gate With Single Barb Wire Arm, Add	543.29	
		For Gate With Double Barb Wire Arm, Add	790.24	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-926.07	
		For Aluminized Steel Gate And Post, Add	2,370.73	
		For Powder Coated Gate And Post, Add	1,284.15	
		For 1" Mesh Fabric, Add	2,148.48	
		For 1-1/4" Mesh Fabric, Add	1,382.93	
		For 1-3/4" Mesh Fabric, Add	859.39	
		For 2-1/8" Mesh Fabric, Deduct	-429.70	
32 31 13 13-0385	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,982.04	182.34
		For Gate With Single Barb Wire Arm, Add	597.79	
		For Gate With Double Barb Wire Arm, Add	869.52	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,018.97	
		For Aluminized Steel Gate And Post, Add	2,608.55	
		For Powder Coated Gate And Post, Add	1,412.96	
		For 1" Mesh Fabric, Add	2,364.00	
		For 1-1/4" Mesh Fabric, Add	1,521.65	
		For 1-3/4" Mesh Fabric, Add	945.60	
		For 2-1/8" Mesh Fabric, Deduct	-472.80	
32 31 13 13-0386	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,552.22	208.21
		For Gate With Single Barb Wire Arm, Add	651.95	
		For Gate With Double Barb Wire Arm, Add	948.29	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,111.28	
		For Aluminized Steel Gate And Post, Add	2,844.88	
		For Powder Coated Gate And Post, Add	1,540.98	
		For 1" Mesh Fabric, Add	2,578.18	
		For 1-1/4" Mesh Fabric, Add	1,659.52	
		For 1-3/4" Mesh Fabric, Add	1,031.27	
		For 2-1/8" Mesh Fabric, Deduct	-515.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0387	EA		26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,149.29	243.08
			For Gate With Single Barb Wire Arm, Add	706.11	
			For Gate With Double Barb Wire Arm, Add	1,027.07	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,203.60	
			For Aluminized Steel Gate And Post, Add	3,081.22	
			For Powder Coated Gate And Post, Add	1,668.99	
			For 1" Mesh Fabric, Add	2,792.36	
			For 1-1/4" Mesh Fabric, Add	1,797.38	
			For 1-3/4" Mesh Fabric, Add	1,116.94	
			For 2-1/8" Mesh Fabric, Deduct	-558.47	
32 31 13 13-0388	EA		28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,786.88	291.49
			For Gate With Single Barb Wire Arm, Add	760.27	
			For Gate With Double Barb Wire Arm, Add	1,105.85	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,295.92	
			For Aluminized Steel Gate And Post, Add	3,317.55	
			For Powder Coated Gate And Post, Add	1,797.01	
			For 1" Mesh Fabric, Add	3,006.53	
			For 1-1/4" Mesh Fabric, Add	1,935.24	
			For 1-3/4" Mesh Fabric, Add	1,202.61	
			For 2-1/8" Mesh Fabric, Deduct	-601.31	
32 31 13 13-0389	EA		30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	8,505.20	364.67
			For Gate With Single Barb Wire Arm, Add	815.11	
			For Gate With Double Barb Wire Arm, Add	1,185.61	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,389.39	
			For Aluminized Steel Gate And Post, Add	3,556.84	
			For Powder Coated Gate And Post, Add	1,926.62	
			For 1" Mesh Fabric, Add	3,223.39	
			For 1-1/4" Mesh Fabric, Add	2,074.83	
			For 1-3/4" Mesh Fabric, Add	1,289.36	
			For 2-1/8" Mesh Fabric, Deduct	-644.68	
32 31 13 13-0390 12' Fence Height (32 31 13 13-0269)					
32 31 13 13-0391	EA		3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	989.57	42.54
			For Gate With Single Barb Wire Arm, Add	94.80	
			For Gate With Double Barb Wire Arm, Add	137.89	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.59	
			For Aluminized Steel Gate And Post, Add	413.66	
			For Powder Coated Gate And Post, Add	224.07	
			For 1" Mesh Fabric, Add	374.88	
			For 1-1/4" Mesh Fabric, Add	241.30	
			For 1-3/4" Mesh Fabric, Add	149.95	
			For 2-1/8" Mesh Fabric, Deduct	-74.98	
32 31 13 13-0392	EA		4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,276.81	42.54
			For Gate With Single Barb Wire Arm, Add	126.39	
			For Gate With Double Barb Wire Arm, Add	183.84	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.44	
			For Aluminized Steel Gate And Post, Add	551.53	
			For Powder Coated Gate And Post, Add	298.75	
			For 1" Mesh Fabric, Add	499.83	
			For 1-1/4" Mesh Fabric, Add	321.73	
			For 1-3/4" Mesh Fabric, Add	199.93	
			For 2-1/8" Mesh Fabric, Deduct	-99.97	
32 31 13 13-0393	EA		5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,483.92	44.09
			For Gate With Single Barb Wire Arm, Add	148.66	
			For Gate With Double Barb Wire Arm, Add	216.23	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-253.40	
			For Aluminized Steel Gate And Post, Add	648.69	
			For Powder Coated Gate And Post, Add	351.37	
			For 1" Mesh Fabric, Add	587.88	
			For 1-1/4" Mesh Fabric, Add	378.40	
			For 1-3/4" Mesh Fabric, Add	235.15	
			For 2-1/8" Mesh Fabric, Deduct	-117.58	
32 31 13 13-0394	EA		6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,718.39	54.75
			For Gate With Single Barb Wire Arm, Add	170.92	
			For Gate With Double Barb Wire Arm, Add	248.61	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-291.34	
			For Aluminized Steel Gate And Post, Add	745.83	
			For Powder Coated Gate And Post, Add	403.99	
			For 1" Mesh Fabric, Add	675.91	
			For 1-1/4" Mesh Fabric, Add	435.07	
			For 1-3/4" Mesh Fabric, Add	270.36	
			For 2-1/8" Mesh Fabric, Deduct	-135.18	
32 31 13 13-0395	EA		7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	667.99	65.52
			For Gate With Single Barb Wire Arm, Add	51.85	
			For Gate With Double Barb Wire Arm, Add	75.41	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.37	
			For Aluminized Steel Gate And Post, Add	226.24	
			For Powder Coated Gate And Post, Add	122.55	
			For 1" Mesh Fabric, Add	205.03	
			For 1-1/4" Mesh Fabric, Add	131.97	
			For 1-3/4" Mesh Fabric, Add	82.01	
			For 2-1/8" Mesh Fabric, Deduct	-41.01	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0396	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	753.35	75.86
		For Gate With Single Barb Wire Arm, Add	57.82	
		For Gate With Double Barb Wire Arm, Add	84.10	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.56	
		For Aluminized Steel Gate And Post, Add	252.31	
		For Powder Coated Gate And Post, Add	136.67	
		For 1" Mesh Fabric, Add	228.65	
		For 1-1/4" Mesh Fabric, Add	147.18	
		For 1-3/4" Mesh Fabric, Add	91.46	
		For 2-1/8" Mesh Fabric, Deduct	-45.73	
32 31 13 13-0397	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	839.75	86.53
		For Gate With Single Barb Wire Arm, Add	63.80	
		For Gate With Double Barb Wire Arm, Add	92.79	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-108.74	
		For Aluminized Steel Gate And Post, Add	278.38	
		For Powder Coated Gate And Post, Add	150.79	
		For 1" Mesh Fabric, Add	252.28	
		For 1-1/4" Mesh Fabric, Add	162.39	
		For 1-3/4" Mesh Fabric, Add	100.91	
		For 2-1/8" Mesh Fabric, Deduct	-50.46	
32 31 13 13-0398	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	926.16	97.19
		For Gate With Single Barb Wire Arm, Add	69.77	
		For Gate With Double Barb Wire Arm, Add	101.48	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.93	
		For Aluminized Steel Gate And Post, Add	304.45	
		For Powder Coated Gate And Post, Add	164.91	
		For 1" Mesh Fabric, Add	275.91	
		For 1-1/4" Mesh Fabric, Add	177.60	
		For 1-3/4" Mesh Fabric, Add	110.36	
		For 2-1/8" Mesh Fabric, Deduct	-55.18	
32 31 13 13-0399	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,231.37	115.81
		For Gate With Single Barb Wire Arm, Add	97.21	
		For Gate With Double Barb Wire Arm, Add	141.39	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.70	
		For Aluminized Steel Gate And Post, Add	424.18	
		For Powder Coated Gate And Post, Add	229.76	
		For 1" Mesh Fabric, Add	384.41	
		For 1-1/4" Mesh Fabric, Add	247.44	
		For 1-3/4" Mesh Fabric, Add	153.77	
		For 2-1/8" Mesh Fabric, Deduct	-76.88	
32 31 13 13-0400	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,345.45	124.68
		For Gate With Single Barb Wire Arm, Add	106.84	
		For Gate With Double Barb Wire Arm, Add	155.40	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-182.11	
		For Aluminized Steel Gate And Post, Add	466.20	
		For Powder Coated Gate And Post, Add	252.53	
		For 1" Mesh Fabric, Add	422.50	
		For 1-1/4" Mesh Fabric, Add	271.95	
		For 1-3/4" Mesh Fabric, Add	169.00	
		For 2-1/8" Mesh Fabric, Deduct	-84.50	
32 31 13 13-0401	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,518.91	135.02
		For Gate With Single Barb Wire Arm, Add	122.46	
		For Gate With Double Barb Wire Arm, Add	178.13	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-208.75	
		For Aluminized Steel Gate And Post, Add	534.39	
		For Powder Coated Gate And Post, Add	289.46	
		For 1" Mesh Fabric, Add	484.29	
		For 1-1/4" Mesh Fabric, Add	311.73	
		For 1-3/4" Mesh Fabric, Add	193.72	
		For 2-1/8" Mesh Fabric, Deduct	-96.86	
32 31 13 13-0402	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,714.26	147.23
		For Gate With Single Barb Wire Arm, Add	139.91	
		For Gate With Double Barb Wire Arm, Add	203.50	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-238.48	
		For Aluminized Steel Gate And Post, Add	610.51	
		For Powder Coated Gate And Post, Add	330.69	
		For 1" Mesh Fabric, Add	553.27	
		For 1-1/4" Mesh Fabric, Add	356.13	
		For 1-3/4" Mesh Fabric, Add	221.31	
		For 2-1/8" Mesh Fabric, Deduct	-110.65	
32 31 13 13-0403	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,816.33	162.13
		For Gate With Single Barb Wire Arm, Add	586.28	
		For Gate With Double Barb Wire Arm, Add	852.78	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-999.35	
		For Aluminized Steel Gate And Post, Add	2,558.33	
		For Powder Coated Gate And Post, Add	1,385.76	
		For 1" Mesh Fabric, Add	2,318.48	
		For 1-1/4" Mesh Fabric, Add	1,492.36	
		For 1-3/4" Mesh Fabric, Add	927.39	
		For 2-1/8" Mesh Fabric, Deduct	-463.70	
32 31 13 13-0404	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,467.19	180.00
		For Gate With Single Barb Wire Arm, Add	651.95	
		For Gate With Double Barb Wire Arm, Add	948.29	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,111.28	
		For Aluminized Steel Gate And Post, Add	2,844.88	
		For Powder Coated Gate And Post, Add	1,540.98	
		For 1" Mesh Fabric, Add	2,578.18	
		For 1-1/4" Mesh Fabric, Add	1,659.52	
		For 1-3/4" Mesh Fabric, Add	1,031.27	
		For 2-1/8" Mesh Fabric, Deduct	-515.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0405	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	7,126.08	202.55
		For Gate With Single Barb Wire Arm, Add	.....	716.94	
		For Gate With Double Barb Wire Arm, Add	.....	1,042.83	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-1,222.07	
		For Aluminized Steel Gate And Post, Add	.....	3,128.49	
		For Powder Coated Gate And Post, Add	.....	1,694.60	
		For 1" Mesh Fabric, Add	.....	2,835.19	
		For 1-1/4" Mesh Fabric, Add	.....	1,824.95	
		For 1-3/4" Mesh Fabric, Add	.....	1,134.08	
		For 2-1/8" Mesh Fabric, Deduct	.....	-567.04	
32 31 13 13-0406	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	7,809.54	231.37
		For Gate With Single Barb Wire Arm, Add	.....	782.61	
		For Gate With Double Barb Wire Arm, Add	.....	1,138.35	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-1,334.00	
		For Aluminized Steel Gate And Post, Add	.....	3,415.04	
		For Powder Coated Gate And Post, Add	.....	1,849.81	
		For 1" Mesh Fabric, Add	.....	3,094.88	
		For 1-1/4" Mesh Fabric, Add	.....	1,992.11	
		For 1-3/4" Mesh Fabric, Add	.....	1,237.95	
		For 2-1/8" Mesh Fabric, Deduct	.....	-618.98	
32 31 13 13-0407	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	8,510.54	270.18
		For Gate With Single Barb Wire Arm, Add	.....	846.93	
		For Gate With Double Barb Wire Arm, Add	.....	1,231.90	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-1,443.63	
		For Aluminized Steel Gate And Post, Add	.....	3,695.69	
		For Powder Coated Gate And Post, Add	.....	2,001.83	
		For 1" Mesh Fabric, Add	.....	3,349.22	
		For 1-1/4" Mesh Fabric, Add	.....	2,155.82	
		For 1-3/4" Mesh Fabric, Add	.....	1,339.69	
		For 2-1/8" Mesh Fabric, Deduct	.....	-669.84	
32 31 13 13-0408	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	9,262.76	323.89
		For Gate With Single Barb Wire Arm, Add	.....	911.92	
		For Gate With Double Barb Wire Arm, Add	.....	1,326.43	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-1,554.41	
		For Aluminized Steel Gate And Post, Add	.....	3,979.29	
		For Powder Coated Gate And Post, Add	.....	2,155.45	
		For 1" Mesh Fabric, Add	.....	3,606.23	
		For 1-1/4" Mesh Fabric, Add	.....	2,321.25	
		For 1-3/4" Mesh Fabric, Add	.....	1,442.49	
		For 2-1/8" Mesh Fabric, Deduct	.....	-721.25	
32 31 13 13-0409	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	.....	10,103.97	405.20
		For Gate With Single Barb Wire Arm, Add	.....	977.59	
		For Gate With Double Barb Wire Arm, Add	.....	1,421.95	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-1,666.35	
		For Aluminized Steel Gate And Post, Add	.....	4,265.85	
		For Powder Coated Gate And Post, Add	.....	2,310.67	
		For 1" Mesh Fabric, Add	.....	3,865.92	
		For 1-1/4" Mesh Fabric, Add	.....	2,488.41	
		For 1-3/4" Mesh Fabric, Add	.....	1,546.37	
		For 2-1/8" Mesh Fabric, Deduct	.....	-773.18	
32 31 13 13-0410	Vinyl Coated Without Barb Wire Arm (32 31 13 13-0268)				
	Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.				
32 31 13 13-0411	4' Fence Height (32 31 13 13-0410)				
32 31 13 13-0412	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	.....	187.84	25.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-20.67	
		For 1" Mesh Fabric, Add	.....	47.95	
		For 1-1/4" Mesh Fabric, Add	.....	30.86	
		For 1-3/4" Mesh Fabric, Add	.....	19.18	
		For 2-1/8" Mesh Fabric, Deduct	.....	-9.59	
		For Gate With Single Barb Wire Arm, Add	.....	12.12	
		For Gate With Double Barb Wire Arm, Add	.....	17.64	
32 31 13 13-0413	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	.....	224.58	25.88
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-27.56	
		For 1" Mesh Fabric, Add	.....	63.93	
		For 1-1/4" Mesh Fabric, Add	.....	41.15	
		For 1-3/4" Mesh Fabric, Add	.....	25.57	
		For 2-1/8" Mesh Fabric, Deduct	.....	-12.79	
		For Gate With Single Barb Wire Arm, Add	.....	16.17	
		For Gate With Double Barb Wire Arm, Add	.....	23.51	
32 31 13 13-0414	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	.....	260.39	27.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-33.30	
		For 1" Mesh Fabric, Add	.....	77.25	
		For 1-1/4" Mesh Fabric, Add	.....	49.72	
		For 1-3/4" Mesh Fabric, Add	.....	30.90	
		For 2-1/8" Mesh Fabric, Deduct	.....	-15.45	
		For Gate With Single Barb Wire Arm, Add	.....	19.53	
		For Gate With Double Barb Wire Arm, Add	.....	28.41	
32 31 13 13-0415	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	.....	307.56	33.12
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-39.04	
		For 1" Mesh Fabric, Add	.....	90.57	
		For 1-1/4" Mesh Fabric, Add	.....	58.30	
		For 1-3/4" Mesh Fabric, Add	.....	36.23	
		For 2-1/8" Mesh Fabric, Deduct	.....	-18.11	
		For Gate With Single Barb Wire Arm, Add	.....	22.90	
		For Gate With Double Barb Wire Arm, Add	.....	33.31	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0416	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	354.73	38.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-44.78	
		For 1" Mesh Fabric, Add	103.88	
		For 1-1/4" Mesh Fabric, Add	66.87	
		For 1-3/4" Mesh Fabric, Add	41.55	
		For 2-1/8" Mesh Fabric, Deduct	-20.78	
		For Gate With Single Barb Wire Arm, Add	26.27	
		For Gate With Double Barb Wire Arm, Add	38.21	
32 31 13 13-0417	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	401.92	44.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.52	
		For 1" Mesh Fabric, Add	117.21	
		For 1-1/4" Mesh Fabric, Add	75.44	
		For 1-3/4" Mesh Fabric, Add	46.88	
		For 2-1/8" Mesh Fabric, Deduct	-23.44	
		For Gate With Single Barb Wire Arm, Add	29.64	
		For Gate With Double Barb Wire Arm, Add	43.11	
32 31 13 13-0418	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	449.09	49.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.26	
		For 1" Mesh Fabric, Add	130.52	
		For 1-1/4" Mesh Fabric, Add	84.01	
		For 1-3/4" Mesh Fabric, Add	52.21	
		For 2-1/8" Mesh Fabric, Deduct	-26.10	
		For Gate With Single Barb Wire Arm, Add	33.01	
		For Gate With Double Barb Wire Arm, Add	48.01	
32 31 13 13-0419	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	496.26	55.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.00	
		For 1" Mesh Fabric, Add	143.84	
		For 1-1/4" Mesh Fabric, Add	92.58	
		For 1-3/4" Mesh Fabric, Add	57.53	
		For 2-1/8" Mesh Fabric, Deduct	-28.77	
		For Gate With Single Barb Wire Arm, Add	36.37	
		For Gate With Double Barb Wire Arm, Add	52.91	
32 31 13 13-0420	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	606.49	55.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.67	
		For 1" Mesh Fabric, Add	191.79	
		For 1-1/4" Mesh Fabric, Add	123.45	
		For 1-3/4" Mesh Fabric, Add	76.71	
		For 2-1/8" Mesh Fabric, Deduct	-38.36	
		For Gate With Single Barb Wire Arm, Add	48.50	
		For Gate With Double Barb Wire Arm, Add	70.54	
32 31 13 13-0421	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	706.49	59.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.20	
		For 1" Mesh Fabric, Add	230.14	
		For 1-1/4" Mesh Fabric, Add	148.14	
		For 1-3/4" Mesh Fabric, Add	92.06	
		For 2-1/8" Mesh Fabric, Deduct	-46.03	
		For Gate With Single Barb Wire Arm, Add	58.20	
		For Gate With Double Barb Wire Arm, Add	84.65	
32 31 13 13-0422	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	808.33	63.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-115.73	
		For 1" Mesh Fabric, Add	268.50	
		For 1-1/4" Mesh Fabric, Add	172.83	
		For 1-3/4" Mesh Fabric, Add	107.40	
		For 2-1/8" Mesh Fabric, Deduct	-53.70	
		For Gate With Single Barb Wire Arm, Add	67.90	
		For Gate With Double Barb Wire Arm, Add	98.76	
32 31 13 13-0423	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	912.42	68.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.27	
		For 1" Mesh Fabric, Add	306.86	
		For 1-1/4" Mesh Fabric, Add	197.52	
		For 1-3/4" Mesh Fabric, Add	122.74	
		For 2-1/8" Mesh Fabric, Deduct	-61.37	
		For Gate With Single Barb Wire Arm, Add	77.60	
		For Gate With Double Barb Wire Arm, Add	112.87	
32 31 13 13-0424	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,056.42	87.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-148.80	
		For 1" Mesh Fabric, Add	345.22	
		For 1-1/4" Mesh Fabric, Add	222.21	
		For 1-3/4" Mesh Fabric, Add	138.09	
		For 2-1/8" Mesh Fabric, Deduct	-69.04	
		For Gate With Single Barb Wire Arm, Add	87.30	
		For Gate With Double Barb Wire Arm, Add	126.98	
32 31 13 13-0425	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,163.37	93.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.33	
		For 1" Mesh Fabric, Add	383.57	
		For 1-1/4" Mesh Fabric, Add	246.90	
		For 1-3/4" Mesh Fabric, Add	153.43	
		For 2-1/8" Mesh Fabric, Deduct	-76.71	
		For Gate With Single Barb Wire Arm, Add	96.99	
		For Gate With Double Barb Wire Arm, Add	141.08	
32 31 13 13-0426	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,273.21	101.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-181.87	
		For 1" Mesh Fabric, Add	421.93	
		For 1-1/4" Mesh Fabric, Add	271.59	
		For 1-3/4" Mesh Fabric, Add	168.77	
		For 2-1/8" Mesh Fabric, Deduct	-84.39	
		For Gate With Single Barb Wire Arm, Add	106.69	
		For Gate With Double Barb Wire Arm, Add	155.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0427	EA	24'	Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,386.67 -198.40 460.29 296.28 184.11 -92.06 116.39 169.30	109.40
32 31 13 13-0428	EA	26'	Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,504.71 -214.93 498.64 320.97 199.46 -99.73 126.09 183.41	119.38
32 31 13 13-0429	EA	28'	Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,628.72 -231.47 537.00 345.65 214.80 -107.40 135.79 197.52	131.33
32 31 13 13-0430	EA	30'	Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,760.71 -248.00 575.36 370.34 230.14 -115.07 145.49 211.63	145.87
32 31 13 13-0431 5' Fence Height (32 31 13 13-0410)					
32 31 13 13-0432	EA	3'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	219.39 -25.61 59.41 38.24 23.76 -11.88 15.02 21.85	27.53
32 31 13 13-0433	EA	4'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	264.92 -34.15 79.22 50.99 31.69 -15.84 20.03 29.14	27.53
32 31 13 13-0434	EA	5'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	304.24 -40.55 94.07 60.55 37.63 -18.81 23.79 34.60	29.29
32 31 13 13-0435	EA	6'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	355.97 -46.95 108.92 70.11 43.57 -21.78 27.54 40.06	35.19
32 31 13 13-0436	EA	7'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	407.72 -53.35 123.78 79.67 49.51 -24.76 31.30 45.53	40.99
32 31 13 13-0437	EA	8'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	460.49 -59.75 138.63 89.23 55.45 -27.73 35.06 50.99	47.20
32 31 13 13-0438	EA	9'	Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	512.23 -66.16 153.49 98.80 61.39 -30.70 38.81 56.45	53.09

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 31 13 13-0439	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	563.97	58.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.56	
		For 1" Mesh Fabric, Add	168.34	
		For 1-1/4" Mesh Fabric, Add	108.35	
		For 1-3/4" Mesh Fabric, Add	67.33	
		For 2-1/8" Mesh Fabric, Deduct	-33.67	
		For Gate With Single Barb Wire Arm, Add	42.57	
		For Gate With Double Barb Wire Arm, Add	61.92	
32 31 13 13-0440	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	723.75	59.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-102.44	
		For 1" Mesh Fabric, Add	237.65	
		For 1-1/4" Mesh Fabric, Add	152.97	
		For 1-3/4" Mesh Fabric, Add	95.06	
		For 2-1/8" Mesh Fabric, Deduct	-47.53	
		For Gate With Single Barb Wire Arm, Add	60.10	
		For Gate With Double Barb Wire Arm, Add	87.41	
32 31 13 13-0441	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	846.67	63.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.92	
		For 1" Mesh Fabric, Add	285.18	
		For 1-1/4" Mesh Fabric, Add	183.56	
		For 1-3/4" Mesh Fabric, Add	114.07	
		For 2-1/8" Mesh Fabric, Deduct	-57.04	
		For Gate With Single Barb Wire Arm, Add	72.11	
		For Gate With Double Barb Wire Arm, Add	104.89	
32 31 13 13-0442	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	971.84	68.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.41	
		For 1" Mesh Fabric, Add	332.71	
		For 1-1/4" Mesh Fabric, Add	214.16	
		For 1-3/4" Mesh Fabric, Add	133.08	
		For 2-1/8" Mesh Fabric, Deduct	-66.54	
		For Gate With Single Barb Wire Arm, Add	84.13	
		For Gate With Double Barb Wire Arm, Add	122.37	
32 31 13 13-0443	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,136.93	87.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-163.90	
		For 1" Mesh Fabric, Add	380.24	
		For 1-1/4" Mesh Fabric, Add	244.75	
		For 1-3/4" Mesh Fabric, Add	152.10	
		For 2-1/8" Mesh Fabric, Deduct	-76.05	
		For Gate With Single Barb Wire Arm, Add	96.15	
		For Gate With Double Barb Wire Arm, Add	139.86	
32 31 13 13-0444	EA	18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,264.97	93.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-184.38	
		For 1" Mesh Fabric, Add	427.77	
		For 1-1/4" Mesh Fabric, Add	275.34	
		For 1-3/4" Mesh Fabric, Add	171.11	
		For 2-1/8" Mesh Fabric, Deduct	-85.55	
		For Gate With Single Barb Wire Arm, Add	108.17	
		For Gate With Double Barb Wire Arm, Add	157.34	
32 31 13 13-0445	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,395.90	101.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-204.87	
		For 1" Mesh Fabric, Add	475.30	
		For 1-1/4" Mesh Fabric, Add	305.94	
		For 1-3/4" Mesh Fabric, Add	190.12	
		For 2-1/8" Mesh Fabric, Deduct	-95.06	
		For Gate With Single Barb Wire Arm, Add	120.19	
		For Gate With Double Barb Wire Arm, Add	174.82	
32 31 13 13-0446	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,530.44	109.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-225.36	
		For 1" Mesh Fabric, Add	522.83	
		For 1-1/4" Mesh Fabric, Add	336.53	
		For 1-3/4" Mesh Fabric, Add	209.13	
		For 2-1/8" Mesh Fabric, Deduct	-104.57	
		For Gate With Single Barb Wire Arm, Add	132.21	
		For Gate With Double Barb Wire Arm, Add	192.30	
32 31 13 13-0447	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,669.56	119.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-245.84	
		For 1" Mesh Fabric, Add	570.35	
		For 1-1/4" Mesh Fabric, Add	367.12	
		For 1-3/4" Mesh Fabric, Add	228.14	
		For 2-1/8" Mesh Fabric, Deduct	-114.07	
		For Gate With Single Barb Wire Arm, Add	144.23	
		For Gate With Double Barb Wire Arm, Add	209.79	
32 31 13 13-0448	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,814.67	131.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-266.33	
		For 1" Mesh Fabric, Add	617.89	
		For 1-1/4" Mesh Fabric, Add	397.72	
		For 1-3/4" Mesh Fabric, Add	247.15	
		For 2-1/8" Mesh Fabric, Deduct	-123.58	
		For Gate With Single Barb Wire Arm, Add	156.25	
		For Gate With Double Barb Wire Arm, Add	227.27	
32 31 13 13-0449	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,967.74	145.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-286.82	
		For 1" Mesh Fabric, Add	665.42	
		For 1-1/4" Mesh Fabric, Add	428.31	
		For 1-3/4" Mesh Fabric, Add	266.17	
		For 2-1/8" Mesh Fabric, Deduct	-133.08	
		For Gate With Single Barb Wire Arm, Add	168.27	
		For Gate With Double Barb Wire Arm, Add	244.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0450	EA	30'	Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,131.75 -307.30 712.94 458.91 285.18 -142.59 180.28 262.23	164.10
32 31 13 13-0451 6' Fence Height (32 31 13 13-0410)					
32 31 13 13-0452	EA	3'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	234.68 -27.37 63.49 40.87 25.40 -12.70 16.06 23.35	29.50
32 31 13 13-0453	EA	4'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	283.34 -36.49 84.66 54.49 33.86 -16.93 21.41 31.14	29.50
32 31 13 13-0454	EA	5'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	325.29 -43.33 100.53 64.71 40.21 -20.11 25.42 36.98	31.36
32 31 13 13-0455	EA	6'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	381.46 -50.18 116.41 74.93 46.56 -23.28 29.44 42.82	37.88
32 31 13 13-0456	EA	7'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	437.62 -57.02 132.28 85.15 52.91 -26.46 33.45 48.66	44.51
32 31 13 13-0457	EA	8'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	492.73 -63.86 148.16 95.37 59.26 -29.63 37.46 54.49	50.71
32 31 13 13-0458	EA	9'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	548.90 -70.70 164.03 105.58 65.61 -32.81 41.48 60.33	57.24
32 31 13 13-0459	EA	10'	Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	605.05 -77.54 179.90 115.80 71.96 -35.98 45.49 66.17	63.76
32 31 13 13-0460	EA	10'	Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	774.95 -109.47 253.98 163.48 101.59 -50.80 64.22 93.42	63.66
32 31 13 13-0461	EA	12'	Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	907.63 -131.37 304.77 196.18 121.91 -60.95 77.07 112.10	68.93

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 31 13 13-0462	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,099.00	93.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.26	
		For 1" Mesh Fabric, Add	355.57	
		For 1-1/4" Mesh Fabric, Add	228.87	
		For 1-3/4" Mesh Fabric, Add	142.23	
		For 2-1/8" Mesh Fabric, Deduct	-71.11	
		For Gate With Single Barb Wire Arm, Add	89.91	
		For Gate With Double Barb Wire Arm, Add	130.78	
32 31 13 13-0463	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,237.43	101.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-175.16	
		For 1" Mesh Fabric, Add	406.36	
		For 1-1/4" Mesh Fabric, Add	261.57	
		For 1-3/4" Mesh Fabric, Add	162.55	
		For 2-1/8" Mesh Fabric, Deduct	-81.27	
		For Gate With Single Barb Wire Arm, Add	102.76	
		For Gate With Double Barb Wire Arm, Add	149.47	
32 31 13 13-0464	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,379.48	109.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.05	
		For 1" Mesh Fabric, Add	457.16	
		For 1-1/4" Mesh Fabric, Add	294.26	
		For 1-3/4" Mesh Fabric, Add	182.86	
		For 2-1/8" Mesh Fabric, Deduct	-91.43	
		For Gate With Single Barb Wire Arm, Add	115.60	
		For Gate With Double Barb Wire Arm, Add	168.15	
32 31 13 13-0465	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,547.70	119.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.99	
		For 1" Mesh Fabric, Add	517.35	
		For 1-1/4" Mesh Fabric, Add	333.00	
		For 1-3/4" Mesh Fabric, Add	206.94	
		For 2-1/8" Mesh Fabric, Deduct	-103.47	
		For Gate With Single Barb Wire Arm, Add	130.82	
		For Gate With Double Barb Wire Arm, Add	190.29	
32 31 13 13-0466	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,682.64	131.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-241.58	
		For 1" Mesh Fabric, Add	560.45	
		For 1-1/4" Mesh Fabric, Add	360.75	
		For 1-3/4" Mesh Fabric, Add	224.18	
		For 2-1/8" Mesh Fabric, Deduct	-112.09	
		For Gate With Single Barb Wire Arm, Add	141.72	
		For Gate With Double Barb Wire Arm, Add	206.14	
32 31 13 13-0467	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,839.31	145.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-262.74	
		For 1" Mesh Fabric, Add	609.55	
		For 1-1/4" Mesh Fabric, Add	392.35	
		For 1-3/4" Mesh Fabric, Add	243.82	
		For 2-1/8" Mesh Fabric, Deduct	-121.91	
		For Gate With Single Barb Wire Arm, Add	154.14	
		For Gate With Double Barb Wire Arm, Add	224.20	
32 31 13 13-0468	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,010.83	164.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-284.63	
		For 1" Mesh Fabric, Add	660.34	
		For 1-1/4" Mesh Fabric, Add	425.05	
		For 1-3/4" Mesh Fabric, Add	264.14	
		For 2-1/8" Mesh Fabric, Deduct	-132.07	
		For Gate With Single Barb Wire Arm, Add	166.98	
		For Gate With Double Barb Wire Arm, Add	242.88	
32 31 13 13-0469	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,198.00	187.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-306.53	
		For 1" Mesh Fabric, Add	711.14	
		For 1-1/4" Mesh Fabric, Add	457.74	
		For 1-3/4" Mesh Fabric, Add	284.46	
		For 2-1/8" Mesh Fabric, Deduct	-142.23	
		For Gate With Single Barb Wire Arm, Add	179.83	
		For Gate With Double Barb Wire Arm, Add	261.57	
32 31 13 13-0470	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,408.64	218.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-328.42	
		For 1" Mesh Fabric, Add	761.93	
		For 1-1/4" Mesh Fabric, Add	490.44	
		For 1-3/4" Mesh Fabric, Add	304.77	
		For 2-1/8" Mesh Fabric, Deduct	-152.39	
		For Gate With Single Barb Wire Arm, Add	192.67	
		For Gate With Double Barb Wire Arm, Add	280.25	

32 31 13 13-0471 7' Fence Height (32 31 13 13-0410)

32 31 13 13-0472	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	248.85	31.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-28.75	
		For 1" Mesh Fabric, Add	66.69	
		For 1-1/4" Mesh Fabric, Add	42.93	
		For 1-3/4" Mesh Fabric, Add	26.68	
		For 2-1/8" Mesh Fabric, Deduct	-13.34	
		For Gate With Single Barb Wire Arm, Add	16.86	
		For Gate With Double Barb Wire Arm, Add	24.53	
32 31 13 13-0473	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	299.96	31.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.33	
		For 1" Mesh Fabric, Add	88.92	
		For 1-1/4" Mesh Fabric, Add	57.24	
		For 1-3/4" Mesh Fabric, Add	35.57	
		For 2-1/8" Mesh Fabric, Deduct	-17.78	
		For Gate With Single Barb Wire Arm, Add	22.49	
		For Gate With Double Barb Wire Arm, Add	32.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0474	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	343.15	33.43	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.52		
		For 1" Mesh Fabric, Add	105.60		
		For 1-1/4" Mesh Fabric, Add	67.97		
		For 1-3/4" Mesh Fabric, Add	42.24		
		For 2-1/8" Mesh Fabric, Deduct	-21.12		
		For Gate With Single Barb Wire Arm, Add	26.70		
		For Gate With Double Barb Wire Arm, Add	38.84		
32 31 13 13-0475	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	403.21	40.67	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-52.70		
		For 1" Mesh Fabric, Add	122.27		
		For 1-1/4" Mesh Fabric, Add	78.70		
		For 1-3/4" Mesh Fabric, Add	48.91		
		For 2-1/8" Mesh Fabric, Deduct	-24.45		
		For Gate With Single Barb Wire Arm, Add	30.92		
		For Gate With Double Barb Wire Arm, Add	44.97		
32 31 13 13-0476	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	462.25	47.61	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.89		
		For 1" Mesh Fabric, Add	138.95		
		For 1-1/4" Mesh Fabric, Add	89.44		
		For 1-3/4" Mesh Fabric, Add	55.58		
		For 2-1/8" Mesh Fabric, Deduct	-27.79		
		For Gate With Single Barb Wire Arm, Add	35.14		
		For Gate With Double Barb Wire Arm, Add	51.11		
32 31 13 13-0477	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	522.32	54.75	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.08		
		For 1" Mesh Fabric, Add	155.62		
		For 1-1/4" Mesh Fabric, Add	100.17		
		For 1-3/4" Mesh Fabric, Add	62.25		
		For 2-1/8" Mesh Fabric, Deduct	-31.12		
		For Gate With Single Barb Wire Arm, Add	39.35		
		For Gate With Double Barb Wire Arm, Add	57.24		
32 31 13 13-0478	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	581.33	61.68	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.26		
		For 1" Mesh Fabric, Add	172.29		
		For 1-1/4" Mesh Fabric, Add	110.90		
		For 1-3/4" Mesh Fabric, Add	68.92		
		For 2-1/8" Mesh Fabric, Deduct	-34.46		
		For Gate With Single Barb Wire Arm, Add	43.57		
		For Gate With Double Barb Wire Arm, Add	63.37		
32 31 13 13-0479	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	641.41	68.93	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-81.45		
		For 1" Mesh Fabric, Add	188.97		
		For 1-1/4" Mesh Fabric, Add	121.63		
		For 1-3/4" Mesh Fabric, Add	75.59		
		For 2-1/8" Mesh Fabric, Deduct	-37.79		
		For Gate With Single Barb Wire Arm, Add	47.79		
		For Gate With Double Barb Wire Arm, Add	69.51		
32 31 13 13-0480	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	820.27	68.93	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.99		
		For 1" Mesh Fabric, Add	266.77		
		For 1-1/4" Mesh Fabric, Add	171.72		
		For 1-3/4" Mesh Fabric, Add	106.71		
		For 2-1/8" Mesh Fabric, Deduct	-53.35		
		For Gate With Single Barb Wire Arm, Add	67.46		
		For Gate With Double Barb Wire Arm, Add	98.12		
32 31 13 13-0481	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,017.51	93.75	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-137.98		
		For 1" Mesh Fabric, Add	320.12		
		For 1-1/4" Mesh Fabric, Add	206.05		
		For 1-3/4" Mesh Fabric, Add	128.05		
		For 2-1/8" Mesh Fabric, Deduct	-64.02		
		For Gate With Single Barb Wire Arm, Add	80.95		
		For Gate With Double Barb Wire Arm, Add	117.75		
32 31 13 13-0482	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,161.84	101.02	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-160.98		
		For 1" Mesh Fabric, Add	373.48		
		For 1-1/4" Mesh Fabric, Add	240.40		
		For 1-3/4" Mesh Fabric, Add	149.39		
		For 2-1/8" Mesh Fabric, Deduct	-74.70		
		For Gate With Single Barb Wire Arm, Add	94.44		
		For Gate With Double Barb Wire Arm, Add	137.37		
32 31 13 13-0483	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,309.75	109.40	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-183.98		
		For 1" Mesh Fabric, Add	426.83		
		For 1-1/4" Mesh Fabric, Add	274.74		
		For 1-3/4" Mesh Fabric, Add	170.73		
		For 2-1/8" Mesh Fabric, Deduct	-85.37		
		For Gate With Single Barb Wire Arm, Add	107.93		
		For Gate With Double Barb Wire Arm, Add	156.99		
32 31 13 13-0484	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,462.28	119.38	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-206.98		
		For 1" Mesh Fabric, Add	480.19		
		For 1-1/4" Mesh Fabric, Add	309.09		
		For 1-3/4" Mesh Fabric, Add	192.08		
		For 2-1/8" Mesh Fabric, Deduct	-96.04		
		For Gate With Single Barb Wire Arm, Add	121.43		
		For Gate With Double Barb Wire Arm, Add	176.62		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 13 13-0485	EA 20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,620.75		131.33
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-229.97		
	For 1" Mesh Fabric, Add	533.53		
	For 1-1/4" Mesh Fabric, Add	343.42		
	For 1-3/4" Mesh Fabric, Add	213.41		
	For 2-1/8" Mesh Fabric, Deduct	-106.71		
	For Gate With Single Barb Wire Arm, Add	134.92		
	For Gate With Double Barb Wire Arm, Add	196.24		
32 31 13 13-0486	EA 22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,787.20		145.87
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-252.97		
	For 1" Mesh Fabric, Add	586.88		
	For 1-1/4" Mesh Fabric, Add	377.76		
	For 1-3/4" Mesh Fabric, Add	234.75		
	For 2-1/8" Mesh Fabric, Deduct	-117.38		
	For Gate With Single Barb Wire Arm, Add	148.41		
	For Gate With Double Barb Wire Arm, Add	215.86		
32 31 13 13-0487	EA 24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,964.62		164.10
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-275.97		
	For 1" Mesh Fabric, Add	640.24		
	For 1-1/4" Mesh Fabric, Add	412.11		
	For 1-3/4" Mesh Fabric, Add	256.10		
	For 2-1/8" Mesh Fabric, Deduct	-128.05		
	For Gate With Single Barb Wire Arm, Add	161.90		
	For Gate With Double Barb Wire Arm, Add	235.49		
32 31 13 13-0488	EA 26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,157.68		187.51
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-298.97		
	For 1" Mesh Fabric, Add	693.60		
	For 1-1/4" Mesh Fabric, Add	446.45		
	For 1-3/4" Mesh Fabric, Add	277.44		
	For 2-1/8" Mesh Fabric, Deduct	-138.72		
	For Gate With Single Barb Wire Arm, Add	175.39		
	For Gate With Double Barb Wire Arm, Add	255.12		
32 31 13 13-0489	EA 28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,374.19		218.81
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-321.96		
	For 1" Mesh Fabric, Add	746.95		
	For 1-1/4" Mesh Fabric, Add	480.79		
	For 1-3/4" Mesh Fabric, Add	298.78		
	For 2-1/8" Mesh Fabric, Deduct	-149.39		
	For Gate With Single Barb Wire Arm, Add	188.88		
	For Gate With Double Barb Wire Arm, Add	274.74		
32 31 13 13-0490	EA 30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,628.27		262.54
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-344.96		
	For 1" Mesh Fabric, Add	800.31		
	For 1-1/4" Mesh Fabric, Add	515.14		
	For 1-3/4" Mesh Fabric, Add	320.12		
	For 2-1/8" Mesh Fabric, Deduct	-160.06		
	For Gate With Single Barb Wire Arm, Add	202.38		
	For Gate With Double Barb Wire Arm, Add	294.37		
32 31 13 13-0491	8' Fence Height (32 31 13 13-0410)			
32 31 13 13-0492	EA 3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	289.32		34.47
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.84		
	For 1" Mesh Fabric, Add	80.83		
	For 1-1/4" Mesh Fabric, Add	52.03		
	For 1-3/4" Mesh Fabric, Add	32.33		
	For 2-1/8" Mesh Fabric, Deduct	-16.17		
	For Gate With Single Barb Wire Arm, Add	20.44		
	For Gate With Double Barb Wire Arm, Add	29.73		
32 31 13 13-0493	EA 4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	351.27		34.47
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.46		
	For 1" Mesh Fabric, Add	107.78		
	For 1-1/4" Mesh Fabric, Add	69.38		
	For 1-3/4" Mesh Fabric, Add	43.11		
	For 2-1/8" Mesh Fabric, Deduct	-21.56		
	For Gate With Single Barb Wire Arm, Add	27.25		
	For Gate With Double Barb Wire Arm, Add	39.64		
32 31 13 13-0494	EA 5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	392.56		34.47
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.20		
	For 1" Mesh Fabric, Add	125.74		
	For 1-1/4" Mesh Fabric, Add	80.94		
	For 1-3/4" Mesh Fabric, Add	50.30		
	For 2-1/8" Mesh Fabric, Deduct	-25.15		
	For Gate With Single Barb Wire Arm, Add	31.80		
	For Gate With Double Barb Wire Arm, Add	46.25		
32 31 13 13-0495	EA 6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	460.77		43.47
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.94		
	For 1" Mesh Fabric, Add	143.71		
	For 1-1/4" Mesh Fabric, Add	92.50		
	For 1-3/4" Mesh Fabric, Add	57.48		
	For 2-1/8" Mesh Fabric, Deduct	-28.74		
	For Gate With Single Barb Wire Arm, Add	36.34		
	For Gate With Double Barb Wire Arm, Add	52.86		
32 31 13 13-0496	EA 7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	528.98		52.37
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.69		
	For 1" Mesh Fabric, Add	161.67		
	For 1-1/4" Mesh Fabric, Add	104.06		
	For 1-3/4" Mesh Fabric, Add	64.67		
	For 2-1/8" Mesh Fabric, Deduct	-32.33		
	For Gate With Single Barb Wire Arm, Add	40.88		
	For Gate With Double Barb Wire Arm, Add	59.47		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0497	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	596.15	60.97	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.43		
		For 1" Mesh Fabric, Add	179.63		
		For 1-1/4" Mesh Fabric, Add	115.63		
		For 1-3/4" Mesh Fabric, Add	71.85		
		For 2-1/8" Mesh Fabric, Deduct	-35.93		
		For Gate With Single Barb Wire Arm, Add	45.42		
		For Gate With Double Barb Wire Arm, Add	66.07		
32 31 13 13-0498	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	664.35	69.96	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.17		
		For 1" Mesh Fabric, Add	197.59		
		For 1-1/4" Mesh Fabric, Add	127.19		
		For 1-3/4" Mesh Fabric, Add	79.04		
		For 2-1/8" Mesh Fabric, Deduct	-39.52		
		For Gate With Single Barb Wire Arm, Add	49.97		
		For Gate With Double Barb Wire Arm, Add	72.68		
32 31 13 13-0499	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	732.55	78.97	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-92.91		
		For 1" Mesh Fabric, Add	215.56		
		For 1-1/4" Mesh Fabric, Add	138.75		
		For 1-3/4" Mesh Fabric, Add	86.22		
		For 2-1/8" Mesh Fabric, Deduct	-43.11		
		For Gate With Single Barb Wire Arm, Add	54.51		
		For Gate With Double Barb Wire Arm, Add	79.29		
32 31 13 13-0500	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,024.90	93.75	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.37		
		For 1" Mesh Fabric, Add	323.34		
		For 1-1/4" Mesh Fabric, Add	208.12		
		For 1-3/4" Mesh Fabric, Add	129.33		
		For 2-1/8" Mesh Fabric, Deduct	-64.67		
		For Gate With Single Barb Wire Arm, Add	81.76		
		For Gate With Double Barb Wire Arm, Add	118.93		
32 31 13 13-0501	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,195.22	101.02	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-167.24		
		For 1" Mesh Fabric, Add	388.00		
		For 1-1/4" Mesh Fabric, Add	249.75		
		For 1-3/4" Mesh Fabric, Add	155.20		
		For 2-1/8" Mesh Fabric, Deduct	-77.60		
		For Gate With Single Barb Wire Arm, Add	98.12		
		For Gate With Double Barb Wire Arm, Add	142.71		
32 31 13 13-0502	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,369.16	109.40	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-195.12		
		For 1" Mesh Fabric, Add	452.67		
		For 1-1/4" Mesh Fabric, Add	291.37		
		For 1-3/4" Mesh Fabric, Add	181.07		
		For 2-1/8" Mesh Fabric, Deduct	-90.53		
		For Gate With Single Barb Wire Arm, Add	114.47		
		For Gate With Double Barb Wire Arm, Add	166.50		
32 31 13 13-0503	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,547.68	119.38	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.99		
		For 1" Mesh Fabric, Add	517.34		
		For 1-1/4" Mesh Fabric, Add	333.00		
		For 1-3/4" Mesh Fabric, Add	206.93		
		For 2-1/8" Mesh Fabric, Deduct	-103.47		
		For Gate With Single Barb Wire Arm, Add	130.82		
		For Gate With Double Barb Wire Arm, Add	190.28		
32 31 13 13-0504	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,732.18	131.33	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-250.86		
		For 1" Mesh Fabric, Add	582.00		
		For 1-1/4" Mesh Fabric, Add	374.62		
		For 1-3/4" Mesh Fabric, Add	232.80		
		For 2-1/8" Mesh Fabric, Deduct	-116.40		
		For Gate With Single Barb Wire Arm, Add	147.17		
		For Gate With Double Barb Wire Arm, Add	214.07		
32 31 13 13-0505	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,924.65	145.87	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-278.74		
		For 1" Mesh Fabric, Add	646.67		
		For 1-1/4" Mesh Fabric, Add	416.25		
		For 1-3/4" Mesh Fabric, Add	258.67		
		For 2-1/8" Mesh Fabric, Deduct	-129.33		
		For Gate With Single Barb Wire Arm, Add	163.53		
		For Gate With Double Barb Wire Arm, Add	237.86		
32 31 13 13-0506	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,128.06	164.10	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-306.61		
		For 1" Mesh Fabric, Add	711.34		
		For 1-1/4" Mesh Fabric, Add	457.87		
		For 1-3/4" Mesh Fabric, Add	284.54		
		For 2-1/8" Mesh Fabric, Deduct	-142.27		
		For Gate With Single Barb Wire Arm, Add	179.88		
		For Gate With Double Barb Wire Arm, Add	261.64		
32 31 13 13-0507	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,347.12	187.51	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-334.49		
		For 1" Mesh Fabric, Add	776.01		
		For 1-1/4" Mesh Fabric, Add	499.50		
		For 1-3/4" Mesh Fabric, Add	310.40		
		For 2-1/8" Mesh Fabric, Deduct	-155.20		
		For Gate With Single Barb Wire Arm, Add	196.23		
		For Gate With Double Barb Wire Arm, Add	285.43		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0508	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,589.65	218.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-362.36	
		For 1" Mesh Fabric, Add	840.67	
		For 1-1/4" Mesh Fabric, Add	541.12	
		For 1-3/4" Mesh Fabric, Add	336.27	
		For 2-1/8" Mesh Fabric, Deduct	-168.13	
		For Gate With Single Barb Wire Arm, Add	212.58	
		For Gate With Double Barb Wire Arm, Add	309.21	
32 31 13 13-0509	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,869.72	262.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-390.23	
		For 1" Mesh Fabric, Add	905.34	
		For 1-1/4" Mesh Fabric, Add	582.75	
		For 1-3/4" Mesh Fabric, Add	362.14	
		For 2-1/8" Mesh Fabric, Deduct	-181.07	
		For Gate With Single Barb Wire Arm, Add	228.94	
		For Gate With Double Barb Wire Arm, Add	333.00	
32 31 13 13-0510	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,215.51	328.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-418.11	
		For 1" Mesh Fabric, Add	970.01	
		For 1-1/4" Mesh Fabric, Add	624.37	
		For 1-3/4" Mesh Fabric, Add	388.00	
		For 2-1/8" Mesh Fabric, Deduct	-194.00	
		For Gate With Single Barb Wire Arm, Add	245.29	
		For Gate With Double Barb Wire Arm, Add	356.78	
32 31 13 13-0511 10' Fence Height (32 31 13 13-0410)				
32 31 13 13-0512	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	330.56	38.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-40.42	
		For 1" Mesh Fabric, Add	93.77	
		For 1-1/4" Mesh Fabric, Add	60.36	
		For 1-3/4" Mesh Fabric, Add	37.51	
		For 2-1/8" Mesh Fabric, Deduct	-18.75	
		For Gate With Single Barb Wire Arm, Add	23.71	
		For Gate With Double Barb Wire Arm, Add	34.49	
32 31 13 13-0513	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	402.42	38.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.89	
		For 1" Mesh Fabric, Add	125.03	
		For 1-1/4" Mesh Fabric, Add	80.48	
		For 1-3/4" Mesh Fabric, Add	50.01	
		For 2-1/8" Mesh Fabric, Deduct	-25.01	
		For Gate With Single Barb Wire Arm, Add	31.62	
		For Gate With Double Barb Wire Arm, Add	45.99	
32 31 13 13-0514	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	455.39	39.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.87	
		For 1" Mesh Fabric, Add	145.87	
		For 1-1/4" Mesh Fabric, Add	93.89	
		For 1-3/4" Mesh Fabric, Add	58.35	
		For 2-1/8" Mesh Fabric, Deduct	-29.17	
		For Gate With Single Barb Wire Arm, Add	36.89	
		For Gate With Double Barb Wire Arm, Add	53.65	
32 31 13 13-0515	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	532.26	49.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.86	
		For 1" Mesh Fabric, Add	166.71	
		For 1-1/4" Mesh Fabric, Add	107.30	
		For 1-3/4" Mesh Fabric, Add	66.68	
		For 2-1/8" Mesh Fabric, Deduct	-33.34	
		For Gate With Single Barb Wire Arm, Add	42.16	
		For Gate With Double Barb Wire Arm, Add	61.32	
32 31 13 13-0516	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	608.12	58.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-80.84	
		For 1" Mesh Fabric, Add	187.54	
		For 1-1/4" Mesh Fabric, Add	120.72	
		For 1-3/4" Mesh Fabric, Add	75.02	
		For 2-1/8" Mesh Fabric, Deduct	-37.51	
		For Gate With Single Barb Wire Arm, Add	47.42	
		For Gate With Double Barb Wire Arm, Add	68.98	
32 31 13 13-0517	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	685.01	68.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.82	
		For 1" Mesh Fabric, Add	208.39	
		For 1-1/4" Mesh Fabric, Add	134.13	
		For 1-3/4" Mesh Fabric, Add	83.35	
		For 2-1/8" Mesh Fabric, Deduct	-41.68	
		For Gate With Single Barb Wire Arm, Add	52.70	
		For Gate With Double Barb Wire Arm, Add	76.65	
32 31 13 13-0518	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	760.85	77.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.80	
		For 1" Mesh Fabric, Add	229.22	
		For 1-1/4" Mesh Fabric, Add	147.55	
		For 1-3/4" Mesh Fabric, Add	91.69	
		For 2-1/8" Mesh Fabric, Deduct	-45.84	
		For Gate With Single Barb Wire Arm, Add	57.96	
		For Gate With Double Barb Wire Arm, Add	84.31	
32 31 13 13-0519	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	837.75	87.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-107.78	
		For 1" Mesh Fabric, Add	250.06	
		For 1-1/4" Mesh Fabric, Add	160.96	
		For 1-3/4" Mesh Fabric, Add	100.02	
		For 2-1/8" Mesh Fabric, Deduct	-50.01	
		For Gate With Single Barb Wire Arm, Add	63.23	
		For Gate With Double Barb Wire Arm, Add	91.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0520	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	.....	1,175.16	104.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-161.68	
		For 1" Mesh Fabric, Add	.....	375.09	
		For 1-1/4" Mesh Fabric, Add	.....	241.44	
		For 1-3/4" Mesh Fabric, Add	.....	150.03	
		For 2-1/8" Mesh Fabric, Deduct	.....	-75.02	
		For Gate With Single Barb Wire Arm, Add	.....	94.85	
		For Gate With Double Barb Wire Arm, Add	.....	137.96	
32 31 13 13-0521	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	.....	1,371.56	112.12
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-194.01	
		For 1" Mesh Fabric, Add	.....	450.10	
		For 1-1/4" Mesh Fabric, Add	.....	289.72	
		For 1-3/4" Mesh Fabric, Add	.....	180.04	
		For 2-1/8" Mesh Fabric, Deduct	.....	-90.02	
		For Gate With Single Barb Wire Arm, Add	.....	113.82	
		For Gate With Double Barb Wire Arm, Add	.....	165.56	
32 31 13 13-0522	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	.....	1,572.21	121.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-226.34	
		For 1" Mesh Fabric, Add	.....	525.12	
		For 1-1/4" Mesh Fabric, Add	.....	338.01	
		For 1-3/4" Mesh Fabric, Add	.....	210.05	
		For 2-1/8" Mesh Fabric, Deduct	.....	-105.02	
		For Gate With Single Barb Wire Arm, Add	.....	132.79	
		For Gate With Double Barb Wire Arm, Add	.....	193.15	
32 31 13 13-0523	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	.....	1,777.69	132.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-258.68	
		For 1" Mesh Fabric, Add	.....	600.13	
		For 1-1/4" Mesh Fabric, Add	.....	386.29	
		For 1-3/4" Mesh Fabric, Add	.....	240.05	
		For 2-1/8" Mesh Fabric, Deduct	.....	-120.03	
		For Gate With Single Barb Wire Arm, Add	.....	151.76	
		For Gate With Double Barb Wire Arm, Add	.....	220.74	
32 31 13 13-0524	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	.....	1,990.13	145.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-291.02	
		For 1" Mesh Fabric, Add	.....	675.15	
		For 1-1/4" Mesh Fabric, Add	.....	434.58	
		For 1-3/4" Mesh Fabric, Add	.....	270.06	
		For 2-1/8" Mesh Fabric, Deduct	.....	-135.03	
		For Gate With Single Barb Wire Arm, Add	.....	170.73	
		For Gate With Double Barb Wire Arm, Add	.....	248.33	
32 31 13 13-0525	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	.....	2,211.01	162.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-323.35	
		For 1" Mesh Fabric, Add	.....	750.17	
		For 1-1/4" Mesh Fabric, Add	.....	482.87	
		For 1-3/4" Mesh Fabric, Add	.....	300.07	
		For 2-1/8" Mesh Fabric, Deduct	.....	-150.03	
		For Gate With Single Barb Wire Arm, Add	.....	189.70	
		For Gate With Double Barb Wire Arm, Add	.....	275.92	
32 31 13 13-0526	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	.....	2,444.54	182.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-355.68	
		For 1" Mesh Fabric, Add	.....	825.19	
		For 1-1/4" Mesh Fabric, Add	.....	531.15	
		For 1-3/4" Mesh Fabric, Add	.....	330.07	
		For 2-1/8" Mesh Fabric, Deduct	.....	-165.04	
		For Gate With Single Barb Wire Arm, Add	.....	208.67	
		For Gate With Double Barb Wire Arm, Add	.....	303.52	
32 31 13 13-0527	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	.....	2,694.82	208.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-388.02	
		For 1" Mesh Fabric, Add	.....	900.21	
		For 1-1/4" Mesh Fabric, Add	.....	579.44	
		For 1-3/4" Mesh Fabric, Add	.....	360.08	
		For 2-1/8" Mesh Fabric, Deduct	.....	-180.04	
		For Gate With Single Barb Wire Arm, Add	.....	227.64	
		For Gate With Double Barb Wire Arm, Add	.....	331.11	
32 31 13 13-0528	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	.....	2,971.97	243.08
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-420.35	
		For 1" Mesh Fabric, Add	.....	975.22	
		For 1-1/4" Mesh Fabric, Add	.....	627.73	
		For 1-3/4" Mesh Fabric, Add	.....	390.09	
		For 2-1/8" Mesh Fabric, Deduct	.....	-195.04	
		For Gate With Single Barb Wire Arm, Add	.....	246.61	
		For Gate With Double Barb Wire Arm, Add	.....	358.70	
32 31 13 13-0529	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	.....	3,289.65	291.49
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-452.69	
		For 1" Mesh Fabric, Add	.....	1,050.24	
		For 1-1/4" Mesh Fabric, Add	.....	676.02	
		For 1-3/4" Mesh Fabric, Add	.....	420.10	
		For 2-1/8" Mesh Fabric, Deduct	.....	-210.05	
		For Gate With Single Barb Wire Arm, Add	.....	265.58	
		For Gate With Double Barb Wire Arm, Add	.....	386.29	
32 31 13 13-0530	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	.....	3,681.91	364.67
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	.....	-485.03	
		For 1" Mesh Fabric, Add	.....	1,125.26	
		For 1-1/4" Mesh Fabric, Add	.....	724.30	
		For 1-3/4" Mesh Fabric, Add	.....	450.10	
		For 2-1/8" Mesh Fabric, Deduct	.....	-225.05	
		For Gate With Single Barb Wire Arm, Add	.....	284.55	
		For Gate With Double Barb Wire Arm, Add	.....	413.89	

32 31 13 13-0531 12' Fence Height (32 31 13 13-0410)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 13-0532	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	428.41	42.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.37	
		For 1" Mesh Fabric, Add	130.77	
		For 1-1/4" Mesh Fabric, Add	84.18	
		For 1-3/4" Mesh Fabric, Add	52.31	
		For 2-1/8" Mesh Fabric, Deduct	-26.15	
		For Gate With Single Barb Wire Arm, Add	33.07	
		For Gate With Double Barb Wire Arm, Add	48.10	
32 31 13 13-0533	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	528.34	42.54
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-75.11	
		For 1" Mesh Fabric, Add	174.24	
		For 1-1/4" Mesh Fabric, Add	112.16	
		For 1-3/4" Mesh Fabric, Add	69.70	
		For 2-1/8" Mesh Fabric, Deduct	-34.85	
		For Gate With Single Barb Wire Arm, Add	44.06	
		For Gate With Double Barb Wire Arm, Add	64.09	
32 31 13 13-0534	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	607.37	44.09
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.04	
		For 1" Mesh Fabric, Add	206.58	
		For 1-1/4" Mesh Fabric, Add	132.97	
		For 1-3/4" Mesh Fabric, Add	82.63	
		For 2-1/8" Mesh Fabric, Deduct	-41.32	
		For Gate With Single Barb Wire Arm, Add	52.24	
		For Gate With Double Barb Wire Arm, Add	75.98	
32 31 13 13-0535	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	701.41	54.75
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-100.66	
		For 1" Mesh Fabric, Add	233.53	
		For 1-1/4" Mesh Fabric, Add	150.32	
		For 1-3/4" Mesh Fabric, Add	93.41	
		For 2-1/8" Mesh Fabric, Deduct	-46.71	
		For Gate With Single Barb Wire Arm, Add	59.05	
		For Gate With Double Barb Wire Arm, Add	85.89	
32 31 13 13-0536	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	802.32	65.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-113.56	
		For 1" Mesh Fabric, Add	263.46	
		For 1-1/4" Mesh Fabric, Add	169.58	
		For 1-3/4" Mesh Fabric, Add	105.38	
		For 2-1/8" Mesh Fabric, Deduct	-52.69	
		For Gate With Single Barb Wire Arm, Add	66.62	
		For Gate With Double Barb Wire Arm, Add	96.91	
32 31 13 13-0537	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	902.19	75.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.47	
		For 1" Mesh Fabric, Add	293.40	
		For 1-1/4" Mesh Fabric, Add	188.85	
		For 1-3/4" Mesh Fabric, Add	117.36	
		For 2-1/8" Mesh Fabric, Deduct	-58.68	
		For Gate With Single Barb Wire Arm, Add	74.19	
		For Gate With Double Barb Wire Arm, Add	107.92	
32 31 13 13-0538	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,003.10	86.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.37	
		For 1" Mesh Fabric, Add	323.34	
		For 1-1/4" Mesh Fabric, Add	208.13	
		For 1-3/4" Mesh Fabric, Add	129.34	
		For 2-1/8" Mesh Fabric, Deduct	-64.67	
		For Gate With Single Barb Wire Arm, Add	81.76	
		For Gate With Double Barb Wire Arm, Add	118.93	
32 31 13 13-0539	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,097.13	97.19
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-150.98	
		For 1" Mesh Fabric, Add	350.28	
		For 1-1/4" Mesh Fabric, Add	225.47	
		For 1-3/4" Mesh Fabric, Add	140.11	
		For 2-1/8" Mesh Fabric, Deduct	-70.06	
		For Gate With Single Barb Wire Arm, Add	88.58	
		For Gate With Double Barb Wire Arm, Add	128.84	
32 31 13 13-0540	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,555.00	115.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.40	
		For 1" Mesh Fabric, Add	525.25	
		For 1-1/4" Mesh Fabric, Add	338.09	
		For 1-3/4" Mesh Fabric, Add	210.10	
		For 2-1/8" Mesh Fabric, Deduct	-105.05	
		For Gate With Single Barb Wire Arm, Add	132.82	
		For Gate With Double Barb Wire Arm, Add	193.20	
32 31 13 13-0541	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,862.46	124.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-279.05	
		For 1" Mesh Fabric, Add	647.40	
		For 1-1/4" Mesh Fabric, Add	416.72	
		For 1-3/4" Mesh Fabric, Add	258.96	
		For 2-1/8" Mesh Fabric, Deduct	-129.48	
		For Gate With Single Barb Wire Arm, Add	163.71	
		For Gate With Double Barb Wire Arm, Add	238.12	
32 31 13 13-0542	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,143.29	135.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-325.82	
		For 1" Mesh Fabric, Add	755.90	
		For 1-1/4" Mesh Fabric, Add	486.55	
		For 1-3/4" Mesh Fabric, Add	302.36	
		For 2-1/8" Mesh Fabric, Deduct	-151.18	
		For Gate With Single Barb Wire Arm, Add	191.15	
		For Gate With Double Barb Wire Arm, Add	278.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0543	EA		16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,427.83 -372.27 863.68 555.93 345.47 -172.74 218.40 317.67	147.23
32 31 13 13-0544	EA		18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,716.64 -418.11 970.02 624.38 388.01 -194.00 245.29 356.79	162.13
32 31 13 13-0545	EA		20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,018.05 -464.57 1,077.80 693.76 431.12 -215.56 272.55 396.43	180.00
32 31 13 13-0546	EA		22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,333.87 -511.03 1,185.58 763.13 474.23 -237.12 299.80 436.08	202.55
32 31 13 13-0547	EA		24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,668.11 -557.48 1,293.36 832.51 517.34 -258.67 327.06 475.72	231.37
32 31 13 13-0548	EA		26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	4,040.46 -605.49 1,404.73 904.20 561.89 -280.95 355.22 516.68	270.18
32 31 13 13-0549	EA		28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	4,449.61 -651.95 1,512.51 973.57 605.00 -302.50 382.47 556.33	323.89
32 31 13 13-0550	EA		30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	4,941.60 -698.40 1,620.29 1,042.95 648.12 -324.06 409.73 595.97	405.20
32 31 13 13-0551			Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0268) Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0647 for additional gate accessories, 32 31 13 13-0730 for gate replacement parts.		
32 31 13 13-0552			4' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)		
32 31 13 13-0553	EA		10' Long x 4' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,257.86 1,069.22 688.23 427.69 -213.84 270.38 737.39	399.91
32 31 13 13-0554	EA		12' Long x 4' High Chain Link Galvanized Steel Sliding Gate For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,915.10 1,283.07 825.88 513.23 -256.61 324.45 884.87	482.83

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 13-0555	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,567.84		563.27
		For 1" Mesh Fabric, Add	1,496.91		
		For 1-1/4" Mesh Fabric, Add	963.53		
		For 1-3/4" Mesh Fabric, Add	598.77		
		For 2-1/8" Mesh Fabric, Deduct	-299.38		
		For Gate With Barb Wire Arm, Add	378.53		
		For Vinyl Coated, Add	1,032.35		
32 31 13 13-0556	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,227.58		647.42
		For 1" Mesh Fabric, Add	1,710.76		
		For 1-1/4" Mesh Fabric, Add	1,101.18		
		For 1-3/4" Mesh Fabric, Add	684.30		
		For 2-1/8" Mesh Fabric, Deduct	-342.15		
		For Gate With Barb Wire Arm, Add	432.61		
		For Vinyl Coated, Add	1,179.83		
32 31 13 13-0557	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,881.08		728.36
		For 1" Mesh Fabric, Add	1,924.61		
		For 1-1/4" Mesh Fabric, Add	1,238.83		
		For 1-3/4" Mesh Fabric, Add	769.84		
		For 2-1/8" Mesh Fabric, Deduct	-384.92		
		For Gate With Barb Wire Arm, Add	486.68		
		For Vinyl Coated, Add	1,327.31		
32 31 13 13-0558	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,519.63		801.78
		For 1" Mesh Fabric, Add	2,138.45		
		For 1-1/4" Mesh Fabric, Add	1,376.47		
		For 1-3/4" Mesh Fabric, Add	855.38		
		For 2-1/8" Mesh Fabric, Deduct	-427.69		
		For Gate With Barb Wire Arm, Add	540.76		
		For Vinyl Coated, Add	1,474.79		
32 31 13 13-0559	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	7,786.92		965.52
		For 1" Mesh Fabric, Add	2,547.31		
		For 1-1/4" Mesh Fabric, Add	1,639.65		
		For 1-3/4" Mesh Fabric, Add	1,018.92		
		For 2-1/8" Mesh Fabric, Deduct	-509.46		
		For Gate With Barb Wire Arm, Add	644.15		
		For Vinyl Coated, Add	1,756.76		
32 31 13 13-0560	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	11,018.94		1,822.50
		For 1" Mesh Fabric, Add	3,207.67		
		For 1-1/4" Mesh Fabric, Add	2,064.71		
		For 1-3/4" Mesh Fabric, Add	1,283.07		
		For 2-1/8" Mesh Fabric, Deduct	-641.53		
		For Gate With Barb Wire Arm, Add	811.14		
		For Vinyl Coated, Add	2,212.19		
32 31 13 13-0561	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	14,691.92		2,430.00
		For 1" Mesh Fabric, Add	4,276.89		
		For 1-1/4" Mesh Fabric, Add	2,752.94		
		For 1-3/4" Mesh Fabric, Add	1,710.76		
		For 2-1/8" Mesh Fabric, Deduct	-855.38		
		For Gate With Barb Wire Arm, Add	1,081.51		
		For Vinyl Coated, Add	2,949.58		
32 31 13 13-0562		5' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)			
32 31 13 13-0563	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,400.74		435.27
		For 1" Mesh Fabric, Add	1,100.65		
		For 1-1/4" Mesh Fabric, Add	708.46		
		For 1-3/4" Mesh Fabric, Add	440.26		
		For 2-1/8" Mesh Fabric, Deduct	-220.13		
		For Gate With Barb Wire Arm, Add	278.32		
		For Vinyl Coated, Add	759.07		
32 31 13 13-0564	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,079.68		521.75
		For 1" Mesh Fabric, Add	1,320.78		
		For 1-1/4" Mesh Fabric, Add	850.16		
		For 1-3/4" Mesh Fabric, Add	528.31		
		For 2-1/8" Mesh Fabric, Deduct	-264.16		
		For Gate With Barb Wire Arm, Add	333.99		
		For Vinyl Coated, Add	910.88		
32 31 13 13-0565	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,759.42		608.61
		For 1" Mesh Fabric, Add	1,540.91		
		For 1-1/4" Mesh Fabric, Add	991.85		
		For 1-3/4" Mesh Fabric, Add	616.36		
		For 2-1/8" Mesh Fabric, Deduct	-308.18		
		For Gate With Barb Wire Arm, Add	389.66		
		For Vinyl Coated, Add	1,062.70		
32 31 13 13-0566	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,439.68		695.71
		For 1" Mesh Fabric, Add	1,761.04		
		For 1-1/4" Mesh Fabric, Add	1,133.54		
		For 1-3/4" Mesh Fabric, Add	704.42		
		For 2-1/8" Mesh Fabric, Deduct	-352.21		
		For Gate With Barb Wire Arm, Add	445.32		
		For Vinyl Coated, Add	1,214.51		
32 31 13 13-0567	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,119.35		782.44
		For 1" Mesh Fabric, Add	1,981.16		
		For 1-1/4" Mesh Fabric, Add	1,275.23		
		For 1-3/4" Mesh Fabric, Add	792.47		
		For 2-1/8" Mesh Fabric, Deduct	-396.23		
		For Gate With Barb Wire Arm, Add	500.98		
		For Vinyl Coated, Add	1,366.32		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0568	EA		20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,799.32	869.43
			For 1" Mesh Fabric, Add	2,201.29	
			For 1-1/4" Mesh Fabric, Add	1,416.92	
			For 1-3/4" Mesh Fabric, Add	880.52	
			For 2-1/8" Mesh Fabric, Deduct	-440.26	
			For Gate With Barb Wire Arm, Add	556.65	
			For Vinyl Coated, Add	1,518.13	
32 31 13 13-0569	EA		24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	8,117.01	1,044.49
			For 1" Mesh Fabric, Add	2,622.18	
			For 1-1/4" Mesh Fabric, Add	1,687.84	
			For 1-3/4" Mesh Fabric, Add	1,048.87	
			For 2-1/8" Mesh Fabric, Deduct	-524.44	
			For Gate With Barb Wire Arm, Add	663.08	
			For Vinyl Coated, Add	1,808.40	
32 31 13 13-0570	EA		30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	10,199.46	1,304.44
			For 1" Mesh Fabric, Add	3,301.94	
			For 1-1/4" Mesh Fabric, Add	2,125.39	
			For 1-3/4" Mesh Fabric, Add	1,320.78	
			For 2-1/8" Mesh Fabric, Deduct	-660.39	
			For Gate With Barb Wire Arm, Add	834.97	
			For Vinyl Coated, Add	2,277.20	
32 31 13 13-0571	EA		40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	13,598.67	1,738.85
			For 1" Mesh Fabric, Add	4,402.59	
			For 1-1/4" Mesh Fabric, Add	2,833.85	
			For 1-3/4" Mesh Fabric, Add	1,761.03	
			For 2-1/8" Mesh Fabric, Deduct	-880.52	
			For Gate With Barb Wire Arm, Add	1,113.30	
			For Vinyl Coated, Add	3,036.27	
32 31 13 13-0572 6' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)					
32 31 13 13-0573	EA		10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,601.30	510.30
			For 1" Mesh Fabric, Add	1,122.64	
			For 1-1/4" Mesh Fabric, Add	722.62	
			For 1-3/4" Mesh Fabric, Add	449.06	
			For 2-1/8" Mesh Fabric, Deduct	-224.53	
			For Gate With Barb Wire Arm, Add	283.89	
			For Vinyl Coated, Add	774.24	
32 31 13 13-0574	EA		12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,317.96	610.46
			For 1" Mesh Fabric, Add	1,347.17	
			For 1-1/4" Mesh Fabric, Add	867.15	
			For 1-3/4" Mesh Fabric, Add	538.87	
			For 2-1/8" Mesh Fabric, Deduct	-269.43	
			For Gate With Barb Wire Arm, Add	340.66	
			For Vinyl Coated, Add	929.09	
32 31 13 13-0575	EA		14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,037.39	712.09
			For 1" Mesh Fabric, Add	1,571.70	
			For 1-1/4" Mesh Fabric, Add	1,011.67	
			For 1-3/4" Mesh Fabric, Add	628.68	
			For 2-1/8" Mesh Fabric, Deduct	-314.34	
			For Gate With Barb Wire Arm, Add	397.44	
			For Vinyl Coated, Add	1,083.93	
32 31 13 13-0576	EA		16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,757.29	813.99
			For 1" Mesh Fabric, Add	1,796.23	
			For 1-1/4" Mesh Fabric, Add	1,156.20	
			For 1-3/4" Mesh Fabric, Add	718.49	
			For 2-1/8" Mesh Fabric, Deduct	-359.25	
			For Gate With Barb Wire Arm, Add	454.22	
			For Vinyl Coated, Add	1,238.78	
32 31 13 13-0577	EA		18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,476.72	915.62
			For 1" Mesh Fabric, Add	2,020.76	
			For 1-1/4" Mesh Fabric, Add	1,300.72	
			For 1-3/4" Mesh Fabric, Add	808.30	
			For 2-1/8" Mesh Fabric, Deduct	-404.15	
			For Gate With Barb Wire Arm, Add	511.00	
			For Vinyl Coated, Add	1,393.63	
32 31 13 13-0578	EA		20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	7,203.02	1,020.71
			For 1" Mesh Fabric, Add	2,245.29	
			For 1-1/4" Mesh Fabric, Add	1,445.25	
			For 1-3/4" Mesh Fabric, Add	898.12	
			For 2-1/8" Mesh Fabric, Deduct	-449.06	
			For Gate With Barb Wire Arm, Add	567.77	
			For Vinyl Coated, Add	1,548.48	
32 31 13 13-0579	EA		24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	8,590.50	1,221.04
			For 1" Mesh Fabric, Add	2,674.58	
			For 1-1/4" Mesh Fabric, Add	1,721.57	
			For 1-3/4" Mesh Fabric, Add	1,069.83	
			For 2-1/8" Mesh Fabric, Deduct	-534.92	
			For Gate With Barb Wire Arm, Add	676.33	
			For Vinyl Coated, Add	1,844.54	
32 31 13 13-0580	EA		30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	10,795.67	1,526.69
			For 1" Mesh Fabric, Add	3,367.94	
			For 1-1/4" Mesh Fabric, Add	2,167.87	
			For 1-3/4" Mesh Fabric, Add	1,347.17	
			For 2-1/8" Mesh Fabric, Deduct	-673.59	
			For Gate With Barb Wire Arm, Add	851.66	
			For Vinyl Coated, Add	2,322.71	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 13-0581	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	14,392.55		2,034.65
		For 1" Mesh Fabric, Add	4,490.58		
		For 1-1/4" Mesh Fabric, Add	2,890.49		
		For 1-3/4" Mesh Fabric, Add	1,796.23		
		For 2-1/8" Mesh Fabric, Deduct	-898.12		
		For Gate With Barb Wire Arm, Add	1,135.55		
		For Vinyl Coated, Add	3,096.95		
32 31 13 13-0582 7' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)					
32 31 13 13-0583	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,820.30		569.18
		For 1" Mesh Fabric, Add	1,166.64		
		For 1-1/4" Mesh Fabric, Add	750.94		
		For 1-3/4" Mesh Fabric, Add	466.66		
		For 2-1/8" Mesh Fabric, Deduct	-233.33		
		For Gate With Barb Wire Arm, Add	295.01		
		For Vinyl Coated, Add	804.58		
32 31 13 13-0584	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,583.51		682.53
		For 1" Mesh Fabric, Add	1,400.01		
		For 1-1/4" Mesh Fabric, Add	901.15		
		For 1-3/4" Mesh Fabric, Add	560.00		
		For 2-1/8" Mesh Fabric, Deduct	-280.00		
		For Gate With Barb Wire Arm, Add	354.03		
		For Vinyl Coated, Add	965.52		
32 31 13 13-0585	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,348.49		796.86
		For 1" Mesh Fabric, Add	1,633.29		
		For 1-1/4" Mesh Fabric, Add	1,051.31		
		For 1-3/4" Mesh Fabric, Add	653.32		
		For 2-1/8" Mesh Fabric, Deduct	-326.66		
		For Gate With Barb Wire Arm, Add	413.02		
		For Vinyl Coated, Add	1,126.41		
32 31 13 13-0586	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,111.56		910.21
		For 1" Mesh Fabric, Add	1,866.62		
		For 1-1/4" Mesh Fabric, Add	1,201.51		
		For 1-3/4" Mesh Fabric, Add	746.65		
		For 2-1/8" Mesh Fabric, Deduct	-373.32		
		For Gate With Barb Wire Arm, Add	472.02		
		For Vinyl Coated, Add	1,287.33		
32 31 13 13-0587	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,875.69		1,024.16
		For 1" Mesh Fabric, Add	2,099.95		
		For 1-1/4" Mesh Fabric, Add	1,351.69		
		For 1-3/4" Mesh Fabric, Add	839.98		
		For 2-1/8" Mesh Fabric, Deduct	-419.99		
		For Gate With Barb Wire Arm, Add	531.02		
		For Vinyl Coated, Add	1,448.24		
32 31 13 13-0588	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate	7,639.04		1,137.63
		For 1" Mesh Fabric, Add	2,333.28		
		For 1-1/4" Mesh Fabric, Add	1,501.88		
		For 1-3/4" Mesh Fabric, Add	933.31		
		For 2-1/8" Mesh Fabric, Deduct	-466.66		
		For Gate With Barb Wire Arm, Add	590.03		
		For Vinyl Coated, Add	1,609.16		
32 31 13 13-0589	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate	9,119.62		1,365.06
		For 1" Mesh Fabric, Add	2,779.40		
		For 1-1/4" Mesh Fabric, Add	1,789.04		
		For 1-3/4" Mesh Fabric, Add	1,111.76		
		For 2-1/8" Mesh Fabric, Deduct	-555.88		
		For Gate With Barb Wire Arm, Add	702.84		
		For Vinyl Coated, Add	1,916.83		
32 31 13 13-0590	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate	11,458.53		1,706.32
		For 1" Mesh Fabric, Add	3,499.91		
		For 1-1/4" Mesh Fabric, Add	2,252.82		
		For 1-3/4" Mesh Fabric, Add	1,399.97		
		For 2-1/8" Mesh Fabric, Deduct	-699.98		
		For Gate With Barb Wire Arm, Add	885.04		
		For Vinyl Coated, Add	2,413.73		
32 31 13 13-0591	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	15,278.05		2,275.14
		For 1" Mesh Fabric, Add	4,666.56		
		For 1-1/4" Mesh Fabric, Add	3,003.76		
		For 1-3/4" Mesh Fabric, Add	1,866.62		
		For 2-1/8" Mesh Fabric, Deduct	-933.31		
		For Gate With Barb Wire Arm, Add	1,180.05		
		For Vinyl Coated, Add	3,218.32		
32 31 13 13-0592 8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)					
32 31 13 13-0593	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,994.64		616.62
		For 1" Mesh Fabric, Add	1,201.21		
		For 1-1/4" Mesh Fabric, Add	773.19		
		For 1-3/4" Mesh Fabric, Add	480.48		
		For 2-1/8" Mesh Fabric, Deduct	-240.24		
		For Gate With Barb Wire Arm, Add	303.75		
		For Vinyl Coated, Add	828.42		
32 31 13 13-0594	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,790.02		738.22
		For 1" Mesh Fabric, Add	1,441.45		
		For 1-1/4" Mesh Fabric, Add	927.83		
		For 1-3/4" Mesh Fabric, Add	576.58		
		For 2-1/8" Mesh Fabric, Deduct	-288.29		
		For Gate With Barb Wire Arm, Add	364.50		
		For Vinyl Coated, Add	994.10		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0595	EA		14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,588.41	861.30
			For 1" Mesh Fabric, Add	1,681.68	
			For 1-1/4" Mesh Fabric, Add	1,082.46	
			For 1-3/4" Mesh Fabric, Add	672.67	
			For 2-1/8" Mesh Fabric, Deduct	-336.34	
			For Gate With Barb Wire Arm, Add	425.25	
			For Vinyl Coated, Add	1,159.78	
32 31 13 13-0596	EA		16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,387.06	984.37
			For 1" Mesh Fabric, Add	1,921.93	
			For 1-1/4" Mesh Fabric, Add	1,237.10	
			For 1-3/4" Mesh Fabric, Add	768.77	
			For 2-1/8" Mesh Fabric, Deduct	-384.39	
			For Gate With Barb Wire Arm, Add	486.00	
			For Vinyl Coated, Add	1,325.47	
32 31 13 13-0597	EA		18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,184.34	1,106.95
			For 1" Mesh Fabric, Add	2,162.17	
			For 1-1/4" Mesh Fabric, Add	1,391.74	
			For 1-3/4" Mesh Fabric, Add	864.87	
			For 2-1/8" Mesh Fabric, Deduct	-432.43	
			For Gate With Barb Wire Arm, Add	546.76	
			For Vinyl Coated, Add	1,491.15	
32 31 13 13-0598	EA		20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,983.09	1,230.15
			For 1" Mesh Fabric, Add	2,402.41	
			For 1-1/4" Mesh Fabric, Add	1,546.38	
			For 1-3/4" Mesh Fabric, Add	960.96	
			For 2-1/8" Mesh Fabric, Deduct	-480.48	
			For Gate With Barb Wire Arm, Add	607.51	
			For Vinyl Coated, Add	1,656.83	
32 31 13 13-0599	EA		24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	9,531.40	1,476.31
			For 1" Mesh Fabric, Add	2,861.75	
			For 1-1/4" Mesh Fabric, Add	1,842.04	
			For 1-3/4" Mesh Fabric, Add	1,144.70	
			For 2-1/8" Mesh Fabric, Deduct	-572.35	
			For Gate With Barb Wire Arm, Add	723.66	
			For Vinyl Coated, Add	1,973.62	
32 31 13 13-0600	EA		30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	11,975.59	1,845.66
			For 1" Mesh Fabric, Add	3,603.62	
			For 1-1/4" Mesh Fabric, Add	2,319.57	
			For 1-3/4" Mesh Fabric, Add	1,441.45	
			For 2-1/8" Mesh Fabric, Deduct	-720.72	
			For Gate With Barb Wire Arm, Add	911.26	
			For Vinyl Coated, Add	2,485.26	
32 31 13 13-0601	EA		40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	15,963.75	2,459.08
			For 1" Mesh Fabric, Add	4,804.82	
			For 1-1/4" Mesh Fabric, Add	3,092.76	
			For 1-3/4" Mesh Fabric, Add	1,921.93	
			For 2-1/8" Mesh Fabric, Deduct	-960.96	
			For Gate With Barb Wire Arm, Add	1,215.01	
			For Vinyl Coated, Add	3,313.67	
32 31 13 13-0602			9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)		
32 31 13 13-0603	EA		10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,200.65	672.68
			For 1" Mesh Fabric, Add	1,242.06	
			For 1-1/4" Mesh Fabric, Add	799.48	
			For 1-3/4" Mesh Fabric, Add	496.82	
			For 2-1/8" Mesh Fabric, Deduct	-248.41	
			For Gate With Barb Wire Arm, Add	314.08	
			For Vinyl Coated, Add	856.59	
32 31 13 13-0604	EA		12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,035.78	804.75
			For 1" Mesh Fabric, Add	1,490.47	
			For 1-1/4" Mesh Fabric, Add	959.38	
			For 1-3/4" Mesh Fabric, Add	596.19	
			For 2-1/8" Mesh Fabric, Deduct	-298.09	
			For Gate With Barb Wire Arm, Add	376.90	
			For Vinyl Coated, Add	1,027.91	
32 31 13 13-0605	EA		14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,874.78	938.66
			For 1" Mesh Fabric, Add	1,738.89	
			For 1-1/4" Mesh Fabric, Add	1,119.28	
			For 1-3/4" Mesh Fabric, Add	695.55	
			For 2-1/8" Mesh Fabric, Deduct	-347.78	
			For Gate With Barb Wire Arm, Add	439.72	
			For Vinyl Coated, Add	1,199.23	
32 31 13 13-0606	EA		16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,714.83	1,073.19
			For 1" Mesh Fabric, Add	1,987.29	
			For 1-1/4" Mesh Fabric, Add	1,279.17	
			For 1-3/4" Mesh Fabric, Add	794.92	
			For 2-1/8" Mesh Fabric, Deduct	-397.46	
			For Gate With Barb Wire Arm, Add	502.53	
			For Vinyl Coated, Add	1,370.54	
32 31 13 13-0607	EA		18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,554.06	1,207.24
			For 1" Mesh Fabric, Add	2,235.70	
			For 1-1/4" Mesh Fabric, Add	1,439.07	
			For 1-3/4" Mesh Fabric, Add	894.28	
			For 2-1/8" Mesh Fabric, Deduct	-447.14	
			For Gate With Barb Wire Arm, Add	565.35	
			For Vinyl Coated, Add	1,541.87	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0608	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	8,393.26	1,341.28
		For 1" Mesh Fabric, Add	2,484.12	
		For 1-1/4" Mesh Fabric, Add	1,598.97	
		For 1-3/4" Mesh Fabric, Add	993.65	
		For 2-1/8" Mesh Fabric, Deduct	-496.82	
		For Gate With Barb Wire Arm, Add	628.17	
		For Vinyl Coated, Add	1,713.19	
32 31 13 13-0609	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	10,021.28	1,609.36
		For 1" Mesh Fabric, Add	2,959.07	
		For 1-1/4" Mesh Fabric, Add	1,904.69	
		For 1-3/4" Mesh Fabric, Add	1,183.63	
		For 2-1/8" Mesh Fabric, Deduct	-591.81	
		For Gate With Barb Wire Arm, Add	748.27	
		For Vinyl Coated, Add	2,040.74	
32 31 13 13-0610	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	12,588.78	2,011.49
		For 1" Mesh Fabric, Add	3,726.18	
		For 1-1/4" Mesh Fabric, Add	2,398.46	
		For 1-3/4" Mesh Fabric, Add	1,490.47	
		For 2-1/8" Mesh Fabric, Deduct	-745.24	
		For Gate With Barb Wire Arm, Add	942.25	
		For Vinyl Coated, Add	2,569.78	
32 31 13 13-0611	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate	16,789.45	2,684.16
		For 1" Mesh Fabric, Add	4,968.24	
		For 1-1/4" Mesh Fabric, Add	3,197.95	
		For 1-3/4" Mesh Fabric, Add	1,987.30	
		For 2-1/8" Mesh Fabric, Deduct	-993.65	
		For Gate With Barb Wire Arm, Add	1,256.34	
		For Vinyl Coated, Add	3,426.37	

32 31 13 13-0612 10' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0551)

32 31 13 13-0613	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,457.99	739.94
		For 1" Mesh Fabric, Add	1,295.48	
		For 1-1/4" Mesh Fabric, Add	833.87	
		For 1-3/4" Mesh Fabric, Add	518.19	
		For 2-1/8" Mesh Fabric, Deduct	-259.10	
		For Gate With Barb Wire Arm, Add	327.59	
		For Vinyl Coated, Add	893.43	
32 31 13 13-0614	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,349.60	887.91
		For 1" Mesh Fabric, Add	1,554.58	
		For 1-1/4" Mesh Fabric, Add	1,000.65	
		For 1-3/4" Mesh Fabric, Add	621.83	
		For 2-1/8" Mesh Fabric, Deduct	-310.92	
		For Gate With Barb Wire Arm, Add	393.11	
		For Vinyl Coated, Add	1,072.12	
32 31 13 13-0615	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,241.70	1,036.12
		For 1" Mesh Fabric, Add	1,813.68	
		For 1-1/4" Mesh Fabric, Add	1,167.42	
		For 1-3/4" Mesh Fabric, Add	725.47	
		For 2-1/8" Mesh Fabric, Deduct	-362.74	
		For Gate With Barb Wire Arm, Add	458.63	
		For Vinyl Coated, Add	1,250.81	
32 31 13 13-0616	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,133.09	1,184.08
		For 1" Mesh Fabric, Add	2,072.77	
		For 1-1/4" Mesh Fabric, Add	1,334.20	
		For 1-3/4" Mesh Fabric, Add	829.11	
		For 2-1/8" Mesh Fabric, Deduct	-414.55	
		For Gate With Barb Wire Arm, Add	524.15	
		For Vinyl Coated, Add	1,429.50	
32 31 13 13-0617	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,024.39	1,331.92
		For 1" Mesh Fabric, Add	2,331.86	
		For 1-1/4" Mesh Fabric, Add	1,500.97	
		For 1-3/4" Mesh Fabric, Add	932.74	
		For 2-1/8" Mesh Fabric, Deduct	-466.37	
		For Gate With Barb Wire Arm, Add	589.67	
		For Vinyl Coated, Add	1,608.18	
32 31 13 13-0618	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,916.00	1,479.88
		For 1" Mesh Fabric, Add	2,590.96	
		For 1-1/4" Mesh Fabric, Add	1,667.74	
		For 1-3/4" Mesh Fabric, Add	1,036.38	
		For 2-1/8" Mesh Fabric, Deduct	-518.19	
		For Gate With Barb Wire Arm, Add	655.19	
		For Vinyl Coated, Add	1,786.87	
32 31 13 13-0619	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	10,648.05	1,776.55
		For 1" Mesh Fabric, Add	3,086.35	
		For 1-1/4" Mesh Fabric, Add	1,986.61	
		For 1-3/4" Mesh Fabric, Add	1,234.54	
		For 2-1/8" Mesh Fabric, Deduct	-617.27	
		For Gate With Barb Wire Arm, Add	780.46	
		For Vinyl Coated, Add	2,128.52	
32 31 13 13-0620	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	13,373.99	2,219.83
		For 1" Mesh Fabric, Add	3,886.44	
		For 1-1/4" Mesh Fabric, Add	2,501.62	
		For 1-3/4" Mesh Fabric, Add	1,554.58	
		For 2-1/8" Mesh Fabric, Deduct	-777.29	
		For Gate With Barb Wire Arm, Add	982.78	
		For Vinyl Coated, Add	2,680.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0621	EA		40' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	17,828.45	2,958.04
			For 1" Mesh Fabric, Add	5,181.92	
			For 1-1/4" Mesh Fabric, Add	3,335.49	
			For 1-3/4" Mesh Fabric, Add	2,072.77	
			For 2-1/8" Mesh Fabric, Deduct	-1,036.38	
			For Gate With Barb Wire Arm, Add	1,310.37	
			For Vinyl Coated, Add	3,573.74	
32 31 13 13-0622			Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller ⁽³²⁾		
			31 13 13-0268)		
			Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.		
32 31 13 13-0623	EA		5' High x 10' Wide Galvanized Cantilever Sliding Gate.....	8,407.17	492.80
			For 1" Mesh Fabric, Add	3,228.38	
			For 1-1/4" Mesh Fabric, Add	2,078.04	
			For 1-3/4" Mesh Fabric, Add	1,291.35	
			For 2-1/8" Mesh Fabric, Deduct	-645.68	
			For Gate With Single Barb Wire Arm, Add	816.37	
			For Gate With Double Barb Wire Arm, Add	1,187.45	
			For Aluminized Steel Gate And Post, Add	3,562.35	
			For Powder Coated Gate And Post, Add	1,558.53	
			For Vinyl Coated, Add	2,226.47	
32 31 13 13-0624	EA		5' High x 12' Wide Galvanized Cantilever Sliding Gate.....	9,158.78	616.00
			For 1" Mesh Fabric, Add	3,448.14	
			For 1-1/4" Mesh Fabric, Add	2,219.50	
			For 1-3/4" Mesh Fabric, Add	1,379.26	
			For 2-1/8" Mesh Fabric, Deduct	-689.63	
			For Gate With Single Barb Wire Arm, Add	871.94	
			For Gate With Double Barb Wire Arm, Add	1,268.28	
			For Aluminized Steel Gate And Post, Add	3,804.85	
			For Powder Coated Gate And Post, Add	1,664.62	
			For Vinyl Coated, Add	2,378.03	
32 31 13 13-0625	EA		5' High x 15' Wide Galvanized Cantilever Sliding Gate.....	9,917.33	739.20
			For 1" Mesh Fabric, Add	3,670.93	
			For 1-1/4" Mesh Fabric, Add	2,362.90	
			For 1-3/4" Mesh Fabric, Add	1,468.37	
			For 2-1/8" Mesh Fabric, Deduct	-734.19	
			For Gate With Single Barb Wire Arm, Add	928.28	
			For Gate With Double Barb Wire Arm, Add	1,350.23	
			For Aluminized Steel Gate And Post, Add	4,050.68	
			For Powder Coated Gate And Post, Add	1,772.17	
			For Vinyl Coated, Add	2,531.68	
32 31 13 13-0626	EA		5' High x 20' Wide Galvanized Cantilever Sliding Gate.....	11,535.31	985.61
			For 1" Mesh Fabric, Add	4,160.39	
			For 1-1/4" Mesh Fabric, Add	2,677.95	
			For 1-3/4" Mesh Fabric, Add	1,664.16	
			For 2-1/8" Mesh Fabric, Deduct	-832.08	
			For Gate With Single Barb Wire Arm, Add	1,052.05	
			For Gate With Double Barb Wire Arm, Add	1,530.26	
			For Aluminized Steel Gate And Post, Add	4,590.77	
			For Powder Coated Gate And Post, Add	2,008.46	
			For Vinyl Coated, Add	2,869.23	
32 31 13 13-0627	EA		6' High x 15' Wide Galvanized Cantilever Sliding Gate.....	10,662.29	985.61
			For 1" Mesh Fabric, Add	3,780.62	
			For 1-1/4" Mesh Fabric, Add	2,433.51	
			For 1-3/4" Mesh Fabric, Add	1,512.25	
			For 2-1/8" Mesh Fabric, Deduct	-756.12	
			For Gate With Single Barb Wire Arm, Add	956.02	
			For Gate With Double Barb Wire Arm, Add	1,390.57	
			For Aluminized Steel Gate And Post, Add	4,171.72	
			For Powder Coated Gate And Post, Add	1,825.13	
			For Vinyl Coated, Add	2,607.33	
32 31 13 13-0628	EA		6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	12,375.11	1,293.60
			For 1" Mesh Fabric, Add	4,257.74	
			For 1-1/4" Mesh Fabric, Add	2,740.61	
			For 1-3/4" Mesh Fabric, Add	1,703.10	
			For 2-1/8" Mesh Fabric, Deduct	-851.55	
			For Gate With Single Barb Wire Arm, Add	1,076.67	
			For Gate With Double Barb Wire Arm, Add	1,566.07	
			For Aluminized Steel Gate And Post, Add	4,698.20	
			For Powder Coated Gate And Post, Add	2,055.46	
			For Vinyl Coated, Add	2,936.37	
32 31 13 13-0629	EA		6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	16,506.36	1,601.61
			For 1" Mesh Fabric, Add	5,786.87	
			For 1-1/4" Mesh Fabric, Add	3,724.88	
			For 1-3/4" Mesh Fabric, Add	2,314.75	
			For 2-1/8" Mesh Fabric, Deduct	-1,157.37	
			For Gate With Single Barb Wire Arm, Add	1,463.35	
			For Gate With Double Barb Wire Arm, Add	2,128.50	
			For Aluminized Steel Gate And Post, Add	6,385.51	
			For Powder Coated Gate And Post, Add	2,793.66	
			For Vinyl Coated, Add	3,990.95	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0630	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	18,500.90	1,909.61
		For 1" Mesh Fabric, Add	6,386.54	
		For 1-1/4" Mesh Fabric, Add	4,110.87	
		For 1-3/4" Mesh Fabric, Add	2,554.61	
		For 2-1/8" Mesh Fabric, Deduct	-1,277.31	
		For Gate With Single Barb Wire Arm, Add	1,614.99	
		For Gate With Double Barb Wire Arm, Add	2,349.07	
		For Aluminized Steel Gate And Post, Add	7,047.21	
		For Powder Coated Gate And Post, Add	3,083.15	
		For Vinyl Coated, Add	4,404.51	
32 31 13 13-0631	EA	6' High x 36' Wide Galvanized Cantilever Sliding Gate.....	21,806.84	2,094.40
		For 1" Mesh Fabric, Add	7,663.84	
		For 1-1/4" Mesh Fabric, Add	4,933.05	
		For 1-3/4" Mesh Fabric, Add	3,065.54	
		For 2-1/8" Mesh Fabric, Deduct	-1,532.77	
		For Gate With Single Barb Wire Arm, Add	1,937.98	
		For Gate With Double Barb Wire Arm, Add	2,818.88	
		For Aluminized Steel Gate And Post, Add	8,456.65	
		For Powder Coated Gate And Post, Add	3,699.79	
		For Vinyl Coated, Add	5,285.41	
32 31 13 13-0632	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	12,407.55	1,232.01
		For 1" Mesh Fabric, Add	4,325.44	
		For 1-1/4" Mesh Fabric, Add	2,784.19	
		For 1-3/4" Mesh Fabric, Add	1,730.18	
		For 2-1/8" Mesh Fabric, Deduct	-865.09	
		For Gate With Single Barb Wire Arm, Add	1,093.79	
		For Gate With Double Barb Wire Arm, Add	1,590.97	
		For Aluminized Steel Gate And Post, Add	4,772.90	
		For Powder Coated Gate And Post, Add	2,088.15	
		For Vinyl Coated, Add	2,983.07	
32 31 13 13-0633	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	14,522.96	1,663.20
		For 1" Mesh Fabric, Add	4,870.50	
		For 1-1/4" Mesh Fabric, Add	3,135.03	
		For 1-3/4" Mesh Fabric, Add	1,948.20	
		For 2-1/8" Mesh Fabric, Deduct	-974.10	
		For Gate With Single Barb Wire Arm, Add	1,231.62	
		For Gate With Double Barb Wire Arm, Add	1,791.45	
		For Aluminized Steel Gate And Post, Add	5,374.34	
		For Powder Coated Gate And Post, Add	2,351.28	
		For Vinyl Coated, Add	3,358.97	
32 31 13 13-0634	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	19,406.44	2,094.40
		For 1" Mesh Fabric, Add	6,619.67	
		For 1-1/4" Mesh Fabric, Add	4,260.94	
		For 1-3/4" Mesh Fabric, Add	2,647.87	
		For 2-1/8" Mesh Fabric, Deduct	-1,323.93	
		For Gate With Single Barb Wire Arm, Add	1,673.94	
		For Gate With Double Barb Wire Arm, Add	2,434.82	
		For Aluminized Steel Gate And Post, Add	7,304.46	
		For Powder Coated Gate And Post, Add	3,195.70	
		For Vinyl Coated, Add	4,565.29	
32 31 13 13-0635	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	21,720.64	2,464.00
		For 1" Mesh Fabric, Add	7,304.79	
		For 1-1/4" Mesh Fabric, Add	4,701.94	
		For 1-3/4" Mesh Fabric, Add	2,921.92	
		For 2-1/8" Mesh Fabric, Deduct	-1,460.96	
		For Gate With Single Barb Wire Arm, Add	1,847.19	
		For Gate With Double Barb Wire Arm, Add	2,686.82	
		For Aluminized Steel Gate And Post, Add	8,060.46	
		For Powder Coated Gate And Post, Add	3,526.45	
		For Vinyl Coated, Add	5,037.79	
32 31 13 13-0636	EA	8' High x 36' Wide Galvanized Cantilever Sliding Gate.....	25,571.97	2,710.40
		For 1" Mesh Fabric, Add	8,765.75	
		For 1-1/4" Mesh Fabric, Add	5,642.32	
		For 1-3/4" Mesh Fabric, Add	3,506.30	
		For 2-1/8" Mesh Fabric, Deduct	-1,753.15	
		For Gate With Single Barb Wire Arm, Add	2,216.63	
		For Gate With Double Barb Wire Arm, Add	3,224.19	
		For Aluminized Steel Gate And Post, Add	9,672.56	
		For Powder Coated Gate And Post, Add	4,231.74	
		For Vinyl Coated, Add	6,045.35	
32 31 13 13-0637	EA	10' High x 15' Wide Galvanized Cantilever Sliding Gate.....	14,143.30	1,478.41
		For 1" Mesh Fabric, Add	4,866.12	
		For 1-1/4" Mesh Fabric, Add	3,132.22	
		For 1-3/4" Mesh Fabric, Add	1,946.45	
		For 2-1/8" Mesh Fabric, Deduct	-973.22	
		For Gate With Single Barb Wire Arm, Add	1,230.51	
		For Gate With Double Barb Wire Arm, Add	1,789.84	
		For Aluminized Steel Gate And Post, Add	5,369.52	
		For Powder Coated Gate And Post, Add	2,349.16	
		For Vinyl Coated, Add	3,355.95	
32 31 13 13-0638	EA	10' High x 20' Wide Galvanized Cantilever Sliding Gate.....	16,275.37	1,909.61
		For 1" Mesh Fabric, Add	5,418.43	
		For 1-1/4" Mesh Fabric, Add	3,487.72	
		For 1-3/4" Mesh Fabric, Add	2,167.37	
		For 2-1/8" Mesh Fabric, Deduct	-1,083.69	
		For Gate With Single Barb Wire Arm, Add	1,370.18	
		For Gate With Double Barb Wire Arm, Add	1,992.99	
		For Aluminized Steel Gate And Post, Add	5,978.96	
		For Powder Coated Gate And Post, Add	2,615.79	
		For Vinyl Coated, Add	3,736.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0639	EA		10' High x 25' Wide Galvanized Cantilever Sliding Gate.....	21,555.05	2,217.60
			For 1" Mesh Fabric, Add	7,447.13	
			For 1-1/4" Mesh Fabric, Add	4,793.56	
			For 1-3/4" Mesh Fabric, Add	2,978.85	
			For 2-1/8" Mesh Fabric, Deduct	-1,489.43	
			For Gate With Single Barb Wire Arm, Add	1,883.18	
			For Gate With Double Barb Wire Arm, Add	2,739.17	
			For Aluminized Steel Gate And Post, Add	8,217.52	
			For Powder Coated Gate And Post, Add	3,595.17	
			For Vinyl Coated, Add	5,135.95	
32 31 13 13-0640	EA		10' High x 30' Wide Galvanized Cantilever Sliding Gate.....	24,066.12	2,587.20
			For 1" Mesh Fabric, Add	8,217.89	
			For 1-1/4" Mesh Fabric, Add	5,289.68	
			For 1-3/4" Mesh Fabric, Add	3,287.16	
			For 2-1/8" Mesh Fabric, Deduct	-1,643.58	
			For Gate With Single Barb Wire Arm, Add	2,078.09	
			For Gate With Double Barb Wire Arm, Add	3,022.67	
			For Aluminized Steel Gate And Post, Add	9,068.02	
			For Powder Coated Gate And Post, Add	3,967.26	
			For Vinyl Coated, Add	5,667.51	
32 31 13 13-0641	EA		10' High x 36' Wide Galvanized Cantilever Sliding Gate.....	28,337.27	2,833.60
			For 1" Mesh Fabric, Add	9,861.48	
			For 1-1/4" Mesh Fabric, Add	6,347.62	
			For 1-3/4" Mesh Fabric, Add	3,944.59	
			For 2-1/8" Mesh Fabric, Deduct	-1,972.30	
			For Gate With Single Barb Wire Arm, Add	2,493.71	
			For Gate With Double Barb Wire Arm, Add	3,627.21	
			For Aluminized Steel Gate And Post, Add	10,881.63	
			For Powder Coated Gate And Post, Add	4,760.71	
			For Vinyl Coated, Add	6,801.02	
32 31 13 13-0642	EA		12' High x 15' Wide Galvanized Cantilever Sliding Gate.....	16,750.20	1,663.20
			For 1" Mesh Fabric, Add	5,839.35	
			For 1-1/4" Mesh Fabric, Add	3,758.66	
			For 1-3/4" Mesh Fabric, Add	2,335.74	
			For 2-1/8" Mesh Fabric, Deduct	-1,167.87	
			For Gate With Single Barb Wire Arm, Add	1,476.62	
			For Gate With Double Barb Wire Arm, Add	2,147.81	
			For Aluminized Steel Gate And Post, Add	6,443.42	
			For Powder Coated Gate And Post, Add	2,819.00	
			For Vinyl Coated, Add	4,027.14	
32 31 13 13-0643	EA		12' High x 20' Wide Galvanized Cantilever Sliding Gate.....	19,304.15	2,094.40
			For 1" Mesh Fabric, Add	6,575.17	
			For 1-1/4" Mesh Fabric, Add	4,232.30	
			For 1-3/4" Mesh Fabric, Add	2,630.07	
			For 2-1/8" Mesh Fabric, Deduct	-1,315.03	
			For Gate With Single Barb Wire Arm, Add	1,662.69	
			For Gate With Double Barb Wire Arm, Add	2,418.45	
			For Aluminized Steel Gate And Post, Add	7,255.36	
			For Powder Coated Gate And Post, Add	3,174.22	
			For Vinyl Coated, Add	4,534.60	
32 31 13 13-0644	EA		12' High x 25' Wide Galvanized Cantilever Sliding Gate.....	25,348.62	2,402.41
			For 1" Mesh Fabric, Add	8,936.55	
			For 1-1/4" Mesh Fabric, Add	5,752.26	
			For 1-3/4" Mesh Fabric, Add	3,574.62	
			For 2-1/8" Mesh Fabric, Deduct	-1,787.31	
			For Gate With Single Barb Wire Arm, Add	2,259.82	
			For Gate With Double Barb Wire Arm, Add	3,287.01	
			For Aluminized Steel Gate And Post, Add	9,861.02	
			For Powder Coated Gate And Post, Add	4,314.20	
			For Vinyl Coated, Add	6,163.14	
32 31 13 13-0645	EA		12' High x 30' Wide Galvanized Cantilever Sliding Gate.....	28,090.87	2,710.40
			For 1" Mesh Fabric, Add	9,861.48	
			For 1-1/4" Mesh Fabric, Add	6,347.62	
			For 1-3/4" Mesh Fabric, Add	3,944.59	
			For 2-1/8" Mesh Fabric, Deduct	-1,972.30	
			For Gate With Single Barb Wire Arm, Add	2,493.71	
			For Gate With Double Barb Wire Arm, Add	3,627.21	
			For Aluminized Steel Gate And Post, Add	10,881.63	
			For Powder Coated Gate And Post, Add	4,760.71	
			For Vinyl Coated, Add	6,801.02	
32 31 13 13-0646	EA		12' High x 36' Wide Galvanized Cantilever Sliding Gate.....	31,942.19	2,956.81
			For 1" Mesh Fabric, Add	11,322.43	
			For 1-1/4" Mesh Fabric, Add	7,288.00	
			For 1-3/4" Mesh Fabric, Add	4,528.97	
			For 2-1/8" Mesh Fabric, Deduct	-2,264.49	
			For Gate With Single Barb Wire Arm, Add	2,863.14	
			For Gate With Double Barb Wire Arm, Add	4,164.57	
			For Aluminized Steel Gate And Post, Add	12,493.72	
			For Powder Coated Gate And Post, Add	5,466.00	
			For Vinyl Coated, Add	7,808.57	
32 31 13 13-0647			Gate Accessories (32 31 13 13-0268)		
32 31 13 13-0648	EA		3" Wheel Diameter, 1" Wheel Width, Black Rubber, Spring-loaded Gate Caster	67.90	16.95
			Note: 100 Lb. max weight capacity		
32 31 13 13-0649	EA		4" Wheel Diameter, 1-1/4" Wheel Width, Black Rubber, Spring-loaded Gate Caster	78.15	16.95
			Note: 225 Lb. max weight capacity		
32 31 13 13-0650	EA		6" Wheel Diameter, 2" Wheel Width, Black Rubber, Spring-loaded Gate Caster	143.99	16.95
			Note: 550 Lb. max weight capacity		
32 31 13 13-0651	EA		Gate Center Stop, Cast Steel, Ground	43.07	
32 31 13 13-0652	EA		Gate Latch, Malleable Galvanized Steel	51.84	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0653	EA	Gate Keeper, Full Length, Galvanized Steel.....	237.47	
32 31 13 13-0654	EA	Gate Keeper Hold-Open For Cantilever Gate.....	111.67	19.66
32 31 13 13-0655	EA	Heavy-Duty Gate Latch, Malleable Galvanized Steel.....	63.07	
32 31 13 13-0656	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	1,138.10	
32 31 13 13-0657	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate.....	1,219.64	
32 31 13 13-0658	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate.....	1,301.19	
32 31 13 13-0659	LF	Aluminum V-Groove Gate Track.....	64.78	11.23
32 31 13 13-0660	LF	Galvanized Steel V-Groove Gate Track.....	46.49	11.23

32 31 13 13-0661 Vertical-Pivot Lift Gate (32 31 13 13-0268)

Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.

32 31 13 13-0662	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	33,310.17	924.00
		For Curb Notch, Add	239.00	
		For Rewired Loop Kit, Add	245.00	
32 31 13 13-0663	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	33,679.77	1,108.81
		For Curb Notch, Add	239.00	
		For Rewired Loop Kit, Add	245.00	
32 31 13 13-0664	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	34,049.37	1,293.60
		For Curb Notch, Add	239.00	
		For Rewired Loop Kit, Add	245.00	
		For Wind Bracing, Add	287.50	
32 31 13 13-0665	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	34,813.49	1,478.41
		For Curb Notch, Add	239.00	
		For Rewired Loop Kit, Add	245.00	
		For Wind Bracing, Add	317.50	
32 31 13 13-0666	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	35,557.88	1,663.20
		For Curb Notch, Add	239.00	
		For Rewired Loop Kit, Add	245.00	
		For Wind Bracing, Add	317.50	
32 31 13 13-0667	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	34,633.88	1,201.20
		For Curb Notch, Add	239.00	
		For Rewired Loop Kit, Add	245.00	
32 31 13 13-0668	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	35,003.48	1,386.00
		For Curb Notch, Add	239.00	
		For Rewired Loop Kit, Add	245.00	
32 31 13 13-0669	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	35,373.08	1,570.81
		For Curb Notch, Add	239.00	
		For Rewired Loop Kit, Add	245.00	
		For Wind Bracing, Add	287.50	
32 31 13 13-0670	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	35,959.65	1,755.60
		For Curb Notch, Add	239.00	
		For Rewired Loop Kit, Add	245.00	
		For Wind Bracing, Add	317.50	
32 31 13 13-0671	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	36,881.57	1,940.41
		For Curb Notch, Add	239.00	
		For Rewired Loop Kit, Add	245.00	
		For Wind Bracing, Add	317.50	

32 31 13 13-0672 Accessories (32 31 13 13)**32 31 13 13-0673 Barbed And Concertina Wire** (32 31 13 13-0672)**32 31 13 13-0674 Single Strand Barbed Wire** (32 31 13 13-0673)

32 31 13 13-0675	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand.....	1.17	0.52
		Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
		For >500 To 2,000, Deduct	-0.05	
		For >2,000 To 5,000, Deduct	-0.08	
32 31 13 13-0676	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand.....	1.22	0.52
		For >500 To 2,000, Deduct	-0.05	
		For >2,000 To 5,000, Deduct	-0.08	
32 31 13 13-0677	LF	Vinyl Coated Barbed Wire (Fused), Per Strand.....	1.33	0.52
		Note: Includes clips.		
		For >500 To 2,000, Deduct	-0.05	
		For >2,000 To 5,000, Deduct	-0.08	
32 31 13 13-0678	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm Mounted On Top Of Post.....	16.96	8.28
32 31 13 13-0679	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm Mounted On Top Of Post.....	29.29	9.94
32 31 13 13-0680	EA	Barbed Wire Eye Tops (For Single Strand) Mounted On Top Of Post.....	13.86	8.28

32 31 13 13-0681 Galvanized Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0673)

32 31 13 13-0682	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.81	0.73
		For >500 To 1,500, Deduct	-0.49	
		For >1,500 To 5,000, Deduct	-0.98	
		For >5,000, Deduct	-1.37	
		For Ground Installation, Deduct	-0.52	
		For Double Coil (Helix), Add	4.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0683	LF		18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.78	0.73
			For >500 To 1,500, Deduct	-0.74	
			For >1,500 To 5,000, Deduct	-1.47	
			For >5,000, Deduct	-2.07	
			For Ground Installation, Deduct	-0.78	
			For Double Coil (Helix), Add	7.23	
32 31 13 13-0684	LF		18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	11.62	0.73
			For >500 To 1,500, Deduct	-0.98	
			For >1,500 To 5,000, Deduct	-1.95	
			For >5,000, Deduct	-2.74	
			For Ground Installation, Deduct	-1.04	
			For Double Coil (Helix), Add	9.55	
32 31 13 13-0685	LF		24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.27	0.73
			For >500 To 1,500, Deduct	-0.83	
			For >1,500 To 5,000, Deduct	-1.66	
			For >5,000, Deduct	-2.28	
			For Ground Installation, Deduct	-0.58	
			For Double Coil (Helix), Add	9.12	
32 31 13 13-0686	LF		24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	15.53	0.73
			For >500 To 1,500, Deduct	-1.25	
			For >1,500 To 5,000, Deduct	-2.50	
			For >5,000, Deduct	-3.45	
			For Ground Installation, Deduct	-0.86	
			For Double Coil (Helix), Add	13.81	
32 31 13 13-0687	LF		24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	20.51	0.73
			For >500 To 1,500, Deduct	-1.65	
			For >1,500 To 5,000, Deduct	-3.31	
			For >5,000, Deduct	-4.56	
			For Ground Installation, Deduct	-1.14	
			For Double Coil (Helix), Add	18.23	
32 31 13 13-0688	LF		30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	33.86	0.73
			For >500 To 1,500, Deduct	-2.60	
			For >1,500 To 5,000, Deduct	-5.21	
			For >5,000, Deduct	-7.03	
			For Ground Installation, Deduct	-0.65	
			For Double Coil (Helix), Add	32.57	
32 31 13 13-0689	LF		30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	51.26	0.73
			For >500 To 1,500, Deduct	-3.94	
			For >1,500 To 5,000, Deduct	-7.88	
			For >5,000, Deduct	-10.64	
			For Ground Installation, Deduct	-0.97	
			For Double Coil (Helix), Add	49.32	
32 31 13 13-0690	LF		30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	67.72	0.73
			For >500 To 1,500, Deduct	-5.21	
			For >1,500 To 5,000, Deduct	-10.42	
			For >5,000, Deduct	-14.06	
			For Ground Installation, Deduct	-1.29	
			For Double Coil (Helix), Add	65.14	
32 31 13 13-0691			Stainless Steel Concertina (Razor) Wire, Single Coil (32 31 13 13-0673)		
32 31 13 13-0692	LF		18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	11.18	0.73
			For >500 To 1,500, Deduct	-0.89	
			For >1,500 To 5,000, Deduct	-1.78	
			For >5,000, Deduct	-2.44	
			For Ground Installation, Deduct	-0.52	
			For Double Coil (Helix), Add	10.15	
32 31 13 13-0693	LF		18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	16.91	0.73
			For >500 To 1,500, Deduct	-1.35	
			For >1,500 To 5,000, Deduct	-2.69	
			For >5,000, Deduct	-3.69	
			For Ground Installation, Deduct	-0.78	
			For Double Coil (Helix), Add	15.36	
32 31 13 13-0694	LF		18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	22.36	0.73
			For >500 To 1,500, Deduct	-1.78	
			For >1,500 To 5,000, Deduct	-3.56	
			For >5,000, Deduct	-4.89	
			For Ground Installation, Deduct	-1.04	
			For Double Coil (Helix), Add	20.29	
32 31 13 13-0695	LF		24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.83	0.73
			For >500 To 1,500, Deduct	-1.17	
			For >1,500 To 5,000, Deduct	-2.34	
			For >5,000, Deduct	-3.20	
			For Ground Installation, Deduct	-0.58	
			For Double Coil (Helix), Add	13.68	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0696	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	22.43	0.73
		For >500 To 1,500, Deduct	-1.77	
		For >1,500 To 5,000, Deduct	-3.54	
		For >5,000, Deduct	-4.83	
		For Ground Installation, Deduct	-0.86	
		For Double Coil (Helix), Add	20.71	
32 31 13 13-0697	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	29.62	0.73
		For >500 To 1,500, Deduct	-2.34	
		For >1,500 To 5,000, Deduct	-4.67	
		For >5,000, Deduct	-6.38	
		For Ground Installation, Deduct	-1.14	
		For Double Coil (Helix), Add	27.34	
32 31 13 13-0698	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	51.10	0.73
		For >500 To 1,500, Deduct	-3.90	
		For >1,500 To 5,000, Deduct	-7.79	
		For >5,000, Deduct	-10.48	
		For Ground Installation, Deduct	-0.65	
		For Double Coil (Helix), Add	49.81	
32 31 13 13-0699	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	77.38	0.73
		For >500 To 1,500, Deduct	-5.90	
		For >1,500 To 5,000, Deduct	-11.80	
		For >5,000, Deduct	-15.86	
		For Ground Installation, Deduct	-0.97	
		For Double Coil (Helix), Add	75.44	
32 31 13 13-0700	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	102.19	0.73
		For >500 To 1,500, Deduct	-7.79	
		For >1,500 To 5,000, Deduct	-15.59	
		For >5,000, Deduct	-20.96	
		For Ground Installation, Deduct	-1.29	
		For Double Coil (Helix), Add	99.61	
32 31 13 13-0701		Grounding For Gates (32 31 13 13-0672) Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0702		OPNG Grounding For Gates (Per Opening)	472.87	
32 31 13 13-0703		Coiled Spring Reinforcing Wire (32 31 13 13-0672)		
32 31 13 13-0704		Galvanized Steel (32 31 13 13-0703)		
32 31 13 13-0705	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	1.24	0.52
32 31 13 13-0706		Vinyl Coated Steel (32 31 13 13-0703)		
32 31 13 13-0707	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	1.24	0.52
32 31 13 13-0708		Bending Of Fabric Around Pipe Railings (32 31 13 13-0672) Note: Only where specified.		
32 31 13 13-0709	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.65	
32 31 13 13-0710	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.44	
32 31 13 13-0711		Mounting Plate With Anchors Or Bolts (32 31 13 13-0672) Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0712	EA	Mounting Plate For 1-5/8" Diameter Post	47.92	
32 31 13 13-0713	EA	Mounting Plate For 2" Diameter Post	48.72	
32 31 13 13-0714	EA	Mounting Plate For 2-1/2" Diameter Post	50.08	
32 31 13 13-0715	EA	Mounting Plate For 3" Diameter Post	60.46	
32 31 13 13-0716	EA	Mounting Plate For 4" Diameter Post	69.60	
32 31 13 13-0717	EA	Mounting Plate For 6-5/8" Diameter Post	80.73	
32 31 13 13-0718	EA	Mounting Plate For 8-5/8" Diameter Post	95.28	
32 31 13 13-0719		Tension Bar (32 31 13 13-0672)		
32 31 13 13-0720	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	17.45	
32 31 13 13-0721	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	18.58	
32 31 13 13-0722	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	23.05	
32 31 13 13-0723	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	26.76	
32 31 13 13-0724	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	31.70	
32 31 13 13-0725	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	36.87	
32 31 13 13-0726	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	41.70	
32 31 13 13-0727	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	50.18	
32 31 13 13-0728	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	60.07	
32 31 13 13-0729		Fence And Gate Repair And Replacement (32 31 13 13)		
32 31 13 13-0730		Fence And Gate Parts Replacement (32 31 13 13-0729)		
32 31 13 13-0731	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	134.93	
32 31 13 13-0732	EA	Sliding Gate Roller Assembly Replacement	131.43	
32 31 13 13-0733	EA	Rod And Lock Gate Keeper Replacement	134.81	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0734	EA	Galvanized Gate Holdback Replacement	29.44	
32 31 13 13-0735	LF	3/8" Cross Bracing Rod Replacement	1.74	
32 31 13 13-0736	LF	1-5/8" Diagonal Pipe Bracing Replacement.....	2.71	
32 31 13 13-0737	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	28.20	
32 31 13 13-0738	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	32.21	
32 31 13 13-0739	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	36.34	
32 31 13 13-0740	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	53.99	
32 31 13 13-0741	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	111.74	
32 31 13 13-0742	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	27.85	
32 31 13 13-0743	EA	3" x 2" Off Set Gate Hinge Replacement	29.06	
32 31 13 13-0744	EA	4" x 2" Off Set Gate Hinge Replacement	30.99	
32 31 13 13-0745	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	51.09	
32 31 13 13-0746	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	80.89	
32 31 13 13-0747	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement.....	6.06	
32 31 13 13-0748	EA	2" Aluminum Die-Cast Post Cap Replacement	6.65	
32 31 13 13-0749	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement.....	7.78	
32 31 13 13-0750	EA	3" Aluminum Die-Cast Post Cap Replacement.....	9.07	
32 31 13 13-0751	EA	2" Galvanized Post Cap Replacement.....	6.79	
32 31 13 13-0752	EA	2-1/2" Galvanized Post Cap Replacement.....	7.35	
32 31 13 13-0753	EA	3" Galvanized Post Cap Replacement.....	8.43	
32 31 13 13-0754	EA	4" Galvanized Post Cap Replacement.....	12.64	
32 31 13 13-0755	EA	6-5/8" Galvanized Post Cap Replacement.....	24.12	
32 31 13 13-0756	EA	8-5/8" Galvanized Post Cap Replacement.....	39.75	
32 31 13 13-0757	EA	1-5/8" Boulevard Clamp Replacement.....	11.28	
32 31 13 13-0758	EA	2" Boulevard Clamp Replacement.....	13.76	
32 31 13 13-0759	EA	2-1/2" Boulevard Clamp Replacement.....	16.14	
32 31 13 13-0760	EA	3" Boulevard Clamp Replacement.....	19.59	
32 31 13 13-0761	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	11.05	
32 31 13 13-0762	EA	2" Gate Brace Or End Rail Clamp Replacement	13.44	
32 31 13 13-0763	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	15.82	
32 31 13 13-0764	EA	3" Gate Brace Or End Rail Clamp Replacement	19.25	
32 31 13 13-0765	EA	1-3/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.36	
32 31 13 13-0766	EA	1-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.46	
32 31 13 13-0767	EA	2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.74	
32 31 13 13-0768	EA	2-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.61	
32 31 13 13-0769	EA	3" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.82	
32 31 13 13-0770	EA	3-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.99	
32 31 13 13-0771	EA	4" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.48	
32 31 13 13-0772	EA	6-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	16.08	
32 31 13 13-0773		Removal And Reinstallation Of Chain Link Fences (32 31 13 13) Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0058 for new fence posts where required.		
32 31 13 13-0774	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	20.70	
32 31 13 13-0775	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	31.05	
32 31 13 13-0776		Ballfield Fencing (32 31 13 13) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 13-0777		Concrete Bases For Ballfield Poles, Cast In Place (32 31 13 13-0776) Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.		
32 31 13 13-0778	VLF	2-1/2" Diameter Concrete Base For Ballfield Poles.....	139.29	
32 31 13 13-0779	VLF	3" Diameter Concrete Base For Ballfield Poles	165.66	
32 31 13 13-0780	VLF	3-1/2" Diameter Concrete Base For Ballfield Poles.....	209.70	
32 31 13 13-0781	VLF	4" Diameter Concrete Base For Ballfield Poles	249.10	
32 31 13 13-0782		Ballfield Poles (32 31 13 13-0776)		
32 31 13 13-0783	EA	20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting	8,371.13	719.61
		Note: 10' above grade		
32 31 13 13-0784	EA	25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting	10,384.32	899.51
		Note: 15' above grade		
32 31 13 13-0785	EA	30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting	11,935.83	1,079.41
		Note: 20' above grade		
32 31 13 13-0786	EA	40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting	16,041.33	1,259.32
		Note: 30' above grade		
32 31 13 13-0787	EA	50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting	21,490.90	1,439.22
		Note: 40' above grade		
32 31 13 13-0788	EA	60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting	24,015.79	1,619.12
		Note: 50' above grade		
32 31 13 13-0789		Ballfield Nylon Netting (32 31 13 13-0776) Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0790	LF	10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.87	
32 31 13 13-0791	LF	10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.91	
32 31 13 13-0792	LF	10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.14	
32 31 13 13-0793	LF	10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.41	
32 31 13 13-0794	LF	10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.67	
32 31 13 13-0795	LF	10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	3.56	
32 31 13 13-0796	LF	10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	4.04	
32 31 13 13-0797	LF	10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	5.24	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 13 13-0798		Ballfield Chainlink Netting (32 31 13 13-0776)		
		Note: Excludes fastening clips and cabling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0799	SF	#9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting	3.98	1.32
		For 13 Gauge Fabric, Deduct	-0.60	
		For 11 Gauge Fabric, Deduct	-0.34	
		For 6 Gauge Fabric, Add	1.07	
		For 1" Mesh Fabric, Add	1.01	
		For 1-3/4" Mesh Fabric, Add	0.40	
		For 2-1/8" Mesh Fabric, Deduct	-0.20	
		For 2-3/8" Mesh Fabric, Deduct	-0.27	
32 31 13 13-0800		Ballfield Netting Accessories (32 31 13 13-0776)		
32 31 13 13-0801	EA	Sliding Clip For Ballfield Netting	9.19	
32 31 13 13-0802	EA	1/4" Utility Spring Swing Clip For Ballfield Netting	4.14	
32 31 13 13-0803	EA	5/16" Utility Spring Swing Clip For Ballfield Netting	4.34	
32 31 13 13-0804	EA	3/8" Utility Spring Swing Clip For Ballfield Netting	4.65	
32 31 16		Welded Wire Fences and Gates (32 31)		
32 31 16 00-0001		Welded Wire Fence (32 31 16)		
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh (32 31 16 00-0001)		
		Note: Posts 5' on center.		
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	10.35	1.86
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	11.19	1.86
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001)		
		Note: Posts 5' on center.		
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.18	1.86
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.92	1.86
32 31 19		Decorative Metal Fences and Gates (32 31)		
		See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001		Wrought Iron Fence (32 31 19)		
		Note: Factory primed.		
32 31 19 00-0002		Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center (32 31 19 00-0001)		
		Note: Factory primed 8 foot long panel sections.		
32 31 19 00-0003	LF	3' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	45.49	11.39
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	8.42	
		For Verticals Up To 2" On Center, Add	7.27	
		For Verticals >2" To 2-1/2" On Center, Add	4.54	
		For Verticals >2-1/2" To 3" On Center, Add	1.82	
		For Verticals >4" To 6" On Center, Deduct	-2.04	
		For Pickets Extending Above Top Rail, Add	3.98	
		For Curved Pickets Extending Above Top Rail, Add	9.09	
32 31 19 00-0004	LF	4' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	58.08	14.49
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	10.67	
		For Verticals Up To 2" On Center, Add	9.64	
		For Verticals >2" To 2-1/2" On Center, Add	6.02	
		For Verticals >2-1/2" To 3" On Center, Add	2.41	
		For Verticals >4" To 6" On Center, Deduct	-2.71	
		For Pickets Extending Above Top Rail, Add	5.16	
		For Curved Pickets Extending Above Top Rail, Add	11.89	
32 31 19 00-0005	LF	5' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	68.41	15.11
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	12.39	
		For Verticals Up To 2" On Center, Add	12.15	
		For Verticals >2" To 2-1/2" On Center, Add	7.60	
		For Verticals >2-1/2" To 3" On Center, Add	3.04	
		For Verticals >4" To 6" On Center, Deduct	-3.42	
		For Pickets Extending Above Top Rail, Add	6.27	
		For Curved Pickets Extending Above Top Rail, Add	14.63	
32 31 19 00-0006	LF	6' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	82.75	18.22
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	14.97	
		For Verticals Up To 2" On Center, Add	14.80	
		For Verticals >2" To 2-1/2" On Center, Add	9.25	
		For Verticals >2-1/2" To 3" On Center, Add	3.70	
		For Verticals >4" To 6" On Center, Deduct	-4.16	
		For Pickets Extending Above Top Rail, Add	7.61	
		For Curved Pickets Extending Above Top Rail, Add	17.77	
32 31 19 00-0007	LF	7' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	96.02	19.28
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	17.10	
		For Verticals Up To 2" On Center, Add	18.39	
		For Verticals >2" To 2-1/2" On Center, Add	11.49	
		For Verticals >2-1/2" To 3" On Center, Add	4.60	
		For Verticals >4" To 6" On Center, Deduct	-5.17	
		For Pickets Extending Above Top Rail, Add	9.11	
		For Curved Pickets Extending Above Top Rail, Add	21.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0008	LF		8' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	109.26	20.28
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	19.23	
			For Verticals Up To 2" On Center, Add	21.98	
			For Verticals >2" To 2-1/2" On Center, Add	13.74	
			For Verticals >2-1/2" To 3" On Center, Add	5.50	
			For Verticals >4" To 6" On Center, Deduct	-6.18	
			For Pickets Extending Above Top Rail, Add	10.61	
			For Curved Pickets Extending Above Top Rail, Add	25.37	
32 31 19 00-0009	LF		10' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	132.07	22.77
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	23.00	
			For Verticals Up To 2" On Center, Add	27.69	
			For Verticals >2" To 2-1/2" On Center, Add	17.31	
			For Verticals >2-1/2" To 3" On Center, Add	6.92	
			For Verticals >4" To 6" On Center, Deduct	-7.79	
			For Pickets Extending Above Top Rail, Add	13.09	
			For Curved Pickets Extending Above Top Rail, Add	31.54	
32 31 19 00-0010	LF		12' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	155.66	25.88
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	26.97	
			For Verticals Up To 2" On Center, Add	33.25	
			For Verticals >2" To 2-1/2" On Center, Add	20.78	
			For Verticals >2-1/2" To 3" On Center, Add	8.31	
			For Verticals >4" To 6" On Center, Deduct	-9.35	
			For Pickets Extending Above Top Rail, Add	15.58	
			For Curved Pickets Extending Above Top Rail, Add	37.65	
32 31 19 00-0011			Wrought Iron Gates (32 31 19 00-0001)		
			Note: Factory primed.		
32 31 19 00-0012			Single Wrought Iron Gates (32 31 19 00-0011)		
			Note: Factory primed.		
32 31 19 00-0013	LF		3' Single Wrought Iron Gate, Hardware And Associated Trim	55.78	13.87
32 31 19 00-0014	LF		4' Single Wrought Iron Gate, Hardware And Associated Trim	73.17	17.18
32 31 19 00-0015	LF		5' Single Wrought Iron Gate, Hardware And Associated Trim	89.04	20.70
32 31 19 00-0016	LF		6' Single Wrought Iron Gate, Hardware And Associated Trim	108.07	24.84
32 31 19 00-0017	LF		8' Single Wrought Iron Gate, Hardware And Associated Trim	142.53	27.53
32 31 19 00-0018	LF		10' Single Wrought Iron Gate, Hardware And Associated Trim	171.27	30.43
32 31 19 00-0019	LF		12' Single Wrought Iron Gate, Hardware And Associated Trim	199.50	34.57
32 31 19 00-0020			Double Wrought Iron Gates (32 31 19 00-0011)		
			Note: Factory primed.		
32 31 19 00-0021	LF		3' Double Wrought Iron Gate, Hardware And Associated Trim	67.96	12.42
32 31 19 00-0022	LF		4' Double Wrought Iron Gate, Hardware And Associated Trim	89.02	15.52
32 31 19 00-0023	LF		5' Double Wrought Iron Gate, Hardware And Associated Trim	107.87	18.63
32 31 19 00-0024	LF		6' Double Wrought Iron Gate, Hardware And Associated Trim	130.50	22.36
32 31 19 00-0025	LF		8' Double Wrought Iron Gate, Hardware And Associated Trim	172.92	24.84
32 31 19 00-0026	LF		10' Double Wrought Iron Gate, Hardware And Associated Trim	208.16	27.33
32 31 19 00-0027	LF		12' Double Wrought Iron Gate, Hardware And Associated Trim	242.93	31.05
32 31 19 00-0028			Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)		
32 31 19 00-0029	LF		Removal And Replacement Of Wrought Iron Picket	19.53	
32 31 19 00-0030	LF		Removal And Replacement Of Wrought Iron Post	28.71	
32 31 19 00-0031	EA		Straighten Wrought Iron Post	82.81	
32 31 19 00-0032			Steel Tube Fence, Powder Coated (32 31 19)		
			Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033			Steel Tube Fence, 2 Rail (32 31 19 00-0032)		
			Note: 6 foot long panel sections.		
32 31 19 00-0034	LF		3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	81.18	11.39
			For Verticals Up To 2" On Center, Add	11.77	
			For Verticals >2" To 2-1/2" On Center, Add	5.89	
			For Verticals >3" To 4" On Center, Deduct	-5.89	
			For Verticals >4" To 6" On Center, Deduct	-11.77	
			For Pickets Extending Above Top Rail, Add	6.12	
			For Curved Pickets Extending Above Top Rail, Add	10.80	
			For Solid Pickets, Add	16.59	
			For Aluminum With Satin Finish, Add	14.31	
			For Third Rail, Add	4.42	
			For 1" Square x 14 Gauge Pickets, Add	14.72	
			For 3" Square Posts, Add	7.36	
32 31 19 00-0035	LF		3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	86.80	12.17
			For Verticals Up To 2" On Center, Add	12.49	
			For Verticals >2" To 2-1/2" On Center, Add	6.25	
			For Verticals >3" To 4" On Center, Deduct	-6.25	
			For Verticals >4" To 6" On Center, Deduct	-12.49	
			For Pickets Extending Above Top Rail, Add	6.53	
			For Curved Pickets Extending Above Top Rail, Add	11.51	
			For Solid Pickets, Add	17.70	
			For Aluminum With Satin Finish, Add	15.09	
			For Third Rail, Add	4.68	
			For 1" Square x 14 Gauge Pickets, Add	15.62	
			For 3" Square Posts, Add	7.81	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	91.76	13.46
		For Verticals Up To 2" On Center, Add	13.08	
		For Verticals >2" To 2-1/2" On Center, Add	6.54	
		For Verticals >3" To 4" On Center, Deduct	-6.54	
		For Verticals >4" To 6" On Center, Deduct	-13.08	
		For Pickets Extending Above Top Rail, Add	6.88	
		For Curved Pickets Extending Above Top Rail, Add	12.11	
		For Solid Pickets, Add	18.67	
		For Aluminum With Satin Finish, Add	15.66	
		For Third Rail, Add	4.90	
		For 1" Square x 14 Gauge Pickets, Add	16.35	
		For 3" Square Posts, Add	8.17	
32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	97.46	15.11
		For Verticals Up To 2" On Center, Add	13.41	
		For Verticals >2" To 2-1/2" On Center, Add	6.70	
		For Verticals >3" To 4" On Center, Deduct	-6.70	
		For Verticals >4" To 6" On Center, Deduct	-13.41	
		For Pickets Extending Above Top Rail, Add	7.22	
		For Curved Pickets Extending Above Top Rail, Add	12.67	
		For Solid Pickets, Add	19.65	
		For Aluminum With Satin Finish, Add	15.54	
		For Third Rail, Add	5.03	
		For 1" Square x 14 Gauge Pickets, Add	16.76	
		For 3" Square Posts, Add	8.38	
32 31 19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	113.16	17.07
		For Verticals Up To 2" On Center, Add	15.80	
		For Verticals >2" To 2-1/2" On Center, Add	7.90	
		For Verticals >3" To 4" On Center, Deduct	-7.90	
		For Verticals >4" To 6" On Center, Deduct	-15.80	
		For Pickets Extending Above Top Rail, Add	8.42	
		For Curved Pickets Extending Above Top Rail, Add	14.81	
		For Solid Pickets, Add	22.90	
		For Aluminum With Satin Finish, Add	18.58	
		For Third Rail, Add	5.93	
		For 1" Square x 14 Gauge Pickets, Add	19.75	
		For 3" Square Posts, Add	9.88	
32 31 19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	129.81	18.63
		For Verticals Up To 2" On Center, Add	18.51	
		For Verticals >2" To 2-1/2" On Center, Add	9.26	
		For Verticals >3" To 4" On Center, Deduct	-9.26	
		For Verticals >4" To 6" On Center, Deduct	-18.51	
		For Pickets Extending Above Top Rail, Add	9.73	
		For Curved Pickets Extending Above Top Rail, Add	17.14	
		For Solid Pickets, Add	26.41	
		For Aluminum With Satin Finish, Add	22.18	
		For Third Rail, Add	6.94	
		For 1" Square x 14 Gauge Pickets, Add	23.14	
		For 4" Square Posts, Add	32.39	
32 31 19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	146.68	20.28
		For Verticals Up To 2" On Center, Add	21.22	
		For Verticals >2" To 2-1/2" On Center, Add	10.61	
		For Verticals >3" To 4" On Center, Deduct	-10.61	
		For Verticals >4" To 6" On Center, Deduct	-21.22	
		For Pickets Extending Above Top Rail, Add	11.05	
		For Curved Pickets Extending Above Top Rail, Add	19.49	
		For Solid Pickets, Add	29.96	
		For Aluminum With Satin Finish, Add	25.75	
		For Third Rail, Add	7.96	
		For 1" Square x 14 Gauge Pickets, Add	26.53	
		For 4" Square Posts, Add	37.14	
32 31 19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	171.06	21.74
		For Verticals Up To 2" On Center, Add	25.52	
		For Verticals >2" To 2-1/2" On Center, Add	12.76	
		For Verticals >3" To 4" On Center, Deduct	-12.76	
		For Verticals >4" To 6" On Center, Deduct	-25.52	
		For Pickets Extending Above Top Rail, Add	13.02	
		For Curved Pickets Extending Above Top Rail, Add	23.04	
		For Solid Pickets, Add	35.23	
		For Aluminum With Satin Finish, Add	31.76	
		For Third Rail, Add	9.57	
		For 1" Square x 14 Gauge Pickets, Add	31.90	
		For 4" Square Posts, Add	44.66	
32 31 19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	195.64	23.29
		For Verticals Up To 2" On Center, Add	29.81	
		For Verticals >2" To 2-1/2" On Center, Add	14.91	
		For Verticals >3" To 4" On Center, Deduct	-14.91	
		For Verticals >4" To 6" On Center, Deduct	-29.81	
		For Pickets Extending Above Top Rail, Add	15.00	
		For Curved Pickets Extending Above Top Rail, Add	26.60	
		For Solid Pickets, Add	40.53	
		For Aluminum With Satin Finish, Add	37.74	
		For Third Rail, Add	11.18	
		For 1" Square x 14 Gauge Pickets, Add	37.27	
		For 6" Square Posts, Add	52.17	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	230.90	25.88
		For Verticals Up To 2" On Center, Add	35.83	
		For Verticals >2" To 2-1/2" On Center, Add	17.91	
		For Verticals >3" To 4" On Center, Deduct	-17.91	
		For Verticals >4" To 6" On Center, Deduct	-35.83	
		For Pickets Extending Above Top Rail, Add	17.81	
		For Curved Pickets Extending Above Top Rail, Add	31.65	
		For Solid Pickets, Add	48.07	
		For Aluminum With Satin Finish, Add	45.98	
		For Third Rail, Add	13.44	
		For 1" Square x 14 Gauge Pickets, Add	44.79	
		For 6" Square Posts, Add	62.70	
32 31 19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	247.27	27.94
		For Verticals Up To 2" On Center, Add	38.27	
		For Verticals >2" To 2-1/2" On Center, Add	19.14	
		For Verticals >3" To 4" On Center, Deduct	-19.14	
		For Verticals >4" To 6" On Center, Deduct	-38.27	
		For Pickets Extending Above Top Rail, Add	19.06	
		For Curved Pickets Extending Above Top Rail, Add	33.85	
		For Solid Pickets, Add	51.44	
		For Aluminum With Satin Finish, Add	49.03	
		For Third Rail, Add	14.35	
		For 1" Square x 14 Gauge Pickets, Add	47.84	
		For 6" Square Posts, Add	66.98	
32 31 19 00-0045		Steel Tube Swing Gates (32 31 19 00-0032)		
32 31 19 00-0046		3' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate	790.07	22.04
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	172.80	
		For Aluminum With Satin Finish, Add	207.21	
		For Third Rail, Add	54.29	
		For 1" Square x 14 Gauge Pickets, Add	72.38	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate	879.49	23.08
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	192.68	
		For Aluminum With Satin Finish, Add	232.64	
		For Third Rail, Add	60.76	
		For 1" Square x 14 Gauge Pickets, Add	81.01	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate	973.85	24.43
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	213.61	
		For Aluminum With Satin Finish, Add	259.09	
		For Third Rail, Add	67.53	
		For 1" Square x 14 Gauge Pickets, Add	90.04	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate	1,024.16	26.18
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	224.54	
		For Aluminum With Satin Finish, Add	271.85	
		For Third Rail, Add	70.91	
		For 1" Square x 14 Gauge Pickets, Add	94.55	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate	1,143.65	31.36
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	250.26	
		For Aluminum With Satin Finish, Add	300.71	
		For Third Rail, Add	78.71	
		For 1" Square x 14 Gauge Pickets, Add	104.95	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate	1,216.06	36.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	265.38	
		For Aluminum With Satin Finish, Add	315.44	
		For Third Rail, Add	82.98	
		For 1" Square x 14 Gauge Pickets, Add	110.63	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	1,326.77	42.02
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	289.05	
		For Aluminum With Satin Finish, Add	341.21	
		For Third Rail, Add	90.04	
		For 1" Square x 14 Gauge Pickets, Add	120.05	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate	1,422.72	47.20
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	309.48	
		For Aluminum With Satin Finish, Add	363.01	
		For Third Rail, Add	96.07	
		For 1" Square x 14 Gauge Pickets, Add	128.09	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	1,506.90	52.37
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	327.25	
		For Aluminum With Satin Finish, Add	381.28	
		For Third Rail, Add	101.22	
		For 1" Square x 14 Gauge Pickets, Add	134.96	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,652.53	44.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	361.88	
		For Aluminum With Satin Finish, Add	436.14	
		For Third Rail, Add	114.00	
		For 1" Square x 14 Gauge Pickets, Add	152.00	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 19 00-0057	EA 7' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,760.93		46.16
	For Solid Pickets, Add	385.81		
	For Aluminum With Satin Finish, Add	465.87		
	For Third Rail, Add	121.67		
	For 1" Square x 14 Gauge Pickets, Add	162.22		
32 31 19 00-0058	EA 8' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,947.72		48.95
	For Solid Pickets, Add	427.21		
	For Aluminum With Satin Finish, Add	518.18		
	For Third Rail, Add	135.06		
	For 1" Square x 14 Gauge Pickets, Add	180.08		
32 31 19 00-0059	EA 9' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,041.17		50.71
	For Solid Pickets, Add	447.85		
	For Aluminum With Satin Finish, Add	543.88		
	For Third Rail, Add	141.68		
	For 1" Square x 14 Gauge Pickets, Add	188.90		
32 31 19 00-0060	EA 10' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,116.96		52.37
	For Solid Pickets, Add	464.52		
	For Aluminum With Satin Finish, Add	564.29		
	For Third Rail, Add	146.97		
	For 1" Square x 14 Gauge Pickets, Add	195.96		
32 31 19 00-0061	EA 12' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,381.44		62.73
	For Solid Pickets, Add	521.70		
	For Aluminum With Satin Finish, Add	629.67		
	For Third Rail, Add	164.48		
	For 1" Square x 14 Gauge Pickets, Add	219.31		
32 31 19 00-0062	EA 14' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,608.65		73.07
	For Solid Pickets, Add	570.49		
	For Aluminum With Satin Finish, Add	683.86		
	For Third Rail, Add	179.19		
	For 1" Square x 14 Gauge Pickets, Add	238.92		
32 31 19 00-0063	EA 16' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,798.71		84.15
	For Solid Pickets, Add	610.77		
	For Aluminum With Satin Finish, Add	725.97		
	For Third Rail, Add	190.96		
	For 1" Square x 14 Gauge Pickets, Add	254.62		
32 31 19 00-0064	EA 18' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,957.26		94.39
	For Solid Pickets, Add	644.11		
	For Aluminum With Satin Finish, Add	759.56		
	For Third Rail, Add	200.52		
	For 1" Square x 14 Gauge Pickets, Add	267.37		
32 31 19 00-0065	EA 20' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,086.38		104.75
	For Solid Pickets, Add	670.84		
	For Aluminum With Satin Finish, Add	784.33		
	For Third Rail, Add	207.88		
	For 1" Square x 14 Gauge Pickets, Add	277.17		
32 31 19 00-0066	4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)			
32 31 19 00-0067	EA 3' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	913.35		20.70
	For Solid Pickets, Add	200.26		
	For Aluminum With Satin Finish, Add	242.57		
	For Third Rail, Add	63.26		
	For 1" Square x 14 Gauge Pickets, Add	84.35		
32 31 19 00-0068	EA 3'-6" Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	988.52		24.12
	For Solid Pickets, Add	216.98		
	For Aluminum With Satin Finish, Add	263.95		
	For Third Rail, Add	68.71		
	For 1" Square x 14 Gauge Pickets, Add	91.61		
32 31 19 00-0069	EA 4' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,066.27		25.88
	For Solid Pickets, Add	234.09		
	For Aluminum With Satin Finish, Add	284.95		
	For Third Rail, Add	74.15		
	For 1" Square x 14 Gauge Pickets, Add	98.87		
32 31 19 00-0070	EA 5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,130.30		27.53
	For Solid Pickets, Add	248.11		
	For Aluminum With Satin Finish, Add	301.83		
	For Third Rail, Add	78.56		
	For 1" Square x 14 Gauge Pickets, Add	104.75		
32 31 19 00-0071	EA 6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,217.47		33.12
	For Solid Pickets, Add	266.48		
	For Aluminum With Satin Finish, Add	320.53		
	For Third Rail, Add	83.86		
	For 1" Square x 14 Gauge Pickets, Add	111.81		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0072	EA		7' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,336.04	38.61
			For Solid Pickets, Add	291.92	
			For Aluminum With Satin Finish, Add	348.65	
			For Third Rail, Add	91.51	
			For 1" Square x 14 Gauge Pickets, Add	122.01	
32 31 19 00-0073	EA		8' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,499.73	44.09
			For Solid Pickets, Add	327.50	
			For Aluminum With Satin Finish, Add	390.30	
			For Third Rail, Add	102.54	
			For 1" Square x 14 Gauge Pickets, Add	136.72	
32 31 19 00-0074	EA		9' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,659.47	49.68
			For Solid Pickets, Add	362.20	
			For Aluminum With Satin Finish, Add	430.77	
			For Third Rail, Add	113.28	
			For 1" Square x 14 Gauge Pickets, Add	151.04	
32 31 19 00-0075	EA		10' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,811.38	55.17
			For Solid Pickets, Add	395.14	
			For Aluminum With Satin Finish, Add	468.89	
			For Third Rail, Add	123.43	
			For 1" Square x 14 Gauge Pickets, Add	164.58	
32 31 19 00-0076	EA		6' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,826.70	46.57
			For Solid Pickets, Add	400.53	
			For Aluminum With Satin Finish, Add	485.14	
			For Third Rail, Add	126.52	
			For 1" Square x 14 Gauge Pickets, Add	168.70	
32 31 19 00-0077	EA		7' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,977.03	48.23
			For Solid Pickets, Add	433.96	
			For Aluminum With Satin Finish, Add	527.90	
			For Third Rail, Add	137.41	
			For 1" Square x 14 Gauge Pickets, Add	183.21	
32 31 19 00-0078	EA		8' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,132.55	51.76
			For Solid Pickets, Add	468.18	
			For Aluminum With Satin Finish, Add	569.90	
			For Third Rail, Add	148.30	
			For 1" Square x 14 Gauge Pickets, Add	197.73	
32 31 19 00-0079	EA		9' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,255.42	53.41
			For Solid Pickets, Add	495.44	
			For Aluminum With Satin Finish, Add	604.43	
			For Third Rail, Add	157.12	
			For 1" Square x 14 Gauge Pickets, Add	209.50	
32 31 19 00-0080	EA		10' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,358.67	55.17
			For Solid Pickets, Add	518.28	
			For Aluminum With Satin Finish, Add	633.08	
			For Third Rail, Add	164.48	
			For 1" Square x 14 Gauge Pickets, Add	219.31	
32 31 19 00-0081	EA		12' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,676.23	66.14
			For Solid Pickets, Add	587.25	
			For Aluminum With Satin Finish, Add	713.44	
			For Third Rail, Add	185.81	
			For 1" Square x 14 Gauge Pickets, Add	247.75	
32 31 19 00-0082	EA		14' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,954.55	77.21
			For Solid Pickets, Add	647.39	
			For Aluminum With Satin Finish, Add	782.03	
			For Third Rail, Add	204.20	
			For 1" Square x 14 Gauge Pickets, Add	272.27	
32 31 19 00-0083	EA		16' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,195.59	88.18
			For Solid Pickets, Add	699.14	
			For Aluminum With Satin Finish, Add	839.45	
			For Third Rail, Add	219.80	
			For 1" Square x 14 Gauge Pickets, Add	293.06	
32 31 19 00-0084	EA		18' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,403.30	99.26
			For Solid Pickets, Add	743.39	
			For Aluminum With Satin Finish, Add	886.85	
			For Third Rail, Add	232.89	
			For 1" Square x 14 Gauge Pickets, Add	310.52	
32 31 19 00-0085	EA		20' Wide x 4' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,579.61	110.33
			For Solid Pickets, Add	780.57	
			For Aluminum With Satin Finish, Add	924.84	
			For Third Rail, Add	243.63	
			For 1" Square x 14 Gauge Pickets, Add	324.84	

32 31 19 00-0086 5' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate	994.40	24.12
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	218.31	
		For Aluminum With Satin Finish, Add	265.72	
		For Third Rail, Add	69.15	
		For 1" Square x 14 Gauge Pickets, Add	92.20	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate	1,048.61	25.88
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	230.12	
		For Aluminum With Satin Finish, Add	279.65	
		For Third Rail, Add	72.82	
		For 1" Square x 14 Gauge Pickets, Add	97.10	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate	1,100.88	27.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	241.49	
		For Aluminum With Satin Finish, Add	293.00	
		For Third Rail, Add	76.36	
		For 1" Square x 14 Gauge Pickets, Add	101.81	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate	1,176.67	29.29
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	258.15	
		For Aluminum With Satin Finish, Add	313.41	
		For Third Rail, Add	81.65	
		For 1" Square x 14 Gauge Pickets, Add	108.87	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate	1,278.62	35.19
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	279.77	
		For Aluminum With Satin Finish, Add	336.08	
		For Third Rail, Add	87.98	
		For 1" Square x 14 Gauge Pickets, Add	117.30	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate	1,413.90	40.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	308.89	
		For Aluminum With Satin Finish, Add	368.74	
		For Third Rail, Add	96.80	
		For 1" Square x 14 Gauge Pickets, Add	129.07	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate	1,603.20	47.20
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	350.08	
		For Aluminum With Satin Finish, Add	417.15	
		For Third Rail, Add	109.60	
		For 1" Square x 14 Gauge Pickets, Add	146.14	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate	1,787.52	53.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	390.24	
		For Aluminum With Satin Finish, Add	464.53	
		For Third Rail, Add	122.11	
		For 1" Square x 14 Gauge Pickets, Add	162.81	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate	1,967.93	58.89
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	429.51	
		For Aluminum With Satin Finish, Add	510.73	
		For Third Rail, Add	134.32	
		For 1" Square x 14 Gauge Pickets, Add	179.09	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate	1,960.03	40.67
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	432.30	
		For Aluminum With Satin Finish, Add	535.75	
		For Third Rail, Add	138.29	
		For 1" Square x 14 Gauge Pickets, Add	184.39	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate	2,075.50	47.40
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	456.83	
		For Aluminum With Satin Finish, Add	561.68	
		For Third Rail, Add	145.50	
		For 1" Square x 14 Gauge Pickets, Add	194.00	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate	2,192.12	54.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	481.53	
		For Aluminum With Satin Finish, Add	587.45	
		For Third Rail, Add	152.71	
		For 1" Square x 14 Gauge Pickets, Add	203.61	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate	2,352.72	61.38
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	516.21	
		For Aluminum With Satin Finish, Add	626.91	
		For Third Rail, Add	163.30	
		For 1" Square x 14 Gauge Pickets, Add	217.74	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate	2,493.69	68.10
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	546.48	
		For Aluminum With Satin Finish, Add	660.50	
		For Third Rail, Add	172.43	
		For 1" Square x 14 Gauge Pickets, Add	229.90	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate	2,838.97	75.76
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	622.55	
		For Aluminum With Satin Finish, Add	754.35	
		For Third Rail, Add	196.70	
		For 1" Square x 14 Gauge Pickets, Add	262.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0102	EA		14' Wide x 5' High Steel Tube Double Swing Gate.....	3,149.28	84.04
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	690.57	
			For Aluminum With Satin Finish, Add	836.68	
			For Third Rail, Add	218.18	
			For 1" Square x 14 Gauge Pickets, Add	290.91	
32 31 19 00-0103	EA		16' Wide x 5' High Steel Tube Double Swing Gate.....	3,426.55	93.26
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	750.99	
			For Aluminum With Satin Finish, Add	908.08	
			For Third Rail, Add	237.01	
			For 1" Square x 14 Gauge Pickets, Add	316.01	
32 31 19 00-0104	EA		18' Wide x 5' High Steel Tube Double Swing Gate.....	3,675.85	103.60
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	804.87	
			For Aluminum With Satin Finish, Add	969.55	
			For Third Rail, Add	253.49	
			For 1" Square x 14 Gauge Pickets, Add	337.98	
32 31 19 00-0105	EA		20' Wide x 5' High Steel Tube Double Swing Gate.....	3,897.19	115.20
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	852.19	
			For Aluminum With Satin Finish, Add	1,021.09	
			For Third Rail, Add	267.61	
			For 1" Square x 14 Gauge Pickets, Add	356.82	
32 31 19 00-0106			6' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0107	EA		3' Wide x 6' High Steel Tube Single Swing Gate	1,035.00	26.50
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	226.90	
			For Aluminum With Satin Finish, Add	274.64	
			For Third Rail, Add	71.65	
			For 1" Square x 14 Gauge Pickets, Add	95.53	
32 31 19 00-0108	EA		3'-6" Wide x 6' High Steel Tube Single Swing Gate.....	1,088.18	27.94
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	238.55	
			For Aluminum With Satin Finish, Add	288.73	
			For Third Rail, Add	75.33	
			For 1" Square x 14 Gauge Pickets, Add	100.43	
32 31 19 00-0109	EA		4' Wide x 6' High Steel Tube Single Swing Gate	1,142.10	29.50
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	250.32	
			For Aluminum With Satin Finish, Add	302.71	
			For Third Rail, Add	79.00	
			For 1" Square x 14 Gauge Pickets, Add	105.34	
32 31 19 00-0110	EA		5' Wide x 6' High Steel Tube Single Swing Gate	1,208.38	31.36
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	264.82	
			For Aluminum With Satin Finish, Add	320.13	
			For Third Rail, Add	83.56	
			For 1" Square x 14 Gauge Pickets, Add	111.42	
32 31 19 00-0111	EA		6' Wide x 6' High Steel Tube Single Swing Gate	1,355.54	37.88
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	296.46	
			For Aluminum With Satin Finish, Add	355.43	
			For Third Rail, Add	93.13	
			For 1" Square x 14 Gauge Pickets, Add	124.17	
32 31 19 00-0112	EA		7' Wide x 6' High Steel Tube Single Swing Gate	1,512.51	44.51
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	330.30	
			For Aluminum With Satin Finish, Add	393.67	
			For Third Rail, Add	103.43	
			For 1" Square x 14 Gauge Pickets, Add	137.90	
32 31 19 00-0113	EA		8' Wide x 6' High Steel Tube Single Swing Gate	1,688.07	50.71
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	368.41	
			For Aluminum With Satin Finish, Add	437.96	
			For Third Rail, Add	115.19	
			For 1" Square x 14 Gauge Pickets, Add	153.59	
32 31 19 00-0114	EA		9' Wide x 6' High Steel Tube Single Swing Gate	1,856.83	57.24
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	404.90	
			For Aluminum With Satin Finish, Add	479.73	
			For Third Rail, Add	126.38	
			For 1" Square x 14 Gauge Pickets, Add	168.50	
32 31 19 00-0115	EA		10' Wide x 6' High Steel Tube Single Swing Gate	2,062.84	63.76
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	449.78	
			For Aluminum With Satin Finish, Add	532.69	
			For Third Rail, Add	140.35	
			For 1" Square x 14 Gauge Pickets, Add	187.14	
32 31 19 00-0116	EA		6' Wide x 6' High Steel Tube Double Swing Gate.....	2,035.84	43.88
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	448.67	
			For Aluminum With Satin Finish, Add	554.39	
			For Third Rail, Add	143.30	
			For 1" Square x 14 Gauge Pickets, Add	191.06	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate	2,155.55		51.44
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	473.98		
		For Aluminum With Satin Finish, Add	580.57		
		For Third Rail, Add	150.65		
		For 1" Square x 14 Gauge Pickets, Add	200.87		
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate	2,274.12		58.58
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	499.13		
		For Aluminum With Satin Finish, Add	606.92		
		For Third Rail, Add	158.01		
		For 1" Square x 14 Gauge Pickets, Add	210.68		
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate	2,417.38		66.14
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	529.74		
		For Aluminum With Satin Finish, Add	640.16		
		For Third Rail, Add	167.13		
		For 1" Square x 14 Gauge Pickets, Add	222.84		
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate	2,643.01		73.70
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	578.88		
		For Aluminum With Satin Finish, Add	698.12		
		For Third Rail, Add	182.43		
		For 1" Square x 14 Gauge Pickets, Add	243.24		
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate	3,100.43		82.08
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	680.01		
		For Aluminum With Satin Finish, Add	824.59		
		For Third Rail, Add	214.94		
		For 1" Square x 14 Gauge Pickets, Add	286.59		
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate	3,245.45		91.70
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	710.59		
		For Aluminum With Satin Finish, Add	855.80		
		For Third Rail, Add	223.77		
		For 1" Square x 14 Gauge Pickets, Add	298.36		
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate	3,563.41		102.05
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	779.91		
		For Aluminum With Satin Finish, Add	937.87		
		For Third Rail, Add	245.40		
		For 1" Square x 14 Gauge Pickets, Add	327.20		
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate	3,855.36		113.54
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	843.12		
		For Aluminum With Satin Finish, Add	1,010.59		
		For Third Rail, Add	264.82		
		For 1" Square x 14 Gauge Pickets, Add	353.09		
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate	4,126.36		126.69
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	901.28		
		For Aluminum With Satin Finish, Add	1,074.99		
		For Third Rail, Add	282.32		
		For 1" Square x 14 Gauge Pickets, Add	376.43		
32 31 19 00-0126		7' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)			
32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate	1,096.44		28.67
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	240.23		
		For Aluminum With Satin Finish, Add	290.13		
		For Third Rail, Add	75.77		
		For 1" Square x 14 Gauge Pickets, Add	101.02		
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate	1,152.00		30.22
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	252.39		
		For Aluminum With Satin Finish, Add	304.75		
		For Third Rail, Add	79.59		
		For 1" Square x 14 Gauge Pickets, Add	106.12		
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate	1,207.77		31.78
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	264.58		
		For Aluminum With Satin Finish, Add	319.34		
		For Third Rail, Add	83.42		
		For 1" Square x 14 Gauge Pickets, Add	111.22		
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate	1,263.62		33.43
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	276.79		
		For Aluminum With Satin Finish, Add	333.91		
		For Third Rail, Add	87.24		
		For 1" Square x 14 Gauge Pickets, Add	116.32		
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate	1,461.90		40.67
		Note: Includes mounting hardware and associated trim.			
		For Solid Pickets, Add	319.77		
		For Aluminum With Satin Finish, Add	383.61		
		For Third Rail, Add	100.48		
		For 1" Square x 14 Gauge Pickets, Add	133.98		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0132	EA		7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,643.45 359.06 428.76 112.55 150.06	47.61
32 31 19 00-0133	EA		8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,775.04 387.04 458.46 120.79 161.05	54.75
32 31 19 00-0134	EA		9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	1,925.20 419.28 494.19 130.50 173.99	61.68
32 31 19 00-0135	EA		10' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,109.75 459.17 539.78 142.71 190.28	68.93
32 31 19 00-0136	EA		6' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,154.80 474.75 585.98 151.53 202.05	46.99
32 31 19 00-0137	EA		7' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,279.57 501.12 613.17 159.18 212.25	54.96
32 31 19 00-0138	EA		8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,405.47 527.65 640.18 166.63 222.45	63.34
32 31 19 00-0139	EA		9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,532.22 554.46 667.96 174.63 232.84	71.31
32 31 19 00-0140	EA		10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	2,852.32 624.69 753.23 196.65 262.46	79.70
32 31 19 00-0141	EA		12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,449.34 757.06 920.55 239.66 319.55	88.91
32 31 19 00-0142	EA		14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,409.46 745.78 894.75 234.36 312.48	99.68
32 31 19 00-0143	EA		16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,693.56 807.23 965.13 253.19 337.59	111.16
32 31 19 00-0144	EA		18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	4,033.22 880.83 1,050.12 275.65 367.80	124.31
32 31 19 00-0145	EA		20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	4,256.64 928.03 1,098.70 289.53 386.04	138.69

32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate	1,191.65	31.05
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	261.14	
		For Aluminum With Satin Finish, Add	315.58	
		For Third Rail, Add	82.39	
		For 1" Square x 14 Gauge Pickets, Add	109.85	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate	1,249.79	32.71
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	273.83	
		For Aluminum With Satin Finish, Add	330.69	
		For Third Rail, Add	86.36	
		For 1" Square x 14 Gauge Pickets, Add	115.15	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate	1,311.85	34.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	287.40	
		For Aluminum With Satin Finish, Add	346.98	
		For Third Rail, Add	90.63	
		For 1" Square x 14 Gauge Pickets, Add	120.84	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate	1,366.90	38.40
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	298.90	
		For Aluminum With Satin Finish, Add	358.14	
		For Third Rail, Add	93.86	
		For 1" Square x 14 Gauge Pickets, Add	125.15	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate	1,617.30	43.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	354.11	
		For Aluminum With Satin Finish, Add	426.51	
		For Third Rail, Add	111.52	
		For 1" Square x 14 Gauge Pickets, Add	148.69	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate	1,799.18	52.37
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	393.02	
		For Aluminum With Satin Finish, Add	468.96	
		For Third Rail, Add	123.14	
		For 1" Square x 14 Gauge Pickets, Add	164.19	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate	1,878.02	60.97
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	408.81	
		For Aluminum With Satin Finish, Add	480.97	
		For Third Rail, Add	127.11	
		For 1" Square x 14 Gauge Pickets, Add	169.48	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate	2,012.82	69.96
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	437.13	
		For Aluminum With Satin Finish, Add	509.30	
		For Third Rail, Add	135.20	
		For 1" Square x 14 Gauge Pickets, Add	180.27	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate	2,129.95	78.97
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	461.46	
		For Aluminum With Satin Finish, Add	532.33	
		For Third Rail, Add	141.97	
		For 1" Square x 14 Gauge Pickets, Add	189.29	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate	2,342.41	50.20
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	516.28	
		For Aluminum With Satin Finish, Add	638.17	
		For Third Rail, Add	164.92	
		For 1" Square x 14 Gauge Pickets, Add	219.90	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate	2,481.86	60.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	545.44	
		For Aluminum With Satin Finish, Add	666.68	
		For Third Rail, Add	173.16	
		For 1" Square x 14 Gauge Pickets, Add	230.88	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate	2,618.21	70.49
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	573.98	
		For Aluminum With Satin Finish, Add	694.78	
		For Third Rail, Add	181.25	
		For 1" Square x 14 Gauge Pickets, Add	241.67	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate	2,732.16	80.94
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	597.40	
		For Aluminum With Satin Finish, Add	715.64	
		For Third Rail, Add	187.58	
		For 1" Square x 14 Gauge Pickets, Add	250.10	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate	3,175.66	91.29
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	694.97	
		For Aluminum With Satin Finish, Add	835.37	
		For Third Rail, Add	218.62	
		For 1" Square x 14 Gauge Pickets, Add	291.49	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate	3,959.97	102.77
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	868.96	
		For Aluminum With Satin Finish, Add	1,055.81	
		For Third Rail, Add	274.97	
		For 1" Square x 14 Gauge Pickets, Add	366.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0162	EA		14' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,616.99 788.97 936.01 246.43 328.57	115.92
32 31 19 00-0163	EA		16' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	3,872.11 843.13 993.07 262.31 349.75	131.14
32 31 19 00-0164	EA		18' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	4,267.14 928.43 1,090.06 288.36 384.47	147.80
32 31 19 00-0165	EA		20' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add	4,352.02 943.51 1,091.45 290.71 387.61	166.53
32 31 19 00-0166			Replace Steel Tube Fence Pickets (32 31 19 00-0032)		
32 31 19 00-0167	LF		Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket For 1" Square x 14 Gauge Pickets, Add	30.75 1.01	
32 31 19 00-0168			Removal And Reinstallation Of Ornamental Fences (32 31 19) Note: Including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169	LF		Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	46.57	
32 31 19 00-0170	LF		Removal And Reinstallation Of Ornamental Fence, 6' Height	51.23	
32 31 19 00-0171	LF		Removal And Reinstallation Of Ornamental Fence, 7' Height	55.90	
32 31 19 00-0172	LF		Removal And Reinstallation Of Ornamental Fence, 8' Height	60.55	
32 31 19 00-0173	LF		Removal And Reinstallation Of Ornamental Fence, 9' Height	65.21	
32 31 19 00-0174	LF		Removal And Reinstallation Of Ornamental Fence, 10' Height	69.86	
32 31 19 00-0175	LF		Removal And Reinstallation Of Ornamental Fence 12' Height	77.62	
32 31 23			Plastic Fences and Gates (32 31)		
32 31 23 00-0001			Vinyl Fence (32 31 23)		
32 31 23 00-0002			Privacy Tongue And Groove Vinyl Fence (32 31 23 00-0001) Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.		
32 31 23 00-0003	LF		3' High Privacy Tongue And Groove Vinyl Fence	60.65	6.78
32 31 23 00-0004	LF		4' High Privacy Tongue And Groove Vinyl Fence	68.04	8.14
32 31 23 00-0005	LF		5' High Privacy Tongue And Groove Vinyl Fence	76.02	9.49
32 31 23 00-0006	LF		6' High Privacy Tongue And Groove Vinyl Fence	83.85	10.85
32 31 23 00-0007			Semi-Privacy 6" Picket Vinyl Fence (32 31 23 00-0001) Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0008	LF		5' High Semi-Privacy 6" Picket Vinyl Fence.....	81.33	9.49
32 31 23 00-0009	LF		6' High Semi-Privacy 6" Picket Vinyl Fence.....	89.21	10.85
32 31 23 00-0010			Picket Straight Top Vinyl Fence (32 31 23 00-0001) Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0011	LF		3' High Picket Straight Top Vinyl Fence.....	55.97	6.78
32 31 23 00-0012	LF		4' High Picket Straight Top Vinyl Fence.....	63.61	8.14
32 31 23 00-0013	LF		5' High Picket Straight Top Vinyl Fence.....	72.92	9.49
32 31 23 00-0014	LF		6' High Picket Straight Top Vinyl Fence.....	80.81	10.85
32 31 23 00-0015			Picket Scalloped Top Vinyl Fence (32 31 23 00-0001) Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0016	LF		3' High Picket Scalloped Top Vinyl Fence	61.99	6.78
32 31 23 00-0017	LF		4' High Picket Scalloped Top Vinyl Fence	69.81	8.14
32 31 23 00-0018	LF		5' High Picket Scalloped Top Vinyl Fence	78.72	9.49
32 31 23 00-0019	LF		6' High Picket Scalloped Top Vinyl Fence	86.79	10.85
32 31 23 00-0020			Post And Rail Vinyl Fence, Ranch Style (32 31 23 00-0001) Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.		
32 31 23 00-0021	LF		5' High, 2 Rail, Post And Rail Vinyl Fence	23.09	6.78
32 31 23 00-0022	LF		6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	29.58	8.14
32 31 23 00-0023	LF		7' High, 4 Rail, Post And Rail Vinyl Fence	34.00	8.82
32 31 23 00-0024			Post, Rails And Pickets (Traditional Style) Vinyl Fence (32 31 23 00-0001) Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**

MINOR			TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST		UNIT COST
32 31 23 00-0025	LF	3' High Rail And Picket Vinyl Fence, 72" On Center Posts	72.54		7.46
32 31 23 00-0026	LF	4' High Rail And Picket Vinyl Fence, 72" On Center Posts	79.31		8.82
32 31 23 00-0027	LF	3' High Rail And Picket Vinyl Fence, 96" On Center Posts	68.40		6.78
32 31 23 00-0028	LF	4' High Rail And Picket Vinyl Fence, 96" On Center Posts	74.49		8.14
32 31 23 00-0029		Vinyl Gates (32 31 23)			
32 31 23 00-0030		Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0029)			
		Note: Includes hinges.			
32 31 23 00-0031		3' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)			
32 31 23 00-0032	EA	3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	670.35		67.82
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0033	EA	3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	711.23		71.21
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0034	EA	3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	780.01		74.60
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0035	EA	3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	873.57		78.00
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0036		4' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)			
32 31 23 00-0037	EA	4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	711.23		71.21
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0038	EA	4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	736.61		74.60
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0039	EA	4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	817.78		78.00
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0040	EA	4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	957.84		81.39
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0041		5' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)			
32 31 23 00-0042	EA	5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	736.61		74.60
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0043	EA	5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	768.18		78.00
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0044	EA	5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	880.35		81.39
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0045	EA	5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	1,026.63		84.78
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0046		6' High Gates For Privacy And Semi-Privacy Fences (32 31 23 00-0030)			
32 31 23 00-0047	EA	6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	774.96		81.39
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0048	EA	6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	806.55		84.78
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0049	EA	6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	971.41		88.17
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0050	EA	6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	1,071.19		88.17
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0051		Gates For Picket Fences (32 31 23 00-0029)			
		Note: Includes hinges.			
32 31 23 00-0052		3' High Gates For Picket Fences (32 31 23 00-0051)			
32 31 23 00-0053	EA	3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	642.45		67.82
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0054	EA	3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	667.83		71.21
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0055	EA	3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	749.01		74.60
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		
32 31 23 00-0056	EA	3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	889.07		78.00
		For Self-Closing Hinge Set, Add	14.50		
		For Self-Closing Stainless Steel Hinge Set, Add	38.50		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0057			4' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0058	EA		4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	649.23	71.21
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0059	EA		4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	674.62	74.60
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0060	EA		4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	755.78	78.00
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0061	EA		4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	895.85	81.39
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0062			5' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0063	EA		5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	674.62	74.60
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0064	EA		5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	706.19	78.00
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0065	EA		5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	818.36	81.39
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0066	EA		5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	964.63	84.78
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0067			6' High Gates For Picket Fences (32 31 23 00-0051)		
32 31 23 00-0068	EA		6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	712.97	81.39
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0069	EA		6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	744.55	84.78
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0070	EA		6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	909.42	88.17
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0071	EA		6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	1,009.20	91.56
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0072			Gates Accessories (32 31 23 00-0029)		
32 31 23 00-0073	EA		Gate Stop/Drop Rod	145.49	
32 31 23 00-0074	EA		Latch Set	100.54	
32 31 23 00-0075	EA		Stainless Steel Latch Set.....	145.49	
32 31 26			Wire Fences and Gates (32 31)		
32 31 26 13			Wire Fences with Steel Posts (32 31 26)		
32 31 26 13-0001			Wire And Screen (32 31 26 13)		
32 31 26 13-0002			Wire And Screen For Partitions And Fences (32 31 26 13-0001)		
			Note: Excludes framing and post.		
32 31 26 13-0003			Screen Wire (32 31 26 13-0002)		
32 31 26 13-0004	LF		Screen Wire, 48" Wide Rolls.....	15.35	1.37
32 31 26 13-0005			Hog Wire (32 31 26 13-0002)		
32 31 26 13-0006	SF		4" x 4" Hog Wire For Fencing	2.74	1.09
32 31 26 13-0007	SF		6" x 6" Hog Wire For Fencing	2.87	1.23
32 31 26 13-0008			Non-Climb Horse Fence (32 31 26 13-0002)		
32 31 26 13-0009	LF		4' Non-Climb Woven, 12.5 Gauge, Horse Fence	12.43	4.37
32 31 26 13-0010	LF		5' Non-Climb Woven, 12.5 Gauge, Horse Fence	15.92	5.46
32 31 26 13-0011	LF		6' Non-Climb Woven, 12.5 Gauge, Horse Fence	19.95	6.55
32 31 26 13-0012			Screen For Partitions And Ceilings (32 31 26 13-0001)		
			Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0013	SF		1" Mesh Chicken Wire	2.49	0.77
32 31 29			Wood Fences and Gates (32 31)		
			See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001			Basket Weave (32 31 29)		
			Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF		6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	46.72	3.71
			For Fastening With Screws Instead Of Nails, Add	2.72	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 32 31 29 00-0003 LF 6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....30.44 3.71
For Fastening With Screws Instead Of Nails, Add 1.94

32 31 29 00-0004 Board Fence (32 31 29)
 Note: 1x4" board, 2x4" rail, 4x4" post.

 32 31 29 00-0005 LF Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence.....29.73 3.71
For 1" x 6" Boards, Deduct -3.07
For 1" x 3" Boards (Stockade Top), Add 3.80
For Fastening With Screws Instead Of Nails, Add 1.91
 32 31 29 00-0006 LF Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence.....33.13 3.71
For 1" x 6" Boards, Deduct -3.34
For 1" x 3" Boards (Stockade Top), Add 4.12
For Fastening With Screws Instead Of Nails, Add 2.12
 32 31 29 00-0007 LF Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence.....37.10 3.71
For 1" x 6" Boards, Deduct -3.58
For 1" x 3" Boards (Stockade Top), Add 4.35
For Fastening With Screws Instead Of Nails, Add 2.33
 32 31 29 00-0008 LF Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence.....39.66 3.71
For 1" x 6" Boards, Deduct -3.77
For 1" x 3" Boards (Stockade Top), Add 4.56
For Fastening With Screws Instead Of Nails, Add 2.48
 32 31 29 00-0009 LF Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence.....42.42 3.71
For 1" x 6" Boards, Deduct -3.96
For 1" x 3" Boards (Stockade Top), Add 4.77
For Fastening With Screws Instead Of Nails, Add 2.64
 32 31 29 00-0010 LF Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence.....31.86 3.71
For 1" x 6" Boards, Deduct -3.16
For 1" x 3" Boards (Stockade Top), Add 3.86
For Fastening With Screws Instead Of Nails, Add 2.02
 32 31 29 00-0011 LF Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence.....34.77 3.71
For 1" x 6" Boards, Deduct -3.41
For 1" x 3" Boards (Stockade Top), Add 4.16
For Fastening With Screws Instead Of Nails, Add 2.20
 32 31 29 00-0012 LF Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence.....37.10 3.71
For 1" x 6" Boards, Deduct -3.58
For 1" x 3" Boards (Stockade Top), Add 4.35
For Fastening With Screws Instead Of Nails, Add 2.33
 32 31 29 00-0013 LF Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence.....39.66 3.71
For 1" x 6" Boards, Deduct -3.77
For 1" x 3" Boards (Stockade Top), Add 4.56
For Fastening With Screws Instead Of Nails, Add 2.48
 32 31 29 00-0014 LF Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence.....42.42 3.71
For 1" x 6" Boards, Deduct -3.96
For 1" x 3" Boards (Stockade Top), Add 4.77
For Fastening With Screws Instead Of Nails, Add 2.64
 32 31 29 00-0015 LF Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence.....31.87 3.71
For 1" x 6" Boards, Deduct -3.16
For 1" x 3" Boards (Stockade Top), Add 3.86
For Fastening With Screws Instead Of Nails, Add 2.02
 32 31 29 00-0016 LF Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence.....42.05 3.71
For 1" x 6" Boards, Deduct -3.70
For 1" x 3" Boards (Stockade Top), Add 4.38
For Fastening With Screws Instead Of Nails, Add 2.56
 32 31 29 00-0017 LF Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence.....44.07 3.71
For 1" x 6" Boards, Deduct -3.86
For 1" x 3" Boards (Stockade Top), Add 4.56
For Fastening With Screws Instead Of Nails, Add 2.68
 32 31 29 00-0018 LF Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence.....47.46 3.71
For 1" x 6" Boards, Deduct -4.08
For 1" x 3" Boards (Stockade Top), Add 4.80
For Fastening With Screws Instead Of Nails, Add 2.87
 32 31 29 00-0019 LF Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence.....51.12 3.71
For 1" x 6" Boards, Deduct -4.31
For 1" x 3" Boards (Stockade Top), Add 5.04
For Fastening With Screws Instead Of Nails, Add 3.07

32 31 29 00-0020 Shadow Box (32 31 29)
 Note: 1x6" board, 2x4" Rail, 4x4" post.

 32 31 29 00-0021 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine65.24 3.71
For Fastening With Screws Instead Of Nails, Add 3.65
 32 31 29 00-0022 LF Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar82.05 3.71
For Fastening With Screws Instead Of Nails, Add 4.56
 32 31 29 00-0023 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar89.46 3.71
For Fastening With Screws Instead Of Nails, Add 4.95
 32 31 29 00-0024 LF Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar96.14 3.71
For Fastening With Screws Instead Of Nails, Add 5.32

32 31 29 00-0025 Open Rail Fence (32 31 29)

32 31 29 00-0026 Post And Rail Fence, Ranch Style (32 31 29 00-0025)

 32 31 29 00-0027 LF Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....29.86 3.71
 32 31 29 00-0028 LF Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....23.10 3.71
 32 31 29 00-0029 LF Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....35.50 3.71
 32 31 29 00-0030 LF Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....24.96 3.71

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0031		Split Rail Fence (32 31 29 00-0025)		
32 31 29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	28.12	3.71
32 31 29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	23.02	3.71
32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	32.18	3.71
32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	25.94	3.71
32 31 29 00-0036		Picket Fence (32 31 29)		
32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated.....	34.12	3.71
		For Fastening With Screws Instead Of Nails, Add	2.15	
32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar.....	31.79	3.71
		For Fastening With Screws Instead Of Nails, Add	2.03	
32 31 29 00-0039		Wood Fence Post Accessories (32 31 29)		
32 31 29 00-0040	EA	3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	47.33	
32 31 29 00-0041	EA	4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	53.13	
32 31 29 00-0042	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	57.84	
32 31 29 00-0043	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	85.79	
32 31 29 00-0044		Wood Gate (32 31 29)		
32 31 29 00-0045		Board Fence Gates, Pressure Treated Wood (32 31 29 00-0044)		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	489.25	152.30
32 31 29 00-0047	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	540.77	161.44
32 31 29 00-0048	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	604.45	176.67
32 31 29 00-0049	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	685.51	185.81
32 31 29 00-0050	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	766.57	194.95
32 31 29 00-0051	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	623.65	201.04
32 31 29 00-0052	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	678.86	210.18
32 31 29 00-0053	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	734.06	219.32
32 31 29 00-0054	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	826.19	228.46
32 31 29 00-0055	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	899.86	237.59
32 31 29 00-0056		Board Fence Gates, Grade 2 Cedar (32 31 29 00-0044)		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	730.52	115.99
32 31 29 00-0058	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	755.52	122.96
32 31 29 00-0059	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	793.49	134.55
32 31 29 00-0060	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	836.95	141.51
32 31 29 00-0061	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	891.48	148.48
32 31 29 00-0062	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	860.15	153.11
32 31 29 00-0063	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	892.52	160.07
32 31 29 00-0064	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	943.37	167.03
32 31 29 00-0065	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	994.22	173.99
32 31 29 00-0066	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	1,045.07	180.95
32 31 29 00-0067		Board Fence Gates, Grade 1 Cedar (32 31 29 00-0044)		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0068	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	785.91	115.99
32 31 29 00-0069	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	818.29	122.96
32 31 29 00-0070	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	859.96	134.55
32 31 29 00-0071	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	910.81	141.51
32 31 29 00-0072	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	961.64	148.48
32 31 29 00-0073	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	934.01	153.11
32 31 29 00-0074	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	966.38	160.07
32 31 29 00-0075	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	1,017.23	167.03
32 31 29 00-0076	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	1,068.08	173.99
32 31 29 00-0077	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	1,137.39	180.95
32 31 29 00-0078		Plywood Fence Gates (32 31 29 00-0044)		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2 x 4 frame, and galvanized nails and hinges.		
32 31 29 00-0079	EA	6' High, 5/8" CDX Plywood Gate, 6' To 10' Wide.....	972.88	154.49
		Note: Unpainted. Excludes post.		
32 31 29 00-0080	EA	7' High, 5/8" CDX Plywood Gate, 6' To 10' Wide.....	984.27	154.49
		Note: Unpainted. Excludes post.		
32 31 29 00-0081	EA	8' High, 5/8" CDX Plywood Gate, 6' To 10' Wide.....	1,134.48	168.54
		Note: Unpainted. Excludes post.		
32 31 29 00-0082	EA	9' High, 5/8" CDX Plywood Gate, 6' To 10' Wide.....	1,145.88	168.54
		Note: Unpainted. Excludes post.		
32 31 29 00-0083	EA	10' High, 5/8" CDX Plywood Gate, 6' To 10' Wide.....	1,219.33	182.58
		Note: Unpainted. Excludes post.		
32 31 29 00-0084	EA	6' High, 5/8" CDX Plywood Gate, >10' To 20' Wide.....	1,756.62	280.90
		Note: Unpainted. Excludes post.		
32 31 29 00-0085	EA	7' High, 5/8" CDX Plywood Gate, >10' To 20' Wide.....	1,779.41	280.90
		Note: Unpainted. Excludes post.		

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences and Gates**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 31 29 00-0086	EA	8' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	2,003.09	308.98
32 31 29 00-0087	EA	9' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	2,025.88	308.98
32 31 29 00-0088	EA	10' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	2,172.80	337.07
32 31 29 00-0089	EA	6' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	3,279.68	561.78
32 31 29 00-0090	EA	7' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	3,325.26	561.78
32 31 29 00-0091	EA	8' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	3,695.84	617.97
32 31 29 00-0092	EA	9' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	3,741.43	617.97
32 31 29 00-0093	EA	10' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	4,091.43	688.19

32 31 29 00-0094 Wood Gates Accessories (32 31 29 00-0044)

32 31 29 00-0095	EA	Galvanized Steel Padlockable Slide Latch, 6-3/16" Bolt Length	52.41	13.57
32 31 29 00-0096	EA	Black Steel Padlockable Slide Latch, 6-3/16" Bolt Length	38.64	13.57
32 31 29 00-0097	EA	Stainless Steel Padlockable Slide Latch, 6-3/16" Bolt Length	96.74	13.57
32 31 29 00-0098	EA	Black Steel Cane Bolt, 18" Bolt Length	67.02	16.96
32 31 29 00-0099	EA	Zinc Coated Steel Cane Bolt, 18" Bolt Length	66.29	16.96
32 31 29 00-0100	EA	Galvanized Steel Self Latching Gate Latches, 4-1/4" Bolt Length	82.10	16.96
32 31 29 00-0101	EA	Black Steel Self Latching Gate Latches, 4-1/4" Bolt Length	59.92	16.96
32 31 29 00-0102	EA	Stainless Steel Self Latching Gate Latches, 4-1/4" Bolt Length	92.63	16.96

32 31 29 00-0103 Pressure Treated Wood Fence Posts (32 31 29)

See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0673 for barbed wire, 32 31 56 00-0017 for barbed wire.

32 31 29 00-0104	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	46.61	15.23
32 31 29 00-0105	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	52.44	15.23
32 31 29 00-0106	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	82.11	29.25
32 31 29 00-0107	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	88.76	29.25

32 31 56 Wild Life Deterrent Fence (32 31)**32 31 56 00-0001 Barbed Wire Fences** (32 31 56)

Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 56 00-0002 Fence Posts (32 31 56 00-0001)**32 31 56 00-0003 Fence Post Soil, Set In Concrete** (32 31 56 00-0002)

32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	107.43	8.28
		<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	173.54	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	145.37	8.28
		<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	236.90	

32 31 56 00-0006 Post In Rock (32 31 56 00-0002)

32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock	105.62	8.28
		<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	170.83	
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	143.56	8.28
		<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	234.19	

32 31 56 00-0009 Studded Steel T-Posts, Enamel Paint Finish (32 31 56 00-0001)

Note: Posts for barb wire, chain link or welded wire mesh.

32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	27.39	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	28.06	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	29.35	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	30.65	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	32.36	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	36.50	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	44.59	

32 31 56 00-0017 Barbed Wire (32 31 56 00-0001)

Note: Per strand.

32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.92	0.41
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	1.07	0.41

32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts (32 31 56 00-0001)

Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.

32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts	11.92	2.69
		Note: Posts at 10' maximum.		

32 32 Retaining Walls (32 30)**32 32 13 Cast-In-Place Concrete Retaining Wall** (32 32)

Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 32 13 00-0001		Concrete Retaining Walls (32 32 13) Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0002	LF	4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	406.89 9.25	149.10
32 32 13 00-0003	LF	6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	507.50 11.94	183.47
32 32 13 00-0004	LF	8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	552.77 13.34	197.90
32 32 13 00-0005	LF	10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	703.99 18.25	244.70
32 32 13 00-0006	LF	12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	811.33 21.17	281.07
32 32 13 00-0007	LF	16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	1,173.83 29.69	412.34
32 32 13 00-0008	LF	20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	1,611.50 40.19	569.25
32 32 13 00-0009	LF	4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	447.11 10.32	162.83
32 32 13 00-0010	LF	6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	547.21 13.17	196.20
32 32 13 00-0011	LF	8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	579.35 14.44	204.72
32 32 13 00-0012	LF	10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	796.85 21.08	274.36
32 32 13 00-0013	LF	12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	1,010.47 25.98	352.42
32 32 13 00-0014	LF	16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	1,515.31 38.00	534.18
32 32 13 00-0015	LF	20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall For >3:1 Sloped Soil At Top, Add	2,138.57 53.59	754.03

32 32 16 Precast Concrete Retaining Walls (32 32)

32 32 16 00-0001		Precast Retaining Walls (32 32 16) Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002	SF	10-15' High, Tied-back, Precast Concrete Retaining Walls	106.67	15.48
32 32 16 00-0003	SF	16-20' High, Tied-back, Precast Concrete Retaining Walls	109.54	12.44
32 32 16 00-0004	SF	21-25' High, Tied-back, Precast Concrete Retaining Walls	113.62	10.36
32 32 16 00-0005	SF	26-30' High, Tied-back, Precast Concrete Retaining Walls	122.86	10.36
32 32 16 00-0006	SF	>30' High, Tied-back, Precast Concrete Retaining Walls	129.98	8.84

32 32 23 Segmental Retaining Walls (32 32)

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)

32 32 23 13-0001		Modular Retaining Wall Systems (32 32 23 13) Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
32 32 23 13-0002		"Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	74.29 4.69	9.54
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	78.38 4.96	10.04
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	81.71 5.07	11.04
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	85.24 5.20	12.05
32 32 23 13-0007		"Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	77.18 4.94	9.54
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	81.27 5.20	10.04
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	84.60 5.31	11.04
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	88.13 5.44	12.05
32 32 23 13-0012		"Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)		
32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	84.07 5.53	9.54
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	88.17 5.79	10.04
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	91.50 5.90	11.04
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System For >3:1 Sloped Soil At Top, Add	95.02 6.03	12.05

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)				
32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	74.29	9.54
		For Gravel Backfill Instead Of Earth, Add	0.25	
		For >3:1 Sloped Soil At Top, Add	4.69	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	78.38	10.04
		For Gravel Backfill Instead Of Earth, Add	0.25	
		For >3:1 Sloped Soil At Top, Add	4.96	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	81.71	11.04
		For Gravel Backfill Instead Of Earth, Add	0.25	
		For >3:1 Sloped Soil At Top, Add	5.07	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	85.24	12.05
		For Gravel Backfill Instead Of Earth, Add	0.25	
		For >3:1 Sloped Soil At Top, Add	5.20	
32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)				
32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	65.54	9.54
		For >3:1 Sloped Soil At Top, Add	3.95	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	72.51	10.04
		For >3:1 Sloped Soil At Top, Add	4.46	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	75.89	11.04
		For >3:1 Sloped Soil At Top, Add	4.57	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	78.88	12.05
		For >3:1 Sloped Soil At Top, Add	4.66	
32 32 23 13-0027 Retaining Wall Cap Block Restoration (32 32 23 13-0001)				
Note: Includes removal of existing cap block and installation of new cap block to match.				
32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	44.45	
		For >3:1 Sloped Soil At Top, Add	2.51	
32 32 26 Metal Crib Retaining Walls (32 32)				
32 32 26 00-0001 Aluminized Steel Bin (32 32 26)				
Note: Excludes excavation and backfill.				
32 32 26 00-0002	SF	4' High, 5.5' Deep Aluminized Steel Bin	46.58	5.24
		For Galvanized Type, Deduct	-3.61	
		For >3:1 Sloped Soil At Top, Add	3.07	
32 32 26 00-0003	SF	8' High, 5.5' Deep Aluminized Steel Bin	52.17	5.24
		For Galvanized Type, Deduct	-4.16	
		For >3:1 Sloped Soil At Top, Add	3.54	
32 32 26 00-0004	SF	10' High, 7.7' Deep Aluminized Steel Bin	55.72	5.72
		For Galvanized Type, Deduct	-4.43	
		For >3:1 Sloped Soil At Top, Add	3.77	
32 32 26 00-0005	SF	12' High, 7.7' Deep Aluminized Steel Bin	63.47	6.45
		For Galvanized Type, Deduct	-5.06	
		For >3:1 Sloped Soil At Top, Add	4.30	
32 32 26 00-0006	SF	16' High, 7.7' Deep Aluminized Steel Bin	61.11	6.69
		For Galvanized Type, Deduct	-4.78	
		For >3:1 Sloped Soil At Top, Add	4.07	
32 32 26 00-0007	SF	16' High, 9.9' Deep Aluminized Steel Bin	68.12	6.81
		For Galvanized Type, Deduct	-5.46	
		For >3:1 Sloped Soil At Top, Add	4.64	
32 32 26 00-0008	SF	20' High, 9.9' Deep Aluminized Steel Bin	75.57	7.18
		For Galvanized Type, Deduct	-6.11	
		For >3:1 Sloped Soil At Top, Add	5.19	
32 32 26 00-0009	SF	20' High, 12.1' Deep Aluminized Steel Bin	77.38	7.55
		For Galvanized Type, Deduct	-6.24	
		For >3:1 Sloped Soil At Top, Add	5.30	
32 32 26 00-0010	SF	24' High, 12.1' Deep Aluminized Steel Bin	81.41	7.55
		For Galvanized Type, Deduct	-6.63	
		For >3:1 Sloped Soil At Top, Add	5.64	
32 32 26 00-0011	SF	24' High, 14.3' Deep Aluminized Steel Bin	85.43	7.67
		For Galvanized Type, Deduct	-7.02	
		For >3:1 Sloped Soil At Top, Add	5.97	
32 32 26 00-0012	SF	28' High, 14.3' Deep Aluminized Steel Bin	88.29	7.79
		For Galvanized Type, Deduct	-7.28	
		For >3:1 Sloped Soil At Top, Add	6.19	
32 32 29 Timber Retaining Walls (32 32)				
32 32 29 00-0001 Wood Post Retaining Walls (32 32 29)				
Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.				
32 32 29 00-0002	LF	4" x 4", 1' High, Redwood, Wood Post Retaining Walls	91.32	33.44
		For >3:1 Sloped Soil At Top, Add	2.09	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood, Wood Post Retaining Walls	178.74	65.47
		For >3:1 Sloped Soil At Top, Add	4.07	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar, Wood Post Retaining Walls	88.19	33.44
		For >3:1 Sloped Soil At Top, Add	1.82	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar, Wood Post Retaining Walls	172.65	65.47
		For >3:1 Sloped Soil At Top, Add	3.55	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls	91.61	29.22
		For >3:1 Sloped Soil At Top, Add	2.81	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	179.34	57.13
		For >3:1 Sloped Soil At Top, Add	5.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls	.....	72.61	25.92
		For >3:1 Sloped Soil At Top, Add	.....	1.76	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls	.....	131.30	46.93
		For >3:1 Sloped Soil At Top, Add	.....	3.18	
32 32 29 00-0010	LF	6" x 6", 2' High, Redwood, Wood Post Retaining Walls	.....	238.73	79.31
		For >3:1 Sloped Soil At Top, Add	.....	6.81	
32 32 29 00-0011	LF	6" x 6", 4' High, Redwood, Wood Post Retaining Walls	.....	471.03	155.45
		For >3:1 Sloped Soil At Top, Add	.....	13.62	
32 32 29 00-0012	LF	6" x 6", 2' High, Cedar, Wood Post Retaining Walls	.....	235.25	79.31
		For >3:1 Sloped Soil At Top, Add	.....	6.52	
32 32 29 00-0013	LF	6" x 6", 4' High, Cedar, Wood Post Retaining Walls	.....	462.32	155.45
		For >3:1 Sloped Soil At Top, Add	.....	12.88	
32 32 29 00-0014	LF	6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	.....	234.32	64.40
		For >3:1 Sloped Soil At Top, Add	.....	8.96	
32 32 29 00-0015	LF	6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	.....	465.33	127.17
		For >3:1 Sloped Soil At Top, Add	.....	17.93	
32 32 29 00-0016	LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls	.....	163.20	51.50
		For >3:1 Sloped Soil At Top, Add	.....	5.11	
32 32 29 00-0017	LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls	.....	320.87	100.78
		For >3:1 Sloped Soil At Top, Add	.....	10.14	
32 32 29 00-0018	LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls	.....	582.46	171.87
		For >3:1 Sloped Soil At Top, Add	.....	20.29	
32 32 29 00-0019	LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls	.....	1,089.35	320.87
		For >3:1 Sloped Soil At Top, Add	.....	38.05	
32 32 29 00-0020	LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls	.....	565.04	171.87
		For >3:1 Sloped Soil At Top, Add	.....	18.80	
32 32 29 00-0021	LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls	.....	1,056.25	320.87
		For >3:1 Sloped Soil At Top, Add	.....	35.24	
32 32 29 00-0022	LF	8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	.....	646.71	198.27
		For >3:1 Sloped Soil At Top, Add	.....	21.26	
32 32 29 00-0023	LF	8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls	.....	1,206.49	370.26
		For >3:1 Sloped Soil At Top, Add	.....	39.61	
32 32 29 00-0024	LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls	.....	464.20	160.26
		For >3:1 Sloped Soil At Top, Add	.....	12.22	
32 32 29 00-0025	LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls	.....	861.00	297.29
		For >3:1 Sloped Soil At Top, Add	.....	22.65	
32 32 29 00-0026	LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	.....	175.75	66.05
		For >3:1 Sloped Soil At Top, Add	.....	3.70	
32 32 29 00-0027	LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	.....	262.75	99.13
		For >3:1 Sloped Soil At Top, Add	.....	5.48	
32 32 29 00-0028	LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	.....	349.65	132.10
		For >3:1 Sloped Soil At Top, Add	.....	7.26	
32 32 29 00-0029	LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	.....	117.37	37.30
		For >3:1 Sloped Soil At Top, Add	.....	3.63	
32 32 29 00-0030	LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	.....	170.44	53.85
		For >3:1 Sloped Soil At Top, Add	.....	5.33	
32 32 29 00-0031	LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	.....	230.76	72.74
		For >3:1 Sloped Soil At Top, Add	.....	7.26	
32 32 29 00-0032		Post And Board Retaining Walls (32 32 29)			
Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.					
32 32 29 00-0033	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls	.....	71.28	19.83
		For >3:1 Sloped Soil At Top, Add	.....	2.69	
32 32 29 00-0034	LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls	.....	110.43	33.91
		For >3:1 Sloped Soil At Top, Add	.....	3.63	
32 32 29 00-0035	LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls	.....	144.38	42.12
		For >3:1 Sloped Soil At Top, Add	.....	5.11	
32 32 29 00-0036	LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls	.....	202.06	59.72
		For >3:1 Sloped Soil At Top, Add	.....	7.03	
32 32 29 00-0037	LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	.....	264.18	77.67
		For >3:1 Sloped Soil At Top, Add	.....	9.25	
32 32 29 00-0038	LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	.....	540.78	153.69
		For >3:1 Sloped Soil At Top, Add	.....	19.84	
32 32 29 00-0039	LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls	.....	610.39	170.23
		For >3:1 Sloped Soil At Top, Add	.....	22.95	
32 32 29 00-0040	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls	.....	72.49	20.65
		For >3:1 Sloped Soil At Top, Add	.....	2.65	
32 32 29 00-0041	LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	.....	127.38	36.72
		For >3:1 Sloped Soil At Top, Add	.....	4.59	
32 32 29 00-0042	LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	.....	125.18	36.02
		For >3:1 Sloped Soil At Top, Add	.....	4.52	
32 32 29 00-0043	LF	6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls	.....	175.75	51.73
		For >3:1 Sloped Soil At Top, Add	.....	6.14	
32 32 29 00-0044	LF	6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls	.....	274.12	82.60
		For >3:1 Sloped Soil At Top, Add	.....	9.25	
32 32 29 00-0045	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	.....	216.61	63.47
		For >3:1 Sloped Soil At Top, Add	.....	7.63	
32 32 29 00-0046	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	.....	559.32	158.62
		For >3:1 Sloped Soil At Top, Add	.....	20.58	
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	.....	94.21	38.13
		For >3:1 Sloped Soil At Top, Add	.....	1.52	
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	.....	136.03	54.20
		For >3:1 Sloped Soil At Top, Add	.....	2.35	
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	.....	196.60	74.38
		For >3:1 Sloped Soil At Top, Add	.....	4.07	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
32 32 29 00-0050	LF 6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	344.32	125.53	7.92	
32 32 29 00-0051	LF 6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	348.67	125.53	8.29	
32 32 29 00-0052	LF 6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat..... <i>For >3:1 Sloped Soil At Top, Add</i>	328.36	120.61	7.40	
32 32 29 00-0053	LF 8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated..... <i>For >3:1 Sloped Soil At Top, Add</i>	770.83	277.46	18.36	
32 32 29 00-0054	LF 4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	94.21	38.13	1.52	
32 32 29 00-0055	LF 4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	136.03	54.20	2.35	
32 32 29 00-0056	LF 4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	196.60	74.38	4.07	
32 32 29 00-0057	LF 6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking..... <i>For >3:1 Sloped Soil At Top, Add</i>	246.88	92.57	5.26	
32 32 29 00-0058	LF 6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	344.32	125.53	7.92	
32 32 29 00-0059	LF 6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	328.36	120.61	7.40	
32 32 29 00-0060	LF 8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls..... <i>For >3:1 Sloped Soil At Top, Add</i>	770.83	277.46	18.36	
32 32 29 00-0061	Wood Tie Retaining Walls, Rod Connector At 4' (32 32 29) Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.				
32 32 29 00-0062	Redwood (32 32 29 00-0061)				
32 32 29 00-0063	LF 2' High, 6" x 6" Wood Tie Wall..... <i>For >3:1 Sloped Soil At Top, Add</i>	123.10	40.60	3.55	
32 32 29 00-0064	LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	280.85	92.57	8.14	
32 32 29 00-0065	LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	420.49	138.79	12.14	
32 32 29 00-0066	LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	403.38	118.96	14.07	
32 32 29 00-0067	LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	606.08	178.44	21.17	
32 32 29 00-0068	LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	800.19	234.64	28.13	
32 32 29 00-0069	Cedar (32 32 29 00-0061)				
32 32 29 00-0070	LF 2' High, 6" x 6" Wood Tie Wall..... <i>For >3:1 Sloped Soil At Top, Add</i>	121.36	40.60	3.41	
32 32 29 00-0071	LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	275.62	92.57	7.70	
32 32 29 00-0072	LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	413.52	138.79	11.55	
32 32 29 00-0073	LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	391.18	118.96	13.03	
32 32 29 00-0074	LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	588.66	178.44	19.69	
32 32 29 00-0075	LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	775.81	234.64	26.06	
32 32 29 00-0076	Pressure Treated Wood (32 32 29 00-0061)				
32 32 29 00-0077	LF 2' High, 6" x 6" Wood Tie Wall..... <i>For >3:1 Sloped Soil At Top, Add</i>	106.37	33.55	3.34	
32 32 29 00-0078	LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	241.71	76.02	7.63	
32 32 29 00-0079	LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	362.14	114.03	11.40	
32 32 29 00-0080	LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	397.00	137.15	10.44	
32 32 29 00-0081	LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	596.20	204.96	15.84	
32 32 29 00-0082	LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For >3:1 Sloped Soil At Top, Add</i>	790.62	272.53	20.88	
32 32 53	Stone Retaining Walls (32 32)				
32 32 53 00-0001	Stone Retaining Walls (32 32 53) Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.				
32 32 53 00-0002	Stone Retaining Walls (32 32 53 00-0001) Note: Stone at \$16.00/ton.				
32 32 53 00-0003	LF \$16.00/ton 3' High Stone Retaining Wall, Dry Set..... <i>For >3:1 Sloped Soil At Top, Add</i>	504.50	226.02	4.45	
32 32 53 00-0004	LF \$16.00/ton 4' High Stone Retaining Wall, Dry Set..... <i>For >3:1 Sloped Soil At Top, Add</i>	595.10	268.89	4.87	
32 32 53 00-0005	LF \$16.00/ton 6' High Stone Retaining Wall, Dry Set..... <i>For >3:1 Sloped Soil At Top, Add</i>	781.47	357.24	5.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0006	LF		\$16.00/ton 8' High Stone Retaining Wall, Dry Set	1,203.69	558.56
			For >3:1 Sloped Soil At Top, Add	7.35	
32 32 53 00-0007	LF		\$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,563.72	730.66
			For >3:1 Sloped Soil At Top, Add	8.70	
32 32 53 00-0008	LF		\$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,940.45	909.88
			For >3:1 Sloped Soil At Top, Add	10.25	
32 32 53 00-0009	LF		\$16.00/ton 3' High Stone Retaining Wall, Mortar Set.....	452.60	200.11
			For >3:1 Sloped Soil At Top, Add	4.45	
32 32 53 00-0010	LF		\$16.00/ton 4' High Stone Retaining Wall, Mortar Set.....	530.84	236.76
			For >3:1 Sloped Soil At Top, Add	4.87	
32 32 53 00-0011	LF		\$16.00/ton 6' High Stone Retaining Wall, Mortar Set.....	686.62	309.75
			For >3:1 Sloped Soil At Top, Add	5.70	
32 32 53 00-0012	LF		\$16.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,051.02	482.25
			For >3:1 Sloped Soil At Top, Add	7.35	
32 32 53 00-0013	LF		\$16.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,349.55	623.62
			For >3:1 Sloped Soil At Top, Add	8.70	
32 32 53 00-0014	LF		\$16.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,676.28	777.85
			For >3:1 Sloped Soil At Top, Add	10.25	
32 32 53 00-0015 Stone Retaining Walls (32 32 53 00-0001)					
Note: Stone at \$32.00/ton.					
32 32 53 00-0016	LF		\$32.00/ton 3' High Stone Retaining Wall, Dry Set	520.34	226.02
			For >3:1 Sloped Soil At Top, Add	5.80	
32 32 53 00-0017	LF		\$32.00/ton 4' High Stone Retaining Wall, Dry Set	617.03	268.89
			For >3:1 Sloped Soil At Top, Add	6.73	
32 32 53 00-0018	LF		\$32.00/ton 6' High Stone Retaining Wall, Dry Set	813.15	357.24
			For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0019	LF		\$32.00/ton 8' High Stone Retaining Wall, Dry Set	1,249.99	558.56
			For >3:1 Sloped Soil At Top, Add	11.29	
32 32 53 00-0020	LF		\$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,627.08	730.66
			For >3:1 Sloped Soil At Top, Add	14.09	
32 32 53 00-0021	LF		\$32.00/ton 12' High Stone Retaining Wall, Dry Set	2,020.87	909.88
			For >3:1 Sloped Soil At Top, Add	17.09	
32 32 53 00-0022	LF		\$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	468.44	200.11
			For >3:1 Sloped Soil At Top, Add	5.80	
32 32 53 00-0023	LF		\$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	552.77	236.76
			For >3:1 Sloped Soil At Top, Add	6.73	
32 32 53 00-0024	LF		\$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	718.30	309.75
			For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0025	LF		\$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,097.32	482.25
			For >3:1 Sloped Soil At Top, Add	11.29	
32 32 53 00-0026	LF		\$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,412.91	623.62
			For >3:1 Sloped Soil At Top, Add	14.09	
32 32 53 00-0027	LF		\$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,756.70	777.85
			For >3:1 Sloped Soil At Top, Add	17.09	
32 32 53 00-0028 Stone Retaining Walls (32 32 53 00-0001)					
Note: Stone at \$48.00/ton.					
32 32 53 00-0029	LF		\$48.00/ton 3' High Stone Retaining Wall, Dry Set	537.40	226.02
			For >3:1 Sloped Soil At Top, Add	7.25	
32 32 53 00-0030	LF		\$48.00/ton 4' High Stone Retaining Wall, Dry Set	638.72	268.89
			For >3:1 Sloped Soil At Top, Add	8.58	
32 32 53 00-0031	LF		\$48.00/ton 6' High Stone Retaining Wall, Dry Set	843.61	357.24
			For >3:1 Sloped Soil At Top, Add	10.98	
32 32 53 00-0032	LF		\$48.00/ton 8' High Stone Retaining Wall, Dry Set	1,296.29	558.56
			For >3:1 Sloped Soil At Top, Add	15.22	
32 32 53 00-0033	LF		\$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,690.44	730.66
			For >3:1 Sloped Soil At Top, Add	19.47	
32 32 53 00-0034	LF		\$48.00/ton 12' High Stone Retaining Wall, Dry Set	2,102.50	909.88
			For >3:1 Sloped Soil At Top, Add	24.03	
32 32 53 00-0035	LF		\$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	485.50	200.11
			For >3:1 Sloped Soil At Top, Add	7.25	
32 32 53 00-0036	LF		\$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	574.70	236.76
			For >3:1 Sloped Soil At Top, Add	8.60	
32 32 53 00-0037	LF		\$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	748.76	309.75
			For >3:1 Sloped Soil At Top, Add	10.98	
32 32 53 00-0038	LF		\$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,143.62	482.25
			For >3:1 Sloped Soil At Top, Add	15.22	
32 32 53 00-0039	LF		\$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,476.27	623.62
			For >3:1 Sloped Soil At Top, Add	19.47	
32 32 53 00-0040	LF		\$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,838.33	777.85
			For >3:1 Sloped Soil At Top, Add	24.03	
32 32 53 00-0041 Stone Retaining Walls (32 32 53 00-0001)					
Note: Stone at \$64.00/ton.					
32 32 53 00-0042	LF		\$64.00/ton 3' High Stone Retaining Wall, Dry Set	554.46	226.02
			For >3:1 Sloped Soil At Top, Add	8.70	
32 32 53 00-0043	LF		\$64.00/ton 4' High Stone Retaining Wall, Dry Set	636.53	268.89
			For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0044	LF		\$64.00/ton 6' High Stone Retaining Wall, Dry Set	876.50	357.24
			For >3:1 Sloped Soil At Top, Add	13.77	
32 32 53 00-0045	LF		\$64.00/ton 8' High Stone Retaining Wall, Dry Set	1,345.03	558.56
			For >3:1 Sloped Soil At Top, Add	19.37	
32 32 53 00-0046	LF		\$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,756.24	730.66
			For >3:1 Sloped Soil At Top, Add	25.06	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 32 53 00-0047	LF	\$64.00/ton 12' High Stone Retaining Wall, Dry Set.....	2,185.36	909.88
		<i>For >3:1 Sloped Soil At Top, Add</i>	31.07	
32 32 53 00-0048	LF	\$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	502.56	200.11
		<i>For >3:1 Sloped Soil At Top, Add</i>	8.70	
32 32 53 00-0049	LF	\$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	596.63	236.76
		<i>For >3:1 Sloped Soil At Top, Add</i>	10.46	
32 32 53 00-0050	LF	\$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	781.65	309.75
		<i>For >3:1 Sloped Soil At Top, Add</i>	13.77	
32 32 53 00-0051	LF	\$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,192.36	482.25
		<i>For >3:1 Sloped Soil At Top, Add</i>	19.37	
32 32 53 00-0052	LF	\$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,542.07	623.62
		<i>For >3:1 Sloped Soil At Top, Add</i>	25.06	
32 32 53 00-0053	LF	\$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,921.19	777.85
		<i>For >3:1 Sloped Soil At Top, Add</i>	31.07	

32 33 Site Furnishings (32 30)**32 33 13 Site Bicycle Racks** (32 33)

32 33 13 00-0001 Bicycle Organizer And Rack (32 33 13)

32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized (32 33 13 00-0001)

32 33 13 00-0003 Double Sided (32 33 13 00-0002)

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	818.00	129.94
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes.....	1,230.24	213.47
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes.....	2,127.65	324.86

32 33 13 00-0007 Single Sided (32 33 13 00-0002)

32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes.....	715.73	116.02
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes.....	1,007.46	193.06
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes.....	1,733.27	290.05

32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)

32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack.....	129.92	
		Note: Anchoring frame to ground.		

32 33 13 00-0013 Bike Racks Ground Loop (32 33 13 00-0001)

Note: In-ground mount.

32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes.....	1,063.28	227.68
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32 33 13 00-0015 Serpentine Bike Racks (32 33 13 00-0001)

Note: In-ground mount.

32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized.....	583.38	139.23
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized.....	802.41	150.83
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized.....	1,021.44	162.43
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized.....	1,268.44	174.03
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized.....	1,515.46	185.63
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized.....	1,650.56	197.24

32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized.....	665.40	139.23
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized.....	861.54	150.83
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized.....	1,057.68	162.43
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized.....	1,232.20	174.03
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized.....	1,428.35	185.63
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized.....	1,667.72	197.24

32 33 13 00-0030 Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0031	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated.....	583.38	139.23
32 33 13 00-0032	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated.....	802.41	150.83
32 33 13 00-0033	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated.....	1,021.44	162.43
32 33 13 00-0034	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated.....	1,268.44	174.03
32 33 13 00-0035	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated.....	1,515.46	185.63
32 33 13 00-0036	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated.....	1,650.56	197.24

32 33 13 00-0037 Powder Coated, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)

32 33 13 00-0038	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated.....	687.02	139.23
32 33 13 00-0039	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated.....	904.77	150.83
32 33 13 00-0040	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated.....	1,100.92	162.43
32 33 13 00-0041	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated.....	1,340.29	174.03
32 33 13 00-0042	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated.....	1,536.44	185.63
32 33 13 00-0043	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated.....	1,797.43	197.24

32 33 13 00-0044 Stainless Steel, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0045	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	1,134.47	139.23
32 33 13 00-0046	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,707.38	150.83
32 33 13 00-0047	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,280.33	162.43
32 33 13 00-0048	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,931.80	174.03
32 33 13 00-0049	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,583.26	185.63
32 33 13 00-0050	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,920.59	197.24
32 33 13 00-0051		Stainless Steel, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)		
32 33 13 00-0052	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	881.57	139.23
32 33 13 00-0053	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,985.63	150.83
32 33 13 00-0054	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,614.12	162.43
32 33 13 00-0055	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	3,199.37	174.03
32 33 13 00-0056	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,806.24	185.63
32 33 13 00-0057	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	4,434.72	197.24
32 33 13 00-0058		Bike Racks Bollards/Bicycle Posts (32 33 13 00-0001)		
		Note: In-ground mount.		
32 33 13 00-0059	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	652.48	104.42
32 33 23		Site Trash and Litter Receptacles (32 33)		
32 33 23 00-0001		Steel Trash Containment (32 33 23)		
32 33 23 00-0002		Steel Frame Surrounded With Kiln-Dried Wood (32 33 23 00-0001)		
32 33 23 00-0003	EA	13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	560.76	55.43
32 33 23 00-0004	EA	24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	535.02	55.43
32 33 23 00-0005	EA	21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	535.02	55.43
32 33 23 00-0006	EA	24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	506.06	55.43
32 33 23 00-0007	EA	18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	560.76	55.43
32 33 23 00-0008	EA	23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	506.06	55.43
32 33 23 00-0009	EA	24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	695.89	55.43
32 33 23 00-0010		Square Steel Frames Surrounded With Flat Steel (32 33 23 00-0001)		
32 33 23 00-0011	EA	26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	1,019.68	55.43
32 33 23 00-0012	EA	26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,101.44	55.43
32 33 23 00-0013	EA	26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,101.44	55.43
32 33 23 00-0014		Round Steel Pipe And Flat Steel Frames (32 33 23 00-0001)		
		Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA	21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,510.27	55.43
32 33 23 00-0016	EA	21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,627.08	55.43
32 33 23 00-0017	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,875.30	55.43
32 33 23 00-0018	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,700.08	55.43
32 33 23 00-0019		Round Steel Pipe Surrounded With Perforated (32 33 23 00-0001)		
32 33 23 00-0020	EA	21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	1,349.66	55.43
32 33 23 00-0021	EA	21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	1,466.47	55.43
32 33 23 00-0022	EA	21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,714.68	55.43
32 33 23 00-0023	EA	21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,554.07	55.43
32 33 23 00-0024		Round Steel Pipe Frames Surrounded With Welded Wire (32 33 23 00-0001)		
32 33 23 00-0025	EA	21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,072.24	55.43
32 33 23 00-0026	EA	21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,189.05	55.43
32 33 23 00-0027	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,437.27	55.43
32 33 23 00-0028	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,276.66	55.43
32 33 23 00-0029		Litter Baskets (32 33 23)		
32 33 23 00-0030		Round Wire Litter Baskets (32 33 23 00-0029)		
32 33 23 00-0031	EA	1.33' Diameter x 1.83' High Round Wire Litter Basket	189.68	5.64
32 33 23 00-0032	EA	1.5' Diameter x 1.83' High Round Wire Litter Basket	239.64	5.64
32 33 23 00-0033	EA	1.75' Diameter x 2.33' High Round Wire Litter Basket	324.43	5.64
32 33 23 00-0034	EA	1.83' Diameter x 2.83' High Round Wire Litter Basket	372.27	5.64
32 33 23 00-0035		Trash Can/Wire Basket Holder (32 33 23 00-0029)		
32 33 23 00-0036	EA	Steel Post, Single Holder	267.38	45.26
32 33 23 00-0037	EA	Steel Post, Double Holder	363.00	45.26
32 33 23 00-0038	EA	Redwood Post, Single Holder	150.53	45.26
32 33 23 00-0039	EA	Redwood Post, Double Holder	175.74	45.26
32 33 23 00-0040		Litter Receptacles, Freestanding (32 33 23 00-0029)		
		Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
32 33 23 00-0041	EA 16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded..... For Powder Coated Sand Pan, Add For Orange Peel Lid, Add For Polished Granite Lid, Add	1,526.23		23.10
32 33 23 00-0042	EA 16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded..... For Powder Coated Sand Pan, Add For Orange Peel Lid, Add For Polished Granite Lid, Add	1,606.67		23.10
32 33 23 00-0043	EA 20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded..... For Powder Coated Sand Pan, Add For Orange Peel Lid, Add For Polished Granite Lid, Add	1,871.07		34.64
32 33 23 00-0044	EA 20" Diameter x 40" High Litter Receptacle, Freestanding Embedded..... For Powder Coated Sand Pan, Add For Orange Peel Lid, Add For Polished Granite Lid, Add	1,951.51		34.64
32 33 23 00-0045	EA 16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole For Powder Coated Sand Pan, Add For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add For Orange Peel Lid, Add For Polished Granite Lid, Add	2,031.95		34.64
32 33 23 00-0046	EA 16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole For Powder Coated Sand Pan, Add For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add For Orange Peel Lid, Add For Polished Granite Lid, Add	2,112.39		34.64
32 33 23 00-0047	EA 16" Diameter x 28" High Litter Receptacle, Wall Mount..... For Powder Coated Sand Pan, Add For Orange Peel Lid, Add For Polished Granite Lid, Add For 1-1/2" x 6" Diameter Metal Cover Plate, Add	1,684.87		30.02
32 33 23 00-0048	EA 16" Diameter x 32" High Litter Receptacle, Wall Mount..... For Powder Coated Sand Pan, Add For Orange Peel Lid, Add For Polished Granite Lid, Add For 1-1/2" x 6" Diameter Metal Cover Plate, Add	1,765.31		30.02
32 33 23 00-0049	Ash Receptacles (32 33 23)			
32 33 23 00-0050	EA 12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded..... For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add For Sand Pan, Add For Bowl And Funnel, Add	664.65		23.10
32 33 23 00-0051	EA 18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	281.25		23.10
32 33 23 00-0052	Trash Receptacles (32 33 23)			
32 33 23 00-0053	EA Outdoor Covered Steel Receptacle With Liner.....	1,252.75		23.10
32 33 23 00-0054	EA Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame.....	493.92		23.10
32 33 23 00-0055	EA 24" x 24" Square Trash Containment With Exposed Aggregate Finish.....	717.29		23.10
32 33 23 00-0056	EA 30" x 30" Square Trash Containment With Exposed Aggregate Finish.....	748.22		25.40
32 33 23 00-0057	EA 36" x 36" Square Trash Containment With Exposed Aggregate Finish.....	805.47		27.71
32 33 23 00-0058	EA 32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber.....	546.97		18.47
32 33 23 00-0059	EA 32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber.....	653.23		18.47
32 33 23 00-0060	EA 24" x 24" Square 18" High Trash Receptacle, Fiberglass.....	1,157.09		23.10
32 33 23 00-0061	Trash Containers (Dumpsters) (32 33 23)			
32 33 23 00-0062	EA 1 CY Straight Side Trash Dumpster.....	311.21		
32 33 23 00-0063	EA 1.5 CY Straight Side Trash Dumpster.....	466.82		
32 33 23 00-0064	EA 2 CY Straight Side Trash Dumpster.....	622.43		
32 33 23 00-0065	EA 2 CY Sloped Side Trash Dumpster.....	622.43		
32 33 23 00-0066	EA 3 CY Sloped Side Trash Dumpster.....	933.64		
32 33 23 00-0067	EA 4 CY Sloped Side Trash Dumpster.....	1,244.85		
32 33 23 00-0068	EA 6 CY Sloped Side Trash Dumpster.....	1,867.28		
32 33 23 00-0069	EA 8 CY Sloped Side Trash Dumpster.....	2,489.71		
32 33 33	Site Manufactured Planters (32 33)			
32 33 33 00-0001	Precast Concrete Planters (32 33 33)			
32 33 33 00-0002	Circular Precast Concrete Planters (32 33 33 00-0001)			
32 33 33 00-0003	EA 24" Diameter, 17" Height, Circular Precast Concrete Planter.....	634.50		28.61
32 33 33 00-0004	EA 24" Diameter, 24" Height, Circular Precast Concrete Planter.....	711.58		34.34
32 33 33 00-0005	EA 24" Diameter, 33" Height, Circular Precast Concrete Planter.....	777.23		34.34
32 33 33 00-0006	EA 30" Diameter, 17" Height, Circular Precast Concrete Planter.....	844.67		40.06
32 33 33 00-0007	EA 30" Diameter, 30" Height, Circular Precast Concrete Planter.....	1,023.94		51.50
32 33 33 00-0008	EA 36" Diameter, 24" Height, Circular Precast Concrete Planter.....	1,112.75		51.50
32 33 33 00-0009	EA 36" Diameter, 30" Height, Circular Precast Concrete Planter.....	1,253.56		57.23
32 33 33 00-0010	EA 48" Diameter, 17" Height, Circular Precast Concrete Planter.....	1,323.06		57.23
32 33 33 00-0011	EA 48" Diameter, 24" Height, Circular Precast Concrete Planter.....	1,477.16		71.54
32 33 33 00-0012	EA 48" Diameter, 30" Height, Circular Precast Concrete Planter.....	1,571.27		76.11
32 33 33 00-0013	EA 48" Diameter, 36" Height, Circular Precast Concrete Planter.....	1,637.20		80.12
32 33 33 00-0014	EA 60" Diameter, 17" Height, Circular Precast Concrete Planter.....	1,486.15		71.54
32 33 33 00-0015	EA 60" Diameter, 24" Height, Circular Precast Concrete Planter.....	1,635.27		80.12
32 33 33 00-0016	EA 60" Diameter, 36" Height, Circular Precast Concrete Planter.....	2,088.85		85.84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0017	EA		72" Diameter, 36" Height, Circular Precast Concrete Planter	2,709.97	108.73
32 33 33 00-0018	EA		84" Diameter, 36" Height, Circular Precast Concrete Planter	3,144.22	114.46
32 33 33 00-0019			Square Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0020	EA		36" Square, 30" Height, Square Precast Concrete Planter	1,285.37	74.40
32 33 33 00-0021	EA		42" Square, 30" Height, Square Precast Concrete Planter	1,469.74	80.12
32 33 33 00-0022	EA		60" Square, 36" Height, Square Precast Concrete Planter	2,308.80	91.56
32 33 33 00-0023	EA		72" Square, 36" Height, Square Precast Concrete Planter	2,463.11	97.29
32 33 33 00-0024			Rectangular Precast Concrete Planters (32 33 33 00-0001)		
32 33 33 00-0025	EA		33" x 18", 20" Height, Rectangular Precast Concrete Planter	740.54	34.34
32 33 33 00-0026	EA		48" x 18", 20" Height, Rectangular Precast Concrete Planter	873.35	51.50
32 33 33 00-0027	EA		60" x 18", 20" Height, Rectangular Precast Concrete Planter	1,012.22	57.23
32 33 33 00-0028	EA		72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,154.74	71.54
32 33 33 00-0029			Fiberglass Planters (32 33 33)		
32 33 33 00-0030			Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0031	EA		36" Diameter, 27" High, Circular Fiberglass Planter	2,082.55	28.61
32 33 33 00-0032	EA		60" Diameter, 39" High, Circular Fiberglass Planter	3,478.36	28.61
32 33 33 00-0033	EA		36" Diameter, 24" High, Circular Fiberglass Planter	1,382.15	28.61
32 33 33 00-0034	EA		60" Diameter, 24" High, Circular Fiberglass Planter	2,742.54	28.61
32 33 33 00-0035			Tapered Circular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0036	EA		24" Diameter, 20" High, Tapered Circular Fiberglass Planter	798.74	28.61
32 33 33 00-0037	EA		30" Diameter, 25" High, Tapered Circular Fiberglass Planter	1,179.84	28.61
32 33 33 00-0038	EA		36" Diameter, 30" High, Tapered Circular Fiberglass Planter	2,117.97	28.61
32 33 33 00-0039	EA		40" Diameter, 36" High, Tapered Circular Fiberglass Planter	2,965.07	28.61
32 33 33 00-0040			Square Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0041	EA		24" Square, 21" High, Square Fiberglass Planter	1,054.82	28.61
32 33 33 00-0042	EA		24" Square, 24" High, Square Fiberglass Planter	1,078.70	28.61
32 33 33 00-0043	EA		30" Square, 12" High, Square Fiberglass Planter	1,091.33	28.61
32 33 33 00-0044	EA		30" Square, 21" High, Square Fiberglass Planter	1,240.54	28.61
32 33 33 00-0045	EA		30" Square, 24" High, Square Fiberglass Planter	1,349.25	28.61
32 33 33 00-0046			Rectangular Fiberglass Planters (32 33 33 00-0029)		
32 33 33 00-0047	EA		48" x 12", 12" High, Rectangular Fiberglass Planter	1,216.91	28.61
32 33 33 00-0048	EA		48" x 12", 21" High, Rectangular Fiberglass Planter	1,306.06	28.61
32 33 33 00-0049	EA		48" x 24", 12" High, Rectangular Fiberglass Planter	1,707.53	28.61
32 33 33 00-0050	EA		48" x 24", 21" High, Rectangular Fiberglass Planter	1,885.83	28.61
32 33 33 00-0051			Timber Planters (32 33 33)		
32 33 33 00-0052			Square Timber Planters (32 33 33 00-0051)		
32 33 33 00-0053	EA		14" Square, 30" High, Square Timber Planter	585.83	55.43
32 33 33 00-0054	EA		21" Square, 30" High, Square Timber Planter	585.83	55.43
32 33 33 00-0055	EA		27" Square, 30" High, Square Timber Planter	1,115.64	55.43
32 33 33 00-0056	EA		34" Square, 30" High, Square Timber Planter	966.40	55.43
32 33 33 00-0057	EA		41" Square, 36" High, Square Timber Planter	1,152.95	55.43
32 33 33 00-0058	EA		54" Square, 36" High, Square Timber Planter	2,973.70	55.43
32 33 33 00-0059	EA		81" Square, 36" High, Square Timber Planter	4,473.58	55.43
32 33 33 00-0060			Rectangular Timber Planters (32 33 33 00-0051)		
32 33 33 00-0061	EA		21" x 14", 30" High, Rectangular Timber Planter	578.37	55.43
32 33 33 00-0062	EA		27" x 14", 30" High, Rectangular Timber Planter	645.53	55.43
32 33 33 00-0063	EA		27" x 21", 30" High, Rectangular Timber Planter	847.00	55.43
32 33 33 00-0064	EA		34" x 21", 30" High, Rectangular Timber Planter	936.55	55.43
32 33 33 00-0065	EA		41" x 21", 30" High, Rectangular Timber Planter	1,205.18	55.43
32 33 33 00-0066	EA		34" x 27", 30" High, Rectangular Timber Planter	1,399.20	55.43
32 33 33 00-0067	EA		41" x 27", 30" High, Rectangular Timber Planter	1,563.36	55.43
32 33 33 00-0068	EA		54" x 27", 30" High, Rectangular Timber Planter	2,033.47	55.43
32 33 33 00-0069	EA		54" x 34", 30" High, Rectangular Timber Planter	2,294.65	55.43
32 33 33 00-0070	EA		68" x 34", 36" High, Rectangular Timber Planter	2,615.52	55.43
32 33 33 00-0071	EA		54" x 41", 36" High, Rectangular Timber Planter	2,488.66	55.43
32 33 33 00-0072	EA		68" x 41", 36" High, Rectangular Timber Planter	2,816.99	55.43
32 33 33 00-0073	EA		81" x 41", 36" High, Rectangular Timber Planter	3,152.79	55.43
32 33 43			Site Seating and Tables (32 33)		
32 33 43 13			Site Seating (32 33 43)		
32 33 43 13-0001			Benches (Landscapeforms) (32 33 43 13)		
Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.					
32 33 43 13-0002	EA		72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,642.81	92.38
32 33 43 13-0003	EA		72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	2,051.06	92.38

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 33 43 13-0004	EA	96" Backed Wood Bench (Landscapeforms Balustrade)	2,313.51	92.38
32 33 43 13-0005	EA	End Loop Arms For Backed Bench (Landscapeforms Balustrade)	192.00	23.10
32 33 43 13-0006	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,794.95	92.38
32 33 43 13-0007	EA	96" Backless Wood Bench (Landscapeforms Gretchen's)	2,029.51	92.38
32 33 43 13-0008	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	2,213.35	92.38
32 33 43 13-0009	EA	96" Backed Wood Bench (Landscapeforms Gretchen's)	2,498.61	92.38
32 33 43 13-0010	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,530.31	92.38
32 33 43 13-0011	EA	96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,815.58	92.38
32 33 43 13-0012	EA	59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,281.64	92.38
32 33 43 13-0013	EA	75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,565.90	92.38
32 33 43 13-0014	EA	42" Backless Metal Grid Bench (Landscapeforms Manistee)	931.50	69.29
32 33 43 13-0015	EA	62" Backless Metal Grid Bench (Landscapeforms Manistee)	1,006.30	69.29
32 33 43 13-0016	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee)	1,089.24	80.84
32 33 43 13-0017	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,268.77	80.84
32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee)	1,164.04	80.84
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,238.84	80.84
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,336.75	92.38
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,531.24	92.38
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,298.69	80.84
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,396.59	92.38
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,471.39	92.38
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,665.88	92.38
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,644.42	92.38
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade)	3,037.45	92.38
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,701.13	92.38
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,051.06	92.38
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,226.02	92.38
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell)	2,168.97	92.38
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,403.53	92.38
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell)	2,657.10	92.38
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,891.65	92.38
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	3,132.54	92.38
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,758.53	92.38
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	2,993.08	92.38
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell)	3,379.78	92.38
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,627.01	92.38
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,855.22	92.38
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	629.42	23.10
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	844.95	23.10
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	844.95	23.10
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	768.88	23.10
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	952.72	23.10
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	952.72	23.10
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	952.72	23.10
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus)	192.00	23.10
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio)	882.99	23.10
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	978.08	23.10
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,073.17	23.10
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio)	1,066.83	23.10
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,161.92	23.10
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,257.01	23.10
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio)	1,054.15	23.10
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,149.24	23.10
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,244.33	23.10
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,288.70	23.10
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,383.79	23.10
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,478.88	23.10
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,288.70	23.10
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,383.79	23.10
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,478.88	23.10
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,769.59	92.38
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,794.95	92.38
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	2,181.65	92.38
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough)	2,644.42	92.38
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough)	3,119.87	92.38
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough)	3,569.96	92.38
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,427.27	92.38
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,896.38	92.38
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,940.76	92.38
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,232.36	92.38
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,517.63	92.38
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,815.58	92.38
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	3,107.19	92.38
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	2,517.63	92.38
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	3,043.79	92.38
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	3,557.28	92.38
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,855.22	92.38
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	4,489.15	92.38
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	4,780.76	92.38
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	5,066.03	92.38
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,207.65	80.84
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,454.89	80.84
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,588.01	80.84
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,858.35	92.38
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	2,105.58	92.38

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 33 43 13-0089

Benches (Columbia Cascade, TimberForm) (32 33 43 13)

32 33 43 13-0090

Wood Benches (Columbia Cascade, TimberForm) (32 33 43 13-0089)

Note: Includes powder coated steel frames.

32 33 43 13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E).....	891.43	46.20
32 33 43 13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E).....	1,023.55	46.20
32 33 43 13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E).....	1,314.17	46.20
32 33 43 13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P).....	931.09	46.20
32 33 43 13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P).....	1,063.19	46.20
32 33 43 13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P).....	1,367.02	46.20
32 33 43 13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E).....	1,367.02	46.20
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E).....	1,591.59	46.20
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E).....	2,053.93	46.20
32 33 43 13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P).....	1,433.07	46.20
32 33 43 13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P).....	1,657.64	46.20
32 33 43 13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P).....	2,146.40	46.20
32 33 43 13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E).....	2,648.38	46.20
32 33 43 13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E).....	3,110.73	46.20
32 33 43 13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E).....	4,075.06	46.20
32 33 43 13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P).....	2,714.43	46.20
32 33 43 13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P).....	3,176.78	46.20
32 33 43 13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P).....	4,167.53	46.20
32 33 43 13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E).....	1,036.77	46.20
32 33 43 13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E).....	1,168.87	46.20
32 33 43 13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P).....	1,076.40	46.20
32 33 43 13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P).....	1,208.50	46.20
32 33 43 13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E).....	1,736.90	46.20
32 33 43 13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E).....	2,053.93	46.20
32 33 43 13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P).....	1,842.58	46.20
32 33 43 13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P).....	2,159.61	46.20
32 33 43 13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6).....	1,086.19	69.29
32 33 43 13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8).....	1,139.03	69.29
32 33 43 13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10).....	1,548.54	69.29
32 33 43 13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E).....	838.62	46.20
32 33 43 13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E).....	970.72	46.20
32 33 43 13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E).....	1,102.82	46.20
32 33 43 13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E).....	1,419.86	46.20
32 33 43 13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E).....	1,551.96	46.20
32 33 43 13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P).....	851.83	46.20
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P).....	983.93	46.20
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P).....	1,116.03	46.20
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P).....	1,459.49	46.20
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P).....	1,591.59	46.20
32 33 43 13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E).....	1,446.28	46.20
32 33 43 13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E).....	1,670.85	46.20
32 33 43 13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10- E).....	2,159.61	46.20
32 33 43 13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12- E).....	2,384.18	46.20
32 33 43 13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P).....	1,472.70	46.20
32 33 43 13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P).....	1,697.27	46.20
32 33 43 13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P).....	2,199.24	46.20
32 33 43 13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P).....	2,423.81	46.20
32 33 43 13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E).....	1,446.28	46.20
32 33 43 13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E).....	2,040.72	46.20
32 33 43 13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E).....	1,816.16	46.20
32 33 43 13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E).....	2,397.39	46.20
32 33 43 13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E).....	2,621.96	46.20
32 33 43 13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P).....	1,657.64	46.20
32 33 43 13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P).....	2,080.35	46.20
32 33 43 13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P).....	1,842.58	46.20
32 33 43 13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P).....	2,437.02	46.20
32 33 43 13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P).....	2,661.59	46.20
32 33 43 13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6).....	1,522.12	69.29
32 33 43 13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8).....	1,759.90	69.29
32 33 43 13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10).....	2,261.87	69.29
32 33 43 13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6).....	1,667.43	69.29

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 33 43 13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8).....	1,905.21	69.29
32 33 43 13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10).....	2,486.44	69.29

32 33 43 13-0154 Recycled Plastic Benches (Columbia Cascade, TimberForm) (32 33 43 13-0089)

Note: Includes powder coated steel frames.

32 33 43 13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E).....	1,221.71	46.20
32 33 43 13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E).....	1,670.85	46.20
32 33 43 13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P).....	1,261.34	46.20
32 33 43 13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P).....	1,710.48	46.20
32 33 43 13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E).....	1,921.84	46.20
32 33 43 13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E).....	2,252.08	46.20
32 33 43 13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P).....	2,027.51	46.20
32 33 43 13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P).....	2,357.76	46.20
32 33 43 13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6).....	1,218.29	69.29
32 33 43 13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8).....	1,469.28	69.29
32 33 43 13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10).....	1,733.48	69.29
32 33 43 13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E).....	997.11	46.20
32 33 43 13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E).....	1,340.59	46.20
32 33 43 13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E).....	1,604.79	46.20
32 33 43 13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P).....	1,036.77	46.20
32 33 43 13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P).....	1,380.23	46.20
32 33 43 13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P).....	1,657.64	46.20
32 33 43 13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E).....	1,591.59	46.20
32 33 43 13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E).....	2,146.40	46.20
32 33 43 13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E).....	2,608.75	46.20
32 33 43 13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P).....	1,657.64	46.20
32 33 43 13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P).....	2,238.87	46.20
32 33 43 13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P).....	2,701.22	46.20
32 33 43 13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E).....	3,110.73	46.20
32 33 43 13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E).....	4,286.42	46.20
32 33 43 13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E).....	4,748.77	46.20
32 33 43 13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P).....	3,176.78	46.20
32 33 43 13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P).....	4,378.89	46.20
32 33 43 13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P).....	4,841.24	46.20
32 33 43 13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E).....	1,948.25	46.20
32 33 43 13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E).....	2,714.43	46.20
32 33 43 13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E).....	2,595.54	46.20
32 33 43 13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E).....	2,978.63	46.20
32 33 43 13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E).....	4,009.01	46.20
32 33 43 13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P).....	1,974.67	46.20
32 33 43 13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P).....	2,754.06	46.20
32 33 43 13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P).....	2,635.17	46.20
32 33 43 13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P).....	3,018.26	46.20
32 33 43 13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P).....	4,075.06	46.20
32 33 43 13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6).....	1,852.37	69.29
32 33 43 13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8).....	2,499.65	69.29
32 33 43 13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10).....	3,094.10	69.29
32 33 43 13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6).....	2,076.93	69.29
32 33 43 13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8).....	2,777.06	69.29
32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10).....	3,054.47	69.29
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E).....	891.46	46.20
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E).....	1,168.87	46.20
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E).....	1,578.38	46.20
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E).....	1,855.79	46.20
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E).....	2,159.61	46.20
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P).....	917.88	46.20
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P).....	1,195.29	46.20
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P).....	1,618.01	46.20
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	1,895.42	46.20
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	2,212.45	46.20
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	1,736.90	46.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0211	EA		94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E)	2,384.18	46.20
32 33 43 13-0212	EA		118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E)	2,939.00	46.20
32 33 43 13-0213	EA		142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E)	3,308.88	46.20
32 33 43 13-0214	EA		70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P)	1,763.32	46.20
32 33 43 13-0215	EA		94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P)	2,423.81	46.20
32 33 43 13-0216	EA		118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P)	2,978.63	46.20
32 33 43 13-0217	EA		142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P)	3,361.72	46.20
32 33 43 53 Site Tables (32 33 43)					
32 33 43 53-0001 Tables (32 33 43 53)					
32 33 43 53-0002 Tables (Wabash) (32 33 43 53-0001)					
32 33 43 53-0003	EA		Spyder ADA Round Table (Wabash SY203P)	2,629.72	83.14
32 33 43 53-0004	EA		Shelter With 6' Table (Wabash SH105P)	7,999.69	83.14
32 33 43 53-0005	EA		46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C)	2,417.44	83.14
32 33 43 53-0006	EA		46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I)	2,591.91	92.38
32 33 43 53-0007 Tables (Landscapeforms) (32 33 43 53-0001)					
32 33 43 53-0008	EA		Plexus Companion Table For Backed Seat, Straight Runs	806.02	86.38
32 33 43 53-0009	EA		Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus)	1,008.88	86.38
32 33 43 53-0010	EA		Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,008.88	86.38
32 33 43 53-0011	EA		Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,008.88	86.38
32 33 43 53-0012	EA		6-Person Picnic Table (Landscapeforms Manistee)	3,053.18	86.38
32 33 43 53-0013	EA		4-Person Picnic Table (Landscapeforms Manistee)	2,712.38	86.38
32 33 43 53-0014	EA		2-Person Picnic Table (Landscapeforms Manistee)	2,399.97	86.38
32 33 43 53-0015	EA		Umbrella Stand For Picnic Table (Landscapeforms)	253.57	
32 33 43 53-0016	EA		32" x 72" Picnic Table (Landscapeforms Petoskey)	2,407.10	83.14
32 33 43 53-0017	EA		62" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,268.77	64.67
32 33 43 53-0018	EA		29" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,059.31	64.67
32 33 43 53-0019	EA		58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen)	2,819.66	83.14
32 33 43 53-0020	EA		3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,712.38	86.38
32 33 43 53-0021	EA		4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,712.38	86.38
32 33 43 53-0022	EA		5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,521.78	86.38
32 33 43 53-0023	EA		6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,521.78	86.38
32 33 43 53-0024	EA		3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,896.98	86.38
32 33 43 53-0025	EA		4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,896.98	86.38
32 33 43 53-0026	EA		5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,706.38	86.38
32 33 43 53-0027	EA		6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,706.38	86.38
32 33 43 53-0028	EA		3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,825.98	86.38
32 33 43 53-0029	EA		4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,825.98	86.38
32 33 43 53-0030	EA		5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,692.18	86.38
32 33 43 53-0031	EA		6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,692.18	86.38
32 33 43 53-0032	EA		3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,010.58	86.38
32 33 43 53-0033	EA		4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,010.58	86.38
32 33 43 53-0034	EA		5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,876.78	86.38
32 33 43 53-0035	EA		6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,876.78	86.38
32 33 43 53-0036	EA		3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,882.78	86.38
32 33 43 53-0037	EA		4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,882.78	86.38
32 33 43 53-0038	EA		5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,706.38	86.38
32 33 43 53-0039	EA		6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,706.38	86.38
32 33 43 53-0040	EA		3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,067.38	86.38
32 33 43 53-0041	EA		4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,067.38	86.38
32 33 43 53-0042	EA		5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,890.98	86.38
32 33 43 53-0043	EA		6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,890.98	86.38
32 33 43 53-0044	EA		3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,024.78	86.38
32 33 43 53-0045	EA		4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,024.78	86.38
32 33 43 53-0046	EA		5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,919.38	86.38
32 33 43 53-0047	EA		6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,919.38	86.38
32 33 43 53-0048	EA		3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,209.38	86.38
32 33 43 53-0049	EA		4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,209.38	86.38
32 33 43 53-0050	EA		5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,103.98	86.38
32 33 43 53-0051	EA		6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,103.98	86.38
32 33 43 53-0052	EA		3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,517.63	86.38
32 33 43 53-0053	EA		4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,517.63	86.38
32 33 43 53-0054	EA		5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,316.38	86.38
32 33 43 53-0055	EA		6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,316.38	86.38
32 33 43 53-0056	EA		3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,619.06	86.38
32 33 43 53-0057	EA		4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,619.06	86.38
32 33 43 53-0058	EA		5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,405.13	86.38
32 33 43 53-0059	EA		6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,405.13	86.38
32 33 43 53-0060	EA		3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,631.74	86.38
32 33 43 53-0061	EA		4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,631.74	86.38
32 33 43 53-0062	EA		5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,468.53	86.38
32 33 43 53-0063	EA		6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,468.53	86.38

32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 33 43 53-0064	EA	3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,720.49	86.38
32 33 43 53-0065	EA	4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,720.49	86.38
32 33 43 53-0066	EA	5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,557.28	86.38
32 33 43 53-0067	EA	6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,557.28	86.38
32 33 43 53-0068	EA	3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,682.45	86.38
32 33 43 53-0069	EA	4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,682.45	86.38
32 33 43 53-0070	EA	5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	3,493.88	86.38
32 33 43 53-0071	EA	6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	3,493.88	86.38
32 33 43 53-0072	EA	3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,777.54	86.38
32 33 43 53-0073	EA	4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,777.54	86.38
32 33 43 53-0074	EA	5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,582.63	86.38
32 33 43 53-0075	EA	6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,582.63	86.38
32 33 43 53-0076	EA	3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,840.94	86.38
32 33 43 53-0077	EA	4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,840.94	86.38
32 33 43 53-0078	EA	5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,741.12	86.38
32 33 43 53-0079	EA	6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,741.12	86.38
32 33 43 53-0080	EA	3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,929.69	86.38
32 33 43 53-0081	EA	4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,929.69	86.38
32 33 43 53-0082	EA	5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,829.87	86.38
32 33 43 53-0083	EA	6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,829.87	86.38

32 33 43 53-0084 Tables (Columbia Cascade Co. - TimberForm) (32 33 43 53-0001)

32 33 43 53-0085	EA	Table With Four Chairs (Columbia Cascade Co. 2052-E).....	4,878.18	107.91
32 33 43 53-0086	EA	Table With Four Chairs (Columbia Cascade Co. 2052-P).....	5,957.53	107.91
32 33 43 53-0087	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E).....	4,113.64	107.91
32 33 43 53-0088	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P).....	5,133.03	107.91
32 33 43 53-0089	EA	Table With Four Seats (Columbia Cascade Co. 2054-E).....	2,734.47	107.91
32 33 43 53-0090	EA	Table With Four Seats (Columbia Cascade Co. 2054-P).....	2,974.32	107.91
32 33 43 53-0091	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E).....	2,329.71	107.91
32 33 43 53-0092	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P).....	2,539.58	107.91
32 33 43 53-0093	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E).....	3,049.28	107.91
32 33 43 53-0094	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P).....	3,259.15	107.91
32 33 43 53-0095	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-R).....	4,938.14	107.91
32 33 43 53-0096	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E).....	2,704.49	107.91
32 33 43 53-0097	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P).....	2,914.36	107.91
32 33 43 53-0098	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R).....	4,593.35	107.91
32 33 43 53-0099	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062).....	3,364.09	107.91
32 33 43 53-0100	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P).....	3,603.95	107.91
32 33 43 53-0101	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E).....	3,933.75	107.91
32 33 43 53-0102	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P).....	4,173.60	107.91
32 33 43 53-0103	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E).....	4,938.14	107.91
32 33 43 53-0104	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P).....	5,178.00	107.91
32 33 43 53-0105	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E).....	4,938.14	107.91
32 33 43 53-0106	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P).....	5,178.00	107.91
32 33 43 53-0107	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6).....	1,156.74	43.15
32 33 43 53-0108	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6).....	1,546.51	43.15
32 33 43 53-0109	EA	Gameboard (Columbia Cascade Co. 2095).....	331.03	21.61
32 33 43 53-0110	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E).....	3,364.09	107.91
32 33 43 53-0111	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E).....	3,843.80	107.91
32 33 43 53-0112	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P).....	3,603.95	107.91
32 33 43 53-0113	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P).....	4,083.66	107.91
32 33 43 53-0114	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E).....	3,738.86	107.91
32 33 43 53-0115	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E).....	4,218.58	107.91
32 33 43 53-0116	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P).....	3,978.72	107.91
32 33 43 53-0117	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P).....	4,458.43	107.91
32 33 43 53-0118	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6).....	3,165.54	43.15
32 33 43 53-0119	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8).....	3,555.30	43.15
32 33 43 53-0120	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6).....	3,540.31	43.15
32 33 43 53-0121	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8).....	3,930.08	43.15
32 33 43 53-0122	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E).....	7,966.33	107.91
32 33 43 53-0123	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P).....	8,805.82	107.91
32 33 43 53-0124	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E).....	7,966.33	107.91
32 33 43 53-0125	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P).....	8,805.82	107.91
32 33 43 53-0126	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-E).....	1,954.93	107.91
32 33 43 53-0127	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-E).....	2,149.82	107.91
32 33 43 53-0128	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-E).....	2,344.70	107.91
32 33 43 53-0129	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-P).....	2,089.85	107.91
32 33 43 53-0130	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-P).....	2,284.74	107.91
32 33 43 53-0131	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-P).....	2,479.62	107.91
32 33 43 53-0132	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-E).....	1,909.96	107.91
32 33 43 53-0133	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-E).....	2,044.88	107.91
32 33 43 53-0134	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-E).....	2,179.80	107.91
32 33 43 53-0135	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-P).....	2,044.88	107.91
32 33 43 53-0136	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-P).....	2,179.80	107.91
32 33 43 53-0137	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-P).....	2,314.72	107.91
32 33 43 53-0138	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E).....	1,850.00	107.91
32 33 43 53-0139	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E).....	2,044.88	107.91
32 33 43 53-0140	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E).....	2,239.76	107.91
32 33 43 53-0141	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P).....	1,850.00	107.91
32 33 43 53-0142	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P).....	2,044.88	107.91
32 33 43 53-0143	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P).....	2,239.76	107.91
32 33 43 53-0144	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L).....	1,850.00	107.91
32 33 43 53-0145	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L).....	2,044.88	107.91
32 33 43 53-0146	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L).....	2,239.76	107.91

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32 Exterior Improvements**32 30 Site Improvements****32 33 Site Furnishings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 33 43 53-0232	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P)	1,760.05	107.91
32 33 43 53-0233	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P)	1,820.02	107.91
32 33 43 53-0234	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L)	1,700.09	107.91
32 33 43 53-0235	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L)	1,760.05	107.91
32 33 43 53-0236	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L)	1,820.02	107.91
32 33 43 53-0237	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E)	1,805.03	107.91
32 33 43 53-0238	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E)	1,850.00	107.91
32 33 43 53-0239	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E)	1,894.97	107.91
32 33 43 53-0240	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P)	1,805.03	107.91
32 33 43 53-0241	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P)	1,850.00	107.91
32 33 43 53-0242	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P)	1,894.97	107.91
32 33 43 53-0243	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L)	1,805.03	107.91
32 33 43 53-0244	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L)	1,850.00	107.91
32 33 43 53-0245	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L)	1,894.97	107.91
32 33 43 53-0246	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-E)	1,370.29	107.91
32 33 43 53-0247	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-E)	1,415.26	107.91
32 33 43 53-0248	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-E)	1,460.23	107.91
32 33 43 53-0249	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-P)	1,505.21	107.91
32 33 43 53-0250	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-P)	1,550.18	107.91
32 33 43 53-0251	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-P)	1,595.15	107.91
32 33 43 53-0252	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-E)	1,625.13	107.91
32 33 43 53-0253	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-E)	1,685.10	107.91
32 33 43 53-0254	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-E)	1,745.06	107.91
32 33 43 53-0255	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-P)	1,460.23	107.91
32 33 43 53-0256	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-P)	1,520.20	107.91
32 33 43 53-0257	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-P)	1,580.16	107.91
32 33 43 53-0258	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-E)	1,340.30	107.91
32 33 43 53-0259	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-E)	1,385.28	107.91
32 33 43 53-0260	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-E)	1,430.25	107.91
32 33 43 53-0261	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-P)	1,475.22	107.91
32 33 43 53-0262	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-P)	1,520.20	107.91
32 33 43 53-0263	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-P)	1,565.17	107.91

32 33 43 53-0264 Picnic Tables (32 33 43 53)**32 33 43 53-0265 Concrete Picnic Tables (32 33 43 53-0264)**

32 33 43 53-0266	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quickrete QLB72PT)	2,594.58	184.77
32 33 43 53-0267	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLB796PT Or QLMR96PT)	3,071.01	
		Note: Standard sealer		
32 33 43 53-0268	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA)	3,080.69	
		Note: Standard sealer		
32 33 43 53-0269	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC)	3,266.54	
		Note: Includes table top, four benches and mounting hardware.		

32 33 63 Skate Board Deterrent (32 33)**32 33 63 00-0001 Skate Stoppers (32 33 63)**

32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper	65.18	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-7.05	
		For >99 To 249, Deduct	-8.89	
		For >249, Deduct	-10.73	
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper	69.09	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-7.59	
		For >99 To 249, Deduct	-9.55	
		For >249, Deduct	-11.51	
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper	48.52	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-4.71	
		For >99 To 249, Deduct	-6.05	
		For >249, Deduct	-7.39	
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper	38.70	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-3.34	
		For >99 To 249, Deduct	-4.38	
		For >249, Deduct	-5.43	
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper	42.37	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-3.85	
		For >99 To 249, Deduct	-5.01	
		For >249, Deduct	-6.16	
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper	40.51	
		Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-3.59	
		For >99 To 249, Deduct	-4.69	
		For >249, Deduct	-5.79	
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper	38.09	
		Note: Includes drilling and anchoring into suitable surface material.		
		For >59 To 99, Deduct	-3.25	
		For >99 To 249, Deduct	-4.28	
		For >249, Deduct	-5.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 63 00-0009	EA		Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper Note: Includes drilling and anchoring into suitable surface material. For >59 To 99, Deduct For >99 To 249, Deduct For >249, Deduct	53.09 -5.35 -6.83 -8.31	
32 33 63 00-0010	EA		Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material. For >59 To 99, Deduct For >99 To 249, Deduct For >249, Deduct	98.07 -11.65 -14.48 -17.30	

32 39 Manufactured Site Specialties (32 30)

Note: Excludes core drilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards (32 39)

32 39 13 00-0001 Metal Pipe Bollards (32 39 13)

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)

32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated For Galvanized Steel, Add For 304 Stainless Steel, Add For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add For Schedule 80, Add For Concrete Fill, Add Per LF Of Pipe Bollard	76.85 8.29 65.83 136.36 92.04 10.12 10.27	14.04
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated For Galvanized Steel, Add For 304 Stainless Steel, Add For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add For Schedule 80, Add For Concrete Fill, Add Per LF Of Pipe Bollard	105.00 13.07 103.83 136.36 92.04 14.35 14.51	14.04
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated For Galvanized Steel, Add For 304 Stainless Steel, Add For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add For Each Sleeve For Removable, Lockable Bollard, Add For Schedule 80, Add For Concrete Fill, Add Per LF Of Pipe Bollard	149.19 19.39 154.01 178.44 135.79 20.62 19.37	17.56
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated For Galvanized Steel, Add For 304 Stainless Steel, Add For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add For Each Sleeve For Removable, Lockable Bollard, Add For Schedule 80, Add For Concrete Fill, Add Per LF Of Pipe Bollard	198.21 26.53 210.71 206.52 149.32 27.63 23.71	21.07
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated For Galvanized Steel, Add For 304 Stainless Steel, Add For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add For Each Sleeve For Removable, Lockable Bollard, Add For Schedule 80, Add For Concrete Fill, Add Per LF Of Pipe Bollard	249.87 32.93 261.48 274.87 205.10 34.67 27.68	28.09

32 39 13 00-0008 Cast Bollards (32 39 13 00-0001)

32 39 13 00-0009	EA		36" Cast Aluminum Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.	1,951.98	84.26
32 39 13 00-0010	EA		36" Cast Aluminum Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	3,293.16	84.26
32 39 13 00-0011	EA		36" Cast Iron Bollard, Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.	1,655.47	84.26
32 39 13 00-0012	EA		36" Cast Iron Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	3,004.58	84.26

32 39 23 Manufactured Concrete Bollards (32 39)

32 39 23 00-0001 Concrete Bollards (32 39 23)

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 23 00-0002 Concrete Bollard, Exposed Aggregate (32 39 23 00-0001)

32 39 23 00-0003	EA		12" x 12" x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	680.00	112.36
32 39 23 00-0004	EA		12" Diameter x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	680.00	112.36

32 39 25 Manufactured Wood Bollards (32 39)

32 39 25 00-0001 Wood Bollards (32 39 25)

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 39 25 00-0002	Wood Bollard, Pressure Treated Timber (32 39 25 00-0001)		
32 39 25 00-0003	LF 4" x 4", Pressure Treated Wood Bollard For Each Sleeve For Removable, Lockable Bollard, Add	25.54 90.32	11.23
32 39 25 00-0004	LF 6" x 6", Pressure Treated Wood Bollard For Each Sleeve For Removable, Lockable Bollard, Add	28.77 90.32	11.23
32 39 25 00-0005	LF 8" x 8", Pressure Treated Wood Bollard For Each Sleeve For Removable, Lockable Bollard, Add	36.48 133.91	12.64
32 39 25 00-0006	LF 10" x 10", Pressure Treated Wood Bollard For Each Sleeve For Removable, Lockable Bollard, Add	51.17 150.14	16.85
32 39 25 00-0007	LF 12" x 12", Pressure Treated Wood Bollard For Each Sleeve For Removable, Lockable Bollard, Add	70.08 210.97	22.48

32 39 27 Manufactured Plastic Bollards (32 39)

32 39 27 00-0001	Plastic Bollards (32 39 27) See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.		
32 39 27 00-0002	Recycled Plastic Bollards (32 39 27 00-0001)		
32 39 27 00-0003	EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard Note: Includes anchor bolts.	366.54	56.18
32 39 27 00-0004	EA 6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard.....	592.81	56.18

32 39 27 00-0005	Plastic Bollard Covers (32 39 27 00-0001)		
32 39 27 00-0006	EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe..... For Reflective Tape, Add	91.00 10.67	11.89
32 39 27 00-0007	EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... For Reflective Tape, Add	98.34 10.67	13.09
32 39 27 00-0008	EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe..... For Reflective Tape, Add	124.60 10.67	11.89
32 39 27 00-0009	EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe..... For Reflective Tape, Add	124.60 10.67	11.89
32 39 27 00-0010	EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe..... For Reflective Tape, Add	140.29 10.67	11.89
32 39 27 00-0011	EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe..... For Reflective Tape, Add	124.60 10.67	11.89
32 39 27 00-0012	EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe..... For Reflective Tape, Add	126.84 10.67	11.89
32 39 27 00-0013	EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... For Reflective Tape, Add	124.60 10.67	11.89
32 39 27 00-0014	EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... For Reflective Tape, Add	126.84 10.67	11.89
32 39 27 00-0015	EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe..... For Reflective Tape, Add	178.38 10.67	11.89
32 39 27 00-0016	EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... For Reflective Tape, Add	126.97 10.67	13.09
32 39 27 00-0017	EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... For Reflective Tape, Add	162.82 10.67	13.09
32 39 27 00-0018	EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... For Reflective Tape, Add	185.72 10.67	13.09
32 39 27 00-0019	EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe..... For Reflective Tape, Add	156.24 10.67	14.28
32 39 27 00-0020	EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe..... For Reflective Tape, Add	169.69 10.67	14.28
32 39 27 00-0021	EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe..... For Reflective Tape, Add	169.69 10.67	14.28
32 39 27 00-0022	EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe..... For Reflective Tape, Add	230.20 10.67	14.28

32 39 29 Manufactured Stone Bollards (32 39)

32 39 29 00-0001	Stone Bollards (32 39 29) See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 29 00-0002	Granite Bollards (32 39 29 00-0001)		
32 39 29 00-0003	EA 16" x 16" x 30" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	1,736.92	140.45
32 39 29 00-0004	EA 16" x 16" x 54" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	2,193.42	196.62
32 39 29 00-0005	EA 12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top..... Note: Surface mounted with anchors embedded into grout pockets.	1,059.21	140.45
32 39 29 00-0006	EA 12" Diameter x 18" Granite Bollard, Smooth Matt Finish..... Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,601.31	112.36
32 39 29 00-0007	EA 24" x 24" x 20" Granite Bollard, Octagonal Cross Section..... Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	2,408.75	112.36

32 80 Irrigation (32)**32 84 Planting Irrigation (32 80)****32 84 13 Drip Irrigation (32 84)**

32 84 13 00-0001	Drip Emitter Irrigation Devices (32 84 13)	
32 84 13 00-0002	Drip Emitter Irrigation Valves (32 84 13 00-0001)	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0003	EA		1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	54.53	12.97
32 84 13 00-0004	EA		1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100)	86.48	12.97
32 84 13 00-0005	EA		3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075)	84.25	12.97
32 84 13 00-0006	EA		3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS)	114.26	12.97
32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)					
32 84 13 00-0008	EA		3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	177.69	12.97
32 84 13 00-0009	EA		1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	179.34	12.97
32 84 13 00-0010	EA		3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	68.48	12.97
32 84 13 00-0011	EA		1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	69.81	12.97
32 84 13 00-0012	EA		1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	193.06	12.97
32 84 13 00-0013	EA		3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	88.35	12.97
32 84 13 00-0014	EA		1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	98.69	12.97
32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)					
32 84 13 00-0016	EA		3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	67.14	12.97
32 84 13 00-0017	EA		3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	67.14	12.97
32 84 13 00-0018	EA		3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	67.14	12.97
32 84 13 00-0019	EA		1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	78.02	12.97
32 84 13 00-0020 Drip Emitter Irrigation Tubing (32 84 13 00-0001)					
Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.					
32 84 13 00-0021	LF		1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	4.89	1.81
32 84 13 00-0022	LF		1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	4.52	2.07
32 84 13 00-0023	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	3.84	1.81
For Shallow Trenching And Backfill By Hand, Add				7.46	
32 84 13 00-0024	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	4.55	2.07
For Shallow Trenching And Backfill By Hand, Add				8.08	
32 84 13 00-0025 Drip Emitter Irrigation Fittings (32 84 13 00-0001)					
32 84 13 00-0026	EA		1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	3.44	
32 84 13 00-0027	EA		1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	3.48	
32 84 13 00-0028	EA		1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	3.54	
32 84 13 00-0029	EA		1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	3.73	
32 84 13 00-0030	EA		1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	3.41	
32 84 13 00-0031	EA		17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	3.63	
For Compression Fitting, Add				0.39	
32 84 13 00-0032	EA		17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	3.75	
For Compression Fitting, Add				0.51	
32 84 13 00-0033	EA		17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	3.80	
For Compression Fitting, Add				0.56	
32 84 13 00-0034	EA		17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	3.83	
For Compression Fitting, Add				0.59	
32 84 13 00-0035	EA		17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	4.07	
For Compression Fitting, Add				0.83	
32 84 13 00-0036	EA		1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	4.34	
32 84 13 00-0037	EA		12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	2.14	
32 84 13 00-0038 Drip Emitters (32 84 13 00-0001)					
32 84 13 00-0039	EA		0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	7.10	
32 84 13 00-0040	EA		5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	8.15	
32 84 13 00-0041	EA		0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	17.20	
32 84 13 00-0042 Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters (32 84 13 00-0001)					
32 84 13 00-0043	EA		Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	27.58	11.67
32 84 13 00-0044	EA		Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	27.64	11.67
32 84 13 00-0045	EA		12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	30.56	11.67
32 84 13 00-0046	EA		24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	30.87	11.67
32 84 13 00-0047	EA		4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL)	44.86	15.30
Note: Includes nozzle.					
32 84 13 00-0048	EA		6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL)	48.63	15.30
Note: Includes nozzle.					
32 84 13 00-0049	EA		12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL)	49.76	15.30
Note: Includes nozzle.					

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 84 13 00-0050		Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001)		
		Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	5.17	2.27

32 84 23 Underground Sprinklers (32 84)

32 84 23 00-0001	Sprinkler Heads (32 84 23)		
32 84 23 00-0002	Spray Sprinkler Heads (32 84 23 00-0001) Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA 2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	39.50	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0004	EA 4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	37.36	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0005	EA 6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	45.27	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0006	EA 12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	51.89	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0007	EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	40.34	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0008	EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	51.47	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0009	EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	56.82	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0010	EA 4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	43.51	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0011	EA 6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	53.65	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0012	EA 12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	58.66	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0013	EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	44.78	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0014	EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	60.35	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0015	EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	65.28	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0016	EA Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	33.21	14.33
	For Rotary Nozzle, Add	3.25	
32 84 23 00-0017	EA Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	38.15	14.33
32 84 23 00-0018	Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001) Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019	1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	55.13	14.33
	For Non-Potable Cover, Add	2.00	
32 84 23 00-0021	EA 4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	56.89	14.33
	For Non-Potable Cover, Add	2.00	
32 84 23 00-0022	3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	50.91	14.33
	For Non-Potable Cover, Add	2.00	
	For Stainless Steel Riser, Add	9.00	
32 84 23 00-0024	EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	69.93	14.33
	For Non-Potable Cover, Add	2.00	
	For Stainless Steel Riser, Add	9.00	
32 84 23 00-0025	EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	54.43	14.33
	For Non-Potable Cover, Add	2.00	
	For Stainless Steel Riser, Add	9.00	
32 84 23 00-0026	EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	72.75	14.33
	For Non-Potable Cover, Add	2.00	
	For Stainless Steel Riser, Add	9.00	
32 84 23 00-0027	EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	55.84	14.33
	For Non-Potable Cover, Add	2.00	
	For Stainless Steel Riser, Add	9.00	
32 84 23 00-0028	EA 4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	58.66	14.33
	For Non-Potable Cover, Add	2.00	
	For Stainless Steel Riser, Add	9.00	
32 84 23 00-0029	EA 6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	76.97	14.33
	For Non-Potable Cover, Add	2.00	
	For Stainless Steel Riser, Add	9.00	
32 84 23 00-0030	EA 12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	88.25	14.33
	For Non-Potable Cover, Add	2.00	
	For Stainless Steel Riser, Add	9.00	

			Exterior Improvements		32
			Irrigation		32 80
			Planting Irrigation		32 84
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS).....	58.30		14.33
		For Non-Potable Cover, Add	2.00		
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	69.58		14.33
		For Non-Potable Cover, Add	2.00		
32 84 23 00-0033		1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)			
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.			
32 84 23 00-0034	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	96.35		14.33
		For Non-Potable Cover, Add	2.00		
		For Stainless Steel Riser, Add	9.00		
		For Stainless Steel Riser And High Speed Rotor, Add	51.86		
32 84 23 00-0035		1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)			
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.			
32 84 23 00-0036	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	137.21		14.33
		For Non-Potable Cover, Add	2.00		
		For Stainless Steel Riser, Add	9.00		
32 84 23 00-0037		Impact-Drive Sprinkler Heads (32 84 23 00-0001)			
		Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.			
32 84 23 00-0038	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	76.62		14.33
		For Non-Potable Cover, Add	2.00		
32 84 23 00-0039	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	59.71		14.33
32 84 23 00-0040	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	116.05		14.33
32 84 23 00-0041		Electric Remote Control Irrigation Valves (32 84 23)			
32 84 23 00-0042		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) (32 84 23 00-0041)			
		Note: 15 to 150 PSI.			
32 84 23 00-0043	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	166.53		59.72
32 84 23 00-0044	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	166.53		59.72
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS).....	183.60		68.08
32 84 23 00-0046	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA).....	167.94		59.72
32 84 23 00-0047		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) (32 84 23 00-0041)			
		Note: 15 to 150 PSI.			
32 84 23 00-0048	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF).....	167.94		59.72
32 84 23 00-0049	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	185.71		68.08
32 84 23 00-0050	EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	187.12		68.08
32 84 23 00-0051		0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series) (32 84 23 00-0041)			
		Note: 20 to 200 PSI.			
32 84 23 00-0052	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	280.67		59.72
32 84 23 00-0053	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	329.98		59.72
32 84 23 00-0054	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	393.39		59.72
32 84 23 00-0055		5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) (32 84 23 00-0041)			
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.			
32 84 23 00-0056	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	402.95		67.13
32 84 23 00-0057	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	452.27		67.13
32 84 23 00-0058	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	515.68		67.13
32 84 23 00-0059		20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) (32 84 23 00-0041)			
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.			
32 84 23 00-0060	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D).....	473.40		67.13
32 84 23 00-0061	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	522.72		67.13
32 84 23 00-0062	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D).....	586.13		67.13

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 84 23 00-0063		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B).....	420.93	59.72
32 84 23 00-0065	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B).....	647.67	59.72
32 84 23 00-0066	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B).....	668.17	59.72
32 84 23 00-0067	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B).....	1,575.46	80.63
32 84 23 00-0068		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) (32 84 23 00-0041) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP).....	387.66	67.13
32 84 23 00-0070	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP).....	455.08	67.13
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP).....	528.29	67.13
32 84 23 00-0072	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP).....	624.67	67.13
32 84 23 00-0073		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS).....	514.39	67.13
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS).....	783.41	67.13
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS).....	806.46	67.13
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS).....	1,685.23	67.13
32 84 23 00-0078		0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ).....	523.41	59.72
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ).....	750.15	59.72
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ).....	770.65	59.72
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ).....	1,677.94	80.63
32 84 23 00-0083		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) (32 84 23 00-0041) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D).....	493.34	67.13
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	560.77	67.13
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	633.97	67.13
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	730.35	67.13
32 84 23 00-0088		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) (32 84 23 00-0041) Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	616.87	67.13
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	885.89	67.13
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	908.94	67.13
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	1,787.71	67.13
32 84 23 00-0093		Other Electric Remote Control Valves/Accessories (32 84 23 00-0041)		
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL).....	153.45	
32 84 23 00-0095		Irrigation Valve Boxes (32 84 23) Note: Includes lid.		
32 84 23 00-0096	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	101.06	43.00
32 84 23 00-0097	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	117.70	43.00
32 84 23 00-0098	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	154.41	56.61

			Exterior Improvements		32
			Irrigation		32 80
			Planting Irrigation		32 84
			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
MINOR	CSI	UOM DESCRIPTION			
32 84 23 00-0099	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	260.55		82.65
32 84 23 00-0100	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	265.87		82.65
32 84 23 00-0101	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	304.04		82.65
32 84 23 00-0102	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	308.58		82.65
32 84 23 00-0103	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	526.68		82.65
32 84 23 00-0104	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	809.17		82.65
32 84 23 00-0105		Irrigation Controllers (32 84 23)			
32 84 23 00-0106		Irrigation Controllers (32 84 23 00-0105)			
32 84 23 00-0107		Irrigation Controllers (Rain Bird®) (32 84 23 00-0106)			
32 84 23 00-0108		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) (32 84 23 00-0107)			
32 84 23 00-0109		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0108)			
32 84 23 00-0110		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) (32 84 23 00-0109)			
32 84 23 00-0111	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	410.98		36.96
32 84 23 00-0112	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	573.85		36.96
32 84 23 00-0113	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	736.73		36.96
32 84 23 00-0114	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	899.60		36.96
32 84 23 00-0115	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,025.53		36.96
32 84 23 00-0116	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,193.04		36.96
32 84 23 00-0117	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,360.54		36.96
32 84 23 00-0118		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0109)			
32 84 23 00-0119	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	483.05		36.96
32 84 23 00-0120	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	645.93		36.96
32 84 23 00-0121	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	808.81		36.96
32 84 23 00-0122	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	971.68		36.96
32 84 23 00-0123	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,097.61		36.96
32 84 23 00-0124	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,265.12		36.96
32 84 23 00-0125	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,432.61		36.96
32 84 23 00-0126		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0108)			
32 84 23 00-0127		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) (32 84 23 00-0126)			
32 84 23 00-0128	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	661.34		36.96
32 84 23 00-0129	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	824.21		36.96
32 84 23 00-0130	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	987.09		36.96
32 84 23 00-0131	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,149.97		36.96
32 84 23 00-0132	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,275.90		36.96
32 84 23 00-0133	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,443.41		36.96
32 84 23 00-0134	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,610.90		36.96
32 84 23 00-0135		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0126)			
32 84 23 00-0136	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	715.35		36.96
32 84 23 00-0137	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	878.22		36.96
32 84 23 00-0138	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,041.10		36.96
32 84 23 00-0139	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,203.97		36.96
32 84 23 00-0140	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,329.90		36.96
32 84 23 00-0141	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,497.41		36.96
32 84 23 00-0142	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,664.90		36.96
32 84 23 00-0143		Accessories For ESP-ME/MEI Irrigation Controllers (32 84 23 00-0108)			
32 84 23 00-0144	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22- stations.	167.50		
32 84 23 00-0145	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22- stations.	319.96		
32 84 23 00-0146	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG)	460.94		
32 84 23 00-0147		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) (32 84 23 00-0107)			
32 84 23 00-0148		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) (32 84 23 00-0147)			
32 84 23 00-0149	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	978.75		36.96
32 84 23 00-0150	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,184.23		36.96
32 84 23 00-0151	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,393.21		36.96

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
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32 84 23 00-0152	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,598.70	36.96
32 84 23 00-0153	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,807.68	36.96
32 84 23 00-0154	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,013.17	36.96
32 84 23 00-0155	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,222.16	36.96
32 84 23 00-0156	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,427.64	36.96
32 84 23 00-0157	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,636.62	36.96
32 84 23 00-0158	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,842.12	36.96

32 84 23 00-0159 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0147)

32 84 23 00-0160	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	982.98	36.96
32 84 23 00-0161	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,188.47	36.96
32 84 23 00-0162	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,397.45	36.96
32 84 23 00-0163	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,602.94	36.96
32 84 23 00-0164	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,811.93	36.96
32 84 23 00-0165	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,017.41	36.96
32 84 23 00-0166	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,226.39	36.96
32 84 23 00-0167	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,431.88	36.96
32 84 23 00-0168	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,640.86	36.96
32 84 23 00-0169	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,846.35	36.96
32 84 23 00-0170	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	3,055.34	36.96

32 84 23 00-0171 Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0147)

32 84 23 00-0172	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	730.30	
32 84 23 00-0173	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMPED + LXMM).....	1,696.55	
Note: Excludes concrete foundation.				
32 84 23 00-0174	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	1,612.90	
32 84 23 00-0175	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS).....	3,584.10	
Note: Excludes concrete foundation.				
32 84 23 00-0176	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4).....	205.48	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.				
32 84 23 00-0177	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	414.48	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.				
32 84 23 00-0178	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	643.99	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.				
32 84 23 00-0179	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	239.94	

32 84 23 00-0180 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0107)

32 84 23 00-0181 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0180)

32 84 23 00-0182	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	477.88	36.96
32 84 23 00-0183	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	576.00	36.96
32 84 23 00-0184	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	712.83	36.96

32 84 23 00-0185 Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0180)

32 84 23 00-0186	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	611.70	
32 84 23 00-0187	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL).....	119.60	27.71

32 84 23 00-0188 Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0107)

32 84 23 00-0189	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBE).....	168.53	27.71
32 84 23 00-0190	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC).....	347.31	27.71
32 84 23 00-0191	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....	368.28	27.71
32 84 23 00-0192	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....	550.04	27.71

32 84 23 00-0193 Two-Wire Decoder Systems (32 84 23 00-0105)

32 84 23 00-0194 Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0193)

32 84 23 00-0195 Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)

(32 84 23 00-0194)

Note: Includes water resistant cabinet.

32 84 23 00-0196	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	2,850.07	36.96
32 84 23 00-0197	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	4,038.56	36.96
32 84 23 00-0198	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	5,227.04	36.96

32 84 23 00-0199 Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0194)

32 84 23 00-0200	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	347.84	36.96
32 84 23 00-0201	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF).....	443.22	36.96
32 84 23 00-0202	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF).....	664.36	36.96
32 84 23 00-0203	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	812.52	36.96
32 84 23 00-0204	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF).....	1,348.94	36.96

			Exterior Improvements		32
			Irrigation		32 80
			Planting Irrigation		32 84
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			UNIT COST	UNIT COST	
32 84 23 00-0205		Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0194)			
32 84 23 00-0206	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	2,113.02		
32 84 23 00-0207	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75).....	1,188.48		
32 84 23 00-0208	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF).....	262.66		32.33
32 84 23 00-0209	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....	1,202.19		36.96
32 84 23 00-0210		Calsense Controllers (32 84 23 00-0105)			
32 84 23 00-0211		Irrigation Controllers (32 84 23 00-0210)			
32 84 23 00-0212	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6).....	2,884.42		92.38
32 84 23 00-0213	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8).....	3,723.69		103.93
32 84 23 00-0214	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12).....	5,115.45		115.48
32 84 23 00-0215	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16).....	5,630.27		115.48
32 84 23 00-0216	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24).....	6,657.87		127.03
32 84 23 00-0217	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32).....	8,039.08		127.03
32 84 23 00-0218	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40).....	9,104.37		138.58
32 84 23 00-0219	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48).....	10,196.79		138.58
32 84 23 00-0220	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE).....	2,946.13		46.20
32 84 23 00-0221	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE).....	1,233.88		46.20
32 84 23 00-0222		Irrigation Controller Accessories (32 84 23 00-0210)			
32 84 23 00-0223	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1).....	120.54		
32 84 23 00-0224	EA	Spare Lock For Enclosures (Calsense PAD).....	130.59		
32 84 23 00-0225	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L).....	153.69		11.55
32 84 23 00-0226	EA	Transformer For Irrigation Controllers (Calsense TR-1).....	217.94		46.20
32 84 23 00-0227	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110).....	607.20		46.20
32 84 23 00-0228	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1).....	808.10		46.20
		For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add	361.57		
32 84 23 00-0229		Sensors For Irrigation Controllers (32 84 23 00-0210)			
32 84 23 00-0230		Flow Sensors (32 84 23 00-0229)			
32 84 23 00-0231	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5).....	1,419.34		69.29
		For Flow Meter Replacement Insert Only, Deduct	-1,031.95		
32 84 23 00-0232	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2).....	1,469.57		69.29
		For Flow Meter Replacement Insert Only, Deduct	-1,082.18		
32 84 23 00-0233	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3).....	1,519.80		69.29
		For Flow Meter Replacement Insert Only, Deduct	-1,132.41		
32 84 23 00-0234	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B).....	1,678.99		92.38
		For Flow Meter Replacement Insert Only, Deduct	-1,291.29		
32 84 23 00-0235	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B).....	1,804.56		92.38
		For Flow Meter Replacement Insert Only, Deduct	-1,416.86		
32 84 23 00-0236	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B).....	1,854.78		92.38
		For Flow Meter Replacement Insert Only, Deduct	-1,467.08		
32 84 23 00-0237	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B).....	2,181.25		92.38
		For Flow Meter Replacement Insert Only, Deduct	-1,665.37		
32 84 23 00-0238	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX).....	1,699.61		46.20
		Note: For 4" and larger pipe. Excludes pipe saddle.			
		For Flow Meter Replacement Insert Only, Deduct	-1,183.73		
32 84 23 00-0239		Moisture Sensors (32 84 23 00-0229)			
32 84 23 00-0240	EA	Soil Moisture Sensor (Calsense 1000-S).....	596.66		34.65
32 84 23 00-0241		Weather Sensors (32 84 23 00-0229)			
32 84 23 00-0242	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1).....	1,628.77		92.38
32 84 23 00-0243	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1).....	1,863.76		184.77
32 84 23 00-0244	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG).....	3,730.19		138.58
32 84 23 00-0245		Weather Sensor Accessories (32 84 23 00-0229)			
32 84 23 00-0246	EA	Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C).....	1,096.90		
32 84 23 00-0247	EA	Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB).....	2,076.31		
32 84 23 00-0248	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	1,096.90		46.20
32 84 23 00-0249	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	2,544.94		46.20
32 84 23 00-0250		Antennas For Irrigation Controllers (32 84 23 00-0210)			
		Note: Excludes antenna cable.			
32 84 23 00-0251	EA	Local Radio Dome Antenna (Calsense LR-DOME).....	569.53		46.20
32 84 23 00-0252	EA	Local Radio Stick Antenna (Calsense LR-STICK).....	833.21		46.20
32 84 23 00-0253	EA	Local Radio Yagi Antenna (Calsense LR-YAGI).....	925.60		92.38
32 84 23 00-0254	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR).....	569.53		46.20
32 84 23 00-0255	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE).....	569.53		46.20
32 84 23 00-0256	EA	GPRS Stubby Antenna (Calsense GR-STUBBY).....	569.53		46.20
32 84 23 00-0257	EA	GPRS Stick Antenna (Calsense GR-STICK).....	833.21		46.20
32 84 23 00-0258	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME).....	569.53		46.20

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
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32 84 23 00-0259	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK).....	833.21	46.20
32 84 23 00-0260	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	925.60	92.38
32 84 23 00-0261	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR).....	569.53	46.20
32 84 23 00-0262	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE).....	569.53	46.20
32 84 23 00-0263	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY).....	569.53	46.20
32 84 23 00-0264	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY).....	569.53	46.20
32 84 23 00-0265	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB).....	15.67	0.55
32 84 23 00-0266	EA	Surge Protection Device For Antenna (Calsense ANT-PROT)	573.57	23.10
32 84 23 00-0267	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5).....	933.67	46.20
32 84 23 00-0268	EA	3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	816.17	
32 84 23 00-0269	EA	Local Radio Frequency Filter (Calsense LR-FILTER).....	1,155.20	
32 84 23 00-0270	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER)	853.84	

32 84 23 00-0271 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0210)

32 84 23 00-0272	EA	15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	515.28	69.29
32 84 23 00-0273	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	1,258.32	115.48
32 84 23 00-0274	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP).....	1,410.81	46.20
		Note: Includes GFI and receptacle.		
32 84 23 00-0275	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1).....	1,689.08	34.65
		Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0276	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE).....	5,307.06	34.65
		Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0277	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R).....	5,995.96	34.65
		Note: Includes factory installed transient protection board, AC line protection and dome antenna.		
32 84 23 00-0278	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)	8,696.41	69.29
		Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.		
32 84 23 00-0279	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R)	9,115.91	69.29
		Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.		
32 84 23 00-0280	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	297.06	
32 84 23 00-0281	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....	960.80	

32 84 23 00-0282 Central Computer For Irrigation Control Systems (32 84 23 00-0210)

32 84 23 00-0283	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2).....	6,690.25	
		Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.		
32 84 23 00-0284	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1).....	11,849.83	
32 84 23 00-0285	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....	2,272.12	
		Note: Package price for up to 5 users. Includes remote communication through internet connection.		
32 84 23 00-0286	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10)	4,479.56	
		Note: Package price for 6 to 10 users. Includes remote communication through internet connection.		
32 84 23 00-0287	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	7,214.55	
32 84 23 00-0288	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G)	4,314.87	

32 84 23 00-0289 Data Access Service (32 84 23 00-0210)

32 84 23 00-0290	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN).....	36.53	
		Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0291	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR).....	399.52	
		Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0292	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR).....	1,712.25	
		Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0293	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M).....	148.40	
		Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0294	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M).....	1,598.10	
		Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0295	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M).....	6,849.00	
		Note: For communication between GPRS unit and multiple controllers.		

32 84 23 00-0296 Communication Options For Irrigation Controllers (32 84 23 00-0210)

32 84 23 00-0297	EA	FCC License Fee (Calsense).....	240.26	
32 84 23 00-0298	EA	P.C.I.A. And/or A.P.C.O. Fee (Calsense)	468.56	
		Note: Per frequency or frequency pair.		
32 84 23 00-0299	EA	Hardware Communication Option For Irrigation Controllers (Calsense M)	1,324.14	
		Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.		
32 84 23 00-0300	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R).....	1,392.63	
32 84 23 00-0301	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN)	1,392.63	
32 84 23 00-0302	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN).....	2,853.75	
32 84 23 00-0303	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR)	3,629.97	
32 84 23 00-0304	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....	3,629.97	
32 84 23 00-0305	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR).....	3,629.97	
32 84 23 00-0306	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	11,643.30	
32 84 23 00-0307	EA	Communication Hub For Irrigation Controllers (Calsense HUB).....	4,480.93	
		Note: Accepts up to two communication options. Excludes communication options.		

32 84 23 00-0308 Retrofit Options For Irrigation Controllers (32 84 23 00-0210)**32 84 23 00-0309 Weather Retrofits For Irrigation Controllers** (32 84 23 00-0308)

32 84 23 00-0310	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	1,770.38	
32 84 23 00-0311	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	1,770.38	
32 84 23 00-0312	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	1,770.38	
32 84 23 00-0313	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	1,770.38	

			Exterior Improvements		32	32
			Irrigation		32 80	
			Planting Irrigation		32 84	
MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST		DEMOLITION UNIT COST	
32 84 23 00-0314 Phone Communication Retrofits For Irrigation Controllers (32 84 23 00-0308)						
32 84 23 00-0315	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO).....	1,861.70			
32 84 23 00-0316	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....	2,204.16			
32 84 23 00-0317	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO).....	3,539.71			
32 84 23 00-0318 Local Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0308)						
32 84 23 00-0319	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO).....	2,090.00			
32 84 23 00-0320	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO).....	4,418.66			
32 84 23 00-0321	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO).....	5,742.80			
32 84 23 00-0322 Spread Spectrum Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0308)						
32 84 23 00-0323	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro).....	2,090.00			
32 84 23 00-0324	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO).....	4,418.66			
32 84 23 00-0325	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO).....	5,742.80			
32 84 23 00-0326 Ethernet Communication Retrofits For Irrigation Controllers (32 84 23 00-0308)						
32 84 23 00-0327	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro).....	2,090.00			
32 84 23 00-0328	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO).....	2,204.16			
32 84 23 00-0329	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO).....	3,539.71			
32 84 23 00-0330 GPRS Radio Modem Communication Retrofits For Irrigation Controllers (32 84 23 00-0308)						
32 84 23 00-0331	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO).....	2,090.00			
32 84 23 00-0332	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO).....	4,418.66			
32 84 23 00-0333	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO).....	5,742.80			
32 84 23 00-0334 Radio Remote Units For Irrigation Controllers (32 84 23 00-0210)						
32 84 23 00-0335	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN).....	2,101.42			
32 84 23 00-0336	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe)..... Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	452.03			
32 84 23 00-0337	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG).....	194.06			
32 84 23 00-0338	EA	Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT).....	342.72			
32 84 23 00-0339	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT)..... Note: Excludes antenna cable.	217.16			11.55
32 84 23 00-0340	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP)..... Note: Excludes antenna cable.	422.62			11.55
32 84 23 00-0341	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome)..... Note: Excludes antenna cable.	456.87			11.55
32 84 23 00-0342 Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0105)						
Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.						
32 84 23 00-0343	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS).....	4,912.68			207.87
32 84 23 00-0344	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS).....	5,180.82			219.42
32 84 23 00-0345	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS).....	7,208.03			230.97
32 84 23 00-0346 Irrigation Valves (32 84 23)						
32 84 23 00-0347 Reduced Pressure Zone Valves With QT Shut-Offs (32 84 23 00-0346)						
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).						
32 84 23 00-0348	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	921.88			49.29
32 84 23 00-0349	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,093.66			60.19
32 84 23 00-0350	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,654.70			70.05
32 84 23 00-0351	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,748.94			80.42
32 84 23 00-0352	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	2,097.76			103.77
32 84 23 00-0353 Brass Quick-Coupling Irrigation Valves (32 84 23 00-0346)						
32 84 23 00-0354	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC).....	185.73			43.00
		For Valve Key, Add	51.78			
32 84 23 00-0355	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC).....	191.72			43.00
		For Locking Cover, Add	25.00			
		For Valve Key, Add	51.78			
32 84 23 00-0356	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC).....	257.60			43.00
		For Valve Key, Add	132.46			

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
32 84 23 00-0357	EA 1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC).....	281.55		43.00	
	For Valve Key, Add	132.46			
32 84 23 00-0358	EA 1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP).....	270.28		43.00	
32 84 23 00-0359	EA 1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	281.55		43.00	
32 84 23 00-0360	Anti-Siphon Pressure Type Vacuum Breaker (32 84 23 00-0346)				
	Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.				
32 84 23 00-0361	EA 3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	318.66		36.32	
32 84 23 00-0362	EA 1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	456.78		41.51	
32 84 23 00-0363	EA 1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	829.18		47.99	
32 84 23 00-0364	EA 1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	1,010.00		53.18	
32 84 23 00-0365	EA 2" Anti-Siphon Pressure Type Vacuum Breaker	1,018.51		64.86	
32 84 23 00-0366	Manual Sprinkler Control Valves (32 84 23 00-0346)				
32 84 23 00-0367	EA 3/4" Manual Sprinkler Control Valves, With Union	108.41		35.02	
32 84 23 00-0368	EA 1" Manual Sprinkler Control Valves, With Union	132.11		37.62	
32 84 23 00-0369	EA 1-1/4" Manual Sprinkler Control Valves, With Union	202.16		47.61	
32 84 23 00-0370	EA 1-1/2" Manual Sprinkler Control Valves, With Union	239.58		54.88	
32 84 23 00-0371	EA 2" Manual Sprinkler Control Valves, With Union	321.01		64.86	
32 84 23 00-0372	Irrigation Piping (32 84 23)				
32 84 23 00-0373	Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0372)				
	Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.				
32 84 23 00-0374	Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0373)				
32 84 23 00-0375	LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	3.44		1.20	
	For >1,000, Deduct	-0.17			
32 84 23 00-0376	LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.21		1.49	
	For >1,000, Deduct	-0.21			
32 84 23 00-0377	LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	5.05		1.79	
	For >1,000, Deduct	-0.25			
32 84 23 00-0378	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.67		2.26	
	For >1,000, Deduct	-0.33			
32 84 23 00-0379	LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	8.35		2.84	
	For >1,000, Deduct	-0.42			
32 84 23 00-0380	LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	10.56		3.32	
	For >1,000, Deduct	-0.53			
32 84 23 00-0381	LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.51		4.78	
	For >1,000, Deduct	-0.73			
32 84 23 00-0382	LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	18.88		5.97	
	For >1,000, Deduct	-0.94			
32 84 23 00-0383	LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	26.68		7.47	
	For >1,000, Deduct	-1.33			
32 84 23 00-0384	Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0373)				
32 84 23 00-0385	LF 3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	3.99		1.49	
	For >1,000, Deduct	-0.20			
32 84 23 00-0386	LF 1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.69		1.79	
	For >1,000, Deduct	-0.23			
32 84 23 00-0387	LF 1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	6.41		2.26	
	For >1,000, Deduct	-0.32			
32 84 23 00-0388	LF 2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	8.13		2.84	
	For >1,000, Deduct	-0.41			
32 84 23 00-0389	LF 2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	10.24		3.32	
	For >1,000, Deduct	-0.51			
32 84 23 00-0390	LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	14.39		4.78	
	For >1,000, Deduct	-0.72			
32 84 23 00-0391	LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	19.56		5.97	
	For >1,000, Deduct	-0.98			
32 84 23 00-0392	LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	30.95		7.47	
	For >1,000, Deduct	-1.55			
32 84 23 00-0393	Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers (32 84 23 00-0373)				
32 84 23 00-0394	LF 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	4.17		1.49	
	For >1,000, Deduct	-0.21			
32 84 23 00-0395	LF 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	4.94		1.79	
	For >1,000, Deduct	-0.25			
32 84 23 00-0396	LF 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.89		2.26	
	For >1,000, Deduct	-0.34			
32 84 23 00-0397	LF 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	8.92		2.84	
	For >1,000, Deduct	-0.45			
32 84 23 00-0398	LF 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	11.49		3.32	
	For >1,000, Deduct	-0.57			
32 84 23 00-0399	LF 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	14.51		4.78	
	For >1,000, Deduct	-0.73			
32 84 23 00-0400	LF 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	18.88		5.97	
	For >1,000, Deduct	-0.94			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0401	LF		6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers <i>For >1,000, Deduct</i>	27.09 -1.35	7.47
32 84 23 00-0402			Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted (32 84 23 00-0372) Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.		
32 84 23 00-0403			Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0402)		
32 84 23 00-0404	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.41 -0.32	1.49
32 84 23 00-0405	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.27 -0.36	1.79
32 84 23 00-0406	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	8.88 -0.44	2.26
32 84 23 00-0407	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	10.56 -0.53	2.84
32 84 23 00-0408	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	12.78 -0.64	3.32
32 84 23 00-0409	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	16.72 -0.84	4.78
32 84 23 00-0410	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	21.09 -1.05	5.97
32 84 23 00-0411	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	28.89 -1.44	7.47
32 84 23 00-0412			Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted (32 84 23 00-0402)		
32 84 23 00-0413	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.69 -0.33	1.49
32 84 23 00-0414	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.54 -0.38	1.79
32 84 23 00-0415	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.15 -0.46	2.26
32 84 23 00-0416	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	10.82 -0.54	2.84
32 84 23 00-0417	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	13.05 -0.65	3.32
32 84 23 00-0418	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	16.99 -0.85	4.78
32 84 23 00-0419	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	21.37 -1.07	5.97
32 84 23 00-0420	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	29.16 -1.46	7.47
32 84 23 00-0421			Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0402)		
32 84 23 00-0422	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.95 -0.35	1.49
32 84 23 00-0423	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.81 -0.39	1.79
32 84 23 00-0424	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	9.42 -0.47	2.26
32 84 23 00-0425	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	11.09 -0.55	2.84
32 84 23 00-0426	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	13.32 -0.67	3.32
32 84 23 00-0427	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	17.26 -0.86	4.78
32 84 23 00-0428	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	21.63 -1.08	5.97
32 84 23 00-0429	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	29.42 -1.47	7.47
32 84 23 00-0430			Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted (32 84 23 00-0402)		
32 84 23 00-0431	LF		3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	6.30 -0.32	1.49
32 84 23 00-0432	LF		1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	7.08 -0.35	1.79
32 84 23 00-0433	LF		1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	8.90 -0.45	2.26
32 84 23 00-0434	LF		2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	10.94 -0.55	2.84
32 84 23 00-0435	LF		2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	13.39 -0.67	3.32
32 84 23 00-0436	LF		3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	16.60 -0.83	4.78
32 84 23 00-0437	LF		4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted <i>For >1,000, Deduct</i>	21.76 -1.09	5.97

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
 MINOR
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32 84 23 00-0438	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	33.16	7.47
		For >1,000, Deduct	-1.66	

32 84 23 00-0439 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted
(32 84 23 00-0402)

32 84 23 00-0440	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.58	1.49
		For >1,000, Deduct	-0.33	
32 84 23 00-0441	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.35	1.79
		For >1,000, Deduct	-0.37	
32 84 23 00-0442	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.17	2.26
		For >1,000, Deduct	-0.46	
32 84 23 00-0443	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.20	2.84
		For >1,000, Deduct	-0.56	
32 84 23 00-0444	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	13.66	3.32
		For >1,000, Deduct	-0.68	
32 84 23 00-0445	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.87	4.78
		For >1,000, Deduct	-0.84	
32 84 23 00-0446	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	22.04	5.97
		For >1,000, Deduct	-1.10	
32 84 23 00-0447	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	33.43	7.47
		For >1,000, Deduct	-1.67	

32 84 23 00-0448 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted
(32 84 23 00-0402)

32 84 23 00-0449	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.84	1.49
		For >1,000, Deduct	-0.34	
32 84 23 00-0450	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.62	1.79
		For >1,000, Deduct	-0.38	
32 84 23 00-0451	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	9.44	2.26
		For >1,000, Deduct	-0.47	
32 84 23 00-0452	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.47	2.84
		For >1,000, Deduct	-0.57	
32 84 23 00-0453	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	13.93	3.32
		For >1,000, Deduct	-0.70	
32 84 23 00-0454	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	17.14	4.78
		For >1,000, Deduct	-0.86	
32 84 23 00-0455	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	22.30	5.97
		For >1,000, Deduct	-1.12	
32 84 23 00-0456	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	33.69	7.47
		For >1,000, Deduct	-1.68	

32 84 23 00-0457 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted
(32 84 23 00-0402)

32 84 23 00-0458	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.37	1.49
		For >1,000, Deduct	-0.32	
32 84 23 00-0459	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.15	1.79
		For >1,000, Deduct	-0.36	
32 84 23 00-0460	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.10	2.26
		For >1,000, Deduct	-0.46	
32 84 23 00-0461	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	11.13	2.84
		For >1,000, Deduct	-0.56	
32 84 23 00-0462	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	13.71	3.32
		For >1,000, Deduct	-0.69	
32 84 23 00-0463	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.72	4.78
		For >1,000, Deduct	-0.84	
32 84 23 00-0464	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	21.09	5.97
		For >1,000, Deduct	-1.05	
32 84 23 00-0465	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	29.31	7.47
		For >1,000, Deduct	-1.47	

32 84 23 00-0466 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted
(32 84 23 00-0402)

32 84 23 00-0467	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.65	1.49
		For >1,000, Deduct	-0.33	
32 84 23 00-0468	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.42	1.79
		For >1,000, Deduct	-0.37	
32 84 23 00-0469	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.37	2.26
		For >1,000, Deduct	-0.47	
32 84 23 00-0470	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.39	2.84
		For >1,000, Deduct	-0.57	
32 84 23 00-0471	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	13.98	3.32
		For >1,000, Deduct	-0.70	

			Exterior Improvements		32
			Irrigation		32 80
			Planting Irrigation		32 84
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
32 84 23 00-0472	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	16.99 -0.85		4.78
32 84 23 00-0473	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	21.37 -1.07		5.97
32 84 23 00-0474	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted For >1,000, Deduct	29.58 -1.48		7.47
32 84 23 00-0475 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0402)					
32 84 23 00-0476	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	6.91 -0.35		1.49
32 84 23 00-0477	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	7.69 -0.38		1.79
32 84 23 00-0478	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	9.64 -0.48		2.26
32 84 23 00-0479	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	11.66 -0.58		2.84
32 84 23 00-0480	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	14.25 -0.71		3.32
32 84 23 00-0481	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	17.26 -0.86		4.78
32 84 23 00-0482	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	21.63 -1.08		5.97
32 84 23 00-0483	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted For >1,000, Deduct	29.84 -1.49		7.47
32 84 23 00-0484 Irrigation Riser Piping With Fittings (32 84 23 00-0372)					
32 84 23 00-0485	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	20.72		3.58
32 84 23 00-0486	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	22.24		4.48
32 84 23 00-0487	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	22.12		4.18
32 84 23 00-0488	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	24.01		5.22
32 84 23 00-0489	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	44.07		6.27
32 84 23 00-0490	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	46.74		7.84
32 84 23 00-0491	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	51.74		8.06
32 84 23 00-0492	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	55.17		10.08
32 84 23 00-0493	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	59.42		9.85
32 84 23 00-0494	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	63.61		12.32
32 84 23 00-0495 Irrigation Crossover Piping With Fittings (32 84 23 00-0372)					
Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0095 for #5 concrete pull box, 32 84 23 00-0539 for irrigation wiring.					
32 84 23 00-0496 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench (32 84 23 00-0495)					
32 84 23 00-0497	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation For >1,000, Deduct	37.48 -1.87		
32 84 23 00-0498	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation For >1,000, Deduct	51.93 -2.60		
32 84 23 00-0499	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation For >1,000, Deduct	70.43 -3.52		
32 84 23 00-0500	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation For >1,000, Deduct	92.13 -4.61		
32 84 23 00-0501 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench (32 84 23 00-0495)					
32 84 23 00-0502	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation For >1,000, Deduct	38.29 -1.91		
32 84 23 00-0503	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation For >1,000, Deduct	52.82 -2.64		
32 84 23 00-0504	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation For >1,000, Deduct	71.41 -3.57		
32 84 23 00-0505	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation For >1,000, Deduct	93.21 -4.66		

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**
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 TOTAL DIRECT DEMOLITION
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32 84 23 00-0506		Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench (32 84 23 00-0495)		
32 84 23 00-0507	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation	39.09	
		For >1,000, Deduct	-1.95	
32 84 23 00-0508	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	53.72	
		For >1,000, Deduct	-2.69	
32 84 23 00-0509	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	72.40	
		For >1,000, Deduct	-3.62	
32 84 23 00-0510	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	94.29	
		For >1,000, Deduct	-4.71	
32 84 23 00-0511		Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore (32 84 23 00-0495)		
32 84 23 00-0512	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	97.91	
		For >1,000, Deduct	-4.90	
32 84 23 00-0513	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	124.58	
		For >1,000, Deduct	-6.23	
32 84 23 00-0514	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	149.11	
		For >1,000, Deduct	-7.46	
32 84 23 00-0515	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	176.84	
		For >1,000, Deduct	-8.84	
32 84 23 00-0516		Below Ground Cam Adapter Assembly (32 84 23 00-0372)		
		Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0517	EA	Below Ground Cam Adapter Assembly	790.01	
		Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
32 84 23 00-0518		Above Ground Cam Adapter Assembly (32 84 23 00-0372)		
		Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0519	EA	Above Ground Cam Adapter Assembly	489.77	
		Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
32 84 23 00-0520		Thrust Block (32 84 23 00-0372)		
32 84 23 00-0521	EA	Thrust Block For 1-1/2" Pipe Size And Smaller	41.05	
32 84 23 00-0522	EA	Thrust Block For 2" Pipe	70.48	
32 84 23 00-0523	EA	Thrust Block For 3" And 4" Pipe	99.92	
32 84 23 00-0524	EA	Thrust Block For 6" Pipe	159.59	
32 84 23 00-0525	EA	Thrust Block For 8" Pipe	227.06	
32 84 23 00-0526		Irrigation Swing Joints (32 84 23)		
32 84 23 00-0527	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	70.88	23.77
32 84 23 00-0528	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	80.67	26.54
32 84 23 00-0529	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	108.86	26.54
32 84 23 00-0530	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I	50.00	30.98
		Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.		
32 84 23 00-0531	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I	66.82	41.33
		Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.		
32 84 23 00-0532	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I	84.12	50.68
		Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.		
32 84 23 00-0533	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II	71.08	31.47
		Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0534	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II	94.00	41.74
		Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0535	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II	115.66	51.19
		Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0536	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III	40.27	19.27
		Note: Consists of two street 90-degree elbows.		
32 84 23 00-0537	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III	53.83	25.69
		Note: Consists of two street 90-degree elbows.		
32 84 23 00-0538	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III	64.02	31.86
		Note: Consists of two street 90-degree elbows.		
32 84 23 00-0539		Irrigation Control Wire (32 84 23)		
		Note: Excludes excavation and backfill.		
32 84 23 00-0540		18 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0539)		
32 84 23 00-0541	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	56.96	17.92
32 84 23 00-0542	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	74.66	20.91
32 84 23 00-0543	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	85.91	23.89
32 84 23 00-0544	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	98.35	26.88

			Exterior Improvements	32	32
			Irrigation	32 80	
			Planting Irrigation	32 84	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

32 84 23 00-0545	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	111.93	29.87
32 84 23 00-0546	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	133.76	32.84
32 84 23 00-0547	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	154.69	35.83
32 84 23 00-0548	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	168.08	38.81
32 84 23 00-0549	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	184.54	41.80
32 84 23 00-0550	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	203.46	44.79
32 84 23 00-0551	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	210.57	47.77
32 84 23 00-0552	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	218.88	50.76
32 84 23 00-0553	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	230.93	53.75
32 84 23 00-0554		16 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0539)		
32 84 23 00-0555	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	60.08	17.92
32 84 23 00-0556		14 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0539)		
32 84 23 00-0557	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	60.09	17.92
32 84 23 00-0558		12 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0539)		
32 84 23 00-0559	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	80.72	17.92
32 84 23 00-0560		10 AWG, Irrigation Control Wire, Buried In Trench (32 84 23 00-0539)		
32 84 23 00-0561	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	106.87	17.92
32 84 23 00-0562		Root Watering Systems (32 84 23)		
		Note: Includes swing assembly.		
32 84 23 00-0563	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)	115.00	23.89
		For Root Watering Sand Sock, Add	1.51	
32 84 23 00-0564	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	124.33	23.89
		For Root Watering Sand Sock, Add	1.51	
32 84 23 00-0565	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)	115.00	23.89
		For Root Watering Sand Sock, Add	1.51	
32 84 23 00-0566	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	124.33	23.89
		For Root Watering Sand Sock, Add	1.51	
32 84 23 00-0567	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	124.33	23.89
		For Root Watering Sand Sock, Add	1.51	
32 84 23 00-0568	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	99.78	20.91
		For Root Watering Sand Sock, Add	1.51	
32 84 23 00-0569	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	108.73	20.91
		For Root Watering Sand Sock, Add	1.51	
32 84 23 00-0570	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	99.78	20.91
		For Root Watering Sand Sock, Add	1.51	
32 84 23 00-0571	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	108.73	20.91
		For Root Watering Sand Sock, Add	1.51	
32 84 23 00-0572	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	66.68	17.92
		For Root Watering Sand Sock, Add	1.51	
32 84 23 00-0573	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	75.20	17.92
		For Root Watering Sand Sock, Add	1.51	

32 90 Planting (32)

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varieties. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation (32 90)

32 91 13 Soil Preparation (32 91)

32 91 13 16 Mulching (32 91 13)

32 91 13 16-0001 Mulch (32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pea Gravel Mulch	129.88	
		For >5 To 20, Deduct	-10.27	
		For >20 To 50, Deduct	-15.40	
		For >50, Deduct	-21.90	
		For Work On Slopes >2.5:1, Add	15.10	
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips	312.37	
		For >5 To 20, Deduct	-19.39	
		For >20 To 50, Deduct	-29.09	
		For >50, Deduct	-44.71	
		For Work On Slopes >2.5:1, Add	15.10	

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips	132.10	
		For >5 To 20, Deduct	-10.38	
		For >20 To 50, Deduct	-15.57	
		For >50, Deduct	-22.18	
		For Work On Slopes >2.5:1, Add	15.10	
32 91 13 16-0005	CY	Pine Bark Nugget Mulch	126.17	
		For >5 To 20, Deduct	-10.08	
		For >20 To 50, Deduct	-15.13	
		For >50, Deduct	-21.43	
		For Work On Slopes >2.5:1, Add	15.10	
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch	124.15	
		For >5 To 20, Deduct	-9.98	
		For >20 To 50, Deduct	-14.97	
		For >50, Deduct	-21.18	
		For Work On Slopes >2.5:1, Add	15.10	
32 91 13 16-0007	CY	Pine Wood Chip Mulch	120.09	
		For >5 To 20, Deduct	-9.78	
		For >20 To 50, Deduct	-14.67	
		For >50, Deduct	-20.67	
		For Work On Slopes >2.5:1, Add	15.10	
32 91 13 16-0008	CY	Hardwood Chip Mulch	128.20	
		For >5 To 20, Deduct	-10.19	
		For >20 To 50, Deduct	-15.28	
		For >50, Deduct	-21.69	
		For Work On Slopes >2.5:1, Add	15.10	
32 91 13 16-0009	CY	Shredded Hardwood Mulch	128.20	
		For >5 To 20, Deduct	-10.19	
		For >20 To 50, Deduct	-15.28	
		For >50, Deduct	-21.69	
		For Work On Slopes >2.5:1, Add	15.10	
32 91 13 16-0010	CY	Shredded Pine Mulch	109.96	
		For >5 To 20, Deduct	-9.27	
		For >20 To 50, Deduct	-13.91	
		For >50, Deduct	-19.41	
		For Work On Slopes >2.5:1, Add	15.10	
32 91 13 16-0011	CY	Shredded Cedar Mulch	149.48	
		For >5 To 20, Deduct	-11.25	
		For >20 To 50, Deduct	-16.87	
		For >50, Deduct	-24.35	
		For Work On Slopes >2.5:1, Add	15.10	
32 91 13 16-0012	CY	Shredded Cypress Mulch	146.44	
		For >5 To 20, Deduct	-11.10	
		For >20 To 50, Deduct	-16.65	
		For >50, Deduct	-23.97	
		For Work On Slopes >2.5:1, Add	15.10	
32 91 13 16-0013	CY	Shredded Redwood Mulch	154.55	
		For >5 To 20, Deduct	-11.50	
		For >20 To 50, Deduct	-17.25	
		For >50, Deduct	-24.98	
		For Work On Slopes >2.5:1, Add	15.10	
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch	238.19	
		For >5 To 20, Deduct	-16.73	
		For >20 To 50, Deduct	-25.09	
		For >50, Deduct	-37.00	
		For Work On Slopes >2.5:1, Add	19.26	
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch	378.05	
		For >5 To 20, Deduct	-23.72	
		For >20 To 50, Deduct	-35.58	
		For >50, Deduct	-54.48	
		For Work On Slopes >2.5:1, Add	19.26	
32 91 13 16-0016	CY	Shredded Recycled Tire Mulch	380.08	
		For >5 To 20, Deduct	-23.82	
		For >20 To 50, Deduct	-35.73	
		For >50, Deduct	-54.73	
		For Work On Slopes >2.5:1, Add	19.26	
32 91 13 16-0017	CY	Shredded Colored Recycled Tire Mulch	659.79	
		For >5 To 20, Deduct	-37.81	
		For >20 To 50, Deduct	-56.71	
		For >50, Deduct	-89.70	
		For Work On Slopes >2.5:1, Add	19.26	
32 91 13 16-0018	EA	Pine Straw Mulch Bale	11.21	
		Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
		For >100 To 250, Deduct	-0.77	
		For >250 To 500, Deduct	-0.97	
		For >500, Deduct	-1.33	
		For Work On Slopes >2.5:1, Add	0.83	
32 91 13 16-0019	EA	Wheat Straw Mulch Bale	11.44	
		Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
		For >100 To 250, Deduct	-0.73	
		For >250 To 500, Deduct	-0.88	
		For >500, Deduct	-1.30	
		For Work On Slopes >2.5:1, Add	0.62	

32 91 13 16-0020 Compost Soil Amendment (AgriService) (32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

				Exterior Improvements	32	32
				Planting	32 90	
				Planting Preparation	32 91	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
32 91 13 16-0021	CY		Humic Compost (OIM)..... Note: (Agri Service or Equal) For Work On Slopes >2.5:1, Add For >100 To 1,000, Deduct For >1,000, Deduct	96.54 15.10 -16.15 -24.75		
32 91 13 26 Planting Beds (32 91 13)						
Note: Not for use when installing trees and shrubs.						
32 91 13 26-0001			Plant Bed Preparation (32 91 13 26) Note: Not for use when installing trees and shrubs.			
32 91 13 26-0002	SF		Up To 8" Deep, Prepare And Mix Plant Bed, By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.20		
			For Work On Slopes >2.5:1, Add	0.24		
32 91 13 26-0003	SF		>8" To 13" Deep, Prepare And Mix Plant Bed, By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.38		
			For Work On Slopes >2.5:1, Add	0.28		
32 91 13 26-0004	SF		>13" To 18" Deep, Prepare And Mix Plant Bed, By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.63		
			For Work On Slopes >2.5:1, Add	0.33		
32 91 13 26-0005	SF		Up To 8" Deep, Prepare And Mix Plant Bed By Hand..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.34		
			For Work On Slopes >2.5:1, Add	1.07		
32 91 13 26-0006	SF		>8" To 13" Deep, Prepare And Mix Plant Bed By Hand..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	6.14		
			For Work On Slopes >2.5:1, Add	1.23		
32 91 13 26-0007	SF		>13" To 18" Deep, Prepare And Mix Plant Bed By Hand..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	7.21		
			For Work On Slopes >2.5:1, Add	1.44		
32 91 13 26-0008			Planting Pit Preparation (32 91 13 26) Note: Not for use when installing trees and shrubs.			
32 91 13 26-0009	CY		Excavate Planting Pit By Hand, Sandy Soil..... Note: For use with existing planting pits.	92.38		
			For Work On Slopes >2.5:1, Add	18.48		
32 91 13 26-0010	CY		Excavate Planting Pit By Hand, Heavy Soil..... Note: For use with existing planting pits.	184.77		
			For Work On Slopes >2.5:1, Add	36.95		
32 91 13 26-0011	CY		Excavate Planting Pit By Machine, Sandy Soil..... Note: For use with existing planting pits.	15.22		
			For Work On Slopes >2.5:1, Add	3.04		
32 91 13 26-0012	CY		Excavate Planting Pit By Machine, Heavy Soil..... Note: For use with existing planting pits.	19.80		
			For Work On Slopes >2.5:1, Add	3.96		
32 91 13 26-0013	CY		Backfill Planting Pit By Hand With Topsoil From Stockpile..... For Work On Slopes >2.5:1, Add	82.10 16.42		
32 91 13 26-0014	CY		Backfill Planting Pit By Hand With Contractor Furnished Planting Mix..... For Work On Slopes >2.5:1, Add	134.80 14.95		
32 91 13 26-0015	CY		Backfill Planting Pit By Machine, With Topsoil From Stockpile..... For Work On Slopes >2.5:1, Add	8.15 1.63		
32 91 13 26-0016	CY		Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix..... For Work On Slopes >2.5:1, Add	79.95 3.98		
32 91 13 26-0017			Weed Barrier (32 91 13 26)			
32 91 13 26-0018	SY		Up To 3 Oz/SY Non-Woven, Polypropylene Weed Barrier..... For Work On Slopes >2.5:1, Add	2.46 0.15		
32 91 13 26-0019	SY		4 Oz/SY Woven, Polypropylene Weed Barrier..... For Work On Slopes >2.5:1, Add	3.34 0.15		
32 91 13 26-0020	SY		5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier..... For Work On Slopes >2.5:1, Add	3.73 0.15		
32 91 13 33			Soil Conditioners (32 91 13)			
32 91 13 33-0001			Spread Soil Conditioners (32 91 13 33)			
32 91 13 33-0002	SY		Aluminum Sulfate 1 Lb./SY, Push Spreader.....	0.48		
32 91 13 33-0003	MSF		Aluminum Sulfate 110 Lb./MSF Tractor Spreader.....	46.42		
32 91 13 33-0004	MSF		Fertilizer, 20 Lb./MSF, Push Spreader.....	7.79		
32 91 13 33-0005	MSF		Fertilizer, 20 Lb./MSF, Tractor Spread.....	3.39		
32 91 13 33-0006	MSF		Fertilizer, 20 Lb./MSF, Truck Spread.....	5.83		
32 91 13 33-0007	SY		Pelletized Lime, 1 Lb./SY, Push Spreader.....	0.11		
32 91 13 33-0008	MSF		Pelletized Lime, 110 Lb./MSF, Tractor Spreader.....	8.75		
32 91 13 33-0009	SY		Perlite, 1" Deep, Push Spreader.....	4.22		
32 91 13 33-0010	MSF		Perlite, 1" Deep, Tractor Spreader.....	439.42		
32 91 13 33-0011	SY		Vermiculite, Push Spreader.....	3.92		
32 91 13 33-0012	MSF		Vermiculite, Tractor Spreader.....	429.24		
32 91 13 33-0013	SY		Humate Granular Soil Conditioner, 0.10 Lb./SY, Push Spreader.....	0.23		
32 91 13 33-0014	MSF		Humate Granular Soil Conditioner, 10 Lb./MSF, Tractor Spreader.....	21.08		

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
32 91 13 36 Lawn Bed Preparation (32 91 13)**32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)**

32 91 13 36-0002	MSF	Rake Topsoil With Machine	94.36
32 91 13 36-0003	MSF	Rake Topsoil By Hand	73.90
32 91 13 36-0004	MSF	Screen Loam By Hand	49.27
32 91 13 36-0005	SY	Roll Topsoil With Machine	1.22
32 91 13 36-0006	SY	Roll Topsoil By Hand	3.30
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	11.16
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	34.34
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	58.39
		<i>For >45 to 225, Deduct</i>	-40.87
		<i>For >225, Deduct</i>	-52.55
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	97.32
		<i>For >45 to 225, Deduct</i>	-68.12
		<i>For >225, Deduct</i>	-87.59
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	5.27
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	10.68
		<i>For Work On Slopes >2.5:1, Add</i>	2.14
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.79
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	0.94
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	1.18
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	1.31

32 91 13 36-0017 Sod Removal (32 91 13 36)

32 91 13 36-0018	SY	Removal Of Sod By Hand	6.23
		<i>For Work On Slopes >2.5:1, Add</i>	1.25
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.71
		<i>For Work On Slopes >2.5:1, Add</i>	0.14
32 91 13 36-0020	SY	Pile Sod By Hand	3.69
		<i>For Work On Slopes >2.5:1, Add</i>	0.74
32 91 13 36-0021	SY	Pile Sod With Machine	1.33
		<i>For Work On Slopes >2.5:1, Add</i>	0.27

32 91 19 Landscape Grading (32 91)**32 91 19 13 Topsoil Placement and Grading (32 91 19)****32 91 19 13-0001 Remove And Stockpile Topsoil On Site (32 91 19 13)**

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	5.49
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	5.43

32 91 19 13-0004 Screening Topsoil (32 91 19 13)

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	11.84
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	7.89

32 91 19 13-0007 Spreading Topsoil From Stockpile (32 91 19 13)

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	9.03
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	70.51

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil (32 91 19 13)

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	4.54
		<i>For Unscreened, Deduct</i>	-0.63
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	8.73
		<i>For Unscreened, Deduct</i>	-1.26
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	12.65
		<i>For Unscreened, Deduct</i>	-1.89
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 8" Deep	18.32
		<i>For Unscreened, Deduct</i>	-2.83
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	24.00
		<i>For Unscreened, Deduct</i>	-3.78
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	66.60
		<i>For Unscreened, Deduct</i>	-11.33

32 91 19 13-0017 Scarify Soil For Planting Preparation (32 91 19 13)

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	71.21
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	49.83
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	29.21

32 92 Turf and Grasses (32 90)**32 92 16 Plugging (32 92)****32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep (32 92 16)**

Note: Includes fine grade and soil preparation.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

32 92 16 00-0002	6" On Center Plugging (32 92 16 00-0001)				
32 92 16 00-0003	MSF Plugging By Hand, 6" On Center			236.80	
32 92 16 00-0004	MSF Plugging By Walk Behind Planter, 6" On Center			31.06	
32 92 16 00-0005	MSF Plugging By Towed Planter, 6" On Center			22.69	

32 92 16 00-0006	9" On Center Plugging (32 92 16 00-0001)				
32 92 16 00-0007	MSF Plugging By Hand, 9" On Center			181.70	
32 92 16 00-0008	MSF Plugging By Walk Behind Planter, 9" On Center			24.40	
32 92 16 00-0009	MSF Plugging By Towed Planter, 9" On Center			17.02	

32 92 16 00-0010	12" On Center Plugging (32 92 16 00-0001)				
32 92 16 00-0011	MSF Plugging By Hand, 12" On Center			153.25	
32 92 16 00-0012	MSF Plugging By Walk Behind Planter, 12" On Center			16.58	
32 92 16 00-0013	MSF Plugging By Towed Planter, 12" On Center			10.91	

32 92 19 Seeding (32 92)
32 92 19 13 Mechanical Seeding (32 92 19)

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001	Tractor Spreader Mechanical Seeding (32 92 19 13)				
	Note: Excludes straw.				
32 92 19 13-0002	MSF Common Bluegrass, Tractor Spreader			47.25	
	Note: 4 LB/MSF spread rate.				
32 92 19 13-0003	MSF Tall Fescue, Tractor Spreader			39.48	
	Note: 5.5 LB/MSF spread rate.				
32 92 19 13-0004	MSF Rye, Tractor Spreader			40.22	
	Note: 10 LB/MSF spread rate.				
32 92 19 13-0005	MSF Shade Mix, Tractor Spreader			44.00	
	Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.				
32 92 19 13-0006	MSF Turf Mix, Tractor Spreader			46.70	
	Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.				
32 92 19 13-0007	MSF Slope Mix, Tractor Spreader			43.09	
	Note: 6 LB/MSF spread rate.				
32 92 19 13-0008	MSF Utility Mix, Tractor Spreader			38.59	
	Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.				
32 92 19 13-0009	MSF Wild Flower Mix, Tractor Spreader			30.10	
	Note: 0.10 LB/MSF spread rate.				
32 92 19 13-0010	MSF Crown Vetch Mix, Tractor Spreader			97.26	
	Note: 4 LB/MSF spread rate.				
32 92 19 13-0011	MSF Athletic Mix, Tractor Spreader			57.54	
	Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.				
32 92 19 13-0012	MSF White Clover Mix, Tractor Spreader			30.00	
	Note: 7 LB/MSF spread rate.				
32 92 19 13-0013	MSF Ladino Clover Mix, Tractor Spreader			33.62	
	Note: 7 LB/MSF spread rate.				

32 92 19 13-0014 Hydro Or Air Mechanical Seeding (32 92 19 13)

32 92 19 13-0015	MSF Common Bluegrass, Hydro Or Air Seeding			96.14	
	Note: 4 LB/MSF spread rate.				
	For Spot Areas Up To 1, Add			103.49	
	For >1 To 4, Add			66.52	
	For >4 To 7.5, Add			45.09	
	For >7.5 To 10, Add			22.54	
	For >45, Deduct			-7.76	
	For Tackifier, Add			4.46	
32 92 19 13-0016	MSF Tall Fescue, Hydro Or Air Seeding			101.78	
	Note: 5.5 LB/MSF spread rate.				
	For Spot Areas Up To 1, Add			105.74	
	For >1 To 4, Add			67.65	
	For >4 To 7.5, Add			45.65	
	For >7.5 To 10, Add			22.83	
	For >45, Deduct			-8.05	
	For Tackifier, Add			4.46	
32 92 19 13-0017	MSF Rye, Hydro Or Air Spread			96.38	
	Note: 10 LB/MSF spread rate.				
	For Spot Areas Up To 1, Add			103.58	
	For >1 To 4, Add			66.57	
	For >4 To 7.5, Add			45.11	
	For >7.5 To 10, Add			22.56	
	For >45, Deduct			-7.78	
	For Tackifier, Add			4.46	
32 92 19 13-0018	MSF Shade Mix, Hydro Or Air Seeding			96.14	
	Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.				
	For Spot Areas Up To 1, Add			103.49	
	For >1 To 4, Add			66.52	
	For >4 To 7.5, Add			45.09	
	For >7.5 To 10, Add			22.54	
	For >45, Deduct			-7.76	
	For Tackifier, Add			4.46	

32 Exterior Improvements**32 90 Planting****32 92 Turf and Grasses**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 92 19 13-0019	MSF Turf Mix, Hydro Or Air Seeding.....	101.78
	Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	
	For Spot Areas Up To 1, Add	105.74
	For >1 To 4, Add	67.65
	For >4 To 7.5, Add	45.65
	For >7.5 To 10, Add	22.83
	For >45, Deduct	-8.05
	For Tackifier, Add	4.46
32 92 19 13-0020	MSF Slope Mix, Hydro Or Air Seeding.....	99.36
	Note: 6 LB/MSF spread rate.	
	For Spot Areas Up To 1, Add	104.78
	For >1 To 4, Add	67.17
	For >4 To 7.5, Add	45.41
	For >7.5 To 10, Add	22.70
	For >45, Deduct	-7.92
	For Tackifier, Add	4.46
32 92 19 13-0021	MSF Utility Mix, Hydro Or Air Seeding.....	97.41
	Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	
	For Spot Areas Up To 1, Add	104.00
	For >1 To 4, Add	66.78
	For >4 To 7.5, Add	45.21
	For >7.5 To 10, Add	22.61
	For >45, Deduct	-7.83
	For Tackifier, Add	4.46
32 92 19 13-0022	MSF Wild Flower Mix, Hydro Or Air Seeding.....	91.14
	Note: 0.10 LB/MSF spread rate.	
	For Spot Areas Up To 1, Add	101.49
	For >1 To 4, Add	65.52
	For >4 To 7.5, Add	44.59
	For >7.5 To 10, Add	22.29
	For >45, Deduct	-7.51
	For Tackifier, Add	4.46
32 92 19 13-0023	MSF Crown Vetch Mix, Hydro Or Air Seeding.....	147.65
	Note: 4 LB/MSF spread rate.	
	For Spot Areas Up To 1, Add	124.09
	For >1 To 4, Add	76.83
	For >4 To 7.5, Add	50.24
	For >7.5 To 10, Add	25.12
	For >45, Deduct	-10.34
	For Tackifier, Add	4.46
32 92 19 13-0024	MSF Athletic Mix, Hydro Or Air Seeding.....	129.96
	Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	
	For Spot Areas Up To 1, Add	117.02
	For >1 To 4, Add	73.29
	For >4 To 7.5, Add	48.47
	For >7.5 To 10, Add	24.23
	For >45, Deduct	-9.45
	For Tackifier, Add	4.46
32 92 19 13-0025	MSF White Clover Mix, Hydro Or Air Seeding.....	83.51
	Note: 7 LB/MSF spread rate.	
	For Spot Areas Up To 1, Add	98.44
	For >1 To 4, Add	64.00
	For >4 To 7.5, Add	43.82
	For >7.5 To 10, Add	21.91
	For >45, Deduct	-7.13
	For Tackifier, Add	4.46
32 92 19 13-0026	MSF Ladino Clover Mix, Hydro Or Air Seeding.....	92.92
	Note: 7 LB/MSF spread rate.	
	For Spot Areas Up To 1, Add	102.20
	For >1 To 4, Add	65.88
	For >4 To 7.5, Add	44.76
	For >7.5 To 10, Add	22.38
	For >45, Deduct	-7.60
	For Tackifier, Add	4.46
32 92 19 13-0027	MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	97.75
	Note: 4 LB/MSF spread rate.	
	For Spot Areas Up To 1, Add	104.13
	For >1 To 4, Add	66.85
	For >4 To 7.5, Add	45.25
	For >7.5 To 10, Add	22.62
	For >45, Deduct	-7.84
	For Tackifier, Add	4.46
32 92 19 13-0028	MSF 2,500 Lb./Acre, High Performance - Flexible Growth Medium.....	119.42
	Note: Applied with seed. Excludes seed.	
	For >45, Deduct	-7.45
32 92 19 13-0029	MSF 3,000 Lb./Acre, High Performance - Flexible Growth Medium.....	138.88
	Note: Applied with seed. Excludes seed.	
	For >45, Deduct	-8.50
32 92 19 13-0030	MSF 3,500 Lb./Acre, High Performance - Flexible Growth Medium.....	158.41
	Note: Applied with seed. Excludes seed.	
	For >45, Deduct	-9.55
32 92 19 13-0031	MSF 4,000 Lb./Acre, High Performance - Flexible Growth Medium.....	178.00
	Note: Applied with seed. Excludes seed.	
	For >45, Deduct	-10.61
32 92 19 13-0032	MSF 4,500 Lb./Acre, High Performance - Flexible Growth Medium.....	197.69
	Note: Applied with seed. Excludes seed.	
	For >45, Deduct	-11.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19			Seeding by Hand (32 92 19)		
			Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 19-0001			Push Spreader Or Hand Seeding (32 92 19 19)		
			Note: Excludes straw.		
32 92 19 19-0002	MSF		Common Bluegrass, Push Spreader Or Hand.....	114.58	
			Note: 4 LB/MSF spread rate.		
			For >5 To 20, Deduct	-8.04	
			For >20 To 45, Deduct	-15.52	
			For >45, Deduct	-25.31	
32 92 19 19-0003	MSF		Tall Fescue, Push Spreader Or Hand.....	106.81	
			Note: 5.5 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.65	
			For >20 To 45, Deduct	-14.94	
			For >45, Deduct	-24.54	
32 92 19 19-0004	MSF		Rye, Push Spreader Or Hand.....	107.55	
			Note: 10 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.69	
			For >20 To 45, Deduct	-14.99	
			For >45, Deduct	-24.61	
32 92 19 19-0005	MSF		Shade Mix, Push Spreader Or Hand.....	111.33	
			Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
			For >5 To 20, Deduct	-7.88	
			For >20 To 45, Deduct	-15.28	
			For >45, Deduct	-24.99	
32 92 19 19-0006	MSF		Turf Mix, Push Spreader Or Hand.....	114.03	
			Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
			For >5 To 20, Deduct	-8.01	
			For >20 To 45, Deduct	-15.48	
			For >45, Deduct	-25.26	
32 92 19 19-0007	MSF		Slope Mix, Push Spreader Or Hand.....	110.42	
			Note: 6 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.83	
			For >20 To 45, Deduct	-15.21	
			For >45, Deduct	-24.90	
32 92 19 19-0008	MSF		Utility Mix, Push Spreader Or Hand.....	105.92	
			Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
			For >5 To 20, Deduct	-7.61	
			For >20 To 45, Deduct	-14.87	
			For >45, Deduct	-24.45	
32 92 19 19-0009	MSF		Wild Flower Mix, Push Spreader Or Hand.....	97.43	
			Note: 0.10 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.18	
			For >20 To 45, Deduct	-14.24	
			For >45, Deduct	-23.60	
32 92 19 19-0010	MSF		Crown Vetch Mix, Push Spreader Or Hand.....	164.59	
			Note: 4 LB/MSF spread rate.		
			For >5 To 20, Deduct	-10.54	
			For >20 To 45, Deduct	-19.27	
			For >45, Deduct	-30.31	
32 92 19 19-0011	MSF		Athletic Mix, Push Spreader Or Hand.....	124.87	
			Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
			For >5 To 20, Deduct	-8.55	
			For >20 To 45, Deduct	-16.29	
			For >45, Deduct	-26.34	
32 92 19 19-0012	MSF		White Clover Mix, Push Spreader Or Hand.....	97.33	
			Note: 7 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.18	
			For >20 To 45, Deduct	-14.23	
			For >45, Deduct	-23.59	
32 92 19 19-0013	MSF		Ladino Clover Mix, Push Spreader Or Hand.....	100.95	
			Note: 7 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.36	
			For >20 To 45, Deduct	-14.50	
			For >45, Deduct	-23.95	
32 92 19 19-0014	MSF		100% Kentucky Bluegrass, Push Spreader Or Hand.....	116.11	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-8.11	
			For >20 To 45, Deduct	-15.64	
			For >45, Deduct	-25.47	
32 92 19 19-0015	MSF		70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand.....	111.69	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.89	
			For >20 To 45, Deduct	-15.30	
			For >45, Deduct	-25.02	
32 92 19 19-0016	MSF		50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand.....	108.47	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.73	
			For >20 To 45, Deduct	-15.06	
			For >45, Deduct	-24.70	
32 92 19 19-0017	MSF		50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand.....	114.91	
			Note: 4.4 LB/MSF spread rate.		
			For >5 To 20, Deduct	-8.05	
			For >20 To 45, Deduct	-15.55	
			For >45, Deduct	-25.35	
32 92 19 19-0018	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand.....	110.08	
			Note: 3.3 LB/MSF spread rate.		
			For >5 To 20, Deduct	-7.81	
			For >20 To 45, Deduct	-15.18	
			For >45, Deduct	-24.86	

32 Exterior Improvements**32 90 Planting****32 92 Turf and Grasses**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	114.03
		Note: 3.3 LB/MSF spread rate.	
		For >5 To 20, Deduct	-8.01
		For >20 To 45, Deduct	-15.48
		For >45, Deduct	-25.26

32 92 23 Sodding (32 92)
 Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for
 (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.
32 92 23 00-0001 Tall Fescue Sod (32 92 23)

32 92 23 00-0002	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,380.30
		For Hybrid Fescue "Marathon", Add	161.80
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,933.78
		For Hybrid Fescue "Marathon", Add	121.90
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,635.98
		For Hybrid Fescue "Marathon", Add	101.95
32 92 23 00-0005	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,396.20
		For Hybrid Fescue "Marathon", Add	82.01
32 92 23 00-0006	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,741.26
		For Hybrid Fescue "Marathon", Add	161.80
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,241.42
		For Hybrid Fescue "Marathon", Add	121.90
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,848.21
		For Hybrid Fescue "Marathon", Add	101.95
32 92 23 00-0009	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,576.68
		For Hybrid Fescue "Marathon", Add	82.01

32 93 Plants (32 90)**32 93 13 Ground Covers** (32 93)

Note: Materials only. See CSI section 32 93 83 00-0078 for installation and planting of ground cover.

32 93 13 00-0001 Ornamental Grasses (32 93 13)

32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass	36.60
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass	67.65
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass	122.95
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass	223.77
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	28.01
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	37.25
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	39.87
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass	27.94
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	37.25
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	90.12
32 93 13 00-0012	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	35.36
32 93 13 00-0013	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	45.83
32 93 13 00-0014	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	87.62
32 93 13 00-0015	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	32.82
32 93 13 00-0016	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	51.60
32 93 13 00-0017	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	88.31
32 93 13 00-0018	EA	1 Quart, Pennisetum setaceum - Fountain Grass	30.55
32 93 13 00-0019	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	31.59
32 93 13 00-0020	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	69.69
32 93 13 00-0021	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	96.74
32 93 13 00-0022	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	108.67
32 93 13 00-0023	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	179.28
32 93 13 00-0024	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	52.53
32 93 13 00-0025	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	78.62
32 93 13 00-0026	EA	1 Quart, Stipa gigantea - Giant Feather Grass	40.10
32 93 13 00-0027	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	55.87

32 93 13 00-0028 Ground Covers (32 93 13)

32 93 13 00-0029	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	33.25
32 93 13 00-0030	EA	3" Pot Ajuga reptans - Carpet Bugle	7.98
32 93 13 00-0031	EA	1 Quart Ajuga reptans - Carpet Bugle	13.30
32 93 13 00-0032	EA	1 Gallon Ajuga reptans - Carpet Bugle	31.92
32 93 13 00-0033	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	137.42
32 93 13 00-0034	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	110.83
32 93 13 00-0035	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	203.03
32 93 13 00-0036	EA	1 Quart Arundo donax - Giant Reed	42.56
32 93 13 00-0037	EA	1 Gallon Arundo donax - Giant Reed	61.18
32 93 13 00-0038	EA	1 Quart Baccharis pilularis - Dwarf Coyote Bush	13.30
32 93 13 00-0039	EA	1 Gallon Baccharis pilularis - Dwarf Coyote Bush	23.05
32 93 13 00-0040	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	46.50
32 93 13 00-0041	EA	1 Gallon Campsis radicans - Trumpet Creeper	48.76
32 93 13 00-0042	EA	2 Gallon Campsis radicans - Trumpet Creeper	73.59
32 93 13 00-0043	EA	5 Gallon Campsis radicans - Trumpet Creeper	177.32
32 93 13 00-0044	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	46.99
32 93 13 00-0045	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	61.18
32 93 13 00-0046	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	23.94
32 93 13 00-0047	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	33.25
32 93 13 00-0048	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	51.87
32 93 13 00-0049	EA	1 Gallon Cissus antarctica - Kangaroo Vine	25.71

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 93 13 00-0050	EA 5 Gallon Cissus antarctica - Kangaroo Vine		80.68	
32 93 13 00-0051	EA 1 Gallon Cistaceae - Wrinkleleaf Rock Rose		25.71	
32 93 13 00-0052	EA 5 Gallon Cistaceae - Wrinkleleaf Rock Rose		87.78	
32 93 13 00-0053	EA 1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed		25.71	
32 93 13 00-0054	EA 5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed		92.21	
32 93 13 00-0055	EA 1 Gallon Coprosma kirkii - Prostrate Coprosma		22.17	
32 93 13 00-0056	EA 5 Gallon Coprosma kirkii - Prostrate Coprosma		80.68	
32 93 13 00-0057	EA 1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster		43.44	
32 93 13 00-0058	EA 2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster		82.45	
32 93 13 00-0059	EA 5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster		145.41	
32 93 13 00-0060	EA 1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine		27.49	
32 93 13 00-0061	EA 5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine		96.64	
32 93 13 00-0062	EA 1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper		31.66	
32 93 13 00-0063	EA 1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper		82.03	
32 93 13 00-0064	EA 24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper		137.43	
32 93 13 00-0065	EA 1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper		34.58	
32 93 13 00-0066	EA 2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper		69.16	
32 93 13 00-0067	EA 1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue		18.62	
32 93 13 00-0068	EA 1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue		33.25	
32 93 13 00-0069	EA 2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue		51.87	
32 93 13 00-0070	EA 1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia		27.49	
32 93 13 00-0071	EA 5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia		90.43	
32 93 13 00-0072	EA 1 Gallon Gelsemium sempervirens - Carolina Jessamine		38.30	
32 93 13 00-0073	EA 5 Gallon Gelsemium sempervirens - Carolina Jessamine		138.31	
32 93 13 00-0074	EA 1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass		46.99	
32 93 13 00-0075	EA 1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass		70.93	
32 93 13 00-0076	EA 1 Gallon Hardenbergia violacea - Happy Wanderer		31.92	
32 93 13 00-0077	EA 5 Gallon Hardenbergia violacea - Happy Wanderer		106.39	
32 93 13 00-0078	EA 2" To 3" Pot Hedera helix - English Ivy		7.98	
32 93 13 00-0079	EA 12" To 15" Runners Hedera helix - English Ivy		13.30	
32 93 13 00-0080	EA 1 Gallon Hedera helix - English Ivy		31.92	
32 93 13 00-0081	EA 50 Plant Flat Hedera helix - English Ivy		184.42	
32 93 13 00-0082	EA 3 Gallon Hibiscus, Assorted Colors		41.57	
32 93 13 00-0083	EA 1 Gallon Hydrangea petiolaris - Climbing Hydrangea		57.63	
32 93 13 00-0084	EA 2 Gallon Hydrangea petiolaris - Climbing Hydrangea		108.17	
32 93 13 00-0085	EA 5 Gallon Hydrangea petiolaris - Climbing Hydrangea		177.32	
32 93 13 00-0086	EA 1 Gallon Hymenocallis latifolia - Spider Lily		20.64	
32 93 13 00-0087	EA 3 Gallon Hymenocallis latifolia - Spider Lily		55.04	
32 93 13 00-0088	EA 1 Quart Hypericum perforatum - St. John's Wort		13.30	
32 93 13 00-0089	EA 1 Gallon Hypericum perforatum - St. John's Wort		31.92	
32 93 13 00-0090	EA 5 Gallon Hypericum perforatum - St. John's Wort		82.45	
32 93 13 00-0091	EA 1 Quart Iberis sempervirens - Candytuft		13.30	
32 93 13 00-0092	EA 1 Gallon Iberis sempervirens - Candytuft		31.92	
32 93 13 00-0093	EA 1 Gallon Ilex cornuta - Dwarf Holly		24.08	
32 93 13 00-0094	EA 3 Gallon Ilex cornuta - Dwarf Holly		51.60	
32 93 13 00-0095	EA 1 Gallon Jasminum polyanthum - Winter Jasmine		31.92	
32 93 13 00-0096	EA 2 Gallon Jasminum polyanthum - Winter Jasmine		63.84	
32 93 13 00-0097	EA 5 Gallon Jasminum polyanthum - Winter Jasmine		110.83	
32 93 13 00-0098	EA 1 Gallon Jasminum volubile - Wax Jasmine		16.75	
32 93 13 00-0099	EA 1 Gallon Jasminum volubile - Wax Jasmine		41.57	
32 93 13 00-0100	EA 1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper		20.89	
32 93 13 00-0101	EA 3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper		46.50	
32 93 13 00-0102	EA 2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper		77.44	
32 93 13 00-0103	EA 1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper		36.08	
32 93 13 00-0104	EA 1 Gallon Juniperus Horizontalis - Prostrate Juniper		36.35	
32 93 13 00-0105	EA 3 Gallon Juniperus Horizontalis - Prostrate Juniper		78.02	
32 93 13 00-0106	EA 5 Gallon Juniperus Horizontalis - Prostrate Juniper		115.26	
32 93 13 00-0107	EA 1 Gallon Lantana spp. Various Colors		18.82	
32 93 13 00-0108	EA 4" Pot Lantana camera - Common Lantana		7.98	
32 93 13 00-0109	EA 1 Gallon Lantana camera - Common Lantana		23.05	
32 93 13 00-0110	EA 1 Gallon Lantana sellowiana - Trailing Lantana		12.38	
32 93 13 00-0111	EA 4" Pot Lavandula angustifolia - English Lavender		11.53	
32 93 13 00-0112	EA 1 Quart Lavandula angustifolia - English Lavender		22.17	
32 93 13 00-0113	EA 1 Gallon Lavandula angustifolia - English Lavender		36.35	
32 93 13 00-0114	EA 1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum		18.82	
32 93 13 00-0115	EA 1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum		23.74	
32 93 13 00-0116	EA 3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum		37.96	
32 93 13 00-0117	EA 1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope		14.88	
32 93 13 00-0118	EA 1 Gallon Liriope muscari 'Variegata' - Variegated Lilytuft		36.35	
32 93 13 00-0119	EA 2 Quart Liriope spicata - Creeping Lilytuft		23.05	
32 93 13 00-0120	EA 1 Gallon Liriope spicata - Creeping Lilytuft		41.67	
32 93 13 00-0121	EA 5 Gallon Liriope spicata - Creeping Lilytuft		87.78	
32 93 13 00-0122	EA Bare Root Liriope spicata - Creeping Liriope		5.81	
32 93 13 00-0123	EA 1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle		36.35	
32 93 13 00-0124	EA 2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle		69.16	
32 93 13 00-0125	EA 3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle		7.98	
32 93 13 00-0126	EA 1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle		36.35	
32 93 13 00-0127	EA 2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle		69.16	
32 93 13 00-0128	EA 2 Quart Lysimachia nummularia - Creeping Jenny		13.30	
32 93 13 00-0129	EA 1 Gallon Lysimachia nummularia - Creeping Jenny		25.71	
32 93 13 00-0130	EA 1 Gallon Macfadyena unguis-cati - Cat Claw Vine		31.92	
32 93 13 00-0131	EA 5 Gallon Macfadyena unguis-cati - Cat Claw Vine		138.31	
32 93 13 00-0132	EA 1 Quart Moss Phlox, Creeping Phlox		13.30	
32 93 13 00-0133	EA 1 Gallon Moss Phlox, Creeping Phlox		31.92	
32 93 13 00-0134	EA 1 Gallon Nephrolepis exaltata - Common Boston Fern		16.75	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0135	EA	1 Quart Nepeta mussinii - Persian Catmint.....	13.30
32 93 13 00-0136	EA	1 Gallon Nepeta mussinii - Persian Catmint.....	27.49
32 93 13 00-0137	EA	4" Pot Ophiopogon Japonicus - Mondo grass.....	7.98
32 93 13 00-0138	EA	1 Gallon Ophiopogon Japonicus - Mondo grass.....	31.92
32 93 13 00-0139	EA	5 Gallon Ophiopogon Japonicus - Mondo grass.....	73.59
32 93 13 00-0140	EA	2' To 3' High Oregon Holly-Grape.....	36.85
32 93 13 00-0141	EA	1 Gallon Pachysandra terminalis - Pachysandra.....	48.00
32 93 13 00-0142	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy.....	17.73
32 93 13 00-0143	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy.....	40.43
32 93 13 00-0144	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy.....	110.65
32 93 13 00-0145	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper.....	7.98
32 93 13 00-0146	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper.....	41.67
32 93 13 00-0147	EA	1 Gallon Ranunculaceae - Clematis Varieties.....	45.81
32 93 13 00-0148	EA	2 Gallon Ranunculaceae - Clematis Varieties.....	84.73
32 93 13 00-0149	EA	3 Gallon Rhamphilepis umbellata 'Minor' - Dwarf Indian Hawthorn.....	51.60
32 93 13 00-0150	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	7.98
32 93 13 00-0151	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	31.92
32 93 13 00-0152	EA	2-1/4" Pot Securigera varia - Crown Vetch.....	5.32
32 93 13 00-0153	EA	50 Plant Flat Securigera varia - Crown Vetch.....	179.98
32 93 13 00-0154	EA	1 Quart Senecio cineraria - Dusty Miller.....	13.30
32 93 13 00-0155	EA	1 Gallon Senecio cineraria - Dusty Miller.....	31.92
32 93 13 00-0156	EA	1 Quart Stachys byzantina - Lamb's Ear.....	13.30
32 93 13 00-0157	EA	1 Quart Stachys byzantina - Lamb's Ear.....	31.92
32 93 13 00-0158	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	17.20
32 93 13 00-0159	EA	1 Gallon Tradescantia spathacea - Rhoecol Discolor "Dwarf".....	16.75
32 93 13 00-0160	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum.....	112.21
32 93 13 00-0161	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena.....	16.85
32 93 13 00-0162	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena.....	25.71
32 93 13 00-0163	EA	2-1/4" Pot Vinca minor - Periwinkle.....	4.43
32 93 13 00-0164	EA	4" Pot Vinca minor - Periwinkle.....	13.30
32 93 13 00-0165	EA	Bare Root Vinca minor - Periwinkle.....	4.43
32 93 13 00-0166	EA	48 Plant Flat Vinca minor - Lesser Periwinkle.....	158.03
32 93 13 00-0167	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle.....	4.43
32 93 13 00-0168	EA	4" Pot Vinca major - Variegated Greater Periwinkle.....	13.30
32 93 13 00-0169	EA	Bare Root Vinca major - Variegated Greater Periwinkle.....	4.43
32 93 13 00-0170	EA	1 Quart Waldsteinia ternata - Barren Strawberry.....	13.30
32 93 13 00-0171	EA	1 Gallon Waldsteinia ternata - Barren Strawberry.....	31.92
32 93 13 00-0172	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	41.67
32 93 13 00-0173	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	92.21
32 93 13 00-0174	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine.....	138.31
32 93 13 00-0175	EA	Flat Hedera canariensis - Algerian Ivy.....	25.84
32 93 13 00-0176	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy.....	6.82
32 93 13 00-0177	EA	Flat Gazania 'Copper King'.....	21.19
32 93 13 00-0178	EA	1 Gallon Gazania 'Copper King'.....	7.24
32 93 13 00-0179	EA	Flat Myoporum parvifolium - Myoporum.....	25.84
32 93 13 00-0180	EA	1 Gallon Myoporum parvifolium - Myoporum.....	7.24
32 93 13 00-0181	EA	5 Gallon Myoporum parvifolium - Myoporum.....	20.68
32 93 13 00-0182	EA	1 Gallon Lantana montevidensis - Purple Lantana.....	7.24
32 93 13 00-0183	EA	5 Gallon Lantana montevidensis - Purple Lantana.....	20.68
32 93 13 00-0184	EA	Flat Carpobrotus - Ice Plant.....	19.64
32 93 13 00-0185	EA	1 Gallon Carpobrotus - Ice Plant.....	8.27

32 93 23 Plants and Bulbs (32 93)

Note: Materials only. See CSI section 32 93 83 00-0078 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2 Quart Assorted Daylilies.....	25.71
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies.....	36.35
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies.....	60.29
32 93 23 00-0005	EA	1 Quart Azure Penstemon.....	13.30
32 93 23 00-0006	EA	1 Gallon Azure Penstemon.....	33.25
32 93 23 00-0007	EA	1 Quart Balloon Flower.....	13.30
32 93 23 00-0008	EA	1 Gallon Balloon Flower.....	33.25
32 93 23 00-0009	EA	1 Quart Black-eyed Susan.....	13.30
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan.....	33.25
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan.....	43.00
32 93 23 00-0012	EA	1 Quart Blackberry Lily.....	13.30
32 93 23 00-0013	EA	1 Gallon Blackberry Lily.....	33.25
32 93 23 00-0014	EA	1 Quart Blank Flower.....	13.30
32 93 23 00-0015	EA	1 Gallon Blank Flower.....	30.59
32 93 23 00-0016	EA	2 Gallon Blank Flower.....	43.00
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather.....	13.30
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather.....	33.25
32 93 23 00-0019	EA	1 Quart Bloodred Geranium.....	22.61
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium.....	38.13
32 93 23 00-0021	EA	1 Quart Blue Plumbago.....	13.30
32 93 23 00-0022	EA	1 Gallon Blue Plumbago.....	33.25
32 93 23 00-0023	EA	1 Quart Blue Star.....	23.94
32 93 23 00-0024	EA	1 Gallon Blue Star.....	38.13
32 93 23 00-0025	EA	1 Quart Cardinal Flower.....	13.30
32 93 23 00-0026	EA	1 Gallon Cardinal Flower.....	33.25
32 93 23 00-0027	EA	4" Pot Columbine.....	7.98
32 93 23 00-0028	EA	1 Quart Columbine.....	13.30
32 93 23 00-0029	EA	1 Gallon Columbine.....	33.25
32 93 23 00-0030	EA	1 Quart Common Globeflower.....	13.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0031	EA	1	Gallon Common Globeflower.....	33.25	
32 93 23 00-0032	EA	1	Quart Cottage Pink, Scotch Pink	13.30	
32 93 23 00-0033	EA	1	Quart Cottage Pink, Scotch Pink	33.25	
32 93 23 00-0034	EA	1	Gallon Astilbe 'Deutschland'	47.88	
32 93 23 00-0035	EA	1	Quart Diploid.....	16.85	
32 93 23 00-0036	EA	1	Gallon Diploid	38.13	
32 93 23 00-0037	EA	3	Gallon Diploid	65.61	
32 93 23 00-0038	EA	4"	Pot Dune Sunflower.....	18.98	
32 93 23 00-0039	EA	1	Quart Evans Begonia.....	23.94	
32 93 23 00-0040	EA	1	Gallon Evans Begonia	43.00	
32 93 23 00-0041	EA	1	Quart False Dragonhead	13.30	
32 93 23 00-0042	EA	1	Gallon False Dragonhead.....	33.25	
32 93 23 00-0043	EA	1	Quart False Spirea.....	13.30	
32 93 23 00-0044	EA	1	Gallon False Spirea	43.00	
32 93 23 00-0045	EA	3	Gallon False Spirea	59.40	
32 93 23 00-0046	EA	2	Quart False Sunflower	21.28	
32 93 23 00-0047	EA	1	Gallon False Sunflower.....	33.25	
32 93 23 00-0048	EA	2	Gallon False Sunflower.....	43.00	
32 93 23 00-0049	EA	1	Gallon Foxglove.....	30.59	
32 93 23 00-0050	EA	2	Gallon Foxglove.....	43.00	
32 93 23 00-0051	EA	3	Gallon Foxglove.....	62.06	
32 93 23 00-0052	EA	1	Gallon Francee Hostas	53.84	
32 93 23 00-0053	EA	1	Quart Garden Phlox.....	13.30	
32 93 23 00-0054	EA	1	Gallon Garden Phlox	33.25	
32 93 23 00-0055	EA	2	Quart Golden Groundsel.....	28.37	
32 93 23 00-0056	EA	2	Gallon Golden Groundsel	57.19	
32 93 23 00-0057	EA	1	Quart Golden Star.....	13.30	
32 93 23 00-0058	EA	1	Gallon Golden Star	33.25	
32 93 23 00-0059	EA	1	Quart Goldenrod	13.30	
32 93 23 00-0060	EA	1	Gallon Goldenrod.....	33.25	
32 93 23 00-0061	EA	1	Gallon Happy Returns Daylillies	61.92	
32 93 23 00-0062	EA	4"	Pot Hardy Aster, Michaelmas Daisy	7.98	
32 93 23 00-0063	EA	1	Quart Hardy Aster, Michaelmas Daisy	13.30	
32 93 23 00-0064	EA	1	Gallon Hardy Aster, Michaelmas Daisy	33.25	
32 93 23 00-0065	EA	1	Quart Hardy Chrysanthemum.....	11.53	
32 93 23 00-0066	EA	6"	To 8" Pot Hardy Chrysanthemum.....	19.07	
32 93 23 00-0067	EA	1	Gallon Hardy Chrysanthemum.....	30.59	
32 93 23 00-0068	EA	1	Gallon Herbaceous Peony.....	47.44	
32 93 23 00-0069	EA	2	Gallon Herbaceous Peony	75.81	
32 93 23 00-0070	EA	3	Gallon Herbaceous Peony	99.75	
32 93 23 00-0071	EA	4"	Pot Japanese Anemone	7.98	
32 93 23 00-0072	EA	1	Quart Japanese Anemone.....	23.94	
32 93 23 00-0073	EA	2	Gallon Japanese Anemone	43.00	
32 93 23 00-0074	EA	2"	Pot Japanese Spurge	4.73	
32 93 23 00-0075	EA	6"	Pot Japanese Spurge	7.09	
32 93 23 00-0076	EA	1	Gallon Japanese Spurge	30.54	
32 93 23 00-0077	EA	1	Quart Oriental Poppy	19.07	
32 93 23 00-0078	EA	1	Gallon Oriental Poppy.....	38.13	
32 93 23 00-0079	EA	48	Plant Flat Pachysandra terminalis	158.03	
32 93 23 00-0080	EA	1	Gallon Pacific Coast Iris.....	26.16	
32 93 23 00-0081	EA	3	Gallon Pacific Coast Iris.....	49.66	
32 93 23 00-0082	EA	1	Gallon Palace Purple Coral Bells.....	50.34	
32 93 23 00-0083	EA	4"	Pot Perennial Salvia	7.98	
32 93 23 00-0084	EA	1	Quart Perennial Salvia.....	13.30	
32 93 23 00-0085	EA	1	Gallon Perennial Salvia	33.25	
32 93 23 00-0086	EA	1	Quart Pincushion Flower	13.30	
32 93 23 00-0087	EA	1	Gallon Pincushion Flower	33.25	
32 93 23 00-0088	EA	2	Quart Plantain Lily	25.71	
32 93 23 00-0089	EA	1	Gallon Plantain Lily	36.35	
32 93 23 00-0090	EA	2	Gallon Plantain Lily	60.29	
32 93 23 00-0091	EA	3	Gallon Plantain Lily	113.94	
32 93 23 00-0092	EA	2	Quart Purple Coneflower	23.94	
32 93 23 00-0093	EA	1	Gallon Purple Coneflower	33.25	
32 93 23 00-0094	EA	2	Gallon Purple Coneflower	43.00	
32 93 23 00-0095	EA	1	Quart Purple Loosestrife.....	13.30	
32 93 23 00-0096	EA	1	Gallon Purple Loosestrife	33.25	
32 93 23 00-0097	EA	1	Quart Rose Mallow	26.16	
32 93 23 00-0098	EA	2	Gallon Rose Mallow	47.44	
32 93 23 00-0099	EA	3	Gallon Rose Mallow	81.13	
32 93 23 00-0100	EA	1	Gallon Autumn Joy Sedum	50.69	
32 93 23 00-0101	EA	1	Quart Siberian Iris.....	22.61	
32 93 23 00-0102	EA	2	Gallon Siberian Iris	43.00	
32 93 23 00-0103	EA	3	Gallon Siberian Iris	59.40	
32 93 23 00-0104	EA	1	Quart Speedwell	13.30	
32 93 23 00-0105	EA	1	Gallon Speedwell.....	33.25	
32 93 23 00-0106	EA	1	Quart Tetraploid.....	33.25	
32 93 23 00-0107	EA	1	Gallon Tetraploid	62.06	
32 93 23 00-0108	EA	3	Gallon Tetraploid	84.68	
32 93 23 00-0109	EA	1	Quart Threadleaf Coreopsis.....	13.30	
32 93 23 00-0110	EA	1	Gallon Threadleaf Coreopsis	33.25	
32 93 23 00-0111	EA	1	Quart Torch Lily	13.30	
32 93 23 00-0112	EA	1	Quart Bluebeard	23.94	
32 93 23 00-0113	EA	1	Gallon Bluebeard	35.47	
32 93 23 00-0114	EA	2	Gallon Bluebeard	51.87	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 93 23 00-0115 Annuals** (32 93 23)

32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	6.17
32 93 23 00-0117	EA	3" Pot Annual Flowers	8.35
32 93 23 00-0118	EA	4" Pot Annual Flowers	17.84
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	23.73
32 93 23 00-0120	EA	6" Pot Annual Flowers	46.98
32 93 23 00-0121	EA	8" Pot Annual Flowers	78.30
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	102.50
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers	116.27

32 93 23 00-0124 Bulbs (32 93 23)

32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	21.46
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	1.24
32 93 23 00-0127	EA	Top Size Crocus Hybrid	1.40
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	1.82
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	2.31
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.91
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	1.07
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	1.24
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	7.43
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	3.55
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	3.71
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	3.71
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	3.88
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	4.13
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	3.88
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.63
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	3.88
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	3.88
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	1.16
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.30
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.48
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.30
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	2.89
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	4.13
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	3.14
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.72
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	3.05
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	3.05
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	3.05
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	2.48
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.39
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.48
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory Floridale Tulip	4.13
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.48
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.30
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.55
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.71
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	2.97
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	2.81
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	3.05
32 93 23 00-0165	EA	Top Size Tulip 'Princesps' - Princesps Tulip	3.05
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.39
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	1.65
32 93 23 00-0168	EA	Top Size Tulip 'Shirley' - Shirley Tulip	2.48
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	3.22
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.48

32 93 33 Shrubs (32 93)

Note: (cvs = cultivar or cultivated varieties) materials only. See CSI section 32 93 83 00-0054 for installation and planting of shrubs.

32 93 33 00-0001 Shrubs (32 93 33)

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	22.62
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	46.07
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	88.43
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	9.61
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	23.78
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	94.38
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	105.93
32 93 33 00-0009	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	154.82
32 93 33 00-0010	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	172.74
32 93 33 00-0011	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	218.37
32 93 33 00-0012	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	242.82
32 93 33 00-0013	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	48.89
32 93 33 00-0014	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	65.19
32 93 33 00-0015	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	81.48
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	9.61
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	23.78
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	44.47
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	52.31
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	62.78
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	73.24

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
32 93 33 00-0022	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry		88.93	
32 93 33 00-0023	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry		43.16	
32 93 33 00-0024	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry		45.77	
32 93 33 00-0025	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry		48.39	
32 93 33 00-0026	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry		54.93	
32 93 33 00-0027	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry		43.81	
32 93 33 00-0028	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry		46.43	
32 93 33 00-0029	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry		49.04	
32 93 33 00-0030	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry		51.66	
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant		8.99	
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant		20.79	
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant		10.54	
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant		23.18	
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant		31.33	
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush		9.61	
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush		23.78	
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush		9.61	
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush		23.78	
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush		11.24	
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush		16.44	
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry		46.92	
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry		59.57	
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry		83.46	
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry		10.85	
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry		26.15	
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry		50.16	
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry		64.21	
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry		82.05	
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry		13.49	
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry		26.55	
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry		32.45	
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry		12.79	
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry		36.11	
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry		50.16	
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry		77.41	
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood		14.61	
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood		39.20	
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood		41.73	
32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood		53.67	
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood		71.51	
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood		107.34	
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood		149.07	
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood		41.73	
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood		53.67	
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood		71.51	
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood		107.34	
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars		27.46	
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars		45.77	
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood		120.32	
32 93 33 00-0071	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood		65.39	
32 93 33 00-0072	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood		88.93	
32 93 33 00-0073	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood		120.32	
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush		8.36	
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush		25.73	
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush		83.62	
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub		43.16	
32 93 33 00-0078	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub		39.23	
32 93 33 00-0079	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub		52.31	
32 93 33 00-0080	EA	1 Gallon Camellia "Sasanqua" - Camellia		16.76	
32 93 33 00-0081	EA	3 Gallon Camellia "Sasanqua" - Camellia		35.75	
32 93 33 00-0082	EA	5 Gallon Camellia "Sasanqua" - Camellia		59.43	
32 93 33 00-0083	EA	7 Gallon Camellia "Sasanqua" - Camellia		88.50	
32 93 33 00-0084	EA	15 Gallon Camellia "Sasanqua" - Camellia		229.62	
32 93 33 00-0085	EA	1 Gallon Camellia japonica - Camellia		16.76	
32 93 33 00-0086	EA	3 Gallon Camellia japonica - Camellia		35.75	
32 93 33 00-0087	EA	5 Gallon Camellia japonica - Camellia		59.43	
32 93 33 00-0088	EA	5 Gallon Ceanothus americanus - New Jersey Tea		43.16	
32 93 33 00-0089	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus		10.85	
32 93 33 00-0090	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus		28.22	
32 93 33 00-0091	EA	5 Gallon Celastrus scandens - Bittersweet		43.16	
32 93 33 00-0092	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet		36.62	
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush		43.16	
32 93 33 00-0094	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush		32.70	
32 93 33 00-0095	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush		36.62	
32 93 33 00-0096	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush		39.23	
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince		37.65	
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince		50.16	
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince		77.41	
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose		9.61	
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose		23.78	
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra		41.85	
32 93 33 00-0103	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra		45.12	
32 93 33 00-0104	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra		50.35	
32 93 33 00-0105	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra		52.97	
32 93 33 00-0106	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra		62.12	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	9.61	
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	23.78	
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	111.33	
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	59.57	
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	74.46	
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	95.40	
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	131.08	
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	39.23	
32 93 33 00-0115	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	27.46	
32 93 33 00-0116	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	31.39	
32 93 33 00-0117	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	39.23	
32 93 33 00-0118	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	47.08	
32 93 33 00-0119	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	39.23	
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	43.16	
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	43.16	
32 93 33 00-0122	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	39.23	
32 93 33 00-0123	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	45.77	
32 93 33 00-0124	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	49.70	
32 93 33 00-0125	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	60.16	
32 93 33 00-0126	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	42.50	
32 93 33 00-0127	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	47.74	
32 93 33 00-0128	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	54.27	
32 93 33 00-0129	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	34.00	
32 93 33 00-0130	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	39.23	
32 93 33 00-0131	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	41.85	
32 93 33 00-0132	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	45.77	
32 93 33 00-0133	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	51.01	
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	40.54	
32 93 33 00-0135	EA	30" Balled and Burlapped, Corylus americana - American Filbert	45.77	
32 93 33 00-0136	EA	36" Balled and Burlapped, Corylus americana - American Filbert	49.04	
32 93 33 00-0137	EA	48" Balled and Burlapped, Corylus americana - American Filbert	52.97	
32 93 33 00-0138	EA	24" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	130.78	
32 93 33 00-0139	EA	30" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	170.02	
32 93 33 00-0140	EA	36" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	183.10	
32 93 33 00-0141	EA	42" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	235.41	
32 93 33 00-0142	EA	48" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	287.72	
32 93 33 00-0143	EA	60" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	326.96	
32 93 33 00-0144	EA	5' To 6' Cotinus coggygia - Smoke Tree	125.18	
32 93 33 00-0145	EA	6' To 8' Cotinus coggygia - Smoke Tree	187.70	
32 93 33 00-0146	EA	8' To 10' Cotinus coggygia - Smoke Tree	283.10	
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.70	
32 93 33 00-0148	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.70	
32 93 33 00-0149	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	34.00	
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	31.33	
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.00	
32 93 33 00-0152	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.70	
32 93 33 00-0153	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.00	
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	13.49	
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	41.73	
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	56.34	
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	95.40	
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	9.61	
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	23.78	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	13.49	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	26.55	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	9.61	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	23.78	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	94.38	
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	21.44	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	53.60	
32 93 33 00-0167	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	33.35	
32 93 33 00-0168	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	36.62	
32 93 33 00-0169	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	47.08	
32 93 33 00-0170	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	54.93	
32 93 33 00-0171	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	62.78	
32 93 33 00-0172	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	52.31	
32 93 33 00-0173	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	62.78	
32 93 33 00-0174	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	73.24	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	19.62	
32 93 33 00-0176	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	47.08	
32 93 33 00-0177	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	62.78	
32 93 33 00-0178	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	23.78	
32 93 33 00-0179	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	9.61	
32 93 33 00-0180	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	23.78	
32 93 33 00-0181	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	94.38	
32 93 33 00-0182	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	9.61	
32 93 33 00-0183	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	23.78	
32 93 33 00-0184	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	94.38	
32 93 33 00-0185	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	39.06	
32 93 33 00-0186	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	53.67	
32 93 33 00-0187	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	64.21	
32 93 33 00-0188	EA	3' To 4' Elaeagnus angustifolia - Russian Olive	62.52	
32 93 33 00-0189	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	9.61	
32 93 33 00-0190	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	23.78	
32 93 33 00-0191	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	94.38	

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
32 93 33 00-0192	EA	1 Gallon Euonymus - Gold Spot	11.24	
32 93 33 00-0193	EA	2 Gallon Euonymus - Gold Spot	23.60	
32 93 33 00-0194	EA	5 Gallon Euonymus - Gold Spot	32.46	
32 93 33 00-0195	EA	1 Gallon Euonymus alatus - Winged Euonymus.....	9.60	
32 93 33 00-0196	EA	3 Gallon Euonymus alatus - Winged Euonymus.....	27.67	
32 93 33 00-0197	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	37.30	
32 93 33 00-0198	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	46.62	
32 93 33 00-0199	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	64.07	
32 93 33 00-0200	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	79.11	
32 93 33 00-0201	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	93.25	
32 93 33 00-0202	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	120.32	
32 93 33 00-0203	EA	5 Gallon Euonymus alatus - Winged Euonymus.....	34.59	
32 93 33 00-0204	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	150.40	
32 93 33 00-0205	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	58.85	
32 93 33 00-0206	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	69.97	
32 93 33 00-0207	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	91.55	
32 93 33 00-0208	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	109.86	
32 93 33 00-0209	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	136.01	
32 93 33 00-0210	EA	18" To 24" Euonymus alatus - Winged Burning Bush.....	41.73	
32 93 33 00-0211	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	49.17	
32 93 33 00-0212	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	67.16	
32 93 33 00-0213	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	80.50	
32 93 33 00-0214	EA	3-1/2' To 4' Euonymus alatus - Winged Burning Bush	101.30	
32 93 33 00-0215	EA	4' To 5' Euonymus alatus - Winged Burning Bush	143.03	
32 93 33 00-0216	EA	5' To 6' Euonymus alatus - Winged Burning Bush	178.85	
32 93 33 00-0217	EA	6' To 8' Euonymus alatus - Winged Burning Bush	208.64	
32 93 33 00-0218	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush.....	41.73	
32 93 33 00-0219	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush.....	47.63	
32 93 33 00-0220	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	58.17	
32 93 33 00-0221	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	82.05	
32 93 33 00-0222	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	96.94	
32 93 33 00-0223	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush.....	116.19	
32 93 33 00-0224	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush.....	163.96	
32 93 33 00-0225	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush.....	193.74	
32 93 33 00-0226	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	35.31	
32 93 33 00-0227	EA	1 Gallon Euonymus fortunei - Wintercreeper	13.49	
32 93 33 00-0228	EA	2 Gallon Euonymus fortunei - Wintercreeper	26.55	
32 93 33 00-0229	EA	3 Gallon Euonymus fortunei - Wintercreeper	32.46	
32 93 33 00-0230	EA	5 Gallon Euonymus fortunei - Wintercreeper	38.50	
32 93 33 00-0231	EA	1 Gallon Euonymus japonicus - Evergreen Spindle.....	9.61	
32 93 33 00-0232	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	23.78	
32 93 33 00-0233	EA	15 Gallon Euonymus japonicus - Evergreen Spindle.....	94.38	
32 93 33 00-0234	EA	2' To 3' Forsythia - Korean Forsythia	29.79	
32 93 33 00-0235	EA	3' To 4' Forsythia - Korean Forsythia	37.65	
32 93 33 00-0236	EA	4' To 5' Forsythia - Korean Forsythia	46.92	
32 93 33 00-0237	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	30.08	
32 93 33 00-0238	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	33.35	
32 93 33 00-0239	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	35.97	
32 93 33 00-0240	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	31.39	
32 93 33 00-0241	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	41.85	
32 93 33 00-0242	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	31.39	
32 93 33 00-0243	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	36.62	
32 93 33 00-0244	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	43.16	
32 93 33 00-0245	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	49.70	
32 93 33 00-0246	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	57.54	
32 93 33 00-0247	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	44.47	
32 93 33 00-0248	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	62.12	
32 93 33 00-0249	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	65.39	
32 93 33 00-0250	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	68.01	
32 93 33 00-0251	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	73.24	
32 93 33 00-0252	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	88.93	
32 93 33 00-0253	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla.....	115.09	
32 93 33 00-0254	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla.....	130.78	
32 93 33 00-0255	EA	1 Gallon Gardenia jasminoides - Cape Jasmine.....	9.69	
32 93 33 00-0256	EA	3 Gallon Gardenia jasminoides - Cape Jasmine.....	25.43	
32 93 33 00-0257	EA	5 Gallon Gardenia jasminoides - Cape Jasmine.....	32.46	
32 93 33 00-0258	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea	9.61	
32 93 33 00-0259	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea	23.78	
32 93 33 00-0260	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea	94.38	
32 93 33 00-0261	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	91.55	
32 93 33 00-0262	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	149.09	
32 93 33 00-0263	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	188.33	
32 93 33 00-0264	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	287.72	
32 93 33 00-0265	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	326.96	
32 93 33 00-0266	EA	1 Gallon Hedychium gartdnerum - Variegated Ginger.....	5.56	
32 93 33 00-0267	EA	3 Gallon Hedychium gartdnerum - Variegated Ginger.....	19.55	
32 93 33 00-0268	EA	5 Gallon Hedychium gartdnerum - Variegated Ginger.....	37.60	
32 93 33 00-0269	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	14.26	
32 93 33 00-0270	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	24.06	
32 93 33 00-0271	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	36.40	
32 93 33 00-0272	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon.....	37.65	
32 93 33 00-0273	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon.....	32.03	
32 93 33 00-0274	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon.....	43.27	
32 93 33 00-0275	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon.....	62.52	
32 93 33 00-0276	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon.....	86.41	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0277	EA	2 Gallon Hydrangea - Blue Hydrangea	26.55
32 93 33 00-0278	EA	5 Gallon Hydrangea - Blue Hydrangea	37.37
32 93 33 00-0279	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	41.73
32 93 33 00-0280	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	47.63
32 93 33 00-0281	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea	26.55
32 93 33 00-0282	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	45.77
32 93 33 00-0283	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	49.70
32 93 33 00-0284	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	57.54
32 93 33 00-0285	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	60.16
32 93 33 00-0286	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	47.08
32 93 33 00-0287	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	62.78
32 93 33 00-0288	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	27.46
32 93 33 00-0289	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	32.70
32 93 33 00-0290	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	28.12
32 93 33 00-0291	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	30.08
32 93 33 00-0292	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	34.00
32 93 33 00-0293	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	39.23
32 93 33 00-0294	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	52.31
32 93 33 00-0295	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	37.93
32 93 33 00-0296	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	43.16
32 93 33 00-0297	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	51.01
32 93 33 00-0298	EA	2 Gallon Hypericum kalmianum - St. John's Wort	26.55
32 93 33 00-0299	EA	3 Gallon Hypericum kalmianum - Kalm St. John's Wort	31.39
32 93 33 00-0300	EA	24" Balled and Burlapped, Hypericum kalmianum - Kalm St. John's Wort	34.00
32 93 33 00-0301	EA	1 Gallon Ilex "Carissa" - Holly	13.49
32 93 33 00-0302	EA	2 Gallon Ilex "Carissa" - Holly	26.55
32 93 33 00-0303	EA	5 Gallon Ilex "Carissa" - Holly	37.37
32 93 33 00-0304	EA	18" To 24" Ilex - Gulfside Sweet Holly	35.83
32 93 33 00-0305	EA	2' To 2-1/2' Ilex - Gulfside Sweet Holly	45.38
32 93 33 00-0306	EA	2-1/2' To 3' Ilex - Gulfside Sweet Holly	58.87
32 93 33 00-0307	EA	3' To 3-1/2' Ilex - Gulfside Sweet Holly	71.51
32 93 33 00-0308	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	26.76
32 93 33 00-0309	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	13.49
32 93 33 00-0310	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	26.55
32 93 33 00-0311	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	38.50
32 93 33 00-0312	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	13.49
32 93 33 00-0313	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	29.51
32 93 33 00-0314	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	38.50
32 93 33 00-0315	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	29.50
32 93 33 00-0316	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	35.55
32 93 33 00-0317	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	71.51
32 93 33 00-0318	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	95.40
32 93 33 00-0319	EA	2' To 3' Ilex opaca - American Holly	95.40
32 93 33 00-0320	EA	3' To 4' Ilex opaca - American Holly	157.92
32 93 33 00-0321	EA	4' To 5' Ilex opaca - American Holly	202.60
32 93 33 00-0322	EA	5' To 6' Ilex opaca - American Holly	244.32
32 93 33 00-0323	EA	6' To 7' Ilex opaca - American Holly	342.67
32 93 33 00-0324	EA	7' To 8' Ilex opaca - American Holly	476.85
32 93 33 00-0325	EA	8' To 10' Ilex opaca - American Holly	685.34
32 93 33 00-0326	EA	10' To 12' Ilex opaca - American Holly	1,043.05
32 93 33 00-0327	EA	12' To 14' Ilex opaca - American Holly	1,266.44
32 93 33 00-0328	EA	14' To 16' Ilex opaca - American Holly	1,564.43
32 93 33 00-0329	EA	2' To 3' Ilex verticillata - Winterberry (Female)	95.40
32 93 33 00-0330	EA	3' To 4' Ilex verticillata - Winterberry (Female)	125.18
32 93 33 00-0331	EA	2' To 3' Ilex verticillata - Winterberry (Male)	77.41
32 93 33 00-0332	EA	3' To 4' Ilex verticillata - Winterberry (Male)	107.34
32 93 33 00-0333	EA	4' To 5' Ilex verticillata - Winterberry (Male)	125.18
32 93 33 00-0334	EA	1 Gallon Ilex vomitoria - Yaupon Holly	12.65
32 93 33 00-0335	EA	3 Gallon Ilex vomitoria - Yaupon Holly	25.43
32 93 33 00-0336	EA	10 Gallon Ilex vomitoria - Yaupon Holly	89.36
32 93 33 00-0337	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	40.54
32 93 33 00-0338	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	45.77
32 93 33 00-0339	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	52.31
32 93 33 00-0340	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	48.39
32 93 33 00-0341	EA	24" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	58.85
32 93 33 00-0342	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	43.16
32 93 33 00-0343	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	43.16
32 93 33 00-0344	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	45.77
32 93 33 00-0345	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	54.93
32 93 33 00-0346	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	61.47
32 93 33 00-0347	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	65.39
32 93 33 00-0348	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	83.70
32 93 33 00-0349	EA	4' To 5' Ilex x attenuata "Foster" - Holly	154.97
32 93 33 00-0350	EA	5' To 6' Ilex x attenuata "Foster" - Holly	205.55
32 93 33 00-0351	EA	6' To 7' Ilex x attenuata "Foster" - Holly	183.91
32 93 33 00-0352	EA	7' To 8' Ilex x attenuata "Foster" - Holly	357.56
32 93 33 00-0353	EA	1 Gallon Jasminum - Jasmine	3.46
32 93 33 00-0354	EA	3 Gallon Jasminum - Jasmine	13.54
32 93 33 00-0355	EA	3 Gallon Jasminum - Orange Jasmine	10.53
32 93 33 00-0356	EA	4' - 5' Jasminum - Orange Jasmine	120.32
32 93 33 00-0357	EA	6' - 7' Jasminum - Orange Jasmine	240.64
32 93 33 00-0358	EA	8' - 10' Jasminum - Orange Jasmine	324.86
32 93 33 00-0359	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper	45.77
32 93 33 00-0360	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper	51.01
32 93 33 00-0361	EA	18" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	68.01

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0362	EA	24" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	88.93	
32 93 33 00-0363	EA	30" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	104.63	
32 93 33 00-0364	EA	36" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	141.25	
32 93 33 00-0365	EA	48" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	193.56	
32 93 33 00-0366	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	21.81	
32 93 33 00-0367	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	45.77	
32 93 33 00-0368	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	51.01	
32 93 33 00-0369	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	54.93	
32 93 33 00-0370	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	60.16	
32 93 33 00-0371	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	73.24	
32 93 33 00-0372	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	88.93	
32 93 33 00-0373	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	35.31	
32 93 33 00-0374	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	41.85	
32 93 33 00-0375	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	57.54	
32 93 33 00-0376	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	73.24	
32 93 33 00-0377	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	88.93	
32 93 33 00-0378	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	32.70	
32 93 33 00-0379	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	39.23	
32 93 33 00-0380	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	34.00	
32 93 33 00-0381	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	65.39	
32 93 33 00-0382	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	102.01	
32 93 33 00-0383	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	128.17	
32 93 33 00-0384	EA	15" To 18" Kalmia latifolia - Mountain Laurel	53.67	
32 93 33 00-0385	EA	18" To 24" Kalmia latifolia - Mountain Laurel	71.51	
32 93 33 00-0386	EA	2' To 3' Kalmia latifolia - Mountain Laurel	104.25	
32 93 33 00-0387	EA	4' To 5' Kalmia latifolia - Mountain Laurel	190.65	
32 93 33 00-0388	EA	5' To 6' Kalmia latifolia - Mountain Laurel	292.09	
32 93 33 00-0389	EA	6' To 8' Kalmia latifolia - Mountain Laurel	447.06	
32 93 33 00-0390	EA	1 Gallon Kerria japonica - Kerria	11.94	
32 93 33 00-0391	EA	5 Gallon Kerria japonica - Kerria	37.37	
32 93 33 00-0392	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	37.93	
32 93 33 00-0393	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	43.16	
32 93 33 00-0394	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	47.08	
32 93 33 00-0395	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	54.93	
32 93 33 00-0396	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	62.78	
32 93 33 00-0397	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	78.47	
32 93 33 00-0398	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	8.99	
32 93 33 00-0399	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	32.03	
32 93 33 00-0400	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	44.68	
32 93 33 00-0401	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	65.61	
32 93 33 00-0402	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	104.25	
32 93 33 00-0403	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	135.36	
32 93 33 00-0404	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	180.48	
32 93 33 00-0405	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	376.00	
32 93 33 00-0406	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	13.49	
32 93 33 00-0407	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	29.51	
32 93 33 00-0408	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	35.55	
32 93 33 00-0409	EA	1 Gallon Ligustrum lucidum - Glossy Privet	8.29	
32 93 33 00-0410	EA	5 Gallon Ligustrum lucidum - Glossy Privet	25.43	
32 93 33 00-0411	EA	15 Gallon Ligustrum lucidum - Glossy Privet	119.14	
32 93 33 00-0412	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	8.29	
32 93 33 00-0413	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	17.84	
32 93 33 00-0414	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	23.18	
32 93 33 00-0415	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	39.23	
32 93 33 00-0416	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	57.54	
32 93 33 00-0417	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	73.24	
32 93 33 00-0418	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	83.70	
32 93 33 00-0419	EA	5 Gallon Linderia benzoin - Spicebush	43.16	
32 93 33 00-0420	EA	36" Balled and Burlapped, Linderia benzoin - Spicebush	36.62	
32 93 33 00-0421	EA	48" Balled and Burlapped, Linderia benzoin - Spicebush	44.47	
32 93 33 00-0422	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	71.51	
32 93 33 00-0423	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	86.40	
32 93 33 00-0424	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	39.23	
32 93 33 00-0425	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	47.08	
32 93 33 00-0426	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	52.31	
32 93 33 00-0427	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	57.54	
32 93 33 00-0428	EA	1 Gallon Myrica cerifera - Wax Myrtle	7.52	
32 93 33 00-0429	EA	4 Gallon Myrica cerifera - Wax Myrtle	24.06	
32 93 33 00-0430	EA	7 Gallon Myrica cerifera - Wax Myrtle	52.64	
32 93 33 00-0431	EA	10 Gallon Myrica cerifera - Wax Myrtle	78.21	
32 93 33 00-0432	EA	15 Gallon Myrica cerifera - Wax Myrtle	120.32	
32 93 33 00-0433	EA	45 Gallon Myrica cerifera - Wax Myrtle	360.96	
32 93 33 00-0434	EA	1' - 2' Myrica cerifera - Wax Myrtle	10.53	
32 93 33 00-0435	EA	3' - 4' Myrica cerifera - Wax Myrtle	36.10	
32 93 33 00-0436	EA	5' - 6' Myrica cerifera - Wax Myrtle	66.18	
32 93 33 00-0437	EA	7' - 8' Myrica cerifera - Wax Myrtle	90.24	
32 93 33 00-0438	EA	9' - 10' Myrica cerifera - Wax Myrtle	120.32	
32 93 33 00-0439	EA	11' - 12' Myrica cerifera - Wax Myrtle	183.49	
32 93 33 00-0440	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	39.23	
32 93 33 00-0441	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	64.08	
32 93 33 00-0442	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	94.16	
32 93 33 00-0443	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	112.47	
32 93 33 00-0444	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	117.70	
32 93 33 00-0445	EA	1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	9.61	
32 93 33 00-0446	EA	5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	23.78	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0447	EA	15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	94.38
32 93 33 00-0448	EA	1 Gallon Nandina domestica - Heavenly Bamboo	13.49
32 93 33 00-0449	EA	2 Gallon Nandina domestica - Heavenly Bamboo	29.51
32 93 33 00-0450	EA	5 Gallon Nandina domestica - Heavenly Bamboo	44.68
32 93 33 00-0451	EA	15 Gallon Nerium oleander - Oleander	103.27
32 93 33 00-0452	EA	24" Box Nerium oleander - Oleander	371.12
32 93 33 00-0453	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	8.29
32 93 33 00-0454	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	22.48
32 93 33 00-0455	EA	1 Gallon Philadelphus - Evergreen Mockorange	11.52
32 93 33 00-0456	EA	5 Gallon Philadelphus - Evergreen Mockorange	37.37
32 93 33 00-0457	EA	36" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	39.23
32 93 33 00-0458	EA	42" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	45.77
32 93 33 00-0459	EA	48" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	52.31
32 93 33 00-0460	EA	1 Gallon Photinia fraseri - Red-Tipped Photinia	9.61
32 93 33 00-0461	EA	5 Gallon Photinia fraseri - Red-Tipped Photinia	23.78
32 93 33 00-0462	EA	15 Gallon Photinia fraseri - Red-Tipped Photinia	94.38
32 93 33 00-0463	EA	1 Gallon Phormium tenax - New Zealand Flax	10.13
32 93 33 00-0464	EA	5 Gallon Phormium tenax - New Zealand Flax	24.29
32 93 33 00-0465	EA	15 Gallon Phormium tenax - New Zealand Flax	103.27
32 93 33 00-0466	EA	24" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	39.23
32 93 33 00-0467	EA	30" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	45.77
32 93 33 00-0468	EA	36" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	52.31
32 93 33 00-0469	EA	42" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	65.39
32 93 33 00-0470	EA	48" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	78.47
32 93 33 00-0471	EA	12" To 15" Spread Pieris - Mountain Andromeda	36.11
32 93 33 00-0472	EA	15" To 18" Spread Pieris - Mountain Andromeda	77.41
32 93 33 00-0473	EA	12" To 15" Pieris japonica - Japanese Andromeda	46.93
32 93 33 00-0474	EA	15" To 18" Pieris japonica - Japanese Andromeda	53.67
32 93 33 00-0475	EA	18" To 24" Pieris japonica - Japanese Andromeda	67.16
32 93 33 00-0476	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	95.40
32 93 33 00-0477	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	113.24
32 93 33 00-0478	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	40.74
32 93 33 00-0479	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	52.15
32 93 33 00-0480	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	62.74
32 93 33 00-0481	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	80.67
32 93 33 00-0482	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	96.96
32 93 33 00-0483	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	141.78
32 93 33 00-0484	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	88.00
32 93 33 00-0485	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	105.93
32 93 33 00-0486	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	140.96
32 93 33 00-0487	EA	1 Gallon Pittosporum - Pittosporum	4.96
32 93 33 00-0488	EA	3 Gallon Pittosporum - Pittosporum	12.78
32 93 33 00-0489	EA	1 Gallon Pittosporum - Varigated Pittosporum	4.96
32 93 33 00-0490	EA	3 Gallon Pittosporum - Varigated Pittosporum	12.78
32 93 33 00-0491	EA	5 Gallon Pittosporum - Varigated Pittosporum	22.41
32 93 33 00-0492	EA	1 Gallon Pittosporum eugenioides - Lemonwood	11.04
32 93 33 00-0493	EA	5 Gallon Pittosporum eugenioides - Lemonwood	26.15
32 93 33 00-0494	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	9.61
32 93 33 00-0495	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	23.78
32 93 33 00-0496	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum	94.38
32 93 33 00-0497	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	22.23
32 93 33 00-0498	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	31.39
32 93 33 00-0499	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	23.54
32 93 33 00-0500	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	26.16
32 93 33 00-0501	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	37.93
32 93 33 00-0502	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	43.81
32 93 33 00-0503	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	5.60
32 93 33 00-0504	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	14.01
32 93 33 00-0505	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	83.51
32 93 33 00-0506	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	21.36
32 93 33 00-0507	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	26.44
32 93 33 00-0508	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	34.40
32 93 33 00-0509	EA	15" To 18" Prunus triloba - Double White Flowering Almond	19.08
32 93 33 00-0510	EA	18" To 24" Prunus triloba - Double White Flowering Almond	24.42
32 93 33 00-0511	EA	3' To 4' Prunus triloba - Double White Flowering Almond	38.95
32 93 33 00-0512	EA	4' To 6' Prunus triloba - Double White Flowering Almond	77.99
32 93 33 00-0513	EA	5 Gallon Prunus triloba - Pink Flowering Almond	23.46
32 93 33 00-0514	EA	18" To 24" Prunus triloba - Pink Flowering Almond	26.35
32 93 33 00-0515	EA	2' To 3' Prunus triloba - Pink Flowering Almond	30.64
32 93 33 00-0516	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	20.83
32 93 33 00-0517	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	25.56
32 93 33 00-0518	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	30.64
32 93 33 00-0519	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	35.10
32 93 33 00-0520	EA	1 Gallon Punica granatum - Dwarf Pomegranate	8.85
32 93 33 00-0521	EA	3 Gallon Punica granatum - Dwarf Pomegranate	26.13
32 93 33 00-0522	EA	7 Gallon Punica granatum - Dwarf Pomegranate	53.67
32 93 33 00-0523	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	11.24
32 93 33 00-0524	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	37.37
32 93 33 00-0525	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	77.41
32 93 33 00-0526	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	8.99
32 93 33 00-0527	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	17.14
32 93 33 00-0528	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	30.49
32 93 33 00-0529	EA	1 Gallon Rhamnus californica - Coffeeberry	13.67
32 93 33 00-0530	EA	5 Gallon Rhamnus californica - Coffeeberry	39.08
32 93 33 00-0531	EA	15 Gallon Rhamnus californica - Coffeeberry	117.29

MINOR			TOTAL DIRECT		DEMOLITION	
CSI UOM DESCRIPTION			UNIT COST		UNIT COST	
32 93 33 00-0532	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge		68.56		
32 93 33 00-0533	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge		93.99		
32 93 33 00-0534	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge		122.23		
32 93 33 00-0535	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge		223.53		
32 93 33 00-0536	EA	1 Gallon Rhamphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn		10.23		
32 93 33 00-0537	EA	5 Gallon Rhamphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn		24.29		
32 93 33 00-0538	EA	15 Gallon Rhamphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn		103.27		
32 93 33 00-0539	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids		14.61		
32 93 33 00-0540	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids		29.50		
32 93 33 00-0541	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids		38.50		
32 93 33 00-0542	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids		44.68		
32 93 33 00-0543	EA	15' To 18" Rhododendron - Azalea Evergreen Hybrids		52.26		
32 93 33 00-0544	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids		65.61		
32 93 33 00-0545	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids		95.40		
32 93 33 00-0546	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids		134.03		
32 93 33 00-0547	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids		16.44		
32 93 33 00-0548	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids		29.50		
32 93 33 00-0549	EA	15' To 18" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids		50.72		
32 93 33 00-0550	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids		65.61		
32 93 33 00-0551	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids		95.40		
32 93 33 00-0552	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids		140.08		
32 93 33 00-0553	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids		187.70		
32 93 33 00-0554	EA	5 Gallon Rhododendron - Boxleaf Azara		37.37		
32 93 33 00-0555	EA	15 Gallon Rhododendron - Boxleaf Azara		134.03		
32 93 33 00-0556	EA	15" To 18" Rhododendron - Carolina Rhododendron		42.29		
32 93 33 00-0557	EA	18" To 24" Rhododendron - Carolina Rhododendron		74.46		
32 93 33 00-0558	EA	24" To 30" Rhododendron - Carolina Rhododendron		110.29		
32 93 33 00-0559	EA	2' To 3' Rhododendron - Five-leafed Azalea		50.16		
32 93 33 00-0560	EA	3' To 4' Rhododendron - Five-leafed Azalea		65.61		
32 93 33 00-0561	EA	4' To 5' Rhododendron - Five-leafed Azalea		86.41		
32 93 33 00-0562	EA	15" To 18" Rhododendron - Ghent Azalea		50.16		
32 93 33 00-0563	EA	18" To 24" Rhododendron - Ghent Azalea		62.52		
32 93 33 00-0564	EA	2' To 3' Rhododendron - Ghent Azalea		101.30		
32 93 33 00-0565	EA	3' To 4' Rhododendron - Ghent Azalea		140.08		
32 93 33 00-0566	EA	4' To 5' Rhododendron - Ghent Azalea		187.70		
32 93 33 00-0567	EA	5' To 6' Rhododendron - Ghent Azalea		250.37		
32 93 33 00-0568	EA	1 Gallon Rhododendron - Hybrid Rhododendron		16.44		
32 93 33 00-0569	EA	2 Gallon Rhododendron - Hybrid Rhododendron		35.55		
32 93 33 00-0570	EA	3 Gallon Rhododendron - Hybrid Rhododendron		50.44		
32 93 33 00-0571	EA	5 Gallon Rhododendron - Hybrid Rhododendron		56.34		
32 93 33 00-0572	EA	15" To 18" Rhododendron - Hybrid Rhododendron		47.63		
32 93 33 00-0573	EA	18" To 24" Rhododendron - Hybrid Rhododendron		65.61		
32 93 33 00-0574	EA	24" To 30" Rhododendron - Hybrid Rhododendron		89.36		
32 93 33 00-0575	EA	30" To 36" Rhododendron - Hybrid Rhododendron		104.25		
32 93 33 00-0576	EA	36" To 42" Rhododendron - Hybrid Rhododendron		149.07		
32 93 33 00-0577	EA	42" To 48" Rhododendron - Hybrid Rhododendron		184.75		
32 93 33 00-0578	EA	15" To 18" Rhododendron - Pjm Rhododendron		53.67		
32 93 33 00-0579	EA	18" To 24" Rhododendron - Pjm Rhododendron		65.61		
32 93 33 00-0580	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron		95.40		
32 93 33 00-0581	EA	2-1/2' To 3' Rhododendron - Pjm Rhododendron		122.23		
32 93 33 00-0582	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron		149.07		
32 93 33 00-0583	EA	12" To 15" Rhododendron - Torch Azalea		41.73		
32 93 33 00-0584	EA	15" To 18" Rhododendron - Torch Azalea		50.16		
32 93 33 00-0585	EA	18" To 24" Rhododendron - Torch Azalea		62.52		
32 93 33 00-0586	EA	2' To 3' Rhododendron - Torch Azalea		104.25		
32 93 33 00-0587	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron		47.08		
32 93 33 00-0588	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron		57.54		
32 93 33 00-0589	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron		70.62		
32 93 33 00-0590	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron		88.93		
32 93 33 00-0591	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron		104.63		
32 93 33 00-0592	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron		125.55		
32 93 33 00-0593	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac		13.49		
32 93 33 00-0594	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac		37.37		
32 93 33 00-0595	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac		31.39		
32 93 33 00-0596	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac		43.16		
32 93 33 00-0597	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac		49.70		
32 93 33 00-0598	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac		65.39		
32 93 33 00-0599	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac		39.23		
32 93 33 00-0600	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac		65.39		
32 93 33 00-0601	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac		104.63		
32 93 33 00-0602	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant		35.31		
32 93 33 00-0603	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant		40.54		
32 93 33 00-0604	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant		58.85		
32 93 33 00-0605	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant		78.47		
32 93 33 00-0606	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose		21.58		
32 93 33 00-0607	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose		26.16		
32 93 33 00-0608	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose		32.70		
32 93 33 00-0609	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose		23.54		
32 93 33 00-0610	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose		30.08		
32 93 33 00-0611	EA	5 Gallon Sambucus canadensis - American Elder		43.16		
32 93 33 00-0612	EA	1 Gallon Santolina chamaecyparissus - Lavender Cotton		9.61		
32 93 33 00-0613	EA	5 Gallon Santolina chamaecyparissus - Lavender Cotton		23.78		
32 93 33 00-0614	EA	1 Gallon Santolina rosmarinifolia - Green Lavender Cotton		9.61		
32 93 33 00-0615	EA	5 Gallon Santolina rosmarinifolia - Green Lavender Cotton		23.78		
32 93 33 00-0616	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca		19.39		

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0617	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	28.38
32 93 33 00-0618	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	10.54
32 93 33 00-0619	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	27.54
32 93 33 00-0620	EA	5 Gallon Senna artemisioides - Feathery Cassia	25.73
32 93 33 00-0621	EA	15 Gallon Senna artemisioides - Feathery Cassia	102.38
32 93 33 00-0622	EA	24" Box Senna artemisioides - Feathery Cassia	321.60
32 93 33 00-0623	EA	1 Gallon Skimmia japonica - Japanese Skimmia	13.49
32 93 33 00-0624	EA	2 Gallon Skimmia japonica - Japanese Skimmia	26.83
32 93 33 00-0625	EA	5 Gallon Skimmia japonica - Japanese Skimmia	43.27
32 93 33 00-0626	EA	1 Gallon Sollya fusiformis - Bluebell Creeper	9.61
32 93 33 00-0627	EA	5 Gallon Sollya fusiformis - Bluebell Creeper	23.78
32 93 33 00-0628	EA	3' To 4' Spiraea - Garland Spirea	62.52
32 93 33 00-0629	EA	4' To 5' Spiraea - Garland Spirea	95.40
32 93 33 00-0630	EA	5 Gallon Spiraea - Snowmound Spirea	37.37
32 93 33 00-0631	EA	18" To 24" Spiraea - Snowmound Spirea	30.63
32 93 33 00-0632	EA	2' To 3' Spiraea - Snowmound Spirea	43.27
32 93 33 00-0633	EA	3' To 4' Spiraea - Snowmound Spirea	50.16
32 93 33 00-0634	EA	4' To 5' Spiraea - Snowmound Spirea	86.40
32 93 33 00-0635	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	13.49
32 93 33 00-0636	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	26.55
32 93 33 00-0637	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	30.73
32 93 33 00-0638	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	33.35
32 93 33 00-0639	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	34.00
32 93 33 00-0640	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	39.23
32 93 33 00-0641	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	44.47
32 93 33 00-0642	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	51.66
32 93 33 00-0643	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	20.93
32 93 33 00-0644	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	31.39
32 93 33 00-0645	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	28.77
32 93 33 00-0646	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	34.00
32 93 33 00-0647	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	39.23
32 93 33 00-0648	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	44.47
32 93 33 00-0649	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	57.54
32 93 33 00-0650	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	13.49
32 93 33 00-0651	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	24.19
32 93 33 00-0652	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	31.39
32 93 33 00-0653	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	27.46
32 93 33 00-0654	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	33.35
32 93 33 00-0655	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	39.23
32 93 33 00-0656	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	44.47
32 93 33 00-0657	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	31.39
32 93 33 00-0658	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	31.39
32 93 33 00-0659	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	36.62
32 93 33 00-0660	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	49.70
32 93 33 00-0661	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	57.54
32 93 33 00-0662	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	68.01
32 93 33 00-0663	EA	5 Gallon Staphylea trifolia - Bladdernut	44.15
32 93 33 00-0664	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	31.39
32 93 33 00-0665	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	34.00
32 93 33 00-0666	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	39.23
32 93 33 00-0667	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	47.08
32 93 33 00-0668	EA	2 Gallon Symphoricarpos albus - Common Snowberry	32.70
32 93 33 00-0669	EA	5 Gallon Symphoricarpos albus - Common Snowberry	34.66
32 93 33 00-0670	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	57.54
32 93 33 00-0671	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	71.93
32 93 33 00-0672	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	83.70
32 93 33 00-0673	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	96.78
32 93 33 00-0674	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	57.54
32 93 33 00-0675	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	62.78
32 93 33 00-0676	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	71.93
32 93 33 00-0677	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	83.70
32 93 33 00-0678	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	96.78
32 93 33 00-0679	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	45.77
32 93 33 00-0680	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	49.70
32 93 33 00-0681	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	39.23
32 93 33 00-0682	EA	42" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	44.47
32 93 33 00-0683	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	49.70
32 93 33 00-0684	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	57.54
32 93 33 00-0685	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	70.62
32 93 33 00-0686	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	32.70
32 93 33 00-0687	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	37.93
32 93 33 00-0688	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	49.70
32 93 33 00-0689	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	207.94
32 93 33 00-0690	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	232.79
32 93 33 00-0691	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	256.33
32 93 33 00-0692	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	308.65
32 93 33 00-0693	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	54.93
32 93 33 00-0694	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	71.93
32 93 33 00-0695	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	83.70
32 93 33 00-0696	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	91.55
32 93 33 00-0697	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	54.93
32 93 33 00-0698	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	71.93
32 93 33 00-0699	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	85.01
32 93 33 00-0700	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	100.70
32 93 33 00-0701	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	151.71

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0702	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	83.70	
32 93 33 00-0703	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	112.47	
32 93 33 00-0704	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	170.02	
32 93 33 00-0705	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	248.49	
32 93 33 00-0706	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	285.11	
32 93 33 00-0707	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	330.88	
32 93 33 00-0708	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	36.62	
32 93 33 00-0709	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	51.01	
32 93 33 00-0710	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	71.93	
32 93 33 00-0711	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	62.52	
32 93 33 00-0712	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	95.40	
32 93 33 00-0713	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	125.18	
32 93 33 00-0714	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	7.59	
32 93 33 00-0715	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	20.79	
32 93 33 00-0716	EA	5 Gallon Viburnum plicatum - Japanese Snowball	37.37	
32 93 33 00-0717	EA	5' To 6' Viburnum plicatum - Japanese Snowball	140.08	
32 93 33 00-0718	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	65.61	
32 93 33 00-0719	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	77.41	
32 93 33 00-0720	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	108.89	
32 93 33 00-0721	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	71.93	
32 93 33 00-0722	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	86.32	
32 93 33 00-0723	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	65.39	
32 93 33 00-0724	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	78.47	
32 93 33 00-0725	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	91.55	
32 93 33 00-0726	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	104.63	
32 93 33 00-0727	EA	1 Gallon Viburnum davidii - David Viburnum	9.61	
32 93 33 00-0728	EA	5 Gallon Viburnum davidii - David Viburnum	23.78	
32 93 33 00-0729	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	36.62	
32 93 33 00-0730	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	39.23	
32 93 33 00-0731	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	45.77	
32 93 33 00-0732	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	52.31	
32 93 33 00-0733	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	57.54	
32 93 33 00-0734	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	35.31	
32 93 33 00-0735	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	39.23	
32 93 33 00-0736	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	49.70	
32 93 33 00-0737	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	57.54	
32 93 33 00-0738	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	78.47	
32 93 33 00-0739	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	94.16	
32 93 33 00-0740	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	39.23	
32 93 33 00-0741	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	52.31	
32 93 33 00-0742	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	65.39	
32 93 33 00-0743	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	91.55	
32 93 33 00-0744	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	130.78	
32 93 33 00-0745	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	183.10	
32 93 33 00-0746	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	235.41	
32 93 33 00-0747	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	47.08	
32 93 33 00-0748	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	52.31	
32 93 33 00-0749	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	94.16	
32 93 33 00-0750	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	143.86	
32 93 33 00-0751	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	183.10	
32 93 33 00-0752	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	222.33	
32 93 33 00-0753	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	274.64	
32 93 33 00-0754	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	326.96	
32 93 33 00-0755	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	392.35	
32 93 33 00-0756	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	457.74	
32 93 33 00-0757	EA	30" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	39.89	
32 93 33 00-0758	EA	36" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	43.81	
32 93 33 00-0759	EA	48" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	49.70	
32 93 33 00-0760	EA	60" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	57.54	
32 93 33 00-0761	EA	72" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	66.05	
32 93 33 00-0762	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	37.93	
32 93 33 00-0763	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	45.77	
32 93 33 00-0764	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	54.93	
32 93 33 00-0765	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	62.78	
32 93 33 00-0766	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	75.85	
32 93 33 00-0767	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	83.70	
32 93 33 00-0768	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	65.39	
32 93 33 00-0769	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	78.47	
32 93 33 00-0770	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	91.55	
32 93 33 00-0771	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	104.63	
32 93 33 00-0772	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	117.70	
32 93 33 00-0773	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	83.70	
32 93 33 00-0774	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	94.16	
32 93 33 00-0775	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	107.24	
32 93 33 00-0776	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	122.94	
32 93 33 00-0777	EA	2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball	77.41	
32 93 33 00-0778	EA	3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball	95.40	
32 93 33 00-0779	EA	4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball	140.08	
32 93 33 00-0780	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	43.16	
32 93 33 00-0781	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	39.23	
32 93 33 00-0782	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	44.47	
32 93 33 00-0783	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	49.70	
32 93 33 00-0784	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	57.54	
32 93 33 00-0785	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	65.39	
32 93 33 00-0786	EA	1 Gallon Xylosma congestum - Shiny Xylosma	8.99	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0787	EA	5 Gallon Xylosma congestum - Shiny Xylosma	25.43
32 93 33 00-0788	EA	15 Gallon Xylosma congestum - Shiny Xylosma	111.83
32 93 33 00-0789	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	7.59
32 93 33 00-0790	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	20.09
32 93 33 00-0791	EA	1 Gallon Yucca filamentosa - Adams Needle.....	10.54
32 93 33 00-0792	EA	3 Gallon Yucca filamentosa - Adams Needle.....	20.51
32 93 33 00-0793	EA	5 Gallon Yucca filamentosa - Adams Needle.....	32.46
32 93 33 00-0794	EA	5 Gallon Border Forsythia - Goldenbells.....	36.11
32 93 33 00-0795	EA	2' To 3' Border Forsythia - Goldenbells.....	29.79
32 93 33 00-0796	EA	3' To 4' Border Forsythia - Goldenbells.....	37.65
32 93 33 00-0797	EA	4' To 5' Border Forsythia - Goldenbells.....	46.93
32 93 33 00-0798	EA	5' To 6' Border Forsythia - Goldenbells.....	56.34
32 93 33 00-0799	EA	6' To 8' Border Forsythia - Goldenbells.....	77.41
32 93 33 00-0800	EA	3' Juniperus chinensis - Columnar Chinese Juniper.....	76.70
32 93 33 00-0801	EA	4' Juniperus chinensis - Columnar Chinese Juniper.....	105.28
32 93 33 00-0802	EA	5' Juniperus chinensis - Columnar Chinese Juniper.....	165.44
32 93 33 00-0803	EA	6' Juniperus chinensis - Columnar Chinese Juniper.....	192.51
32 93 33 00-0804	EA	7' Juniperus chinensis - Columnar Chinese Juniper.....	252.67
32 93 33 00-0805	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	15.04
32 93 33 00-0806	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	21.06
32 93 33 00-0807	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	50.99
32 93 33 00-0808	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	15.04
32 93 33 00-0809	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	21.06

32 93 43 Trees (32 93)

Note: (cvs = cultivar or cultivated varieties) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001**Deciduous Ornamental Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	287.06
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	350.85
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	398.70
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	462.49
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	526.28
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	621.97
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	285.63
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,020.66
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,275.83
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	255.17
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye	637.91
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye	829.29
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye	956.87
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye	1,084.45
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye	1,275.83
32 93 43 00-0017	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	104.63
32 93 43 00-0018	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	130.78
32 93 43 00-0019	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	162.17
32 93 43 00-0020	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	130.78
32 93 43 00-0021	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	156.94
32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	183.10
32 93 43 00-0023	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	209.25
32 93 43 00-0024	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	235.41
32 93 43 00-0025	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	261.57
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	300.80
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	340.03
32 93 43 00-0028	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	392.35
32 93 43 00-0029	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	318.96
32 93 43 00-0030	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	446.54
32 93 43 00-0031	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	478.43
32 93 43 00-0032	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	558.17
32 93 43 00-0033	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	398.70
32 93 43 00-0034	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	478.43
32 93 43 00-0035	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	558.17
32 93 43 00-0036	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	637.91
32 93 43 00-0037	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	717.65
32 93 43 00-0038	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	797.39
32 93 43 00-0039	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	300.80
32 93 43 00-0040	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	353.11
32 93 43 00-0041	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	405.43
32 93 43 00-0042	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	444.66
32 93 43 00-0043	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	104.63
32 93 43 00-0044	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	222.33
32 93 43 00-0045	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	287.72
32 93 43 00-0046	EA	2' To 4' Amelanchier - Juneberry	31.85
32 93 43 00-0047	EA	4' To 5' Amelanchier - Juneberry	33.41
32 93 43 00-0048	EA	5' To 6' Amelanchier - Juneberry	39.78
32 93 43 00-0049	EA	6' To 8' Amelanchier - Juneberry	47.46
32 93 43 00-0050	EA	3' Clump Form Asimina triloba - Paw-Paw	223.27
32 93 43 00-0051	EA	4' Clump Form Asimina triloba - Paw-Paw	255.17
32 93 43 00-0052	EA	5' Clump Form Asimina triloba - Paw-Paw	350.85
32 93 43 00-0053	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	478.43
32 93 43 00-0054	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	558.17
32 93 43 00-0055	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	717.65

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
32 93 43 00-0056	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	287.06	
32 93 43 00-0057	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	350.85	
32 93 43 00-0058	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	478.43	
32 93 43 00-0059	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	558.17	
32 93 43 00-0060	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	669.81	
32 93 43 00-0061	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	813.34	
32 93 43 00-0062	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	924.97	
32 93 43 00-0063	EA	6' Cercis - American Redbud	178.63	
32 93 43 00-0064	EA	8' Cercis - American Redbud	245.76	
32 93 43 00-0065	EA	2-1/2" Caliper Cercis - American Redbud	506.18	
32 93 43 00-0066	EA	3" Caliper Cercis - American Redbud	616.22	
32 93 43 00-0067	EA	15 Gallon Cercis canadensis & cvs - Eastern Redbud	155.91	
32 93 43 00-0068	EA	20 Gallon Cercis canadensis & cvs - Eastern Redbud	194.89	
32 93 43 00-0069	EA	6' Clump Form Cercis canadensis & cvs - Eastern Redbud	382.75	
32 93 43 00-0070	EA	7' Clump Form Cercis canadensis & cvs - Eastern Redbud	526.28	
32 93 43 00-0071	EA	8' Clump Form Cercis canadensis & cvs - Eastern Redbud	669.81	
32 93 43 00-0072	EA	1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	366.80	
32 93 43 00-0073	EA	2" Caliper Cercis canadensis & cvs - Eastern Redbud	430.59	
32 93 43 00-0074	EA	5' To 6' Chaenomeles - Orange Quince	100.75	
32 93 43 00-0075	EA	6' To 8' Chaenomeles - Orange Quince	125.93	
32 93 43 00-0076	EA	5' Clump Form Chionanthus virginicus - White Fringetree	318.96	
32 93 43 00-0077	EA	6' Clump Form Chionanthus virginicus - White Fringetree	398.70	
32 93 43 00-0078	EA	7' Clump Form Chionanthus virginicus - White Fringetree	510.33	
32 93 43 00-0079	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	115.14	
32 93 43 00-0080	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	143.92	
32 93 43 00-0081	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	201.49	
32 93 43 00-0082	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	259.05	
32 93 43 00-0083	EA	4' To 5' Cornus - White Flowering Dogwood	76.76	
32 93 43 00-0084	EA	5' To 6' Cornus - White Flowering Dogwood	115.14	
32 93 43 00-0085	EA	6' To 7' Cornus - White Flowering Dogwood	161.19	
32 93 43 00-0086	EA	3' To 4' Cornus kousa - Japanese Dogwood	76.76	
32 93 43 00-0087	EA	4' To 5' Cornus kousa - Japanese Dogwood	88.27	
32 93 43 00-0088	EA	5' To 6' Cornus kousa - Japanese Dogwood	115.14	
32 93 43 00-0089	EA	6' To 8' Cornus kousa - Japanese Dogwood	168.87	
32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood	230.27	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	366.80	
32 93 43 00-0092	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	446.54	
32 93 43 00-0093	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	175.43	
32 93 43 00-0094	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	223.27	
32 93 43 00-0095	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	255.17	
32 93 43 00-0096	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	287.06	
32 93 43 00-0097	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	350.85	
32 93 43 00-0098	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	175.43	
32 93 43 00-0099	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	223.27	
32 93 43 00-0100	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	271.11	
32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	318.96	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	446.54	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	398.70	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	478.43	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	558.17	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	318.96	
32 93 43 00-0107	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	398.70	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	494.38	
32 93 43 00-0109	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	558.17	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	637.91	
32 93 43 00-0111	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	717.65	
32 93 43 00-0112	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	318.96	
32 93 43 00-0113	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	382.75	
32 93 43 00-0114	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	446.54	
32 93 43 00-0115	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	558.17	
32 93 43 00-0116	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	717.65	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	255.17	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	287.06	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	318.96	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	366.80	
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	478.43	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	542.23	
32 93 43 00-0123	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	223.27	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	271.11	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	318.96	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	398.70	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	494.38	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	590.07	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	685.76	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	255.17	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	287.06	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	398.70	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	526.28	
32 93 43 00-0134	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	239.22	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	318.96	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	398.70	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	478.43	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	159.48	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	207.32	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	255.17	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	350.85	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	478.43	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	9.17	
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	29.34	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	50.44	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	96.28	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	128.38	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	165.06	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	60.45	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	90.67	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	113.34	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	141.16	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	239.22	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	318.96	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	414.64	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	462.49	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	621.97	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	558.17	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	239.22	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	318.96	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	414.64	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	462.49	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	558.17	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	621.97	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	239.22	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	318.96	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	414.64	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	462.49	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	558.17	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	621.97	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	239.22	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	318.96	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	414.64	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	462.49	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	558.17	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	621.97	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	239.22	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	318.96	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	414.64	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	462.49	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	558.17	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	621.97	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	64.76	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	165.15	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	194.29	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	191.37	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	255.17	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	318.96	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	382.75	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	446.54	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	510.33	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	287.06	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	318.96	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	398.70	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	446.54	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	574.12	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	318.96	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	398.70	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	239.22	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	303.01	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	366.80	
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	414.64	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	462.49	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	510.33	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	146.32	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	182.90	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	219.48	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	256.06	
32 93 43 00-0209	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	6.82	
32 93 43 00-0210	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	28.89	
32 93 43 00-0211	EA	20 Gallon Prunus subhirtella - Flowering Cherry	394.55	
32 93 43 00-0212	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	407.84	
32 93 43 00-0213	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	509.75	
32 93 43 00-0214	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,063.80	
32 93 43 00-0215	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	819.90	
32 93 43 00-0216	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,595.70	
32 93 43 00-0217	EA	4' To 6' Prunus - Pigeon Plum	161.32	
32 93 43 00-0218	EA	8' To 10' Prunus - Pigeon Plum	548.49	
32 93 43 00-0219	EA	10' To 12' Prunus - Pigeon Plum	696.90	
32 93 43 00-0220	EA	14' To 16' Prunus - Pigeon Plum	1,096.98	
32 93 43 00-0221	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	101.91	
32 93 43 00-0222	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	279.14	
32 93 43 00-0223	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	363.53	
32 93 43 00-0224	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	115.20	
32 93 43 00-0225	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	221.54	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
32 93 43 00-0226	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	407.84		
32 93 43 00-0227	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	487.59		
32 93 43 00-0228	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	319.23		
32 93 43 00-0229	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	265.84		
32 93 43 00-0230	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	389.90		
32 93 43 00-0231	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	465.44		
32 93 43 00-0232	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	598.36		
32 93 43 00-0233	EA	6" To 8" Prunus yedoensis - Yoshino Cherry	230.61		
32 93 43 00-0234	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	354.67		
32 93 43 00-0235	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	434.21		
32 93 43 00-0236	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	554.05		
32 93 43 00-0237	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	308.04		
32 93 43 00-0238	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	385.05		
32 93 43 00-0239	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	400.45		
32 93 43 00-0240	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	477.46		
32 93 43 00-0241	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	646.89		
32 93 43 00-0242	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	847.12		
32 93 43 00-0243	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	1,078.14		
32 93 43 00-0244	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	308.04		
32 93 43 00-0245	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	385.05		
32 93 43 00-0246	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	261.84		
32 93 43 00-0247	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	400.45		
32 93 43 00-0248	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	477.05		
32 93 43 00-0249	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	646.89		
32 93 43 00-0250	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	847.12		
32 93 43 00-0251	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	561.11		
32 93 43 00-0252	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	701.39		
32 93 43 00-0253	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	869.73		
32 93 43 00-0254	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	981.95		
32 93 43 00-0255	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	1,094.17		
32 93 43 00-0256	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	1,402.78		
32 93 43 00-0257	EA	1 Gallon Ribes aureum - Golden Currant	5.97		
32 93 43 00-0258	EA	5 Gallon Ribes aureum - Golden Currant	17.07		
32 93 43 00-0259	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	5.97		
32 93 43 00-0260	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	17.07		
32 93 43 00-0261	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	5.97		
32 93 43 00-0262	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	17.07		
32 93 43 00-0263	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	426.43		
32 93 43 00-0264	EA	2" Caliper Sophora japonica - Japanese Pagoda	479.73		
32 93 43 00-0265	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	559.69		
32 93 43 00-0266	EA	3" Caliper Sophora japonica - Japanese Pagoda	818.59		
32 93 43 00-0267	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,237.40		
32 93 43 00-0268	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	318.96		
32 93 43 00-0269	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	398.70		
32 93 43 00-0270	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	494.38		
32 93 43 00-0271	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	606.02		
32 93 43 00-0272	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	733.60		
32 93 43 00-0273	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	877.13		
32 93 43 00-0274	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	414.64		
32 93 43 00-0275	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	446.54		
32 93 43 00-0276	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	542.23		
32 93 43 00-0277	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	255.17		
32 93 43 00-0278	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	303.01		
32 93 43 00-0279	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	350.85		
32 93 43 00-0280	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	398.70		
32 93 43 00-0281	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	462.49		
32 93 43 00-0282	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	590.07		
32 93 43 00-0283	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	669.81		
32 93 43 00-0284	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	765.50		
32 93 43 00-0285	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	45.48		
32 93 43 00-0286	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	119.92		
32 93 43 00-0287	EA	24" Box Celtis Sinensis - Chinese Hackberry	392.82		
32 93 43 00-0288	EA	36" Box Celtis Sinensis - Chinese Hackberry	1,147.46		
32 93 43 00-0289	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	45.48		
32 93 43 00-0290	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	119.92		
32 93 43 00-0291	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	392.82		
32 93 43 00-0292	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	1,147.46		
32 93 43 00-0293	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	13.44		
32 93 43 00-0294	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	37.22		
32 93 43 00-0295	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	163.33		
32 93 43 00-0296	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	392.82		
32 93 43 00-0297	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	1,033.75		
32 93 43 00-0298	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	101.31		
32 93 43 00-0299	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	330.80		
32 93 43 00-0300	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	878.69		
32 93 43 00-0301	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,964.12		
32 93 43 00-0302	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	28.94		
32 93 43 00-0303	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	101.31		
32 93 43 00-0304	EA	24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	330.80		
32 93 43 00-0305	EA	36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	878.69		
32 93 43 00-0306	EA	48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	1,964.12		
32 93 43 00-0307	EA	5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	28.94		
32 93 43 00-0308	EA	15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	121.98		
32 93 43 00-0309	EA	24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	330.80		
32 93 43 00-0310	EA	36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	930.38		

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0311	EA	48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum.....	2,377.62
32 93 43 00-0312	EA	5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	28.94
32 93 43 00-0313	EA	15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	121.98
32 93 43 00-0314	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	330.80
32 93 43 00-0315	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	930.38
32 93 43 00-0316	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum.....	2,377.62
32 93 43 00-0317	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	28.94
32 93 43 00-0318	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	121.98
32 93 43 00-0319	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	330.80
32 93 43 00-0320	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	930.38
32 93 43 00-0321	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum.....	2,377.62
32 93 43 00-0322	EA	1 Gallon Pittosporum undulatum - Victorian Box	25.22
32 93 43 00-0323	EA	5 Gallon Pittosporum undulatum - Victorian Box	54.31
32 93 43 00-0324	EA	15 Gallon Pittosporum undulatum - Victorian Box	306.47
32 93 43 00-0325	EA	24" Box Pittosporum undulatum - Victorian Box	737.09
32 93 43 00-0326	EA	36" Box Pittosporum undulatum - Victorian Box	2,133.67
32 93 43 00-0327	EA	48" Box Pittosporum undulatum - Victorian Box	4,849.25
32 93 43 00-0328	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	103.27
32 93 43 00-0329	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum.....	372.05

32 93 43 00-0330**Deciduous Shade Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0331	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	244.39
32 93 43 00-0332	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	299.57
32 93 43 00-0333	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	390.23
32 93 43 00-0334	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	505.85
32 93 43 00-0335	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	25.78
32 93 43 00-0336	EA	4' To 5' Acer palmatum - Japanese Maple	54.13
32 93 43 00-0337	EA	5' To 6' Acer palmatum - Japanese Maple	70.88
32 93 43 00-0338	EA	6' To 7' Acer palmatum - Japanese Maple	128.88
32 93 43 00-0339	EA	7' To 8' Acer palmatum - Japanese Maple	180.43
32 93 43 00-0340	EA	8' To 10' Acer palmatum - Japanese Maple	231.99
32 93 43 00-0341	EA	10' To 12' Acer palmatum - Japanese Maple	309.32
32 93 43 00-0342	EA	2" Caliper Acer platanoides & cvs - Norway Maple	131.39
32 93 43 00-0343	EA	2" Caliper Acer platanoides & cvs - Norway Maple	159.95
32 93 43 00-0344	EA	3" Caliper Acer platanoides & cvs - Norway Maple	205.65
32 93 43 00-0345	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	239.93
32 93 43 00-0346	EA	4" Caliper Acer platanoides & cvs - Norway Maple	257.07
32 93 43 00-0347	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	279.92
32 93 43 00-0348	EA	5" Caliper Acer platanoides & cvs - Norway Maple	314.19
32 93 43 00-0349	EA	2" Caliper Acer rubrum & cvs - Red Maple	125.68
32 93 43 00-0350	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	159.95
32 93 43 00-0351	EA	3" Caliper Acer rubrum & cvs - Red Maple	205.65
32 93 43 00-0352	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	251.35
32 93 43 00-0353	EA	4" Caliper Acer rubrum & cvs - Red Maple	285.63
32 93 43 00-0354	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	331.33
32 93 43 00-0355	EA	5" Caliper Acer rubrum & cvs - Red Maple	371.32
32 93 43 00-0356	EA	8' Clump Form Acer rubrum & cvs - Red Maple	154.24
32 93 43 00-0357	EA	10' Clump Form Acer rubrum & cvs - Red Maple	205.65
32 93 43 00-0358	EA	12' Clump Form Acer rubrum & cvs - Red Maple	239.93
32 93 43 00-0359	EA	14' Clump Form Acer rubrum & cvs - Red Maple	274.21
32 93 43 00-0360	EA	16' Clump Form Acer rubrum & cvs - Red Maple	308.48
32 93 43 00-0361	EA	18' Clump Form Acer rubrum & cvs - Red Maple	342.76
32 93 43 00-0362	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	102.83
32 93 43 00-0363	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	137.10
32 93 43 00-0364	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	171.38
32 93 43 00-0365	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	205.65
32 93 43 00-0366	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	239.93
32 93 43 00-0367	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	274.21
32 93 43 00-0368	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	308.48
32 93 43 00-0369	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	125.68
32 93 43 00-0370	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	165.67
32 93 43 00-0371	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	199.94
32 93 43 00-0372	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	228.50
32 93 43 00-0373	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	268.49
32 93 43 00-0374	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	308.48
32 93 43 00-0375	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	342.76
32 93 43 00-0376	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	228.50
32 93 43 00-0377	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	268.49
32 93 43 00-0378	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	314.19
32 93 43 00-0379	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	348.47
32 93 43 00-0380	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	422.73
32 93 43 00-0381	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	457.01
32 93 43 00-0382	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	142.82
32 93 43 00-0383	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	177.09
32 93 43 00-0384	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	217.08
32 93 43 00-0385	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	251.35
32 93 43 00-0386	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	274.21
32 93 43 00-0387	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	302.77
32 93 43 00-0388	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	337.04
32 93 43 00-0389	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	205.65
32 93 43 00-0390	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	271.92
32 93 43 00-0391	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	316.48
32 93 43 00-0392	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	348.47

MINOR		TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION		UNIT COST		UNIT COST
32 93 43 00-0393	EA 18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....		422.73	
32 93 43 00-0394	EA 20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple.....		457.01	
32 93 43 00-0395	EA 2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....		199.94	
32 93 43 00-0396	EA 2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....		222.79	
32 93 43 00-0397	EA 3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....		251.35	
32 93 43 00-0398	EA 3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....		285.63	
32 93 43 00-0399	EA 4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut.....		342.76	
32 93 43 00-0400	EA 2" Caliper Aesculus x carnea - Red Horsechestnut.....		199.94	
32 93 43 00-0401	EA 2-1/2" Caliper Aesculus x carnea - Red Horsechestnut.....		222.79	
32 93 43 00-0402	EA 3" Caliper Aesculus x carnea - Red Horsechestnut.....		251.35	
32 93 43 00-0403	EA 3-1/2" Caliper Aesculus x carnea - Red Horsechestnut.....		285.63	
32 93 43 00-0404	EA 4" Caliper Aesculus x carnea - Red Horsechestnut.....		342.76	
32 93 43 00-0405	EA 2" Caliper Alnus glutinosa - Common Alder, Black Alder.....		142.82	
32 93 43 00-0406	EA 2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....		165.67	
32 93 43 00-0407	EA 3" Caliper Alnus glutinosa - Common Alder, Black Alder.....		188.52	
32 93 43 00-0408	EA 3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder.....		217.08	
32 93 43 00-0409	EA 8' Clump Form Alnus glutinosa - Common Alder, Black Alder.....		148.53	
32 93 43 00-0410	EA 10' Clump Form Alnus glutinosa - Common Alder, Black Alder.....		182.80	
32 93 43 00-0411	EA 12' Clump Form Alnus glutinosa - Common Alder, Black Alder.....		205.65	
32 93 43 00-0412	EA 14' Clump Form Alnus glutinosa - Common Alder, Black Alder.....		228.50	
32 93 43 00-0413	EA 16' Clump Form Alnus glutinosa - Common Alder, Black Alder.....		257.07	
32 93 43 00-0414	EA 18' Clump Form Alnus glutinosa - Common Alder, Black Alder.....		285.63	
32 93 43 00-0415	EA 2" Caliper Betula nigra - River Birch.....		142.82	
32 93 43 00-0416	EA 2-1/2" Caliper Betula nigra - River Birch.....		161.72	
32 93 43 00-0417	EA 3" Caliper Betula nigra - River Birch.....		182.80	
32 93 43 00-0418	EA 3-1/2" Caliper Betula nigra - River Birch.....		228.50	
32 93 43 00-0419	EA 4" Caliper Betula nigra - River Birch.....		257.07	
32 93 43 00-0420	EA 4-1/2" Caliper Betula nigra - River Birch.....		285.63	
32 93 43 00-0421	EA 5" Caliper Betula nigra - River Birch.....		314.19	
32 93 43 00-0422	EA 8' Clump Form Betula nigra - River Birch.....		131.39	
32 93 43 00-0423	EA 10' Clump Form Betula nigra - River Birch.....		148.53	
32 93 43 00-0424	EA 12' Clump Form Betula nigra - River Birch.....		171.38	
32 93 43 00-0425	EA 14' Clump Form Betula nigra - River Birch.....		199.94	
32 93 43 00-0426	EA 16' Clump Form Betula nigra - River Birch.....		228.50	
32 93 43 00-0427	EA 12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....		171.38	
32 93 43 00-0428	EA 14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....		205.65	
32 93 43 00-0429	EA 16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....		239.93	
32 93 43 00-0430	EA 18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....		285.63	
32 93 43 00-0431	EA 20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch.....		297.06	
32 93 43 00-0432	EA 10' - 12' Bursera Simaruba - Gumbo Limbo.....		72.26	
32 93 43 00-0433	EA 12' - 14' Bursera Simaruba - Gumbo Limbo.....		85.40	
32 93 43 00-0434	EA 14' - 16' Bursera Simaruba - Gumbo Limbo.....		118.25	
32 93 43 00-0435	EA 17' - 18' Bursera Simaruba - Gumbo Limbo.....		153.73	
32 93 43 00-0436	EA 19' - 20' Bursera Simaruba - Gumbo Limbo.....		170.81	
32 93 43 00-0437	EA 21' - 22' Bursera Simaruba - Gumbo Limbo.....		202.34	
32 93 43 00-0438	EA 2" Caliper Carpinus betulus & cvs - European Hornbeam.....		228.50	
32 93 43 00-0439	EA 2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....		257.07	
32 93 43 00-0440	EA 3" Caliper Carpinus betulus & cvs - European Hornbeam.....		297.06	
32 93 43 00-0441	EA 3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam.....		359.89	
32 93 43 00-0442	EA 6' Clump Form Carpinus betulus & cvs - European Hornbeam.....		102.83	
32 93 43 00-0443	EA 7' Clump Form Carpinus betulus & cvs - European Hornbeam.....		142.82	
32 93 43 00-0444	EA 8' Clump Form Carpinus betulus & cvs - European Hornbeam.....		177.09	
32 93 43 00-0445	EA 2" Caliper Catalpa speciosa - Western Catalpa.....		125.68	
32 93 43 00-0446	EA 2-1/2" Caliper Catalpa speciosa - Western Catalpa.....		171.38	
32 93 43 00-0447	EA 3" Caliper Catalpa speciosa - Western Catalpa.....		222.79	
32 93 43 00-0448	EA 3-1/2" Caliper Catalpa speciosa - Western Catalpa.....		268.49	
32 93 43 00-0449	EA 4" Caliper Catalpa speciosa - Western Catalpa.....		308.48	
32 93 43 00-0450	EA 2" Caliper Celtis occidentalis & cvs - Common Hackberry.....		159.95	
32 93 43 00-0451	EA 2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....		182.80	
32 93 43 00-0452	EA 3" Caliper Celtis occidentalis & cvs - Common Hackberry.....		222.79	
32 93 43 00-0453	EA 3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....		262.78	
32 93 43 00-0454	EA 4" Caliper Celtis occidentalis & cvs - Common Hackberry.....		302.77	
32 93 43 00-0455	EA 4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry.....		342.76	
32 93 43 00-0456	EA 3" Caliper Cercidiphyllum japonicum - Katsuratree.....		199.94	
32 93 43 00-0457	EA 3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree.....		228.50	
32 93 43 00-0458	EA 4" Caliper Cercidiphyllum japonicum - Katsuratree.....		268.49	
32 93 43 00-0459	EA 5" Caliper Cercidiphyllum japonicum - Katsuratree.....		319.91	
32 93 43 00-0460	EA 6' Clump Form Cercidiphyllum japonicum - Katsuratree.....		159.95	
32 93 43 00-0461	EA 7' Clump Form Cercidiphyllum japonicum - Katsuratree.....		188.52	
32 93 43 00-0462	EA 8' Clump Form Cercidiphyllum japonicum - Katsuratree.....		228.50	
32 93 43 00-0463	EA 10' Clump Form Cercidiphyllum japonicum - Katsuratree.....		285.63	
32 93 43 00-0464	EA 12' Clump Form Cercidiphyllum japonicum - Katsuratree.....		342.76	
32 93 43 00-0465	EA 2" Caliper Cladrastus lutea - American Yellowwood.....		285.63	
32 93 43 00-0466	EA 2-1/2" Caliper Cladrastus lutea - American Yellowwood.....		342.76	
32 93 43 00-0467	EA 3" Caliper Cladrastus lutea - American Yellowwood.....		399.88	
32 93 43 00-0468	EA 3-1/2" Caliper Cladrastus lutea - American Yellowwood.....		457.01	
32 93 43 00-0469	EA 2" Caliper Corylus columna - Turkish Filbert.....		177.09	
32 93 43 00-0470	EA 2-1/2" Caliper Corylus columna - Turkish Filbert.....		199.94	
32 93 43 00-0471	EA 3" Caliper Corylus columna - Turkish Filbert.....		228.50	
32 93 43 00-0472	EA 3-1/2" Caliper Corylus columna - Turkish Filbert.....		262.78	
32 93 43 00-0473	EA 4" Caliper Corylus columna - Turkish Filbert.....		314.19	
32 93 43 00-0474	EA 4-1/2" Caliper Corylus columna - Turkish Filbert.....		365.61	
32 93 43 00-0475	EA 5" Caliper Corylus columna - Turkish Filbert.....		417.02	
32 93 43 00-0476	EA 8' Clump Form Corylus columna - Turkish Filbert.....		159.95	
32 93 43 00-0477	EA 10' Clump Form Corylus columna - Turkish Filbert.....		194.23	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0478	EA	12' Clump Form Corylus columna - Turkish Filbert.....	228.50
32 93 43 00-0479	EA	14' Clump Form Corylus columna - Turkish Filbert.....	257.07
32 93 43 00-0480	EA	16' Clump Form Corylus columna - Turkish Filbert.....	285.63
32 93 43 00-0481	EA	1-1/2" Caliper Diospyros - Persimmon.....	102.83
32 93 43 00-0482	EA	2" Caliper Diospyros - Persimmon.....	125.68
32 93 43 00-0483	EA	2-1/2" Caliper Diospyros - Persimmon.....	159.95
32 93 43 00-0484	EA	3" Caliper Diospyros - Persimmon.....	199.94
32 93 43 00-0485	EA	3-1/2" Caliper Diospyros - Persimmon.....	239.93
32 93 43 00-0486	EA	1-1/2" Caliper Fagus grandifolia - American Beech.....	228.50
32 93 43 00-0487	EA	2" Caliper Fagus grandifolia - American Beech.....	297.06
32 93 43 00-0488	EA	2-1/2" Caliper Fagus grandifolia - American Beech.....	377.03
32 93 43 00-0489	EA	3" Caliper Fagus grandifolia - American Beech.....	457.01
32 93 43 00-0490	EA	3-1/2" Caliper Fagus grandifolia - American Beech.....	542.70
32 93 43 00-0491	EA	2" Caliper Fagus sylvatica & cvs - European Beech.....	257.07
32 93 43 00-0492	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	308.48
32 93 43 00-0493	EA	3" Caliper Fagus sylvatica & cvs - European Beech.....	371.32
32 93 43 00-0494	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	411.31
32 93 43 00-0495	EA	4" Caliper Fagus sylvatica & cvs - European Beech.....	485.57
32 93 43 00-0496	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	628.39
32 93 43 00-0497	EA	5" Caliper Fagus sylvatica & cvs - European Beech.....	742.64
32 93 43 00-0498	EA	2" Caliper Fraxinus americana & cvs - White Ash.....	142.82
32 93 43 00-0499	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash.....	171.38
32 93 43 00-0500	EA	3" Caliper Fraxinus americana & cvs - White Ash.....	217.08
32 93 43 00-0501	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash.....	262.78
32 93 43 00-0502	EA	4" Caliper Fraxinus americana & cvs - White Ash.....	308.48
32 93 43 00-0503	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash.....	342.76
32 93 43 00-0504	EA	5" Caliper Fraxinus americana & cvs - White Ash.....	399.88
32 93 43 00-0505	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	125.68
32 93 43 00-0506	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	148.53
32 93 43 00-0507	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	199.94
32 93 43 00-0508	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	239.93
32 93 43 00-0509	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	285.63
32 93 43 00-0510	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	308.48
32 93 43 00-0511	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	342.76
32 93 43 00-0512	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	171.38
32 93 43 00-0513	EA	2" Caliper Fraxinus quadrangulata - Blue Ash.....	211.37
32 93 43 00-0514	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	257.07
32 93 43 00-0515	EA	3" Caliper Fraxinus quadrangulata - Blue Ash.....	314.19
32 93 43 00-0516	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	371.32
32 93 43 00-0517	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	199.94
32 93 43 00-0518	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	222.79
32 93 43 00-0519	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	251.35
32 93 43 00-0520	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	279.92
32 93 43 00-0521	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	314.19
32 93 43 00-0522	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	342.76
32 93 43 00-0523	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	514.13
32 93 43 00-0524	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	571.26
32 93 43 00-0525	EA	2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	137.10
32 93 43 00-0526	EA	2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	171.38
32 93 43 00-0527	EA	3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	205.65
32 93 43 00-0528	EA	3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	239.93
32 93 43 00-0529	EA	4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	274.21
32 93 43 00-0530	EA	4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	308.48
32 93 43 00-0531	EA	5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	365.61
32 93 43 00-0532	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	177.09
32 93 43 00-0533	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	217.08
32 93 43 00-0534	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	257.07
32 93 43 00-0535	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	302.77
32 93 43 00-0536	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	342.76
32 93 43 00-0537	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	382.74
32 93 43 00-0538	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	428.45
32 93 43 00-0539	EA	1-1/2" Caliper Juglans cinerea - Butternut.....	137.10
32 93 43 00-0540	EA	2" Caliper Juglans cinerea - Butternut.....	159.95
32 93 43 00-0541	EA	2-1/2" Caliper Juglans cinerea - Butternut.....	199.94
32 93 43 00-0542	EA	3" Caliper Juglans cinerea - Butternut.....	251.35
32 93 43 00-0543	EA	3-1/2" Caliper Juglans cinerea - Butternut.....	308.48
32 93 43 00-0544	EA	1-1/2" Caliper Juglans californica - California Walnut.....	137.10
32 93 43 00-0545	EA	2" Caliper Juglans californica - California Walnut.....	159.95
32 93 43 00-0546	EA	2-1/2" Caliper Juglans californica - California Walnut.....	199.94
32 93 43 00-0547	EA	3" Caliper Juglans californica - California Walnut.....	251.35
32 93 43 00-0548	EA	3-1/2" Caliper Juglans californica - California Walnut.....	308.48
32 93 43 00-0549	EA	4" Caliper Juglans californica - California Walnut.....	371.32
32 93 43 00-0550	EA	4-1/2" Caliper Juglans californica - California Walnut.....	428.45
32 93 43 00-0551	EA	5" Caliper Juglans californica - California Walnut.....	485.57
32 93 43 00-0552	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	15.47
32 93 43 00-0553	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	38.66
32 93 43 00-0554	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	77.33
32 93 43 00-0555	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree.....	100.53
32 93 43 00-0556	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	73.46
32 93 43 00-0557	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	88.93
32 93 43 00-0558	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	123.73
32 93 43 00-0559	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	182.80
32 93 43 00-0560	EA	2" Caliper Liquidambar styraciflua - American Sweetgum.....	228.50
32 93 43 00-0561	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum.....	285.63
32 93 43 00-0562	EA	3" Caliper Liquidambar styraciflua - American Sweetgum.....	342.76

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0563	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	399.88	
32 93 43 00-0564	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	182.80	
32 93 43 00-0565	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	251.35	
32 93 43 00-0566	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	297.06	
32 93 43 00-0567	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	342.76	
32 93 43 00-0568	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	388.46	
32 93 43 00-0569	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	137.10	
32 93 43 00-0570	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	245.64	
32 93 43 00-0571	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	297.06	
32 93 43 00-0572	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	182.80	
32 93 43 00-0573	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	228.50	
32 93 43 00-0574	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	285.63	
32 93 43 00-0575	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	342.76	
32 93 43 00-0576	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	399.88	
32 93 43 00-0577	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	79.98	
32 93 43 00-0578	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	91.40	
32 93 43 00-0579	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	108.54	
32 93 43 00-0580	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	137.10	
32 93 43 00-0581	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	171.38	
32 93 43 00-0582	EA	2" Caliper Ostrya virginiana - American Hophornbeam	148.53	
32 93 43 00-0583	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	188.52	
32 93 43 00-0584	EA	3" Caliper Ostrya virginiana - American Hophornbeam	228.50	
32 93 43 00-0585	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	268.49	
32 93 43 00-0586	EA	4" Caliper Ostrya virginiana - American Hophornbeam	325.62	
32 93 43 00-0587	EA	2" Caliper Phellodendron amurense - Amur Corktree	114.25	
32 93 43 00-0588	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	142.82	
32 93 43 00-0589	EA	3" Caliper Phellodendron amurense - Amur Corktree	171.38	
32 93 43 00-0590	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	199.94	
32 93 43 00-0591	EA	4" Caliper Phellodendron amurense - Amur Corktree	228.50	
32 93 43 00-0592	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	257.07	
32 93 43 00-0593	EA	5" Caliper Phellodendron amurense - Amur Corktree	285.63	
32 93 43 00-0594	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	248.18	
32 93 43 00-0595	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	361.00	
32 93 43 00-0596	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	537.01	
32 93 43 00-0597	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	83.04	
32 93 43 00-0598	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	99.28	
32 93 43 00-0599	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	135.37	
32 93 43 00-0600	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	164.28	
32 93 43 00-0601	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	68.32	
32 93 43 00-0602	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	85.40	
32 93 43 00-0603	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	151.10	
32 93 43 00-0604	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	216.79	
32 93 43 00-0605	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	137.10	
32 93 43 00-0606	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	165.67	
32 93 43 00-0607	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	199.94	
32 93 43 00-0608	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	239.93	
32 93 43 00-0609	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	285.63	
32 93 43 00-0610	EA	2" Caliper Populus alba & cvs - White Poplar	137.10	
32 93 43 00-0611	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	159.95	
32 93 43 00-0612	EA	3" Caliper Populus alba & cvs - White Poplar	182.80	
32 93 43 00-0613	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	217.08	
32 93 43 00-0614	EA	4" Caliper Populus alba & cvs - White Poplar	239.93	
32 93 43 00-0615	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	274.21	
32 93 43 00-0616	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	125.68	
32 93 43 00-0617	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	165.67	
32 93 43 00-0618	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	199.94	
32 93 43 00-0619	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	239.93	
32 93 43 00-0620	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	285.63	
32 93 43 00-0621	EA	6' To 8' Quercus acutissima - Sawtooth Oak	42.96	
32 93 43 00-0622	EA	8' To 10' Quercus acutissima - Sawtooth Oak	64.44	
32 93 43 00-0623	EA	10' To 12' Quercus acutissima - Sawtooth Oak	75.18	
32 93 43 00-0624	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	85.92	
32 93 43 00-0625	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	96.66	
32 93 43 00-0626	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	340.25	
32 93 43 00-0627	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	458.55	
32 93 43 00-0628	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	620.16	
32 93 43 00-0629	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	827.76	
32 93 43 00-0630	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	998.56	
32 93 43 00-0631	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,103.68	
32 93 43 00-0632	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,484.71	
32 93 43 00-0633	EA	6-1/2" To 7" Caliper Quercus virginiana - Live Oak	1,865.74	
32 93 43 00-0634	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,246.77	
32 93 43 00-0635	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,726.34	
32 93 43 00-0636	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,205.92	
32 93 43 00-0637	EA	2" Caliper Quercus alba - White Oak	171.38	
32 93 43 00-0638	EA	2-1/2" Caliper Quercus alba - White Oak	199.94	
32 93 43 00-0639	EA	3" Caliper Quercus alba - White Oak	251.35	
32 93 43 00-0640	EA	3-1/2" Caliper Quercus alba - White Oak	314.19	
32 93 43 00-0641	EA	4" Caliper Quercus alba - White Oak	371.32	
32 93 43 00-0642	EA	4-1/2" Caliper Quercus alba - White Oak	457.01	
32 93 43 00-0643	EA	5" Caliper Quercus alba - White Oak	542.70	
32 93 43 00-0644	EA	2" Caliper Quercus bicolor - Swamp White Oak	199.94	
32 93 43 00-0645	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	228.50	
32 93 43 00-0646	EA	3" Caliper Quercus bicolor - Swamp White Oak	262.78	
32 93 43 00-0647	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	291.34	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0648	EA	4" Caliper Quercus bicolor - Swamp White Oak	331.33
32 93 43 00-0649	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	365.61
32 93 43 00-0650	EA	5" Caliper Quercus bicolor - Swamp White Oak	411.31
32 93 43 00-0651	EA	10' Clump Form Quercus bicolor - Swamp White Oak.....	285.63
32 93 43 00-0652	EA	12' Clump Form Quercus bicolor - Swamp White Oak.....	342.76
32 93 43 00-0653	EA	14' Clump Form Quercus bicolor - Swamp White Oak.....	399.88
32 93 43 00-0654	EA	16' Clump Form Quercus bicolor - Swamp White Oak.....	457.01
32 93 43 00-0655	EA	2" Caliper Quercus coccinea - Scarlet Oak.....	148.53
32 93 43 00-0656	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak.....	188.52
32 93 43 00-0657	EA	3" Caliper Quercus coccinea - Scarlet Oak.....	234.22
32 93 43 00-0658	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak.....	285.63
32 93 43 00-0659	EA	4" Caliper Quercus coccinea - Scarlet Oak.....	342.76
32 93 43 00-0660	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak.....	405.60
32 93 43 00-0661	EA	5" Caliper Quercus coccinea - Scarlet Oak.....	474.15
32 93 43 00-0662	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	148.53
32 93 43 00-0663	EA	2" Caliper Quercus imbricaria - Shingle Oak	199.94
32 93 43 00-0664	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	268.49
32 93 43 00-0665	EA	3" Caliper Quercus imbricaria - Shingle Oak.....	399.88
32 93 43 00-0666	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	542.70
32 93 43 00-0667	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	148.53
32 93 43 00-0668	EA	2" Caliper Quercus macrocarpa - Bur Oak	177.09
32 93 43 00-0669	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	211.37
32 93 43 00-0670	EA	3" Caliper Quercus macrocarpa - Bur Oak	257.07
32 93 43 00-0671	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	314.19
32 93 43 00-0672	EA	4" Caliper Quercus macrocarpa - Bur Oak	371.32
32 93 43 00-0673	EA	9' Clump Form Quercus macrocarpa - Bur Oak.....	342.76
32 93 43 00-0674	EA	10' Clump Form Quercus macrocarpa - Bur Oak.....	399.88
32 93 43 00-0675	EA	12' Clump Form Quercus macrocarpa - Bur Oak.....	457.01
32 93 43 00-0676	EA	2" Caliper Quercus palustris - Pin Oak	125.68
32 93 43 00-0677	EA	2-1/2" Caliper Quercus palustris - Pin Oak	171.38
32 93 43 00-0678	EA	3" Caliper Quercus palustris - Pin Oak	222.79
32 93 43 00-0679	EA	3-1/2" Caliper Quercus palustris - Pin Oak	257.07
32 93 43 00-0680	EA	4" Caliper Quercus palustris - Pin Oak	297.06
32 93 43 00-0681	EA	4-1/2" Caliper Quercus palustris - Pin Oak	337.04
32 93 43 00-0682	EA	5" Caliper Quercus palustris - Pin Oak	371.32
32 93 43 00-0683	EA	2" Caliper Quercus robur & cvs - English Oak	148.53
32 93 43 00-0684	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	182.80
32 93 43 00-0685	EA	3" Caliper Quercus robur & cvs - English Oak	217.08
32 93 43 00-0686	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	257.07
32 93 43 00-0687	EA	4" Caliper Quercus robur & cvs - English Oak	297.06
32 93 43 00-0688	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	342.76
32 93 43 00-0689	EA	5" Caliper Quercus robur & cvs - English Oak	388.46
32 93 43 00-0690	EA	2" Caliper Quercus rubra - Red Oak.....	171.38
32 93 43 00-0691	EA	2-1/2" Caliper Quercus rubra - Red Oak.....	199.94
32 93 43 00-0692	EA	3" Caliper Quercus rubra - Red Oak.....	239.93
32 93 43 00-0693	EA	3-1/2" Caliper Quercus rubra - Red Oak.....	285.63
32 93 43 00-0694	EA	4" Caliper Quercus rubra - Red Oak.....	342.76
32 93 43 00-0695	EA	4-1/2" Caliper Quercus rubra - Red Oak.....	399.88
32 93 43 00-0696	EA	5" Caliper Quercus rubra - Red Oak.....	457.01
32 93 43 00-0697	EA	16' Clump Form Quercus rubra - Red Oak	371.32
32 93 43 00-0698	EA	18' Clump Form Quercus rubra - Red Oak	445.58
32 93 43 00-0699	EA	20' Clump Form Quercus rubra - Red Oak	497.00
32 93 43 00-0700	EA	2" Caliper Quercus shumardii - Shumard Oak	194.23
32 93 43 00-0701	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak.....	245.64
32 93 43 00-0702	EA	3" Caliper Quercus shumardii - Shumard Oak	285.63
32 93 43 00-0703	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak.....	342.76
32 93 43 00-0704	EA	4" Caliper Quercus shumardii - Shumard Oak	399.88
32 93 43 00-0705	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak.....	457.01
32 93 43 00-0706	EA	5" Caliper Quercus shumardii - Shumard Oak	514.13
32 93 43 00-0707	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	171.38
32 93 43 00-0708	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	205.65
32 93 43 00-0709	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	257.07
32 93 43 00-0710	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	314.19
32 93 43 00-0711	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	365.61
32 93 43 00-0712	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	411.31
32 93 43 00-0713	EA	24" Box Salix babylonica - Weeping Willow	144.39
32 93 43 00-0714	EA	36" Box Salix babylonica - Weeping Willow	361.00
32 93 43 00-0715	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	83.04
32 93 43 00-0716	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	99.28
32 93 43 00-0717	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	108.30
32 93 43 00-0718	EA	2" Caliper Salix alba & cvs - White Willow	91.40
32 93 43 00-0719	EA	2-1/2" Caliper Salix alba & cvs - White Willow	108.54
32 93 43 00-0720	EA	3" Caliper Salix alba & cvs - White Willow	142.82
32 93 43 00-0721	EA	3-1/2" Caliper Salix alba & cvs - White Willow	171.38
32 93 43 00-0722	EA	4" Caliper Salix alba & cvs - White Willow	205.65
32 93 43 00-0723	EA	4-1/2" Caliper Salix alba & cvs - White Willow	239.93
32 93 43 00-0724	EA	5" Caliper Salix alba & cvs - White Willow	274.21
32 93 43 00-0725	EA	5' Clump Form Sassafras albidum - Common Sassafras	108.54
32 93 43 00-0726	EA	6' Clump Form Sassafras albidum - Common Sassafras	131.39
32 93 43 00-0727	EA	7' Clump Form Sassafras albidum - Common Sassafras	165.67
32 93 43 00-0728	EA	8' Clump Form Sassafras albidum - Common Sassafras	188.52
32 93 43 00-0729	EA	10' Clump Form Sassafras albidum - Common Sassafras	211.37
32 93 43 00-0730	EA	12' Clump Form Sassafras albidum - Common Sassafras	257.07
32 93 43 00-0731	EA	14' Clump Form Sassafras albidum - Common Sassafras	314.19
32 93 43 00-0732	EA	16' Clump Form Sassafras albidum - Common Sassafras	371.32

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0733	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar.....	189.20	
32 93 43 00-0734	EA	2" Caliper Sophora japonica - Chinese Scholar.....	210.22	
32 93 43 00-0735	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar.....	282.49	
32 93 43 00-0736	EA	3" Caliper Sophora japonica - Chinese Scholar.....	367.89	
32 93 43 00-0737	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar.....	427.02	
32 93 43 00-0738	EA	10' To 12' Swietenia Mahagoni - Mahogany.....	101.17	
32 93 43 00-0739	EA	12' To 14' Swietenia Mahagoni - Mahogany.....	118.25	
32 93 43 00-0740	EA	14' To 16' Swietenia Mahagoni - Mahogany.....	157.67	
32 93 43 00-0741	EA	16' To 18' Swietenia Mahagoni - Mahogany.....	177.38	
32 93 43 00-0742	EA	2" Caliper Taxodium distichum - Common Bald Cypress.....	142.82	
32 93 43 00-0743	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress.....	165.67	
32 93 43 00-0744	EA	3" Caliper Taxodium distichum - Common Bald Cypress.....	199.94	
32 93 43 00-0745	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress.....	228.50	
32 93 43 00-0746	EA	4" Caliper Taxodium distichum - Common Bald Cypress.....	251.35	
32 93 43 00-0747	EA	6' Clump Form Taxodium distichum - Common Bald Cypress.....	125.68	
32 93 43 00-0748	EA	7' Clump Form Taxodium distichum - Common Bald Cypress.....	142.82	
32 93 43 00-0749	EA	8' Clump Form Taxodium distichum - Common Bald Cypress.....	205.65	
32 93 43 00-0750	EA	10' Clump Form Taxodium distichum - Common Bald Cypress.....	228.50	
32 93 43 00-0751	EA	12' Clump Form Taxodium distichum - Common Bald Cypress.....	257.07	
32 93 43 00-0752	EA	14' Clump Form Taxodium distichum - Common Bald Cypress.....	297.06	
32 93 43 00-0753	EA	16' Clump Form Taxodium distichum - Common Bald Cypress.....	342.76	
32 93 43 00-0754	EA	2' Thuja occidentalis - American Arborvitae.....	19.58	
32 93 43 00-0755	EA	2-1/2' Thuja occidentalis - American Arborvitae.....	21.15	
32 93 43 00-0756	EA	3' Thuja occidentalis - American Arborvitae.....	30.22	
32 93 43 00-0757	EA	4' Thuja occidentalis - American Arborvitae.....	41.52	
32 93 43 00-0758	EA	5' Thuja occidentalis - American Arborvitae.....	57.81	
32 93 43 00-0759	EA	6' Thuja occidentalis - American Arborvitae.....	80.15	
32 93 43 00-0760	EA	7' Thuja occidentalis - American Arborvitae.....	97.23	
32 93 43 00-0761	EA	8' Thuja occidentalis - American Arborvitae.....	136.65	
32 93 43 00-0762	EA	2" Caliper Tilia americana & cvs - American Linden Basswood.....	142.82	
32 93 43 00-0763	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood.....	165.67	
32 93 43 00-0764	EA	3" Caliper Tilia americana & cvs - American Linden Basswood.....	211.37	
32 93 43 00-0765	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood.....	245.64	
32 93 43 00-0766	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood.....	279.92	
32 93 43 00-0767	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood.....	314.19	
32 93 43 00-0768	EA	5" Caliper Tilia americana & cvs - American Linden Basswood.....	342.76	
32 93 43 00-0769	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood.....	182.80	
32 93 43 00-0770	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood.....	199.94	
32 93 43 00-0771	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood.....	228.50	
32 93 43 00-0772	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood.....	262.78	
32 93 43 00-0773	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	143.67	
32 93 43 00-0774	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	173.55	
32 93 43 00-0775	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden.....	199.94	
32 93 43 00-0776	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	245.64	
32 93 43 00-0777	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden.....	279.92	
32 93 43 00-0778	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	314.19	
32 93 43 00-0779	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden.....	348.47	
32 93 43 00-0780	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden.....	159.95	
32 93 43 00-0781	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden.....	177.09	
32 93 43 00-0782	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden.....	194.23	
32 93 43 00-0783	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden.....	217.08	
32 93 43 00-0784	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden.....	251.35	
32 93 43 00-0785	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden.....	297.06	
32 93 43 00-0786	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden.....	388.46	
32 93 43 00-0787	EA	2" Caliper Tilia x euchlora - Crimean Linden.....	159.95	
32 93 43 00-0788	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden.....	205.65	
32 93 43 00-0789	EA	3" Caliper Tilia x euchlora - Crimean Linden.....	251.35	
32 93 43 00-0790	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden.....	285.63	
32 93 43 00-0791	EA	4" Caliper Tilia x euchlora - Crimean Linden.....	319.91	
32 93 43 00-0792	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden.....	359.89	
32 93 43 00-0793	EA	5" Caliper Tilia x euchlora - Crimean Linden.....	388.46	
32 93 43 00-0794	EA	2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	159.95	
32 93 43 00-0795	EA	2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	182.80	
32 93 43 00-0796	EA	3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	199.94	
32 93 43 00-0797	EA	3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	217.08	
32 93 43 00-0798	EA	4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	239.93	
32 93 43 00-0799	EA	4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	285.63	
32 93 43 00-0800	EA	5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	337.04	
32 93 43 00-0801	EA	2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	182.80	
32 93 43 00-0802	EA	2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	199.94	
32 93 43 00-0803	EA	3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	217.08	
32 93 43 00-0804	EA	3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	239.93	
32 93 43 00-0805	EA	4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	285.63	
32 93 43 00-0806	EA	4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	337.04	
32 93 43 00-0807	EA	5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	388.46	
32 93 43 00-0808	EA	2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	182.80	
32 93 43 00-0809	EA	2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm.....	199.94	
32 93 43 00-0810	EA	3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	217.08	
32 93 43 00-0811	EA	3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	239.93	
32 93 43 00-0812	EA	4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	285.63	
32 93 43 00-0813	EA	4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	337.04	
32 93 43 00-0814	EA	5" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	388.46	
32 93 43 00-0815	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree.....	88.41	
32 93 43 00-0816	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree.....	108.30	
32 93 43 00-0817	EA	2-1/2" To 3" Caliper Zelkova serrata - Japanese Keaki Tree.....	137.22	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 93 43 00-0818****Evergreen Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0819	EA	6' Abies balsamea - Balsam Fir	139.70
32 93 43 00-0820	EA	7' Abies balsamea - Balsam Fir	174.62
32 93 43 00-0821	EA	8' Abies balsamea - Balsam Fir	209.54
32 93 43 00-0822	EA	9' Abies balsamea - Balsam Fir	279.39
32 93 43 00-0823	EA	10' Abies balsamea - Balsam Fir	349.24
32 93 43 00-0824	EA	12' Abies balsamea - Balsam Fir	419.09
32 93 43 00-0825	EA	6' Abies concolor - White Fir	202.56
32 93 43 00-0826	EA	7' Abies concolor - White Fir	230.50
32 93 43 00-0827	EA	8' Abies concolor - White Fir	272.41
32 93 43 00-0828	EA	9' Abies concolor - White Fir	314.32
32 93 43 00-0829	EA	10' Abies concolor - White Fir	370.19
32 93 43 00-0830	EA	12' Abies concolor - White Fir	454.01
32 93 43 00-0831	EA	14' Abies concolor - White Fir	558.78
32 93 43 00-0832	EA	16' Abies concolor - White Fir	628.63
32 93 43 00-0833	EA	6' Abies fraseri - Frasier Fir	139.70
32 93 43 00-0834	EA	7' Abies fraseri - Frasier Fir	174.62
32 93 43 00-0835	EA	8' Abies fraseri - Frasier Fir	209.54
32 93 43 00-0836	EA	9' Abies fraseri - Frasier Fir	279.39
32 93 43 00-0837	EA	10' Abies fraseri - Frasier Fir	349.24
32 93 43 00-0838	EA	12' Abies fraseri - Frasier Fir	419.09
32 93 43 00-0839	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	25.16
32 93 43 00-0840	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	40.45
32 93 43 00-0841	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	60.09
32 93 43 00-0842	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	80.84
32 93 43 00-0843	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	114.77
32 93 43 00-0844	EA	6' To 8' Cedrus deodara - Indian Cedar	103.85
32 93 43 00-0845	EA	8' To 10' Cedrus deodara - Indian Cedar	120.24
32 93 43 00-0846	EA	10' To 12' Cedrus deodara - Indian Cedar	163.94
32 93 43 00-0847	EA	12' To 14' Cedrus deodara - Indian Cedar	213.11
32 93 43 00-0848	EA	14' To 16' Cedrus deodara - Indian Cedar	273.25
32 93 43 00-0849	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	32.46
32 93 43 00-0850	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	48.69
32 93 43 00-0851	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	75.74
32 93 43 00-0852	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	129.85
32 93 43 00-0853	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	39.34
32 93 43 00-0854	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	61.25
32 93 43 00-0855	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	76.48
32 93 43 00-0856	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	109.31
32 93 43 00-0857	EA	1 Gallon Cleyera japonica - Japanese Cleyera	4.43
32 93 43 00-0858	EA	3 Gallon Cleyera japonica - Japanese Cleyera	11.11
32 93 43 00-0859	EA	7 Gallon Cleyera japonica - Japanese Cleyera	31.82
32 93 43 00-0860	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	17.86
32 93 43 00-0861	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	71.44
32 93 43 00-0862	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	31.25
32 93 43 00-0863	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	40.18
32 93 43 00-0864	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	62.51
32 93 43 00-0865	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	151.81
32 93 43 00-0866	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	3.26
32 93 43 00-0867	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	14.66
32 93 43 00-0868	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	48.85
32 93 43 00-0869	EA	5 Gallon Cupressus sempervirens - Italian Cypress	16.81
32 93 43 00-0870	EA	15 Gallon Cupressus sempervirens - Italian Cypress	46.22
32 93 43 00-0871	EA	1 Gallon Illicium anisatum - Anise Tree	4.80
32 93 43 00-0872	EA	3 Gallon Illicium anisatum - Anise Tree	11.11
32 93 43 00-0873	EA	1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	4.94
32 93 43 00-0874	EA	2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	9.66
32 93 43 00-0875	EA	3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	11.98
32 93 43 00-0876	EA	5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	14.08
32 93 43 00-0877	EA	1 Gallon Juniperus - Blue Sargent Juniper	4.94
32 93 43 00-0878	EA	2 Gallon Juniperus - Blue Sargent Juniper	9.66
32 93 43 00-0879	EA	3 Gallon Juniperus - Blue Sargent Juniper	11.98
32 93 43 00-0880	EA	5 Gallon Juniperus - Blue Sargent Juniper	14.08
32 93 43 00-0881	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	14.08
32 93 43 00-0882	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	15.23
32 93 43 00-0883	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	18.38
32 93 43 00-0884	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	27.31
32 93 43 00-0885	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	31.62
32 93 43 00-0886	EA	5' To 6' Juniperus - Fairview Juniper	47.10
32 93 43 00-0887	EA	1 Gallon Juniperus - Hollywood Juniper	6.30
32 93 43 00-0888	EA	5 Gallon Juniperus - Hollywood Juniper	17.54
32 93 43 00-0889	EA	15 Gallon Juniperus - Hollywood Juniper	74.38
32 93 43 00-0890	EA	4' To 5' Juniperus - Hollywood Juniper	49.17
32 93 43 00-0891	EA	5' To 6' Juniperus - Hollywood Juniper	63.35
32 93 43 00-0892	EA	1 Gallon Juniperus - Parson's Juniper	4.94
32 93 43 00-0893	EA	2 Gallon Juniperus - Parson's Juniper	9.77
32 93 43 00-0894	EA	3 Gallon Juniperus - Parson's Juniper	12.08
32 93 43 00-0895	EA	5 Gallon Juniperus - Parson's Juniper	14.29
32 93 43 00-0896	EA	5 Gallon Juniperus - Skyrocket Juniper	17.65
32 93 43 00-0897	EA	15 Gallon Juniperus - Skyrocket Juniper	75.11
32 93 43 00-0898	EA	2' To 3' Juniperus - Skyrocket Juniper	26.47
32 93 43 00-0899	EA	3' To 4' Juniperus - Skyrocket Juniper	37.50

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
32 93 43 00-0900	EA	4' To 5' Juniperus - Skyrocket Juniper	49.69	
32 93 43 00-0901	EA	5' To 6' Juniperus - Skyrocket Juniper	64.08	
32 93 43 00-0902	EA	6' To 8' Juniperus - Skyrocket Juniper	82.78	
32 93 43 00-0903	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.94	
32 93 43 00-0904	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	9.72	
32 93 43 00-0905	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	11.92	
32 93 43 00-0906	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	14.13	
32 93 43 00-0907	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.94	
32 93 43 00-0908	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	9.72	
32 93 43 00-0909	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	11.92	
32 93 43 00-0910	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	14.13	
32 93 43 00-0911	EA	2' To 3' Juniperus virginiana - Eastern Red Cedar	26.47	
32 93 43 00-0912	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	37.50	
32 93 43 00-0913	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar	49.69	
32 93 43 00-0914	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar	64.08	
32 93 43 00-0915	EA	5' Picea abies & cvs - Norway Spruce	153.67	
32 93 43 00-0916	EA	6' Picea abies & cvs - Norway Spruce	174.62	
32 93 43 00-0917	EA	7' Picea abies & cvs - Norway Spruce	209.54	
32 93 43 00-0918	EA	8' Picea abies & cvs - Norway Spruce	244.47	
32 93 43 00-0919	EA	9' Picea abies & cvs - Norway Spruce	328.28	
32 93 43 00-0920	EA	10' Picea abies & cvs - Norway Spruce	398.13	
32 93 43 00-0921	EA	12' Picea abies & cvs - Norway Spruce	488.93	
32 93 43 00-0922	EA	14' Picea abies & cvs - Norway Spruce	593.71	
32 93 43 00-0923	EA	6' Picea glauca - White Spruce	146.68	
32 93 43 00-0924	EA	7' Picea glauca - White Spruce	209.54	
32 93 43 00-0925	EA	8' Picea glauca - White Spruce	244.47	
32 93 43 00-0926	EA	9' Picea glauca - White Spruce	293.36	
32 93 43 00-0927	EA	10' Picea glauca - White Spruce	349.24	
32 93 43 00-0928	EA	12' Picea glauca - White Spruce	419.09	
32 93 43 00-0929	EA	4' Picea glauca densata - Black Hills Spruce	83.82	
32 93 43 00-0930	EA	5' Picea glauca densata - Black Hills Spruce	125.73	
32 93 43 00-0931	EA	6' Picea glauca densata - Black Hills Spruce	188.59	
32 93 43 00-0932	EA	7' Picea glauca densata - Black Hills Spruce	223.51	
32 93 43 00-0933	EA	8' Picea glauca densata - Black Hills Spruce	258.44	
32 93 43 00-0934	EA	9' Picea glauca densata - Black Hills Spruce	286.38	
32 93 43 00-0935	EA	10' Picea glauca densata - Black Hills Spruce	314.32	
32 93 43 00-0936	EA	6' Picea omorika & cvs - Serbian Spruce	188.59	
32 93 43 00-0937	EA	7' Picea omorika & cvs - Serbian Spruce	209.54	
32 93 43 00-0938	EA	8' Picea omorika & cvs - Serbian Spruce	251.45	
32 93 43 00-0939	EA	9' Picea omorika & cvs - Serbian Spruce	293.36	
32 93 43 00-0940	EA	10' Picea omorika & cvs - Serbian Spruce	335.27	
32 93 43 00-0941	EA	5' Picea pungens - Colorado Green Spruce	153.67	
32 93 43 00-0942	EA	6' Picea pungens - Colorado Green Spruce	195.57	
32 93 43 00-0943	EA	7' Picea pungens - Colorado Green Spruce	230.50	
32 93 43 00-0944	EA	8' Picea pungens - Colorado Green Spruce	265.42	
32 93 43 00-0945	EA	9' Picea pungens - Colorado Green Spruce	307.33	
32 93 43 00-0946	EA	10' Picea pungens - Colorado Green Spruce	379.74	
32 93 43 00-0947	EA	12' Picea pungens - Colorado Green Spruce	419.09	
32 93 43 00-0948	EA	14' Picea pungens - Colorado Green Spruce	488.93	
32 93 43 00-0949	EA	16' Picea pungens - Colorado Green Spruce	628.63	
32 93 43 00-0950	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	153.67	
32 93 43 00-0951	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	209.54	
32 93 43 00-0952	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	244.47	
32 93 43 00-0953	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	279.39	
32 93 43 00-0954	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	314.32	
32 93 43 00-0955	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	384.16	
32 93 43 00-0956	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	488.93	
32 93 43 00-0957	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	733.40	
32 93 43 00-0958	EA	4' Pinus cembra - Swiss Stone Pine	118.74	
32 93 43 00-0959	EA	5' Pinus cembra - Swiss Stone Pine	146.68	
32 93 43 00-0960	EA	6' Pinus cembra - Swiss Stone Pine	181.60	
32 93 43 00-0961	EA	6' Pinus flexilis & cvs - Limber Pine	174.62	
32 93 43 00-0962	EA	7' Pinus flexilis & cvs - Limber Pine	202.56	
32 93 43 00-0963	EA	8' Pinus flexilis & cvs - Limber Pine	251.45	
32 93 43 00-0964	EA	9' Pinus flexilis & cvs - Limber Pine	307.33	
32 93 43 00-0965	EA	10' Pinus flexilis & cvs - Limber Pine	349.24	
32 93 43 00-0966	EA	1 Gallon Pinus mugo - Mugho Pine	6.51	
32 93 43 00-0967	EA	2 Gallon Pinus mugo - Mugho Pine	13.76	
32 93 43 00-0968	EA	3 Gallon Pinus mugo - Mugho Pine	17.23	
32 93 43 00-0969	EA	5 Gallon Pinus mugo - Mugho Pine	21.85	
32 93 43 00-0970	EA	12" To 15" Spread Pinus mugo - Mugho Pine	16.91	
32 93 43 00-0971	EA	15" To 18" Spread Pinus mugo - Mugho Pine	20.17	
32 93 43 00-0972	EA	18" To 24" Spread Pinus mugo - Mugho Pine	27.31	
32 93 43 00-0973	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	38.24	
32 93 43 00-0974	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	49.17	
32 93 43 00-0975	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	61.25	
32 93 43 00-0976	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	74.38	
32 93 43 00-0977	EA	6' Pinus nigra - Austrian Pine	174.62	
32 93 43 00-0978	EA	7' Pinus nigra - Austrian Pine	209.54	
32 93 43 00-0979	EA	8' Pinus nigra - Austrian Pine	272.41	
32 93 43 00-0980	EA	9' Pinus nigra - Austrian Pine	314.32	
32 93 43 00-0981	EA	10' Pinus nigra - Austrian Pine	370.19	
32 93 43 00-0982	EA	12' Pinus nigra - Austrian Pine	419.09	
32 93 43 00-0983	EA	14' Pinus nigra - Austrian Pine	467.98	
32 93 43 00-0984	EA	16' Pinus nigra - Austrian Pine	530.84	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0985	EA	5' Pinus peuce - Macedonian Pine.....	216.53
32 93 43 00-0986	EA	6' Pinus peuce - Macedonian Pine.....	272.41
32 93 43 00-0987	EA	7' Pinus peuce - Macedonian Pine.....	314.32
32 93 43 00-0988	EA	8' Pinus peuce - Macedonian Pine.....	356.22
32 93 43 00-0989	EA	9' Pinus peuce - Macedonian Pine.....	412.10
32 93 43 00-0990	EA	2' Pinus strobus - Pyramidal White Pine.....	19.34
32 93 43 00-0991	EA	3' Pinus strobus - Pyramidal White Pine.....	25.85
32 93 43 00-0992	EA	4' Pinus strobus - Pyramidal White Pine.....	28.52
32 93 43 00-0993	EA	5' Pinus strobus - Pyramidal White Pine.....	31.18
32 93 43 00-0994	EA	6' Pinus strobus - Pyramidal White Pine.....	38.85
32 93 43 00-0995	EA	7' Pinus strobus - Pyramidal White Pine.....	51.69
32 93 43 00-0996	EA	8' Pinus strobus - Pyramidal White Pine.....	71.04
32 93 43 00-0997	EA	10' Pinus strobus - Pyramidal White Pine.....	141.74
32 93 43 00-0998	EA	12' Pinus strobus - Pyramidal White Pine.....	336.84
32 93 43 00-0999	EA	14' Pinus strobus - Pyramidal White Pine.....	451.91
32 93 43 00-1000	EA	16' Pinus strobus - Pyramidal White Pine.....	543.62
32 93 43 00-1001	EA	2' Pinus strobus - White Pine.....	29.72
32 93 43 00-1002	EA	3' Pinus strobus - White Pine.....	42.41
32 93 43 00-1003	EA	4' Pinus strobus - White Pine.....	67.63
32 93 43 00-1004	EA	5' Pinus strobus - White Pine.....	96.39
32 93 43 00-1005	EA	6' Pinus strobus - White Pine.....	141.37
32 93 43 00-1006	EA	7' Pinus strobus - White Pine.....	168.68
32 93 43 00-1007	EA	8' Pinus strobus - White Pine.....	228.12
32 93 43 00-1008	EA	10' Pinus strobus - White Pine.....	306.84
32 93 43 00-1009	EA	12' Pinus strobus - White Pine.....	406.44
32 93 43 00-1010	EA	14' Pinus strobus - White Pine.....	498.02
32 93 43 00-1011	EA	16' Pinus strobus - White Pine.....	605.65
32 93 43 00-1012	EA	3' Pinus sylvestris - Scotch Pine.....	45.89
32 93 43 00-1013	EA	4' Pinus sylvestris - Scotch Pine.....	63.70
32 93 43 00-1014	EA	5' Pinus sylvestris - Scotch Pine.....	89.41
32 93 43 00-1015	EA	6' Pinus sylvestris - Scotch Pine.....	124.05
32 93 43 00-1016	EA	7' Pinus sylvestris - Scotch Pine.....	151.99
32 93 43 00-1017	EA	8' Pinus sylvestris - Scotch Pine.....	214.57
32 93 43 00-1018	EA	9' Pinus sylvestris - Scotch Pine.....	272.41
32 93 43 00-1019	EA	10' Pinus sylvestris - Scotch Pine.....	314.32
32 93 43 00-1020	EA	12' Pinus sylvestris - Scotch Pine.....	370.19
32 93 43 00-1021	EA	14' Pinus sylvestris - Scotch Pine.....	419.09
32 93 43 00-1022	EA	16' Pinus sylvestris - Scotch Pine.....	488.93
32 93 43 00-1023	EA	5' To 6' Pinus taeda - Loblolly Pine.....	19.97
32 93 43 00-1024	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine.....	4.94
32 93 43 00-1025	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine.....	17.54
32 93 43 00-1026	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine.....	56.84
32 93 43 00-1027	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine.....	24.06
32 93 43 00-1028	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine.....	30.57
32 93 43 00-1029	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine.....	45.91
32 93 43 00-1030	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine.....	89.61
32 93 43 00-1031	EA	6' To 7' Pinus thunbergiana - Japanese Black Pine.....	100.54
32 93 43 00-1032	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine.....	125.65
32 93 43 00-1033	EA	1 Gallon Podocarpus - Chinese Podocarpus.....	3.26
32 93 43 00-1034	EA	3 Gallon Podocarpus - Chinese Podocarpus.....	7.56
32 93 43 00-1035	EA	7 Gallon Podocarpus - Chinese Podocarpus.....	21.85
32 93 43 00-1036	EA	15 Gallon Podocarpus - Chinese Podocarpus.....	35.51
32 93 43 00-1037	EA	4' To 5' Podocarpus - Chinese Podocarpus.....	54.63
32 93 43 00-1038	EA	5' Pseudotsuga menziesii - Douglas Fir.....	139.70
32 93 43 00-1039	EA	6' Pseudotsuga menziesii - Douglas Fir.....	167.63
32 93 43 00-1040	EA	7' Pseudotsuga menziesii - Douglas Fir.....	209.54
32 93 43 00-1041	EA	8' Pseudotsuga menziesii - Douglas Fir.....	251.45
32 93 43 00-1042	EA	9' Pseudotsuga menziesii - Douglas Fir.....	314.32
32 93 43 00-1043	EA	10' Pseudotsuga menziesii - Douglas Fir.....	370.19
32 93 43 00-1044	EA	12' Pseudotsuga menziesii - Douglas Fir.....	419.09
32 93 43 00-1045	EA	5' To 6' Sequoia sempervirens - Dawn Redwood.....	68.29
32 93 43 00-1046	EA	6' To 8' Sequoia sempervirens - Dawn Redwood.....	92.19
32 93 43 00-1047	EA	8' To 10' Sequoia sempervirens - Dawn Redwood.....	112.67
32 93 43 00-1048	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress.....	48.54
32 93 43 00-1049	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress.....	60.67
32 93 43 00-1050	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress.....	75.01
32 93 43 00-1051	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress.....	94.92
32 93 43 00-1052	EA	6' Tsuga canadensis - Northern Hemlock.....	139.70
32 93 43 00-1053	EA	7' Tsuga canadensis - Northern Hemlock.....	174.62
32 93 43 00-1054	EA	8' Tsuga canadensis - Northern Hemlock.....	237.48
32 93 43 00-1055	EA	9' Tsuga canadensis - Northern Hemlock.....	279.39
32 93 43 00-1056	EA	10' Tsuga canadensis - Northern Hemlock.....	314.32
32 93 43 00-1057	EA	12' Tsuga canadensis - Northern Hemlock.....	349.24
32 93 43 00-1058	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae.....	13.17
32 93 43 00-1059	EA	3' To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae.....	24.65

32 93 43 00-1060**Palm And Subtropical Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1061	EA	4' To 5' Archontophoenix cunninghamiana - King Palm.....	107.48
32 93 43 00-1062	EA	6' To 8' Archontophoenix cunninghamiana - King Palm.....	167.20
32 93 43 00-1063	EA	8' To 10' Archontophoenix cunninghamiana - King Palm.....	214.97
32 93 43 00-1064	EA	10' To 12' Archontophoenix cunninghamiana - King Palm.....	286.62
32 93 43 00-1065	EA	4' To 5' Arecastrum romanoffianum - Queen Palm.....	81.43
32 93 43 00-1066	EA	6' To 8' Arecastrum romanoffianum - Queen Palm.....	114.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-1067	EA	8' To 10'	Arecastrum romanzoffianum - Queen Palm	146.57	
32 93 43 00-1068	EA	10' To 12'	Arecastrum romanzoffianum - Queen Palm	179.14	
32 93 43 00-1069	EA	12' To 14'	Arecastrum romanzoffianum - Queen Palm	217.14	
32 93 43 00-1070	EA	14' To 16'	Arecastrum romanzoffianum - Queen Palm	271.42	
32 93 43 00-1071	EA	3' To 4'	Chamaedorea radicalis - Dwarf Bamboo Palm	228.00	
32 93 43 00-1072	EA	5' To 6'	Chamaedorea radicalis - Dwarf Bamboo Palm	358.28	
32 93 43 00-1073	EA	3' To 4'	Chamaerops humilis - European Fan Palm.....	195.43	
32 93 43 00-1074	EA	5' To 6'	Chamaerops humilis - European Fan Palm.....	260.57	
32 93 43 00-1075	EA	7' To 8'	Chamaerops humilis - European Fan Palm.....	607.99	
32 93 43 00-1076	EA	9' To 10'	Chamaerops humilis - European Fan Palm.....	1,042.27	
32 93 43 00-1077	EA	6' To 7'	Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	152.00	
32 93 43 00-1078	EA	8' To 10'	Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	304.00	
32 93 43 00-1079	EA	10' To 12'	Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	390.85	
32 93 43 00-1080	EA	12' To 14'	Cocos nucifera 'Jamaican Maypan' - Maypan Coconut.....	542.85	
32 93 43 00-1081	EA	12' To 16'	Cocos nucifera - Coconut Palm.....	457.88	
32 93 43 00-1082	EA	4' To 5'	Rhapis excelsa - Lady Palm.....	412.57	
32 93 43 00-1083	EA	6' To 7'	Rhapis excelsa - Lady Palm.....	586.28	
32 93 43 00-1084	EA	8' To 9'	Roystonea regia - Royal Palm.....	332.22	
32 93 43 00-1085	EA	10' To 11'	Roystonea regia - Royal Palm.....	406.05	
32 93 43 00-1086	EA	12' To 13'	Roystonea regia - Royal Palm.....	479.88	
32 93 43 00-1087	EA	14' To 15'	Roystonea regia - Royal Palm.....	553.71	
32 93 43 00-1088	EA	16' To 17'	Roystonea regia - Royal Palm.....	627.53	
32 93 43 00-1089	EA	18' To 19'	Roystonea regia - Royal Palm.....	701.36	
32 93 43 00-1090	EA	20' To 21'	Roystonea regia - Royal Palm.....	775.19	
32 93 43 00-1091	EA	10' To 16'	Sabal palmetto - Cabbage Palm	167.90	
32 93 43 00-1092	EA	6' To 7'	Thrinax morrisii - Key Thatch Palm	455.99	
32 93 43 00-1093	EA	8' To 9'	Thrinax morrisii - Key Thatch Palm	586.28	
32 93 43 00-1094	EA	10' To 11'	Thrinax morrisii - Key Thatch Palm	716.56	

32 93 83 Planting of Trees, Shrubs and Ground Cover (32 93 83)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees (32 93 83)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting.....	1.44
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting.....	2.31
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting.....	2.89
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting.....	4.62
32 93 83 00-0006	EA	1 Gallon Container Tree Planting.....	23.10
		For >10 To 25, Deduct	-1.16
		For >25 To 50, Deduct	-2.89
		For >50 To 100, Deduct	-4.62
		For >100, Deduct	-6.93
32 93 83 00-0007	EA	2 Gallon Container Tree Planting.....	32.33
		For >10 To 25, Deduct	-1.62
		For >25 To 50, Deduct	-4.04
		For >50 To 100, Deduct	-6.47
		For >100, Deduct	-9.70
32 93 83 00-0008	EA	3 Gallon Container Tree Planting.....	41.57
		For >10 To 25, Deduct	-2.08
		For >25 To 50, Deduct	-5.20
		For >50 To 100, Deduct	-8.31
		For >100, Deduct	-12.47
32 93 83 00-0009	EA	5 Gallon Container Tree Planting.....	69.29
		For >10 To 25, Deduct	-3.46
		For >25 To 50, Deduct	-8.66
		For >50 To 100, Deduct	-13.86
		For >100, Deduct	-20.79
32 93 83 00-0010	EA	7 Gallon Container Tree Planting.....	92.38
		For >10 To 25, Deduct	-4.62
		For >25 To 50, Deduct	-11.55
		For >50 To 100, Deduct	-18.48
		For >100, Deduct	-27.71
32 93 83 00-0011	EA	10 Gallon Container Tree Planting.....	120.10
		For >10 To 25, Deduct	-6.01
		For >25 To 50, Deduct	-15.01
		For >50 To 100, Deduct	-24.02
		For >100, Deduct	-36.03
32 93 83 00-0012	EA	15 Gallon Container Tree Planting.....	170.91
		For >10 To 25, Deduct	-8.55
		For >25 To 50, Deduct	-21.36
		For >50 To 100, Deduct	-34.18
		For >100, Deduct	-51.27
32 93 83 00-0013	EA	20 Gallon Container Tree Planting.....	281.77
		For >10 To 25, Deduct	-14.09
		For >25 To 50, Deduct	-35.22
		For >50 To 100, Deduct	-56.35
		For >100, Deduct	-84.53
32 93 83 00-0014	EA	25 Gallon Container Tree Planting.....	364.92
		For >10 To 25, Deduct	-18.25
		For >25 To 50, Deduct	-45.62
		For >50 To 100, Deduct	-72.98
		For >100, Deduct	-109.48

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 83 00-0015	EA	30 Gallon Container Tree Planting.....	438.82	
		For>10 To 25, Deduct	-21.94	
		For>25 To 50, Deduct	-54.85	
		For>50 To 100, Deduct	-87.76	
		For>100, Deduct	-131.65	
32 93 83 00-0016	EA	45 Gallon Container Tree Planting.....	545.07	
		For>10 To 25, Deduct	-27.25	
		For>25 To 50, Deduct	-68.13	
		For>50 To 100, Deduct	-109.01	
		For>100, Deduct	-163.52	
32 93 83 00-0017	EA	65 Gallon Container Tree Planting.....	646.69	
		For>10 To 25, Deduct	-32.33	
		For>25 To 50, Deduct	-80.84	
		For>50 To 100, Deduct	-129.34	
		For>100, Deduct	-194.01	
32 93 83 00-0018	EA	6' Balled And Burlapped Tree Planting	230.97	
		For>10 To 25, Deduct	-11.55	
		For>25 To 50, Deduct	-28.87	
		For>50 To 100, Deduct	-46.19	
		For>100, Deduct	-69.29	
32 93 83 00-0019	EA	7' Balled And Burlapped Tree Planting	307.64	
		For>10 To 25, Deduct	-15.38	
		For>25 To 50, Deduct	-38.46	
		For>50 To 100, Deduct	-61.53	
		For>100, Deduct	-92.29	
32 93 83 00-0020	EA	8' Balled And Burlapped Tree Planting	346.44	
		For>10 To 25, Deduct	-17.32	
		For>25 To 50, Deduct	-43.31	
		For>50 To 100, Deduct	-69.29	
		For>100, Deduct	-103.93	
32 93 83 00-0021	EA	10' Balled And Burlapped Tree Planting	404.19	
		For>10 To 25, Deduct	-20.21	
		For>25 To 50, Deduct	-50.52	
		For>50 To 100, Deduct	-80.84	
		For>100, Deduct	-121.26	
32 93 83 00-0022	EA	12' Balled And Burlapped Tree Planting	540.45	
		For>10 To 25, Deduct	-27.02	
		For>25 To 50, Deduct	-67.56	
		For>50 To 100, Deduct	-108.09	
		For>100, Deduct	-162.14	
32 93 83 00-0023	EA	14' Balled And Burlapped Tree Planting	618.98	
		For>10 To 25, Deduct	-30.95	
		For>25 To 50, Deduct	-77.37	
		For>50 To 100, Deduct	-123.80	
		For>100, Deduct	-185.69	
32 93 83 00-0024	EA	16' Balled And Burlapped Tree Planting	750.63	
		For>10 To 25, Deduct	-37.53	
		For>25 To 50, Deduct	-93.83	
		For>50 To 100, Deduct	-150.13	
		For>100, Deduct	-225.19	
32 93 83 00-0025	EA	18' Balled And Burlapped Tree Planting	900.76	
		For>10 To 25, Deduct	-45.04	
		For>25 To 50, Deduct	-112.60	
		For>50 To 100, Deduct	-180.15	
		For>100, Deduct	-270.23	
32 93 83 00-0026	EA	20' Balled And Burlapped Tree Planting	1,039.33	
		For>10 To 25, Deduct	-51.97	
		For>25 To 50, Deduct	-129.92	
		For>50 To 100, Deduct	-207.87	
		For>100, Deduct	-311.80	
32 93 83 00-0027	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	346.44	
		For>10 To 25, Deduct	-17.32	
		For>25 To 50, Deduct	-43.31	
		For>50 To 100, Deduct	-69.29	
		For>100, Deduct	-103.93	
32 93 83 00-0028	EA	2" Caliper Balled And Burlapped Tree Planting	404.19	
		For>10 To 25, Deduct	-20.21	
		For>25 To 50, Deduct	-50.52	
		For>50 To 100, Deduct	-80.84	
		For>100, Deduct	-121.26	
32 93 83 00-0029	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	542.76	
		For>10 To 25, Deduct	-27.14	
		For>25 To 50, Deduct	-67.85	
		For>50 To 100, Deduct	-108.55	
		For>100, Deduct	-162.83	
32 93 83 00-0030	EA	3" Caliper Balled And Burlapped Tree Planting	623.60	
		For>10 To 25, Deduct	-31.18	
		For>25 To 50, Deduct	-77.95	
		For>50 To 100, Deduct	-124.72	
		For>100, Deduct	-187.08	
32 93 83 00-0031	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	692.89	
		For>10 To 25, Deduct	-34.64	
		For>25 To 50, Deduct	-86.61	
		For>50 To 100, Deduct	-138.58	
		For>100, Deduct	-207.87	
32 93 83 00-0032	EA	4" Caliper Balled And Burlapped Tree Planting	794.50	
		For>10 To 25, Deduct	-39.73	
		For>25 To 50, Deduct	-99.31	
		For>50 To 100, Deduct	-158.90	
		For>100, Deduct	-238.35	

32 93 83 00-0033

Tree Pits (32 93 83)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0034	EA	2' x 1-1/4' Deep Tree Pit	135.98
32 93 83 00-0035	EA	2' x 2-1/2' Deep Tree Pit	203.93
32 93 83 00-0036	EA	2-1/2' x 1-1/2' Deep Tree Pit	262.94
32 93 83 00-0037	EA	2-1/2' x 3' Deep Tree Pit	394.33
32 93 83 00-0038	EA	3' x 1-3/4' Deep Tree Pit	406.73
32 93 83 00-0039	EA	3' x 3-1/2' Deep Tree Pit	607.03
32 93 83 00-0040	EA	3-1/2' x 1-3/4' Deep Tree Pit	498.91
32 93 83 00-0041	EA	3-1/2' x 3-1/2' Deep Tree Pit	747.36
32 93 83 00-0042	EA	4' x 2' Deep Tree Pit	596.56
32 93 83 00-0043	EA	4' x 4' Deep Tree Pit	894.37
32 93 83 00-0044	EA	4-1/2' x 2' Deep Tree Pit	859.67
32 93 83 00-0045	EA	4-1/2' x 4' Deep Tree Pit	1,291.94
32 93 83 00-0046	EA	5' x 2-1/4' Deep Tree Pit	1,143.45
32 93 83 00-0047	EA	5' x 4-1/2' Deep Tree Pit	1,703.62
32 93 83 00-0048	EA	6' x 2-1/2' Deep Tree Pit	1,621.58
32 93 83 00-0049	EA	6' x 5' Deep Tree Pit	2,428.91
32 93 83 00-0050	EA	7' x 3' Deep Tree Pit	2,732.32
32 93 83 00-0051	EA	7' x 6' Deep Tree Pit	4,119.51
32 93 83 00-0052	EA	8' x 3-1/4' Deep Tree Pit	3,758.93
32 93 83 00-0053	EA	8' x 6-1/2' Deep Tree Pit	5,636.07

32 93 83 00-0054

Planting Shrubs (32 93 83)

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0055	EA	1 Gallon Container Shrub Planting	19.64
		For >10 To 25, Deduct	-0.98
		For >25 To 50, Deduct	-2.46
		For >50 To 100, Deduct	-3.93
		For >100, Deduct	-5.89
32 93 83 00-0056	EA	2 Gallon Container Shrub Planting	27.71
		For >10 To 25, Deduct	-1.39
		For >25 To 50, Deduct	-3.46
		For >50 To 100, Deduct	-5.54
		For >100, Deduct	-8.31
32 93 83 00-0057	EA	3 Gallon Container Shrub Planting	34.65
		For >10 To 25, Deduct	-1.73
		For >25 To 50, Deduct	-4.33
		For >50 To 100, Deduct	-6.93
		For >100, Deduct	-10.40
32 93 83 00-0058	EA	4 Gallon Container Shrub Planting	46.20
		For >10 To 25, Deduct	-2.31
		For >25 To 50, Deduct	-5.78
		For >50 To 100, Deduct	-9.24
		For >100, Deduct	-13.86
32 93 83 00-0059	EA	5 Gallon Container Shrub Planting	57.74
		For >10 To 25, Deduct	-2.89
		For >25 To 50, Deduct	-7.22
		For >50 To 100, Deduct	-11.55
		For >100, Deduct	-17.32
32 93 83 00-0060	EA	7 Gallon Container Shrub Planting	78.53
		For >10 To 25, Deduct	-3.93
		For >25 To 50, Deduct	-9.82
		For >50 To 100, Deduct	-15.71
		For >100, Deduct	-23.56
32 93 83 00-0061	EA	10 Gallon Container Shrub Planting	103.93
		For >10 To 25, Deduct	-5.20
		For >25 To 50, Deduct	-12.99
		For >50 To 100, Deduct	-20.79
		For >100, Deduct	-31.18
32 93 83 00-0062	EA	15 Gallon Container Shrub Planting	143.20
		For >10 To 25, Deduct	-7.16
		For >25 To 50, Deduct	-17.90
		For >50 To 100, Deduct	-28.64
		For >100, Deduct	-42.96
32 93 83 00-0063	EA	20 Gallon Container Shrub Planting	240.20
		For >10 To 25, Deduct	-12.01
		For >25 To 50, Deduct	-30.03
		For >50 To 100, Deduct	-48.04
		For >100, Deduct	-72.06
32 93 83 00-0064	EA	25 Gallon Container Shrub Planting	307.64
		For >10 To 25, Deduct	-15.38
		For >25 To 50, Deduct	-38.46
		For >50 To 100, Deduct	-61.53
		For >100, Deduct	-92.29
32 93 83 00-0065	EA	15" Balled And Burlapped Shrub Planting	64.67
		For >10 To 25, Deduct	-3.23
		For >25 To 50, Deduct	-8.08
		For >50 To 100, Deduct	-12.93
		For >100, Deduct	-19.40

32 Exterior Improvements**32 90 Planting****32 93 Plants**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 93 83 00-0066	EA 18" Balled And Burlapped Shrub Planting	66.98	
	For >10 To 25, Deduct	-3.35	
	For >25 To 50, Deduct	-8.37	
	For >50 To 100, Deduct	-13.40	
	For >100, Deduct	-20.09	
32 93 83 00-0067	EA 24" Balled And Burlapped Shrub Planting	73.91	
	For >10 To 25, Deduct	-3.70	
	For >25 To 50, Deduct	-9.24	
	For >50 To 100, Deduct	-14.78	
	For >100, Deduct	-22.17	
32 93 83 00-0068	EA 30" Balled And Burlapped Shrub Planting	73.91	
	For >10 To 25, Deduct	-3.70	
	For >25 To 50, Deduct	-9.24	
	For >50 To 100, Deduct	-14.78	
	For >100, Deduct	-22.17	
32 93 83 00-0069	EA 36" Balled And Burlapped Shrub Planting	80.84	
	For >10 To 25, Deduct	-4.04	
	For >25 To 50, Deduct	-10.11	
	For >50 To 100, Deduct	-16.17	
	For >100, Deduct	-24.25	
32 93 83 00-0070	EA 42" Balled And Burlapped Shrub Planting	85.45	
	For >10 To 25, Deduct	-4.27	
	For >25 To 50, Deduct	-10.68	
	For >50 To 100, Deduct	-17.09	
	For >100, Deduct	-25.64	
32 93 83 00-0071	EA 48" Balled And Burlapped Shrub Planting	92.38	
	For >10 To 25, Deduct	-4.62	
	For >25 To 50, Deduct	-11.55	
	For >50 To 100, Deduct	-18.48	
	For >100, Deduct	-27.71	
32 93 83 00-0072	EA 5' Balled And Burlapped Shrub Planting	138.58	
	For >10 To 25, Deduct	-6.93	
	For >25 To 50, Deduct	-17.32	
	For >50 To 100, Deduct	-27.72	
	For >100, Deduct	-41.57	
32 93 83 00-0073	EA 6' Balled And Burlapped Shrub Planting	196.32	
	For >10 To 25, Deduct	-9.82	
	For >25 To 50, Deduct	-24.54	
	For >50 To 100, Deduct	-39.26	
	For >100, Deduct	-58.90	
32 93 83 00-0074	EA 7' Balled And Burlapped Shrub Planting	260.99	
	For >10 To 25, Deduct	-13.05	
	For >25 To 50, Deduct	-32.62	
	For >50 To 100, Deduct	-52.20	
	For >100, Deduct	-78.30	
32 93 83 00-0075	EA 8' Balled And Burlapped Shrub Planting	295.63	
	For >10 To 25, Deduct	-14.78	
	For >25 To 50, Deduct	-36.95	
	For >50 To 100, Deduct	-59.13	
	For >100, Deduct	-88.69	
32 93 83 00-0076	EA 9' Balled And Burlapped Shrub Planting	318.73	
	For >10 To 25, Deduct	-15.94	
	For >25 To 50, Deduct	-39.84	
	For >50 To 100, Deduct	-63.75	
	For >100, Deduct	-95.62	
32 93 83 00-0077	EA 10' Balled And Burlapped Shrub Planting	346.44	
	For >10 To 25, Deduct	-17.32	
	For >25 To 50, Deduct	-43.31	
	For >50 To 100, Deduct	-69.29	
	For >100, Deduct	-103.93	

32 93 83 00-0078 Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 83)

See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0079	EA 2-1/4" Diameter Potted Groundcover And Flower Planting	1.93	
	For >10 To 25, Deduct	-0.10	
	For >25 To 50, Deduct	-0.24	
	For >50 To 100, Deduct	-0.39	
	For >100, Deduct	-0.58	
32 93 83 00-0080	EA 3" Diameter Potted Groundcover And Flower Planting	2.20	
	For >10 To 25, Deduct	-0.11	
	For >25 To 50, Deduct	-0.28	
	For >50 To 100, Deduct	-0.44	
	For >100, Deduct	-0.66	
32 93 83 00-0081	EA 4" Diameter Potted Groundcover And Flower Planting	2.57	
	For >10 To 25, Deduct	-0.13	
	For >25 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-0.51	
	For >100, Deduct	-0.77	
32 93 83 00-0082	EA 5-1/2" Diameter Potted Groundcover And Flower Planting	3.08	
	For >10 To 25, Deduct	-0.15	
	For >25 To 50, Deduct	-0.39	
	For >50 To 100, Deduct	-0.62	
	For >100, Deduct	-0.92	
32 93 83 00-0083	EA 6" Diameter Potted Groundcover And Flower Planting	3.85	
	For >10 To 25, Deduct	-0.19	
	For >25 To 50, Deduct	-0.48	
	For >50 To 100, Deduct	-0.77	
	For >100, Deduct	-1.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0084	EA		8" Diameter Potted Groundcover And Flower Planting	5.77	
			For >10 To 25, Deduct	-0.29	
			For >25 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.15	
			For >100, Deduct	-1.73	
32 93 83 00-0085	EA		1 Gallon Container Groundcover And Flower Planting	18.47	
			For >10 To 25, Deduct	-0.92	
			For >25 To 50, Deduct	-2.31	
			For >50 To 100, Deduct	-3.69	
			For >100, Deduct	-5.54	
32 93 83 00-0086	EA		2 Gallon Container Groundcover And Flower Planting	25.41	
			For >10 To 25, Deduct	-1.27	
			For >25 To 50, Deduct	-3.18	
			For >50 To 100, Deduct	-5.08	
			For >100, Deduct	-7.62	
32 93 83 00-0087	EA		3 Gallon Container Groundcover And Flower Planting	32.33	
			For >10 To 25, Deduct	-1.62	
			For >25 To 50, Deduct	-4.04	
			For >50 To 100, Deduct	-6.47	
			For >100, Deduct	-9.70	
32 93 83 00-0088	EA		4 Gallon Container Groundcover And Flower Planting	41.57	
			For >10 To 25, Deduct	-2.08	
			For >25 To 50, Deduct	-5.20	
			For >50 To 100, Deduct	-8.31	
			For >100, Deduct	-12.47	
32 93 83 00-0089	EA		5 Gallon Container Groundcover And Flower Planting	50.81	
			For >10 To 25, Deduct	-2.54	
			For >25 To 50, Deduct	-6.35	
			For >50 To 100, Deduct	-10.16	
			For >100, Deduct	-15.24	
32 93 83 00-0090	EA		7 Gallon Container Groundcover And Flower Planting	69.29	
			For >10 To 25, Deduct	-3.46	
			For >25 To 50, Deduct	-8.66	
			For >50 To 100, Deduct	-13.86	
			For >100, Deduct	-20.79	
32 93 83 00-0091	EA		Bulb Planting.....	1.15	
			For >10 To 25, Deduct	-0.06	
			For >25 To 50, Deduct	-0.14	
			For >50 To 100, Deduct	-0.23	
			For >100, Deduct	-0.35	
32 93 83 00-0092	EA		Flats Of 24 Groundcover And Flower Planting	32.34	
			For >10 To 25, Deduct	-1.62	
			For >25, Deduct	-4.04	
32 93 83 00-0093	EA		Flats Of 36 Groundcover And Flower Planting	45.87	
			For >10 To 25, Deduct	-2.29	
			For >25, Deduct	-5.73	
32 93 83 00-0094	EA		Flats Of 48 Groundcover And Flower Planting	61.06	
			For >10 To 25, Deduct	-3.05	
			For >25, Deduct	-7.63	

32 94 Planting Accessories (32 90)

32 94 13 Landscape Edging (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	10.34	2.80
32 94 13 00-0003	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	11.32	2.80
32 94 13 00-0004	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	11.39	2.80
32 94 13 00-0005	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	13.09	2.89
32 94 13 00-0006	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	14.30	2.89
32 94 13 00-0007	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	14.28	2.89
32 94 13 00-0008	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	11.63	2.98
32 94 13 00-0009	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	12.98	2.98
32 94 13 00-0010	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	13.11	2.98
32 94 13 00-0011	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	14.78	3.08
32 94 13 00-0012	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	16.13	3.08
32 94 13 00-0013	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	16.24	3.08
32 94 13 00-0014	LF	3/16" x 4" Powder Coated Steel Landscape Edging	13.00	2.89
32 94 13 00-0015	LF	1/4" x 5" Powder Coated Steel Landscape Edging	18.32	2.89

32 94 13 00-0016 Concrete Band, Cast In Place (32 94 13)

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 94 13 00-0017	LF	6" x 4" Concrete Band	20.27	10.34
		Note: Excludes base course.		
		For Up To 20, Add	12.16	
		For >20 To 50, Add	6.89	
		For >50 To 100, Add	2.63	
		For >500 To 1,000, Deduct	-2.63	
		For >1,000, Deduct	-4.46	
32 94 13 00-0018	LF	6" x 6" Concrete Band	24.07	12.16
		Note: Excludes base course.		
		For Up To 20, Add	14.54	
		For >20 To 50, Add	8.24	
		For >50 To 100, Add	3.15	
		For >500 To 1,000, Deduct	-3.15	
		For >1,000, Deduct	-5.32	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0019	LF		8" x 6" Concrete Band..... Note: Excludes base course.	27.69	139.84
			For Up To 20, Add	16.79	
			For >20 To 50, Add	9.52	
			For >50 To 100, Add	3.63	
			For >500 To 1,000, Deduct	-3.63	
			For >1,000, Deduct	-6.14	
32 94 13 00-0020	LF		10" x 6" Concrete Band..... Note: Excludes base course.	30.67	152.00
			For Up To 20, Add	18.60	
			For >20 To 50, Add	10.55	
			For >50 To 100, Add	4.03	
			For >500 To 1,000, Deduct	-4.03	
			For >1,000, Deduct	-6.81	
32 94 13 00-0021	LF		12" x 6" Concrete Band..... Note: Excludes base course.	31.84	15.81
			For Up To 20, Add	19.13	
			For >20 To 50, Add	10.84	
			For >50 To 100, Add	4.15	
			For >500 To 1,000, Deduct	-4.15	
			For >1,000, Deduct	-7.01	

32 94 16 Landscape Timbers (32 94)

32 94 16 00-0001	LF		6" x 8" Railroad Ties	16.73	5.51
32 94 16 00-0002	LF		7" x 9" Railroad Ties	20.17	6.92
32 94 16 00-0003	LF		1" x 4" Redwood	5.81	1.95
32 94 16 00-0004	LF		2" x 4" Redwood Edging.....	7.98	2.93
32 94 16 00-0005	LF		4" x 6" Pressure Treated Hardwood.....	11.02	3.90
32 94 16 00-0006	LF		6" x 6" Pressure Treated Hardwood.....	14.34	4.88
32 94 16 00-0007	LF		6" x 8" Pressure Treated Hardwood.....	16.72	5.72
32 94 16 00-0008	LF		1" x 4" Pressure Treated Pine.....	4.44	1.95
32 94 16 00-0009	LF		2" x 4" Pressure Treated Pine.....	6.73	2.93
32 94 16 00-0010	LF		4" x 6" Pressure Treated Pine.....	10.48	3.77
32 94 16 00-0011	LF		6" x 6" Pressure Treated Pine.....	14.23	4.88
32 94 16 00-0012	LF		6" x 8" Pressure Treated Pine.....	17.36	5.72

32 94 43 Tree Grates (32 94)**32 94 43 00-0001 Tree Grates With Frames (32 94 43)****32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)**

32 94 43 00-0003	EA		32" Diameter, 100 To 150 Lb., Cast Iron Tree Grate With Frame.....	1,103.11	73.11
			For >3 To 9, Deduct	-71.77	
			For >9, Deduct	-148.32	
32 94 43 00-0004	EA		36" Diameter, 125 To 175 Lb., Cast Iron Tree Grate With Frame.....	1,277.07	73.11
			For >3 To 9, Deduct	-84.81	
			For >9, Deduct	-175.28	
32 94 43 00-0005	EA		42" Diameter, 150 To 200 Lb., Cast Iron Tree Grate With Frame.....	1,543.28	97.48
			For >3 To 9, Deduct	-101.12	
			For >9, Deduct	-208.99	
32 94 43 00-0006	EA		48" Diameter, 200 To 250 Lb., Cast Iron Tree Grate With Frame.....	1,921.94	97.48
			For >3 To 9, Deduct	-129.52	
			For >9, Deduct	-267.68	
32 94 43 00-0007	EA		54" Diameter, 300 To 350 Lb., Cast Iron Tree Grate With Frame.....	2,464.47	121.85
			For >3 To 9, Deduct	-166.56	
			For >9, Deduct	-344.22	
32 94 43 00-0008	EA		60" Diameter, Up To 350 Lb., Cast Iron Tree Grate With Frame	2,584.84	146.21
			For >3 To 9, Deduct	-171.93	
			For >9, Deduct	-355.33	
32 94 43 00-0009	EA		60" Diameter, >350 Lb., Cast Iron Tree Grate With Frame.....	2,848.36	146.21
			For >3 To 9, Deduct	-191.70	
			For >9, Deduct	-396.17	
32 94 43 00-0010	EA		72" Diameter, Up To 550 Lb., Cast Iron Tree Grate With Frame	3,791.49	207.14
			For >3 To 9, Deduct	-253.29	
			For >9, Deduct	-523.47	
32 94 43 00-0011	EA		72" Diameter, >500 To 550 Lb., Cast Iron Tree Grate With Frame.....	3,945.00	207.14
			For >3 To 9, Deduct	-264.80	
			For >9, Deduct	-547.26	
32 94 43 00-0012	EA		72" Diameter, >600 To 650 Lb., Cast Iron Tree Grate With Frame.....	4,072.93	207.14
			For >3 To 9, Deduct	-274.40	
			For >9, Deduct	-567.09	
32 94 43 00-0013	EA		72" Diameter, >650 To 700 Lb., Cast Iron Tree Grate With Frame.....	4,175.27	207.14
			For >3 To 9, Deduct	-282.08	
			For >9, Deduct	-582.96	
32 94 43 00-0014	EA		72" Diameter, >700 Lb., Cast Iron Tree Grate With Frame.....	4,252.02	207.14
			For >3 To 9, Deduct	-287.83	
			For >9, Deduct	-594.85	
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 Lb., Cast Iron Tree Grate With Frame.....	4,662.85	243.69
			For >3 To 9, Deduct	-313.16	
			For >9, Deduct	-647.20	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0017	EA		30" x 30", 75 To 125 Lb., Cast Iron Tree Grate With Frame	1,016.10	73.11
			For >3 To 9, Deduct	-65.24	
			For >9, Deduct	-134.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0018	EA		36" x 36", 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,233.57	73.11
			For >3 To 9, Deduct	-81.55	
			For >9, Deduct	-168.54	
32 94 43 00-0019	EA		48" x 48", Up To 200 Lb., Cast Iron Tree Grate With Frame	1,829.96	121.85
			For >3 To 9, Deduct	-118.97	
			For >9, Deduct	-245.87	
32 94 43 00-0020	EA		48" x 48", >200 To 250 Lb., Cast Iron Tree Grate With Frame	2,162.57	121.85
			For >3 To 9, Deduct	-143.92	
			For >9, Deduct	-297.43	
32 94 43 00-0021	EA		48" x 48", >250 To 300 Lb., Cast Iron Tree Grate With Frame	2,469.59	121.85
			For >3 To 9, Deduct	-166.94	
			For >9, Deduct	-345.01	
32 94 43 00-0022	EA		48" x 48", >300 To 350 Lb., Cast Iron Tree Grate With Frame	2,751.02	121.85
			For >3 To 9, Deduct	-188.05	
			For >9, Deduct	-388.64	
32 94 43 00-0023	EA		48" x 48", >350 To 400 Lb., Cast Iron Tree Grate With Frame	3,006.87	121.85
			For >3 To 9, Deduct	-207.24	
			For >9, Deduct	-428.29	
32 94 43 00-0024	EA		48" x 48", >400 Lb., Cast Iron Tree Grate With Frame	3,237.13	121.85
			For >3 To 9, Deduct	-224.51	
			For >9, Deduct	-463.98	
32 94 43 00-0025	EA		60" x 60", Up To 400 Lb., Cast Iron Tree Grate With Frame	3,104.35	170.58
			For >3 To 9, Deduct	-207.24	
			For >9, Deduct	-428.29	
32 94 43 00-0026	EA		60" x 60", >400 To 450 Lb., Cast Iron Tree Grate With Frame	3,334.61	170.58
			For >3 To 9, Deduct	-224.51	
			For >9, Deduct	-463.98	
32 94 43 00-0027	EA		60" x 60", >450 To 500 Lb., Cast Iron Tree Grate With Frame	3,539.29	170.58
			For >3 To 9, Deduct	-239.86	
			For >9, Deduct	-495.71	
32 94 43 00-0028	EA		60" x 60", >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,718.39	170.58
			For >3 To 9, Deduct	-253.29	
			For >9, Deduct	-523.47	
32 94 43 00-0029	EA		60" x 60", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,871.90	170.58
			For >3 To 9, Deduct	-264.80	
			For >9, Deduct	-547.26	
32 94 43 00-0030	EA		60" x 60", >600 Lb., Cast Iron Tree Grate With Frame	3,999.83	170.58
			For >3 To 9, Deduct	-274.40	
			For >9, Deduct	-567.09	
32 94 43 00-0031	EA		72" x 72", Up To 550 Lb., Cast Iron Tree Grate With Frame	3,791.49	207.14
			For >3 To 9, Deduct	-253.29	
			For >9, Deduct	-523.47	
32 94 43 00-0032	EA		72" x 72", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,945.00	207.14
			For >3 To 9, Deduct	-264.80	
			For >9, Deduct	-547.26	
32 94 43 00-0033	EA		72" x 72", >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,072.93	207.14
			For >3 To 9, Deduct	-274.40	
			For >9, Deduct	-567.09	
32 94 43 00-0034	EA		72" x 72", >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,175.27	207.14
			For >3 To 9, Deduct	-282.08	
			For >9, Deduct	-582.96	
32 94 43 00-0035	EA		72" x 72", >700 To 750 Lb., Cast Iron Tree Grate With Frame	4,252.02	207.14
			For >3 To 9, Deduct	-287.83	
			For >9, Deduct	-594.85	
32 94 43 00-0036	EA		72" x 72", >750 To 800 Lb., Cast Iron Tree Grate With Frame	4,303.19	207.14
			For >3 To 9, Deduct	-291.67	
			For >9, Deduct	-602.78	
32 94 43 00-0037	EA		72" x 72", >800 To 850 Lb., Cast Iron Tree Grate With Frame	4,328.77	207.14
			For >3 To 9, Deduct	-293.59	
			For >9, Deduct	-606.75	
32 94 43 00-0038	EA		72" x 72", >850 Lb., Cast Iron Tree Grate With Frame	4,354.36	207.14
			For >3 To 9, Deduct	-295.51	
			For >9, Deduct	-610.71	

32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)

32 94 43 00-0040	EA		36" x 48", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,921.94	97.48
			For >3 To 9, Deduct	-129.52	
			For >9, Deduct	-267.68	
32 94 43 00-0041	EA		36" x 60", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,960.31	97.48
			For >3 To 9, Deduct	-132.40	
			For >9, Deduct	-273.63	
32 94 43 00-0042	EA		36" x 72", 275 To 325 Lb., Cast Iron Tree Grate With Frame	2,395.39	121.85
			For >3 To 9, Deduct	-161.38	
			For >9, Deduct	-333.51	
32 94 43 00-0043	EA		48" x 72", Up To 350 Lb., Cast Iron Tree Grate With Frame	2,822.66	121.85
			For >3 To 9, Deduct	-193.42	
			For >9, Deduct	-399.74	
32 94 43 00-0044	EA		48" x 72", >350 Lb., Cast Iron Tree Grate With Frame	3,006.87	121.85
			For >3 To 9, Deduct	-207.24	
			For >9, Deduct	-428.29	
32 94 43 00-0045	EA		60" x 84", 700 To 750 Lb., Cast Iron Tree Grate With Frame	4,021.75	207.14
			For >3 To 9, Deduct	-270.56	
			For >9, Deduct	-559.16	

32 94 49 Plant and Tree Accessories (32 94)

32 94 49 00-0001 Tree Guying (32 94 49)

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 94 49 00-0002		Tree Guying, Stakes (32 94 49 00-0001)	
		Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.	
32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	25.72
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	45.46
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	78.18
32 94 49 00-0006		Tree Guying, Anchors (32 94 49 00-0001)	
		Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.	
32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	108.61
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	146.58
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	187.94
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope.....	242.47
32 94 49 00-0011		Tree Wrap (32 94 49)	
32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	7.04
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	11.76
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	23.38
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	36.41
32 94 49 00-0016		Tree Guards (32 94 49)	
32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard.....	11.70
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard.....	10.72
32 94 49 00-0019		Stake Out Tree And Shrub Locations (32 94 49)	
		Note: When no design available.	
32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	7.35
32 94 49 00-0021		Root Barriers (32 94 49)	
32 94 49 00-0022	EA	12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	12.94
32 94 49 00-0023	EA	18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	18.47
32 94 49 00-0024	EA	24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	21.85
32 94 49 00-0025	EA	36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	41.24
32 94 49 00-0026	EA	48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	57.10

32 96 Transplanting (32 90)

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001		Moving Shrubs On Site, Relocate (32 96 33)	
		Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.	
32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	78.90
		For >25 To 50, Deduct	-7.89
		For >50, Deduct	-11.84
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site.....	106.74
		For >25 To 50, Deduct	-10.67
		For >50, Deduct	-16.01
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site.....	180.99
		For >25 To 50, Deduct	-18.10
		For >50, Deduct	-27.15
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site.....	278.45
		For >25 To 50, Deduct	-27.85
		For >50, Deduct	-41.77

32 96 43 Tree Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001		Moving Trees On Site, Relocate (32 96 43)	
		Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0900 for crane lifting equipment, 32 94 49 00-0001 for guying.	
32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	309.98
		For >5 To 10, Deduct	-15.50
		For >10 To 20, Deduct	-31.00
		For >20, Deduct	-46.50
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site.....	425.12
		For >5 To 10, Deduct	-21.26
		For >10 To 20, Deduct	-42.51
		For >20, Deduct	-63.77
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site.....	688.86
		For >5 To 10, Deduct	-34.44
		For >10 To 20, Deduct	-68.89
		For >20, Deduct	-103.33
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site.....	1,144.56
		For >5 To 10, Deduct	-57.23
		For >10 To 20, Deduct	-114.46
		For >20, Deduct	-171.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 43 00-0006	EA		>48" To 60" Root Ball, Move Trees On Site.....	1,859.91	
			For >5 To 10, Deduct	-93.00	
			For >10 To 20, Deduct	-185.99	
			For >20, Deduct	-278.99	
32 96 43 00-0007	EA		>60" To 72" Root Ball, Move Trees On Site.....	2,399.88	
			For >5 To 10, Deduct	-119.99	
			For >10 To 20, Deduct	-239.99	
			For >20, Deduct	-359.98	
32 96 43 00-0008	EA		>72" To 84" Root Ball, Move Trees On Site.....	3,099.85	
			For >5 To 10, Deduct	-154.99	
			For >10 To 20, Deduct	-309.99	
			For >20, Deduct	-464.98	
32 96 43 00-0009	EA		>84" To 96" Root Ball, Move Trees On Site.....	3,719.81	
			For >5 To 10, Deduct	-185.99	
			For >10 To 20, Deduct	-371.98	
			For >20, Deduct	-557.97	
32 96 43 00-0010	EA		>96" To 120" Root Ball, Move Trees On Site.....	4,227.07	
			For >5 To 10, Deduct	-211.35	
			For >10 To 20, Deduct	-422.71	
			For >20, Deduct	-634.06	

END OF SECTION 32

32	32	Exterior Improvements	
	32 90	Planting	
	32 96	Transplanting	



MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST

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		Utilities	33	CS
		Operation and Maintenance of Utilities	33 01	
		Operation and Maintenance of Water Utilities	33 01 10	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities ⁽³³⁾

33 01 10 Operation and Maintenance of Water Utilities ^(33 01)

33 01 10 54 Cleaning of Water Utility Piping ^(33 01 10)

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems ^(33 01 10)

33 01 10 58-0001 Water Main Disinfection/Sterilization ^(33 01 10 58)

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	1,076.95
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	538.48
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.41
		For >250 To 500, Deduct	-0.02
		For >500 To 1,000, Deduct	-0.04
		For >1,000 To 2,000, Deduct	-0.06
		For >2,000 To 5,000, Deduct	-0.08
		For >5,000, Deduct	-0.10
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.62
		For >250 To 500, Deduct	-0.03
		For >500 To 1,000, Deduct	-0.06
		For >1,000 To 2,000, Deduct	-0.09
		For >2,000 To 5,000, Deduct	-0.12
		For >5,000, Deduct	-0.16
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.81
		For >250 To 500, Deduct	-0.04
		For >500 To 1,000, Deduct	-0.08
		For >1,000 To 2,000, Deduct	-0.12
		For >2,000 To 5,000, Deduct	-0.16
		For >5,000, Deduct	-0.20
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.95
		For >250 To 500, Deduct	-0.05
		For >500 To 1,000, Deduct	-0.10
		For >1,000 To 2,000, Deduct	-0.14
		For >2,000 To 5,000, Deduct	-0.19
		For >5,000, Deduct	-0.24
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	1.24
		For >250 To 500, Deduct	-0.06
		For >500 To 1,000, Deduct	-0.12
		For >1,000 To 2,000, Deduct	-0.19
		For >2,000 To 5,000, Deduct	-0.25
		For >5,000, Deduct	-0.31
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.40
		For >250 To 500, Deduct	-0.07
		For >500 To 1,000, Deduct	-0.14
		For >1,000 To 2,000, Deduct	-0.21
		For >2,000 To 5,000, Deduct	-0.28
		For >5,000, Deduct	-0.35
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.61
		For >250 To 500, Deduct	-0.08
		For >500 To 1,000, Deduct	-0.16
		For >1,000 To 2,000, Deduct	-0.24
		For >2,000 To 5,000, Deduct	-0.32
		For >5,000, Deduct	-0.40
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.91
		For >250 To 500, Deduct	-0.10
		For >500 To 1,000, Deduct	-0.19
		For >1,000 To 2,000, Deduct	-0.29
		For >2,000 To 5,000, Deduct	-0.38
		For >5,000, Deduct	-0.48
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.44
		For >250 To 500, Deduct	-0.12
		For >500 To 1,000, Deduct	-0.24
		For >1,000 To 2,000, Deduct	-0.37
		For >2,000 To 5,000, Deduct	-0.49
		For >5,000, Deduct	-0.61
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.59
		For >250 To 500, Deduct	-0.18
		For >500 To 1,000, Deduct	-0.36
		For >1,000 To 2,000, Deduct	-0.54
		For >2,000 To 5,000, Deduct	-0.72
		For >5,000, Deduct	-0.90
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	4.97
		For >250 To 500, Deduct	-0.25
		For >500 To 1,000, Deduct	-0.50
		For >1,000 To 2,000, Deduct	-0.75
		For >2,000 To 5,000, Deduct	-0.99
		For >5,000, Deduct	-1.24

33 01 10 71 Relining Water Utilities Pipelines ^(33 01 10)

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 10 71-0001	Relining Underground Water Pipelines (33 01 10 71)		
	Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hour response for owners' backups.		
33 01 10 71-0002	Relining Underground Water Pipelines Set-Up And Reinsertion (33 01 10 71-0001)		
33 01 10 71-0003	EA Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	5,613.78	
33 01 10 71-0004	EA Move And Reset Up At Different Access/Location	2,245.52	
33 01 10 71-0005	Lining Pipe With Cement (33 01 10 71-0001)		
33 01 10 71-0006	LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	68.43	
	For 3/16" Thickness, Add	1.33	
	For 1/4" Thickness, Add	2.66	
33 01 10 71-0007	LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	61.00	
	For 3/16" Thickness, Add	1.33	
	For 1/4" Thickness, Add	2.66	
33 01 10 71-0008	LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	51.04	
	For 3/16" Thickness, Add	1.33	
	For 1/4" Thickness, Add	2.66	
33 01 10 71-0009	LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement	38.55	
	For 3/16" Thickness, Add	1.33	
	For 1/4" Thickness, Add	2.66	
33 01 10 71-0010	LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	71.44	
	For 3/16" Thickness, Add	1.99	
	For 1/4" Thickness, Add	3.97	
33 01 10 71-0011	LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	63.73	
	For 3/16" Thickness, Add	1.99	
	For 1/4" Thickness, Add	3.97	
33 01 10 71-0012	LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	53.44	
	For 3/16" Thickness, Add	1.99	
	For 1/4" Thickness, Add	3.97	
33 01 10 71-0013	LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement	40.77	
	For 3/16" Thickness, Add	1.99	
	For 1/4" Thickness, Add	3.97	
33 01 10 71-0014	LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	74.35	
	For 3/16" Thickness, Add	2.65	
	For 1/4" Thickness, Add	5.29	
33 01 10 71-0015	LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	66.47	
	For 3/16" Thickness, Add	2.65	
	For 1/4" Thickness, Add	5.29	
33 01 10 71-0016	LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	55.83	
	For 3/16" Thickness, Add	2.65	
	For 1/4" Thickness, Add	5.29	
33 01 10 71-0017	LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement	43.00	
	For 3/16" Thickness, Add	2.65	
	For 1/4" Thickness, Add	5.29	
33 01 10 71-0018	LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	76.65	
	For 3/16" Thickness, Add	3.32	
	For 1/4" Thickness, Add	6.63	
33 01 10 71-0019	LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	68.65	
	For 3/16" Thickness, Add	3.32	
	For 1/4" Thickness, Add	6.63	
33 01 10 71-0020	LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	57.86	
	For 3/16" Thickness, Add	3.32	
	For 1/4" Thickness, Add	6.63	
33 01 10 71-0021	LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement	45.25	
	For 3/16" Thickness, Add	3.32	
	For 1/4" Thickness, Add	6.63	
33 01 10 71-0022	LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	83.03	
	For 3/16" Thickness, Add	3.98	
	For 1/4" Thickness, Add	7.95	
33 01 10 71-0023	LF >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	74.52	
	For 3/16" Thickness, Add	3.98	
	For 1/4" Thickness, Add	7.95	
33 01 10 71-0024	LF >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	63.04	
	For 3/16" Thickness, Add	3.98	
	For 1/4" Thickness, Add	7.95	
33 01 10 71-0025	LF >5,000', 12" Pipe, 1/8" Pipe Lining With Cement	49.41	
	For 3/16" Thickness, Add	3.98	
	For 1/4" Thickness, Add	7.95	
33 01 10 71-0026	LF Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	90.62	
	For 1/4" Thickness, Add	4.42	
	For 5/16" Thickness, Add	8.85	
33 01 10 71-0027	LF >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	81.80	
	For 1/4" Thickness, Add	4.42	
	For 5/16" Thickness, Add	8.85	
33 01 10 71-0028	LF >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	69.83	
	For 1/4" Thickness, Add	4.42	
	For 5/16" Thickness, Add	8.85	
33 01 10 71-0029	LF >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	56.77	
	For 1/4" Thickness, Add	4.42	
	For 5/16" Thickness, Add	8.85	
33 01 10 71-0030	LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	95.52	
	For 1/4" Thickness, Add	5.30	
	For 5/16" Thickness, Add	10.60	
33 01 10 71-0031	LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	86.42	
	For 1/4" Thickness, Add	5.30	
	For 5/16" Thickness, Add	10.60	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0032	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	74.06	
		For 1/4" Thickness, Add	5.30	
		For 5/16" Thickness, Add	10.60	
33 01 10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	61.67	
		For 1/4" Thickness, Add	5.30	
		For 5/16" Thickness, Add	10.60	
33 01 10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	101.48	
		For 1/4" Thickness, Add	6.19	
		For 5/16" Thickness, Add	12.37	
33 01 10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	92.06	
		For 1/4" Thickness, Add	6.19	
		For 5/16" Thickness, Add	12.37	
33 01 10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	79.10	
		For 1/4" Thickness, Add	6.19	
		For 5/16" Thickness, Add	12.37	
33 01 10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	67.52	
		For 1/4" Thickness, Add	6.19	
		For 5/16" Thickness, Add	12.37	
33 01 10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	107.53	
		For 1/4" Thickness, Add	7.07	
		For 5/16" Thickness, Add	14.14	
33 01 10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	97.72	
		For 1/4" Thickness, Add	7.07	
		For 5/16" Thickness, Add	14.14	
33 01 10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	84.37	
		For 1/4" Thickness, Add	7.07	
		For 5/16" Thickness, Add	14.14	
33 01 10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	73.57	
		For 1/4" Thickness, Add	7.07	
		For 5/16" Thickness, Add	14.14	
33 01 10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	116.13	
		For 1/4" Thickness, Add	8.84	
		For 5/16" Thickness, Add	17.67	
33 01 10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	105.76	
		For 1/4" Thickness, Add	8.84	
		For 5/16" Thickness, Add	17.67	
33 01 10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	91.60	
		For 1/4" Thickness, Add	8.84	
		For 5/16" Thickness, Add	17.67	
33 01 10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	80.69	
		For 1/4" Thickness, Add	8.84	
		For 5/16" Thickness, Add	17.67	
33 01 10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	124.62	
		For 1/4" Thickness, Add	10.61	
		For 5/16" Thickness, Add	21.21	
33 01 10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	113.79	
		For 1/4" Thickness, Add	10.61	
		For 5/16" Thickness, Add	21.21	
33 01 10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	98.84	
		For 1/4" Thickness, Add	10.61	
		For 5/16" Thickness, Add	21.21	
33 01 10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	87.82	
		For 1/4" Thickness, Add	10.61	
		For 5/16" Thickness, Add	21.21	
33 01 10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	157.10	
		For 3/8" Thickness, Add	27.84	
		For 7/16" Thickness, Add	41.75	
33 01 10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	145.30	
		For 3/8" Thickness, Add	27.84	
		For 7/16" Thickness, Add	41.75	
33 01 10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	129.04	
		For 3/8" Thickness, Add	27.84	
		For 7/16" Thickness, Add	41.75	
33 01 10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	117.69	
		For 3/8" Thickness, Add	27.84	
		For 7/16" Thickness, Add	41.75	
33 01 10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	173.58	
		For 3/8" Thickness, Add	31.81	
		For 7/16" Thickness, Add	47.72	
33 01 10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	160.95	
		For 3/8" Thickness, Add	31.81	
		For 7/16" Thickness, Add	47.72	
33 01 10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	143.47	
		For 3/8" Thickness, Add	31.81	
		For 7/16" Thickness, Add	47.72	
33 01 10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	131.88	
		For 3/8" Thickness, Add	31.81	
		For 7/16" Thickness, Add	47.72	
33 01 10 71-0058	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	183.57	
		For 3/8" Thickness, Add	35.79	
		For 7/16" Thickness, Add	53.68	
33 01 10 71-0059	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	170.67	
		For 3/8" Thickness, Add	35.79	
		For 7/16" Thickness, Add	53.68	
33 01 10 71-0060	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	152.78	
		For 3/8" Thickness, Add	35.79	
		For 7/16" Thickness, Add	53.68	
33 01 10 71-0061	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	141.66	
		For 3/8" Thickness, Add	35.79	
		For 7/16" Thickness, Add	53.68	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 10 71-0062	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	193.58	
		For 3/8" Thickness, Add	39.77	
		For 7/16" Thickness, Add	59.66	
33 01 10 71-0063	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	180.46	
		For 3/8" Thickness, Add	39.77	
		For 7/16" Thickness, Add	59.66	
33 01 10 71-0064	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	162.23	
		For 3/8" Thickness, Add	39.77	
		For 7/16" Thickness, Add	59.66	
33 01 10 71-0065	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	151.44	
		For 3/8" Thickness, Add	39.77	
		For 7/16" Thickness, Add	59.66	
33 01 10 71-0066	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	203.91	
		For 3/8" Thickness, Add	43.75	
		For 7/16" Thickness, Add	65.62	
33 01 10 71-0067	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	190.52	
		For 3/8" Thickness, Add	43.75	
		For 7/16" Thickness, Add	65.62	
33 01 10 71-0068	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	172.00	
		For 3/8" Thickness, Add	43.75	
		For 7/16" Thickness, Add	65.62	
33 01 10 71-0069	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	162.00	
		For 3/8" Thickness, Add	43.75	
		For 7/16" Thickness, Add	65.62	
33 01 10 71-0070	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	214.70	
		For 3/8" Thickness, Add	47.72	
		For 7/16" Thickness, Add	71.58	
33 01 10 71-0071	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	201.08	
		For 3/8" Thickness, Add	47.72	
		For 7/16" Thickness, Add	71.58	
33 01 10 71-0072	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	182.11	
		For 3/8" Thickness, Add	47.72	
		For 7/16" Thickness, Add	71.58	
33 01 10 71-0073	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	172.67	
		For 3/8" Thickness, Add	47.72	
		For 7/16" Thickness, Add	71.58	

33 01 10 71-0074 Lining Pipe With Epoxy (33 01 10 71-0001)

33 01 10 71-0075	LF	Up To 500', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	64.70	
33 01 10 71-0076	LF	>500' To 1,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	57.88	
33 01 10 71-0077	LF	>1,000' To 5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	48.70	
33 01 10 71-0078	LF	>5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	44.13	
33 01 10 71-0079	LF	Up To 500', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	68.34	
33 01 10 71-0080	LF	>500' To 1,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	61.27	
33 01 10 71-0081	LF	>1,000' To 5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	51.79	
33 01 10 71-0082	LF	>5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	47.03	
33 01 10 71-0083	LF	Up To 500', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	71.89	
33 01 10 71-0084	LF	>500' To 1,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	64.65	
33 01 10 71-0085	LF	>1,000' To 5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	54.85	
33 01 10 71-0086	LF	>5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	50.03	
33 01 10 71-0087	LF	Up To 500', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	69.01	
33 01 10 71-0088	LF	>500' To 1,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	67.52	
33 01 10 71-0089	LF	>1,000' To 5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	57.61	
33 01 10 71-0090	LF	>5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	52.68	
33 01 10 71-0091	LF	Up To 500', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	81.63	
33 01 10 71-0092	LF	>500' To 1,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	73.79	
33 01 10 71-0093	LF	>1,000' To 5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	63.23	
33 01 10 71-0094	LF	>5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	57.90	
33 01 10 71-0095	LF	Up To 500', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	86.89	
33 01 10 71-0096	LF	>500' To 1,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	78.75	
33 01 10 71-0097	LF	>1,000' To 5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	67.76	
33 01 10 71-0098	LF	>5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	62.20	
33 01 10 71-0099	LF	Up To 500', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	92.08	
33 01 10 71-0100	LF	>500' To 1,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	83.72	
33 01 10 71-0101	LF	1,000' To 5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	72.34	
33 01 10 71-0102	LF	>5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	66.60	
33 01 10 71-0103	LF	Up To 500', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	98.28	
33 01 10 71-0104	LF	>500' To 1,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	89.60	
33 01 10 71-0105	LF	>1,000' To 5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	77.68	
33 01 10 71-0106	LF	>5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	71.82	
33 01 10 71-0107	LF	Up To 500', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	104.51	
33 01 10 71-0108	LF	>500' To 1,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	95.51	
33 01 10 71-0109	LF	>1,000' To 5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	83.20	
33 01 10 71-0110	LF	>5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	77.05	
33 01 10 71-0111	LF	Up To 500', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	113.84	
33 01 10 71-0112	LF	>500' To 1,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	104.28	
33 01 10 71-0113	LF	>1,000' To 5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	91.27	
33 01 10 71-0114	LF	>5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	84.69	
33 01 10 71-0115	LF	Up To 500', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	123.04	
33 01 10 71-0116	LF	>500' To 1,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	113.09	
33 01 10 71-0117	LF	>1,000' To 5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	99.34	
33 01 10 71-0118	LF	>5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	92.50	
33 01 10 71-0119	LF	Up To 500', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	137.27	
33 01 10 71-0120	LF	>500' To 1,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	126.41	
33 01 10 71-0121	LF	>1,000' To 5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	111.47	
33 01 10 71-0122	LF	>5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	104.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 10 71-0123	LF	Up To 500', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	151.42	
33 01 10 71-0124	LF	>500' To 1,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	139.80	
33 01 10 71-0125	LF	>1,000' To 5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	123.73	
33 01 10 71-0126	LF	>5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	115.79	
33 01 10 71-0127	LF	Up To 500', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	159.56	
33 01 10 71-0128	LF	>500' To 1,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	147.69	
33 01 10 71-0129	LF	>1,000' To 5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	131.25	
33 01 10 71-0130	LF	>5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	123.08	
33 01 10 71-0131	LF	Up To 500', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	167.69	
33 01 10 71-0132	LF	>500' To 1,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	155.62	
33 01 10 71-0133	LF	>1,000' To 5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	138.86	
33 01 10 71-0134	LF	>5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	130.18	

33 01 10 71-0135		Water House Connection (33 01 10 71-0001)		
33 01 10 71-0136	EA	Blow Out Line To Water House Connection After Lining	53.85	

33 01 20 Operation and Maintenance of Wells (33 01)

33 01 20 00-0001		Pull Submersible Well Pumps For Repair (33 01 20)		
		Note: Includes cleaning.		
33 01 20 00-0002	EA	Up To 100' Depth, Pull Submersible Well Pumps For Repair	92.40	
		Note: Includes reinstallation after repair.		
33 01 20 00-0003	EA	>100 To 200' Depth, Pull Submersible Well Pumps For Repair	123.20	
		Note: Includes reinstallation after repair.		
33 01 20 00-0004	EA	>200 To 300' Depth, Pull Submersible Well Pumps For Repair	160.16	
		Note: Includes reinstallation after repair.		
33 01 20 00-0005	EA	>300 To 400' Depth, Pull Submersible Well Pumps For Repair	209.44	
		Note: Includes reinstallation after repair.		
33 01 20 00-0006	EA	>400 To 500' Depth, Pull Submersible Well Pumps For Repair	258.72	
		Note: Includes reinstallation after repair.		
33 01 20 00-0007	EA	>500 To 600' Depth, Pull Submersible Well Pumps For Repair	295.68	
		Note: Includes reinstallation after repair.		

33 01 30 Operation and Maintenance of Sewer Utilities (33 01)

33 01 30 11 Television Inspection Of Pipelines (33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001		Remote Visual Inspection (RVI) Of Pipe Interior And Culverts (33 01 30 11)		
33 01 30 11-0002		Video Camera Set-up (33 01 30 11-0001)		
		Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet. Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).		
33 01 30 11-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	960.03	
33 01 30 11-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert	1,920.07	
33 01 30 11-0005	EA	Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,880.10	
33 01 30 11-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	480.01	
33 01 30 11-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	960.03	
33 01 30 11-0008		Video Camera Planning And Analysis Inspection (33 01 30 11-0001)		
		Note: For pipe interior and culverts.		
33 01 30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase	2.43	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.24	
		For >1,000 To 5,000, Deduct	-0.61	
		For >5,000, Deduct	-0.85	
33 01 30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase	3.25	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.33	
		For >1,000 To 5,000, Deduct	-0.81	
		For >5,000, Deduct	-1.14	
33 01 30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase	4.06	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.41	
		For >1,000 To 5,000, Deduct	-1.02	
		For >5,000, Deduct	-1.42	
33 01 30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase	5.40	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.54	
		For >1,000 To 5,000, Deduct	-1.35	
		For >5,000, Deduct	-1.89	
33 01 30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase	7.60	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.76	
		For >1,000 To 5,000, Deduct	-1.90	
		For >5,000, Deduct	-2.66	
33 01 30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase	10.14	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-1.01	
		For >1,000 To 5,000, Deduct	-2.54	
		For >5,000, Deduct	-3.55	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 01 30 11-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....	14.31	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-1.43	
		For >1,000 To 5,000, Deduct	-3.58	
		For >5,000, Deduct	-5.01	
33 01 30 11-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....	20.28	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-2.03	
		For >1,000 To 5,000, Deduct	-5.07	
		For >5,000, Deduct	-7.10	
33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)				
33 01 30 11-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	3.60	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.36	
		For >1,000 To 5,000, Deduct	-0.90	
		For >5,000, Deduct	-1.26	
33 01 30 11-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	4.80	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.48	
		For >1,000 To 5,000, Deduct	-1.20	
		For >5,000, Deduct	-1.68	
33 01 30 11-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	6.00	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.60	
		For >1,000 To 5,000, Deduct	-1.50	
		For >5,000, Deduct	-2.10	
33 01 30 11-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	8.00	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.80	
		For >1,000 To 5,000, Deduct	-2.00	
		For >5,000, Deduct	-2.80	
33 01 30 11-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	11.25	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-1.13	
		For >1,000 To 5,000, Deduct	-2.81	
		For >5,000, Deduct	-3.94	
33 01 30 11-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	15.00	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-1.50	
		For >1,000 To 5,000, Deduct	-3.75	
		For >5,000, Deduct	-5.25	
33 01 30 11-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	21.17	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-2.12	
		For >1,000 To 5,000, Deduct	-5.29	
		For >5,000, Deduct	-7.41	
33 01 30 11-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	30.01	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-3.00	
		For >1,000 To 5,000, Deduct	-7.50	
		For >5,000, Deduct	-10.50	
33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts (33 01 30 11-0001)				
33 01 30 11-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.57	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.26	
		For >1,000 To 5,000, Deduct	-0.64	
		For >5,000, Deduct	-0.90	
33 01 30 11-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.43	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.34	
		For >1,000 To 5,000, Deduct	-0.86	
		For >5,000, Deduct	-1.20	
33 01 30 11-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	4.29	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.43	
		For >1,000 To 5,000, Deduct	-1.07	
		For >5,000, Deduct	-1.50	
33 01 30 11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.71	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.57	
		For >1,000 To 5,000, Deduct	-1.43	
		For >5,000, Deduct	-2.00	
33 01 30 11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	8.04	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.80	
		For >1,000 To 5,000, Deduct	-2.01	
		For >5,000, Deduct	-2.81	
33 01 30 11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	10.71	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-1.07	
		For >1,000 To 5,000, Deduct	-2.68	
		For >5,000, Deduct	-3.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0033	LF		>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase..... Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	15.13 -1.51 -3.78 -5.30	
33 01 30 11-0034	LF		>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase..... Note: CCTV inspection of pipe interior. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	21.43 -2.14 -5.36 -7.50	
33 01 30 23 Pipe Bursting (33 01 30)					
33 01 30 23-0001			Pipe Bursting (33 01 30 23) Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.		
33 01 30 23-0002			Manhole Chipping (33 01 30 23-0001) Note: For use at manholes to open holes for pipe bursting head.		
33 01 30 23-0003	EA		6" To 15" Diameter, Manhole Chipping.....	440.39	
33 01 30 23-0004	EA		>15" To 24" Diameter, Manhole Chipping.....	517.01	
33 01 30 23-0005	EA		>24" To 36" Diameter, Manhole Chipping.....	646.23	
33 01 30 23-0006			Pipe Bursting (33 01 30 23-0001) Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0051 for PE piping.		
33 01 30 23-0007			Pipe Bursting Equipment Set-up (33 01 30 23-0006)		
33 01 30 23-0008	EA		Initial Set-up And Final Equipment Removal For Up To 12" Underground Pipelines For Pipe Bursting Equipment.....	7,639.65	
33 01 30 23-0009	EA		Initial Set-up And Final Equipment Removal For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment.....	11,459.49	
33 01 30 23-0010	EA		Initial Set-up And Final Equipment Removal For > 24" To 36" Underground Pipelines For Pipe Bursting Equipment.....	19,099.14	
33 01 30 23-0011	EA		Move And Reset Up At Different Access/Location For Up To 12" Underground Pipelines For Pipe Bursting Equipment.....	2,864.87	
33 01 30 23-0012	EA		Move And Reset Up At Different Access/Location For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment.....	4,297.30	
33 01 30 23-0013	EA		Move And Reset Up At Different Access/Location For > 2" To 36" Underground Pipelines For Pipe Bursting Equipment.....	7,162.17	
33 01 30 23-0014	EA		Set Up/Move Pipe Bursting Equipment For Laterals.....	1,909.91	
33 01 30 23-0015			Pneumatic Head Pipe Bursting (33 01 30 23-0006)		
33 01 30 23-0016	LF		4" Diameter, Pneumatic Head Pipe Bursting..... For The Increase In Pipe Diameter By 1 Pipe Size, Add For >150 To 200, Add For >100 To 150, Add For >75 To 100, Add For >50 To 75, Add For >25 To 50, Add For Up To 25, Add For Bursting Polyvinyl Chloride (PVC) Pipe, Add For Bursting Ductile Iron Pipe, Add	27.34 2.17 1.30 2.60 3.91 5.21 6.94 9.55 2.17 7.23	
33 01 30 23-0017	LF		6" Diameter, Pneumatic Head Pipe Bursting..... For The Increase In Pipe Diameter By 1 Pipe Size, Add For >150 To 200, Add For >100 To 150, Add For >75 To 100, Add For >50 To 75, Add For >25 To 50, Add For Up To 25, Add For Bursting Polyvinyl Chloride (PVC) Pipe, Add For Bursting Ductile Iron Pipe, Add	31.51 2.69 1.61 3.23 4.84 6.46 8.61 11.64 2.69 8.60	
33 01 30 23-0018	LF		8" Diameter, Pneumatic Head Pipe Bursting..... For The Increase In Pipe Diameter By 1 Pipe Size, Add For >150 To 200, Add For >100 To 150, Add For >75 To 100, Add For >50 To 75, Add For >25 To 50, Add For Up To 25, Add For Bursting Polyvinyl Chloride (PVC) Pipe, Add For Bursting Ductile Iron Pipe, Add	35.43 3.18 1.91 3.62 5.73 7.64 10.18 14.00 3.18 9.90	
33 01 30 23-0019	LF		10" Diameter, Pneumatic Head Pipe Bursting..... For The Increase In Pipe Diameter By 1 Pipe Size, Add For >150 To 200, Add For >100 To 150, Add For >75 To 100, Add For >50 To 75, Add For >25 To 50, Add For Up To 25, Add For Bursting Polyvinyl Chloride (PVC) Pipe, Add For Bursting Ductile Iron Pipe, Add	40.48 3.81 2.29 4.58 6.86 9.15 12.20 16.78 3.81 11.56	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 23-0020	LF 12" Diameter, Pneumatic Head Pipe Bursting	46.29
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.54
	For >150 To 200, Add	2.72
	For >100 To 150, Add	5.45
	For >75 To 100, Add	8.17
	For >50 To 75, Add	10.89
	For >25 To 50, Add	14.52
	For Up To 25, Add	19.97
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.54
	For Bursting Ductile Iron Pipe, Add	13.48
33 01 30 23-0021	LF 15" Diameter, Pneumatic Head Pipe Bursting	51.27
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.69
	For >150 To 200, Add	2.81
	For >100 To 150, Add	5.62
	For >75 To 100, Add	8.43
	For >50 To 75, Add	11.24
	For >25 To 50, Add	14.99
	For Up To 25, Add	20.61
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.69
	For Bursting Ductile Iron Pipe, Add	14.44
33 01 30 23-0022	LF 18" Diameter, Pneumatic Head Pipe Bursting	57.11
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.42
	For >150 To 200, Add	3.25
	For >100 To 150, Add	6.50
	For >75 To 100, Add	9.75
	For >50 To 75, Add	13.00
	For >25 To 50, Add	17.33
	For Up To 25, Add	23.83
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.42
	For Bursting Ductile Iron Pipe, Add	16.36
33 01 30 23-0023	LF 21"/22" Diameter, Pneumatic Head Pipe Bursting	72.25
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.44
	For >150 To 200, Add	3.87
	For >100 To 150, Add	7.73
	For >75 To 100, Add	11.60
	For >50 To 75, Add	15.46
	For >25 To 50, Add	20.62
	For Up To 25, Add	28.35
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.44
	For Bursting Ductile Iron Pipe, Add	20.11
33 01 30 23-0024	LF 24" Diameter, Pneumatic Head Pipe Bursting	88.82
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	8.51
	For >150 To 200, Add	5.11
	For >100 To 150, Add	10.22
	For >75 To 100, Add	15.32
	For >50 To 75, Add	20.43
	For >25 To 50, Add	27.24
	For Up To 25, Add	37.46
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.51
	For Bursting Ductile Iron Pipe, Add	25.58
33 01 30 23-0025	LF 30" Diameter, Pneumatic Head Pipe Bursting	98.24
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	8.83
	For >150 To 200, Add	5.30
	For >100 To 150, Add	10.60
	For >75 To 100, Add	15.90
	For >50 To 75, Add	21.20
	For >25 To 50, Add	28.26
	For Up To 25, Add	38.86
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.83
	For Bursting Ductile Iron Pipe, Add	27.45
33 01 30 23-0026	LF 36" Diameter, Pneumatic Head Pipe Bursting	125.69
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	12.26
	For >150 To 200, Add	7.36
	For >100 To 150, Add	14.72
	For >75 To 100, Add	22.07
	For >50 To 75, Add	29.43
	For >25 To 50, Add	39.24
	For Up To 25, Add	53.96
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	12.26
	For Bursting Ductile Iron Pipe, Add	36.51

33 01 30 23-0027 Static Head Pipe Bursting (33 01 30 23-0006)

33 01 30 23-0028	LF 4" Diameter, Static Head Pipe Bursting	35.79
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.23
	For >150 To 200, Add	1.94
	For >100 To 150, Add	3.87
	For >75 To 100, Add	5.81
	For >50 To 75, Add	7.74
	For >25 To 50, Add	10.32
	For Up To 25, Add	14.20
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.23
	For Bursting Ductile Iron Pipe, Add	10.01

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0029 LF 6" Diameter, Static Head Pipe Bursting	39.99	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.75	
For >150 To 200, Add	2.25	
For >100 To 150, Add	4.50	
For >75 To 100, Add	6.75	
For >50 To 75, Add	9.00	
For >25 To 50, Add	12.00	
For Up To 25, Add	16.51	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.75	
For Bursting Ductile Iron Pipe, Add	11.40	
33 01 30 23-0030 LF 8" Diameter, Static Head Pipe Bursting	44.84	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.36	
For >150 To 200, Add	2.61	
For >100 To 150, Add	5.23	
For >75 To 100, Add	7.84	
For >50 To 75, Add	10.46	
For >25 To 50, Add	13.94	
For Up To 25, Add	19.17	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.36	
For Bursting Ductile Iron Pipe, Add	13.00	
33 01 30 23-0031 LF 10" Diameter, Static Head Pipe Bursting	51.15	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.15	
For >150 To 200, Add	3.09	
For >100 To 150, Add	6.18	
For >75 To 100, Add	9.26	
For >50 To 75, Add	12.35	
For >25 To 50, Add	16.47	
For Up To 25, Add	22.64	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.15	
For Bursting Ductile Iron Pipe, Add	15.08	
33 01 30 23-0032 LF 12" Diameter, Static Head Pipe Bursting	58.43	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.06	
For >150 To 200, Add	3.63	
For >100 To 150, Add	7.27	
For >75 To 100, Add	10.90	
For >50 To 75, Add	14.54	
For >25 To 50, Add	19.38	
For Up To 25, Add	26.65	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.06	
For Bursting Ductile Iron Pipe, Add	17.49	
33 01 30 23-0033 LF 15" Diameter, Static Head Pipe Bursting	66.76	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.62	
For >150 To 200, Add	3.97	
For >100 To 150, Add	7.95	
For >75 To 100, Add	11.92	
For >50 To 75, Add	15.89	
For >25 To 50, Add	21.19	
For Up To 25, Add	29.13	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.62	
For Bursting Ductile Iron Pipe, Add	19.55	
33 01 30 23-0034 LF 18" Diameter, Static Head Pipe Bursting	73.75	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	7.50	
For >150 To 200, Add	4.50	
For >100 To 150, Add	8.99	
For >75 To 100, Add	13.49	
For >50 To 75, Add	17.99	
For >25 To 50, Add	23.98	
For Up To 25, Add	32.98	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.50	
For Bursting Ductile Iron Pipe, Add	21.86	
33 01 30 23-0035 LF 21"/22" Diameter, Static Head Pipe Bursting	92.50	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	8.97	
For >150 To 200, Add	5.38	
For >100 To 150, Add	10.77	
For >75 To 100, Add	16.15	
For >50 To 75, Add	21.54	
For >25 To 50, Add	28.72	
For Up To 25, Add	39.48	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	8.97	
For Bursting Ductile Iron Pipe, Add	26.80	
33 01 30 23-0036 LF 24" Diameter, Static Head Pipe Bursting	118.92	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	12.28	
For >150 To 200, Add	7.37	
For >100 To 150, Add	14.73	
For >75 To 100, Add	22.10	
For >50 To 75, Add	29.46	
For >25 To 50, Add	39.28	
For Up To 25, Add	54.02	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	12.28	
For Bursting Ductile Iron Pipe, Add	35.52	
33 01 30 23-0037 LF 30" Diameter, Static Head Pipe Bursting	144.93	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	14.67	
For >150 To 200, Add	8.80	
For >100 To 150, Add	17.60	
For >75 To 100, Add	26.40	
For >50 To 75, Add	35.20	
For >25 To 50, Add	46.94	
For Up To 25, Add	64.54	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	14.67	
For Bursting Ductile Iron Pipe, Add	42.86	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 01 30 23-0038	LF 36" Diameter, Static Head Pipe Bursting	174.70		
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	18.39		
	For >150 To 200, Add	11.03		
	For >100 To 150, Add	22.07		
	For >75 To 100, Add	33.10		
	For >50 To 75, Add	44.13		
	For >25 To 50, Add	58.84		
	For Up To 25, Add	80.91		
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	18.39		
	For Bursting Ductile Iron Pipe, Add	52.68		
33 01 30 23-0039 Hydraulic Head Pipe Bursting (33 01 30 23-0006)				
33 01 30 23-0040	LF 4" Diameter, Hydraulic Head Pipe Bursting	31.20		
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.65		
	For >150 To 200, Add	1.59		
	For >100 To 150, Add	3.18		
	For >75 To 100, Add	4.77		
	For >50 To 75, Add	6.37		
	For >25 To 50, Add	8.49		
	For Up To 25, Add	11.67		
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.65		
	For Bursting Ductile Iron Pipe, Add	8.50		
33 01 30 23-0041	LF 6" Diameter, Hydraulic Head Pipe Bursting	34.92		
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.12		
	For >150 To 200, Add	1.87		
	For >100 To 150, Add	3.74		
	For >75 To 100, Add	5.61		
	For >50 To 75, Add	7.48		
	For >25 To 50, Add	9.98		
	For Up To 25, Add	13.72		
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.12		
	For Bursting Ductile Iron Pipe, Add	9.73		
33 01 30 23-0042	LF 8" Diameter, Hydraulic Head Pipe Bursting	39.19		
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.65		
	For >150 To 200, Add	2.19		
	For >100 To 150, Add	4.38		
	For >75 To 100, Add	6.57		
	For >50 To 75, Add	8.76		
	For >25 To 50, Add	11.68		
	For Up To 25, Add	16.07		
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.65		
	For Bursting Ductile Iron Pipe, Add	11.14		
33 01 30 23-0043	LF 10" Diameter, Hydraulic Head Pipe Bursting	44.74		
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.35		
	For >150 To 200, Add	2.61		
	For >100 To 150, Add	5.21		
	For >75 To 100, Add	7.82		
	For >50 To 75, Add	10.43		
	For >25 To 50, Add	13.90		
	For Up To 25, Add	19.12		
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.35		
	For Bursting Ductile Iron Pipe, Add	12.97		
33 01 30 23-0044	LF 12" Diameter, Hydraulic Head Pipe Bursting	51.15		
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.15		
	For >150 To 200, Add	3.09		
	For >100 To 150, Add	6.18		
	For >75 To 100, Add	9.26		
	For >50 To 75, Add	12.35		
	For >25 To 50, Add	16.47		
	For Up To 25, Add	22.64		
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.15		
	For Bursting Ductile Iron Pipe, Add	15.08		
33 01 30 23-0045	LF 15" Diameter, Hydraulic Head Pipe Bursting	58.31		
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.57		
	For >150 To 200, Add	3.34		
	For >100 To 150, Add	6.68		
	For >75 To 100, Add	10.02		
	For >50 To 75, Add	13.36		
	For >25 To 50, Add	17.81		
	For Up To 25, Add	24.49		
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.57		
	For Bursting Ductile Iron Pipe, Add	16.76		
33 01 30 23-0046	LF 18" Diameter, Hydraulic Head Pipe Bursting	65.16		
	For The Increase In Pipe Diameter By 1 Pipe Size, Add	6.42		
	For >150 To 200, Add	3.85		
	For >100 To 150, Add	7.71		
	For >75 To 100, Add	11.56		
	For >50 To 75, Add	15.41		
	For >25 To 50, Add	20.55		
	For Up To 25, Add	28.25		
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.42		
	For Bursting Ductile Iron Pipe, Add	19.02		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 23-0047	LF		21"/22" Diameter, Hydraulic Head Pipe Bursting	82.23	
			For The Increase In Pipe Diameter By 1 Pipe Size, Add	7.69	
			For >150 To 200, Add	4.61	
			For >100 To 150, Add	9.23	
			For >75 To 100, Add	13.84	
			For >50 To 75, Add	18.46	
			For >25 To 50, Add	24.61	
			For Up To 25, Add	33.84	
			For Bursting Polyvinyl Chloride (PVC) Pipe, Add	7.69	
			For Bursting Ductile Iron Pipe, Add	23.41	
33 01 30 23-0048	LF		24" Diameter, Hydraulic Head Pipe Bursting	106.52	
			For The Increase In Pipe Diameter By 1 Pipe Size, Add	10.73	
			For >150 To 200, Add	6.44	
			For >100 To 150, Add	12.87	
			For >75 To 100, Add	19.31	
			For >50 To 75, Add	25.74	
			For >25 To 50, Add	34.32	
			For Up To 25, Add	47.20	
			For Bursting Polyvinyl Chloride (PVC) Pipe, Add	10.73	
			For Bursting Ductile Iron Pipe, Add	31.42	
33 01 30 23-0049	LF		30" Diameter, Hydraulic Head Pipe Bursting	131.04	
			For The Increase In Pipe Diameter By 1 Pipe Size, Add	12.93	
			For >150 To 200, Add	7.76	
			For >100 To 150, Add	15.52	
			For >75 To 100, Add	23.28	
			For >50 To 75, Add	31.04	
			For >25 To 50, Add	41.38	
			For Up To 25, Add	56.90	
			For Bursting Polyvinyl Chloride (PVC) Pipe, Add	12.93	
			For Bursting Ductile Iron Pipe, Add	38.28	
33 01 30 23-0050	LF		36" Diameter, Hydraulic Head Pipe Bursting	159.34	
			For The Increase In Pipe Diameter By 1 Pipe Size, Add	16.47	
			For >150 To 200, Add	9.88	
			For >100 To 150, Add	19.76	
			For >75 To 100, Add	29.64	
			For >50 To 75, Add	39.53	
			For >25 To 50, Add	52.70	
			For Up To 25, Add	72.46	
			For Bursting Polyvinyl Chloride (PVC) Pipe, Add	16.47	
			For Bursting Ductile Iron Pipe, Add	47.62	
33 01 30 23-0051			Pipe Lining (33 01 30 23-0001)		
33 01 30 23-0052			Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining (33 01 30 23-0051)		
			Note: Per each joint.		
33 01 30 23-0053	EA		4" To 15", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	138.37	
33 01 30 23-0054	EA		>15" To 24", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	158.76	
33 01 30 23-0055	EA		>24" To 36", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	189.34	
33 01 30 23-0056			High-Density Polyethylene (HDPE) Pipe Lining, DR 17 (33 01 30 23-0051)		
			Note: Material to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0052 for pipe joint fusion.		
33 01 30 23-0057	LF		4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	4.32	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.47	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	1.27	
			For White Interior Pipe, Add	0.85	
			For Gray Interior Pipe, Add	0.65	
33 01 30 23-0058	LF		5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	5.71	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-0.71	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	1.92	
			For White Interior Pipe, Add	1.30	
			For Gray Interior Pipe, Add	0.98	
33 01 30 23-0059	LF		6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	7.43	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-1.01	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	2.74	
			For White Interior Pipe, Add	1.85	
			For Gray Interior Pipe, Add	1.40	
33 01 30 23-0060	LF		7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	8.35	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-1.17	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	3.17	
			For White Interior Pipe, Add	2.14	
			For Gray Interior Pipe, Add	1.62	
33 01 30 23-0061	LF		8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	11.40	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-1.71	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	4.64	
			For White Interior Pipe, Add	3.13	
			For Gray Interior Pipe, Add	2.37	
33 01 30 23-0062	LF		10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	16.70	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-2.65	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	7.20	
			For White Interior Pipe, Add	4.86	
			For Gray Interior Pipe, Add	3.68	
33 01 30 23-0063	LF		12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	22.74	
			For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-3.73	
			For DR 11 Polyethylene Pipe, 160 PSI, Add	10.13	
			For White Interior Pipe, Add	6.84	
			For Gray Interior Pipe, Add	5.18	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 23-0064	LF	13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	24.88	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-4.10	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	11.15	
		For White Interior Pipe, Add	7.52	
		For Gray Interior Pipe, Add	5.70	
33 01 30 23-0065	LF	14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	27.13	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-4.50	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	12.22	
		For White Interior Pipe, Add	8.25	
		For Gray Interior Pipe, Add	6.25	
33 01 30 23-0066	LF	16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	34.91	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-5.87	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	15.96	
		For White Interior Pipe, Add	10.77	
		For Gray Interior Pipe, Add	8.16	
33 01 30 23-0067	LF	18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	43.76	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-7.44	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	20.21	
		For White Interior Pipe, Add	13.64	
		For Gray Interior Pipe, Add	10.33	
33 01 30 23-0068	LF	20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	53.60	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-9.18	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	24.94	
		For White Interior Pipe, Add	16.83	
		For Gray Interior Pipe, Add	12.75	
33 01 30 23-0069	LF	22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	64.52	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-11.11	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	30.18	
		For White Interior Pipe, Add	20.36	
		For Gray Interior Pipe, Add	15.43	
33 01 30 23-0070	LF	24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	76.49	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-13.22	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	35.92	
		For White Interior Pipe, Add	24.24	
		For Gray Interior Pipe, Add	18.37	
33 01 30 23-0071	LF	26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	89.47	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-15.51	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	42.13	
		For White Interior Pipe, Add	28.43	
		For Gray Interior Pipe, Add	21.54	
33 01 30 23-0072	LF	28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	103.59	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-17.99	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	48.88	
		For White Interior Pipe, Add	32.98	
		For Gray Interior Pipe, Add	24.99	
33 01 30 23-0073	LF	30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	118.79	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-20.65	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	56.11	
		For White Interior Pipe, Add	37.86	
		For Gray Interior Pipe, Add	28.69	
33 01 30 23-0074	LF	32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	135.07	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-23.49	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	63.82	
		For White Interior Pipe, Add	43.07	
		For Gray Interior Pipe, Add	32.63	
33 01 30 23-0075	LF	34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	166.25	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-28.99	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	78.75	
		For White Interior Pipe, Add	53.15	
		For Gray Interior Pipe, Add	40.26	
33 01 30 23-0076	LF	36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	171.28	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-29.74	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	80.79	
		For White Interior Pipe, Add	54.52	
		For Gray Interior Pipe, Add	41.30	

33 01 30 23-0077 Re-Connection Of Non-Renewed Laterals (33 01 30 23-0001)

Note: Excludes earthwork excavation and backfill

33 01 30 23-0078 Re-Connection Of Laterals; Insert-A-Tee (33 01 30 23-0077)

Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0039 for hauling.

33 01 30 23-0079	EA	Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee.....	1,288.87	
		For No Excavation, Deduct	-850.58	
33 01 30 23-0080	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee.....	1,447.46	
		For No Excavation, Deduct	-956.90	
33 01 30 23-0081	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	1,527.87	
		For No Excavation, Deduct	-1,010.06	
33 01 30 23-0082	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,608.29	
		For No Excavation, Deduct	-1,063.22	
33 01 30 23-0083	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,731.17	
		For No Excavation, Deduct	-1,116.38	
33 01 30 23-0084	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,623.93	
		For No Excavation, Deduct	-1,063.22	
33 01 30 23-0085	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,706.58	
		For No Excavation, Deduct	-1,116.38	
33 01 30 23-0086	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,820.51	
		For No Excavation, Deduct	-1,169.54	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0087	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	2,086.45	
		<i>For No Excavation, Deduct</i>	-1,222.71	
33 01 30 23-0088	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	2,193.68	
		<i>For No Excavation, Deduct</i>	-1,275.87	
33 01 30 23-0089	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	2,595.93	
		<i>For No Excavation, Deduct</i>	-1,329.03	
33 01 30 23-0090 Re-Connection Of Laterals; Saddle Style (33 01 30 23-0077)				
Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high-density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0039 for hauling.				
33 01 30 23-0091	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	2,822.09	
		<i>For No Excavation, Deduct</i>	-949.31	
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	-241.20	
33 01 30 23-0092	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,108.82	
		<i>For No Excavation, Deduct</i>	-987.28	
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	-224.77	
33 01 30 23-0093	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	4,293.87	
		<i>For No Excavation, Deduct</i>	-1,025.25	
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	-73.59	
33 01 30 23-0094	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	4,521.70	
		<i>For No Excavation, Deduct</i>	-1,139.17	
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	-119.16	
33 01 30 23-0095	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	7,911.83	
		<i>For No Excavation, Deduct</i>	-1,215.11	
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	336.20	
33 01 30 23-0096	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	8,577.14	
		<i>For No Excavation, Deduct</i>	-1,348.01	
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	342.96	
33 01 30 23-0097	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	11,502.20	
		<i>For No Excavation, Deduct</i>	-1,480.92	
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	688.69	
33 01 30 23-0098	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	10,981.91	
		<i>For No Excavation, Deduct</i>	-1,670.78	
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	477.74	
33 01 30 23-0099	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	13,334.59	
		<i>For No Excavation, Deduct</i>	-1,974.56	
		<i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	618.00	
33 01 30 41 Cleaning of Sewers (33 01 30)				
33 01 30 41-0001		Pipe Line Cleaning And Flushing (33 01 30 41)		
		Note: Includes flushing. Owner provided water.		
33 01 30 41-0002		Pipe Line Cleaning (33 01 30 41-0001)		
		Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003		Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)		
		Note: Includes mobilization delivery, set-up, clean-up after use and return.		
33 01 30 41-0004	EA	Initial Set Up And Final Equipment Removal For Up To 8" Jet Cleaning	1,486.06	
33 01 30 41-0005	EA	Initial Set Up And Final Equipment Removal For >8" To 12" Jet Cleaning	2,229.10	
33 01 30 41-0006	EA	Initial Set Up And Final Equipment Removal For >12" To 30" Jet Cleaning	2,972.14	
33 01 30 41-0007	EA	Initial Set Up And Final Equipment Removal For >30" Jet Cleaning.....	3,962.84	
33 01 30 41-0008	EA	Move And Reset Up At Different Access/Location For Up To 8" Jet Cleaning.....	371.51	
33 01 30 41-0009	EA	Move And Reset Up At Different Access/Location For >8" To 12" Jet Cleaning	557.28	
33 01 30 41-0010	EA	Move And Reset Up At Different Access/Location For >12" To 30" Jet Cleaning.....	743.04	
33 01 30 41-0011	EA	Move And Reset Up At Different Access/Location For >30" Jet Cleaning	928.79	
33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)				
33 01 30 41-0013	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	4.00	
		<i>For >250 To 500, Deduct</i>	-0.20	
		<i>For >500 To 1,000, Deduct</i>	-0.40	
		<i>For >1,000 To 2,000, Deduct</i>	-0.60	
		<i>For >2,000 To 5,000, Deduct</i>	-0.80	
		<i>For >5,000, Deduct</i>	-1.00	
		<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.00	
33 01 30 41-0014	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.58	
		<i>For >250 To 500, Deduct</i>	-0.23	
		<i>For >500 To 1,000, Deduct</i>	-0.46	
		<i>For >1,000 To 2,000, Deduct</i>	-0.69	
		<i>For >2,000 To 5,000, Deduct</i>	-0.92	
		<i>For >5,000, Deduct</i>	-1.15	
		<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.44	
33 01 30 41-0015	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.38	
		<i>For >250 To 500, Deduct</i>	-0.27	
		<i>For >500 To 1,000, Deduct</i>	-0.54	
		<i>For >1,000 To 2,000, Deduct</i>	-0.81	
		<i>For >2,000 To 5,000, Deduct</i>	-1.08	
		<i>For >5,000, Deduct</i>	-1.35	
		<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	4.04	
33 01 30 41-0016	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.66	
		<i>For >250 To 500, Deduct</i>	-0.33	
		<i>For >500 To 1,000, Deduct</i>	-0.67	
		<i>For >1,000 To 2,000, Deduct</i>	-1.00	
		<i>For >2,000 To 5,000, Deduct</i>	-1.33	
		<i>For >5,000, Deduct</i>	-1.67	
		<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	5.00	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 41-0017	LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.55
	For >250 To 500, Deduct	-0.38
	For >500 To 1,000, Deduct	-0.76
	For >1,000 To 2,000, Deduct	-1.13
	For >2,000 To 5,000, Deduct	-1.51
	For >5,000, Deduct	-1.89
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.66
33 01 30 41-0018	LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	8.72
	For >250 To 500, Deduct	-0.44
	For >500 To 1,000, Deduct	-0.87
	For >1,000 To 2,000, Deduct	-1.31
	For >2,000 To 5,000, Deduct	-1.74
	For >5,000, Deduct	-2.18
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	6.54
33 01 30 41-0019	LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	10.50
	For >250 To 500, Deduct	-0.53
	For >500 To 1,000, Deduct	-1.05
	For >1,000 To 2,000, Deduct	-1.58
	For >2,000 To 5,000, Deduct	-2.10
	For >5,000, Deduct	-2.63
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	7.88
33 01 30 41-0020	LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	11.91
	For >250 To 500, Deduct	-0.60
	For >500 To 1,000, Deduct	-1.19
	For >1,000 To 2,000, Deduct	-1.79
	For >2,000 To 5,000, Deduct	-2.38
	For >5,000, Deduct	-2.98
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	8.93
33 01 30 41-0021	LF >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	14.08
	For >250 To 500, Deduct	-0.70
	For >500 To 1,000, Deduct	-1.41
	For >1,000 To 2,000, Deduct	-2.11
	For >2,000 To 5,000, Deduct	-2.82
	For >5,000, Deduct	-3.52
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	10.56
33 01 30 41-0022	LF >42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	17.69
	For >250 To 500, Deduct	-0.88
	For >500 To 1,000, Deduct	-1.77
	For >1,000 To 2,000, Deduct	-2.65
	For >2,000 To 5,000, Deduct	-3.54
	For >5,000, Deduct	-4.42
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	13.27
33 01 30 41-0023	LF >60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	20.64
	For >250 To 500, Deduct	-1.03
	For >500 To 1,000, Deduct	-2.06
	For >1,000 To 2,000, Deduct	-3.10
	For >2,000 To 5,000, Deduct	-4.13
	For >5,000, Deduct	-5.16
	For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	15.48

33 01 30 41-0024 Flushing Of Storm Water Pipelines (33 01 30 41-0002)

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

33 01 30 41-0025	LF 12" To 16" Diameter Pipe Line Flushing	1.49
	For >250 To 500, Deduct	-0.07
	For >500 To 1,000, Deduct	-0.15
	For >1,000 To 2,000, Deduct	-0.22
	For >2,000 To 5,000, Deduct	-0.30
	For >5,000, Deduct	-0.37
33 01 30 41-0026	LF >16" To 24" Diameter Pipe Line Flushing	1.71
	For >250 To 500, Deduct	-0.09
	For >500 To 1,000, Deduct	-0.17
	For >1,000 To 2,000, Deduct	-0.26
	For >2,000 To 5,000, Deduct	-0.34
	For >5,000, Deduct	-0.43
33 01 30 41-0027	LF >24" To 30" Diameter Pipe Line Flushing	2.01
	For >250 To 500, Deduct	-0.10
	For >500 To 1,000, Deduct	-0.20
	For >1,000 To 2,000, Deduct	-0.30
	For >2,000 To 5,000, Deduct	-0.40
	For >5,000, Deduct	-0.50
33 01 30 41-0028	LF >30" To 42" Diameter Pipe Line Flushing	2.31
	For >250 To 500, Deduct	-0.12
	For >500 To 1,000, Deduct	-0.23
	For >1,000 To 2,000, Deduct	-0.35
	For >2,000 To 5,000, Deduct	-0.46
	For >5,000, Deduct	-0.58
33 01 30 41-0029	LF >42" To 60" Diameter Pipe Line Flushing	3.08
	For >250 To 500, Deduct	-0.15
	For >500 To 1,000, Deduct	-0.31
	For >1,000 To 2,000, Deduct	-0.46
	For >2,000 To 5,000, Deduct	-0.62
	For >5,000, Deduct	-0.77

33 01 30 41-0030 Hydro Jet Cleaning Of Culverts (33 01 30 41-0002)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0031	LF	Jet Cleaning Of Culvert, 0-250 LF	18.49	
		For >250 To 500, Deduct	-0.92	
		For >500 To 1,000, Deduct	-1.85	
		For >1,000 To 2,000, Deduct	-2.77	
		For >2,000 To 5,000, Deduct	-3.70	
		For >5,000, Deduct	-4.62	
33 01 30 41-0032		Pipe Line Cleaning, Mechanical Method (33 01 30 41-0001)		
		Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0033	EA	Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	1,292.35	
33 01 30 41-0034	EA	Move And Reset Up At Different Access/Location.....	430.79	
33 01 30 41-0035	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	7.48	
		For >250 To 500, Deduct	-0.36	
		For >500 To 1,000, Deduct	-0.72	
		For >1,000 To 2,000, Deduct	-1.08	
		For >2,000 To 5,000, Deduct	-1.43	
		For >5,000, Deduct	-1.79	
33 01 30 41-0036	LF	6" Diameter Pipe Line Cleaning, Mechanical Method.....	9.85	
		For >250 To 500, Deduct	-0.46	
		For >500 To 1,000, Deduct	-0.92	
		For >1,000 To 2,000, Deduct	-1.38	
		For >2,000 To 5,000, Deduct	-1.85	
		For >5,000, Deduct	-2.31	
33 01 30 41-0037	LF	8" Diameter Pipe Line Cleaning, Mechanical Method.....	11.54	
		For >250 To 500, Deduct	-0.54	
		For >500 To 1,000, Deduct	-1.08	
		For >1,000 To 2,000, Deduct	-1.62	
		For >2,000 To 5,000, Deduct	-2.15	
		For >5,000, Deduct	-2.69	
33 01 30 41-0038	LF	10" Diameter Pipe Line Cleaning, Mechanical Method.....	13.35	
		For >250 To 500, Deduct	-0.62	
		For >500 To 1,000, Deduct	-1.24	
		For >1,000 To 2,000, Deduct	-1.86	
		For >2,000 To 5,000, Deduct	-2.48	
		For >5,000, Deduct	-3.11	
33 01 30 41-0039	LF	12" Diameter Pipe Line Cleaning, Mechanical Method.....	14.54	
		For >250 To 500, Deduct	-0.67	
		For >500 To 1,000, Deduct	-1.35	
		For >1,000 To 2,000, Deduct	-2.02	
		For >2,000 To 5,000, Deduct	-2.69	
		For >5,000, Deduct	-3.37	
33 01 30 41-0040	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	16.78	
		For >250 To 500, Deduct	-0.77	
		For >500 To 1,000, Deduct	-1.54	
		For >1,000 To 2,000, Deduct	-2.31	
		For >2,000 To 5,000, Deduct	-3.08	
		For >5,000, Deduct	-3.85	
33 01 30 41-0041	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	21.17	
		For >250 To 500, Deduct	-0.95	
		For >500 To 1,000, Deduct	-1.90	
		For >1,000 To 2,000, Deduct	-2.85	
		For >2,000 To 5,000, Deduct	-3.80	
		For >5,000, Deduct	-4.75	
33 01 30 41-0042	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	24.28	
		For >250 To 500, Deduct	-1.06	
		For >500 To 1,000, Deduct	-2.12	
		For >1,000 To 2,000, Deduct	-3.18	
		For >2,000 To 5,000, Deduct	-4.24	
		For >5,000, Deduct	-5.30	
33 01 30 41-0043	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	28.25	
		For >250 To 500, Deduct	-1.22	
		For >500 To 1,000, Deduct	-2.44	
		For >1,000 To 2,000, Deduct	-3.66	
		For >2,000 To 5,000, Deduct	-4.88	
		For >5,000, Deduct	-6.10	
33 01 30 41-0044	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	36.96	
		For >250 To 500, Deduct	-1.62	
		For >500 To 1,000, Deduct	-3.23	
		For >1,000 To 2,000, Deduct	-4.85	
		For >2,000 To 5,000, Deduct	-6.46	
		For >5,000, Deduct	-8.08	
33 01 30 41-0045	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method.....	42.09	
		For >250 To 500, Deduct	-1.79	
		For >500 To 1,000, Deduct	-3.59	
		For >1,000 To 2,000, Deduct	-5.38	
		For >2,000 To 5,000, Deduct	-7.18	
		For >5,000, Deduct	-8.97	
33 01 30 41-0046		Pipe Line Auguring/Rod Out Pipe (33 01 30 41-0001)		
33 01 30 41-0047	EA	Initial Set Up And Final Equipment Removal For Auguring	1,292.35	
33 01 30 41-0048	EA	Move And Reset Up At Different Location	430.79	
33 01 30 41-0049	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out.....	4.31	
		For >250 To 500, Deduct	-0.22	
		For >500 To 1,000, Deduct	-0.43	
		For >1,000 To 2,000, Deduct	-0.65	
		For >2,000 To 5,000, Deduct	-0.86	
		For >5,000, Deduct	-1.08	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 41-0050	LF	6" Diameter Pipe Line Auguring/Rod Out	5.57	
		For >250 To 500, Deduct	-0.28	
		For >500 To 1,000, Deduct	-0.56	
		For >1,000 To 2,000, Deduct	-0.84	
		For >2,000 To 5,000, Deduct	-1.11	
		For >5,000, Deduct	-1.39	
33 01 30 41-0051	LF	8" Diameter Pipe Line Auguring/Rod Out	6.46	
		For >250 To 500, Deduct	-0.32	
		For >500 To 1,000, Deduct	-0.65	
		For >1,000 To 2,000, Deduct	-0.97	
		For >2,000 To 5,000, Deduct	-1.29	
		For >5,000, Deduct	-1.62	
33 01 30 41-0052	LF	10" Diameter Pipe Line Auguring/Rod Out	7.51	
		For >250 To 500, Deduct	-0.38	
		For >500 To 1,000, Deduct	-0.75	
		For >1,000 To 2,000, Deduct	-1.13	
		For >2,000 To 5,000, Deduct	-1.50	
		For >5,000, Deduct	-1.88	
33 01 30 41-0053	LF	12" Diameter Pipe Line Auguring/Rod Out	8.07	
		For >250 To 500, Deduct	-0.40	
		For >500 To 1,000, Deduct	-0.81	
		For >1,000 To 2,000, Deduct	-1.21	
		For >2,000 To 5,000, Deduct	-1.61	
		For >5,000, Deduct	-2.02	
33 01 30 41-0054	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out	9.23	
		For >250 To 500, Deduct	-0.46	
		For >500 To 1,000, Deduct	-0.92	
		For >1,000 To 2,000, Deduct	-1.38	
		For >2,000 To 5,000, Deduct	-1.85	
		For >5,000, Deduct	-2.31	
33 01 30 41-0055	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	11.34	
		For >250 To 500, Deduct	-0.57	
		For >500 To 1,000, Deduct	-1.13	
		For >1,000 To 2,000, Deduct	-1.70	
		For >2,000 To 5,000, Deduct	-2.27	
		For >5,000, Deduct	-2.84	
33 01 30 41-0056	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	12.67	
		For >250 To 500, Deduct	-0.63	
		For >500 To 1,000, Deduct	-1.27	
		For >1,000 To 2,000, Deduct	-1.90	
		For >2,000 To 5,000, Deduct	-2.53	
		For >5,000, Deduct	-3.17	
33 01 30 41-0057	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	14.69	
		For >250 To 500, Deduct	-0.73	
		For >500 To 1,000, Deduct	-1.47	
		For >1,000 To 2,000, Deduct	-2.20	
		For >2,000 To 5,000, Deduct	-2.94	
		For >5,000, Deduct	-3.67	
33 01 30 41-0058	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	20.20	
		For >250 To 500, Deduct	-1.01	
		For >500 To 1,000, Deduct	-2.02	
		For >1,000 To 2,000, Deduct	-3.03	
		For >2,000 To 5,000, Deduct	-4.04	
		For >5,000, Deduct	-5.05	
33 01 30 41-0059	LF	>60" Diameter Pipe Line Auguring/Rod Out	21.53	
		For >250 To 500, Deduct	-1.08	
		For >500 To 1,000, Deduct	-2.15	
		For >1,000 To 2,000, Deduct	-3.23	
		For >2,000 To 5,000, Deduct	-4.31	
		For >5,000, Deduct	-5.38	

33 01 30 42 Cleaning of Manholes (33 01 30)**33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)**

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)

33 01 30 42-0003	EA	Rod Out Waste Water Drain	56.79	
33 01 30 42-0004	EA	Rod Out Sewer Catch Basin	113.59	
33 01 30 42-0005	EA	Up To 6" Diameter Pipe, Rod Out Blockage	22.72	
33 01 30 42-0006	EA	8" Diameter Pipe, Rod Out Blockage	24.99	
33 01 30 42-0007	EA	10" Diameter Pipe, Rod Out Blockage	28.39	
33 01 30 42-0008	EA	12" Diameter Pipe, Rod Out Blockage	32.94	
33 01 30 42-0009	EA	>12" To 16" Diameter Pipe, Rod Out Blockage	38.62	
33 01 30 42-0010	EA	>16" To 24" Diameter Pipe, Rod Out Blockage	45.43	
33 01 30 42-0011	EA	>24" To 30" Diameter Pipe, Rod Out Blockage	53.38	
33 01 30 42-0012	EA	>30" To 42" Diameter Pipe, Rod Out Blockage	61.33	
33 01 30 42-0013	EA	>42" To 60" Diameter Pipe, Rod Out Blockage	71.56	
33 01 30 42-0014	EA	>60" Diameter Pipe, Rod Out Blockage	85.18	
33 01 30 42-0015	EA	Clean Out Debris From Entrance To Inlet Structure	283.97	
33 01 30 42-0016	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	923.85	
		For >10 To 100, Deduct	-138.58	
		For >100 To 250, Deduct	-207.87	
		For >250, Deduct	-277.16	
33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	1,108.62	
		For >10 To 100, Deduct	-166.29	
		For >100 To 250, Deduct	-249.44	
		For >250, Deduct	-332.59	

				Utilities	33	CS
				Operation and Maintenance of Utilities	33 01	
				Operation and Maintenance of Sewer Utilities	33 01 30	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
				UNIT COST	UNIT COST	
33 01 30 42-0018	EA		Clean Out Blocked Catch Basin By Hand.....	554.31		
			For >10 To 100, Deduct	-83.15		
			For >100 To 250, Deduct	-124.72		
			For >250, Deduct	-166.29		
33 01 30 42-0019			Cleaning Manholes And Drainage Structures With Jet/Vacuum (33 01 30 42-0001)			
			Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.			
33 01 30 42-0020	EA		Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes.....	302.14		
33 01 30 42-0021	EA		Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes.....	280.87		
33 01 30 42-0022	EA		Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes.....	259.62		
33 01 30 42-0023	EA		Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes.....	238.37		
33 01 30 42-0024	EA		Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes.....	217.11		
33 01 30 42-0025	EA		Jet/Vacuum Clean >250 Catch Basins Or Manholes.....	195.85		
33 01 30 43			Removal of Protruding Service Connection (33 01 30)			
33 01 30 43-0001			Trim Protruding Service Taps (33 01 30 43)			
33 01 30 43-0002	EA		Trim Protruding Service Tap, 4", Robotic.....	781.77		
33 01 30 43-0003	EA		Trim Protruding Service Tap, 6", Robotic.....	859.96		
33 01 30 43-0004	EA		Trim Protruding Service Tap, 8", Robotic.....	938.14		
33 01 30 51			Maintenance of Utilities (33 01 30)			
33 01 30 51-0001			Pipe Repair (33 01 30 51)			
			Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.			
33 01 30 51-0002			Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)			
			Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.			
33 01 30 51-0003	EA		2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	132.54		
			For Stainless Steel Nuts And Bolts, Add	20.64		
33 01 30 51-0004	EA		2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	187.11		
			For Stainless Steel Nuts And Bolts, Add	31.10		
33 01 30 51-0005	EA		2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	215.69		
			For Stainless Steel Nuts And Bolts, Add	36.63		
33 01 30 51-0006	EA		2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	245.46		
			For Stainless Steel Nuts And Bolts, Add	42.14		
33 01 30 51-0007	EA		2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	142.85		
			For Stainless Steel Nuts And Bolts, Add	22.41		
33 01 30 51-0008	EA		2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	198.79		
			For Stainless Steel Nuts And Bolts, Add	33.19		
33 01 30 51-0009	EA		2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	227.45		
			For Stainless Steel Nuts And Bolts, Add	38.59		
33 01 30 51-0010	EA		2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	262.46		
			For Stainless Steel Nuts And Bolts, Add	45.15		
33 01 30 51-0011	EA		3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	153.31		
			For Stainless Steel Nuts And Bolts, Add	24.52		
33 01 30 51-0012	EA		3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	206.65		
			For Stainless Steel Nuts And Bolts, Add	34.70		
33 01 30 51-0013	EA		3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	238.51		
			For Stainless Steel Nuts And Bolts, Add	40.68		
33 01 30 51-0014	EA		3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	277.45		
			For Stainless Steel Nuts And Bolts, Add	48.30		
33 01 30 51-0015	EA		4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	172.56		
			For Stainless Steel Nuts And Bolts, Add	27.88		
33 01 30 51-0016	EA		4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	227.42		
			For Stainless Steel Nuts And Bolts, Add	37.53		
33 01 30 51-0017	EA		4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	275.67		
			For Stainless Steel Nuts And Bolts, Add	45.68		
33 01 30 51-0018	EA		4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	332.05		
			For Stainless Steel Nuts And Bolts, Add	55.11		
33 01 30 51-0019	EA		4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	432.77		
			For Stainless Steel Nuts And Bolts, Add	74.02		
33 01 30 51-0020	EA		4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	537.81		
			For Stainless Steel Nuts And Bolts, Add	92.93		
33 01 30 51-0021	EA		4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	655.68		
			For Stainless Steel Nuts And Bolts, Add	113.99		
33 01 30 51-0022	EA		6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	202.76		
			For Stainless Steel Nuts And Bolts, Add	32.90		
33 01 30 51-0023	EA		6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	268.68		
			For Stainless Steel Nuts And Bolts, Add	44.63		
33 01 30 51-0024	EA		6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	318.39		
			For Stainless Steel Nuts And Bolts, Add	52.62		
33 01 30 51-0025	EA		6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	373.37		
			For Stainless Steel Nuts And Bolts, Add	61.15		
33 01 30 51-0026	EA		6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	514.26		
			For Stainless Steel Nuts And Bolts, Add	88.61		
33 01 30 51-0027	EA		6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	625.08		
			For Stainless Steel Nuts And Bolts, Add	108.06		
33 01 30 51-0028	EA		6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	746.54		
			For Stainless Steel Nuts And Bolts, Add	129.12		
33 01 30 51-0029	EA		8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....	266.68		
			For Stainless Steel Nuts And Bolts, Add	39.36		

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
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33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	345.88
		<i>For Stainless Steel Nuts And Bolts, Add</i>	52.08
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	417.35
		<i>For Stainless Steel Nuts And Bolts, Add</i>	63.02
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	498.52
		<i>For Stainless Steel Nuts And Bolts, Add</i>	75.10
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	658.99
		<i>For Stainless Steel Nuts And Bolts, Add</i>	104.04
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	788.18
		<i>For Stainless Steel Nuts And Bolts, Add</i>	124.41
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	934.08
		<i>For Stainless Steel Nuts And Bolts, Add</i>	146.43
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	311.00
		<i>For Stainless Steel Nuts And Bolts, Add</i>	47.90
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	416.49
		<i>For Stainless Steel Nuts And Bolts, Add</i>	66.26
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	490.92
		<i>For Stainless Steel Nuts And Bolts, Add</i>	77.47
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	601.76
		<i>For Stainless Steel Nuts And Bolts, Add</i>	95.82
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	787.26
		<i>For Stainless Steel Nuts And Bolts, Add</i>	129.97
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	897.95
		<i>For Stainless Steel Nuts And Bolts, Add</i>	145.27
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,152.18
		<i>For Stainless Steel Nuts And Bolts, Add</i>	191.65
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	354.36
		<i>For Stainless Steel Nuts And Bolts, Add</i>	54.03
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	461.75
		<i>For Stainless Steel Nuts And Bolts, Add</i>	71.86
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	557.24
		<i>For Stainless Steel Nuts And Bolts, Add</i>	86.96
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	684.80
		<i>For Stainless Steel Nuts And Bolts, Add</i>	108.06
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	878.54
		<i>For Stainless Steel Nuts And Bolts, Add</i>	142.72
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,034.00
		<i>For Stainless Steel Nuts And Bolts, Add</i>	166.67
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,311.05
		<i>For Stainless Steel Nuts And Bolts, Add</i>	216.11

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands (33 01 30 51-0001)

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	773.89
		<i>For Stainless Steel Nuts And Bolts, Add</i>	207.89
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,094.47
		<i>For Stainless Steel Nuts And Bolts, Add</i>	300.12
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,472.36
		<i>For Stainless Steel Nuts And Bolts, Add</i>	407.00
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,161.94
		<i>For Stainless Steel Nuts And Bolts, Add</i>	613.43
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	812.34
		<i>For Stainless Steel Nuts And Bolts, Add</i>	218.12
33 01 30 51-0056	EA	15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,145.78
		<i>For Stainless Steel Nuts And Bolts, Add</i>	314.03
33 01 30 51-0057	EA	15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,537.76
		<i>For Stainless Steel Nuts And Bolts, Add</i>	424.56
33 01 30 51-0058	EA	15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,266.52
		<i>For Stainless Steel Nuts And Bolts, Add</i>	642.70
33 01 30 51-0059	EA	15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	833.65
		<i>For Stainless Steel Nuts And Bolts, Add</i>	222.53
33 01 30 51-0060	EA	15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,173.77
		<i>For Stainless Steel Nuts And Bolts, Add</i>	319.90
33 01 30 51-0061	EA	15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,578.90
		<i>For Stainless Steel Nuts And Bolts, Add</i>	434.08
33 01 30 51-0062	EA	15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,325.32
		<i>For Stainless Steel Nuts And Bolts, Add</i>	656.60
33 01 30 51-0063	EA	16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	856.12
		<i>For Stainless Steel Nuts And Bolts, Add</i>	226.92
33 01 30 51-0064	EA	16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,205.70
		<i>For Stainless Steel Nuts And Bolts, Add</i>	326.48
33 01 30 51-0065	EA	16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,619.29
		<i>For Stainless Steel Nuts And Bolts, Add</i>	442.13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0066	EA		16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,384.40	
			For Stainless Steel Nuts And Bolts, Add.....	669.79	
33 01 30 51-0067	EA		17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	876.47	
			For Stainless Steel Nuts And Bolts, Add.....	230.58	
33 01 30 51-0068	EA		17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,233.28	
			For Stainless Steel Nuts And Bolts, Add.....	331.60	
33 01 30 51-0069	EA		17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,659.68	
			For Stainless Steel Nuts And Bolts, Add.....	450.18	
33 01 30 51-0070	EA		17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,438.22	
			For Stainless Steel Nuts And Bolts, Add.....	680.76	
33 01 30 51-0071	EA		17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	895.60	
			For Stainless Steel Nuts And Bolts, Add.....	234.25	
33 01 30 51-0072	EA		17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,261.26	
			For Stainless Steel Nuts And Bolts, Add.....	337.45	
33 01 30 51-0073	EA		17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,695.57	
			For Stainless Steel Nuts And Bolts, Add.....	457.50	
33 01 30 51-0074	EA		17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,473.42	
			For Stainless Steel Nuts And Bolts, Add.....	686.25	
33 01 30 51-0075	EA		18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	917.37	
			For Stainless Steel Nuts And Bolts, Add.....	238.81	
33 01 30 51-0076	EA		18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,294.13	
			For Stainless Steel Nuts And Bolts, Add.....	344.77	
33 01 30 51-0077	EA		18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,733.55	
			For Stainless Steel Nuts And Bolts, Add.....	465.55	
33 01 30 51-0078	EA		18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,548.43	
			For Stainless Steel Nuts And Bolts, Add.....	705.65	
33 01 30 51-0079			Repair Couplings and Fittings (33 01 30 51-0001)		
33 01 30 51-0080			Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079) Note: Includes gaskets. Dresser style 88.		
33 01 30 51-0081			Copper Compression Repair Couplings (33 01 30 51-0080)		
33 01 30 51-0082	EA		1/2" Copper Compression Repair Coupling.....	84.83	
33 01 30 51-0083	EA		3/4" Copper Compression Repair Coupling.....	98.77	
33 01 30 51-0084	EA		1" Copper Compression Repair Coupling.....	116.09	
33 01 30 51-0085	EA		1-1/4" Copper Compression Repair Coupling.....	130.65	
33 01 30 51-0086	EA		1-1/2" Copper Compression Repair Coupling.....	200.64	
33 01 30 51-0087			Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)		
33 01 30 51-0088	EA		1/2" Copper Compression Repair 90 Degree Elbow.....	101.40	
33 01 30 51-0089	EA		1" Copper Compression Repair 90 Degree Elbow.....	118.46	
33 01 30 51-0090	EA		1-1/2" Copper Compression Repair 90 Degree Elbow.....	238.31	
33 01 30 51-0091	EA		1" IPS x 1" CTS 90 Degree Plain End Street Elbow.....	96.27	
33 01 30 51-0092	EA		3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow.....	86.36	
33 01 30 51-0093	EA		1" IPS x 1" CTS 90 Degree Threaded End Street Elbow.....	101.07	
33 01 30 51-0094	EA		1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow.....	124.66	
33 01 30 51-0095			Copper Compression Repair Fitting, Tees (33 01 30 51-0080)		
33 01 30 51-0096	EA		1/2" Copper Compression Repair Tee.....	185.11	
33 01 30 51-0097	EA		3/4" Copper Compression Repair Tee.....	145.21	
33 01 30 51-0098	EA		1" Copper Compression Repair Tee.....	172.42	
33 01 30 51-0099	EA		1" F x 1" M x 1" CTS Street Tee.....	143.04	
33 01 30 51-0100			Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)		
33 01 30 51-0101	EA		3/4" M x 1/2" CTS Male Adapter.....	87.55	
33 01 30 51-0102	EA		3/4" M x 3/4" CTS Male Adapter.....	70.87	
33 01 30 51-0103	EA		1" M x 1" CTS Male Adapter.....	81.11	
33 01 30 51-0104	EA		1-1/4" M x 1" CTS Male Adapter.....	99.15	
33 01 30 51-0105	EA		1-1/4" M x 1-1/4" CTS Male Adapter.....	117.78	
33 01 30 51-0106	EA		1-1/2" M x 1" CTS Male Adapter.....	128.84	
33 01 30 51-0107			Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)		
33 01 30 51-0108	EA		3/4" M x 3/4" CTS Female Adapter.....	102.34	
33 01 30 51-0109	EA		1" M x 1" CTS Female Adapter.....	109.01	
33 01 30 51-0110			Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079) Note: Includes gaskets. Dresser style 90.		

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
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33 01 30 51-0111		Couplings For Steel Pipe, Cast Body (Compression) (33 01 30 51-0110)	
		Note: Includes gaskets.	
33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring	78.29
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring	78.34
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring	87.98
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring	97.72
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring	120.67
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring	146.98
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	80.60
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	80.90
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	88.36
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	98.91
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	124.56
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket	148.70
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	157.89
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	184.73
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	191.45
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	214.20
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket	260.84

33 01 30 51-0129		Reducing Couplings For Steel Pipe (Compression) (33 01 30 51-0110)	
		Note: Includes armored gaskets.	
33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression)	86.08
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression)	90.50
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression)	101.95
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression)	106.22
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression)	209.92
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression)	127.30
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression)	127.90
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression)	250.67
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression)	226.93
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression)	170.46
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression)	169.83

33 01 30 51-0141		Steel Compression Repair Fittings, Elbows (33 01 30 51-0110)	
		Note: Includes armored gaskets.	
33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression)	144.98
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression)	150.36
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression)	194.57
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression)	246.23
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression)	95.93
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression)	98.74
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression)	115.83
33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression)	166.57
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression)	181.48
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression)	96.25
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression)	83.35
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression)	94.05
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression)	119.08
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression)	154.62
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression)	99.60
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression)	89.61
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression)	117.32
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression)	141.28
33 01 30 51-0160	EA	2" Threaded End 90 Degree Street Elbow (Compression)	202.11

33 01 30 51-0161		Steel Compression Repair Fittings, Tees (33 01 30 51-0110)	
		Note: Includes armored gaskets.	
33 01 30 51-0162	EA	3/4" Street Tee (Compression)	103.52
33 01 30 51-0163	EA	1" Street Tee (Compression)	121.93
33 01 30 51-0164	EA	1-1/4" Street Tee (Compression)	122.06
33 01 30 51-0165	EA	1-1/2" Street Tee (Compression)	139.98
33 01 30 51-0166	EA	2" Street Tee (Compression)	215.69
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression)	120.85
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression)	126.92
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression)	158.98
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression)	186.38
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression)	187.59
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression)	156.40
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression)	209.76
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression)	240.21
33 01 30 51-0175	EA	3/4" Welding Street Tee (Compression)	194.85
33 01 30 51-0176	EA	1" Welding Street Tee (Compression)	194.22
33 01 30 51-0177	EA	1-1/4" Welding Street Tee (Compression)	207.73
33 01 30 51-0178	EA	1-1/2" Welding Street Tee (Compression)	249.57
33 01 30 51-0179	EA	2" Welding Street Tee (Compression)	337.92
33 01 30 51-0180	EA	3/4" Regular Tee (Compression)	141.72
33 01 30 51-0181	EA	1" Regular Tee (Compression)	252.18
33 01 30 51-0182	EA	1-1/4" Regular Tee (Compression)	265.57
33 01 30 51-0183	EA	1-1/2" Regular Tee (Compression)	283.49
33 01 30 51-0184	EA	2" Regular Tee (Compression)	313.26
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression)	308.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 51-0186

Steel Compression Repair Fittings, Male Adapters (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0187	EA	3/4" Male Adapter (Compression).....	95.65	
33 01 30 51-0188	EA	1" Male Adapter (Compression).....	106.33	
33 01 30 51-0189	EA	1-1/4" Male Adapter (Compression).....	139.56	
33 01 30 51-0190	EA	1-1/2" Male Adapter (Compression).....	156.83	
33 01 30 51-0191	EA	2" Male Adapter (Compression).....	176.38	
33 01 30 51-0192	EA	1" x 1-1/4" Male Adapter (Compression)	138.78	

33 01 30 51-0193

Steel Compression Repair Fittings, Line Caps (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0194	EA	3/4" Line Caps (Compression).....	51.57	
33 01 30 51-0195	EA	1" Line Caps (Compression).....	60.04	
33 01 30 51-0196	EA	1-1/4" Line Caps (Compression).....	68.64	
33 01 30 51-0197	EA	1-1/2" Line Caps (Compression).....	80.54	
33 01 30 51-0198	EA	2" Line Caps (Compression).....	99.60	

33 01 30 51-0199

Couplings For Steel Pipe (33 01 30 51-0079)

Note: Includes Buna S gasket. Dresser style 38

33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket.....	76.23	
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket.....	93.99	
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket.....	107.57	
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket.....	127.77	
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket.....	158.01	
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket.....	211.52	
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket.....	198.20	
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket.....	258.25	
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket.....	266.31	
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket.....	274.37	
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket.....	298.11	
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket.....	311.79	
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket.....	328.93	
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket.....	387.04	
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket.....	392.44	
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket.....	412.10	
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket.....	411.69	
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket.....	426.30	
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket.....	444.95	
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket.....	480.07	
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket.....	501.66	
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket.....	519.39	
33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket.....	593.35	
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket.....	695.30	
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket.....	674.56	
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket.....	890.67	
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket.....	1,031.40	
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket.....	1,235.91	
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket.....	1,360.39	
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket.....	1,468.76	
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket.....	1,847.10	
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket.....	1,943.39	

33 01 30 51-0232

Couplings For Steel Pipe (33 01 30 51-0079)

Note: Includes Buna S gasket, protected. Dresser style 38.

33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected.....	78.54	
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	93.67	
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	107.43	
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	126.70	
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	188.75	
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	184.52	
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	186.64	
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	274.37	
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	282.43	
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	290.49	
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	320.07	
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	305.86	
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	313.34	
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	415.33	
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	419.27	
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	602.09	
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	420.33	
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	441.31	
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	449.41	
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	526.95	
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	534.91	
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	547.74	
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	612.70	
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	715.45	
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	694.71	
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	910.38	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,051.55
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,266.13
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,400.69
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,509.05
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,887.40
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,983.68

33 01 30 51-0265**Couplings For Steel Pipe (33 01 30 51-0079)**

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected.....	92.87
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	108.25
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	124.54
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	148.92
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	188.75
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	224.74
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	236.71
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	274.37
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	282.43
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	290.49
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	320.07
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	348.80
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	359.72
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	415.33
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	419.27
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	465.41
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	420.33
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	441.31
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	449.41
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	526.95
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	534.91
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	547.74
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	612.70
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	715.45
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	694.71
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	910.38
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,051.55
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,235.91
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,400.69
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,509.05
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,887.40
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,983.68

33 01 30 51-0298**Couplings For Steel Pipe (33 01 30 51-0079)**

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	158.81
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	170.76
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	177.11
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	273.98
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	296.02
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	307.25
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	352.04
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	349.50
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	389.10
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	400.02
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	544.39
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	558.88
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	578.03
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	587.64
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	596.08
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	740.28
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	799.09
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	813.35
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	813.15
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	1,037.91
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,082.20
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,253.92
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,578.07
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,537.70
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,716.58
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	1,861.21
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	2,023.98

33 01 30 51-0326**Grind Offset Joint (33 01 30 51-0001)**

33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint.....	469.07
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint.....	625.42
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint.....	781.77
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint.....	938.14

33 01 30 51-0331**Pipe Plugging (33 01 30 51-0001)****33 01 30 51-0332****Gravity Bladder Type, Temporary Pipe Plugging (33 01 30 51-0331)**

Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0333	EA	3/4" Bladder Type, Temporary Pipe Plug.....	82.33	
33 01 30 51-0334	EA	1" Bladder Type, Temporary Pipe Plug.....	88.05	
33 01 30 51-0335	EA	1-1/4" Bladder Type, Temporary Pipe Plug.....	94.78	
33 01 30 51-0336	EA	1-1/2" Bladder Type, Temporary Pipe Plug.....	101.10	
33 01 30 51-0337	EA	2" Bladder Type, Temporary Pipe Plug.....	107.23	
33 01 30 51-0338	EA	2-1/2" Bladder Type, Temporary Pipe Plug.....	113.95	
33 01 30 51-0339	EA	3" Bladder Type, Temporary Pipe Plug.....	122.19	
33 01 30 51-0340	EA	4" Bladder Type, Temporary Pipe Plug.....	134.32	
33 01 30 51-0341	EA	5" Bladder Type, Temporary Pipe Plug.....	145.63	
33 01 30 51-0342	EA	6" Bladder Type, Temporary Pipe Plug.....	162.57	
33 01 30 51-0343	EA	8" Bladder Type, Temporary Pipe Plug.....	180.40	
33 01 30 51-0344	EA	10" Bladder Type, Temporary Pipe Plug.....	209.15	
33 01 30 51-0345	EA	12" Bladder Type, Temporary Pipe Plug.....	242.59	
33 01 30 51-0346	EA	14" Bladder Type, Temporary Pipe Plug.....	289.11	
33 01 30 51-0347	EA	16" Bladder Type, Temporary Pipe Plug.....	348.48	
33 01 30 51-0348	EA	18" Bladder Type, Temporary Pipe Plug.....	419.77	
33 01 30 51-0349	EA	20" Bladder Type, Temporary Pipe Plug.....	498.73	
33 01 30 51-0350	EA	24" Bladder Type, Temporary Pipe Plug.....	575.14	
33 01 30 51-0351 Hydra Stop, Hot Tapping Of Pressure Pipe (33 01 30 51-0331)				
Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.				
33 01 30 51-0352	EA	2" Hydra Stop, Line Stopper.....	2,862.87	
33 01 30 51-0353	EA	2-1/2" Hydra Stop, Line Stopper.....	3,592.37	
33 01 30 51-0354	EA	3" Hydra Stop, Line Stopper.....	4,404.66	
33 01 30 51-0355	EA	4" Hydra Stop, Line Stopper.....	5,311.84	
33 01 30 51-0356	EA	5" Hydra Stop, Line Stopper.....	5,984.50	
33 01 30 51-0357	EA	6" Hydra Stop, Line Stopper.....	7,053.88	
33 01 30 51-0358	EA	8" Hydra Stop, Line Stopper.....	7,726.54	
33 01 30 51-0359	EA	10" Hydra Stop, Line Stopper.....	8,795.89	
33 01 30 51-0360	EA	12" Hydra Stop, Line Stopper.....	9,865.29	
33 01 30 51-0361	EA	14" Hydra Stop, Line Stopper.....	11,003.62	
33 01 30 51-0362	EA	16" Hydra Stop, Line Stopper.....	12,555.92	
33 01 30 51-0363	EA	18" Hydra Stop, Line Stopper.....	14,315.12	
33 01 30 51-0364	EA	20" Hydra Stop, Line Stopper.....	17,039.94	
33 01 30 51-0365 Aluminum Expansion Plugs (33 01 30 51-0331)				
Note: For use with PVC, clay Or cast iron drainage pipe.				
33 01 30 51-0366	EA	3" Pipe Aluminum Expansion Plug.....	80.59	
33 01 30 51-0367	EA	4" Pipe Aluminum Expansion Plug.....	116.25	
33 01 30 51-0368	EA	5" Pipe Aluminum Expansion Plug.....	131.03	
33 01 30 51-0369	EA	6" Pipe Aluminum Expansion Plug.....	199.36	
33 01 30 51-0370	EA	8" Pipe Aluminum Expansion Plug.....	204.83	
33 01 30 51-0371	EA	10" Pipe Aluminum Expansion Plug.....	256.39	
33 01 30 51-0372	EA	12" Pipe Aluminum Expansion Plug.....	347.01	
33 01 30 51-0373	EA	14" Pipe Aluminum Expansion Plug.....	560.97	
33 01 30 51-0374	EA	15" Pipe Aluminum Expansion Plug.....	607.61	
33 01 30 51-0375 PolySeal Pipe Coupler (33 01 30 51-0001)				
33 01 30 51-0376	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	368.01	
33 01 30 51-0377	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	415.55	
33 01 30 71 Relining Sewers (33 01 30)				
33 01 30 71-0001 Relining Underground Pipelines (33 01 30 71)				
Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.				
33 01 30 71-0002 Polyvinyl Chloride (PVC) Liner Pipe (33 01 30 71-0001)				
Note: Sanitary and storm sewer trenchless slip-lining.				
33 01 30 71-0003	LF	12" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	32.39	
33 01 30 71-0004	LF	15" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	48.65	
33 01 30 71-0005	LF	18" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	65.54	
33 01 30 71-0006	LF	21" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	81.33	
33 01 30 71-0007	LF	24" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	106.60	
33 01 30 71-0008	LF	27" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	127.95	
33 01 30 71-0009	LF	30" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	146.49	
33 01 30 71-0010	LF	36" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	209.32	
33 01 30 71-0011 Lining Pipe, Spray Applied With Structural Polyurethane (33 01 30 71-0001)				
Note: Two part structural polyurethane.				
33 01 30 71-0012 Mobilization And Setup For Spray Applied Structural Polyurethane Lining (33 01 30 71-0011)				
33 01 30 71-0013	EA	Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining.....	1,928.18	
33 01 30 71-0014 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane (33 01 30 71-0011)				
Note: Two part structural polyurethane.				

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 71-0015	LF 36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	61.29
	For Up To 75, Add	13.30
	For >75 To 150, Add	6.13
	For >500 To 1,000, Deduct	-1.64
	For >1,000 To 2,000, Deduct	-3.18
	For >2,000 To 5,000, Deduct	-4.93
	For >5,000, Deduct	-7.17
33 01 30 71-0016	LF 42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	71.50
	For Up To 75, Add	15.51
	For >75 To 150, Add	7.15
	For >500 To 1,000, Deduct	-1.92
	For >1,000 To 2,000, Deduct	-3.71
	For >2,000 To 5,000, Deduct	-5.75
	For >5,000, Deduct	-8.36
33 01 30 71-0017	LF 48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	81.72
	For Up To 75, Add	17.73
	For >75 To 150, Add	8.17
	For >500 To 1,000, Deduct	-2.19
	For >1,000 To 2,000, Deduct	-4.24
	For >2,000 To 5,000, Deduct	-6.57
	For >5,000, Deduct	-9.56
33 01 30 71-0018	LF 54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	91.93
	For Up To 75, Add	19.95
	For >75 To 150, Add	9.19
	For >500 To 1,000, Deduct	-2.46
	For >1,000 To 2,000, Deduct	-4.77
	For >2,000 To 5,000, Deduct	-7.39
	For >5,000, Deduct	-10.75
33 01 30 71-0019	LF 60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	102.15
	For Up To 75, Add	22.16
	For >75 To 150, Add	10.22
	For >500 To 1,000, Deduct	-2.74
	For >1,000 To 2,000, Deduct	-5.30
	For >2,000 To 5,000, Deduct	-8.21
	For >5,000, Deduct	-11.95
33 01 30 71-0020	LF 66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	112.36
	For Up To 75, Add	24.38
	For >75 To 150, Add	11.24
	For >500 To 1,000, Deduct	-3.01
	For >1,000 To 2,000, Deduct	-5.83
	For >2,000 To 5,000, Deduct	-9.03
	For >5,000, Deduct	-13.14
33 01 30 71-0021	LF 72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	122.57
	For Up To 75, Add	26.59
	For >75 To 150, Add	12.26
	For >500 To 1,000, Deduct	-3.28
	For >1,000 To 2,000, Deduct	-6.36
	For >2,000 To 5,000, Deduct	-9.85
	For >5,000, Deduct	-14.34
33 01 30 71-0022	LF 78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	132.78
	For Up To 75, Add	28.81
	For >75 To 150, Add	13.28
	For >500 To 1,000, Deduct	-3.56
	For >1,000 To 2,000, Deduct	-6.89
	For >2,000 To 5,000, Deduct	-10.67
	For >5,000, Deduct	-15.53
33 01 30 71-0023	LF 84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	143.00
	For Up To 75, Add	31.03
	For >75 To 150, Add	14.30
	For >500 To 1,000, Deduct	-3.83
	For >1,000 To 2,000, Deduct	-7.42
	For >2,000 To 5,000, Deduct	-11.49
	For >5,000, Deduct	-16.73
33 01 30 71-0024	LF 90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	153.21
	For Up To 75, Add	33.24
	For >75 To 150, Add	15.32
	For >500 To 1,000, Deduct	-4.10
	For >1,000 To 2,000, Deduct	-7.95
	For >2,000 To 5,000, Deduct	-12.31
	For >5,000, Deduct	-17.92
33 01 30 71-0025	LF 96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	163.42
	For Up To 75, Add	35.46
	For >75 To 150, Add	16.34
	For >500 To 1,000, Deduct	-4.38
	For >1,000 To 2,000, Deduct	-8.48
	For >2,000 To 5,000, Deduct	-13.13
	For >5,000, Deduct	-19.12
33 01 30 71-0026	LF 102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	173.64
	For Up To 75, Add	37.67
	For >75 To 150, Add	17.36
	For >500 To 1,000, Deduct	-4.65
	For >1,000 To 2,000, Deduct	-9.01
	For >2,000 To 5,000, Deduct	-13.95
	For >5,000, Deduct	-20.31
33 01 30 71-0027	LF 108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	183.85
	For Up To 75, Add	39.89
	For >75 To 150, Add	18.39
	For >500 To 1,000, Deduct	-4.92
	For >1,000 To 2,000, Deduct	-9.54
	For >2,000 To 5,000, Deduct	-14.77
	For >5,000, Deduct	-21.50

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0028 LF 114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	194.07	
For Up To 75, Add	42.11	
For >75 To 150, Add	19.41	
For >500 To 1,000, Deduct	-5.20	
For >1,000 To 2,000, Deduct	-10.07	
For >2,000 To 5,000, Deduct	-15.60	
For >5,000, Deduct	-22.70	
33 01 30 71-0029 LF 120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	204.29	
For Up To 75, Add	44.32	
For >75 To 150, Add	20.43	
For >500 To 1,000, Deduct	-5.47	
For >1,000 To 2,000, Deduct	-10.60	
For >2,000 To 5,000, Deduct	-16.42	
For >5,000, Deduct	-23.90	
33 01 30 71-0030 SF Structure Lining, Spray Applied With 100 mil Structural Polyurethane	6.50	
 33 01 30 71-0031 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane (33 01 30 71-0011)		
Note: Two part structural polyurethane.		
33 01 30 71-0032 LF 36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	82.67	
For Up To 75, Add	17.63	
For >75 To 150, Add	8.27	
For >500 To 1,000, Deduct	-2.09	
For >1,000 To 2,000, Deduct	-4.07	
For >2,000 To 5,000, Deduct	-6.27	
For >5,000, Deduct	-9.36	
33 01 30 71-0033 LF 42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	96.44	
For Up To 75, Add	20.57	
For >75 To 150, Add	9.64	
For >500 To 1,000, Deduct	-2.44	
For >1,000 To 2,000, Deduct	-4.75	
For >2,000 To 5,000, Deduct	-7.32	
For >5,000, Deduct	-10.92	
33 01 30 71-0034 LF 48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	110.21	
For Up To 75, Add	23.50	
For >75 To 150, Add	11.02	
For >500 To 1,000, Deduct	-2.79	
For >1,000 To 2,000, Deduct	-5.43	
For >2,000 To 5,000, Deduct	-8.36	
For >5,000, Deduct	-12.48	
33 01 30 71-0035 LF 54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	123.99	
For Up To 75, Add	26.44	
For >75 To 150, Add	12.40	
For >500 To 1,000, Deduct	-3.14	
For >1,000 To 2,000, Deduct	-6.11	
For >2,000 To 5,000, Deduct	-9.41	
For >5,000, Deduct	-14.04	
33 01 30 71-0036 LF 60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	137.77	
For Up To 75, Add	29.38	
For >75 To 150, Add	13.78	
For >500 To 1,000, Deduct	-3.49	
For >1,000 To 2,000, Deduct	-6.79	
For >2,000 To 5,000, Deduct	-10.46	
For >5,000, Deduct	-15.60	
33 01 30 71-0037 LF 66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	151.55	
For Up To 75, Add	32.32	
For >75 To 150, Add	15.16	
For >500 To 1,000, Deduct	-3.83	
For >1,000 To 2,000, Deduct	-7.47	
For >2,000 To 5,000, Deduct	-11.50	
For >5,000, Deduct	-17.16	
33 01 30 71-0038 LF 72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	165.33	
For Up To 75, Add	35.26	
For >75 To 150, Add	16.53	
For >500 To 1,000, Deduct	-4.18	
For >1,000 To 2,000, Deduct	-8.15	
For >2,000 To 5,000, Deduct	-12.55	
For >5,000, Deduct	-18.72	
33 01 30 71-0039 LF 78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	179.10	
For Up To 75, Add	38.19	
For >75 To 150, Add	17.91	
For >500 To 1,000, Deduct	-4.53	
For >1,000 To 2,000, Deduct	-8.82	
For >2,000 To 5,000, Deduct	-13.59	
For >5,000, Deduct	-20.28	
33 01 30 71-0040 LF 84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	192.88	
For Up To 75, Add	41.13	
For >75 To 150, Add	19.29	
For >500 To 1,000, Deduct	-4.88	
For >1,000 To 2,000, Deduct	-9.50	
For >2,000 To 5,000, Deduct	-14.64	
For >5,000, Deduct	-21.84	
33 01 30 71-0041 LF 90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	206.65	
For Up To 75, Add	44.07	
For >75 To 150, Add	20.67	
For >500 To 1,000, Deduct	-5.23	
For >1,000 To 2,000, Deduct	-10.18	
For >2,000 To 5,000, Deduct	-15.68	
For >5,000, Deduct	-23.40	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 71-0042	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	220.44	
		For Up To 75, Add	47.01	
		For >75 To 150, Add	22.04	
		For >500 To 1,000, Deduct	-5.58	
		For >1,000 To 2,000, Deduct	-10.86	
		For >2,000 To 5,000, Deduct	-16.73	
		For >5,000, Deduct	-24.96	
33 01 30 71-0043	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	234.21	
		For Up To 75, Add	49.94	
		For >75 To 150, Add	23.42	
		For >500 To 1,000, Deduct	-5.92	
		For >1,000 To 2,000, Deduct	-11.54	
		For >2,000 To 5,000, Deduct	-17.77	
		For >5,000, Deduct	-26.52	
33 01 30 71-0044	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	247.99	
		For Up To 75, Add	52.88	
		For >75 To 150, Add	24.80	
		For >500 To 1,000, Deduct	-6.27	
		For >1,000 To 2,000, Deduct	-12.22	
		For >2,000 To 5,000, Deduct	-18.82	
		For >5,000, Deduct	-28.08	
33 01 30 71-0045	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	261.76	
		For Up To 75, Add	55.82	
		For >75 To 150, Add	26.18	
		For >500 To 1,000, Deduct	-6.62	
		For >1,000 To 2,000, Deduct	-12.90	
		For >2,000 To 5,000, Deduct	-19.87	
		For >5,000, Deduct	-29.64	
33 01 30 71-0046	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	275.55	
		For Up To 75, Add	58.76	
		For >75 To 150, Add	27.56	
		For >500 To 1,000, Deduct	-6.97	
		For >1,000 To 2,000, Deduct	-13.58	
		For >2,000 To 5,000, Deduct	-20.91	
		For >5,000, Deduct	-31.20	
33 01 30 71-0047	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	8.78	

33 01 30 71-0048 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane (33 01 30 71-0011)

Note: Two part structural polyurethane.

33 01 30 71-0049	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	104.01	
		For Up To 75, Add	21.95	
		For >75 To 150, Add	10.40	
		For >500 To 1,000, Deduct	-2.54	
		For >1,000 To 2,000, Deduct	-4.97	
		For >2,000 To 5,000, Deduct	-7.62	
		For >5,000, Deduct	-11.55	
33 01 30 71-0050	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	121.36	
		For Up To 75, Add	25.62	
		For >75 To 150, Add	12.14	
		For >500 To 1,000, Deduct	-2.97	
		For >1,000 To 2,000, Deduct	-5.80	
		For >2,000 To 5,000, Deduct	-8.90	
		For >5,000, Deduct	-13.48	
33 01 30 71-0051	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	138.69	
		For Up To 75, Add	29.27	
		For >75 To 150, Add	13.87	
		For >500 To 1,000, Deduct	-3.39	
		For >1,000 To 2,000, Deduct	-6.62	
		For >2,000 To 5,000, Deduct	-10.17	
		For >5,000, Deduct	-15.41	
33 01 30 71-0052	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	156.03	
		For Up To 75, Add	32.93	
		For >75 To 150, Add	15.60	
		For >500 To 1,000, Deduct	-3.81	
		For >1,000 To 2,000, Deduct	-7.45	
		For >2,000 To 5,000, Deduct	-11.44	
		For >5,000, Deduct	-17.33	
33 01 30 71-0053	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	173.37	
		For Up To 75, Add	36.59	
		For >75 To 150, Add	17.34	
		For >500 To 1,000, Deduct	-4.24	
		For >1,000 To 2,000, Deduct	-8.28	
		For >2,000 To 5,000, Deduct	-12.71	
		For >5,000, Deduct	-19.26	
33 01 30 71-0054	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	190.70	
		For Up To 75, Add	40.25	
		For >75 To 150, Add	19.07	
		For >500 To 1,000, Deduct	-4.66	
		For >1,000 To 2,000, Deduct	-9.11	
		For >2,000 To 5,000, Deduct	-13.98	
		For >5,000, Deduct	-21.18	
33 01 30 71-0055	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	208.04	
		For Up To 75, Add	43.91	
		For >75 To 150, Add	20.80	
		For >500 To 1,000, Deduct	-5.08	
		For >1,000 To 2,000, Deduct	-9.93	
		For >2,000 To 5,000, Deduct	-15.25	
		For >5,000, Deduct	-23.11	

MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0056	LF 78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	225.37	
	For Up To 75, Add	47.57	
	For >75 To 150, Add	22.54	
	For >500 To 1,000, Deduct	-5.51	
	For >1,000 To 2,000, Deduct	-10.76	
	For >2,000 To 5,000, Deduct	-16.52	
	For >5,000, Deduct	-25.03	
33 01 30 71-0057	LF 84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	242.71	
	For Up To 75, Add	51.23	
	For >75 To 150, Add	24.27	
	For >500 To 1,000, Deduct	-5.93	
	For >1,000 To 2,000, Deduct	-11.59	
	For >2,000 To 5,000, Deduct	-17.79	
	For >5,000, Deduct	-26.96	
33 01 30 71-0058	LF 90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	260.04	
	For Up To 75, Add	54.89	
	For >75 To 150, Add	26.00	
	For >500 To 1,000, Deduct	-6.35	
	For >1,000 To 2,000, Deduct	-12.42	
	For >2,000 To 5,000, Deduct	-19.06	
	For >5,000, Deduct	-28.88	
33 01 30 71-0059	LF 96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	277.39	
	For Up To 75, Add	58.55	
	For >75 To 150, Add	27.74	
	For >500 To 1,000, Deduct	-6.78	
	For >1,000 To 2,000, Deduct	-13.25	
	For >2,000 To 5,000, Deduct	-20.33	
	For >5,000, Deduct	-30.81	
33 01 30 71-0060	LF 102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	294.72	
	For Up To 75, Add	62.21	
	For >75 To 150, Add	29.47	
	For >500 To 1,000, Deduct	-7.20	
	For >1,000 To 2,000, Deduct	-14.07	
	For >2,000 To 5,000, Deduct	-21.60	
	For >5,000, Deduct	-32.74	
33 01 30 71-0061	LF 108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	312.06	
	For Up To 75, Add	65.87	
	For >75 To 150, Add	31.21	
	For >500 To 1,000, Deduct	-7.62	
	For >1,000 To 2,000, Deduct	-14.90	
	For >2,000 To 5,000, Deduct	-22.87	
	For >5,000, Deduct	-34.66	
33 01 30 71-0062	LF 114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	329.41	
	For Up To 75, Add	69.53	
	For >75 To 150, Add	32.94	
	For >500 To 1,000, Deduct	-8.05	
	For >1,000 To 2,000, Deduct	-15.73	
	For >2,000 To 5,000, Deduct	-24.14	
	For >5,000, Deduct	-36.59	
33 01 30 71-0063	LF 120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	346.72	
	For Up To 75, Add	73.18	
	For >75 To 150, Add	34.67	
	For >500 To 1,000, Deduct	-8.47	
	For >1,000 To 2,000, Deduct	-16.56	
	For >2,000 To 5,000, Deduct	-25.41	
	For >5,000, Deduct	-38.51	
33 01 30 71-0064	SF Structure Lining, Spray Applied With 200 mil Structural Polyurethane	11.03	
33 01 30 71-0065 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane (33 01 30 71-0011)			
Note: Two part structural polyurethane.			
33 01 30 71-0066	LF 36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	125.48	
	For Up To 75, Add	26.31	
	For >75 To 150, Add	12.55	
	For >500 To 1,000, Deduct	-2.99	
	For >1,000 To 2,000, Deduct	-5.87	
	For >2,000 To 5,000, Deduct	-8.98	
	For >5,000, Deduct	-13.76	
33 01 30 71-0067	LF 42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	146.40	
	For Up To 75, Add	30.70	
	For >75 To 150, Add	14.64	
	For >500 To 1,000, Deduct	-3.49	
	For >1,000 To 2,000, Deduct	-6.85	
	For >2,000 To 5,000, Deduct	-10.48	
	For >5,000, Deduct	-16.06	
33 01 30 71-0068	LF 48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	167.30	
	For Up To 75, Add	35.08	
	For >75 To 150, Add	16.73	
	For >500 To 1,000, Deduct	-3.99	
	For >1,000 To 2,000, Deduct	-7.82	
	For >2,000 To 5,000, Deduct	-11.98	
	For >5,000, Deduct	-18.35	
33 01 30 71-0069	LF 54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	188.21	
	For Up To 75, Add	39.46	
	For >75 To 150, Add	18.82	
	For >500 To 1,000, Deduct	-4.49	
	For >1,000 To 2,000, Deduct	-8.80	
	For >2,000 To 5,000, Deduct	-13.48	
	For >5,000, Deduct	-20.64	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 71-0070	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	209.12	
		For Up To 75, Add	43.85	
		For >75 To 150, Add	20.91	
		For >500 To 1,000, Deduct	-4.99	
		For >1,000 To 2,000, Deduct	-9.78	
		For >2,000 To 5,000, Deduct	-14.97	
		For >5,000, Deduct	-22.93	
33 01 30 71-0071	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	230.03	
		For Up To 75, Add	48.23	
		For >75 To 150, Add	23.00	
		For >500 To 1,000, Deduct	-5.49	
		For >1,000 To 2,000, Deduct	-10.76	
		For >2,000 To 5,000, Deduct	-16.47	
		For >5,000, Deduct	-25.23	
33 01 30 71-0072	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	250.95	
		For Up To 75, Add	52.62	
		For >75 To 150, Add	25.10	
		For >500 To 1,000, Deduct	-5.99	
		For >1,000 To 2,000, Deduct	-11.74	
		For >2,000 To 5,000, Deduct	-17.97	
		For >5,000, Deduct	-27.52	
33 01 30 71-0073	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	271.87	
		For Up To 75, Add	57.00	
		For >75 To 150, Add	27.19	
		For >500 To 1,000, Deduct	-6.49	
		For >1,000 To 2,000, Deduct	-12.71	
		For >2,000 To 5,000, Deduct	-19.47	
		For >5,000, Deduct	-29.82	
33 01 30 71-0074	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	292.77	
		For Up To 75, Add	61.38	
		For >75 To 150, Add	29.28	
		For >500 To 1,000, Deduct	-6.99	
		For >1,000 To 2,000, Deduct	-13.69	
		For >2,000 To 5,000, Deduct	-20.96	
		For >5,000, Deduct	-32.11	
33 01 30 71-0075	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	313.69	
		For Up To 75, Add	65.77	
		For >75 To 150, Add	31.37	
		For >500 To 1,000, Deduct	-7.49	
		For >1,000 To 2,000, Deduct	-14.67	
		For >2,000 To 5,000, Deduct	-22.46	
		For >5,000, Deduct	-34.40	
33 01 30 71-0076	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	334.60	
		For Up To 75, Add	70.15	
		For >75 To 150, Add	33.46	
		For >500 To 1,000, Deduct	-7.99	
		For >1,000 To 2,000, Deduct	-15.65	
		For >2,000 To 5,000, Deduct	-23.96	
		For >5,000, Deduct	-36.69	
33 01 30 71-0077	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	355.51	
		For Up To 75, Add	74.54	
		For >75 To 150, Add	35.55	
		For >500 To 1,000, Deduct	-8.48	
		For >1,000 To 2,000, Deduct	-16.63	
		For >2,000 To 5,000, Deduct	-25.45	
		For >5,000, Deduct	-38.99	
33 01 30 71-0078	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	376.43	
		For Up To 75, Add	78.93	
		For >75 To 150, Add	37.64	
		For >500 To 1,000, Deduct	-8.98	
		For >1,000 To 2,000, Deduct	-17.60	
		For >2,000 To 5,000, Deduct	-26.95	
		For >5,000, Deduct	-41.28	
33 01 30 71-0079	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	397.33	
		For Up To 75, Add	83.31	
		For >75 To 150, Add	39.73	
		For >500 To 1,000, Deduct	-9.48	
		For >1,000 To 2,000, Deduct	-18.58	
		For >2,000 To 5,000, Deduct	-28.45	
		For >5,000, Deduct	-43.57	
33 01 30 71-0080	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	418.25	
		For Up To 75, Add	87.69	
		For >75 To 150, Add	41.83	
		For >500 To 1,000, Deduct	-9.98	
		For >1,000 To 2,000, Deduct	-19.56	
		For >2,000 To 5,000, Deduct	-29.95	
		For >5,000, Deduct	-45.87	
33 01 30 71-0081	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	13.31	
33 01 30 71-0082		Lining Pipe, Spray Applied With 300 mil Structural Polyurethane (33 01 30 71-0011) Note: Two part structural polyurethane.		
33 01 30 71-0083	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	147.08	
		For Up To 75, Add	30.69	
		For >75 To 150, Add	14.71	
		For >500 To 1,000, Deduct	-3.45	
		For >1,000 To 2,000, Deduct	-6.78	
		For >2,000 To 5,000, Deduct	-10.36	
		For >5,000, Deduct	-15.99	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0084 LF 42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	171.58	
For Up To 75, Add	35.81	
For >75 To 150, Add	17.16	
For >500 To 1,000, Deduct	-4.03	
For >1,000 To 2,000, Deduct	-7.91	
For >2,000 To 5,000, Deduct	-12.08	
For >5,000, Deduct	-18.65	
33 01 30 71-0085 LF 48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	196.10	
For Up To 75, Add	40.92	
For >75 To 150, Add	19.61	
For >500 To 1,000, Deduct	-4.60	
For >1,000 To 2,000, Deduct	-9.04	
For >2,000 To 5,000, Deduct	-13.81	
For >5,000, Deduct	-21.31	
33 01 30 71-0086 LF 54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	220.60	
For Up To 75, Add	46.04	
For >75 To 150, Add	22.06	
For >500 To 1,000, Deduct	-5.18	
For >1,000 To 2,000, Deduct	-10.16	
For >2,000 To 5,000, Deduct	-15.53	
For >5,000, Deduct	-23.98	
33 01 30 71-0087 LF 60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	245.12	
For Up To 75, Add	51.15	
For >75 To 150, Add	24.51	
For >500 To 1,000, Deduct	-5.75	
For >1,000 To 2,000, Deduct	-11.29	
For >2,000 To 5,000, Deduct	-17.26	
For >5,000, Deduct	-26.64	
33 01 30 71-0088 LF 66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	269.64	
For Up To 75, Add	56.27	
For >75 To 150, Add	26.96	
For >500 To 1,000, Deduct	-6.33	
For >1,000 To 2,000, Deduct	-12.42	
For >2,000 To 5,000, Deduct	-18.99	
For >5,000, Deduct	-29.31	
33 01 30 71-0089 LF 72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	294.14	
For Up To 75, Add	61.38	
For >75 To 150, Add	29.41	
For >500 To 1,000, Deduct	-6.90	
For >1,000 To 2,000, Deduct	-13.55	
For >2,000 To 5,000, Deduct	-20.71	
For >5,000, Deduct	-31.97	
33 01 30 71-0090 LF 78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	318.65	
For Up To 75, Add	66.50	
For >75 To 150, Add	31.87	
For >500 To 1,000, Deduct	-7.48	
For >1,000 To 2,000, Deduct	-14.68	
For >2,000 To 5,000, Deduct	-22.44	
For >5,000, Deduct	-34.63	
33 01 30 71-0091 LF 84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	343.16	
For Up To 75, Add	71.61	
For >75 To 150, Add	34.32	
For >500 To 1,000, Deduct	-8.05	
For >1,000 To 2,000, Deduct	-15.81	
For >2,000 To 5,000, Deduct	-24.16	
For >5,000, Deduct	-37.30	
33 01 30 71-0092 LF 90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	367.68	
For Up To 75, Add	76.73	
For >75 To 150, Add	36.77	
For >500 To 1,000, Deduct	-8.63	
For >1,000 To 2,000, Deduct	-16.94	
For >2,000 To 5,000, Deduct	-25.89	
For >5,000, Deduct	-39.96	
33 01 30 71-0093 LF 96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	392.20	
For Up To 75, Add	81.85	
For >75 To 150, Add	39.22	
For >500 To 1,000, Deduct	-9.21	
For >1,000 To 2,000, Deduct	-18.07	
For >2,000 To 5,000, Deduct	-27.62	
For >5,000, Deduct	-42.63	
33 01 30 71-0094 LF 102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	416.71	
For Up To 75, Add	86.96	
For >75 To 150, Add	41.67	
For >500 To 1,000, Deduct	-9.78	
For >1,000 To 2,000, Deduct	-19.20	
For >2,000 To 5,000, Deduct	-29.34	
For >5,000, Deduct	-45.29	
33 01 30 71-0095 LF 108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	441.21	
For Up To 75, Add	92.07	
For >75 To 150, Add	44.12	
For >500 To 1,000, Deduct	-10.36	
For >1,000 To 2,000, Deduct	-20.33	
For >2,000 To 5,000, Deduct	-31.07	
For >5,000, Deduct	-47.95	
33 01 30 71-0096 LF 114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	465.72	
For Up To 75, Add	97.19	
For >75 To 150, Add	46.57	
For >500 To 1,000, Deduct	-10.93	
For >1,000 To 2,000, Deduct	-21.46	
For >2,000 To 5,000, Deduct	-32.79	
For >5,000, Deduct	-50.62	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 71-0097	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	490.24
		<i>For Up To 75, Add</i>	102.30
		<i>For >75 To 150, Add</i>	49.02
		<i>For >500 To 1,000, Deduct</i>	-11.51
		<i>For >1,000 To 2,000, Deduct</i>	-22.59
		<i>For >2,000 To 5,000, Deduct</i>	-34.52
		<i>For >5,000, Deduct</i>	-53.28

33 01 30 71-0098	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	15.61
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33 01 30 71-0099 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane (33 01 30 71-0011)

Note: Two part structural polyurethane.

33 01 30 71-0100	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	190.32
		<i>For Up To 75, Add</i>	39.48
		<i>For >75 To 150, Add</i>	19.03
		<i>For >500 To 1,000, Deduct</i>	-4.37
		<i>For >1,000 To 2,000, Deduct</i>	-8.61
		<i>For >2,000 To 5,000, Deduct</i>	-13.12
		<i>For >5,000, Deduct</i>	-20.45
33 01 30 71-0101	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	222.05
		<i>For Up To 75, Add</i>	46.07
		<i>For >75 To 150, Add</i>	22.21
		<i>For >500 To 1,000, Deduct</i>	-5.10
		<i>For >1,000 To 2,000, Deduct</i>	-10.04
		<i>For >2,000 To 5,000, Deduct</i>	-15.31
		<i>For >5,000, Deduct</i>	-23.86
33 01 30 71-0102	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	253.76
		<i>For Up To 75, Add</i>	52.64
		<i>For >75 To 150, Add</i>	25.38
		<i>For >500 To 1,000, Deduct</i>	-5.83
		<i>For >1,000 To 2,000, Deduct</i>	-11.47
		<i>For >2,000 To 5,000, Deduct</i>	-17.50
		<i>For >5,000, Deduct</i>	-27.27
33 01 30 71-0103	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	285.48
		<i>For Up To 75, Add</i>	59.22
		<i>For >75 To 150, Add</i>	28.55
		<i>For >500 To 1,000, Deduct</i>	-6.56
		<i>For >1,000 To 2,000, Deduct</i>	-12.91
		<i>For >2,000 To 5,000, Deduct</i>	-19.68
		<i>For >5,000, Deduct</i>	-30.68
33 01 30 71-0104	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	317.20
		<i>For Up To 75, Add</i>	65.80
		<i>For >75 To 150, Add</i>	31.72
		<i>For >500 To 1,000, Deduct</i>	-7.29
		<i>For >1,000 To 2,000, Deduct</i>	-14.34
		<i>For >2,000 To 5,000, Deduct</i>	-21.87
		<i>For >5,000, Deduct</i>	-34.08
33 01 30 71-0105	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	348.92
		<i>For Up To 75, Add</i>	72.39
		<i>For >75 To 150, Add</i>	34.89
		<i>For >500 To 1,000, Deduct</i>	-8.02
		<i>For >1,000 To 2,000, Deduct</i>	-15.78
		<i>For >2,000 To 5,000, Deduct</i>	-24.06
		<i>For >5,000, Deduct</i>	-37.49
33 01 30 71-0106	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	380.64
		<i>For Up To 75, Add</i>	78.97
		<i>For >75 To 150, Add</i>	38.06
		<i>For >500 To 1,000, Deduct</i>	-8.75
		<i>For >1,000 To 2,000, Deduct</i>	-17.21
		<i>For >2,000 To 5,000, Deduct</i>	-26.24
		<i>For >5,000, Deduct</i>	-40.90
33 01 30 71-0107	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	412.36
		<i>For Up To 75, Add</i>	85.55
		<i>For >75 To 150, Add</i>	41.24
		<i>For >500 To 1,000, Deduct</i>	-9.48
		<i>For >1,000 To 2,000, Deduct</i>	-18.65
		<i>For >2,000 To 5,000, Deduct</i>	-28.43
		<i>For >5,000, Deduct</i>	-44.31
33 01 30 71-0108	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	444.08
		<i>For Up To 75, Add</i>	92.13
		<i>For >75 To 150, Add</i>	44.41
		<i>For >500 To 1,000, Deduct</i>	-10.21
		<i>For >1,000 To 2,000, Deduct</i>	-20.08
		<i>For >2,000 To 5,000, Deduct</i>	-30.62
		<i>For >5,000, Deduct</i>	-47.72
33 01 30 71-0109	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	475.81
		<i>For Up To 75, Add</i>	98.71
		<i>For >75 To 150, Add</i>	47.58
		<i>For >500 To 1,000, Deduct</i>	-10.94
		<i>For >1,000 To 2,000, Deduct</i>	-21.52
		<i>For >2,000 To 5,000, Deduct</i>	-32.81
		<i>For >5,000, Deduct</i>	-51.13
33 01 30 71-0110	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	507.52
		<i>For Up To 75, Add</i>	105.29
		<i>For >75 To 150, Add</i>	50.75
		<i>For >500 To 1,000, Deduct</i>	-11.66
		<i>For >1,000 To 2,000, Deduct</i>	-22.95
		<i>For >2,000 To 5,000, Deduct</i>	-34.99
		<i>For >5,000, Deduct</i>	-54.54

MINOR CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0111	LF 102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	539.24	
	For Up To 75, Add	111.87	
	For >75 To 150, Add	53.92	
	For >500 To 1,000, Deduct	-12.39	
	For >1,000 To 2,000, Deduct	-24.38	
	For >2,000 To 5,000, Deduct	-37.18	
	For >5,000, Deduct	-57.94	
33 01 30 71-0112	LF 108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	570.96	
	For Up To 75, Add	118.45	
	For >75 To 150, Add	57.10	
	For >500 To 1,000, Deduct	-13.12	
	For >1,000 To 2,000, Deduct	-25.82	
	For >2,000 To 5,000, Deduct	-39.36	
	For >5,000, Deduct	-61.35	
33 01 30 71-0113	LF 114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	602.68	
	For Up To 75, Add	125.03	
	For >75 To 150, Add	60.27	
	For >500 To 1,000, Deduct	-13.85	
	For >1,000 To 2,000, Deduct	-27.25	
	For >2,000 To 5,000, Deduct	-41.55	
	For >5,000, Deduct	-64.76	
33 01 30 71-0114	LF 120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	634.40	
	For Up To 75, Add	131.61	
	For >75 To 150, Add	63.44	
	For >500 To 1,000, Deduct	-14.58	
	For >1,000 To 2,000, Deduct	-28.69	
	For >2,000 To 5,000, Deduct	-43.74	
	For >5,000, Deduct	-68.17	
33 01 30 71-0115	SF Structure Lining, Spray Applied With 400 mil Structural Polyurethane	20.19	
33 01 30 71-0116	Lining Pipe, Spray Applied With 500 mil Structural Polyurethane (33 01 30 71-0011) Note: Two part structural polyurethane.		
33 01 30 71-0117	LF 36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	233.96	
	For Up To 75, Add	48.37	
	For >75 To 150, Add	23.40	
	For >500 To 1,000, Deduct	-5.31	
	For >1,000 To 2,000, Deduct	-10.46	
	For >2,000 To 5,000, Deduct	-15.93	
	For >5,000, Deduct	-24.97	
33 01 30 71-0118	LF 42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	272.95	
	For Up To 75, Add	56.43	
	For >75 To 150, Add	27.30	
	For >500 To 1,000, Deduct	-6.19	
	For >1,000 To 2,000, Deduct	-12.21	
	For >2,000 To 5,000, Deduct	-18.58	
	For >5,000, Deduct	-29.13	
33 01 30 71-0119	LF 48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	311.95	
	For Up To 75, Add	64.49	
	For >75 To 150, Add	31.20	
	For >500 To 1,000, Deduct	-7.08	
	For >1,000 To 2,000, Deduct	-13.95	
	For >2,000 To 5,000, Deduct	-21.24	
	For >5,000, Deduct	-33.30	
33 01 30 71-0120	LF 54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	350.94	
	For Up To 75, Add	72.55	
	For >75 To 150, Add	35.09	
	For >500 To 1,000, Deduct	-7.96	
	For >1,000 To 2,000, Deduct	-15.69	
	For >2,000 To 5,000, Deduct	-23.89	
	For >5,000, Deduct	-37.46	
33 01 30 71-0121	LF 60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	389.93	
	For Up To 75, Add	80.61	
	For >75 To 150, Add	38.99	
	For >500 To 1,000, Deduct	-8.85	
	For >1,000 To 2,000, Deduct	-17.44	
	For >2,000 To 5,000, Deduct	-26.55	
	For >5,000, Deduct	-41.62	
33 01 30 71-0122	LF 66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	428.93	
	For Up To 75, Add	88.68	
	For >75 To 150, Add	42.89	
	For >500 To 1,000, Deduct	-9.73	
	For >1,000 To 2,000, Deduct	-19.18	
	For >2,000 To 5,000, Deduct	-29.20	
	For >5,000, Deduct	-45.78	
33 01 30 71-0123	LF 72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	467.92	
	For Up To 75, Add	96.74	
	For >75 To 150, Add	46.79	
	For >500 To 1,000, Deduct	-10.62	
	For >1,000 To 2,000, Deduct	-20.92	
	For >2,000 To 5,000, Deduct	-31.86	
	For >5,000, Deduct	-49.94	
33 01 30 71-0124	LF 78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	506.92	
	For Up To 75, Add	104.80	
	For >75 To 150, Add	50.69	
	For >500 To 1,000, Deduct	-11.50	
	For >1,000 To 2,000, Deduct	-22.67	
	For >2,000 To 5,000, Deduct	-34.51	
	For >5,000, Deduct	-54.11	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 71-0125	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	545.90
		For Up To 75, Add	112.86
		For >75 To 150, Add	54.59
		For >500 To 1,000, Deduct	-12.39
		For >1,000 To 2,000, Deduct	-24.41
		For >2,000 To 5,000, Deduct	-37.17
		For >5,000, Deduct	-58.27
33 01 30 71-0126	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	584.90
		For Up To 75, Add	120.92
		For >75 To 150, Add	58.49
		For >500 To 1,000, Deduct	-13.27
		For >1,000 To 2,000, Deduct	-26.15
		For >2,000 To 5,000, Deduct	-39.82
		For >5,000, Deduct	-62.43
33 01 30 71-0127	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	623.89
		For Up To 75, Add	128.98
		For >75 To 150, Add	62.39
		For >500 To 1,000, Deduct	-14.16
		For >1,000 To 2,000, Deduct	-27.90
		For >2,000 To 5,000, Deduct	-42.48
		For >5,000, Deduct	-66.59
33 01 30 71-0128	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	662.89
		For Up To 75, Add	137.04
		For >75 To 150, Add	66.29
		For >500 To 1,000, Deduct	-15.04
		For >1,000 To 2,000, Deduct	-29.64
		For >2,000 To 5,000, Deduct	-45.13
		For >5,000, Deduct	-70.76
33 01 30 71-0129	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	701.88
		For Up To 75, Add	145.11
		For >75 To 150, Add	70.19
		For >500 To 1,000, Deduct	-15.93
		For >1,000 To 2,000, Deduct	-31.39
		For >2,000 To 5,000, Deduct	-47.79
		For >5,000, Deduct	-74.92
33 01 30 71-0130	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	740.88
		For Up To 75, Add	153.17
		For >75 To 150, Add	74.09
		For >500 To 1,000, Deduct	-16.81
		For >1,000 To 2,000, Deduct	-33.13
		For >2,000 To 5,000, Deduct	-50.44
		For >5,000, Deduct	-79.08
33 01 30 71-0131	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	779.87
		For Up To 75, Add	161.23
		For >75 To 150, Add	77.99
		For >500 To 1,000, Deduct	-17.70
		For >1,000 To 2,000, Deduct	-34.87
		For >2,000 To 5,000, Deduct	-53.10
		For >5,000, Deduct	-83.24
33 01 30 71-0132	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	24.83

33 01 30 72 Cured-in-Place Pipe Lining (33 01 30)**33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines (33 01 30 72)**

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion (33 01 30 72-0001)

33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,684.14
33 01 30 72-0004	EA	Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,806.89
33 01 30 72-0005	EA	Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	4,210.34
33 01 30 72-0006	EA	Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,613.78
33 01 30 72-0007	EA	Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	842.06
33 01 30 72-0008	EA	Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,403.45
33 01 30 72-0009	EA	Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,754.31
33 01 30 72-0010	EA	Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,245.52
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP)	1,403.45
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	3,368.27
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,613.78
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP)	8,420.68
		Note: Need to mix wet material in bag prior to installation.	

33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)

(33 01 30 72-0001)

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.

33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0017 LF 4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	25.58	
For Vinlyester Resin, Add	7.60	
For Epoxy Resin, Add	0.90	
For Up To >10, Add	49.62	
For >10 To 25, Add	39.54	
For >25 To 50, Add	24.27	
For >50 To 100, Add	12.13	
For >500 To 1,000, Deduct	-1.65	
For >1,000 To 2,000, Deduct	-2.66	
For >2,000 To 5,000, Deduct	-4.98	
For >5,000, Deduct	-8.06	
33 01 30 72-0018 LF 4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	31.53	
For Vinlyester Resin, Add	11.76	
For Epoxy Resin, Add	1.39	
For Up To >10, Add	52.59	
For >10 To 25, Add	41.03	
For >25 To 50, Add	25.46	
For >50 To 100, Add	12.73	
For >500 To 1,000, Deduct	-1.94	
For >1,000 To 2,000, Deduct	-3.10	
For >2,000 To 5,000, Deduct	-5.70	
For >5,000, Deduct	-9.25	
33 01 30 72-0019 LF 4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	37.48	
For Vinlyester Resin, Add	15.93	
For Epoxy Resin, Add	1.88	
For Up To >10, Add	55.57	
For >10 To 25, Add	42.51	
For >25 To 50, Add	26.65	
For >50 To 100, Add	13.32	
For >500 To 1,000, Deduct	-2.24	
For >1,000 To 2,000, Deduct	-3.55	
For >2,000 To 5,000, Deduct	-6.41	
For >5,000, Deduct	-10.44	
33 01 30 72-0020 LF 4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	50.80	
For Vinlyester Resin, Add	24.26	
For Epoxy Resin, Add	2.86	
For Up To >10, Add	65.75	
For >10 To 25, Add	49.02	
For >25 To 50, Add	31.14	
For >50 To 100, Add	15.57	
For >500 To 1,000, Deduct	-2.94	
For >1,000 To 2,000, Deduct	-4.62	
For >2,000 To 5,000, Deduct	-8.19	
For >5,000, Deduct	-13.39	
33 01 30 72-0021 LF 4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	64.10	
For Vinlyester Resin, Add	32.59	
For Epoxy Resin, Add	3.84	
For Up To >10, Add	75.90	
For >10 To 25, Add	55.49	
For >25 To 50, Add	35.62	
For >50 To 100, Add	17.81	
For >500 To 1,000, Deduct	-3.64	
For >1,000 To 2,000, Deduct	-5.68	
For >2,000 To 5,000, Deduct	-9.97	
For >5,000, Deduct	-16.33	
33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)	36.66	
33 01 30 72-0023 LF 6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	36.66	
For Vinlyester Resin, Add	15.35	
For Epoxy Resin, Add	1.81	
For Up To >10, Add	55.16	
For >10 To 25, Add	42.31	
For >25 To 50, Add	26.48	
For >50 To 100, Add	13.24	
For >500 To 1,000, Deduct	-2.20	
For >1,000 To 2,000, Deduct	-3.49	
For >2,000 To 5,000, Deduct	-6.31	
For >5,000, Deduct	-10.28	
33 01 30 72-0024 LF 6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	44.60	
For Vinlyester Resin, Add	20.91	
For Epoxy Resin, Add	2.46	
For Up To >10, Add	59.13	
For >10 To 25, Add	44.29	
For >25 To 50, Add	28.07	
For >50 To 100, Add	14.03	
For >500 To 1,000, Deduct	-2.60	
For >1,000 To 2,000, Deduct	-4.08	
For >2,000 To 5,000, Deduct	-7.27	
For >5,000, Deduct	-11.87	
33 01 30 72-0025 LF 6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	61.88	
For Vinlyester Resin, Add	32.02	
For Epoxy Resin, Add	3.77	
For Up To >10, Add	71.29	
For >10 To 25, Add	51.79	
For >25 To 50, Add	33.36	
For >50 To 100, Add	16.68	
For >500 To 1,000, Deduct	-3.50	
For >1,000 To 2,000, Deduct	-5.45	
For >2,000 To 5,000, Deduct	-9.52	
For >5,000, Deduct	-15.60	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	79.15	
		For Vinylster Resin, Add	43.13	
		For Epoxy Resin, Add	5.08	
		For Up To >10, Add	83.43	
		For >10 To 25, Add	59.25	
		For >25 To 50, Add	38.63	
		For >50 To 100, Add	19.32	
		For >500 To 1,000, Deduct	-4.40	
		For >1,000 To 2,000, Deduct	-6.81	
		For >2,000 To 5,000, Deduct	-11.78	
		For >5,000, Deduct	-19.34	
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	96.57	
		For Vinylster Resin, Add	54.24	
		For Epoxy Resin, Add	6.39	
		For Up To >10, Add	96.01	
		For >10 To 25, Add	67.10	
		For >25 To 50, Add	44.13	
		For >50 To 100, Add	22.07	
		For >500 To 1,000, Deduct	-5.31	
		For >1,000 To 2,000, Deduct	-8.20	
		For >2,000 To 5,000, Deduct	-14.07	
		For >5,000, Deduct	-23.13	
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	114.40	
		For Vinylster Resin, Add	65.35	
		For Epoxy Resin, Add	7.70	
		For Up To >10, Add	109.83	
		For >10 To 25, Add	75.96	
		For >25 To 50, Add	50.25	
		For >50 To 100, Add	25.12	
		For >500 To 1,000, Deduct	-6.25	
		For >1,000 To 2,000, Deduct	-9.63	
		For >2,000 To 5,000, Deduct	-16.46	
		For >5,000, Deduct	-27.09	
33 01 30 72-0029		7.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015).....		
33 01 30 72-0030	LF	7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	51.48	
		For Vinylster Resin, Add	25.73	
		For Epoxy Resin, Add	3.03	
		For Up To >10, Add	62.57	
		For >10 To 25, Add	46.01	
		For >25 To 50, Add	29.45	
		For >50 To 100, Add	14.72	
		For >500 To 1,000, Deduct	-2.94	
		For >1,000 To 2,000, Deduct	-4.60	
		For >2,000 To 5,000, Deduct	-8.09	
		For >5,000, Deduct	-13.24	
33 01 30 72-0031	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	72.72	
		For Vinylster Resin, Add	39.61	
		For Epoxy Resin, Add	4.67	
		For Up To >10, Add	76.71	
		For >10 To 25, Add	54.50	
		For >25 To 50, Add	35.53	
		For >50 To 100, Add	17.76	
		For >500 To 1,000, Deduct	-4.04	
		For >1,000 To 2,000, Deduct	-6.26	
		For >2,000 To 5,000, Deduct	-10.82	
		For >5,000, Deduct	-17.77	
33 01 30 72-0032	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	93.97	
		For Vinylster Resin, Add	53.50	
		For Epoxy Resin, Add	6.31	
		For Up To >10, Add	90.84	
		For >10 To 25, Add	62.96	
		For >25 To 50, Add	41.60	
		For >50 To 100, Add	20.80	
		For >500 To 1,000, Deduct	-5.14	
		For >1,000 To 2,000, Deduct	-7.92	
		For >2,000 To 5,000, Deduct	-13.56	
		For >5,000, Deduct	-22.30	
33 01 30 72-0033	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	115.35	
		For Vinylster Resin, Add	67.38	
		For Epoxy Resin, Add	7.94	
		For Up To >10, Add	105.40	
		For >10 To 25, Add	71.79	
		For >25 To 50, Add	47.89	
		For >50 To 100, Add	23.94	
		For >500 To 1,000, Deduct	-6.24	
		For >1,000 To 2,000, Deduct	-9.61	
		For >2,000 To 5,000, Deduct	-16.32	
		For >5,000, Deduct	-26.89	
33 01 30 72-0034	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	137.15	
		For Vinylster Resin, Add	81.27	
		For Epoxy Resin, Add	9.58	
		For Up To >10, Add	121.20	
		For >10 To 25, Add	81.65	
		For >25 To 50, Add	54.80	
		For >50 To 100, Add	27.40	
		For >500 To 1,000, Deduct	-7.38	
		For >1,000 To 2,000, Deduct	-11.34	
		For >2,000 To 5,000, Deduct	-19.19	
		For >5,000, Deduct	-31.64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0035 LF 7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	169.72	
For Vinlyester Resin, Add	102.10	
For Epoxy Resin, Add	12.03	
For Up To >10, Add	144.51	
For >10 To 25, Add	96.12	
For >25 To 50, Add	64.96	
For >50 To 100, Add	32.48	
For >500 To 1,000, Deduct	-9.08	
For >1,000 To 2,000, Deduct	-13.92	
For >2,000 To 5,000, Deduct	-23.47	
For >5,000, Deduct	-38.72	
33 01 30 72-0036 LF 7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	202.56	
For Vinlyester Resin, Add	122.93	
For Epoxy Resin, Add	14.49	
For Up To >10, Add	168.63	
For >10 To 25, Add	111.26	
For >25 To 50, Add	75.53	
For >50 To 100, Add	37.77	
For >500 To 1,000, Deduct	-10.80	
For >1,000 To 2,000, Deduct	-16.54	
For >2,000 To 5,000, Deduct	-27.81	
For >5,000, Deduct	-45.90	
33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0038 LF 9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	83.34	
For Vinlyester Resin, Add	47.04	
For Epoxy Resin, Add	5.54	
For Up To >10, Add	82.02	
For >10 To 25, Add	57.15	
For >25 To 50, Add	37.65	
For >50 To 100, Add	18.83	
For >500 To 1,000, Deduct	-4.57	
For >1,000 To 2,000, Deduct	-7.06	
For >2,000 To 5,000, Deduct	-12.10	
For >5,000, Deduct	-19.90	
33 01 30 72-0039 LF 9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	108.55	
For Vinlyester Resin, Add	63.71	
For Epoxy Resin, Add	7.51	
For Up To >10, Add	98.13	
For >10 To 25, Add	66.60	
For >25 To 50, Add	44.51	
For >50 To 100, Add	22.26	
For >500 To 1,000, Deduct	-5.87	
For >1,000 To 2,000, Deduct	-9.02	
For >2,000 To 5,000, Deduct	-15.31	
For >5,000, Deduct	-25.22	
33 01 30 72-0040 LF 9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	133.91	
For Vinlyester Resin, Add	80.37	
For Epoxy Resin, Add	9.47	
For Up To >10, Add	114.68	
For >10 To 25, Add	76.43	
For >25 To 50, Add	51.60	
For >50 To 100, Add	25.80	
For >500 To 1,000, Deduct	-7.17	
For >1,000 To 2,000, Deduct	-11.00	
For >2,000 To 5,000, Deduct	-18.55	
For >5,000, Deduct	-30.60	
33 01 30 72-0041 LF 9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	159.67	
For Vinlyester Resin, Add	97.03	
For Epoxy Resin, Add	11.44	
For Up To >10, Add	132.46	
For >10 To 25, Add	87.28	
For >25 To 50, Add	59.30	
For >50 To 100, Add	29.65	
For >500 To 1,000, Deduct	-8.51	
For >1,000 To 2,000, Deduct	-13.03	
For >2,000 To 5,000, Deduct	-21.90	
For >5,000, Deduct	-36.14	
33 01 30 72-0042 LF 9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	198.19	
For Vinlyester Resin, Add	122.03	
For Epoxy Resin, Add	14.38	
For Up To >10, Add	158.75	
For >10 To 25, Add	103.23	
For >25 To 50, Add	70.66	
For >50 To 100, Add	35.33	
For >500 To 1,000, Deduct	-10.51	
For >1,000 To 2,000, Deduct	-16.06	
For >2,000 To 5,000, Deduct	-26.88	
For >5,000, Deduct	-44.41	
33 01 30 72-0043 LF 9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	236.98	
For Vinlyester Resin, Add	147.03	
For Epoxy Resin, Add	17.33	
For Up To >10, Add	185.84	
For >10 To 25, Add	119.86	
For >25 To 50, Add	82.42	
For >50 To 100, Add	41.21	
For >500 To 1,000, Deduct	-12.52	
For >1,000 To 2,000, Deduct	-19.12	
For >2,000 To 5,000, Deduct	-31.94	
For >5,000, Deduct	-52.78	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0044	LF 9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	274.94	
	For Vinylster Resin, Add	172.02	
	For Epoxy Resin, Add	20.27	
	For Up To >10, Add	210.47	
	For >10 To 25, Add	134.44	
	For >25 To 50, Add	92.95	
	For >50 To 100, Add	46.47	
	For >500 To 1,000, Deduct	-14.48	
	For >1,000 To 2,000, Deduct	-22.08	
	For >2,000 To 5,000, Deduct	-36.79	
	For >5,000, Deduct	-60.83	
33 01 30 72-0045	LF 9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	313.32	
	For Vinylster Resin, Add	197.02	
	For Epoxy Resin, Add	23.22	
	For Up To >10, Add	236.31	
	For >10 To 25, Add	150.02	
	For >25 To 50, Add	104.08	
	For >50 To 100, Add	52.04	
	For >500 To 1,000, Deduct	-16.46	
	For >1,000 To 2,000, Deduct	-25.09	
	For >2,000 To 5,000, Deduct	-41.74	
	For >5,000, Deduct	-69.04	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0047	LF 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	226.42	
	For Vinylster Resin, Add	141.79	
	For Epoxy Resin, Add	16.71	
	For Up To >10, Add	172.86	
	For >10 To 25, Add	110.29	
	For >25 To 50, Add	76.30	
	For >50 To 100, Add	38.15	
	For >500 To 1,000, Deduct	-11.92	
	For >1,000 To 2,000, Deduct	-18.17	
	For >2,000 To 5,000, Deduct	-30.27	
	For >5,000, Deduct	-50.06	
33 01 30 72-0048	LF 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	271.16	
	For Vinylster Resin, Add	170.95	
	For Epoxy Resin, Add	20.15	
	For Up To >10, Add	202.93	
	For >10 To 25, Add	128.41	
	For >25 To 50, Add	89.25	
	For >50 To 100, Add	44.63	
	For >500 To 1,000, Deduct	-14.23	
	For >1,000 To 2,000, Deduct	-21.68	
	For >2,000 To 5,000, Deduct	-36.04	
	For >5,000, Deduct	-59.62	
33 01 30 72-0049	LF 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	315.09	
	For Vinylster Resin, Add	200.12	
	For Epoxy Resin, Add	23.59	
	For Up To >10, Add	230.55	
	For >10 To 25, Add	144.47	
	For >25 To 50, Add	100.98	
	For >50 To 100, Add	50.49	
	For >500 To 1,000, Deduct	-16.48	
	For >1,000 To 2,000, Deduct	-25.09	
	For >2,000 To 5,000, Deduct	-41.61	
	For >5,000, Deduct	-68.86	
33 01 30 72-0050	LF 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	359.40	
	For Vinylster Resin, Add	229.28	
	For Epoxy Resin, Add	27.02	
	For Up To >10, Add	259.35	
	For >10 To 25, Add	161.54	
	For >25 To 50, Add	113.30	
	For >50 To 100, Add	56.65	
	For >500 To 1,000, Deduct	-18.77	
	For >1,000 To 2,000, Deduct	-28.55	
	For >2,000 To 5,000, Deduct	-47.27	
	For >5,000, Deduct	-78.25	
33 01 30 72-0051	LF 10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	404.29	
	For Vinylster Resin, Add	258.44	
	For Epoxy Resin, Add	30.46	
	For Up To >10, Add	289.87	
	For >10 To 25, Add	180.03	
	For >25 To 50, Add	126.48	
	For >50 To 100, Add	63.24	
	For >500 To 1,000, Deduct	-21.09	
	For >1,000 To 2,000, Deduct	-32.08	
	For >2,000 To 5,000, Deduct	-53.08	
	For >5,000, Deduct	-87.88	
33 01 30 72-0052	LF 10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	449.88	
	For Vinylster Resin, Add	287.61	
	For Epoxy Resin, Add	33.90	
	For Up To >10, Add	322.47	
	For >10 To 25, Add	200.24	
	For >25 To 50, Add	140.69	
	For >50 To 100, Add	70.34	
	For >500 To 1,000, Deduct	-23.47	
	For >1,000 To 2,000, Deduct	-35.69	
	For >2,000 To 5,000, Deduct	-59.06	
	For >5,000, Deduct	-97.78	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0053 LF 10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	538.12	
For Vinlyester Resin, Add	345.93	
For Epoxy Resin, Add	40.77	
For Up To >10, Add	378.89	
For >10 To 25, Add	233.37	
For >25 To 50, Add	164.73	
For >50 To 100, Add	82.37	
For >500 To 1,000, Deduct	-28.00	
For >1,000 To 2,000, Deduct	-42.56	
For >2,000 To 5,000, Deduct	-70.29	
For >5,000, Deduct	-116.41	
33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0055 LF 12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	254.42	
For Vinlyester Resin, Add	161.39	
For Epoxy Resin, Add	19.02	
For Up To >10, Add	186.86	
For >10 To 25, Add	117.29	
For >25 To 50, Add	81.90	
For >50 To 100, Add	40.95	
For >500 To 1,000, Deduct	-13.32	
For >1,000 To 2,000, Deduct	-20.27	
For >2,000 To 5,000, Deduct	-33.63	
For >5,000, Deduct	-55.66	
33 01 30 72-0056 LF 12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	305.12	
For Vinlyester Resin, Add	194.73	
For Epoxy Resin, Add	22.95	
For Up To >10, Add	219.91	
For >10 To 25, Add	136.90	
For >25 To 50, Add	96.05	
For >50 To 100, Add	48.02	
For >500 To 1,000, Deduct	-15.93	
For >1,000 To 2,000, Deduct	-24.23	
For >2,000 To 5,000, Deduct	-40.12	
For >5,000, Deduct	-66.41	
33 01 30 72-0057 LF 12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	354.99	
For Vinlyester Resin, Add	228.05	
For Epoxy Resin, Add	26.88	
For Up To >10, Add	250.50	
For >10 To 25, Add	154.45	
For >25 To 50, Add	108.96	
For >50 To 100, Add	54.48	
For >500 To 1,000, Deduct	-18.48	
For >1,000 To 2,000, Deduct	-28.08	
For >2,000 To 5,000, Deduct	-46.39	
For >5,000, Deduct	-76.84	
33 01 30 72-0058 LF 12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	405.26	
For Vinlyester Resin, Add	261.38	
For Epoxy Resin, Add	30.81	
For Up To >10, Add	282.28	
For >10 To 25, Add	173.00	
For >25 To 50, Add	122.47	
For >50 To 100, Add	61.24	
For >500 To 1,000, Deduct	-21.06	
For >1,000 To 2,000, Deduct	-31.99	
For >2,000 To 5,000, Deduct	-52.77	
For >5,000, Deduct	-87.42	
33 01 30 72-0059 LF 12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	456.10	
For Vinlyester Resin, Add	294.71	
For Epoxy Resin, Add	34.73	
For Up To >10, Add	315.78	
For >10 To 25, Add	192.98	
For >25 To 50, Add	136.84	
For >50 To 100, Add	68.42	
For >500 To 1,000, Deduct	-23.68	
For >1,000 To 2,000, Deduct	-35.96	
For >2,000 To 5,000, Deduct	-59.29	
For >5,000, Deduct	-98.24	
33 01 30 72-0060 LF 12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	507.63	
For Vinlyester Resin, Add	328.03	
For Epoxy Resin, Add	38.66	
For Up To >10, Add	351.34	
For >10 To 25, Add	214.68	
For >25 To 50, Add	152.24	
For >50 To 100, Add	76.12	
For >500 To 1,000, Deduct	-26.36	
For >1,000 To 2,000, Deduct	-40.02	
For >2,000 To 5,000, Deduct	-65.99	
For >5,000, Deduct	-109.33	
33 01 30 72-0061 LF 12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	607.78	
For Vinlyester Resin, Add	394.70	
For Epoxy Resin, Add	46.52	
For Up To >10, Add	413.72	
For >10 To 25, Add	250.79	
For >25 To 50, Add	178.67	
For >50 To 100, Add	89.33	
For >500 To 1,000, Deduct	-31.49	
For >1,000 To 2,000, Deduct	-47.78	
For >2,000 To 5,000, Deduct	-78.64	
For >5,000, Deduct	-130.34	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0062	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	709.18	
		For Vinylester Resin, Add	461.35	
		For Epoxy Resin, Add	54.37	
		For Up To >10, Add	479.87	
		For >10 To 25, Add	290.04	
		For >25 To 50, Add	206.98	
		For >50 To 100, Add	103.49	
		For >500 To 1,000, Deduct	-36.71	
		For >1,000 To 2,000, Deduct	-55.69	
		For >2,000 To 5,000, Deduct	-91.62	
		For >5,000, Deduct	-151.86	
33 01 30 72-0063	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	812.81	
		For Vinylester Resin, Add	528.00	
		For Epoxy Resin, Add	62.23	
		For Up To >10, Add	552.71	
		For >10 To 25, Add	334.87	
		For >25 To 50, Add	238.64	
		For >50 To 100, Add	119.32	
		For >500 To 1,000, Deduct	-42.10	
		For >1,000 To 2,000, Deduct	-63.89	
		For >2,000 To 5,000, Deduct	-105.14	
		For >5,000, Deduct	-174.27	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0065	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	282.19	
		For Vinylester Resin, Add	180.83	
		For Epoxy Resin, Add	21.31	
		For Up To >10, Add	200.75	
		For >10 To 25, Add	124.23	
		For >25 To 50, Add	87.46	
		For >50 To 100, Add	43.73	
		For >500 To 1,000, Deduct	-14.71	
		For >1,000 To 2,000, Deduct	-22.36	
		For >2,000 To 5,000, Deduct	-36.96	
		For >5,000, Deduct	-61.21	
33 01 30 72-0066	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	338.84	
		For Vinylester Resin, Add	218.33	
		For Epoxy Resin, Add	25.73	
		For Up To >10, Add	236.77	
		For >10 To 25, Add	145.33	
		For >25 To 50, Add	102.79	
		For >50 To 100, Add	51.40	
		For >500 To 1,000, Deduct	-17.62	
		For >1,000 To 2,000, Deduct	-26.76	
		For >2,000 To 5,000, Deduct	-44.16	
		For >5,000, Deduct	-73.16	
33 01 30 72-0067	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	394.66	
		For Vinylester Resin, Add	255.82	
		For Epoxy Resin, Add	30.15	
		For Up To >10, Add	270.33	
		For >10 To 25, Add	164.37	
		For >25 To 50, Add	116.89	
		For >50 To 100, Add	58.45	
		For >500 To 1,000, Deduct	-20.46	
		For >1,000 To 2,000, Deduct	-31.06	
		For >2,000 To 5,000, Deduct	-51.16	
		For >5,000, Deduct	-84.77	
33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	450.88	
		For Vinylester Resin, Add	293.31	
		For Epoxy Resin, Add	34.57	
		For Up To >10, Add	305.09	
		For >10 To 25, Add	184.41	
		For >25 To 50, Add	131.59	
		For >50 To 100, Add	65.80	
		For >500 To 1,000, Deduct	-23.34	
		For >1,000 To 2,000, Deduct	-35.41	
		For >2,000 To 5,000, Deduct	-58.25	
		For >5,000, Deduct	-96.55	
33 01 30 72-0069	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	507.68	
		For Vinylester Resin, Add	330.81	
		For Epoxy Resin, Add	38.99	
		For Up To >10, Add	341.57	
		For >10 To 25, Add	205.87	
		For >25 To 50, Add	147.15	
		For >50 To 100, Add	73.58	
		For >500 To 1,000, Deduct	-26.26	
		For >1,000 To 2,000, Deduct	-39.83	
		For >2,000 To 5,000, Deduct	-65.48	
		For >5,000, Deduct	-108.55	
33 01 30 72-0070	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	565.16	
		For Vinylester Resin, Add	368.31	
		For Epoxy Resin, Add	43.41	
		For Up To >10, Add	380.11	
		For >10 To 25, Add	229.06	
		For >25 To 50, Add	163.75	
		For >50 To 100, Add	81.87	
		For >500 To 1,000, Deduct	-29.23	
		For >1,000 To 2,000, Deduct	-44.34	
		For >2,000 To 5,000, Deduct	-72.89	
		For >5,000, Deduct	-120.83	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0071 LF 13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	677.21	
For Vinlyester Resin, Add	443.30	
For Epoxy Resin, Add	52.25	
For Up To >10, Add	448.43	
For >10 To 25, Add	268.15	
For >25 To 50, Add	192.55	
For >50 To 100, Add	96.28	
For >500 To 1,000, Deduct	-34.96	
For >1,000 To 2,000, Deduct	-52.99	
For >2,000 To 5,000, Deduct	-86.98	
For >5,000, Deduct	-144.23	
33 01 30 72-0072 LF 13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	790.51	
For Vinlyester Resin, Add	518.28	
For Epoxy Resin, Add	61.08	
For Up To >10, Add	520.53	
For >10 To 25, Add	310.38	
For >25 To 50, Add	223.25	
For >50 To 100, Add	111.62	
For >500 To 1,000, Deduct	-40.78	
For >1,000 To 2,000, Deduct	-61.79	
For >2,000 To 5,000, Deduct	-101.38	
For >5,000, Deduct	-168.12	
33 01 30 72-0073 LF 13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	906.05	
For Vinlyester Resin, Add	593.27	
For Epoxy Resin, Add	69.92	
For Up To >10, Add	599.33	
For >10 To 25, Add	358.18	
For >25 To 50, Add	257.29	
For >50 To 100, Add	128.64	
For >500 To 1,000, Deduct	-46.77	
For >1,000 To 2,000, Deduct	-70.88	
For >2,000 To 5,000, Deduct	-116.33	
For >5,000, Deduct	-192.91	
 33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0075 LF 15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	309.72	
For Vinlyester Resin, Add	200.10	
For Epoxy Resin, Add	23.58	
For Up To >10, Add	214.51	
For >10 To 25, Add	131.12	
For >25 To 50, Add	92.96	
For >50 To 100, Add	46.48	
For >500 To 1,000, Deduct	-16.08	
For >1,000 To 2,000, Deduct	-24.42	
For >2,000 To 5,000, Deduct	-40.27	
For >5,000, Deduct	-66.72	
33 01 30 72-0076 LF 15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	372.32	
For Vinlyester Resin, Add	241.77	
For Epoxy Resin, Add	28.49	
For Up To >10, Add	253.51	
For >10 To 25, Add	153.70	
For >25 To 50, Add	109.49	
For >50 To 100, Add	54.74	
For >500 To 1,000, Deduct	-19.29	
For >1,000 To 2,000, Deduct	-29.27	
For >2,000 To 5,000, Deduct	-48.18	
For >5,000, Deduct	-79.85	
33 01 30 72-0077 LF 15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	434.09	
For Vinlyester Resin, Add	283.42	
For Epoxy Resin, Add	33.40	
For Up To >10, Add	290.05	
For >10 To 25, Add	174.22	
For >25 To 50, Add	124.78	
For >50 To 100, Add	62.39	
For >500 To 1,000, Deduct	-22.43	
For >1,000 To 2,000, Deduct	-34.02	
For >2,000 To 5,000, Deduct	-55.89	
For >5,000, Deduct	-92.66	
33 01 30 72-0078 LF 15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	496.27	
For Vinlyester Resin, Add	325.09	
For Epoxy Resin, Add	38.31	
For Up To >10, Add	327.79	
For >10 To 25, Add	195.75	
For >25 To 50, Add	140.67	
For >50 To 100, Add	70.34	
For >500 To 1,000, Deduct	-25.61	
For >1,000 To 2,000, Deduct	-38.81	
For >2,000 To 5,000, Deduct	-63.69	
For >5,000, Deduct	-105.63	
33 01 30 72-0079 LF 15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	559.01	
For Vinlyester Resin, Add	366.74	
For Epoxy Resin, Add	43.22	
For Up To >10, Add	367.23	
For >10 To 25, Add	218.71	
For >25 To 50, Add	157.42	
For >50 To 100, Add	78.71	
For >500 To 1,000, Deduct	-28.83	
For >1,000 To 2,000, Deduct	-43.68	
For >2,000 To 5,000, Deduct	-71.64	
For >5,000, Deduct	-118.82	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0080	LF 15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	622.45	
	For Vinylester Resin, Add	408.41	
	For Epoxy Resin, Add	48.13	
	For Up To >10, Add	408.75	
	For >10 To 25, Add	243.39	
	For >25 To 50, Add	175.20	
	For >50 To 100, Add	87.60	
	For >500 To 1,000, Deduct	-32.10	
	For >1,000 To 2,000, Deduct	-48.63	
	For >2,000 To 5,000, Deduct	-79.77	
	For >5,000, Deduct	-132.29	
33 01 30 72-0081	LF 15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	746.40	
	For Vinylester Resin, Add	491.73	
	For Epoxy Resin, Add	57.95	
	For Up To >10, Add	483.03	
	For >10 To 25, Add	285.44	
	For >25 To 50, Add	206.39	
	For >50 To 100, Add	103.19	
	For >500 To 1,000, Deduct	-38.42	
	For >1,000 To 2,000, Deduct	-58.18	
	For >2,000 To 5,000, Deduct	-95.28	
	For >5,000, Deduct	-158.07	
33 01 30 72-0082	LF 15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	871.61	
	For Vinylester Resin, Add	575.05	
	For Epoxy Resin, Add	67.77	
	For Up To >10, Add	561.08	
	For >10 To 25, Add	330.65	
	For >25 To 50, Add	239.47	
	For >50 To 100, Add	119.73	
	For >500 To 1,000, Deduct	-44.83	
	For >1,000 To 2,000, Deduct	-67.88	
	For >2,000 To 5,000, Deduct	-111.11	
	For >5,000, Deduct	-184.34	
33 01 30 72-0083	LF 15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	999.05	
	For Vinylester Resin, Add	658.37	
	For Epoxy Resin, Add	77.59	
	For Up To >10, Add	645.83	
	For >10 To 25, Add	381.43	
	For >25 To 50, Add	275.89	
	For >50 To 100, Add	137.94	
	For >500 To 1,000, Deduct	-51.42	
	For >1,000 To 2,000, Deduct	-77.85	
	For >2,000 To 5,000, Deduct	-127.49	
	For >5,000, Deduct	-211.51	

33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0085	LF 16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	405.56	
	For Vinylester Resin, Add	265.03	
	For Epoxy Resin, Add	31.24	
	For Up To >10, Add	270.13	
	For >10 To 25, Add	162.01	
	For >25 To 50, Add	116.13	
	For >50 To 100, Add	58.07	
	For >500 To 1,000, Deduct	-20.95	
	For >1,000 To 2,000, Deduct	-31.76	
	For >2,000 To 5,000, Deduct	-52.17	
	For >5,000, Deduct	-86.50	
33 01 30 72-0086	LF 16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	473.29	
	For Vinylester Resin, Add	310.86	
	For Epoxy Resin, Add	36.64	
	For Up To >10, Add	309.65	
	For >10 To 25, Add	184.02	
	For >25 To 50, Add	132.62	
	For >50 To 100, Add	66.31	
	For >500 To 1,000, Deduct	-24.39	
	For >1,000 To 2,000, Deduct	-36.96	
	For >2,000 To 5,000, Deduct	-60.59	
	For >5,000, Deduct	-100.50	
33 01 30 72-0087	LF 16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	541.42	
	For Vinylester Resin, Add	356.69	
	For Epoxy Resin, Add	42.04	
	For Up To >10, Add	350.36	
	For >10 To 25, Add	207.04	
	For >25 To 50, Add	149.70	
	For >50 To 100, Add	74.85	
	For >500 To 1,000, Deduct	-27.87	
	For >1,000 To 2,000, Deduct	-42.20	
	For >2,000 To 5,000, Deduct	-69.11	
	For >5,000, Deduct	-114.66	
33 01 30 72-0088	LF 16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	610.12	
	For Vinylester Resin, Add	402.52	
	For Epoxy Resin, Add	47.44	
	For Up To >10, Add	392.79	
	For >10 To 25, Add	231.48	
	For >25 To 50, Add	167.64	
	For >50 To 100, Add	83.82	
	For >500 To 1,000, Deduct	-31.38	
	For >1,000 To 2,000, Deduct	-47.51	
	For >2,000 To 5,000, Deduct	-77.78	
	For >5,000, Deduct	-129.04	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0089 LF 16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	679.50	
For Vinlyester Resin, Add	448.34	
For Epoxy Resin, Add	52.84	
For Up To >10, Add	437.28	
For >10 To 25, Add	257.65	
For >25 To 50, Add	186.61	
For >50 To 100, Add	93.31	
For >500 To 1,000, Deduct	-34.95	
For >1,000 To 2,000, Deduct	-52.91	
For >2,000 To 5,000, Deduct	-86.61	
For >5,000, Deduct	-143.70	
33 01 30 72-0090 LF 16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	815.36	
For Vinlyester Resin, Add	540.00	
For Epoxy Resin, Add	63.64	
For Up To >10, Add	517.51	
For >10 To 25, Add	302.68	
For >25 To 50, Add	220.18	
For >50 To 100, Add	110.09	
For >500 To 1,000, Deduct	-41.87	
For >1,000 To 2,000, Deduct	-63.35	
For >2,000 To 5,000, Deduct	-103.55	
For >5,000, Deduct	-171.86	
33 01 30 72-0091 LF 16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	952.47	
For Vinlyester Resin, Add	631.65	
For Epoxy Resin, Add	74.44	
For Up To >10, Add	601.51	
For >10 To 25, Add	350.87	
For >25 To 50, Add	255.64	
For >50 To 100, Add	127.82	
For >500 To 1,000, Deduct	-48.88	
For >1,000 To 2,000, Deduct	-73.94	
For >2,000 To 5,000, Deduct	-120.81	
For >5,000, Deduct	-200.52	
33 01 30 72-0092 LF 16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,091.81	
For Vinlyester Resin, Add	723.30	
For Epoxy Resin, Add	85.25	
For Up To >10, Add	692.21	
For >10 To 25, Add	404.62	
For >25 To 50, Add	294.44	
For >50 To 100, Add	147.22	
For >500 To 1,000, Deduct	-56.05	
For >1,000 To 2,000, Deduct	-84.81	
For >2,000 To 5,000, Deduct	-138.62	
For >5,000, Deduct	-230.07	
33 01 30 72-0093 LF 16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,230.20	
For Vinlyester Resin, Add	814.96	
For Epoxy Resin, Add	96.05	
For Up To >10, Add	780.03	
For >10 To 25, Add	455.98	
For >25 To 50, Add	331.80	
For >50 To 100, Add	165.90	
For >500 To 1,000, Deduct	-63.16	
For >1,000 To 2,000, Deduct	-95.56	
For >2,000 To 5,000, Deduct	-156.20	
For >5,000, Deduct	-259.23	
33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0095 LF 18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	439.29	
For Vinlyester Resin, Add	288.15	
For Epoxy Resin, Add	33.96	
For Up To >10, Add	288.77	
For >10 To 25, Add	172.04	
For >25 To 50, Add	123.80	
For >50 To 100, Add	61.90	
For >500 To 1,000, Deduct	-22.66	
For >1,000 To 2,000, Deduct	-34.33	
For >2,000 To 5,000, Deduct	-56.31	
For >5,000, Deduct	-93.39	
33 01 30 72-0096 LF 18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	513.09	
For Vinlyester Resin, Add	338.14	
For Epoxy Resin, Add	39.85	
For Up To >10, Add	331.62	
For >10 To 25, Add	195.84	
For >25 To 50, Add	141.66	
For >50 To 100, Add	70.83	
For >500 To 1,000, Deduct	-26.41	
For >1,000 To 2,000, Deduct	-39.98	
For >2,000 To 5,000, Deduct	-65.47	
For >5,000, Deduct	-108.62	
33 01 30 72-0097 LF 18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	587.18	
For Vinlyester Resin, Add	388.14	
For Epoxy Resin, Add	45.74	
For Up To >10, Add	375.34	
For >10 To 25, Add	220.37	
For >25 To 50, Add	159.95	
For >50 To 100, Add	79.97	
For >500 To 1,000, Deduct	-30.18	
For >1,000 To 2,000, Deduct	-45.67	
For >2,000 To 5,000, Deduct	-74.71	
For >5,000, Deduct	-123.98	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0098	LF 18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	661.97	
	For Vinylster Resin, Add	438.13	
	For Epoxy Resin, Add	51.64	
	For Up To >10, Add	421.16	
	For >10 To 25, Add	246.65	
	For >25 To 50, Add	179.29	
	For >50 To 100, Add	89.64	
	For >500 To 1,000, Deduct	-34.00	
	For >1,000 To 2,000, Deduct	-51.45	
	For >2,000 To 5,000, Deduct	-84.13	
	For >5,000, Deduct	-139.61	
33 01 30 72-0099	LF 18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	737.31	
	For Vinylster Resin, Add	488.12	
	For Epoxy Resin, Add	57.53	
	For Up To >10, Add	468.66	
	For >10 To 25, Add	274.33	
	For >25 To 50, Add	199.46	
	For >50 To 100, Add	99.73	
	For >500 To 1,000, Deduct	-37.87	
	For >1,000 To 2,000, Deduct	-57.30	
	For >2,000 To 5,000, Deduct	-93.68	
	For >5,000, Deduct	-155.46	
33 01 30 72-0100	LF 18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	886.18	
	For Vinylster Resin, Add	588.11	
	For Epoxy Resin, Add	69.31	
	For Up To >10, Add	558.17	
	For >10 To 25, Add	325.11	
	For >25 To 50, Add	237.08	
	For >50 To 100, Add	118.54	
	For >500 To 1,000, Deduct	-45.46	
	For >1,000 To 2,000, Deduct	-68.77	
	For >2,000 To 5,000, Deduct	-112.33	
	For >5,000, Deduct	-186.44	
33 01 30 72-0101	LF 18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,035.62	
	For Vinylster Resin, Add	688.09	
	For Epoxy Resin, Add	81.10	
	For Up To >10, Add	649.39	
	For >10 To 25, Add	377.32	
	For >25 To 50, Add	275.54	
	For >50 To 100, Add	137.77	
	For >500 To 1,000, Deduct	-53.10	
	For >1,000 To 2,000, Deduct	-80.30	
	For >2,000 To 5,000, Deduct	-131.12	
	For >5,000, Deduct	-217.65	
33 01 30 72-0102	LF 18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,187.29	
	For Vinylster Resin, Add	788.07	
	For Epoxy Resin, Add	92.88	
	For Up To >10, Add	747.32	
	For >10 To 25, Add	435.13	
	For >25 To 50, Add	317.37	
	For >50 To 100, Add	158.68	
	For >500 To 1,000, Deduct	-60.90	
	For >1,000 To 2,000, Deduct	-92.12	
	For >2,000 To 5,000, Deduct	-150.47	
	For >5,000, Deduct	-249.75	
33 01 30 72-0103	LF 18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,337.99	
	For Vinylster Resin, Add	888.06	
	For Epoxy Resin, Add	104.66	
	For Up To >10, Add	842.32	
	For >10 To 25, Add	490.49	
	For >25 To 50, Add	357.73	
	For >50 To 100, Add	178.86	
	For >500 To 1,000, Deduct	-68.63	
	For >1,000 To 2,000, Deduct	-103.82	
	For >2,000 To 5,000, Deduct	-169.57	
	For >5,000, Deduct	-281.46	
33 01 30 72-0104	LF 18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,488.55	
	For Vinylster Resin, Add	988.05	
	For Epoxy Resin, Add	116.45	
	For Up To >10, Add	936.90	
	For >10 To 25, Add	545.50	
	For >25 To 50, Add	397.88	
	For >50 To 100, Add	198.94	
	For >500 To 1,000, Deduct	-76.35	
	For >1,000 To 2,000, Deduct	-115.49	
	For >2,000 To 5,000, Deduct	-188.64	
	For >5,000, Deduct	-313.12	
33 01 30 72-0105	LF 18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,639.67	
	For Vinylster Resin, Add	1,088.04	
	For Epoxy Resin, Add	128.23	
	For Up To >10, Add	1,033.16	
	For >10 To 25, Add	601.91	
	For >25 To 50, Add	438.86	
	For >50 To 100, Add	219.43	
	For >500 To 1,000, Deduct	-84.12	
	For >1,000 To 2,000, Deduct	-127.24	
	For >2,000 To 5,000, Deduct	-207.85	
	For >5,000, Deduct	-345.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0106	LF		18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,790.36	
			For Vinlyester Resin, Add	1,188.02	
			For Epoxy Resin, Add	140.02	
			For Up To >10, Add	1,128.16	
			For >10 To 25, Add	657.27	
			For >25 To 50, Add	479.22	
			For >50 To 100, Add	239.61	
			For >500 To 1,000, Deduct	-91.85	
			For >1,000 To 2,000, Deduct	-138.94	
			For >2,000 To 5,000, Deduct	-226.96	
			For >5,000, Deduct	-376.71	
33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)					
33 01 30 72-0108	LF		19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	473.19	
			For Vinlyester Resin, Add	311.09	
			For Epoxy Resin, Add	36.66	
			For Up To >10, Add	308.52	
			For >10 To 25, Add	183.03	
			For >25 To 50, Add	132.04	
			For >50 To 100, Add	66.02	
			For >500 To 1,000, Deduct	-24.38	
			For >1,000 To 2,000, Deduct	-36.93	
			For >2,000 To 5,000, Deduct	-60.52	
			For >5,000, Deduct	-100.39	
33 01 30 72-0109	LF		19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	552.95	
			For Vinlyester Resin, Add	365.25	
			For Epoxy Resin, Add	43.05	
			For Up To >10, Add	354.38	
			For >10 To 25, Add	208.35	
			For >25 To 50, Add	151.10	
			For >50 To 100, Add	75.55	
			For >500 To 1,000, Deduct	-28.43	
			For >1,000 To 2,000, Deduct	-43.03	
			For >2,000 To 5,000, Deduct	-70.40	
			For >5,000, Deduct	-116.82	
33 01 30 72-0110	LF		19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	633.12	
			For Vinlyester Resin, Add	419.41	
			For Epoxy Resin, Add	49.43	
			For Up To >10, Add	401.46	
			For >10 To 25, Add	234.69	
			For >25 To 50, Add	170.77	
			For >50 To 100, Add	85.39	
			For >500 To 1,000, Deduct	-32.51	
			For >1,000 To 2,000, Deduct	-49.18	
			For >2,000 To 5,000, Deduct	-80.39	
			For >5,000, Deduct	-133.42	
33 01 30 72-0111	LF		19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	713.58	
			For Vinlyester Resin, Add	473.57	
			For Epoxy Resin, Add	55.81	
			For Up To >10, Add	449.42	
			For >10 To 25, Add	261.76	
			For >25 To 50, Add	190.88	
			For >50 To 100, Add	95.44	
			For >500 To 1,000, Deduct	-36.61	
			For >1,000 To 2,000, Deduct	-55.37	
			For >2,000 To 5,000, Deduct	-90.45	
			For >5,000, Deduct	-150.13	
33 01 30 72-0112	LF		19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	795.17	
			For Vinlyester Resin, Add	527.73	
			For Epoxy Resin, Add	62.20	
			For Up To >10, Add	500.76	
			For >10 To 25, Add	291.65	
			For >25 To 50, Add	212.69	
			For >50 To 100, Add	106.34	
			For >500 To 1,000, Deduct	-40.79	
			For >1,000 To 2,000, Deduct	-61.70	
			For >2,000 To 5,000, Deduct	-100.79	
			For >5,000, Deduct	-167.29	
33 01 30 72-0113	LF		19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	957.20	
			For Vinlyester Resin, Add	636.05	
			For Epoxy Resin, Add	74.96	
			For Up To >10, Add	600.00	
			For >10 To 25, Add	348.56	
			For >25 To 50, Add	254.57	
			For >50 To 100, Add	127.28	
			For >500 To 1,000, Deduct	-49.07	
			For >1,000 To 2,000, Deduct	-74.22	
			For >2,000 To 5,000, Deduct	-121.18	
			For >5,000, Deduct	-201.15	
33 01 30 72-0114	LF		19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,119.66	
			For Vinlyester Resin, Add	744.37	
			For Epoxy Resin, Add	87.73	
			For Up To >10, Add	700.53	
			For >10 To 25, Add	406.55	
			For >25 To 50, Add	297.10	
			For >50 To 100, Add	148.55	
			For >500 To 1,000, Deduct	-57.39	
			For >1,000 To 2,000, Deduct	-86.79	
			For >2,000 To 5,000, Deduct	-141.68	
			For >5,000, Deduct	-235.19	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0115	LF 19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,283.10
	For Vinylester Resin, Add	852.68
	For Epoxy Resin, Add	100.49
	For Up To >10, Add	804.00
	For >10 To 25, Add	466.98
	For >25 To 50, Add	341.09
	For >50 To 100, Add	170.55
	For >500 To 1,000, Deduct	-65.78
	For >1,000 To 2,000, Deduct	-99.48
	For >2,000 To 5,000, Deduct	-162.42
	For >5,000, Deduct	-269.62
33 01 30 72-0116	LF 19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,446.12
	For Vinylester Resin, Add	961.00
	For Epoxy Resin, Add	113.26
	For Up To >10, Add	906.21
	For >10 To 25, Add	526.37
	For >25 To 50, Add	384.46
	For >50 To 100, Add	192.23
	For >500 To 1,000, Deduct	-74.14
	For >1,000 To 2,000, Deduct	-112.12
	For >2,000 To 5,000, Deduct	-183.06
	For >5,000, Deduct	-303.88
33 01 30 72-0117	LF 19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,609.15
	For Vinylester Resin, Add	1,069.32
	For Epoxy Resin, Add	126.03
	For Up To >10, Add	1,008.45
	For >10 To 25, Add	585.78
	For >25 To 50, Add	427.85
	For >50 To 100, Add	213.92
	For >500 To 1,000, Deduct	-82.50
	For >1,000 To 2,000, Deduct	-124.76
	For >2,000 To 5,000, Deduct	-203.70
	For >5,000, Deduct	-338.14
33 01 30 72-0118	LF 19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,773.84
	For Vinylester Resin, Add	1,177.64
	For Epoxy Resin, Add	138.79
	For Up To >10, Add	1,115.67
	For >10 To 25, Add	649.34
	For >25 To 50, Add	473.72
	For >50 To 100, Add	236.86
	For >500 To 1,000, Deduct	-90.98
	For >1,000 To 2,000, Deduct	-137.61
	For >2,000 To 5,000, Deduct	-224.76
	For >5,000, Deduct	-373.07
33 01 30 72-0119	LF 19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,937.00
	For Vinylester Resin, Add	1,285.95
	For Epoxy Resin, Add	151.56
	For Up To >10, Add	1,218.33
	For >10 To 25, Add	709.09
	For >25 To 50, Add	517.31
	For >50 To 100, Add	258.65
	For >500 To 1,000, Deduct	-99.35
	For >1,000 To 2,000, Deduct	-150.27
	For >2,000 To 5,000, Deduct	-245.43
	For >5,000, Deduct	-407.39

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0121	LF 21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	506.71
	For Vinylester Resin, Add	333.87
	For Epoxy Resin, Add	39.35
	For Up To >10, Add	327.73
	For >10 To 25, Add	193.62
	For >25 To 50, Add	140.02
	For >50 To 100, Add	70.01
	For >500 To 1,000, Deduct	-26.08
	For >1,000 To 2,000, Deduct	-39.49
	For >2,000 To 5,000, Deduct	-64.67
	For >5,000, Deduct	-107.29
33 01 30 72-0122	LF 21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	592.57
	For Vinylester Resin, Add	392.20
	For Epoxy Resin, Add	46.22
	For Up To >10, Add	376.99
	For >10 To 25, Add	220.77
	For >25 To 50, Add	160.48
	For >50 To 100, Add	80.24
	For >500 To 1,000, Deduct	-30.44
	For >1,000 To 2,000, Deduct	-46.06
	For >2,000 To 5,000, Deduct	-75.30
	For >5,000, Deduct	-124.97
33 01 30 72-0123	LF 21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	678.84
	For Vinylester Resin, Add	450.53
	For Epoxy Resin, Add	53.10
	For Up To >10, Add	427.50
	For >10 To 25, Add	248.98
	For >25 To 50, Add	181.57
	For >50 To 100, Add	90.78
	For >500 To 1,000, Deduct	-34.82
	For >1,000 To 2,000, Deduct	-52.67
	For >2,000 To 5,000, Deduct	-86.04
	For >5,000, Deduct	-142.81

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0124 LF 21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	764.97	
For Vinlyester Resin, Add	508.85	
For Epoxy Resin, Add	59.97	
For Up To >10, Add	477.59	
For >10 To 25, Add	276.83	
For >25 To 50, Add	202.45	
For >50 To 100, Add	101.22	
For >500 To 1,000, Deduct	-39.20	
For >1,000 To 2,000, Deduct	-59.27	
For >2,000 To 5,000, Deduct	-96.74	
For >5,000, Deduct	-160.60	
33 01 30 72-0125 LF 21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	852.63	
For Vinlyester Resin, Add	567.18	
For Epoxy Resin, Add	66.85	
For Up To >10, Add	532.27	
For >10 To 25, Add	308.51	
For >25 To 50, Add	225.62	
For >50 To 100, Add	112.81	
For >500 To 1,000, Deduct	-43.69	
For >1,000 To 2,000, Deduct	-66.07	
For >2,000 To 5,000, Deduct	-107.83	
For >5,000, Deduct	-179.00	
33 01 30 72-0126 LF 21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,027.98	
For Vinlyester Resin, Add	683.83	
For Epoxy Resin, Add	80.59	
For Up To >10, Add	641.69	
For >10 To 25, Add	371.93	
For >25 To 50, Add	272.00	
For >50 To 100, Add	136.00	
For >500 To 1,000, Deduct	-52.68	
For >1,000 To 2,000, Deduct	-79.65	
For >2,000 To 5,000, Deduct	-130.00	
For >5,000, Deduct	-215.81	
33 01 30 72-0127 LF 21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,203.33	
For Vinlyester Resin, Add	800.48	
For Epoxy Resin, Add	94.34	
For Up To >10, Add	751.14	
For >10 To 25, Add	435.36	
For >25 To 50, Add	318.39	
For >50 To 100, Add	159.20	
For >500 To 1,000, Deduct	-61.66	
For >1,000 To 2,000, Deduct	-93.24	
For >2,000 To 5,000, Deduct	-152.17	
For >5,000, Deduct	-252.62	
33 01 30 72-0128 LF 21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,378.67	
For Vinlyester Resin, Add	917.13	
For Epoxy Resin, Add	108.09	
For Up To >10, Add	860.56	
For >10 To 25, Add	498.77	
For >25 To 50, Add	364.77	
For >50 To 100, Add	182.39	
For >500 To 1,000, Deduct	-70.65	
For >1,000 To 2,000, Deduct	-106.82	
For >2,000 To 5,000, Deduct	-174.34	
For >5,000, Deduct	-289.43	
33 01 30 72-0129 LF 21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,554.01	
For Vinlyester Resin, Add	1,033.77	
For Epoxy Resin, Add	121.84	
For Up To >10, Add	969.98	
For >10 To 25, Add	562.18	
For >25 To 50, Add	411.15	
For >50 To 100, Add	205.57	
For >500 To 1,000, Deduct	-79.63	
For >1,000 To 2,000, Deduct	-120.41	
For >2,000 To 5,000, Deduct	-196.52	
For >5,000, Deduct	-326.24	
33 01 30 72-0130 LF 21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,729.35	
For Vinlyester Resin, Add	1,150.42	
For Epoxy Resin, Add	135.59	
For Up To >10, Add	1,079.40	
For >10 To 25, Add	625.59	
For >25 To 50, Add	457.53	
For >50 To 100, Add	228.76	
For >500 To 1,000, Deduct	-88.61	
For >1,000 To 2,000, Deduct	-134.00	
For >2,000 To 5,000, Deduct	-218.69	
For >5,000, Deduct	-363.05	
33 01 30 72-0131 LF 21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,907.79	
For Vinlyester Resin, Add	1,267.08	
For Epoxy Resin, Add	149.33	
For Up To >10, Add	1,198.10	
For >10 To 25, Add	696.73	
For >25 To 50, Add	508.54	
For >50 To 100, Add	254.27	
For >500 To 1,000, Deduct	-97.83	
For >1,000 To 2,000, Deduct	-147.97	
For >2,000 To 5,000, Deduct	-241.63	
For >5,000, Deduct	-401.09	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,083.42	
		For Vinylester Resin, Add	1,383.73	
		For Epoxy Resin, Add	163.08	
		For Up To >10, Add	1,308.36	
		For >10 To 25, Add	760.84	
		For >25 To 50, Add	555.34	
		For >50 To 100, Add	277.67	
		For >500 To 1,000, Deduct	-106.84	
		For >1,000 To 2,000, Deduct	-161.59	
		For >2,000 To 5,000, Deduct	-263.88	
		For >5,000, Deduct	-438.02	

33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	539.87	
		For Vinylester Resin, Add	356.50	
		For Epoxy Resin, Add	42.02	
		For Up To >10, Add	346.41	
		For >10 To 25, Add	203.80	
		For >25 To 50, Add	147.74	
		For >50 To 100, Add	73.87	
		For >500 To 1,000, Deduct	-27.76	
		For >1,000 To 2,000, Deduct	-42.02	
		For >2,000 To 5,000, Deduct	-68.76	
		For >5,000, Deduct	-114.09	
33 01 30 72-0135	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	631.67	
		For Vinylester Resin, Add	418.99	
		For Epoxy Resin, Add	49.38	
		For Up To >10, Add	398.64	
		For >10 To 25, Add	232.44	
		For >25 To 50, Add	169.39	
		For >50 To 100, Add	84.70	
		For >500 To 1,000, Deduct	-32.41	
		For >1,000 To 2,000, Deduct	-49.03	
		For >2,000 To 5,000, Deduct	-80.11	
		For >5,000, Deduct	-132.96	
33 01 30 72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	724.32	
		For Vinylester Resin, Add	481.48	
		For Epoxy Resin, Add	56.75	
		For Up To >10, Add	453.39	
		For >10 To 25, Add	263.18	
		For >25 To 50, Add	192.30	
		For >50 To 100, Add	96.15	
		For >500 To 1,000, Deduct	-37.13	
		For >1,000 To 2,000, Deduct	-56.15	
		For >2,000 To 5,000, Deduct	-91.66	
		For >5,000, Deduct	-152.16	
33 01 30 72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	817.38	
		For Vinylester Resin, Add	543.97	
		For Epoxy Resin, Add	64.11	
		For Up To >10, Add	509.39	
		For >10 To 25, Add	294.98	
		For >25 To 50, Add	215.84	
		For >50 To 100, Add	107.92	
		For >500 To 1,000, Deduct	-41.88	
		For >1,000 To 2,000, Deduct	-63.32	
		For >2,000 To 5,000, Deduct	-103.32	
		For >5,000, Deduct	-171.53	
33 01 30 72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	911.28	
		For Vinylester Resin, Add	606.46	
		For Epoxy Resin, Add	71.48	
		For Up To >10, Add	567.92	
		For >10 To 25, Add	328.87	
		For >25 To 50, Add	240.64	
		For >50 To 100, Add	120.32	
		For >500 To 1,000, Deduct	-46.69	
		For >1,000 To 2,000, Deduct	-70.59	
		For >2,000 To 5,000, Deduct	-115.19	
		For >5,000, Deduct	-191.24	
33 01 30 72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,099.08	
		For Vinylester Resin, Add	731.44	
		For Epoxy Resin, Add	86.21	
		For Up To >10, Add	684.97	
		For >10 To 25, Add	396.65	
		For >25 To 50, Add	290.24	
		For >50 To 100, Add	145.12	
		For >500 To 1,000, Deduct	-56.31	
		For >1,000 To 2,000, Deduct	-85.14	
		For >2,000 To 5,000, Deduct	-138.93	
		For >5,000, Deduct	-230.65	
33 01 30 72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,286.89	
		For Vinylester Resin, Add	856.42	
		For Epoxy Resin, Add	100.94	
		For Up To >10, Add	802.02	
		For >10 To 25, Add	464.44	
		For >25 To 50, Add	339.84	
		For >50 To 100, Add	169.92	
		For >500 To 1,000, Deduct	-65.93	
		For >1,000 To 2,000, Deduct	-99.69	
		For >2,000 To 5,000, Deduct	-162.67	
		For >5,000, Deduct	-270.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0141 LF 22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,474.70	
For Vinlyester Resin, Add	981.41	
For Epoxy Resin, Add	115.67	
For Up To >10, Add	919.08	
For >10 To 25, Add	532.23	
For >25 To 50, Add	389.44	
For >50 To 100, Add	194.72	
For >500 To 1,000, Deduct	-75.55	
For >1,000 To 2,000, Deduct	-114.24	
For >2,000 To 5,000, Deduct	-186.41	
For >5,000, Deduct	-309.48	
33 01 30 72-0142 LF 22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,662.51	
For Vinlyester Resin, Add	1,106.39	
For Epoxy Resin, Add	130.40	
For Up To >10, Add	1,036.16	
For >10 To 25, Add	600.04	
For >25 To 50, Add	439.05	
For >50 To 100, Add	219.53	
For >500 To 1,000, Deduct	-85.17	
For >1,000 To 2,000, Deduct	-128.79	
For >2,000 To 5,000, Deduct	-210.16	
For >5,000, Deduct	-348.89	
33 01 30 72-0143 LF 22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,850.32	
For Vinlyester Resin, Add	1,231.37	
For Epoxy Resin, Add	145.13	
For Up To >10, Add	1,153.21	
For >10 To 25, Add	667.83	
For >25 To 50, Add	488.65	
For >50 To 100, Add	244.33	
For >500 To 1,000, Deduct	-94.80	
For >1,000 To 2,000, Deduct	-143.34	
For >2,000 To 5,000, Deduct	-233.90	
For >5,000, Deduct	-388.31	
33 01 30 72-0144 LF 22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,041.36	
For Vinlyester Resin, Add	1,356.36	
For Epoxy Resin, Add	159.86	
For Up To >10, Add	1,279.96	
For >10 To 25, Add	743.69	
For >25 To 50, Add	543.10	
For >50 To 100, Add	271.55	
For >500 To 1,000, Deduct	-104.66	
For >1,000 To 2,000, Deduct	-158.29	
For >2,000 To 5,000, Deduct	-258.45	
For >5,000, Deduct	-429.01	
33 01 30 72-0145 LF 22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,229.45	
For Vinlyester Resin, Add	1,481.33	
For Epoxy Resin, Add	174.59	
For Up To >10, Add	1,397.88	
For >10 To 25, Add	812.20	
For >25 To 50, Add	593.13	
For >50 To 100, Add	296.56	
For >500 To 1,000, Deduct	-114.30	
For >1,000 To 2,000, Deduct	-172.87	
For >2,000 To 5,000, Deduct	-282.26	
For >5,000, Deduct	-468.54	
33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0147 LF 24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	572.65	
For Vinlyester Resin, Add	378.95	
For Epoxy Resin, Add	44.66	
For Up To >10, Add	364.58	
For >10 To 25, Add	213.59	
For >25 To 50, Add	155.22	
For >50 To 100, Add	77.61	
For >500 To 1,000, Deduct	-29.42	
For >1,000 To 2,000, Deduct	-44.51	
For >2,000 To 5,000, Deduct	-72.79	
For >5,000, Deduct	-120.79	
33 01 30 72-0148 LF 24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	670.40	
For Vinlyester Resin, Add	445.61	
For Epoxy Resin, Add	52.52	
For Up To >10, Add	419.75	
For >10 To 25, Add	243.70	
For >25 To 50, Add	178.05	
For >50 To 100, Add	89.02	
For >500 To 1,000, Deduct	-34.37	
For >1,000 To 2,000, Deduct	-51.97	
For >2,000 To 5,000, Deduct	-84.84	
For >5,000, Deduct	-140.84	
33 01 30 72-0149 LF 24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	769.41	
For Vinlyester Resin, Add	512.26	
For Epoxy Resin, Add	60.37	
For Up To >10, Add	478.73	
For >10 To 25, Add	276.98	
For >25 To 50, Add	202.78	
For >50 To 100, Add	101.39	
For >500 To 1,000, Deduct	-39.41	
For >1,000 To 2,000, Deduct	-59.59	
For >2,000 To 5,000, Deduct	-97.22	
For >5,000, Deduct	-161.40	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0150	LF 24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	869.54	
	For Vinylster Resin, Add	578.91	
	For Epoxy Resin, Add	68.23	
	For Up To >10, Add	541.07	
	For >10 To 25, Add	313.06	
	For >25 To 50, Add	229.18	
	For >50 To 100, Add	114.59	
	For >500 To 1,000, Deduct	-44.54	
	For >1,000 To 2,000, Deduct	-67.34	
	For >2,000 To 5,000, Deduct	-109.87	
	For >5,000, Deduct	-182.41	
33 01 30 72-0151	LF 24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	969.69	
	For Vinylster Resin, Add	645.58	
	For Epoxy Resin, Add	76.09	
	For Up To >10, Add	603.45	
	For >10 To 25, Add	349.16	
	For >25 To 50, Add	255.61	
	For >50 To 100, Add	127.81	
	For >500 To 1,000, Deduct	-49.67	
	For >1,000 To 2,000, Deduct	-75.10	
	For >2,000 To 5,000, Deduct	-122.53	
	For >5,000, Deduct	-203.43	
33 01 30 72-0152	LF 24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,169.97	
	For Vinylster Resin, Add	778.90	
	For Epoxy Resin, Add	91.80	
	For Up To >10, Add	728.14	
	For >10 To 25, Add	421.33	
	For >25 To 50, Add	308.43	
	For >50 To 100, Add	154.22	
	For >500 To 1,000, Deduct	-59.93	
	For >1,000 To 2,000, Deduct	-90.61	
	For >2,000 To 5,000, Deduct	-147.84	
	For >5,000, Deduct	-245.45	
33 01 30 72-0153	LF 24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,417.12	
	For Vinylster Resin, Add	945.13	
	For Epoxy Resin, Add	111.39	
	For Up To >10, Add	875.91	
	For >10 To 25, Add	504.90	
	For >25 To 50, Add	370.45	
	For >50 To 100, Add	185.22	
	For >500 To 1,000, Deduct	-72.53	
	For >1,000 To 2,000, Deduct	-109.63	
	For >2,000 To 5,000, Deduct	-178.76	
	For >5,000, Deduct	-296.81	
33 01 30 72-0154	LF 24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,570.37	
	For Vinylster Resin, Add	1,045.52	
	For Epoxy Resin, Add	123.22	
	For Up To >10, Add	977.11	
	For >10 To 25, Add	565.33	
	For >25 To 50, Add	413.88	
	For >50 To 100, Add	206.94	
	For >500 To 1,000, Deduct	-80.44	
	For >1,000 To 2,000, Deduct	-121.62	
	For >2,000 To 5,000, Deduct	-198.42	
	For >5,000, Deduct	-329.43	
33 01 30 72-0155	LF 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,770.64	
	For Vinylster Resin, Add	1,178.84	
	For Epoxy Resin, Add	138.93	
	For Up To >10, Add	1,101.80	
	For >10 To 25, Add	637.49	
	For >25 To 50, Add	466.70	
	For >50 To 100, Add	233.35	
	For >500 To 1,000, Deduct	-90.70	
	For >1,000 To 2,000, Deduct	-137.13	
	For >2,000 To 5,000, Deduct	-223.73	
	For >5,000, Deduct	-371.45	
33 01 30 72-0156	LF 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,970.91	
	For Vinylster Resin, Add	1,312.14	
	For Epoxy Resin, Add	154.65	
	For Up To >10, Add	1,226.51	
	For >10 To 25, Add	709.67	
	For >25 To 50, Add	519.53	
	For >50 To 100, Add	259.76	
	For >500 To 1,000, Deduct	-100.96	
	For >1,000 To 2,000, Deduct	-152.64	
	For >2,000 To 5,000, Deduct	-249.04	
	For >5,000, Deduct	-413.47	
33 01 30 72-0157	LF 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,174.56	
	For Vinylster Resin, Add	1,445.47	
	For Epoxy Resin, Add	170.36	
	For Up To >10, Add	1,361.31	
	For >10 To 25, Add	790.26	
	For >25 To 50, Add	577.41	
	For >50 To 100, Add	288.70	
	For >500 To 1,000, Deduct	-111.47	
	For >1,000 To 2,000, Deduct	-168.57	
	For >2,000 To 5,000, Deduct	-275.20	
	For >5,000, Deduct	-456.83	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0158 LF 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,375.11	
For Vinlyester Resin, Add	1,578.78	
For Epoxy Resin, Add	186.07	
For Up To >10, Add	1,486.83	
For >10 To 25, Add	863.13	
For >25 To 50, Add	630.65	
For >50 To 100, Add	315.32	
For >500 To 1,000, Deduct	-121.75	
For >1,000 To 2,000, Deduct	-184.12	
For >2,000 To 5,000, Deduct	-300.58	
For >5,000, Deduct	-498.96	
33 01 30 72-0159 LF 24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,575.67	
For Vinlyester Resin, Add	1,712.10	
For Epoxy Resin, Add	201.78	
For Up To >10, Add	1,612.39	
For >10 To 25, Add	936.01	
For >25 To 50, Add	683.90	
For >50 To 100, Add	341.95	
For >500 To 1,000, Deduct	-132.03	
For >1,000 To 2,000, Deduct	-199.67	
For >2,000 To 5,000, Deduct	-325.96	
For >5,000, Deduct	-541.10	
33 01 30 72-0160 LF 24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,776.23	
For Vinlyester Resin, Add	1,845.41	
For Epoxy Resin, Add	217.49	
For Up To >10, Add	1,737.94	
For >10 To 25, Add	1,008.90	
For >25 To 50, Add	737.16	
For >50 To 100, Add	368.58	
For >500 To 1,000, Deduct	-142.31	
For >1,000 To 2,000, Deduct	-215.21	
For >2,000 To 5,000, Deduct	-351.34	
For >5,000, Deduct	-583.23	
33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0162 LF 25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	709.32	
For Vinlyester Resin, Add	472.06	
For Epoxy Resin, Add	55.64	
For Up To >10, Add	442.04	
For >10 To 25, Add	255.97	
For >25 To 50, Add	187.30	
For >50 To 100, Add	93.65	
For >500 To 1,000, Deduct	-36.34	
For >1,000 To 2,000, Deduct	-54.95	
For >2,000 To 5,000, Deduct	-89.66	
For >5,000, Deduct	-148.85	
33 01 30 72-0163 LF 25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	815.13	
For Vinlyester Resin, Add	542.89	
For Epoxy Resin, Add	63.98	
For Up To >10, Add	506.52	
For >10 To 25, Add	292.84	
For >25 To 50, Add	214.48	
For >50 To 100, Add	107.24	
For >500 To 1,000, Deduct	-41.75	
For >1,000 To 2,000, Deduct	-63.11	
For >2,000 To 5,000, Deduct	-102.96	
For >5,000, Deduct	-170.94	
33 01 30 72-0164 LF 25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	921.50	
For Vinlyester Resin, Add	613.71	
For Epoxy Resin, Add	72.33	
For Up To >10, Add	572.68	
For >10 To 25, Add	331.11	
For >25 To 50, Add	242.50	
For >50 To 100, Add	121.25	
For >500 To 1,000, Deduct	-47.19	
For >1,000 To 2,000, Deduct	-71.35	
For >2,000 To 5,000, Deduct	-116.40	
For >5,000, Deduct	-193.25	
33 01 30 72-0165 LF 25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,027.72	
For Vinlyester Resin, Add	684.53	
For Epoxy Resin, Add	80.68	
For Up To >10, Add	638.41	
For >10 To 25, Add	369.03	
For >25 To 50, Add	270.31	
For >50 To 100, Add	135.16	
For >500 To 1,000, Deduct	-52.63	
For >1,000 To 2,000, Deduct	-79.57	
For >2,000 To 5,000, Deduct	-129.80	
For >5,000, Deduct	-215.51	
33 01 30 72-0166 LF 25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,240.45	
For Vinlyester Resin, Add	826.18	
For Epoxy Resin, Add	97.37	
For Up To >10, Add	770.73	
For >10 To 25, Add	445.56	
For >25 To 50, Add	326.35	
For >50 To 100, Add	163.18	
For >500 To 1,000, Deduct	-63.53	
For >1,000 To 2,000, Deduct	-96.04	
For >2,000 To 5,000, Deduct	-156.68	
For >5,000, Deduct	-260.13	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0167	LF 25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,453.06	
	For Vinylester Resin, Add	967.83	
	For Epoxy Resin, Add	114.07	
	For Up To >10, Add	902.66	
	For >10 To 25, Add	521.78	
	For >25 To 50, Add	382.20	
	For >50 To 100, Add	191.10	
	For >500 To 1,000, Deduct	-74.41	
	For >1,000 To 2,000, Deduct	-112.50	
	For >2,000 To 5,000, Deduct	-183.53	
	For >5,000, Deduct	-304.70	
33 01 30 72-0168	LF 25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,665.80	
	For Vinylester Resin, Add	1,109.47	
	For Epoxy Resin, Add	130.76	
	For Up To >10, Add	1,035.00	
	For >10 To 25, Add	598.34	
	For >25 To 50, Add	438.25	
	For >50 To 100, Add	219.13	
	For >500 To 1,000, Deduct	-85.31	
	For >1,000 To 2,000, Deduct	-128.98	
	For >2,000 To 5,000, Deduct	-210.41	
	For >5,000, Deduct	-349.33	
33 01 30 72-0169	LF 25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,878.39	
	For Vinylester Resin, Add	1,251.12	
	For Epoxy Resin, Add	147.45	
	For Up To >10, Add	1,166.90	
	For >10 To 25, Add	674.53	
	For >25 To 50, Add	494.08	
	For >50 To 100, Add	247.04	
	For >500 To 1,000, Deduct	-96.20	
	For >1,000 To 2,000, Deduct	-145.43	
	For >2,000 To 5,000, Deduct	-237.25	
	For >5,000, Deduct	-393.89	
33 01 30 72-0170	LF 25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,091.14	
	For Vinylester Resin, Add	1,392.77	
	For Epoxy Resin, Add	164.15	
	For Up To >10, Add	1,299.25	
	For >10 To 25, Add	751.09	
	For >25 To 50, Add	550.14	
	For >50 To 100, Add	275.07	
	For >500 To 1,000, Deduct	-107.09	
	For >1,000 To 2,000, Deduct	-161.91	
	For >2,000 To 5,000, Deduct	-264.13	
	For >5,000, Deduct	-438.52	
33 01 30 72-0171	LF 25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,308.36	
	For Vinylester Resin, Add	1,534.41	
	For Epoxy Resin, Add	180.84	
	For Up To >10, Add	1,445.03	
	For >10 To 25, Add	838.86	
	For >25 To 50, Add	612.91	
	For >50 To 100, Add	306.46	
	For >500 To 1,000, Deduct	-118.33	
	For >1,000 To 2,000, Deduct	-178.94	
	For >2,000 To 5,000, Deduct	-292.13	
	For >5,000, Deduct	-484.94	
33 01 30 72-0172	LF 25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,521.53	
	For Vinylester Resin, Add	1,676.06	
	For Epoxy Resin, Add	197.54	
	For Up To >10, Add	1,578.67	
	For >10 To 25, Add	916.49	
	For >25 To 50, Add	669.61	
	For >50 To 100, Add	334.81	
	For >500 To 1,000, Deduct	-129.26	
	For >1,000 To 2,000, Deduct	-195.47	
	For >2,000 To 5,000, Deduct	-319.11	
	For >5,000, Deduct	-529.74	
33 01 30 72-0173	LF 25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,734.54	
	For Vinylester Resin, Add	1,817.70	
	For Epoxy Resin, Add	214.23	
	For Up To >10, Add	1,711.82	
	For >10 To 25, Add	993.73	
	For >25 To 50, Add	726.07	
	For >50 To 100, Add	363.04	
	For >500 To 1,000, Deduct	-140.17	
	For >1,000 To 2,000, Deduct	-211.98	
	For >2,000 To 5,000, Deduct	-346.06	
	For >5,000, Deduct	-574.47	
33 01 30 72-0174	LF 25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,947.70	
	For Vinylester Resin, Add	1,959.35	
	For Epoxy Resin, Add	230.92	
	For Up To >10, Add	1,845.43	
	For >10 To 25, Add	1,071.34	
	For >25 To 50, Add	782.76	
	For >50 To 100, Add	391.38	
	For >500 To 1,000, Deduct	-151.10	
	For >1,000 To 2,000, Deduct	-228.51	
	For >2,000 To 5,000, Deduct	-373.05	
	For >5,000, Deduct	-619.27	

33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0176 LF 27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	747.85	
For Vinylester Resin, Add	498.35	
For Epoxy Resin, Add	58.73	
For Up To >10, Add	463.73	
For >10 To 25, Add	267.78	
For >25 To 50, Add	196.27	
For >50 To 100, Add	98.13	
For >500 To 1,000, Deduct	-38.29	
For >1,000 To 2,000, Deduct	-57.88	
For >2,000 To 5,000, Deduct	-94.41	
For >5,000, Deduct	-156.75	
33 01 30 72-0177 LF 27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	860.47	
For Vinylester Resin, Add	573.34	
For Epoxy Resin, Add	67.57	
For Up To >10, Add	533.76	
For >10 To 25, Add	308.29	
For >25 To 50, Add	225.93	
For >50 To 100, Add	112.96	
For >500 To 1,000, Deduct	-44.06	
For >1,000 To 2,000, Deduct	-66.61	
For >2,000 To 5,000, Deduct	-108.64	
For >5,000, Deduct	-180.38	
33 01 30 72-0178 LF 27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	973.07	
For Vinylester Resin, Add	648.33	
For Epoxy Resin, Add	76.41	
For Up To >10, Add	603.74	
For >10 To 25, Add	348.75	
For >25 To 50, Add	255.56	
For >50 To 100, Add	127.78	
For >500 To 1,000, Deduct	-49.83	
For >1,000 To 2,000, Deduct	-75.32	
For >2,000 To 5,000, Deduct	-122.86	
For >5,000, Deduct	-203.99	
33 01 30 72-0179 LF 27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,085.53	
For Vinylester Resin, Add	723.32	
For Epoxy Resin, Add	85.25	
For Up To >10, Add	673.29	
For >10 To 25, Add	388.86	
For >25 To 50, Add	284.98	
For >50 To 100, Add	142.49	
For >500 To 1,000, Deduct	-55.58	
For >1,000 To 2,000, Deduct	-84.03	
For >2,000 To 5,000, Deduct	-137.05	
For >5,000, Deduct	-227.55	
33 01 30 72-0180 LF 27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,310.59	
For Vinylester Resin, Add	873.30	
For Epoxy Resin, Add	102.92	
For Up To >10, Add	812.85	
For >10 To 25, Add	469.44	
For >25 To 50, Add	344.04	
For >50 To 100, Add	172.02	
For >500 To 1,000, Deduct	-67.11	
For >1,000 To 2,000, Deduct	-101.45	
For >2,000 To 5,000, Deduct	-165.46	
For >5,000, Deduct	-274.72	
33 01 30 72-0181 LF 27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,535.78	
For Vinylester Resin, Add	1,023.27	
For Epoxy Resin, Add	120.60	
For Up To >10, Add	952.79	
For >10 To 25, Add	550.36	
For >25 To 50, Add	403.30	
For >50 To 100, Add	201.65	
For >500 To 1,000, Deduct	-78.64	
For >1,000 To 2,000, Deduct	-118.88	
For >2,000 To 5,000, Deduct	-193.91	
For >5,000, Deduct	-321.95	
33 01 30 72-0182 LF 27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,760.85	
For Vinylester Resin, Add	1,173.26	
For Epoxy Resin, Add	138.28	
For Up To >10, Add	1,092.33	
For >10 To 25, Add	630.92	
For >25 To 50, Add	462.36	
For >50 To 100, Add	231.18	
For >500 To 1,000, Deduct	-90.16	
For >1,000 To 2,000, Deduct	-136.30	
For >2,000 To 5,000, Deduct	-222.32	
For >5,000, Deduct	-369.12	
33 01 30 72-0183 LF 27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,985.92	
For Vinylester Resin, Add	1,323.24	
For Epoxy Resin, Add	155.95	
For Up To >10, Add	1,231.91	
For >10 To 25, Add	711.54	
For >25 To 50, Add	521.44	
For >50 To 100, Add	260.72	
For >500 To 1,000, Deduct	-101.69	
For >1,000 To 2,000, Deduct	-153.72	
For >2,000 To 5,000, Deduct	-250.74	
For >5,000, Deduct	-416.30	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0184	LF 27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,210.97
	For Vinylester Resin, Add	1,473.21
	For Epoxy Resin, Add	173.63
	For Up To >10, Add	1,371.44
	For >10 To 25, Add	792.10
	For >25 To 50, Add	580.49
	For >50 To 100, Add	290.24
	For >500 To 1,000, Deduct	-113.21
	For >1,000 To 2,000, Deduct	-171.14
	For >2,000 To 5,000, Deduct	-279.15
	For >5,000, Deduct	-463.47
33 01 30 72-0185	LF 27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,441.93
	For Vinylester Resin, Add	1,623.20
	For Epoxy Resin, Add	191.31
	For Up To >10, Add	1,528.67
	For >10 To 25, Add	887.41
	For >25 To 50, Add	648.39
	For >50 To 100, Add	324.20
	For >500 To 1,000, Deduct	-125.17
	For >1,000 To 2,000, Deduct	-189.30
	For >2,000 To 5,000, Deduct	-309.03
	For >5,000, Deduct	-513.00
33 01 30 72-0186	LF 27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,667.55
	For Vinylester Resin, Add	1,773.17
	For Epoxy Resin, Add	208.98
	For Up To >10, Add	1,669.90
	For >10 To 25, Add	969.40
	For >25 To 50, Add	708.30
	For >50 To 100, Add	354.15
	For >500 To 1,000, Deduct	-136.74
	For >1,000 To 2,000, Deduct	-206.79
	For >2,000 To 5,000, Deduct	-337.58
	For >5,000, Deduct	-560.40
33 01 30 72-0187	LF 27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,893.18
	For Vinylester Resin, Add	1,923.15
	For Epoxy Resin, Add	226.66
	For Up To >10, Add	1,811.14
	For >10 To 25, Add	1,051.39
	For >25 To 50, Add	768.20
	For >50 To 100, Add	384.10
	For >500 To 1,000, Deduct	-148.30
	For >1,000 To 2,000, Deduct	-224.28
	For >2,000 To 5,000, Deduct	-366.14
	For >5,000, Deduct	-607.80
33 01 30 72-0188	LF 27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,118.80
	For Vinylester Resin, Add	2,073.13
	For Epoxy Resin, Add	244.33
	For Up To >10, Add	1,952.38
	For >10 To 25, Add	1,133.38
	For >25 To 50, Add	828.11
	For >50 To 100, Add	414.05
	For >500 To 1,000, Deduct	-159.87
	For >1,000 To 2,000, Deduct	-241.77
	For >2,000 To 5,000, Deduct	-394.69
	For >5,000, Deduct	-655.20

33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0190	LF 28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	905.28
	For Vinylester Resin, Add	603.64
	For Epoxy Resin, Add	71.14
	For Up To >10, Add	559.99
	For >10 To 25, Add	322.94
	For >25 To 50, Add	236.88
	For >50 To 100, Add	118.44
	For >500 To 1,000, Deduct	-46.34
	For >1,000 To 2,000, Deduct	-70.04
	For >2,000 To 5,000, Deduct	-114.22
	For >5,000, Deduct	-189.64
33 01 30 72-0191	LF 28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,024.12
	For Vinylester Resin, Add	682.79
	For Epoxy Resin, Add	80.47
	For Up To >10, Add	633.81
	For >10 To 25, Add	365.61
	For >25 To 50, Add	268.13
	For >50 To 100, Add	134.07
	For >500 To 1,000, Deduct	-52.42
	For >1,000 To 2,000, Deduct	-79.24
	For >2,000 To 5,000, Deduct	-129.23
	For >5,000, Deduct	-214.56
33 01 30 72-0192	LF 28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,142.81
	For Vinylester Resin, Add	761.95
	For Epoxy Resin, Add	89.80
	For Up To >10, Add	707.18
	For >10 To 25, Add	407.90
	For >25 To 50, Add	299.17
	For >50 To 100, Add	149.58
	For >500 To 1,000, Deduct	-58.50
	For >1,000 To 2,000, Deduct	-88.43
	For >2,000 To 5,000, Deduct	-144.20
	For >5,000, Deduct	-239.42

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0193	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,447.04	
		For Vinylester Resin, Add	967.05	
		For Epoxy Resin, Add	113.97	
		For Up To >10, Add	887.37	
		For >10 To 25, Add	509.23	
		For >25 To 50, Add	374.61	
		For >50 To 100, Add	187.31	
		For >500 To 1,000, Deduct	-73.99	
		For >1,000 To 2,000, Deduct	-111.81	
		For >2,000 To 5,000, Deduct	-182.17	
		For >5,000, Deduct	-302.52	
33 01 30 72-0194	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,617.72	
		For Vinylester Resin, Add	1,078.57	
		For Epoxy Resin, Add	127.12	
		For Up To >10, Add	1,001.14	
		For >10 To 25, Add	577.48	
		For >25 To 50, Add	423.53	
		For >50 To 100, Add	211.76	
		For >500 To 1,000, Deduct	-82.81	
		For >1,000 To 2,000, Deduct	-125.17	
		For >2,000 To 5,000, Deduct	-204.12	
		For >5,000, Deduct	-338.93	
33 01 30 72-0195	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,855.11	
		For Vinylester Resin, Add	1,236.89	
		For Epoxy Resin, Add	145.78	
		For Up To >10, Add	1,147.88	
		For >10 To 25, Add	662.07	
		For >25 To 50, Add	485.59	
		For >50 To 100, Add	242.80	
		For >500 To 1,000, Deduct	-94.96	
		For >1,000 To 2,000, Deduct	-143.54	
		For >2,000 To 5,000, Deduct	-234.07	
		For >5,000, Deduct	-388.65	
33 01 30 72-0196	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,092.50	
		For Vinylester Resin, Add	1,395.19	
		For Epoxy Resin, Add	164.43	
		For Up To >10, Add	1,294.68	
		For >10 To 25, Add	746.71	
		For >25 To 50, Add	547.68	
		For >50 To 100, Add	273.84	
		For >500 To 1,000, Deduct	-107.11	
		For >1,000 To 2,000, Deduct	-161.91	
		For >2,000 To 5,000, Deduct	-264.02	
		For >5,000, Deduct	-438.37	
33 01 30 72-0197	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,329.88	
		For Vinylester Resin, Add	1,553.50	
		For Epoxy Resin, Add	183.09	
		For Up To >10, Add	1,441.42	
		For >10 To 25, Add	831.30	
		For >25 To 50, Add	609.74	
		For >50 To 100, Add	304.87	
		For >500 To 1,000, Deduct	-119.26	
		For >1,000 To 2,000, Deduct	-180.27	
		For >2,000 To 5,000, Deduct	-293.96	
		For >5,000, Deduct	-488.09	
33 01 30 72-0198	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,573.44	
		For Vinylester Resin, Add	1,711.82	
		For Epoxy Resin, Add	201.75	
		For Up To >10, Add	1,606.70	
		For >10 To 25, Add	931.34	
		For >25 To 50, Add	681.08	
		For >50 To 100, Add	340.54	
		For >500 To 1,000, Deduct	-131.87	
		For >1,000 To 2,000, Deduct	-199.41	
		For >2,000 To 5,000, Deduct	-325.45	
		For >5,000, Deduct	-540.29	
33 01 30 72-0199	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,811.40	
		For Vinylester Resin, Add	1,870.13	
		For Epoxy Resin, Add	220.41	
		For Up To >10, Add	1,755.18	
		For >10 To 25, Add	1,017.38	
		For >25 To 50, Add	744.01	
		For >50 To 100, Add	372.00	
		For >500 To 1,000, Deduct	-144.06	
		For >1,000 To 2,000, Deduct	-217.84	
		For >2,000 To 5,000, Deduct	-355.54	
		For >5,000, Deduct	-590.24	
33 01 30 72-0200	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,049.48	
		For Vinylester Resin, Add	2,028.43	
		For Epoxy Resin, Add	239.07	
		For Up To >10, Add	1,904.04	
		For >10 To 25, Add	1,103.74	
		For >25 To 50, Add	807.13	
		For >50 To 100, Add	403.57	
		For >500 To 1,000, Deduct	-156.27	
		For >1,000 To 2,000, Deduct	-236.30	
		For >2,000 To 5,000, Deduct	-385.66	
		For >5,000, Deduct	-640.24	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0201	LF 28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,287.42
	For Vinylester Resin, Add	2,186.74
	For Epoxy Resin, Add	257.72
	For Up To >10, Add	2,052.46
	For >10 To 25, Add	1,189.73
	For >25 To 50, Add	870.03
	For >50 To 100, Add	435.02
	For >500 To 1,000, Deduct	-168.46
	For >1,000 To 2,000, Deduct	-254.73
	For >2,000 To 5,000, Deduct	-415.75
	For >5,000, Deduct	-690.18

33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0203	LF 30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	949.88
	For Vinylester Resin, Add	633.77
	For Epoxy Resin, Add	74.69
	For Up To >10, Add	586.17
	For >10 To 25, Add	337.57
	For >25 To 50, Add	247.81
	For >50 To 100, Add	123.91
	For >500 To 1,000, Deduct	-48.61
	For >1,000 To 2,000, Deduct	-73.47
	For >2,000 To 5,000, Deduct	-119.77
	For >5,000, Deduct	-198.87
33 01 30 72-0204	LF 30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,074.81
	For Vinylester Resin, Add	717.09
	For Epoxy Resin, Add	84.51
	For Up To >10, Add	663.38
	For >10 To 25, Add	382.08
	For >25 To 50, Add	280.47
	For >50 To 100, Add	140.23
	For >500 To 1,000, Deduct	-55.00
	For >1,000 To 2,000, Deduct	-83.13
	For >2,000 To 5,000, Deduct	-135.53
	For >5,000, Deduct	-225.04
33 01 30 72-0205	LF 30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,199.72
	For Vinylester Resin, Add	800.41
	For Epoxy Resin, Add	94.33
	For Up To >10, Add	740.56
	For >10 To 25, Add	426.56
	For >25 To 50, Add	313.11
	For >50 To 100, Add	156.55
	For >500 To 1,000, Deduct	-61.39
	For >1,000 To 2,000, Deduct	-92.79
	For >2,000 To 5,000, Deduct	-151.28
	For >5,000, Deduct	-251.20
33 01 30 72-0206	LF 30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,449.43
	For Vinylester Resin, Add	967.05
	For Epoxy Resin, Add	113.97
	For Up To >10, Add	894.54
	For >10 To 25, Add	515.20
	For >25 To 50, Add	378.20
	For >50 To 100, Add	189.10
	For >500 To 1,000, Deduct	-74.17
	For >1,000 To 2,000, Deduct	-112.10
	For >2,000 To 5,000, Deduct	-182.76
	For >5,000, Deduct	-303.47
33 01 30 72-0207	LF 30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,699.27
	For Vinylester Resin, Add	1,133.69
	For Epoxy Resin, Add	133.61
	For Up To >10, Add	1,048.91
	For >10 To 25, Add	604.17
	For >25 To 50, Add	443.48
	For >50 To 100, Add	221.74
	For >500 To 1,000, Deduct	-86.96
	For >1,000 To 2,000, Deduct	-131.43
	For >2,000 To 5,000, Deduct	-214.27
	For >5,000, Deduct	-355.80
33 01 30 72-0208	LF 30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,948.99
	For Vinylester Resin, Add	1,300.34
	For Epoxy Resin, Add	153.25
	For Up To >10, Add	1,202.90
	For >10 To 25, Add	692.81
	For >25 To 50, Add	508.57
	For >50 To 100, Add	254.28
	For >500 To 1,000, Deduct	-99.73
	For >1,000 To 2,000, Deduct	-150.74
	For >2,000 To 5,000, Deduct	-245.76
	For >5,000, Deduct	-408.07
33 01 30 72-0209	LF 30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,198.84
	For Vinylester Resin, Add	1,466.98
	For Epoxy Resin, Add	172.89
	For Up To >10, Add	1,357.30
	For >10 To 25, Add	781.80
	For >25 To 50, Add	573.86
	For >50 To 100, Add	286.93
	For >500 To 1,000, Deduct	-112.52
	For >1,000 To 2,000, Deduct	-170.07
	For >2,000 To 5,000, Deduct	-277.27
	For >5,000, Deduct	-460.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0210	LF		30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,448.55	
			For Vinylster Resin, Add	1,633.63	
			For Epoxy Resin, Add	192.53	
			For Up To >10, Add	1,511.28	
			For >10 To 25, Add	870.44	
			For >25 To 50, Add	638.95	
			For >50 To 100, Add	319.48	
			For >500 To 1,000, Deduct	-125.30	
			For >1,000 To 2,000, Deduct	-189.38	
			For >2,000 To 5,000, Deduct	-308.75	
			For >5,000, Deduct	-512.67	
33 01 30 72-0211	LF		30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,704.72	
			For Vinylster Resin, Add	1,800.27	
			For Epoxy Resin, Add	212.17	
			For Up To >10, Add	1,684.64	
			For >10 To 25, Add	975.23	
			For >25 To 50, Add	713.73	
			For >50 To 100, Add	356.86	
			For >500 To 1,000, Deduct	-138.56	
			For >1,000 To 2,000, Deduct	-209.50	
			For >2,000 To 5,000, Deduct	-341.84	
			For >5,000, Deduct	-567.53	
33 01 30 72-0212	LF		30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,955.00	
			For Vinylster Resin, Add	1,966.92	
			For Epoxy Resin, Add	231.82	
			For Up To >10, Add	1,840.30	
			For >10 To 25, Add	1,065.27	
			For >25 To 50, Add	779.66	
			For >50 To 100, Add	389.83	
			For >500 To 1,000, Deduct	-151.38	
			For >1,000 To 2,000, Deduct	-228.88	
			For >2,000 To 5,000, Deduct	-373.47	
			For >5,000, Deduct	-620.02	
33 01 30 72-0213	LF		30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,205.40	
			For Vinylster Resin, Add	2,133.55	
			For Epoxy Resin, Add	251.45	
			For Up To >10, Add	1,996.38	
			For >10 To 25, Add	1,155.66	
			For >25 To 50, Add	845.79	
			For >50 To 100, Add	422.90	
			For >500 To 1,000, Deduct	-164.21	
			For >1,000 To 2,000, Deduct	-248.28	
			For >2,000 To 5,000, Deduct	-405.12	
			For >5,000, Deduct	-672.57	
33 01 30 72-0214	LF		30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,455.82	
			For Vinylster Resin, Add	2,300.20	
			For Epoxy Resin, Add	271.10	
			For Up To >10, Add	2,152.46	
			For >10 To 25, Add	1,246.05	
			For >25 To 50, Add	911.93	
			For >50 To 100, Add	455.97	
			For >500 To 1,000, Deduct	-177.04	
			For >1,000 To 2,000, Deduct	-267.68	
			For >2,000 To 5,000, Deduct	-436.78	
			For >5,000, Deduct	-725.13	
33 01 30 72-0215	LF		30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,706.09	
			For Vinylster Resin, Add	2,466.84	
			For Epoxy Resin, Add	290.73	
			For Up To >10, Add	2,308.12	
			For >10 To 25, Add	1,336.09	
			For >25 To 50, Add	977.86	
			For >50 To 100, Add	488.93	
			For >500 To 1,000, Deduct	-189.86	
			For >1,000 To 2,000, Deduct	-287.06	
			For >2,000 To 5,000, Deduct	-468.39	
			For >5,000, Deduct	-777.62	
33 01 30 72-0216	LF		30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,956.50	
			For Vinylster Resin, Add	2,633.48	
			For Epoxy Resin, Add	310.37	
			For Up To >10, Add	2,464.20	
			For >10 To 25, Add	1,426.48	
			For >25 To 50, Add	1,043.99	
			For >50 To 100, Add	522.00	
			For >500 To 1,000, Deduct	-202.68	
			For >1,000 To 2,000, Deduct	-306.46	
			For >2,000 To 5,000, Deduct	-500.05	
			For >5,000, Deduct	-830.18	
33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)					
33 01 30 72-0218	LF		31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	994.22	
			For Vinylster Resin, Add	663.73	
			For Epoxy Resin, Add	78.23	
			For Up To >10, Add	612.19	
			For >10 To 25, Add	352.12	
			For >25 To 50, Add	258.68	
			For >50 To 100, Add	129.34	
			For >500 To 1,000, Deduct	-50.86	
			For >1,000 To 2,000, Deduct	-76.87	
			For >2,000 To 5,000, Deduct	-125.29	
			For >5,000, Deduct	-208.05	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
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 UNIT COST UNIT COST

33 01 30 72-0219	LF 31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,125.25	
	For Vinylster Resin, Add	751.23	
	For Epoxy Resin, Add	88.54	
	For Up To >10, Add	692.80	
	For >10 To 25, Add	398.47	
	For >25 To 50, Add	292.74	
	For >50 To 100, Add	146.37	
	For >500 To 1,000, Deduct	-57.56	
	For >1,000 To 2,000, Deduct	-87.00	
	For >2,000 To 5,000, Deduct	-141.80	
	For >5,000, Deduct	-235.46	
33 01 30 72-0220	LF 31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,256.25	
	For Vinylster Resin, Add	838.71	
	For Epoxy Resin, Add	98.85	
	For Up To >10, Add	773.38	
	For >10 To 25, Add	444.79	
	For >25 To 50, Add	326.78	
	For >50 To 100, Add	163.39	
	For >500 To 1,000, Deduct	-64.27	
	For >1,000 To 2,000, Deduct	-97.12	
	For >2,000 To 5,000, Deduct	-158.30	
	For >5,000, Deduct	-262.87	
33 01 30 72-0221	LF 31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,518.43	
	For Vinylster Resin, Add	1,013.68	
	For Epoxy Resin, Add	119.47	
	For Up To >10, Add	934.99	
	For >10 To 25, Add	537.81	
	For >25 To 50, Add	395.09	
	For >50 To 100, Add	197.54	
	For >500 To 1,000, Deduct	-77.68	
	For >1,000 To 2,000, Deduct	-117.40	
	For >2,000 To 5,000, Deduct	-191.35	
	For >5,000, Deduct	-317.75	
33 01 30 72-0222	LF 31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,780.47	
	For Vinylster Resin, Add	1,188.66	
	For Epoxy Resin, Add	140.09	
	For Up To >10, Add	1,096.19	
	For >10 To 25, Add	630.47	
	For >25 To 50, Add	463.19	
	For >50 To 100, Add	231.59	
	For >500 To 1,000, Deduct	-91.08	
	For >1,000 To 2,000, Deduct	-137.65	
	For >2,000 To 5,000, Deduct	-224.37	
	For >5,000, Deduct	-372.57	
33 01 30 72-0223	LF 31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,042.64	
	For Vinylster Resin, Add	1,363.64	
	For Epoxy Resin, Add	160.71	
	For Up To >10, Add	1,257.80	
	For >10 To 25, Add	723.49	
	For >25 To 50, Add	531.50	
	For >50 To 100, Add	265.75	
	For >500 To 1,000, Deduct	-104.50	
	For >1,000 To 2,000, Deduct	-157.93	
	For >2,000 To 5,000, Deduct	-257.41	
	For >5,000, Deduct	-427.45	
33 01 30 72-0224	LF 31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,304.67	
	For Vinylster Resin, Add	1,538.61	
	For Epoxy Resin, Add	181.34	
	For Up To >10, Add	1,418.99	
	For >10 To 25, Add	816.15	
	For >25 To 50, Add	599.59	
	For >50 To 100, Add	299.80	
	For >500 To 1,000, Deduct	-117.90	
	For >1,000 To 2,000, Deduct	-178.18	
	For >2,000 To 5,000, Deduct	-290.43	
	For >5,000, Deduct	-482.27	
33 01 30 72-0225	LF 31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,566.71	
	For Vinylster Resin, Add	1,713.59	
	For Epoxy Resin, Add	201.96	
	For Up To >10, Add	1,580.18	
	For >10 To 25, Add	908.82	
	For >25 To 50, Add	667.69	
	For >50 To 100, Add	333.85	
	For >500 To 1,000, Deduct	-131.30	
	For >1,000 To 2,000, Deduct	-198.44	
	For >2,000 To 5,000, Deduct	-323.44	
	For >5,000, Deduct	-537.09	
33 01 30 72-0226	LF 31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,835.48	
	For Vinylster Resin, Add	1,888.57	
	For Epoxy Resin, Add	222.58	
	For Up To >10, Add	1,761.57	
	For >10 To 25, Add	1,018.31	
	For >25 To 50, Add	745.89	
	For >50 To 100, Add	372.94	
	For >500 To 1,000, Deduct	-145.21	
	For >1,000 To 2,000, Deduct	-219.54	
	For >2,000 To 5,000, Deduct	-358.14	
	For >5,000, Deduct	-594.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0227	LF		31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,118.49	
			For Vinlyester Resin, Add	2,077.63	
			For Epoxy Resin, Add	244.86	
			For Up To >10, Add	1,935.37	
			For >10 To 25, Add	1,118.14	
			For >25 To 50, Add	819.28	
			For >50 To 100, Add	409.64	
			For >500 To 1,000, Deduct	-159.69	
			For >1,000 To 2,000, Deduct	-241.41	
			For >2,000 To 5,000, Deduct	-393.78	
			For >5,000, Deduct	-653.79	
33 01 30 72-0228	LF		31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,360.81	
			For Vinlyester Resin, Add	2,238.51	
			For Epoxy Resin, Add	263.82	
			For Up To >10, Add	2,087.76	
			For >10 To 25, Add	1,206.82	
			For >25 To 50, Add	883.98	
			For >50 To 100, Add	441.99	
			For >500 To 1,000, Deduct	-172.11	
			For >1,000 To 2,000, Deduct	-260.21	
			For >2,000 To 5,000, Deduct	-424.48	
			For >5,000, Deduct	-704.75	
33 01 30 72-0229	LF		31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,623.55	
			For Vinlyester Resin, Add	2,413.49	
			For Epoxy Resin, Add	284.45	
			For Up To >10, Add	2,251.05	
			For >10 To 25, Add	1,301.24	
			For >25 To 50, Add	953.13	
			For >50 To 100, Add	476.57	
			For >500 To 1,000, Deduct	-185.57	
			For >1,000 To 2,000, Deduct	-280.55	
			For >2,000 To 5,000, Deduct	-457.67	
			For >5,000, Deduct	-759.85	
33 01 30 72-0230	LF		31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,886.14	
			For Vinlyester Resin, Add	2,588.46	
			For Epoxy Resin, Add	305.07	
			For Up To >10, Add	2,413.92	
			For >10 To 25, Add	1,395.30	
			For >25 To 50, Add	1,022.07	
			For >50 To 100, Add	511.04	
			For >500 To 1,000, Deduct	-199.02	
			For >1,000 To 2,000, Deduct	-300.88	
			For >2,000 To 5,000, Deduct	-490.82	
			For >5,000, Deduct	-814.90	
33 01 30 72-0231	LF		31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,148.88	
			For Vinlyester Resin, Add	2,763.43	
			For Epoxy Resin, Add	325.69	
			For Up To >10, Add	2,577.24	
			For >10 To 25, Add	1,489.74	
			For >25 To 50, Add	1,091.23	
			For >50 To 100, Add	545.62	
			For >500 To 1,000, Deduct	-212.47	
			For >1,000 To 2,000, Deduct	-321.22	
			For >2,000 To 5,000, Deduct	-524.01	
			For >5,000, Deduct	-870.00	
33 01 30 72-0232			33mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0233	LF		33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,038.21	
			For Vinlyester Resin, Add	693.54	
			For Epoxy Resin, Add	81.74	
			For Up To >10, Add	637.71	
			For >10 To 25, Add	366.29	
			For >25 To 50, Add	269.31	
			For >50 To 100, Add	134.66	
			For >500 To 1,000, Deduct	-53.10	
			For >1,000 To 2,000, Deduct	-80.24	
			For >2,000 To 5,000, Deduct	-130.75	
			For >5,000, Deduct	-217.13	
33 01 30 72-0234	LF		33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,175.46	
			For Vinlyester Resin, Add	785.19	
			For Epoxy Resin, Add	92.54	
			For Up To >10, Add	722.13	
			For >10 To 25, Add	414.83	
			For >25 To 50, Add	304.98	
			For >50 To 100, Add	152.49	
			For >500 To 1,000, Deduct	-60.12	
			For >1,000 To 2,000, Deduct	-90.85	
			For >2,000 To 5,000, Deduct	-148.04	
			For >5,000, Deduct	-245.84	
33 01 30 72-0235	LF		33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,312.56	
			For Vinlyester Resin, Add	876.84	
			For Epoxy Resin, Add	103.34	
			For Up To >10, Add	806.11	
			For >10 To 25, Add	462.98	
			For >25 To 50, Add	340.42	
			For >50 To 100, Add	170.21	
			For >500 To 1,000, Deduct	-67.13	
			For >1,000 To 2,000, Deduct	-101.44	
			For >2,000 To 5,000, Deduct	-165.30	
			For >5,000, Deduct	-274.50	

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33 01 30 72-0236	LF 33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,587.06	
	For Vinylester Resin, Add	1,060.16	
	For Epoxy Resin, Add	124.95	
	For Up To >10, Add	974.91	
	For >10 To 25, Add	560.00	
	For >25 To 50, Add	411.73	
	For >50 To 100, Add	205.86	
	For >500 To 1,000, Deduct	-81.17	
	For >1,000 To 2,000, Deduct	-122.66	
	For >2,000 To 5,000, Deduct	-199.88	
	For >5,000, Deduct	-331.92	
33 01 30 72-0237	LF 33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,861.42	
	For Vinylester Resin, Add	1,243.46	
	For Epoxy Resin, Add	146.55	
	For Up To >10, Add	1,143.34	
	For >10 To 25, Add	656.72	
	For >25 To 50, Add	482.85	
	For >50 To 100, Add	241.42	
	For >500 To 1,000, Deduct	-95.20	
	For >1,000 To 2,000, Deduct	-143.86	
	For >2,000 To 5,000, Deduct	-234.43	
	For >5,000, Deduct	-389.29	
33 01 30 72-0238	LF 33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,135.92	
	For Vinylester Resin, Add	1,426.77	
	For Epoxy Resin, Add	168.15	
	For Up To >10, Add	1,312.16	
	For >10 To 25, Add	753.76	
	For >25 To 50, Add	554.17	
	For >50 To 100, Add	277.08	
	For >500 To 1,000, Deduct	-109.24	
	For >1,000 To 2,000, Deduct	-165.08	
	For >2,000 To 5,000, Deduct	-269.01	
	For >5,000, Deduct	-446.72	
33 01 30 72-0239	LF 33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,410.27	
	For Vinylester Resin, Add	1,610.07	
	For Epoxy Resin, Add	189.76	
	For Up To >10, Add	1,480.56	
	For >10 To 25, Add	850.45	
	For >25 To 50, Add	625.28	
	For >50 To 100, Add	312.64	
	For >500 To 1,000, Deduct	-123.27	
	For >1,000 To 2,000, Deduct	-186.28	
	For >2,000 To 5,000, Deduct	-303.55	
	For >5,000, Deduct	-504.09	
33 01 30 72-0240	LF 33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,684.64	
	For Vinylester Resin, Add	1,793.39	
	For Epoxy Resin, Add	211.36	
	For Up To >10, Add	1,648.97	
	For >10 To 25, Add	947.15	
	For >25 To 50, Add	696.39	
	For >50 To 100, Add	348.19	
	For >500 To 1,000, Deduct	-137.30	
	For >1,000 To 2,000, Deduct	-207.48	
	For >2,000 To 5,000, Deduct	-338.10	
	For >5,000, Deduct	-561.46	
33 01 30 72-0241	LF 33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,965.87	
	For Vinylester Resin, Add	1,976.69	
	For Epoxy Resin, Add	232.97	
	For Up To >10, Add	1,838.01	
	For >10 To 25, Add	1,061.04	
	For >25 To 50, Add	777.81	
	For >50 To 100, Add	388.91	
	For >500 To 1,000, Deduct	-151.84	
	For >1,000 To 2,000, Deduct	-229.54	
	For >2,000 To 5,000, Deduct	-374.37	
	For >5,000, Deduct	-621.58	
33 01 30 72-0242	LF 33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,241.35	
	For Vinylester Resin, Add	2,160.00	
	For Epoxy Resin, Add	254.57	
	For Up To >10, Add	2,009.78	
	For >10 To 25, Add	1,160.53	
	For >25 To 50, Add	850.60	
	For >50 To 100, Add	425.30	
	For >500 To 1,000, Deduct	-165.96	
	For >1,000 To 2,000, Deduct	-250.88	
	For >2,000 To 5,000, Deduct	-409.20	
	For >5,000, Deduct	-679.40	
33 01 30 72-0243	LF 33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,515.84	
	For Vinylester Resin, Add	2,343.30	
	For Epoxy Resin, Add	276.17	
	For Up To >10, Add	2,178.60	
	For >10 To 25, Add	1,257.57	
	For >25 To 50, Add	921.92	
	For >50 To 100, Add	460.96	
	For >500 To 1,000, Deduct	-180.00	
	For >1,000 To 2,000, Deduct	-272.10	
	For >2,000 To 5,000, Deduct	-443.78	
	For >5,000, Deduct	-736.82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0244 LF 33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,790.91	
For Vinlyester Resin, Add	2,526.61	
For Epoxy Resin, Add	297.78	
For Up To >10, Add	2,349.13	
For >10 To 25, Add	1,356.04	
For >25 To 50, Add	994.09	
For >50 To 100, Add	497.05	
For >500 To 1,000, Deduct	-194.08	
For >1,000 To 2,000, Deduct	-293.39	
For >2,000 To 5,000, Deduct	-478.50	
For >5,000, Deduct	-794.48	
33 01 30 72-0245 LF 33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,065.97	
For Vinlyester Resin, Add	2,709.92	
For Epoxy Resin, Add	319.38	
For Up To >10, Add	2,519.64	
For >10 To 25, Add	1,454.48	
For >25 To 50, Add	1,066.25	
For >50 To 100, Add	533.13	
For >500 To 1,000, Deduct	-208.17	
For >1,000 To 2,000, Deduct	-314.68	
For >2,000 To 5,000, Deduct	-513.22	
For >5,000, Deduct	-852.13	
33 01 30 72-0246 LF 33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,341.03	
For Vinlyester Resin, Add	2,893.23	
For Epoxy Resin, Add	340.99	
For Up To >10, Add	2,690.14	
For >10 To 25, Add	1,552.92	
For >25 To 50, Add	1,138.41	
For >50 To 100, Add	569.21	
For >500 To 1,000, Deduct	-222.25	
For >1,000 To 2,000, Deduct	-335.97	
For >2,000 To 5,000, Deduct	-547.94	
For >5,000, Deduct	-909.78	
33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0248 LF 34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,225.00	
For Vinlyester Resin, Add	818.99	
For Epoxy Resin, Add	96.52	
For Up To >10, Add	750.03	
For >10 To 25, Add	430.02	
For >25 To 50, Add	316.51	
For >50 To 100, Add	158.26	
For >500 To 1,000, Deduct	-62.63	
For >1,000 To 2,000, Deduct	-94.63	
For >2,000 To 5,000, Deduct	-154.15	
For >5,000, Deduct	-256.00	
33 01 30 72-0249 LF 34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,368.34	
For Vinlyester Resin, Add	914.81	
For Epoxy Resin, Add	107.82	
For Up To >10, Add	837.85	
For >10 To 25, Add	480.39	
For >25 To 50, Add	353.58	
For >50 To 100, Add	176.79	
For >500 To 1,000, Deduct	-69.95	
For >1,000 To 2,000, Deduct	-105.70	
For >2,000 To 5,000, Deduct	-172.19	
For >5,000, Deduct	-285.96	
33 01 30 72-0250 LF 34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,655.03	
For Vinlyester Resin, Add	1,106.46	
For Epoxy Resin, Add	130.40	
For Up To >10, Add	1,013.47	
For >10 To 25, Add	581.11	
For >25 To 50, Add	427.70	
For >50 To 100, Add	213.85	
For >500 To 1,000, Deduct	-84.61	
For >1,000 To 2,000, Deduct	-127.85	
For >2,000 To 5,000, Deduct	-208.27	
For >5,000, Deduct	-345.88	
33 01 30 72-0251 LF 34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,941.58	
For Vinlyester Resin, Add	1,298.09	
For Epoxy Resin, Add	152.99	
For Up To >10, Add	1,188.69	
For >10 To 25, Add	681.51	
For >25 To 50, Add	501.62	
For >50 To 100, Add	250.81	
For >500 To 1,000, Deduct	-99.26	
For >1,000 To 2,000, Deduct	-149.98	
For >2,000 To 5,000, Deduct	-244.32	
For >5,000, Deduct	-405.75	
33 01 30 72-0252 LF 34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,228.25	
For Vinlyester Resin, Add	1,489.73	
For Epoxy Resin, Add	175.58	
For Up To >10, Add	1,364.28	
For >10 To 25, Add	782.20	
For >25 To 50, Add	575.73	
For >50 To 100, Add	287.86	
For >500 To 1,000, Deduct	-113.91	
For >1,000 To 2,000, Deduct	-172.12	
For >2,000 To 5,000, Deduct	-280.40	
For >5,000, Deduct	-465.66	

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 UNIT COST UNIT COST

33 01 30 72-0253	LF 34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,514.79	
	For Vinylster Resin, Add	1,681.37	
	For Epoxy Resin, Add	198.16	
	For Up To >10, Add	1,539.47	
	For >10 To 25, Add	882.57	
	For >25 To 50, Add	649.64	
	For >50 To 100, Add	324.82	
	For >500 To 1,000, Deduct	-128.56	
	For >1,000 To 2,000, Deduct	-194.25	
	For >2,000 To 5,000, Deduct	-316.44	
	For >5,000, Deduct	-525.52	
33 01 30 72-0254	LF 34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,801.48	
	For Vinylster Resin, Add	1,873.01	
	For Epoxy Resin, Add	220.75	
	For Up To >10, Add	1,715.12	
	For >10 To 25, Add	983.31	
	For >25 To 50, Add	723.77	
	For >50 To 100, Add	361.89	
	For >500 To 1,000, Deduct	-143.22	
	For >1,000 To 2,000, Deduct	-216.40	
	For >2,000 To 5,000, Deduct	-352.53	
	For >5,000, Deduct	-585.45	
33 01 30 72-0255	LF 34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,095.04	
	For Vinylster Resin, Add	2,064.65	
	For Epoxy Resin, Add	243.33	
	For Up To >10, Add	1,911.37	
	For >10 To 25, Add	1,101.23	
	For >25 To 50, Add	808.21	
	For >50 To 100, Add	404.11	
	For >500 To 1,000, Deduct	-158.39	
	For >1,000 To 2,000, Deduct	-239.41	
	For >2,000 To 5,000, Deduct	-390.33	
	For >5,000, Deduct	-648.12	
33 01 30 72-0256	LF 34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,382.56	
	For Vinylster Resin, Add	2,256.29	
	For Epoxy Resin, Add	265.92	
	For Up To >10, Add	2,089.51	
	For >10 To 25, Add	1,204.04	
	For >25 To 50, Add	883.59	
	For >50 To 100, Add	441.79	
	For >500 To 1,000, Deduct	-173.11	
	For >1,000 To 2,000, Deduct	-261.66	
	For >2,000 To 5,000, Deduct	-426.61	
	For >5,000, Deduct	-708.37	
33 01 30 72-0257	LF 34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,667.28	
	For Vinylster Resin, Add	2,447.93	
	For Epoxy Resin, Add	288.51	
	For Up To >10, Add	2,259.24	
	For >10 To 25, Add	1,299.86	
	For >25 To 50, Add	954.77	
	For >50 To 100, Add	477.38	
	For >500 To 1,000, Deduct	-187.62	
	For >1,000 To 2,000, Deduct	-283.56	
	For >2,000 To 5,000, Deduct	-462.20	
	For >5,000, Deduct	-767.50	
33 01 30 72-0258	LF 34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,956.91	
	For Vinylster Resin, Add	2,639.57	
	For Epoxy Resin, Add	311.09	
	For Up To >10, Add	2,443.71	
	For >10 To 25, Add	1,407.95	
	For >25 To 50, Add	1,033.31	
	For >50 To 100, Add	516.66	
	For >500 To 1,000, Deduct	-202.50	
	For >1,000 To 2,000, Deduct	-306.07	
	For >2,000 To 5,000, Deduct	-499.02	
	For >5,000, Deduct	-828.60	
33 01 30 72-0259	LF 34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,244.15	
	For Vinylster Resin, Add	2,831.21	
	For Epoxy Resin, Add	333.68	
	For Up To >10, Add	2,621.00	
	For >10 To 25, Add	1,510.07	
	For >25 To 50, Add	1,108.27	
	For >50 To 100, Add	554.14	
	For >500 To 1,000, Deduct	-217.20	
	For >1,000 To 2,000, Deduct	-328.29	
	For >2,000 To 5,000, Deduct	-535.24	
	For >5,000, Deduct	-888.74	
33 01 30 72-0260	LF 34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,531.40	
	For Vinylster Resin, Add	3,022.85	
	For Epoxy Resin, Add	356.26	
	For Up To >10, Add	2,798.33	
	For >10 To 25, Add	1,612.21	
	For >25 To 50, Add	1,183.25	
	For >50 To 100, Add	591.62	
	For >500 To 1,000, Deduct	-231.90	
	For >1,000 To 2,000, Deduct	-350.51	
	For >2,000 To 5,000, Deduct	-571.46	
	For >5,000, Deduct	-948.89	

33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0262 LF 36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,274.33	
For Vinylester Resin, Add	852.64	
For Epoxy Resin, Add	100.49	
For Up To >10, Add	777.87	
For >10 To 25, Add	445.21	
For >25 To 50, Add	328.03	
For >50 To 100, Add	164.02	
For >500 To 1,000, Deduct	-65.12	
For >1,000 To 2,000, Deduct	-98.39	
For >2,000 To 5,000, Deduct	-160.24	
For >5,000, Deduct	-266.12	
33 01 30 72-0263 LF 36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,423.76	
For Vinylester Resin, Add	952.62	
For Epoxy Resin, Add	112.27	
For Up To >10, Add	869.08	
For >10 To 25, Add	497.42	
For >25 To 50, Add	366.50	
For >50 To 100, Add	183.25	
For >500 To 1,000, Deduct	-72.76	
For >1,000 To 2,000, Deduct	-109.93	
For >2,000 To 5,000, Deduct	-179.03	
For >5,000, Deduct	-297.33	
33 01 30 72-0264 LF 36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,722.62	
For Vinylester Resin, Add	1,152.59	
For Epoxy Resin, Add	135.84	
For Up To >10, Add	1,051.46	
For >10 To 25, Add	601.79	
For >25 To 50, Add	443.40	
For >50 To 100, Add	221.70	
For >500 To 1,000, Deduct	-88.03	
For >1,000 To 2,000, Deduct	-133.00	
For >2,000 To 5,000, Deduct	-216.60	
For >5,000, Deduct	-359.74	
33 01 30 72-0265 LF 36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,021.50	
For Vinylester Resin, Add	1,352.57	
For Epoxy Resin, Add	159.41	
For Up To >10, Add	1,233.90	
For >10 To 25, Add	706.21	
For >25 To 50, Add	520.34	
For >50 To 100, Add	260.17	
For >500 To 1,000, Deduct	-103.31	
For >1,000 To 2,000, Deduct	-156.08	
For >2,000 To 5,000, Deduct	-254.18	
For >5,000, Deduct	-422.15	
33 01 30 72-0266 LF 36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,320.22	
For Vinylester Resin, Add	1,552.54	
For Epoxy Resin, Add	182.98	
For Up To >10, Add	1,415.89	
For >10 To 25, Add	810.25	
For >25 To 50, Add	597.05	
For >50 To 100, Add	298.52	
For >500 To 1,000, Deduct	-118.57	
For >1,000 To 2,000, Deduct	-179.13	
For >2,000 To 5,000, Deduct	-291.73	
For >5,000, Deduct	-484.51	
33 01 30 72-0267 LF 36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,619.08	
For Vinylester Resin, Add	1,752.51	
For Epoxy Resin, Add	206.55	
For Up To >10, Add	1,598.29	
For >10 To 25, Add	914.65	
For >25 To 50, Add	673.97	
For >50 To 100, Add	336.98	
For >500 To 1,000, Deduct	-133.84	
For >1,000 To 2,000, Deduct	-202.21	
For >2,000 To 5,000, Deduct	-329.30	
For >5,000, Deduct	-546.92	
33 01 30 72-0268 LF 36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,917.95	
For Vinylester Resin, Add	1,952.48	
For Epoxy Resin, Add	230.11	
For Up To >10, Add	1,780.70	
For >10 To 25, Add	1,019.04	
For >25 To 50, Add	750.89	
For >50 To 100, Add	375.44	
For >500 To 1,000, Deduct	-149.11	
For >1,000 To 2,000, Deduct	-225.28	
For >2,000 To 5,000, Deduct	-366.88	
For >5,000, Deduct	-609.33	
33 01 30 72-0269 LF 36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,223.98	
For Vinylester Resin, Add	2,152.45	
For Epoxy Resin, Add	253.68	
For Up To >10, Add	1,984.62	
For >10 To 25, Add	1,141.36	
For >25 To 50, Add	838.56	
For >50 To 100, Add	419.28	
For >500 To 1,000, Deduct	-164.93	
For >1,000 To 2,000, Deduct	-249.25	
For >2,000 To 5,000, Deduct	-406.25	
For >5,000, Deduct	-674.61	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0270	LF 36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,523.54	
	For Vinylster Resin, Add	2,352.42	
	For Epoxy Resin, Add	277.25	
	For Up To >10, Add	2,169.12	
	For >10 To 25, Add	1,247.50	
	For >25 To 50, Add	916.53	
	For >50 To 100, Add	458.27	
	For >500 To 1,000, Deduct	-180.25	
	For >1,000 To 2,000, Deduct	-272.41	
	For >2,000 To 5,000, Deduct	-444.01	
	For >5,000, Deduct	-737.30	
33 01 30 72-0271	LF 36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,818.34	
	For Vinylster Resin, Add	2,552.40	
	For Epoxy Resin, Add	300.82	
	For Up To >10, Add	2,339.32	
	For >10 To 25, Add	1,341.72	
	For >25 To 50, Add	987.35	
	For >50 To 100, Add	493.67	
	For >500 To 1,000, Deduct	-195.22	
	For >1,000 To 2,000, Deduct	-294.98	
	For >2,000 To 5,000, Deduct	-480.57	
	For >5,000, Deduct	-798.08	
33 01 30 72-0272	LF 36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,122.54	
	For Vinylster Resin, Add	2,752.37	
	For Epoxy Resin, Add	324.39	
	For Up To >10, Add	2,537.75	
	For >10 To 25, Add	1,459.46	
	For >25 To 50, Add	1,072.28	
	For >50 To 100, Add	536.14	
	For >500 To 1,000, Deduct	-210.89	
	For >1,000 To 2,000, Deduct	-318.72	
	For >2,000 To 5,000, Deduct	-519.48	
	For >5,000, Deduct	-862.63	
33 01 30 72-0273	LF 36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,422.11	
	For Vinylster Resin, Add	2,952.33	
	For Epoxy Resin, Add	347.95	
	For Up To >10, Add	2,722.28	
	For >10 To 25, Add	1,565.63	
	For >25 To 50, Add	1,150.26	
	For >50 To 100, Add	575.13	
	For >500 To 1,000, Deduct	-226.22	
	For >1,000 To 2,000, Deduct	-341.88	
	For >2,000 To 5,000, Deduct	-557.24	
	For >5,000, Deduct	-925.32	
33 01 30 72-0274	LF 36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,721.68	
	For Vinylster Resin, Add	3,152.31	
	For Epoxy Resin, Add	371.52	
	For Up To >10, Add	2,906.79	
	For >10 To 25, Add	1,671.78	
	For >25 To 50, Add	1,228.23	
	For >50 To 100, Add	614.12	
	For >500 To 1,000, Deduct	-241.54	
	For >1,000 To 2,000, Deduct	-365.05	
	For >2,000 To 5,000, Deduct	-594.99	
	For >5,000, Deduct	-988.01	
33 01 30 72-0275	LF 36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,021.10	
	For Vinylster Resin, Add	3,352.28	
	For Epoxy Resin, Add	395.09	
	For Up To >10, Add	3,090.88	
	For >10 To 25, Add	1,777.57	
	For >25 To 50, Add	1,305.99	
	For >50 To 100, Add	652.99	
	For >500 To 1,000, Deduct	-256.86	
	For >1,000 To 2,000, Deduct	-388.19	
	For >2,000 To 5,000, Deduct	-632.71	
	For >5,000, Deduct	-1,050.65	
33 01 30 72-0276	LF 36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,320.66	
	For Vinylster Resin, Add	3,552.25	
	For Epoxy Resin, Add	418.66	
	For Up To >10, Add	3,275.38	
	For >10 To 25, Add	1,883.71	
	For >25 To 50, Add	1,383.96	
	For >50 To 100, Add	691.98	
	For >500 To 1,000, Deduct	-272.18	
	For >1,000 To 2,000, Deduct	-411.35	
	For >2,000 To 5,000, Deduct	-670.46	
	For >5,000, Deduct	-1,113.34	

33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0278	LF 37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,478.80	
	For Vinylster Resin, Add	990.26	
	For Epoxy Resin, Add	116.71	
	For Up To >10, Add	899.75	
	For >10 To 25, Add	514.02	
	For >25 To 50, Add	379.14	
	For >50 To 100, Add	189.57	
	For >500 To 1,000, Deduct	-75.54	
	For >1,000 To 2,000, Deduct	-114.12	
	For >2,000 To 5,000, Deduct	-185.79	
	For >5,000, Deduct	-308.59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0279 LF 37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,789.85	
For Vinylester Resin, Add	1,198.57	
For Epoxy Resin, Add	141.26	
For Up To >10, Add	1,088.95	
For >10 To 25, Add	622.09	
For >25 To 50, Add	458.86	
For >50 To 100, Add	229.43	
For >500 To 1,000, Deduct	-91.43	
For >1,000 To 2,000, Deduct	-138.12	
For >2,000 To 5,000, Deduct	-224.87	
For >5,000, Deduct	-373.49	
33 01 30 72-0280 LF 37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,100.90	
For Vinylester Resin, Add	1,406.87	
For Epoxy Resin, Add	165.81	
For Up To >10, Add	1,278.15	
For >10 To 25, Add	730.16	
For >25 To 50, Add	538.58	
For >50 To 100, Add	269.29	
For >500 To 1,000, Deduct	-107.32	
For >1,000 To 2,000, Deduct	-162.12	
For >2,000 To 5,000, Deduct	-263.95	
For >5,000, Deduct	-438.40	
33 01 30 72-0281 LF 37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,411.95	
For Vinylester Resin, Add	1,615.17	
For Epoxy Resin, Add	190.36	
For Up To >10, Add	1,467.38	
For >10 To 25, Add	838.25	
For >25 To 50, Add	618.32	
For >50 To 100, Add	309.16	
For >500 To 1,000, Deduct	-123.21	
For >1,000 To 2,000, Deduct	-186.12	
For >2,000 To 5,000, Deduct	-303.03	
For >5,000, Deduct	-503.30	
33 01 30 72-0282 LF 37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,723.00	
For Vinylester Resin, Add	1,823.48	
For Epoxy Resin, Add	214.91	
For Up To >10, Add	1,656.58	
For >10 To 25, Add	946.32	
For >25 To 50, Add	698.04	
For >50 To 100, Add	349.02	
For >500 To 1,000, Deduct	-139.10	
For >1,000 To 2,000, Deduct	-210.13	
For >2,000 To 5,000, Deduct	-342.10	
For >5,000, Deduct	-568.21	
33 01 30 72-0283 LF 37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,034.05	
For Vinylester Resin, Add	2,031.79	
For Epoxy Resin, Add	239.46	
For Up To >10, Add	1,845.78	
For >10 To 25, Add	1,054.39	
For >25 To 50, Add	777.76	
For >50 To 100, Add	388.88	
For >500 To 1,000, Deduct	-154.99	
For >1,000 To 2,000, Deduct	-234.13	
For >2,000 To 5,000, Deduct	-381.18	
For >5,000, Deduct	-633.11	
33 01 30 72-0284 LF 37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,352.40	
For Vinylester Resin, Add	2,240.08	
For Epoxy Resin, Add	264.01	
For Up To >10, Add	2,056.90	
For >10 To 25, Add	1,180.73	
For >25 To 50, Add	868.44	
For >50 To 100, Add	434.22	
For >500 To 1,000, Deduct	-171.43	
For >1,000 To 2,000, Deduct	-259.04	
For >2,000 To 5,000, Deduct	-422.08	
For >5,000, Deduct	-700.94	
33 01 30 72-0285 LF 37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,664.14	
For Vinylester Resin, Add	2,448.38	
For Epoxy Resin, Add	288.56	
For Up To >10, Add	2,248.20	
For >10 To 25, Add	1,290.55	
For >25 To 50, Add	949.21	
For >50 To 100, Add	474.61	
For >500 To 1,000, Deduct	-187.37	
For >1,000 To 2,000, Deduct	-283.13	
For >2,000 To 5,000, Deduct	-461.34	
For >5,000, Deduct	-766.12	
33 01 30 72-0286 LF 37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,973.51	
For Vinylester Resin, Add	2,656.69	
For Epoxy Resin, Add	313.11	
For Up To >10, Add	2,432.36	
For >10 To 25, Add	1,394.42	
For >25 To 50, Add	1,026.41	
For >50 To 100, Add	513.21	
For >500 To 1,000, Deduct	-203.13	
For >1,000 To 2,000, Deduct	-306.93	
For >2,000 To 5,000, Deduct	-499.99	
For >5,000, Deduct	-830.35	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0287	LF 37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,287.65
	For Vinylester Resin, Add	2,865.00
	For Epoxy Resin, Add	337.66
	For Up To >10, Add	2,630.83
	For >10 To 25, Add	1,510.21
	For >25 To 50, Add	1,110.77
	For >50 To 100, Add	555.39
	For >500 To 1,000, Deduct	-219.25
	For >1,000 To 2,000, Deduct	-331.31
	For >2,000 To 5,000, Deduct	-539.84
	For >5,000, Deduct	-896.49
33 01 30 72-0288	LF 37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,599.40
	For Vinylester Resin, Add	3,073.30
	For Epoxy Resin, Add	362.21
	For Up To >10, Add	2,822.13
	For >10 To 25, Add	1,620.03
	For >25 To 50, Add	1,191.54
	For >50 To 100, Add	595.77
	For >500 To 1,000, Deduct	-235.19
	For >1,000 To 2,000, Deduct	-355.40
	For >2,000 To 5,000, Deduct	-579.09
	For >5,000, Deduct	-961.67
33 01 30 72-0289	LF 37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,911.01
	For Vinylester Resin, Add	3,281.60
	For Epoxy Resin, Add	386.76
	For Up To >10, Add	3,013.03
	For >10 To 25, Add	1,729.53
	For >25 To 50, Add	1,272.12
	For >50 To 100, Add	636.06
	For >500 To 1,000, Deduct	-251.13
	For >1,000 To 2,000, Deduct	-379.48
	For >2,000 To 5,000, Deduct	-618.31
	For >5,000, Deduct	-1,026.80
33 01 30 72-0290	LF 37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,222.76
	For Vinylester Resin, Add	3,489.91
	For Epoxy Resin, Add	411.31
	For Up To >10, Add	3,204.33
	For >10 To 25, Add	1,839.35
	For >25 To 50, Add	1,352.89
	For >50 To 100, Add	676.44
	For >500 To 1,000, Deduct	-267.07
	For >1,000 To 2,000, Deduct	-403.57
	For >2,000 To 5,000, Deduct	-657.56
	For >5,000, Deduct	-1,091.99
33 01 30 72-0291	LF 37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,534.51
	For Vinylester Resin, Add	3,698.21
	For Epoxy Resin, Add	435.86
	For Up To >10, Add	3,395.63
	For >10 To 25, Add	1,949.17
	For >25 To 50, Add	1,433.66
	For >50 To 100, Add	716.83
	For >500 To 1,000, Deduct	-283.01
	For >1,000 To 2,000, Deduct	-427.66
	For >2,000 To 5,000, Deduct	-696.82
	For >5,000, Deduct	-1,157.17

33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0293	LF 39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,856.83
	For Vinylester Resin, Add	1,244.38
	For Epoxy Resin, Add	146.66
	For Up To >10, Add	1,126.29
	For >10 To 25, Add	642.30
	For >25 To 50, Add	474.26
	For >50 To 100, Add	237.13
	For >500 To 1,000, Deduct	-94.82
	For >1,000 To 2,000, Deduct	-143.22
	For >2,000 To 5,000, Deduct	-233.11
	For >5,000, Deduct	-387.20
33 01 30 72-0294	LF 39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,180.07
	For Vinylester Resin, Add	1,461.01
	For Epoxy Resin, Add	172.19
	For Up To >10, Add	1,322.31
	For >10 To 25, Add	754.07
	For >25 To 50, Add	556.80
	For >50 To 100, Add	278.40
	For >500 To 1,000, Deduct	-111.33
	For >1,000 To 2,000, Deduct	-168.15
	For >2,000 To 5,000, Deduct	-273.69
	For >5,000, Deduct	-454.60
33 01 30 72-0295	LF 39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,503.30
	For Vinylester Resin, Add	1,677.65
	For Epoxy Resin, Add	197.72
	For Up To >10, Add	1,518.30
	For >10 To 25, Add	865.81
	For >25 To 50, Add	639.32
	For >50 To 100, Add	319.66
	For >500 To 1,000, Deduct	-127.83
	For >1,000 To 2,000, Deduct	-193.08
	For >2,000 To 5,000, Deduct	-314.26
	For >5,000, Deduct	-521.99

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0296 LF 39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,826.54	
For Vinlyester Resin, Add	1,894.28	
For Epoxy Resin, Add	223.25	
For Up To >10, Add	1,714.32	
For >10 To 25, Add	977.58	
For >25 To 50, Add	721.85	
For >50 To 100, Add	360.93	
For >500 To 1,000, Deduct	-144.34	
For >1,000 To 2,000, Deduct	-218.01	
For >2,000 To 5,000, Deduct	-354.84	
For >5,000, Deduct	-589.39	
33 01 30 72-0297 LF 39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,149.91	
For Vinlyester Resin, Add	2,110.92	
For Epoxy Resin, Add	248.79	
For Up To >10, Add	1,910.73	
For >10 To 25, Add	1,089.68	
For >25 To 50, Add	804.59	
For >50 To 100, Add	402.29	
For >500 To 1,000, Deduct	-160.85	
For >1,000 To 2,000, Deduct	-242.96	
For >2,000 To 5,000, Deduct	-395.45	
For >5,000, Deduct	-656.84	
33 01 30 72-0298 LF 39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,480.45	
For Vinlyester Resin, Add	2,327.56	
For Epoxy Resin, Add	274.32	
For Up To >10, Add	2,128.65	
For >10 To 25, Add	1,219.70	
For >25 To 50, Add	898.07	
For >50 To 100, Add	449.04	
For >500 To 1,000, Deduct	-177.91	
For >1,000 To 2,000, Deduct	-268.80	
For >2,000 To 5,000, Deduct	-437.85	
For >5,000, Deduct	-727.16	
33 01 30 72-0299 LF 39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,804.38	
For Vinlyester Resin, Add	2,544.19	
For Epoxy Resin, Add	299.85	
For Up To >10, Add	2,326.74	
For >10 To 25, Add	1,333.19	
For >25 To 50, Add	981.64	
For >50 To 100, Add	490.82	
For >500 To 1,000, Deduct	-194.46	
For >1,000 To 2,000, Deduct	-293.82	
For >2,000 To 5,000, Deduct	-478.60	
For >5,000, Deduct	-794.84	
33 01 30 72-0300 LF 39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,128.31	
For Vinlyester Resin, Add	2,760.83	
For Epoxy Resin, Add	325.38	
For Up To >10, Add	2,524.83	
For >10 To 25, Add	1,446.69	
For >25 To 50, Add	1,065.21	
For >50 To 100, Add	532.61	
For >500 To 1,000, Deduct	-211.02	
For >1,000 To 2,000, Deduct	-318.84	
For >2,000 To 5,000, Deduct	-519.35	
For >5,000, Deduct	-862.52	
33 01 30 72-0301 LF 39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,452.38	
For Vinlyester Resin, Add	2,977.46	
For Epoxy Resin, Add	350.92	
For Up To >10, Add	2,723.34	
For >10 To 25, Add	1,560.53	
For >25 To 50, Add	1,148.99	
For >50 To 100, Add	574.50	
For >500 To 1,000, Deduct	-227.59	
For >1,000 To 2,000, Deduct	-343.87	
For >2,000 To 5,000, Deduct	-560.14	
For >5,000, Deduct	-930.25	
33 01 30 72-0302 LF 39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,776.33	
For Vinlyester Resin, Add	3,194.10	
For Epoxy Resin, Add	376.45	
For Up To >10, Add	2,921.49	
For >10 To 25, Add	1,674.08	
For >25 To 50, Add	1,232.60	
For >50 To 100, Add	616.30	
For >500 To 1,000, Deduct	-244.15	
For >1,000 To 2,000, Deduct	-368.89	
For >2,000 To 5,000, Deduct	-600.89	
For >5,000, Deduct	-997.93	
33 01 30 72-0303 LF 39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,100.26	
For Vinlyester Resin, Add	3,410.74	
For Epoxy Resin, Add	401.98	
For Up To >10, Add	3,119.58	
For >10 To 25, Add	1,787.57	
For >25 To 50, Add	1,316.17	
For >50 To 100, Add	658.08	
For >500 To 1,000, Deduct	-260.71	
For >1,000 To 2,000, Deduct	-393.91	
For >2,000 To 5,000, Deduct	-641.64	
For >5,000, Deduct	-1,065.61	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0304	LF 39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,424.19	
	For Vinylster Resin, Add	3,627.37	
	For Epoxy Resin, Add	427.51	
	For Up To >10, Add	3,317.67	
	For >10 To 25, Add	1,901.07	
	For >25 To 50, Add	1,399.74	
	For >50 To 100, Add	699.87	
	For >500 To 1,000, Deduct	-277.27	
	For >1,000 To 2,000, Deduct	-418.93	
	For >2,000 To 5,000, Deduct	-682.39	
	For >5,000, Deduct	-1,133.28	
33 01 30 72-0305	LF 39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,748.13	
	For Vinylster Resin, Add	3,844.01	
	For Epoxy Resin, Add	453.04	
	For Up To >10, Add	3,515.79	
	For >10 To 25, Add	2,014.59	
	For >25 To 50, Add	1,483.32	
	For >50 To 100, Add	741.66	
	For >500 To 1,000, Deduct	-293.82	
	For >1,000 To 2,000, Deduct	-443.94	
	For >2,000 To 5,000, Deduct	-723.15	
	For >5,000, Deduct	-1,200.96	
33 01 30 72-0306	LF 39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,072.07	
	For Vinylster Resin, Add	4,060.64	
	For Epoxy Resin, Add	478.58	
	For Up To >10, Add	3,713.91	
	For >10 To 25, Add	2,128.11	
	For >25 To 50, Add	1,566.91	
	For >50 To 100, Add	783.45	
	For >500 To 1,000, Deduct	-310.38	
	For >1,000 To 2,000, Deduct	-468.96	
	For >2,000 To 5,000, Deduct	-763.90	
	For >5,000, Deduct	-1,268.64	
33 01 30 72-0307	LF 39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,396.00	
	For Vinylster Resin, Add	4,277.28	
	For Epoxy Resin, Add	504.11	
	For Up To >10, Add	3,912.00	
	For >10 To 25, Add	2,241.60	
	For >25 To 50, Add	1,650.48	
	For >50 To 100, Add	825.24	
	For >500 To 1,000, Deduct	-326.94	
	For >1,000 To 2,000, Deduct	-493.98	
	For >2,000 To 5,000, Deduct	-804.65	
	For >5,000, Deduct	-1,336.32	

33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0309	LF 40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,258.87	
	For Vinylster Resin, Add	1,515.00	
	For Epoxy Resin, Add	178.55	
	For Up To >10, Add	1,365.91	
	For >10 To 25, Add	777.55	
	For >25 To 50, Add	574.74	
	For >50 To 100, Add	287.37	
	For >500 To 1,000, Deduct	-115.31	
	For >1,000 To 2,000, Deduct	-174.14	
	For >2,000 To 5,000, Deduct	-283.36	
	For >5,000, Deduct	-470.69	
33 01 30 72-0310	LF 40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,594.28	
	For Vinylster Resin, Add	1,739.96	
	For Epoxy Resin, Add	205.07	
	For Up To >10, Add	1,568.72	
	For >10 To 25, Add	892.99	
	For >25 To 50, Add	660.08	
	For >50 To 100, Add	330.04	
	For >500 To 1,000, Deduct	-132.43	
	For >1,000 To 2,000, Deduct	-200.00	
	For >2,000 To 5,000, Deduct	-325.44	
	For >5,000, Deduct	-540.58	
33 01 30 72-0311	LF 40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,929.70	
	For Vinylster Resin, Add	1,964.93	
	For Epoxy Resin, Add	231.58	
	For Up To >10, Add	1,771.50	
	For >10 To 25, Add	1,008.41	
	For >25 To 50, Add	745.40	
	For >50 To 100, Add	372.70	
	For >500 To 1,000, Deduct	-149.55	
	For >1,000 To 2,000, Deduct	-225.86	
	For >2,000 To 5,000, Deduct	-367.51	
	For >5,000, Deduct	-610.47	
33 01 30 72-0312	LF 40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,265.12	
	For Vinylster Resin, Add	2,189.89	
	For Epoxy Resin, Add	258.09	
	For Up To >10, Add	1,974.31	
	For >10 To 25, Add	1,123.86	
	For >25 To 50, Add	830.73	
	For >50 To 100, Add	415.37	
	For >500 To 1,000, Deduct	-166.67	
	For >1,000 To 2,000, Deduct	-251.72	
	For >2,000 To 5,000, Deduct	-409.59	
	For >5,000, Deduct	-680.36	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0313	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,608.12	
		For Vinlyester Resin, Add	2,414.87	
		For Epoxy Resin, Add	284.61	
		For Up To >10, Add	2,199.84	
		For >10 To 25, Add	1,258.23	
		For >25 To 50, Add	927.43	
		For >50 To 100, Add	463.71	
		For >500 To 1,000, Deduct	-184.36	
		For >1,000 To 2,000, Deduct	-278.52	
		For >2,000 To 5,000, Deduct	-453.55	
		For >5,000, Deduct	-753.29	
33 01 30 72-0314	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,944.24	
		For Vinlyester Resin, Add	2,639.83	
		For Epoxy Resin, Add	311.12	
		For Up To >10, Add	2,404.75	
		For >10 To 25, Add	1,375.42	
		For >25 To 50, Add	1,013.81	
		For >50 To 100, Add	506.91	
		For >500 To 1,000, Deduct	-201.54	
		For >1,000 To 2,000, Deduct	-304.47	
		For >2,000 To 5,000, Deduct	-495.81	
		For >5,000, Deduct	-823.46	
33 01 30 72-0315	LF	40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,280.35	
		For Vinlyester Resin, Add	2,864.80	
		For Epoxy Resin, Add	337.64	
		For Up To >10, Add	2,609.63	
		For >10 To 25, Add	1,492.59	
		For >25 To 50, Add	1,100.18	
		For >50 To 100, Add	550.09	
		For >500 To 1,000, Deduct	-218.71	
		For >1,000 To 2,000, Deduct	-330.42	
		For >2,000 To 5,000, Deduct	-538.05	
		For >5,000, Deduct	-893.63	
33 01 30 72-0316	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,616.47	
		For Vinlyester Resin, Add	3,089.77	
		For Epoxy Resin, Add	364.15	
		For Up To >10, Add	2,814.54	
		For >10 To 25, Add	1,609.79	
		For >25 To 50, Add	1,186.57	
		For >50 To 100, Add	593.29	
		For >500 To 1,000, Deduct	-235.89	
		For >1,000 To 2,000, Deduct	-356.36	
		For >2,000 To 5,000, Deduct	-580.30	
		For >5,000, Deduct	-963.80	
33 01 30 72-0317	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,952.59	
		For Vinlyester Resin, Add	3,314.74	
		For Epoxy Resin, Add	390.67	
		For Up To >10, Add	3,019.42	
		For >10 To 25, Add	1,726.96	
		For >25 To 50, Add	1,272.94	
		For >50 To 100, Add	636.47	
		For >500 To 1,000, Deduct	-253.06	
		For >1,000 To 2,000, Deduct	-382.31	
		For >2,000 To 5,000, Deduct	-622.55	
		For >5,000, Deduct	-1,033.97	
33 01 30 72-0318	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,288.71	
		For Vinlyester Resin, Add	3,539.70	
		For Epoxy Resin, Add	417.18	
		For Up To >10, Add	3,224.33	
		For >10 To 25, Add	1,844.16	
		For >25 To 50, Add	1,359.33	
		For >50 To 100, Add	679.66	
		For >500 To 1,000, Deduct	-270.24	
		For >1,000 To 2,000, Deduct	-408.25	
		For >2,000 To 5,000, Deduct	-664.80	
		For >5,000, Deduct	-1,104.14	
33 01 30 72-0319	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,624.83	
		For Vinlyester Resin, Add	3,764.67	
		For Epoxy Resin, Add	443.69	
		For Up To >10, Add	3,429.24	
		For >10 To 25, Add	1,961.35	
		For >25 To 50, Add	1,445.72	
		For >50 To 100, Add	722.86	
		For >500 To 1,000, Deduct	-287.41	
		For >1,000 To 2,000, Deduct	-434.20	
		For >2,000 To 5,000, Deduct	-707.05	
		For >5,000, Deduct	-1,174.31	
33 01 30 72-0320	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,960.94	
		For Vinlyester Resin, Add	3,989.64	
		For Epoxy Resin, Add	470.21	
		For Up To >10, Add	3,634.12	
		For >10 To 25, Add	2,078.52	
		For >25 To 50, Add	1,532.09	
		For >50 To 100, Add	766.04	
		For >500 To 1,000, Deduct	-304.58	
		For >1,000 To 2,000, Deduct	-460.14	
		For >2,000 To 5,000, Deduct	-749.30	
		For >5,000, Deduct	-1,244.48	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 30 72-0321	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,297.07	
		For Vinylster Resin, Add	4,214.61	
		For Epoxy Resin, Add	496.72	
		For Up To >10, Add	3,839.04	
		For >10 To 25, Add	2,195.72	
		For >25 To 50, Add	1,618.47	
		For >50 To 100, Add	809.24	
		For >500 To 1,000, Deduct	-321.76	
		For >1,000 To 2,000, Deduct	-486.09	
		For >2,000 To 5,000, Deduct	-791.55	
		For >5,000, Deduct	-1,314.65	
33 01 30 72-0322	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	6,633.18	
		For Vinylster Resin, Add	4,439.58	
		For Epoxy Resin, Add	523.24	
		For Up To >10, Add	4,043.92	
		For >10 To 25, Add	2,312.89	
		For >25 To 50, Add	1,704.85	
		For >50 To 100, Add	852.42	
		For >500 To 1,000, Deduct	-338.93	
		For >1,000 To 2,000, Deduct	-512.04	
		For >2,000 To 5,000, Deduct	-833.80	
		For >5,000, Deduct	-1,384.82	

33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

33 01 30 72-0324	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,684.88	
		For Vinylster Resin, Add	1,802.10	
		For Epoxy Resin, Add	212.39	
		For Up To >10, Add	1,618.57	
		For >10 To 25, Add	919.73	
		For >25 To 50, Add	680.56	
		For >50 To 100, Add	340.28	
		For >500 To 1,000, Deduct	-137.01	
		For >1,000 To 2,000, Deduct	-206.89	
		For >2,000 To 5,000, Deduct	-336.54	
		For >5,000, Deduct	-559.07	
33 01 30 72-0325	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,032.49	
		For Vinylster Resin, Add	2,035.41	
		For Epoxy Resin, Add	239.89	
		For Up To >10, Add	1,828.15	
		For >10 To 25, Add	1,038.83	
		For >25 To 50, Add	768.69	
		For >50 To 100, Add	384.34	
		For >500 To 1,000, Deduct	-154.74	
		For >1,000 To 2,000, Deduct	-233.67	
		For >2,000 To 5,000, Deduct	-380.12	
		For >5,000, Deduct	-631.45	
33 01 30 72-0326	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,380.09	
		For Vinylster Resin, Add	2,268.71	
		For Epoxy Resin, Add	267.38	
		For Up To >10, Add	2,037.75	
		For >10 To 25, Add	1,157.95	
		For >25 To 50, Add	856.82	
		For >50 To 100, Add	428.41	
		For >500 To 1,000, Deduct	-172.48	
		For >1,000 To 2,000, Deduct	-260.46	
		For >2,000 To 5,000, Deduct	-423.69	
		For >5,000, Deduct	-703.83	
33 01 30 72-0327	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,735.41	
		For Vinylster Resin, Add	2,502.00	
		For Epoxy Resin, Add	294.88	
		For Up To >10, Add	2,270.51	
		For >10 To 25, Add	1,296.37	
		For >25 To 50, Add	956.54	
		For >50 To 100, Add	478.27	
		For >500 To 1,000, Deduct	-190.80	
		For >1,000 To 2,000, Deduct	-288.21	
		For >2,000 To 5,000, Deduct	-469.19	
		For >5,000, Deduct	-779.31	
33 01 30 72-0328	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,083.71	
		For Vinylster Resin, Add	2,735.31	
		For Epoxy Resin, Add	322.38	
		For Up To >10, Add	2,482.18	
		For >10 To 25, Add	1,417.22	
		For >25 To 50, Add	1,045.71	
		For >50 To 100, Add	522.86	
		For >500 To 1,000, Deduct	-208.59	
		For >1,000 To 2,000, Deduct	-315.08	
		For >2,000 To 5,000, Deduct	-512.94	
		For >5,000, Deduct	-851.97	
33 01 30 72-0329	LF	42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,432.02	
		For Vinylster Resin, Add	2,968.61	
		For Epoxy Resin, Add	349.87	
		For Up To >10, Add	2,693.89	
		For >10 To 25, Add	1,538.09	
		For >25 To 50, Add	1,134.90	
		For >50 To 100, Add	567.45	
		For >500 To 1,000, Deduct	-226.38	
		For >1,000 To 2,000, Deduct	-341.96	
		For >2,000 To 5,000, Deduct	-556.69	
		For >5,000, Deduct	-924.63	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0330	LF	42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,780.32	
		For Vinylester Resin, Add	3,201.91	
		For Epoxy Resin, Add	377.37	
		For Up To >10, Add	2,905.59	
		For >10 To 25, Add	1,658.96	
		For >25 To 50, Add	1,224.09	
		For >50 To 100, Add	612.04	
		For >500 To 1,000, Deduct	-244.17	
		For >1,000 To 2,000, Deduct	-368.83	
		For >2,000 To 5,000, Deduct	-600.44	
		For >5,000, Deduct	-997.30	
33 01 30 72-0331	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,128.62	
		For Vinylester Resin, Add	3,435.21	
		For Epoxy Resin, Add	404.86	
		For Up To >10, Add	3,117.26	
		For >10 To 25, Add	1,779.81	
		For >25 To 50, Add	1,313.26	
		For >50 To 100, Add	656.63	
		For >500 To 1,000, Deduct	-261.96	
		For >1,000 To 2,000, Deduct	-395.71	
		For >2,000 To 5,000, Deduct	-644.19	
		For >5,000, Deduct	-1,069.96	
33 01 30 72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,476.92	
		For Vinylester Resin, Add	3,668.50	
		For Epoxy Resin, Add	432.36	
		For Up To >10, Add	3,328.96	
		For >10 To 25, Add	1,900.68	
		For >25 To 50, Add	1,402.44	
		For >50 To 100, Add	701.22	
		For >500 To 1,000, Deduct	-279.75	
		For >1,000 To 2,000, Deduct	-422.58	
		For >2,000 To 5,000, Deduct	-687.94	
		For >5,000, Deduct	-1,142.62	
33 01 30 72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,825.22	
		For Vinylester Resin, Add	3,901.81	
		For Epoxy Resin, Add	459.86	
		For Up To >10, Add	3,540.64	
		For >10 To 25, Add	2,021.53	
		For >25 To 50, Add	1,491.62	
		For >50 To 100, Add	745.81	
		For >500 To 1,000, Deduct	-297.54	
		For >1,000 To 2,000, Deduct	-449.45	
		For >2,000 To 5,000, Deduct	-731.68	
		For >5,000, Deduct	-1,215.29	
33 01 30 72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	6,173.54	
		For Vinylester Resin, Add	4,135.11	
		For Epoxy Resin, Add	487.35	
		For Up To >10, Add	3,752.37	
		For >10 To 25, Add	2,142.43	
		For >25 To 50, Add	1,580.82	
		For >50 To 100, Add	790.41	
		For >500 To 1,000, Deduct	-315.33	
		For >1,000 To 2,000, Deduct	-476.33	
		For >2,000 To 5,000, Deduct	-775.44	
		For >5,000, Deduct	-1,287.96	
33 01 30 72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	6,521.83	
		For Vinylester Resin, Add	4,368.41	
		For Epoxy Resin, Add	514.85	
		For Up To >10, Add	3,964.04	
		For >10 To 25, Add	2,263.27	
		For >25 To 50, Add	1,669.99	
		For >50 To 100, Add	835.00	
		For >500 To 1,000, Deduct	-333.12	
		For >1,000 To 2,000, Deduct	-503.20	
		For >2,000 To 5,000, Deduct	-819.18	
		For >5,000, Deduct	-1,360.62	
33 01 30 72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	6,870.14	
		For Vinylester Resin, Add	4,601.71	
		For Epoxy Resin, Add	542.34	
		For Up To >10, Add	4,175.75	
		For >10 To 25, Add	2,384.14	
		For >25 To 50, Add	1,759.18	
		For >50 To 100, Add	879.59	
		For >500 To 1,000, Deduct	-350.91	
		For >1,000 To 2,000, Deduct	-530.07	
		For >2,000 To 5,000, Deduct	-862.93	
		For >5,000, Deduct	-1,433.28	

33 01 30 74 Cured-in-Place Lateral Lining (33 01 30)

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement (33 01 30 74)

33 01 30 74-0002 Lateral Reinstatement/Reconnection (33 01 30 74-0001)

33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic).....	578.52	
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)	625.42	
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)	664.52	
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)	703.60	
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)	742.69	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
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33 01 30 74-0008		Grout Lateral Service (33 01 30 74-0001)		
33 01 30 74-0009		Grout Lateral Service - Bladder (33 01 30 74-0008)		
33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder	618.76	
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder	710.04	
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder	801.34	
33 01 30 74-0013		Grout Lateral Service - Robotic Trowel Application (33 01 30 74-0008)		
33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application	673.70	
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application	728.64	
33 01 30 74-0016		Lateral T-Liner (33 01 30 74-0001)		
		Note: As manufactured by LMK.		
33 01 30 74-0017	EA	Up To 4" Lateral T-Liner	820.41	
33 01 30 74-0018	EA	6" Lateral T-Liner	919.74	
33 01 30 74-0019	EA	8" Lateral T-Liner	1,069.19	
33 01 30 74-0020		Lining Lateral Pipe (33 01 30 74-0001)		
33 01 30 74-0021		Lining Lateral Pipe (33 01 30 74-0020)		
33 01 30 74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP)	44.03	
		For 7.5mm, Add	5.20	
		For 9 mm, Add	10.29	
33 01 30 74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP)	53.02	
		For 7.5mm, Add	7.09	
		For 9 mm, Add	14.02	
33 01 30 74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP)	69.95	
		For 7.5mm, Add	10.85	
		For 9 mm, Add	21.46	
33 01 30 74-0025		Lining Manhole Drop (33 01 30 74-0020)		
33 01 30 74-0026	EA	Manhole Drop Section Lining	891.50	
33 01 30 79		Fold-and-Form Pipe Lining (33 01 30)		
33 01 30 79-0001		Form and Fold Relining Underground Pipelines (33 01 30 79)		
		Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002		Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion (33 01 30 79-0001)		
33 01 30 79-0003	EA	Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines	5,613.78	
33 01 30 79-0004	EA	Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	2,245.52	
33 01 30 79-0005		Form And Fold Polyethylene (PE) Pipeliner (33 01 30 79-0001)		
33 01 30 79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	38.68	
		For DR 26 Pipe Liner, Add	6.66	
		For Up To 75, Add	23.38	
		For >75 To 150, Add	11.69	
		For >500 To 1,000, Deduct	-0.90	
		For >1,000 To 2,000, Deduct	-1.80	
		For >2,000, Deduct	-3.61	
33 01 30 79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	49.16	
		For DR 26 Pipe Liner, Add	9.05	
		For DR 35 Pipe Liner, Deduct	-4.53	
		For Up To 75, Add	26.68	
		For >75 To 150, Add	13.34	
		For >500 To 1,000, Deduct	-0.97	
		For >1,000 To 2,000, Deduct	-1.94	
		For >2,000, Deduct	-3.89	
33 01 30 79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	50.90	
		For DR 26 Pipe Liner, Add	9.22	
		For DR 35 Pipe Liner, Deduct	-4.61	
		For Up To 75, Add	28.42	
		For >75 To 150, Add	14.21	
		For >500 To 1,000, Deduct	-1.05	
		For >1,000 To 2,000, Deduct	-2.10	
		For >2,000, Deduct	-4.21	
33 01 30 79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	70.61	
		For DR 26 Pipe Liner, Add	13.83	
		For DR 35 Pipe Liner, Deduct	-6.91	
		For DR 41 Pipe Liner, Deduct	-13.83	
		For Up To 75, Add	34.03	
		For >75 To 150, Add	17.01	
		For >500 To 1,000, Deduct	-1.15	
		For >1,000 To 2,000, Deduct	-2.30	
		For >2,000, Deduct	-4.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0010	LF		12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	97.79	
			For DR 26 Pipe Liner, Add	20.24	
			For DR 35 Pipe Liner, Deduct	-10.12	
			For DR 41 Pipe Liner, Deduct	-20.24	
			For Up To 75, Add	41.46	
			For >75 To 150, Add	20.73	
			For >500 To 1,000, Deduct	-1.26	
			For >1,000 To 2,000, Deduct	-2.53	
			For >2,000, Deduct	-5.06	
33 01 30 79-0011	LF		15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	133.09	
			For DR 35 Pipe Liner, Deduct	-14.24	
			For DR 41 Pipe Liner, Deduct	-28.49	
			For Up To 75, Add	51.50	
			For >75 To 150, Add	25.75	
			For >500 To 1,000, Deduct	-1.44	
			For >1,000 To 2,000, Deduct	-2.87	
			For >2,000, Deduct	-5.74	
33 01 30 79-0012	LF		18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	186.83	
			For DR 41 Pipe Liner, Deduct	-16.52	
			For DR 50 Pipe Liner, Deduct	-33.05	
			For Up To 75, Add	65.45	
			For >75 To 150, Add	32.72	
			For >500 To 1,000, Deduct	-1.62	
			For >1,000 To 2,000, Deduct	-3.24	
			For >2,000, Deduct	-6.48	
33 01 30 79-0013	LF		21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	211.08	
			For DR 50 Pipe Liner, Deduct	-28.15	
			For DR 55 Pipe Liner, Deduct	-46.92	
			For Up To 75, Add	72.62	
			For >75 To 150, Add	36.31	
			For >500 To 1,000, Deduct	-1.75	
			For >1,000 To 2,000, Deduct	-3.51	
			For >2,000, Deduct	-7.02	
33 01 30 79-0014	LF		24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	256.78	
			For DR 60 Pipe Liner, Deduct	-34.69	
			For Up To 75, Add	84.53	
			For >75 To 150, Add	42.27	
			For >500 To 1,000, Deduct	-1.91	
			For >1,000 To 2,000, Deduct	-3.83	
			For >2,000, Deduct	-7.66	
33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 79-0001)					
33 01 30 79-0016	LF		4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	41.19	
			For Up To 75, Add	23.88	
			For >75 To 150, Add	11.94	
			For >500 To 1,000, Deduct	-0.90	
			For >1,000 To 2,000, Deduct	-1.80	
			For >2,000, Deduct	-3.61	
			For DR 26 Pipe Liner, Add	7.29	
33 01 30 79-0017	LF		6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	49.16	
			For Up To 75, Add	26.68	
			For >75 To 150, Add	13.34	
			For >500 To 1,000, Deduct	-0.97	
			For >1,000 To 2,000, Deduct	-1.94	
			For >2,000, Deduct	-3.89	
			For DR 26 Pipe Liner, Add	9.05	
			For DR 35 Pipe Liner, Deduct	-4.53	
33 01 30 79-0018	LF		8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	54.25	
			For Up To 75, Add	29.09	
			For >75 To 150, Add	14.54	
			For >500 To 1,000, Deduct	-1.05	
			For >1,000 To 2,000, Deduct	-2.10	
			For >2,000, Deduct	-4.21	
			For DR 26 Pipe Liner, Add	10.06	
			For DR 35 Pipe Liner, Deduct	-5.03	
33 01 30 79-0019	LF		10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	75.64	
			For Up To 75, Add	35.03	
			For >75 To 150, Add	17.52	
			For >500 To 1,000, Deduct	-1.15	
			For >1,000 To 2,000, Deduct	-2.30	
			For >2,000, Deduct	-4.59	
			For DR 26 Pipe Liner, Add	15.08	
			For DR 35 Pipe Liner, Deduct	-7.54	
			For DR 41 Pipe Liner, Deduct	-15.08	
33 01 30 79-0020	LF		12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	105.33	
			For Up To 75, Add	42.97	
			For >75 To 150, Add	21.49	
			For >500 To 1,000, Deduct	-1.26	
			For >1,000 To 2,000, Deduct	-2.53	
			For >2,000, Deduct	-5.06	
			For DR 26 Pipe Liner, Add	22.12	
			For DR 35 Pipe Liner, Deduct	-11.06	
			For DR 41 Pipe Liner, Deduct	-22.12	

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33 01 30 79-0021	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	143.82	
		For Up To 75, Add	53.65	
		For >75 To 150, Add	26.82	
		For >500 To 1,000, Deduct	-1.44	
		For >1,000 To 2,000, Deduct	-2.87	
		For >2,000, Deduct	-5.74	
		For DR 35 Pipe Liner, Deduct	-15.59	
		For DR 41 Pipe Liner, Deduct	-31.17	
33 01 30 79-0022	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	202.59	
		For Up To 75, Add	68.60	
		For >75 To 150, Add	34.30	
		For >500 To 1,000, Deduct	-1.62	
		For >1,000 To 2,000, Deduct	-3.24	
		For >2,000, Deduct	-6.48	
		For DR 41 Pipe Liner, Deduct	-18.10	
		For DR 50 Pipe Liner, Deduct	-36.20	
33 01 30 79-0023	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	228.51	
		For Up To 75, Add	76.11	
		For >75 To 150, Add	38.05	
		For >500 To 1,000, Deduct	-1.75	
		For >1,000 To 2,000, Deduct	-3.51	
		For >2,000, Deduct	-7.02	
		For DR 50 Pipe Liner, Deduct	-30.77	
		For DR 55 Pipe Liner, Deduct	-51.28	
33 01 30 79-0024	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	278.90	
		For Up To 75, Add	88.96	
		For >75 To 150, Add	44.48	
		For >500 To 1,000, Deduct	-1.91	
		For >1,000 To 2,000, Deduct	-3.83	
		For >2,000, Deduct	-7.66	
		For DR 60 Pipe Liner, Deduct	-38.01	

33 01 30 81 Manhole Rehabilitation (33 01 30)**33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)**

Note: Work is in confined spaces.

33 01 30 81-0002 Inspection And Ventilation System Set-up (33 01 30 81-0001)

33 01 30 81-0003	EA	Inspect Manhole	203.12	
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	15,345.46	
		Note: For internal inspection and repair of water mains.		
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System	21,749.99	
		Note: For internal inspection and repair of water mains		

33 01 30 81-0006 Manhole Seals (33 01 30 81-0001)**33 01 30 81-0007 Internal Manhole Chimney Seals (33 01 30 81-0006)**

Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal.....	593.86	
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal.....	625.95	
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal.....	642.00	
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal.....	738.29	
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal.....	834.61	
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal.....	930.90	
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal.....	1,123.50	

33 01 30 81-0015 External Manhole Encapsulation (33 01 30 81-0006)

Note: Wrapidseal.

33 01 30 81-0016	EA	24" External Manhole Encapsulation	866.71	
33 01 30 81-0017	EA	30" External Manhole Encapsulation	914.85	
33 01 30 81-0018	EA	36" External Manhole Encapsulation	979.05	
33 01 30 81-0019	EA	42" External Manhole Encapsulation	1,059.30	
33 01 30 81-0020	EA	48" External Manhole Encapsulation	1,171.65	
33 01 30 81-0021	EA	54" External Manhole Encapsulation	1,300.05	
33 01 30 81-0022	EA	60" External Manhole Encapsulation	1,460.55	

33 01 30 81-0023 Manhole Crack Repair (33 01 30 81-0001)

Note: Includes removing loose materials and cleaning.

33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	59.05	
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	79.54	
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	55.45	
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	75.23	

33 01 30 81-0028 Manhole Patching (33 01 30 81-0001)

Note: Includes removing loose materials and cleaning.

33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	19.18	
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	43.14	

33 01 30 81-0031 Manhole Joint Restoration (33 01 30 81-0001)

Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,492.07	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		

For Grouting Each Additional Manhole Joint Section, Add

241.68

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33 01 30 81-0033	EA		3-1/2" Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	2,909.18 269.47	
33 01 30 81-0034	EA		4" Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	3,322.76 297.25	
33 01 30 81-0035	EA		5" Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	3,946.86 311.14	
33 01 30 81-0036	EA		6" Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	4,569.19 325.03	
33 01 30 81-0037			Manhole Penetration Sealing (33 01 30 81-0001) Note: At new pipe connection to manhole.		
33 01 30 81-0038	EA		6" To 12" Opening, Seal New Pipe Connection To Existing Manhole.....	447.03	
33 01 30 81-0039	EA		>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole.....	693.80	
33 01 30 81-0040	EA		>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole.....	956.06	
33 01 30 81-0041			Step Installation In Existing Manholes (33 01 30 81-0001) Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0042	EA		Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	141.06	23.60
33 01 30 81-0043	EA		Drill And Grout Galvanized Steel Manhole Step.....	121.49	23.60
33 01 30 81-0044	EA		Bolt On Galvanized Steel Manhole Step.....	143.44	23.60
33 01 30 81-0045	EA		Drill And Grout Aluminum Manhole Step.....	149.11	23.60
33 01 30 81-0046	EA		Drill And Insert Polypropylene Manhole Step.....	73.21	18.88
33 01 30 81-0047			Invert Restoration (33 01 30 81-0001) Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0048			Concrete Invert Restoration (33 01 30 81-0047)		
33 01 30 81-0049	EA		2' Diameter, Concrete Invert Restoration.....	398.44	
33 01 30 81-0050	EA		3' Diameter, Concrete Invert Restoration.....	449.22	
33 01 30 81-0051	EA		4' Diameter, Concrete Invert Restoration.....	500.00	
33 01 30 81-0052	EA		5' Diameter, Concrete Invert Restoration.....	550.78	
33 01 30 81-0053	EA		6' Diameter, Concrete Invert Restoration.....	703.13	
33 01 30 81-0054	SF		Square Or Rectangular, Concrete Invert Restoration.....	39.76	
33 01 30 81-0055			Brick Invert Restoration (33 01 30 81-0047)		
33 01 30 81-0056	EA		2' Diameter, Brick Invert Restoration.....	661.30	
33 01 30 81-0057	EA		3' Diameter, Brick Invert Restoration.....	712.08	
33 01 30 81-0058	EA		4' Diameter, Brick Invert Restoration.....	762.86	
33 01 30 81-0059	EA		5' Diameter, Brick Invert Restoration.....	813.64	
33 01 30 81-0060	EA		6' Diameter, Brick Invert Restoration.....	864.42	
33 01 30 81-0061	SF		Square Or Rectangular, Brick Invert Restoration.....	55.94	
33 01 30 81-0062			Repair In-Kind Of Drainage Structures (33 01 30 81) Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0063	VLF		2' Diameter, Repair In-Kind Drainage Structure.....	853.50	
33 01 30 81-0064	VLF		3' Diameter, Repair In-Kind Drainage Structure.....	1,280.25	
33 01 30 81-0065	VLF		4' Diameter, Repair In-Kind Drainage Structure.....	1,707.12	
33 01 30 81-0066	VLF		5' Diameter, Repair In-Kind Drainage Structure.....	2,133.75	
33 01 30 81-0067	VLF		6' Diameter, Repair In-Kind Drainage Structure.....	2,560.51	
33 01 30 81-0068	VLF		2' x 2', Repair In-Kind Drainage Structure.....	1,087.26	
33 01 30 81-0069	VLF		2' x 3', Repair In-Kind Drainage Structure.....	1,359.08	
33 01 30 81-0070	VLF		2' x 4', Repair In-Kind Drainage Structure.....	1,630.90	
33 01 30 81-0071	VLF		3' x 4', Repair In-Kind Drainage Structure.....	1,902.71	
33 01 30 81-0072	VLF		4' x 4', Repair In-Kind Drainage Structure.....	2,174.53	
33 01 30 81-0073	VLF		4' x 5', Repair In-Kind Drainage Structure.....	2,446.35	
33 01 30 81-0074	VLF		4' x 6', Repair In-Kind Drainage Structure.....	2,718.16	
33 01 30 81-0075	VLF		4' x 8', Repair In-Kind Drainage Structure.....	3,261.79	
33 01 30 81-0076	VLF		>32 GSF, Repair In-Kind Drainage Structure.....	3,805.43	
33 01 30 82			Epoxy Lining for Concrete Manholes (33 01 30)		
33 01 30 82-0001			Epoxy Manhole Restoration, Interior (33 01 30 82)		
33 01 30 82-0002	VLF		60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior..... <i>For 80 Mil Material, Add</i> <i>For 100 Mil Material, Add</i> <i>For 125 Mil Material, Add</i> <i>For 150 Mil Material, Add</i> <i>For 200 Mil Material, Add</i> <i>For 2 To 5 Manholes, Deduct</i> <i>For 6 To 10 Manholes, Deduct</i> <i>For >10 Manholes, Deduct</i>	375.79 44.53 89.05 138.85 188.65 272.62 -26.60 -43.81 -87.62	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
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33 01 30 82-0003	VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	455.86	
	For 80 Mil Material, Add	53.27	
	For 100 Mil Material, Add	106.54	
	For 125 Mil Material, Add	165.97	
	For 150 Mil Material, Add	225.40	
	For 200 Mil Material, Add	325.16	
	For 2 To 5 Manholes, Deduct	-32.34	
	For 6 To 10 Manholes, Deduct	-53.29	
	For >10 Manholes, Deduct	-106.58	
33 01 30 82-0004	VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	501.05	
	For 80 Mil Material, Add	59.37	
	For 100 Mil Material, Add	118.73	
	For 125 Mil Material, Add	185.13	
	For 150 Mil Material, Add	251.52	
	For 200 Mil Material, Add	363.48	
	For 2 To 5 Manholes, Deduct	-35.47	
	For 6 To 10 Manholes, Deduct	-58.41	
	For >10 Manholes, Deduct	-116.83	
33 01 30 82-0005	VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	626.39	
	For 80 Mil Material, Add	74.23	
	For 100 Mil Material, Add	148.47	
	For 125 Mil Material, Add	231.49	
	For 150 Mil Material, Add	314.52	
	For 200 Mil Material, Add	454.52	
	For 2 To 5 Manholes, Deduct	-44.34	
	For 6 To 10 Manholes, Deduct	-73.02	
	For >10 Manholes, Deduct	-146.05	
33 01 30 82-0006	VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	751.65	
	For 80 Mil Material, Add	89.07	
	For 100 Mil Material, Add	178.15	
	For 125 Mil Material, Add	277.77	
	For 150 Mil Material, Add	377.39	
	For 200 Mil Material, Add	545.38	
	For 2 To 5 Manholes, Deduct	-53.21	
	For 6 To 10 Manholes, Deduct	-87.63	
	For >10 Manholes, Deduct	-175.25	

33 01 30 83 Lining for Concrete Manholes (33 01 30)**33 01 30 83-0001 Manhole Lining (33 01 30 83)**

Note: Includes power washing and cleaning of manhole interiors.

33 01 30 83-0002 Cementitious Manhole Restoration, Interior (33 01 30 83-0001)

33 01 30 83-0003	VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior	160.48	
	For Each Additional 1/2" Thick Material, Add	38.86	
	For 2 To 5 Manholes, Deduct	-11.32	
	For 6 To 10 Manholes, Deduct	-18.63	
	For >10 Manholes, Deduct	-37.27	
33 01 30 83-0004	VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	186.07	
	For Each Additional 1/2" Thick Material, Add	45.23	
	For 2 To 5 Manholes, Deduct	-13.12	
	For 6 To 10 Manholes, Deduct	-21.59	
	For >10 Manholes, Deduct	-43.19	
33 01 30 83-0005	VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior	211.66	
	For Each Additional 1/2" Thick Material, Add	51.59	
	For 2 To 5 Manholes, Deduct	-14.92	
	For 6 To 10 Manholes, Deduct	-24.56	
	For >10 Manholes, Deduct	-49.11	
33 01 30 83-0006	VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior	249.18	
	For Each Additional 1/2" Thick Material, Add	63.13	
	For 2 To 5 Manholes, Deduct	-17.49	
	For 6 To 10 Manholes, Deduct	-28.76	
	For >10 Manholes, Deduct	-57.52	
33 01 30 83-0007	VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior	272.35	
	For Each Additional 1/2" Thick Material, Add	72.88	
	For 2 To 5 Manholes, Deduct	-19.00	
	For 6 To 10 Manholes, Deduct	-31.19	
	For >10 Manholes, Deduct	-62.38	

33 01 30 83-0008 Polyurethane Manhole Restoration, Interior (33 01 30 83-0001)

33 01 30 83-0009	VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	334.62	
	For 80 Mil Material, Add	30.80	
	For 100 Mil Material, Add	61.61	
	For 125 Mil Material, Add	94.25	
	For 150 Mil Material, Add	126.89	
	For 200 Mil Material, Add	176.56	
	For 2 To 5 Manholes, Deduct	-24.54	
	For 6 To 10 Manholes, Deduct	-40.72	
	For >10 Manholes, Deduct	-81.45	
33 01 30 83-0010	VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	407.76	
	For 80 Mil Material, Add	37.24	
	For 100 Mil Material, Add	74.48	
	For 125 Mil Material, Add	113.87	
	For 150 Mil Material, Add	153.25	
	For 200 Mil Material, Add	212.93	
	For 2 To 5 Manholes, Deduct	-29.94	
	For 6 To 10 Manholes, Deduct	-49.68	
	For >10 Manholes, Deduct	-99.36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0011 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	446.16	
For 80 Mil Material, Add	41.07	
For 100 Mil Material, Add	82.14	
For 125 Mil Material, Add	125.66	
For 150 Mil Material, Add	169.19	
For 200 Mil Material, Add	235.40	
For 2 To 5 Manholes, Deduct	-32.73	
For 6 To 10 Manholes, Deduct	-54.30	
For >10 Manholes, Deduct	-108.60	
33 01 30 83-0012 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	557.70	
For 80 Mil Material, Add	51.34	
For 100 Mil Material, Add	102.67	
For 125 Mil Material, Add	157.08	
For 150 Mil Material, Add	211.48	
For 200 Mil Material, Add	294.25	
For 2 To 5 Manholes, Deduct	-40.91	
For 6 To 10 Manholes, Deduct	-67.87	
For >10 Manholes, Deduct	-135.74	
33 01 30 83-0013 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	669.24	
For 80 Mil Material, Add	61.60	
For 100 Mil Material, Add	123.21	
For 125 Mil Material, Add	188.49	
For 150 Mil Material, Add	253.78	
For 200 Mil Material, Add	353.09	
For 2 To 5 Manholes, Deduct	-49.09	
For 6 To 10 Manholes, Deduct	-81.45	
For >10 Manholes, Deduct	-162.89	
33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior (33 01 30 83-0001)		
33 01 30 83-0015 VLF 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	586.03	
For 2 To 5 Manholes, Deduct	-34.04	
For 6 To 10 Manholes, Deduct	-53.43	
For >10 Manholes, Deduct	-106.85	
33 01 30 83-0016 VLF 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	717.69	
For 2 To 5 Manholes, Deduct	-41.67	
For 6 To 10 Manholes, Deduct	-65.41	
For >10 Manholes, Deduct	-130.81	
33 01 30 83-0017 VLF 4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	845.85	
For 2 To 5 Manholes, Deduct	-48.61	
For 6 To 10 Manholes, Deduct	-76.07	
For >10 Manholes, Deduct	-152.14	
33 01 30 83-0018 VLF 5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	1,060.75	
For 2 To 5 Manholes, Deduct	-60.93	
For 6 To 10 Manholes, Deduct	-95.34	
For >10 Manholes, Deduct	-190.69	
33 01 30 83-0019 VLF 6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole.....	1,275.67	
For 2 To 5 Manholes, Deduct	-73.26	
For 6 To 10 Manholes, Deduct	-114.62	
For >10 Manholes, Deduct	-229.24	
33 01 30 86 Manhole Rim Adjustment (33 01 30)		
33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86)		
Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0001 for sawcutting pavement if required, 32 12 16 13-0022 for hand placed hot mix asphalt.		
33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86-0001)		
33 01 30 86-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	562.51	
For Lowering Manhole Rim, Add	95.56	
Note: Includes digging under manhole rim		
33 01 30 86-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	627.34	
For Lowering Manhole Rim, Add	101.60	
Note: Includes digging under manhole rim		
33 01 30 86-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	687.13	
For Lowering Manhole Rim, Add	108.02	
Note: Includes digging under manhole rim		
33 01 30 86-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	754.26	
For Lowering Manhole Rim, Add	114.82	
Note: Includes digging under manhole rim		
33 01 30 86-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	811.27	
For Lowering Manhole Rim, Add	122.38	
Note: Includes digging under manhole rim		
33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser (33 01 30 86-0001)		
33 01 30 86-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	661.13	
For Lowering Manhole Rim, Add	100.47	
Note: Includes digging under manhole rim		
33 01 30 86-0010 EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	717.81	
For Lowering Manhole Rim, Add	106.89	
Note: Includes digging under manhole rim		
33 01 30 86-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	788.04	
For Lowering Manhole Rim, Add	113.69	
Note: Includes digging under manhole rim		

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33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	857.45	
		<i>For Lowering Manhole Rim, Add</i>	121.24	
		<i>Note: Includes digging under manhole rim</i>		
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	923.78	
		<i>For Lowering Manhole Rim, Add</i>	128.80	
		<i>Note: Includes digging under manhole rim</i>		

33 01 30 86-0014 Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers
(33 01 30 86-0001)

33 01 30 86-0015	EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	768.41	
		<i>For Lowering Manhole Rim, Add</i>	125.02	
		<i>Note: Includes digging under manhole rim</i>		
33 01 30 86-0016	EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	811.07	
		<i>For Lowering Manhole Rim, Add</i>	131.06	
		<i>Note: Includes digging under manhole rim</i>		
33 01 30 86-0017	EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	858.31	
		<i>For Lowering Manhole Rim, Add</i>	138.62	
		<i>Note: Includes digging under manhole rim</i>		

33 01 30 86-0018 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers
(33 01 30 86-0001)

33 01 30 86-0019	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	928.75	
33 01 30 86-0020	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,006.99	
33 01 30 86-0021	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,086.38	
33 01 30 86-0022	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,152.54	
33 01 30 86-0023	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,248.91	
33 01 30 86-0024	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	1,337.12	
33 01 30 86-0025	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	1,425.65	
33 01 30 86-0026	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	1,516.49	

33 01 30 86-0027 >12" Rise, Solid Manhole Risers
(33 01 30 86)
33 01 30 86-0028 Precast Concrete Manhole Riser
(33 01 30 86-0027)

33 01 30 86-0029	VLF	Up To 26" Diameter Precast Concrete Manhole Riser.....	117.26	
33 01 30 86-0030	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser.....	140.19	
33 01 30 86-0031	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser	195.99	
33 01 30 86-0032	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser	400.21	
33 01 30 86-0033	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser	586.14	

33 01 30 89 By-Pass Piping and Pumping of Water and Sewer Utilities
(33 01 30)
33 01 30 89-0001 Set-Up By-Pass Pumping Unit
(33 01 30 89)

Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1071 for pump rental, 01 22 23 00-1104 for suction hose, 01 22 23 00-1123 for discharge hose.

33 01 30 89-0002	EA	Set-up By-Pass Pumping Unit	2,110.82	
33 01 30 89-0003	EA	Re-Set Up/Move By-Pass Pumping Unit.....	1,055.41	

33 01 30 89-0004 By-Pass Pumping
(33 01 30 89)

Note: Excludes pump rental. See CSI section 01 22 23 00-1071 for pump rental.

33 01 30 89-0005	DAY	Maintain And Operate By-Pass Pumping Unit	527.71	
33 01 30 89-0006	WK	Maintain And Operate By-Pass Pumping Unit	2,638.53	
33 01 30 89-0007	MO	Maintain And Operate By-Pass Pumping Unit	11,081.81	

33 01 30 89-0008 Temporary Bypass And Service Lines
(33 01 30 89)

Note: Laid on ground, includes fittings and connections. Remove after use.

33 01 30 89-0009 Temporary Water Service Lines
(33 01 30 89-0008)

Note: Laid on ground, includes fittings, connection to building water service, and chlorination prior to each use. Remove after use.

33 01 30 89-0010	LF	1/2" Temporary Service Hose With Fittings	3.23	
		<i>Note: Includes removal after use.</i>		
33 01 30 89-0011	LF	3/4" Temporary Service Hose With Fittings	4.10	
		<i>Note: Includes removal after use.</i>		
33 01 30 89-0012	LF	1" Temporary Service Hose With Fittings	4.75	
		<i>Note: Includes removal after use.</i>		
33 01 30 89-0013	LF	1-1/2" Temporary Service Hose With Fittings	5.67	
		<i>Note: Includes removal after use.</i>		
33 01 30 89-0014	LF	2" Temporary Service Hose With Fittings	6.95	
		<i>Note: Includes removal after use.</i>		
33 01 30 89-0015	EA	Temporary Service Valve Assembly At Fire Hydrant	358.32	
		<i>Note: Includes removal after use.</i>		

33 01 30 89-0016 Temporary Bypass Water Main Lines
(33 01 30 89-0008)

Note: Laid on ground, includes fittings, connections to mains and chlorination prior to each use. Remove after use.

33 01 30 89-0017	LF	2" Temporary Bypass Water Main Pipe With Fittings	7.41	
		<i>Note: Includes removal after use.</i>		
		<i>For >500 To 1,000, Deduct</i>	-0.50	
		<i>For >1,000 To 5,000, Deduct</i>	-0.99	
		<i>For >5,000, Deduct</i>	-1.66	

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33 01 30 89-0018	LF	4" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	12.03 -0.64 -1.28 -2.14	
33 01 30 89-0019	LF	6" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	17.15 -0.75 -1.49 -2.49	
33 01 30 89-0020	LF	8" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use. For >500 To 1,000, Deduct For >1,000 To 5,000, Deduct For >5,000, Deduct	21.66 -0.90 -1.79 -2.99	
33 01 30 89-0021		Piping Protection For Temporary Water Line (33 01 30 89-0008)		
33 01 30 89-0022	LF	Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.	3.44	
33 01 30 89-0023		Drill Meter Cover For Temporary Water Line (33 01 30 89-0008)		
33 01 30 89-0024	EA	Drill Meter Cover For Temporary Bypass Pipe	17.95	
33 01 30 89-0025		Temporary By-Pass Plug (33 01 30 89)		
33 01 30 89-0026	EA	8" To 16" Temporary By-Pass Plug	866.15	
33 01 30 89-0027	EA	12" To 24" Temporary By-Pass Plug	1,356.86	
33 01 30 89-0028	EA	15" To 30" Temporary By-Pass Plug	2,219.20	
33 01 30 89-0029	EA	20" To 40" Temporary By-Pass Plug	2,724.89	
33 01 30 89-0030	EA	24" To 28" Temporary By-Pass Plug	3,654.43	
33 01 40 Operation and Maintenance of Stormwater Utilities (33 01)				
33 01 40 00-0001		Solid Wall High-Density Polyethylene (HDPE) Culvert Slip-Lining System (33 01 40) Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 30 41-0024 for culvert cleaning, 33 01 40 00-0040 for flowable fill grout.		
33 01 40 00-0002	LF	6.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	37.70 -6.43	
33 01 40 00-0003	LF	8.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	57.30 -10.06	
33 01 40 00-0004	LF	10.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	52.77 -8.93	
33 01 40 00-0005	LF	12.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	70.20 -12.06	
33 01 40 00-0006	LF	14" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	79.76 -13.51	
33 01 40 00-0007	LF	16" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	97.16 -16.83	
33 01 40 00-0008	LF	18" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	122.18 -21.18	
33 01 40 00-0009	LF	20" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	150.71 -26.42	
33 01 40 00-0010	LF	22" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	174.16 -30.65	
33 01 40 00-0011	LF	24" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	199.71 -35.29	
33 01 40 00-0012	LF	26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	228.51 -40.59	
33 01 40 00-0013	LF	28" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	258.34 -46.09	
33 01 40 00-0014	LF	30" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	300.47 -54.05	
33 01 40 00-0015	LF	32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	344.71 -62.43	
33 01 40 00-0016	LF	34" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	381.66 -69.36	
33 01 40 00-0017	LF	36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	418.60 -76.28	
33 01 40 00-0018	LF	39.37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	480.27 -88.15	
33 01 40 00-0019	LF	42" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	541.93 -100.02	
33 01 40 00-0020	LF	48" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	702.91 -131.75	
33 01 40 00-0021	LF	54" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	861.79 -163.06	
33 01 40 00-0022	LF	57" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	956.39 -181.51	
33 01 40 00-0023	LF	60" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	1,050.08 -199.79	
33 01 40 00-0024	LF	63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5 For Profile Wall (Corrugated), Deduct	1,145.60 -218.43	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 40 Operation and Maintenance of Stormwater Utilities**
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33 01 40 00-0025	LF	16.5 x 23" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	201.50
		<i>For Profile Wall (Corrugated), Deduct</i>	-35.60
33 01 40 00-0026	LF	17" x 26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	224.94
		<i>For Profile Wall (Corrugated), Deduct</i>	-39.42
33 01 40 00-0027	LF	18" x 29" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	248.37
33 01 40 00-0028	LF	19" x 32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	287.24
		<i>For Profile Wall (Corrugated), Deduct</i>	-60.65
33 01 40 00-0029	LF	21" x 33.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	315.22
		<i>For Profile Wall (Corrugated), Deduct</i>	-55.62
33 01 40 00-0030	LF	22.5 x 36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	354.31
		<i>For Profile Wall (Corrugated), Deduct</i>	-62.82
33 01 40 00-0031	LF	26" x 37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	395.62
		<i>For Profile Wall (Corrugated), Deduct</i>	-70.47
33 01 40 00-0032	LF	30" x 41" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	475.30
		<i>For Profile Wall (Corrugated), Deduct</i>	-85.17
33 01 40 00-0033	LF	31" x 46" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	535.41
33 01 40 00-0034	LF	34" x 48.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	594.43
		<i>For Profile Wall (Corrugated), Deduct</i>	-107.76
33 01 40 00-0035	LF	39" x 55.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	741.06
		<i>For Profile Wall (Corrugated), Deduct</i>	-136.46
33 01 40 00-0036	LF	43" x 63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	894.17
		<i>For Profile Wall (Corrugated), Deduct</i>	-166.47
33 01 40 00-0037	LF	48" x 75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	1,152.99
		<i>For Profile Wall (Corrugated), Deduct</i>	-218.23
33 01 40 00-0038	LF	52" x 72.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	1,162.26
		<i>For Profile Wall (Corrugated), Deduct</i>	-218.23
33 01 40 00-0039	LF	58" x 67.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert.....	1,162.26
		<i>For Profile Wall (Corrugated), Deduct</i>	-218.23

33 01 40 00-0040 Pumped Grouting For Slip-Lining Systems (33 01 40)
 Note: Includes all materials, embedded piping, forms, labor and pumping equipment necessary to place and install grout.

33 01 40 00-0041	CY	Flowable Fill Grout, For Pipe Relines.....	640.57
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33 01 60 Operation and Maintenance of Hydronic and Steam Energy**Utilities** (33 01)

33 01 60 00-0001 Remove Steel Pipe Coatings (33 01 60)			
		Note: Excludes sand blasting. See CSI section 09 01 90 52-0016 for sand blasting.	
33 01 60 00-0002	SF	Removal Of Coating From Steel Pipe.....	3.44
		<i>For Work In Restricted Working Space, Add</i>	1.03
		<i>For PPE And Bagging Removed Coating (Includes Respirator And Disposable Suit), Add</i>	1.72

33 01 70 Operation and Maintenance of Electrical Utilities (33 01)**33 01 70 51 Electrical Utility Visual Inspection** (33 01 70)

33 01 70 51-0001		Video Camera Inspection Of Gas Piping and Electrical Duct (33 01 70 51)	
33 01 70 51-0002		Video Camera Set-up (33 01 70 51-0001)	
33 01 70 51-0003	EA	Up To 12" Diameter, Initial Set Up For Video Inspection, Gas Pipe Or Electrical Duct.....	288.01
33 01 70 51-0004	EA	>12" To 48" Diameter, Initial Set Up For Video Inspection, Gas Pipe.....	324.01
33 01 70 51-0005	EA	Up To 12" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe Or Electrical Duct.....	72.00
33 01 70 51-0006	EA	>12" To 48" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe.....	108.01

33 01 70 51-0007 Video Camera Inspection Of Gas Pipe Or Electrical Duct (33 01 70 51-0001)

33 01 70 51-0008	LF	Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct.....	1.11
		<i>For >1,000 To 5,000, Deduct</i>	-0.06
		<i>For >5,000, Deduct</i>	-0.11
33 01 70 51-0009	LF	>12" To 48" Diameter, Video Inspection, Gas Pipe.....	1.72
		<i>For >1,000 To 5,000, Deduct</i>	-0.09
		<i>For >5,000, Deduct</i>	-0.17

33 01 70 72 Cured-in-Place Conduit Lining (33 01 70)

33 01 70 72-0001 Lining Conduit With Cured In-Place (CIP) Liner (33 01 70 72)
 Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.

33 01 70 72-0002 2mm Thick Cured In-Place Conduit Lining (33 01 70 72-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0003	LF		1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	8.26	
			For Up To >10, Add	15.38	
			For >10 To 25, Add	12.19	
			For >25 To 50, Add	7.50	
			For >50 To 100, Add	3.75	
			For >500 To 1,000, Deduct	-0.53	
			For >1,000 To 2,000, Deduct	-0.84	
			For >2,000 To 5,000, Deduct	-1.58	
			For >5,000, Deduct	-2.55	
33 01 70 72-0004	LF		2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	10.13	
			For Up To >10, Add	17.69	
			For >10 To 25, Add	13.90	
			For >25 To 50, Add	8.59	
			For >50 To 100, Add	4.30	
			For >500 To 1,000, Deduct	-0.63	
			For >1,000 To 2,000, Deduct	-1.01	
			For >2,000 To 5,000, Deduct	-1.87	
			For >5,000, Deduct	-3.04	
33 01 70 72-0005	LF		2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	12.72	
			For Up To >10, Add	22.16	
			For >10 To 25, Add	17.40	
			For >25 To 50, Add	10.76	
			For >50 To 100, Add	5.38	
			For >500 To 1,000, Deduct	-0.79	
			For >1,000 To 2,000, Deduct	-1.27	
			For >2,000 To 5,000, Deduct	-2.35	
			For >5,000, Deduct	-3.81	
33 01 70 72-0006	LF		3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	15.03	
			For Up To >10, Add	25.77	
			For >10 To 25, Add	20.18	
			For >25 To 50, Add	12.50	
			For >50 To 100, Add	6.25	
			For >500 To 1,000, Deduct	-0.93	
			For >1,000 To 2,000, Deduct	-1.49	
			For >2,000 To 5,000, Deduct	-2.75	
			For >5,000, Deduct	-4.47	
33 01 70 72-0007	LF		3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	16.90	
			For Up To >10, Add	28.08	
			For >10 To 25, Add	21.89	
			For >25 To 50, Add	13.59	
			For >50 To 100, Add	6.79	
			For >500 To 1,000, Deduct	-1.04	
			For >1,000 To 2,000, Deduct	-1.66	
			For >2,000 To 5,000, Deduct	-3.05	
			For >5,000, Deduct	-4.95	
33 01 70 72-0008	LF		4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	19.07	
			For Up To >10, Add	31.29	
			For >10 To 25, Add	24.34	
			For >25 To 50, Add	15.12	
			For >50 To 100, Add	7.56	
			For >500 To 1,000, Deduct	-1.17	
			For >1,000 To 2,000, Deduct	-1.87	
			For >2,000 To 5,000, Deduct	-3.42	
			For >5,000, Deduct	-5.55	
33 01 70 72-0009	LF		5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	22.56	
			For Up To >10, Add	35.13	
			For >10 To 25, Add	27.11	
			For >25 To 50, Add	16.91	
			For >50 To 100, Add	8.46	
			For >500 To 1,000, Deduct	-1.37	
			For >1,000 To 2,000, Deduct	-2.17	
			For >2,000 To 5,000, Deduct	-3.95	
			For >5,000, Deduct	-6.42	
33 01 70 72-0010	LF		6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	26.05	
			For Up To >10, Add	39.00	
			For >10 To 25, Add	29.89	
			For >25 To 50, Add	18.72	
			For >50 To 100, Add	9.36	
			For >500 To 1,000, Deduct	-1.56	
			For >1,000 To 2,000, Deduct	-2.47	
			For >2,000 To 5,000, Deduct	-4.48	
			For >5,000, Deduct	-7.29	
33 01 70 72-0011			3mm Thick Cured In-Place Conduit Lining (33 01 70 72-0001)		
33 01 70 72-0012	LF		1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	10.25	
			For Up To >10, Add	17.05	
			For >10 To 25, Add	13.30	
			For >25 To 50, Add	8.25	
			For >50 To 100, Add	4.13	
			For >500 To 1,000, Deduct	-0.63	
			For >1,000 To 2,000, Deduct	-1.01	
			For >2,000 To 5,000, Deduct	-1.85	
			For >5,000, Deduct	-3.00	

33 Utilities**33 01 Operation and Maintenance of Utilities****33 01 70 Operation and Maintenance of Electrical Utilities**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 01 70 72-0013	LF	2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	13.36
		For Up To >10, Add	21.41
		For >10 To 25, Add	16.59
		For >25 To 50, Add	10.33
		For >50 To 100, Add	5.16
		For >500 To 1,000, Deduct	-0.82
		For >1,000 To 2,000, Deduct	-1.30
		For >2,000 To 5,000, Deduct	-2.37
		For >5,000, Deduct	-3.85
33 01 70 72-0014	LF	2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	16.47
		For Up To >10, Add	25.79
		For >10 To 25, Add	19.91
		For >25 To 50, Add	12.42
		For >50 To 100, Add	6.21
		For >500 To 1,000, Deduct	-1.00
		For >1,000 To 2,000, Deduct	-1.59
		For >2,000 To 5,000, Deduct	-2.89
		For >5,000, Deduct	-4.70
33 01 70 72-0015	LF	3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	19.28
		For Up To >10, Add	29.27
		For >10 To 25, Add	22.48
		For >25 To 50, Add	14.06
		For >50 To 100, Add	7.03
		For >500 To 1,000, Deduct	-1.16
		For >1,000 To 2,000, Deduct	-1.84
		For >2,000 To 5,000, Deduct	-3.33
		For >5,000, Deduct	-5.43
33 01 70 72-0016	LF	3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	21.98
		For Up To >10, Add	32.39
		For >10 To 25, Add	24.76
		For >25 To 50, Add	15.52
		For >50 To 100, Add	7.76
		For >500 To 1,000, Deduct	-1.31
		For >1,000 To 2,000, Deduct	-2.08
		For >2,000 To 5,000, Deduct	-3.75
		For >5,000, Deduct	-6.11
33 01 70 72-0017	LF	4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	24.80
		For Up To >10, Add	35.90
		For >10 To 25, Add	27.35
		For >25 To 50, Add	17.18
		For >50 To 100, Add	8.59
		For >500 To 1,000, Deduct	-1.48
		For >1,000 To 2,000, Deduct	-2.33
		For >2,000 To 5,000, Deduct	-4.20
		For >5,000, Deduct	-6.84
33 01 70 72-0018	LF	5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	30.31
		For Up To >10, Add	42.51
		For >10 To 25, Add	32.19
		For >25 To 50, Add	20.28
		For >50 To 100, Add	10.14
		For >500 To 1,000, Deduct	-1.79
		For >1,000 To 2,000, Deduct	-2.82
		For >2,000 To 5,000, Deduct	-5.06
		For >5,000, Deduct	-8.25
33 01 70 72-0019	LF	6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	35.41
		For Up To >10, Add	47.88
		For >10 To 25, Add	36.01
		For >25 To 50, Add	22.77
		For >50 To 100, Add	11.39
		For >500 To 1,000, Deduct	-2.07
		For >1,000 To 2,000, Deduct	-3.26
		For >2,000 To 5,000, Deduct	-5.82
		For >5,000, Deduct	-9.50

33 05 Common Work Results for Utilities ⁽³³⁾**33 05 05 Buried Piping Installation** ^(33 05)**33 05 05 43 Mandrel Testing** ^(33 05 05)**33 05 05 43-0001 Pipe Line Deflection Testing (Mandrel) On Existing Pipe** ^(33 05 05 43)

33 05 05 43-0002	EA	Initial Set Up And Final Equipment Removal For Deflection Testing (Mandrel)	716.64
33 05 05 43-0003	EA	Move And Reset Up At Different Access/Location For Deflection Testing (Mandrel)	358.32
33 05 05 43-0004	LF	Up To 4" Diameter Pipe Line Deflection Testing (Mandrel)	1.11
		For >100 To 200, Deduct	-0.06
		For >200 To 400, Deduct	-0.11
		For >400, Deduct	-0.18
33 05 05 43-0005	LF	6" Diameter Pipe Line Deflection Testing (Mandrel)	1.65
		For >100 To 200, Deduct	-0.08
		For >200 To 400, Deduct	-0.14
		For >400, Deduct	-0.23
33 05 05 43-0006	LF	8" Diameter Pipe Line Deflection Testing (Mandrel)	1.97
		For >100 To 200, Deduct	-0.09
		For >200 To 400, Deduct	-0.17
		For >400, Deduct	-0.26
33 05 05 43-0007	LF	10" Diameter Pipe Line Deflection Testing (Mandrel)	2.30
		For >100 To 200, Deduct	-0.10
		For >200 To 400, Deduct	-0.19
		For >400, Deduct	-0.30

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 05 43-0008	LF	12" Diameter Pipe Line Deflection Testing (Mandrel).....	2.57	
		For >100 To 200, Deduct	-0.11	
		For >200 To 400, Deduct	-0.21	
		For >400, Deduct	-0.33	
33 05 05 43-0009	LF	>12" To 15" Diameter Pipe Line Deflection Testing (Mandrel).....	2.70	
		For >100 To 200, Deduct	-0.12	
		For >200 To 400, Deduct	-0.23	
		For >400, Deduct	-0.36	
33 05 05 43-0010	LF	>15" To 24" Diameter Pipe Line Deflection Testing (Mandrel).....	2.87	
		For >100 To 200, Deduct	-0.13	
		For >200 To 400, Deduct	-0.25	
		For >400, Deduct	-0.39	
33 05 05 43-0011	LF	>24" To 30" Diameter Pipe Line Deflection Testing (Mandrel).....	3.17	
		For >100 To 200, Deduct	-0.16	
		For >200 To 400, Deduct	-0.29	
		For >400, Deduct	-0.46	
33 05 05 43-0012	LF	>30" To 42" Diameter Pipe Line Deflection Testing (Mandrel).....	3.77	
		For >100 To 200, Deduct	-0.20	
		For >200 To 400, Deduct	-0.38	
		For >400, Deduct	-0.59	
33 05 05 43-0013	LF	>42" To 48" Diameter Pipe Line Deflection Testing (Mandrel).....	5.06	
		For >100 To 200, Deduct	-0.30	
		For >200 To 400, Deduct	-0.56	
		For >400, Deduct	-0.88	
33 05 05 43-0014	LF	>48" To 60" Diameter Pipe Line Deflection Testing (Mandrel).....	6.46	
		For >100 To 200, Deduct	-0.40	
		For >200 To 400, Deduct	-0.75	
		For >400, Deduct	-1.18	

33 05 07 Trenchless Installation of Utility Piping (33 05)

33 05 07 13 Utility Directional Drilling (33 05 07)

33 05 07 13-0001 Horizontal Augering (33 05 07 13)

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	27.38	
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	33.04	
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	45.31	
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	58.53	
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	107.25	
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	156.46	
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	188.01	
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	224.59	
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	388.62	
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	480.97	
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	593.25	
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	677.79	
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	862.35	
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	929.20	
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	1,010.54	
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	1,059.44	
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge	3,532.98	
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge	4,989.91	
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge	7,825.13	
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

33 05 07 13-0021 Horizontal Directional Boring (33 05 07 13)

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	14.89	
		For Horizontal Boring Through Rock, Add	10.42	
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	22.33	
		For Horizontal Boring Through Rock, Add	15.63	
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	31.02	
		For Horizontal Boring Through Rock, Add	21.71	
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	38.46	
		For Horizontal Boring Through Rock, Add	26.92	
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	45.91	
		For Horizontal Boring Through Rock, Add	32.14	
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	53.35	
		For Horizontal Boring Through Rock, Add	37.35	
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	62.04	
		For Horizontal Boring Through Rock, Add	43.43	
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	75.71	
		For Horizontal Boring Through Rock, Add	53.00	
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	82.02	
		For Horizontal Boring Through Rock, Add	57.41	
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	88.33	
		For Horizontal Boring Through Rock, Add	61.83	
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	182.96	
		For Horizontal Boring Through Rock, Add	128.07	

33 Utilities**33 05 Common Work Results for Utilities****33 05 07 Trenchless Installation of Utility Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	284.15	
		<i>For Horizontal Boring Through Rock, Add</i>	198.91	
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	433.15	
		<i>For Horizontal Boring Through Rock, Add</i>	303.21	
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	693.05	
		<i>For Horizontal Boring Through Rock, Add</i>	485.14	
33 05 07 13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge	2,729.72	
		Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge	3,532.98	
		Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge	4,989.91	
		Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

33 05 07 23 Utility Boring and Jacking (33 05 07)**33 05 07 23-0001 Horizontal Jacking (33 05 07 23)**

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking	74.29	
		<i>For Horizontal Jacking Through Rock, Add</i>	33.10	
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking	88.97	
		<i>For Horizontal Jacking Through Rock, Add</i>	39.94	
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking	119.99	
		<i>For Horizontal Jacking Through Rock, Add</i>	54.78	
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking	155.09	
		<i>For Horizontal Jacking Through Rock, Add</i>	70.75	
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking	209.77	
		<i>For Horizontal Jacking Through Rock, Add</i>	96.99	
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking	307.74	
		<i>For Horizontal Jacking Through Rock, Add</i>	141.51	
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking	370.60	
		<i>For Horizontal Jacking Through Rock, Add</i>	170.04	
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking	442.43	
		<i>For Horizontal Jacking Through Rock, Add</i>	203.13	
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking	678.07	
		<i>For Horizontal Jacking Through Rock, Add</i>	352.61	
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking	1,179.21	
		<i>For Horizontal Jacking Through Rock, Add</i>	395.72	
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking	1,361.06	
		<i>For Horizontal Jacking Through Rock, Add</i>	488.64	
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking	1,534.83	
		<i>For Horizontal Jacking Through Rock, Add</i>	558.72	
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking	1,647.70	
		<i>For Horizontal Jacking Through Rock, Add</i>	603.35	
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking	1,788.15	
		<i>For Horizontal Jacking Through Rock, Add</i>	650.10	
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking	1,906.78	
		<i>For Horizontal Jacking Through Rock, Add</i>	707.52	
33 05 07 23-0017	EA	Up To 6" Horizontal Jacking Minimum Set-up Charge	2,729.72	
		Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0018	EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge	3,532.98	
		Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0019	EA	>20" To 36" Horizontal Jacking Minimum Set-up Charge	4,989.91	
		Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 23-0020	EA	>36" Horizontal Jacking Minimum Set-up Charge	7,825.13	
		Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

33 05 07 24 Casing Piping for Utility Jacking (33 05 07)**33 05 07 24-0001 Casing Pipe (33 05 07 24)**

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe (33 05 07 24-0001)

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine	24.31	
		Note: Includes pipe welding.		
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine	25.73	
		Note: Includes pipe welding.		
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine	27.84	
		Note: Includes pipe welding.		
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine	30.01	
		Note: Includes pipe welding.		
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine	38.24	
		Note: Includes pipe welding.		
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine	43.37	
		Note: Includes pipe welding.		
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine	48.50	
		Note: Includes pipe welding.		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24-0010		Polyethylene Pipe (33 05 07 24-0001) Note: Includes detectable tracer wire.		
33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.00	
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.59	
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.15	
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.64	
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.18	
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.74	
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.31	
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.28	
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.47	
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.69	
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	17.79	
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	24.16	
33 05 09		Piping Specials for Utilities (33 05)		
33 05 09 23		Adapters for Utility Piping (33 05 09) See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.		
33 05 09 33		Thrust Restraint for Utility Piping (33 05 09) See CSI section 33 14 13 13-0566 for mechanical restraints, 33 14 13 13-0601 for flanged restraints, 33 14 13 13-1176 for slip-on restraints, 33 14 13 13-1187 for slip-on restraint harnesses.		
33 05 16		Cast-Iron Utility Pipe (33 05) See CSI section 22 13 16 00-0019 for cast iron utility piping.		
33 05 17		Copper Utility Pipe and Tubing (33 05) See CSI section 33 14 13 39-0000 for copper utility piping.		
33 05 19		Ductile-Iron Utility Pipe (33 05) See CSI section 33 14 13 13-0000 for ductile iron utility piping.		
33 05 24		Steel Utility Pipe (33 05)		
33 05 24 23		Steel Pipe for Water Service (33 05 24) See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.		
33 05 27		Corrugated Metal Utility Pipe (33 05)		
33 05 27 13		Corrugated Metal Culvert Pipe (33 05 27) See CSI section 33 42 11 00-0400 for corrugated metal culvert pipe.		
33 05 27 23		Corrugated Metal Slotted Pipe (33 05 27) See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.		
33 05 27 33		Corrugated Metal Culvert Arch Pipe (33 05 27) See CSI section 33 42 11 00-0744 for corrugated metal culvert arch pipe.		
33 05 31		Thermoplastic Utility Pipe (33 05)		
33 05 31 11		Polyvinyl Chloride Gravity Sewer Pipe (33 05 31) See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.		
33 05 31 13		Polyvinyl Chloride Pressure Pipe (33 05 31) See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.		
33 05 31 16		Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) (33 05 31) See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.		
33 05 33		Polyethylene Utility Pipe (33 05)		
33 05 33 13		Corrugated-Wall, Smooth Interior HDPE Gravity Pipe (33 05 33) See CSI section 33 42 11 00-0274 for corrugated-wall smooth interior HDPE gravity pipe.		
33 05 33 23		Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) (33 05 33) See CSI section 33 14 13 23-0540 for AWWA C906 high-density polyethylene pipe.		
33 05 33 33		Corrugated, Perforated HDPE Drainage Pipe (33 05 33) See CSI section 33 42 11 00-0296 for corrugated perforated HDPE drainage pipe.		
33 05 33 36		Corrugated, Non-Perforated HDPE Drainage Pipe (33 05 33) See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.		
33 05 33 53		HDPE Gas Utility Pipe (33 05 33) See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.		
33 05 33 56		Medium-Density Polyethylene Gas Utility Pipe (33 05 33) See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.		

33 Utilities**33 05 Common Work Results for Utilities****33 05 33 Polyethylene Utility Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 05 33 63 HDPE Communication Duct (33 05 33)

33 05 33 63-0001	ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	(33 05 33 63)		
	Note: Excludes boring.			
33 05 33 63-0002	LF 1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....		3.87	
	For Up To 250, Add		0.13	
	For >250 To 500, Add		0.08	
33 05 33 63-0003	LF 1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....		4.34	
	For Up To 250, Add		0.15	
	For >250 To 500, Add		0.10	
33 05 33 63-0004	LF 1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....		4.71	
	For Up To 250, Add		0.18	
	For >250 To 500, Add		0.12	
33 05 33 63-0005	LF 2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....		5.17	
	For Up To 250, Add		0.21	
	For >250 To 500, Add		0.14	
33 05 33 63-0006	LF 3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....		6.99	
	For Up To 250, Add		0.44	
	For >250 To 500, Add		0.29	
33 05 33 63-0007	LF 4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....		8.88	
	For Up To 250, Add		0.67	
	For >250 To 500, Add		0.45	
33 05 33 63-0008	LF 1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....		3.96	
	For Up To 250, Add		0.14	
	For >250 To 500, Add		0.09	
33 05 33 63-0009	LF 1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....		4.50	
	For Up To 250, Add		0.18	
	For >250 To 500, Add		0.12	
33 05 33 63-0010	LF 1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....		4.84	
	For Up To 250, Add		0.20	
	For >250 To 500, Add		0.13	
33 05 33 63-0011	LF 2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....		5.51	
	For Up To 250, Add		0.26	
	For >250 To 500, Add		0.17	
33 05 33 63-0012	LF 3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....		7.74	
	For Up To 250, Add		0.55	
	For >250 To 500, Add		0.37	
33 05 33 63-0013	LF 4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine.....		9.82	
	For Up To 250, Add		0.81	
	For >250 To 500, Add		0.54	

33 05 39 Concrete Pipe (33 05)**33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)** (33 05)

See CSI section 33 42 11 00-0094 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts (33 05 39)

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 41 Vitrified Clay Utility Pipe (33 05)

See CSI section 33 42 11 00-1489 for vitrified clay piping.

33 05 61 Concrete Manholes (33 05)**33 05 61 00-0001 Manholes** (33 05 61)**33 05 61 00-0002 Precast Concrete Manholes** (33 05 61 00-0001)
 Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.
 See CSI section 33 05 84 00-0002 for top slabs.
33 05 61 00-0003 3' Diameter, Precast Concrete Manholes (33 05 61 00-0002)

33 05 61 00-0004	EA 4' Deep, 3' Diameter, Precast Concrete Manhole.....	1,770.05	314.76
	For Bitumastic Coating, Add	82.02	
	For Epoxy Coating, Add	156.73	
33 05 61 00-0005	EA 6' Deep, 3' Diameter, Precast Concrete Manhole.....	2,411.67	452.10
	For Bitumastic Coating, Add	123.03	
	For Epoxy Coating, Add	235.10	
33 05 61 00-0006	EA 8' Deep, 3' Diameter, Precast Concrete Manhole.....	3,247.84	686.73
	For Bitumastic Coating, Add	164.04	
	For Epoxy Coating, Add	313.46	
33 05 61 00-0007	VLF Riser For 3' Diameter, Precast Concrete Manhole.....	343.70	80.12
	Note: For depths greater than 8'.		
	For Bitumastic Coating, Add	20.50	
	For Epoxy Coating, Add	39.18	
33 05 61 00-0008	VLF Drop Collar For 3' Diameter, Precast Concrete Manhole.....	370.61	80.12

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole	594.57	80.12
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole	474.30	80.12
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole	679.14	80.12
33 05 61 00-0012 4' Diameter, Precast Concrete Manholes (33 05 61 00-0002)				
33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole	2,733.27	360.53
		For Bitumastic Coating, Add	82.02	
		For Epoxy Coating, Add	156.73	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole	3,645.20	492.16
		For Bitumastic Coating, Add	123.03	
		For Epoxy Coating, Add	235.10	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole	4,786.98	743.96
		For Bitumastic Coating, Add	164.04	
		For Epoxy Coating, Add	313.46	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole	508.89	94.42
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	20.50	
		For Epoxy Coating, Add	39.18	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole	556.26	94.42
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole	950.43	94.42
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole	738.76	94.42
33 05 61 00-0020	EA	Precast Channel For 4' Diameter, Precast Concrete Manhole	1,099.31	94.42
33 05 61 00-0021 5' Diameter, Precast Concrete Manholes (33 05 61 00-0002)				
33 05 61 00-0022	EA	4' Deep, 5' Diameter, Precast Concrete Manhole	5,211.56	400.59
		For Bitumastic Coating, Add	105.68	
		For Epoxy Coating, Add	252.67	
33 05 61 00-0023	EA	6' Deep, 5' Diameter, Precast Concrete Manhole	6,936.93	549.39
		For Bitumastic Coating, Add	158.51	
		For Epoxy Coating, Add	379.00	
33 05 61 00-0024	EA	8' Deep, 5' Diameter, Precast Concrete Manhole	8,917.06	824.08
		For Bitumastic Coating, Add	211.35	
		For Epoxy Coating, Add	505.33	
33 05 61 00-0025	VLF	Riser For 5' Diameter, Precast Concrete Manhole	921.72	103.01
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	26.42	
		For Epoxy Coating, Add	63.17	
33 05 61 00-0026 6' Diameter, Precast Concrete Manholes (33 05 61 00-0002)				
33 05 61 00-0027	EA	4' Deep, 6' Diameter, Precast Concrete Manhole	7,018.61	446.38
		For Bitumastic Coating, Add	120.98	
		For Epoxy Coating, Add	295.81	
33 05 61 00-0028	EA	6' Deep, 6' Diameter, Precast Concrete Manhole	9,133.49	606.62
		For Bitumastic Coating, Add	181.48	
		For Epoxy Coating, Add	443.71	
33 05 61 00-0029	EA	8' Deep, 6' Diameter, Precast Concrete Manhole	11,533.60	915.65
		For Bitumastic Coating, Add	241.97	
		For Epoxy Coating, Add	591.61	
33 05 61 00-0030	VLF	Riser For 6' Diameter, Precast Concrete Manhole	1,122.56	114.46
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	30.25	
		For Epoxy Coating, Add	73.95	
33 05 61 00-0031 7' Diameter, Precast Concrete Manholes (33 05 61 00-0002)				
33 05 61 00-0032	EA	4' Deep, 7' Diameter, Precast Concrete Manhole	11,124.07	492.16
		For Bitumastic Coating, Add	257.28	
		For Epoxy Coating, Add	516.90	
33 05 61 00-0033	EA	6' Deep, 7' Diameter, Precast Concrete Manhole	14,375.32	671.29
		For Bitumastic Coating, Add	385.91	
		For Epoxy Coating, Add	775.35	
33 05 61 00-0034	EA	8' Deep, 7' Diameter, Precast Concrete Manhole	17,940.17	1,007.21
		For Bitumastic Coating, Add	514.55	
		For Epoxy Coating, Add	1,033.80	
33 05 61 00-0035	VLF	Riser For 7' Diameter, Precast Concrete Manhole	1,698.30	125.90
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	64.32	
		For Epoxy Coating, Add	129.22	
33 05 61 00-0036 8' Diameter, Precast Concrete Manholes (33 05 61 00-0002)				
33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole	16,139.57	566.56
		For Bitumastic Coating, Add	304.16	
		For Epoxy Coating, Add	630.05	
33 05 61 00-0038	EA	6' Deep, 8' Diameter, Precast Concrete Manhole	20,916.62	772.58
		For Bitumastic Coating, Add	456.23	
		For Epoxy Coating, Add	945.08	
33 05 61 00-0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole	26,054.22	1,158.87
		For Bitumastic Coating, Add	608.31	
		For Epoxy Coating, Add	1,260.11	
33 05 61 00-0040	VLF	Riser For 8' Diameter, Precast Concrete Manhole	2,468.65	143.07
		Note: For depths greater than 8'.		
		For Bitumastic Coating, Add	76.04	
		For Epoxy Coating, Add	157.51	

33 Utilities**33 05 Common Work Results for Utilities****33 05 61 Concrete Manholes**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 05 63 Concrete Vaults and Chambers (33 05)

33 05 63 00-0001

Underground Utility Vaults And Structures (33 05 63)

See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

33 05 63 00-0002

Precast Concrete Underground Utility Vault (33 05 63 00-0001)

Note: Sizes given are for inside dimensions.

33 05 63 00-0003

6' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)

33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault.....	3,730.94
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault.....	4,863.30
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault.....	8,023.28
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault.....	9,264.21
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault.....	6,215.05
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault.....	7,565.63
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault.....	8,917.39
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault.....	12,883.89
		Note: 8" thick walls and top.	
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault.....	12,883.89
		Note: 8" thick walls and top.	
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault.....	16,222.87
		Note: 8" thick walls and top.	
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault.....	9,136.79
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault.....	10,706.80
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault.....	15,304.44
		Note: 8" thick walls and top.	
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault.....	17,225.07
		Note: 8" thick walls and top.	

33 05 63 00-0018

7' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)

33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault.....	4,149.13
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault.....	5,387.50
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault.....	6,559.12
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault.....	8,727.66
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault.....	10,063.23
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault.....	6,847.47
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault.....	8,223.83
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault.....	9,767.44
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault.....	14,010.84
		Note: 8" thick walls and top.	
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault.....	17,600.38
		Note: 8" thick walls and top.	
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault.....	9,888.47
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault.....	11,552.02
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault.....	16,557.35
		Note: 8" thick walls and top.	
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault.....	18,601.44
		Note: 8" thick walls and top.	
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault.....	16,807.06
		Note: 8" thick walls and top.	

33 05 63 00-0034

8' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)

33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault.....	4,482.62
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault.....	5,803.20
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault.....	9,432.00
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault.....	10,861.12
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault.....	7,342.01
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault.....	8,880.84
		Note: 6" thick walls and 8" thick top.	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault.....	10,419.67
		Note: 6" thick walls and 8" thick top.	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,137.78	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,977.96	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,639.02	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	12,397.22	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,809.01	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	19,979.00	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,059.57	
33 05 63 00-0049 10' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)				
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,905.52	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,537.84	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	19,311.18	
33 05 63 00-0053 12' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)				
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,469.00	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,196.02	
33 05 63 00-0056 Meter Pit (33 05 63 00-0001)				
33 05 63 00-0057 Precast Concrete Meter Pit (33 05 63 00-0056)				
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit.....	3,795.24	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit.....	5,160.93	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit.....	6,500.92	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit.....	8,066.83	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit.....	11,191.59	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit.....	5,768.79	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit.....	8,066.83	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit.....	10,414.01	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit.....	12,991.01	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit.....	18,564.58	
33 05 63 00-0068 Handhole Or Pull Box Enclosures (33 05 63 00-0001)				
33 05 63 00-0069 Polymer Concrete Handhole Enclosures (33 05 63 00-0068)				
33 05 63 00-0070 Polymer Concrete Handhole Enclosures (33 05 63 00-0069) Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.				
33 05 63 00-0071 Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)				
33 05 63 00-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)				
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	397.06	24.94
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	331.98	55.39
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	507.35	83.09
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	594.05	83.09
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	565.40	83.09
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	690.45	83.09
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	671.58	83.09
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	924.79	83.09
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,315.83	110.78
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,860.76	110.78
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,178.02	152.32
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,348.67	152.32
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,236.42	152.32
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,256.85	166.17
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,815.83	166.17

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT	COST	UNIT	COST
33 05 63 00-0088	EA 39" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		2,272.95		166.17
33 05 63 00-0089	EA 39" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		3,354.12		166.17
33 05 63 00-0090	EA 30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		1,815.90		258.72
33 05 63 00-0091	EA 30" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		2,657.20		258.72
33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)					
33 05 63 00-0093	EA 12" x 12", 24" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		510.33		24.94
33 05 63 00-0094	EA 13" x 24", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		642.25		83.09
33 05 63 00-0095	EA 17" x 30", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		781.82		83.09
33 05 63 00-0096	EA 13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		719.35		83.09
33 05 63 00-0097	EA 13" x 24", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		826.22		83.09
33 05 63 00-0098	EA 17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		854.25		83.09
33 05 63 00-0099	EA 17" x 30", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		1,109.03		83.09
33 05 63 00-0100	EA 24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		1,464.89		152.32
33 05 63 00-0101	EA 24" x 36", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		1,635.54		152.32
33 05 63 00-0102	EA 24" x 36", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		2,523.32		152.32
33 05 63 00-0103	EA 30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		2,151.13		258.72
33 05 63 00-0104	EA 30" x 48", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....		2,998.83		258.72
33 05 63 00-0105 Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)					
33 05 63 00-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)					
33 05 63 00-0107	EA 5" x 16", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		656.09		24.94
33 05 63 00-0108	EA 10" x 12", 15" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		553.57		24.94
33 05 63 00-0109	EA 13" x 24", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		431.69		83.09
33 05 63 00-0110	EA 17" x 30", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		492.18		83.09
33 05 63 00-0111	EA 6" x 8", 6" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		148.61		24.94
33 05 63 00-0112	EA 12" x 12", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		234.34		24.94
33 05 63 00-0113	EA 8" x 18", 7" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		383.14		24.94
33 05 63 00-0114	EA 8" x 18", 8" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		401.15		24.94
33 05 63 00-0115	EA 11" x 18", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		325.70		55.39
33 05 63 00-0116	EA 11" x 18", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		353.32		55.39
33 05 63 00-0117	EA 8" x 8", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		230.66		24.94
33 05 63 00-0118	EA 8" x 8", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		264.40		24.94
33 05 63 00-0119	EA 11" x 18", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		350.45		55.39
33 05 63 00-0120	EA 11" x 18", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		396.89		55.39
33 05 63 00-0121	EA 11" x 20", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		366.83		55.39
33 05 63 00-0122	EA 13" x 24", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		434.50		83.09
33 05 63 00-0123	EA 13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		480.05		83.09
33 05 63 00-0124	EA 17" x 30", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		513.93		83.09
33 05 63 00-0125	EA 17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		564.94		83.09
33 05 63 00-0126	EA 17" x 30", 22" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		666.68		83.09
33 05 63 00-0127	EA 17" x 30", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		728.39		83.09
33 05 63 00-0128	EA 17" x 30", 28" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		795.92		83.09
33 05 63 00-0129	EA 17" x 30", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		838.38		83.09
33 05 63 00-0130	EA 24" x 24", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		995.73		110.78
33 05 63 00-0131	EA 24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		993.16		152.32
33 05 63 00-0132	EA 24" x 36", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....		1,288.91		152.32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0133	EA		24" x 36", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,562.00	152.32
33 05 63 00-0134	EA		24" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,734.46	152.32
33 05 63 00-0135	EA		24" x 36", 42" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,906.01	152.32
33 05 63 00-0136	EA		36" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,144.12	258.72
33 05 63 00-0137	EA		30" x 48", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,539.53	258.72
33 05 63 00-0138	EA		30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,758.57	258.72
33 05 63 00-0139	EA		30" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,177.42	258.72
33 05 63 00-0140	EA		30" x 60", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,173.12	258.72
33 05 63 00-0141	EA		30" x 60", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,329.47	258.72
33 05 63 00-0142	EA		30" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,630.15	258.72
33 05 63 00-0143	EA		36" x 60", 19" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,407.23	277.20
33 05 63 00-0144	EA		36" x 60", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,619.52	277.20
33 05 63 00-0145	EA		36" x 60", 31" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,890.55	277.20
33 05 63 00-0146	EA		36" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,999.00	277.20
33 05 63 00-0147	EA		48" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,036.70	277.20
33 05 63 00-0148	EA		48" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,449.67	277.20
33 05 63 00-0149	EA		36" x 72", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,647.66	277.20
33 05 63 00-0150	EA		36" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,517.83	277.20
33 05 63 00-0151	EA		48" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,964.59	295.68
33 05 63 00-0152	EA		48" x 72", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,911.37	295.68
33 05 63 00-0153	EA		48" x 96", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,322.36	295.68
33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)					
33 05 63 00-0155	EA		13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	588.74	83.09
33 05 63 00-0156	EA		17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	678.48	83.09
33 05 63 00-0157	EA		6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	256.17	24.94
33 05 63 00-0158	EA		12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	373.34	24.94
33 05 63 00-0159	EA		8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	502.86	24.94
33 05 63 00-0160	EA		8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	520.89	24.94
33 05 63 00-0161	EA		10" x 15", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	443.63	55.39
33 05 63 00-0162	EA		11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	462.85	55.39
33 05 63 00-0163	EA		11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	488.55	55.39
33 05 63 00-0164	EA		8" x 8", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	347.94	24.94
33 05 63 00-0165	EA		8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	412.44	24.94
33 05 63 00-0166	EA		11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	487.93	55.39
33 05 63 00-0167	EA		11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	534.37	55.39
33 05 63 00-0168	EA		11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	505.77	55.39
33 05 63 00-0169	EA		13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	587.88	83.09
33 05 63 00-0170	EA		13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	633.99	83.09
33 05 63 00-0171	EA		17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	696.95	83.09
33 05 63 00-0172	EA		17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	747.64	83.09
33 05 63 00-0173	EA		17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	849.08	83.09
33 05 63 00-0174	EA		17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	911.06	83.09
33 05 63 00-0175	EA		17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	978.30	83.09

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
33 05 63 00-0176	EA 17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,021.06		83.09	
33 05 63 00-0177	EA 24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,248.07		110.78	
33 05 63 00-0178	EA 24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,280.05		152.32	
33 05 63 00-0179	EA 24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,575.46		152.32	
33 05 63 00-0180	EA 24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,848.25		152.32	
33 05 63 00-0181	EA 24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,020.44		152.32	
33 05 63 00-0182	EA 24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,192.55		152.32	
33 05 63 00-0183	EA 30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,871.60		258.72	
33 05 63 00-0184	EA 30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,090.96		258.72	
33 05 63 00-0185	EA 30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,509.49		258.72	
33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0186)					
33 05 63 00-0187	EA 13" x 24", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	538.59		83.09	
33 05 63 00-0188	EA 17" x 30", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	630.82		83.09	
33 05 63 00-0189	EA 6" x 8", 6" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	187.61		24.94	
33 05 63 00-0190	EA 12" x 12", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	313.14		24.94	
33 05 63 00-0191	EA 8" x 18", 7" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	452.76		24.94	
33 05 63 00-0192	EA 8" x 18", 8" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	471.12		24.94	
33 05 63 00-0193	EA 11" x 18", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	410.65		55.39	
33 05 63 00-0194	EA 11" x 18", 18" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	464.10		55.39	
33 05 63 00-0195	EA 8" x 8", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	273.17		24.94	
33 05 63 00-0196	EA 11" x 18", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	436.91		55.39	
33 05 63 00-0197	EA 11" x 18", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	503.50		55.39	
33 05 63 00-0198	EA 11" x 20", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	454.22		55.39	
33 05 63 00-0199	EA 13" x 24", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	580.81		83.09	
33 05 63 00-0200	EA 13" x 24", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	671.85		83.09	
33 05 63 00-0201	EA 17" x 30", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	702.12		83.09	
33 05 63 00-0202	EA 17" x 30", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	774.21		83.09	
33 05 63 00-0203	EA 17" x 30", 22" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	840.52		83.09	
33 05 63 00-0204	EA 17" x 30", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	903.13		83.09	
33 05 63 00-0205	EA 17" x 30", 28" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,015.23		83.09	
33 05 63 00-0206	EA 17" x 30", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,030.86		83.09	
33 05 63 00-0207	EA 24" x 24", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,267.63		110.78	
33 05 63 00-0208	EA 24" x 36", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,305.40		152.32	
33 05 63 00-0209	EA 24" x 36", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,631.64		152.32	
33 05 63 00-0210	EA 24" x 36", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,954.29		152.32	
33 05 63 00-0211	EA 24" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,168.59		152.32	
33 05 63 00-0212	EA 24" x 36", 42" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,382.89		152.32	
33 05 63 00-0213	EA 36" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,543.39		258.72	
33 05 63 00-0214	EA 30" x 48", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,938.83		258.72	
33 05 63 00-0215	EA 30" x 48", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,174.96		258.72	
33 05 63 00-0216	EA 30" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,593.52		258.72	
33 05 63 00-0217	EA 30" x 60", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,778.14		258.72	
33 05 63 00-0218	EA 30" x 60", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,835.95		258.72	
33 05 63 00-0219	EA 30" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,396.81		258.72	
33 05 63 00-0220	EA 36" x 60", 19" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,141.17		277.20	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,250.86	277.20	
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,562.02	277.20	
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,797.53	277.20	
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,482.74	277.20	
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,324.99	277.20	
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,744.97	277.20	
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,122.88	277.20	
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,004.08	295.68	
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,951.24	295.68	
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	8,053.15	295.68	
33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)					
33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	695.62	83.09	
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	817.48	83.09	
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	294.30	24.94	
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	451.87	24.94	
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	572.23	24.94	
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	590.83	24.94	
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	548.13	55.39	
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	601.25	55.39	
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	425.63	24.94	
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	573.77	55.39	
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	640.36	55.39	
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	553.92	55.39	
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	734.81	83.09	
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	825.85	83.09	
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	884.80	83.09	
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	956.91	83.09	
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,023.20	83.09	
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,085.83	83.09	
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,197.96	83.09	
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,213.53	83.09	
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,519.65	110.78	
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,592.27	152.32	
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,918.22	152.32	
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,240.51	152.32	
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,454.97	152.32	
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,669.44	152.32	
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,271.20	258.72	
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,507.65	258.72	
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,925.91	258.72	
33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)					
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	576.88	83.09	
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	389.85	55.39	
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	441.19	55.39	

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	510.24	83.09
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	406.67	55.39
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	455.84	55.39

33 05 63 00-0268**Polymer Concrete Handhole Enclosure Extensions (33 05 63 00-0069)**

Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.

33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	414.66	83.09
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	468.16	83.09
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	532.63	110.78
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	585.16	110.78
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	686.81	152.32
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,227.91	258.72
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,170.48	258.72
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,183.01	258.72
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,613.71	277.20
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	2,597.30	295.68
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	3,431.60	295.68
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	695.41	83.09
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	728.09	83.09
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	772.11	110.78
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	825.21	110.78
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	949.48	152.32
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	1,541.67	258.72
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	535.62	83.09
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	600.09	83.09
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	779.32	152.32
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	1,552.22	277.20

33 05 63 00-0290**Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0069)****33 05 63 00-0291****Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)**

33 05 63 00-0292	EA	5" x 16", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	153.43	11.09
33 05 63 00-0293	EA	10" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	155.49	11.09
33 05 63 00-0294	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	143.71	11.09
33 05 63 00-0295	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	155.89	11.09
33 05 63 00-0296	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	157.47	11.08
33 05 63 00-0297	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	181.46	11.08
33 05 63 00-0298	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	211.13	11.08
33 05 63 00-0299	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,406.15	33.26
33 05 63 00-0300	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,229.19	33.26
33 05 63 00-0301	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,845.56	33.26
33 05 63 00-0302	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,866.57	33.26
33 05 63 00-0303	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,115.97	33.26
33 05 63 00-0304	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,306.47	33.26
33 05 63 00-0305	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,712.93	33.26
33 05 63 00-0306	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	130.63	11.08
33 05 63 00-0307	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	189.53	11.08
33 05 63 00-0308	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	192.26	11.08
33 05 63 00-0309	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	243.30	11.08
33 05 63 00-0310	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	182.21	11.08
33 05 63 00-0311	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	288.82	11.08
33 05 63 00-0312	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	225.59	11.08
33 05 63 00-0313	EA	27" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	468.71	11.08
33 05 63 00-0314	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	407.29	16.62
33 05 63 00-0315	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	512.52	16.62
33 05 63 00-0316	EA	39" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	661.56	19.39
33 05 63 00-0317	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	931.19	25.87
33 05 63 00-0318	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	966.68	49.28
33 05 63 00-0319	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	246.36	11.08
33 05 63 00-0320	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	353.60	11.08
33 05 63 00-0321	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	403.10	11.08
33 05 63 00-0322	EA	27" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	673.88	11.08
33 05 63 00-0323	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	551.94	16.62
33 05 63 00-0324	EA	39" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	937.09	19.39

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0325	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,229.65	25.87
33 05 63 00-0326	EA	30" x 59", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,659.85	33.26
33 05 63 00-0327	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,474.45	33.26
33 05 63 00-0328	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,064.03	33.26
33 05 63 00-0329	EA	48" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,691.06	33.26
33 05 63 00-0330	EA	36" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,576.68	33.26
33 05 63 00-0331	EA	48" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,917.13	33.26
33 05 63 00-0332	EA	48" x 96", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	6,056.62	33.26
33 05 63 00-0333	EA	11" x 18", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	325.81	11.08
33 05 63 00-0334	EA	11" x 20", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	356.79	11.08
33 05 63 00-0335	EA	13" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	471.52	11.08
33 05 63 00-0336	EA	17" x 30", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	538.11	11.08
33 05 63 00-0337	EA	27" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	934.08	11.08
33 05 63 00-0338	EA	24" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	674.56	16.62
33 05 63 00-0339	EA	24" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	925.25	16.62
33 05 63 00-0340	EA	39" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,437.69	19.39
33 05 63 00-0341	EA	36" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,645.12	25.87
33 05 63 00-0342	EA	30" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,710.56	49.28
33 05 63 00-0343	EA	30" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,979.06	33.26
33 05 63 00-0344	EA	36" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,767.34	33.26
33 05 63 00-0345	EA	48" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,876.11	33.26
33 05 63 00-0346	EA	36" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,457.66	33.26
33 05 63 00-0347	EA	48" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,737.44	33.26
33 05 63 00-0348	EA	48" x 96", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	8,861.92	33.26
33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)				
33 05 63 00-0350	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	177.02	11.09
33 05 63 00-0351	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	187.39	11.09
33 05 63 00-0352	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	190.77	11.08
33 05 63 00-0353	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	192.04	11.08
33 05 63 00-0354	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	222.45	11.08
33 05 63 00-0355	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	140.19	11.08
33 05 63 00-0356	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	199.33	11.08
33 05 63 00-0357	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	201.22	11.08
33 05 63 00-0358	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	253.40	11.08
33 05 63 00-0359	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	193.21	11.08
33 05 63 00-0360	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	237.21	11.08
33 05 63 00-0361	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	299.52	11.08
33 05 63 00-0362	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	414.47	16.62
33 05 63 00-0363	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	523.54	16.62
33 05 63 00-0364	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	978.00	49.28
33 05 63 00-0365	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	115.87	11.09
33 05 63 00-0366	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	184.14	11.09
33 05 63 00-0367	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	205.42	11.09
33 05 63 00-0368	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	195.97	11.09
33 05 63 00-0369	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	160.52	11.08
33 05 63 00-0370	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	256.14	11.08
33 05 63 00-0371	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	278.24	11.08
33 05 63 00-0372	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	363.99	11.08
33 05 63 00-0373	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	414.39	11.08
33 05 63 00-0374	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	562.04	16.62
33 05 63 00-0375	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	703.75	16.62
33 05 63 00-0376	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,291.11	49.28
33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)				
33 05 63 00-0378	EA	6" x 9", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	92.39	11.09
33 05 63 00-0379	EA	7" x 13", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	110.75	11.09
33 05 63 00-0380	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	135.48	11.09
33 05 63 00-0381	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	146.47	11.09
33 05 63 00-0382	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	146.17	11.08
33 05 63 00-0383	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	174.33	11.08
33 05 63 00-0384	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	202.01	11.08
33 05 63 00-0385	EA	24" x 36", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	494.48	16.62
33 05 63 00-0386	EA	30" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	925.47	49.28
33 05 63 00-0387	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,390.69	33.26
33 05 63 00-0388	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,211.73	33.26
33 05 63 00-0389	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,816.83	33.26
33 05 63 00-0390	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,752.84	33.26
33 05 63 00-0391	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,099.29	33.26
33 05 63 00-0392	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,244.83	33.26
33 05 63 00-0393	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,594.49	33.26
33 05 63 00-0394	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	125.40	11.08
33 05 63 00-0395	EA	10" x 16", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	122.34	11.08
33 05 63 00-0396	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	182.92	11.08
33 05 63 00-0397	EA	11" x 21", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	201.47	11.08
33 05 63 00-0398	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	228.65	11.08
33 05 63 00-0399	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	172.74	11.08
33 05 63 00-0400	EA	18" x 19", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	193.21	11.08
33 05 63 00-0401	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	275.99	11.08
33 05 63 00-0402	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	398.98	16.62

33 Utilities**33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 05 63 00-0403	EA	20" x 42", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	500.20	16.62
33 05 63 00-0404	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	494.18	16.62
33 05 63 00-0405	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	893.61	25.87
33 05 63 00-0406	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	925.47	29.57

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0408	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,448.34	33.26
33 05 63 00-0409	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,101.43	33.26
33 05 63 00-0410	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,214.72	49.28
33 05 63 00-0411	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,613.40	49.28
33 05 63 00-0412	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,722.57	33.26
33 05 63 00-0413	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,351.12	33.26

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)

33 05 63 00-0415	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	562.23	16.62
33 05 63 00-0416	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,048.82	25.87
33 05 63 00-0417	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,095.93	49.28
33 05 63 00-0418	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	87.28	11.09
33 05 63 00-0419	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	147.45	11.09
33 05 63 00-0420	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	162.66	11.09
33 05 63 00-0421	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	172.74	11.09
33 05 63 00-0422	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	151.05	11.08
33 05 63 00-0423	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	269.27	11.08
33 05 63 00-0424	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	755.52	16.62
33 05 63 00-0425	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,397.41	25.87
33 05 63 00-0426	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,463.74	49.28

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover	1,094.90	267.66
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			18.00	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover	1,870.17	401.49
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			114.64	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover	2,237.40	535.32
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			202.62	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover	2,336.96	535.32
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			257.03	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover	2,723.22	669.15
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			310.35	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover	2,888.28	669.15
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			338.82	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover	3,318.27	802.98
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			396.62	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover	3,801.17	936.81
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			547.75	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover	3,809.22	802.98
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			585.94	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover	3,851.45	802.98
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			415.74	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover	824.50	267.66
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			15.00	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover	980.35	301.11
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			15.00	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover	1,225.09	334.58
Note: 8000 To 12000 pound traffic rated top.				
For 15,000 to 22,500 Pound Traffic Rated Top, Add			15.00	

33 05 81 Metallic Castings for Utility Structures (33 05)**33 05 81 00-0001 Manhole Accessories** (33 05 81)**33 05 81 00-0002 Steps For Cast-In-Place Manholes** (33 05 81 00-0001)

See CSI section 33 01 30 81-0041 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	91.24	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes	71.66	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes	99.29	

33 05 81 00-0006 Manhole Covers And Frames (33 05 81)

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0007 Regular Manhole Covers And Frames (33 05 81 00-0006)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 81 00-0008	EA	18" Square, Gray Iron, Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	3,864.24 2,496.66	98.44
33 05 81 00-0009	EA	18" Diameter, Gray Iron, Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	2,028.84 1,211.88	98.44
33 05 81 00-0010	EA	24" Diameter, Gray Iron, Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	2,345.05 1,401.17	114.46
33 05 81 00-0011	EA	24" Square, Gray Iron, Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	3,859.45 2,434.55	127.05
33 05 81 00-0012	EA	26" Diameter, Gray Iron, Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	3,172.78 1,931.37	137.34
33 05 81 00-0013	EA	30" Diameter, Gray Iron, Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	3,312.68 2,018.44	143.07
33 05 81 00-0014 Watertight Type Manhole Covers And Frames (33 05 81 00-0006)				
33 05 81 00-0015	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	4,261.95 2,756.94	81.27
33 05 81 00-0016	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	4,301.49 2,765.97	81.27
33 05 81 00-0017	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	4,358.97 2,784.22	95.00
33 05 81 00-0018	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	5,236.97 3,376.30	106.44
33 05 81 00-0019	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	6,123.17 3,985.79	108.73
33 05 81 00-0020	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	6,463.92 4,220.38	111.02
33 05 81 00-0021	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame <i>For Ductile Iron Castings, Add</i>	6,768.35 4,429.38	114.46
33 05 81 00-0022 Aluminum Manhole Covers And Frames (33 05 81 00-0006)				
33 05 81 00-0023	EA	12" Square Aluminum Manhole Cover With Frame	1,209.87	32.08
33 05 81 00-0024	EA	18" Square Aluminum Manhole Cover With Frame	2,222.90	35.51
33 05 81 00-0025	EA	24" Square Aluminum Manhole Cover With Frame	3,192.99	41.23
33 05 81 00-0026 Removal And Reinstallation Of Manhole Cover And Frame (33 05 81 00-0006)				
Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.				
33 05 81 00-0027	EA	Removal And Reinstallation Of Manhole Cover And Frame	458.89	
33 05 83 Non-Metallic Accessories for Utility Structures (33 05)				
33 05 83 00-0001 Manhole Accessories (33 05 83)				
33 05 83 00-0002 Steps For Cast-In-Place Manholes (33 05 83 00-0001)				
See CSI section 33 01 30 81-0041 for installation of steps in existing manholes.				
33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes	55.03	
33 05 83 00-0004 Rainguard Inflow Protectors (33 05 83)				
33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	143.79	23.60
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	168.00	23.60
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	200.83	28.32
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	216.13	28.32
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	269.11	33.04
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	287.89	33.04
33 05 84 Accessories for Utility Structures (33 05)				
See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.				
33 05 84 00-0001 Manhole Accessories (33 05 84)				
33 05 84 00-0002 Precast Concrete Manhole Tops (33 05 84 00-0001)				
33 05 84 00-0003 Precast Concrete Manhole Slab Tops (33 05 84 00-0002)				
33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab	647.81	85.84
33 05 84 00-0005	EA	4' Diameter x 8" Thick Precast Manhole Top Slab	912.99	92.71
33 05 84 00-0006	EA	5' Diameter x 8" Thick Precast Manhole Top Slab	1,242.22	99.58
33 05 84 00-0007	EA	6' Diameter x 8" Thick Precast Manhole Top Slab	1,490.66	106.44
33 05 84 00-0008	EA	7' Diameter x 8" Thick Precast Manhole Top Slab	2,281.95	114.46
33 05 84 00-0009	EA	8' Diameter x 10" Thick Precast Manhole Top Slab	3,054.25	123.04
33 05 84 00-0010	EA	10' Diameter x 12" Thick Precast Manhole Top Slab	5,223.61	131.63
33 05 84 00-0011	EA	12' Diameter x 12" Thick Precast Manhole Top Slab	7,424.58	141.64
33 05 84 00-0012 Precast Concrete Manhole Cone Tops (33 05 84 00-0002)				
33 05 84 00-0013	EA	3' Diameter x 8" Thick Precast Manhole Top Cone	1,038.09	107.30
33 05 84 00-0014	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone	1,156.73	111.59
33 05 84 00-0015	EA	4' Diameter x 8" Thick Precast Manhole Top Cone	1,275.40	115.88
33 05 84 00-0016	EA	5' Diameter x 8" Thick Precast Manhole Top Cone	1,506.95	123.04
33 05 84 00-0017	EA	6' Diameter x 8" Thick Precast Manhole Top Cone	1,744.27	131.63

33 Utilities**33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 05 84 00-0018		Precast Concrete Manhole Reducer Slabs (33 05 84 00-0002)	
33 05 84 00-0019	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,367.73
33 05 84 00-0020	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,766.37
33 05 84 00-0021	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,340.09
33 05 84 00-0022	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,718.58
33 05 84 00-0023	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,791.01
33 05 84 00-0024	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	6,950.58
33 05 84 00-0025		Pipe To Manhole Connector (33 05 84 00-0001)	
33 05 84 00-0026		Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors (33 05 84 00-0025)	
33 05 84 00-0027	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	94.44
33 05 84 00-0028	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	138.45
33 05 84 00-0029	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	156.13
33 05 84 00-0030	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	235.22
33 05 84 00-0031	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	328.33
33 05 84 00-0032	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	434.92
33 05 84 00-0033	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	781.13
33 05 84 00-0034	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,084.26
33 05 84 00-0035	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,707.57
33 05 84 00-0036	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	2,011.45
33 05 84 00-0037		Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout (33 05 84 00-0025) Note: Fernco CMA.	
33 05 84 00-0038	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	117.81
33 05 84 00-0039	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	163.81
33 05 84 00-0040	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	207.03
33 05 84 00-0041	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	250.05
33 05 84 00-0042	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	290.04
33 05 84 00-0043		Brick And Grout Pipe To Manhole Connector (33 05 84 00-0025)	
33 05 84 00-0044	EA	Seal Gap Between Pipe And Structure With Brick And Grout.....	298.78
33 05 84 00-0045		Inverts For Manholes (33 05 84 00-0001)	
33 05 84 00-0046	EA	Single Channel Concrete Invert For Manholes	467.16
33 05 84 00-0047	EA	Double Channel Concrete Invert For Manholes	675.41
33 05 84 00-0048	EA	Triple Channel Concrete Invert For Manholes	909.07
33 05 84 00-0049	EA	Quad Channel Concrete Invert For Manholes	1,142.65
33 05 84 00-0050	EA	Single Channel Brick Invert For Manholes	703.21
33 05 84 00-0051	EA	Double Channel Brick Invert For Manholes	1,052.67
33 05 84 00-0052	EA	Triple Channel Brick Invert For Manholes	1,408.10
33 05 84 00-0053	EA	Quad Channel Brick Invert For Manholes	1,759.62
33 05 84 00-0054		Protective Coating For New Manholes (33 05 84 00-0001)	
33 05 84 00-0055		Polyurethane Protective Coating For New Manholes (33 05 84 00-0054)	
33 05 84 00-0056	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	219.52
		For 80 Mil Material, Add	32.81
		For 100 Mil Material, Add	65.61
		For 125 Mil Material, Add	103.69
		For 150 Mil Material, Add	141.77
		For 200 Mil Material, Add	210.11
		For 2 To 5 Manholes, Deduct	-14.88
		For 6 To 10 Manholes, Deduct	-24.28
		For >10 Manholes, Deduct	-48.55
33 05 84 00-0057	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	264.86
		For 80 Mil Material, Add	38.95
		For 100 Mil Material, Add	77.89
		For 125 Mil Material, Add	123.00
		For 150 Mil Material, Add	168.10
		For 200 Mil Material, Add	248.76
		For 2 To 5 Manholes, Deduct	-18.02
		For 6 To 10 Manholes, Deduct	-29.41
		For >10 Manholes, Deduct	-58.83
33 05 84 00-0058	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	292.69
		For 80 Mil Material, Add	43.74
		For 100 Mil Material, Add	87.48
		For 125 Mil Material, Add	138.25
		For 150 Mil Material, Add	189.02
		For 200 Mil Material, Add	280.13
		For 2 To 5 Manholes, Deduct	-19.84
		For 6 To 10 Manholes, Deduct	-32.37
		For >10 Manholes, Deduct	-64.74

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0059 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	365.94	
For 80 Mil Material, Add	54.70	
For 100 Mil Material, Add	109.40	
For 125 Mil Material, Add	172.89	
For 150 Mil Material, Add	236.38	
For 200 Mil Material, Add	350.34	
For 2 To 5 Manholes, Deduct	-24.81	
For 6 To 10 Manholes, Deduct	-40.47	
For >10 Manholes, Deduct	-80.94	
33 05 84 00-0060 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	425.22	
For 80 Mil Material, Add	64.59	
For 100 Mil Material, Add	129.18	
For 125 Mil Material, Add	204.32	
For 150 Mil Material, Add	279.46	
For 200 Mil Material, Add	414.81	
For 2 To 5 Manholes, Deduct	-28.73	
For 6 To 10 Manholes, Deduct	-46.82	
For >10 Manholes, Deduct	-93.65	
 33 05 84 00-0061 Polyvinyl Chloride (PVC) Liner (33 05 84 00-0054)		
Note: For new manholes and shop applied.		
33 05 84 00-0062 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	297.43	
33 05 84 00-0063 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	364.59	
33 05 84 00-0064 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	444.92	
33 05 84 00-0065 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	558.74	
33 05 84 00-0066 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	672.56	
33 05 84 00-0067 SF Polyvinyl Chloride (PVC) Liner At Structures	45.31	
 33 05 84 00-0068 Concrete Grade Extensions/Grade Rings (33 05 84 00-0001)		
33 05 84 00-0069 18" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0068)		
33 05 84 00-0070 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	97.13	
33 05 84 00-0071 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	106.26	
33 05 84 00-0072 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	115.38	
33 05 84 00-0073 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	124.51	
 33 05 84 00-0074 24" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0068)		
33 05 84 00-0075 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	109.09	
33 05 84 00-0076 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	119.46	
33 05 84 00-0077 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	129.83	
33 05 84 00-0078 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	140.20	
 33 05 84 00-0079 30" Diameter, Concrete Grade Extensions/Grade Rings (33 05 84 00-0068)		
33 05 84 00-0080 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	120.78	
33 05 84 00-0081 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	132.34	
33 05 84 00-0082 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	143.91	
33 05 84 00-0083 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	155.47	
 33 05 84 00-0084 Bentonite Collar (33 05 84 00-0001)		
33 05 84 00-0085 Bentonite Collar At Manhole Connections (33 05 84 00-0084)		
33 05 84 00-0086 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection	162.19	
33 05 84 00-0087 EA >12" To 21", Bentonite Collar At Manhole Connection	256.93	
33 05 84 00-0088 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection	407.13	
33 05 84 00-0089 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection	951.66	
33 05 84 00-0090 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,485.29	
33 05 84 00-0091 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,697.47	
 33 05 84 00-0092 Expanded Polypropylene (EPP) Finish Ring (33 05 84 00-0001)		
33 05 84 00-0093 EA 34" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	110.75	
33 05 84 00-0094 EA 34" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	113.11	
33 05 84 00-0095 EA 34" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	120.03	
33 05 84 00-0096 EA 34" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	126.95	
33 05 84 00-0097 EA 34" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	133.87	
33 05 84 00-0098 EA 34" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	140.79	
33 05 84 00-0099 EA 34" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	153.18	
33 05 84 00-0100 EA 34" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	123.70	
33 05 84 00-0101 EA 36" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	116.73	
33 05 84 00-0102 EA 36" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	119.26	
33 05 84 00-0103 EA 36" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	126.66	
33 05 84 00-0104 EA 36" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	134.07	
33 05 84 00-0105 EA 36" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	141.47	
33 05 84 00-0106 EA 36" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	148.87	
33 05 84 00-0107 EA 36" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	162.12	
33 05 84 00-0108 EA 36" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	130.59	
33 05 84 00-0109 EA 40" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	130.13	
33 05 84 00-0110 EA 40" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	133.22	
33 05 84 00-0111 EA 40" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	142.46	
33 05 84 00-0112 EA 40" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	151.71	
33 05 84 00-0113 EA 40" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	159.77	

33 Utilities**33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 05 84 00-0114	EA	40" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring.....	167.83	
33 05 84 00-0115	EA	40" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring.....	181.44	
33 05 84 00-0116	EA	40" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring.....	147.05	
33 05 84 00-0117	EA	46" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring.....	144.87	
33 05 84 00-0118	EA	46" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring.....	148.59	
33 05 84 00-0119	EA	46" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring.....	159.90	
33 05 84 00-0120	EA	46" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring.....	171.22	
33 05 84 00-0121	EA	46" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring.....	180.02	
33 05 84 00-0122	EA	46" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring.....	188.82	
33 05 84 00-0123	EA	46" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring.....	202.87	
33 05 84 00-0124	EA	46" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring.....	165.25	

33 05 84 00-0125 Expanded Polypropylene (EPP) Grade Ring (33 05 84 00-0001)

33 05 84 00-0126	EA	34" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring.....	140.79	
33 05 84 00-0127	EA	34" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring.....	195.03	
33 05 84 00-0128	EA	34" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring.....	244.63	
33 05 84 00-0129	EA	36" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring.....	148.87	
33 05 84 00-0130	EA	36" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring.....	206.87	
33 05 84 00-0131	EA	36" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring.....	259.92	
33 05 84 00-0132	EA	40" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring.....	167.83	
33 05 84 00-0133	EA	40" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring.....	231.65	
33 05 84 00-0134	EA	40" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring.....	290.50	
33 05 84 00-0135	EA	46" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring.....	188.82	
33 05 84 00-0136	EA	46" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring.....	259.24	
33 05 84 00-0137	EA	46" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring.....	324.62	

33 05 84 00-0138 Waste Water Collection System Taps (33 05 84)

Note: For tapping existing structures only. Includes grout.

33 05 84 00-0139 Brick Manhole Taps (33 05 84 00-0138)

33 05 84 00-0140	EA	4" Tap In 6" Brick Manhole.....	589.46	
33 05 84 00-0141	EA	6" Tap In 6" Brick Manhole.....	658.37	
33 05 84 00-0142	EA	8" Tap In 6" Brick Manhole.....	726.05	
33 05 84 00-0143	EA	10" Tap In 6" Brick Manhole.....	793.59	
33 05 84 00-0144	EA	12" Tap In 6" Brick Manhole.....	875.89	
33 05 84 00-0145	EA	15" Tap In 6" Brick Manhole.....	943.30	

33 05 84 00-0146 Precast Concrete Manhole Tap (33 05 84 00-0138)

33 05 84 00-0147	EA	4" Tap In Existing Precast Concrete Manhole.....	861.35	
33 05 84 00-0148	EA	6" Tap In Existing Precast Concrete Manhole.....	964.72	
33 05 84 00-0149	EA	8" Tap In Existing Precast Concrete Manhole.....	1,079.10	
33 05 84 00-0150	EA	10" Tap In Existing Precast Concrete Manhole.....	1,180.42	
33 05 84 00-0151	EA	12" Tap In Existing Precast Concrete Manhole.....	1,281.53	
33 05 84 00-0152	EA	15" Tap In Existing Precast Concrete Manhole.....	1,385.09	
33 05 84 00-0153	EA	18" Tap In Existing Precast Concrete Manhole.....	1,595.45	
33 05 84 00-0154	EA	24" Tap In Existing Precast Concrete Manhole.....	2,051.71	

33 05 97 Identification and Signage for Utilities (33 05)**33 05 97 23 Utility Identification Warning Tape (33 05 97)****33 05 97 23-0001 Non-Detectable Utility Warning Tape (33 05 97 23)**

Note: Labor installation is included with pipe and excavation.

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape.....	8.34	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape.....	11.78	

33 05 97 23-0004 Detectable Utility Warning Tape (33 05 97 23)

Note: Labor installation is included with pipe and excavation.

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape.....	8.48	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape.....	11.60	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape.....	18.64	

33 10 Water Utilities (33)**33 11 Groundwater Sources (33 10)****33 11 13 Potable Water Supply Wells (33 11)****33 11 13 00-0001 Submersible Well Pumps (33 11 13)**

Note: Includes pump end, motor and control box.

33 11 13 00-0002 4" Submersible Well Pumps (33 11 13 00-0001)**33 11 13 00-0003 Powder Coated Case And Cast Iron Ends (33 11 13 00-0002)**

33 11 13 00-0004	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,481.26	527.00
33 11 13 00-0005	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,686.82	584.11
33 11 13 00-0006	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,872.31	649.01

33 11 13 00-0007 Stainless Steel Case And Ends (33 11 13 00-0002)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 11 13 00-0008	EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,654.14	519.21
33 11 13 00-0009	EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,884.60	584.11
33 11 13 00-0010	EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,111.50	649.01
33 11 13 00-0011	EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,411.80	713.91
33 11 13 00-0012	EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,722.77	778.81
33 11 13 00-0013	EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,337.60	908.61
33 11 13 00-0014	EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel	4,173.86	1,038.41

33 11 13 00-0015 6" Submersible Well Pumps (33 11 13 00-0001)

33 11 13 00-0016	EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,125.89	1,298.02
33 11 13 00-0017	EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,741.91	1,427.81
33 11 13 00-0018	EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,380.42	1,557.62
33 11 13 00-0019	EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel	6,489.02	1,817.22

33 14 Water Utility Transmission and Distribution (33 10)

33 14 11 Water Utility Transmission Piping (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping (33 14 13)

33 14 13 13-0001 Ductile Iron Piping (33 14 13 13)

33 14 13 13-0002 Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0521 for bolts and gaskets.

33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF 3", Class 51, Mechanical Joint Ductile Iron Pipe.....	95.06	13.91
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	51.81	
	For Cement Mortar Lining (CML), Add	7.40	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	39.97	
	For Fusion Bonded Epoxy Lining (206N), Add	13.32	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.55	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-4.75	
	For Class 52, Add	22.37	
	For Class 53, Add	40.46	
	For Class 54, Add	57.78	
	For Class 55, Add	66.34	
	For Class 56, Add	74.75	
33 14 13 13-0005	LF 4", Class 50, Mechanical Joint Ductile Iron Pipe.....	103.75	14.80
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	56.92	
	For Cement Mortar Lining (CML), Add	8.13	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	43.91	
	For Fusion Bonded Epoxy Lining (206N), Add	14.64	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.10	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-5.19	
	For Class 51, Add	11.36	
	For Class 52, Add	24.56	
	For Class 53, Add	44.42	
	For Class 54, Add	63.45	
	For Class 55, Add	72.84	
	For Class 56, Add	82.07	
33 14 13 13-0006	LF 6", Class 50, Mechanical Joint Ductile Iron Pipe.....	111.77	15.54
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	61.80	
	For Cement Mortar Lining (CML), Add	8.83	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	47.67	
	For Fusion Bonded Epoxy Lining (206N), Add	15.89	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.62	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-5.59	
	For Class 51, Add	12.33	
	For Class 52, Add	26.64	
	For Class 53, Add	48.19	
	For Class 54, Add	68.83	
	For Class 55, Add	79.02	
	For Class 56, Add	89.03	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0007	LF 8", Class 50, Mechanical Joint Ductile Iron Pipe.....	137.38	16.15
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	79.04	
	For Cement Mortar Lining (CML), Add	11.29	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	60.97	
	For Fusion Bonded Epoxy Lining (206N), Add	20.32	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.47	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-6.87	
	For Class 51, Add	15.70	
	For Class 52, Add	33.93	
	For Class 53, Add	61.43	
	For Class 54, Add	87.76	
	For Class 55, Add	100.72	
	For Class 56, Add	113.45	
33 14 13 13-0008	LF 10", Class 50, Mechanical Joint Ductile Iron Pipe.....	181.71	22.97
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	88.14	
	For Cement Mortar Lining (CML), Add	14.69	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	73.45	
	For Fusion Bonded Epoxy Lining (206N), Add	26.44	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.02	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-9.09	
	For Class 51, Add	20.46	
	For Class 52, Add	44.22	
	For Class 53, Add	80.03	
	For Class 54, Add	114.32	
	For Class 55, Add	131.23	
	For Class 56, Add	147.82	
33 14 13 13-0009	LF 12", Class 50, Mechanical Joint Ductile Iron Pipe.....	226.30	25.53
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	93.81	
	For Cement Mortar Lining (CML), Add	18.76	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	75.05	
	For Fusion Bonded Epoxy Lining (206N), Add	33.77	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.07	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-11.32	
	For Class 51, Add	26.06	
	For Class 52, Add	56.33	
	For Class 53, Add	102.00	
	For Class 54, Add	145.73	
	For Class 55, Add	167.24	
	For Class 56, Add	188.36	
33 14 13 13-0010	LF 14", Class 50, Mechanical Joint Ductile Iron Pipe.....	276.18	28.66
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	102.37	
	For Cement Mortar Lining (CML), Add	23.27	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	79.11	
	For Fusion Bonded Epoxy Lining (206N), Add	41.88	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.45	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-13.81	
	For Class 51, Add	32.26	
	For Class 52, Add	69.75	
	For Class 53, Add	126.32	
	For Class 54, Add	180.49	
	For Class 55, Add	207.12	
	For Class 56, Add	233.26	
33 14 13 13-0011	LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	310.57	32.83
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	106.94	
	For Cement Mortar Lining (CML), Add	26.08	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	80.86	
	For Fusion Bonded Epoxy Lining (206N), Add	46.95	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.56	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-15.53	
	For Class 51, Add	36.17	
	For Class 52, Add	78.22	
	For Class 53, Add	141.65	
	For Class 54, Add	202.39	
	For Class 55, Add	232.26	
	For Class 56, Add	261.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0012	LF	18"	Class 50, Mechanical Joint Ductile Iron Pipe.....	392.53	38.28
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	137.15	
			For Cement Mortar Lining (CML), Add	33.45	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	103.70	
			For Fusion Bonded Epoxy Lining (206N), Add	60.21	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.09	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-19.63	
			For Class 51, Add	46.32	
			For Class 52, Add	100.17	
			For Class 53, Add	181.44	
			For Class 54, Add	259.28	
			For Class 55, Add	297.50	
			For Class 56, Add	335.02	
33 14 13 13-0013	LF	20"	Class 50, Mechanical Joint Ductile Iron Pipe.....	438.02	45.95
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	139.99	
			For Cement Mortar Lining (CML), Add	36.84	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	103.15	
			For Fusion Bonded Epoxy Lining (206N), Add	66.31	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.63	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-21.90	
			For Class 51, Add	51.08	
			For Class 52, Add	110.46	
			For Class 53, Add	200.04	
			For Class 54, Add	285.82	
			For Class 55, Add	327.99	
			For Class 56, Add	369.38	
33 14 13 13-0014	LF	24"	Class 50, Mechanical Joint Ductile Iron Pipe.....	581.46	57.44
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	153.27	
			For Cement Mortar Lining (CML), Add	49.44	
			Note: ANSI/AWWA C104/A21.4		
			For 40 Mil Ceramic Epoxy Lining (P401), Add	103.83	
			For Fusion Bonded Epoxy Lining (206N), Add	89.00	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.08	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-29.07	
			For Class 51, Add	68.48	
			For Class 52, Add	148.08	
			For Class 53, Add	268.23	
			For Class 54, Add	383.28	
			For Class 55, Add	439.80	
			For Class 56, Add	495.27	
33 14 13 13-0015	LF	30"	Class 50, Mechanical Joint Ductile Iron Pipe.....	790.04	61.85
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	216.14	
			For Cement Mortar Lining (CML), Add	69.72	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	125.50	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.29	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-39.50	
			For Class 51, Add	96.19	
			For Class 52, Add	208.07	
			For Class 53, Add	377.12	
			For Class 54, Add	538.99	
			For Class 55, Add	618.31	
			For Class 56, Add	696.16	
33 14 13 13-0016	LF	36"	Class 50, Mechanical Joint Ductile Iron Pipe.....	970.47	65.67
			For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	270.27	
			For Cement Mortar Lining (CML), Add	87.18	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	156.93	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.39	
			Note: ANSI/AWWA C151/A21.51		
			For >1,000, Deduct	-48.52	
			For Class 51, Add	120.06	
			For Class 52, Add	259.75	
			For Class 53, Add	470.92	
			For Class 54, Add	673.11	
			For Class 55, Add	772.08	
			For Class 56, Add	869.21	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 14 13 13-0017	LF 42", Class 50, Mechanical Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	1,227.53 348.16 112.31 202.16 84.23 -61.38 154.38 334.04 605.79 865.97 993.17 1,118.02		69.50
33 14 13 13-0018	LF 48", Class 50, Mechanical Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	1,541.73 443.77 143.15 257.67 107.36 -77.09 196.49 425.19 771.27 1,102.61 1,264.46 1,423.31		73.45
33 14 13 13-0019	Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)			
33 14 13 13-0020	EA 3" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	194.00 12.75 22.94 9.56		43.92
33 14 13 13-0021	EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	218.22 13.87 24.97 10.40		52.49
33 14 13 13-0022	EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	344.24 22.68 40.82 17.01		77.56
33 14 13 13-0023	EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	469.34 32.99 59.38 24.74		92.00
33 14 13 13-0024	EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	679.14 52.48 94.47 39.36		101.88
33 14 13 13-0025	EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	887.62 70.66 127.19 53.00		119.52
33 14 13 13-0026	EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,385.73 118.27 212.89 88.70		134.02
33 14 13 13-0027	EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,838.35 160.63 289.13 120.47		153.16

		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,259.14 193.43 348.17 145.07	214.42
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,103.23 269.72 485.49 202.29	268.03
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,566.88 402.60 724.69 301.95	356.91
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,040.93 646.08 1,162.94 484.56	382.90
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,702.94 1,010.07 1,818.13 757.55	397.51
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,016.77 1,732.06 3,117.71 1,299.04	459.48
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,835.98 2,309.54 4,157.17 1,732.15	488.84
33 14 13 13-0035		Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	180.88 11.43 20.58 8.57	43.92
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	193.85 11.43 20.58 8.57	52.49
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	301.13 18.37 33.06 13.78	77.56
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	407.49 26.80 48.25 20.10	92.00
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	546.06 39.17 70.51 29.38	101.88

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	765.79	119.52
		For Cement Mortar Lining (CML), Add	58.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	105.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,123.32	134.02
		For Cement Mortar Lining (CML), Add	92.03	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	165.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.02	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,379.14	153.16
		For Cement Mortar Lining (CML), Add	114.71	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	206.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	86.03	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	1,970.49	214.42
		For Cement Mortar Lining (CML), Add	164.57	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	296.22	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	123.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,164.19	268.03
		For Cement Mortar Lining (CML), Add	175.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	316.46	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	131.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,211.75	356.91
		For Cement Mortar Lining (CML), Add	267.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	480.76	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	200.32	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	6,006.31	382.90
		For Cement Mortar Lining (CML), Add	542.62	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	976.71	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	406.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	8,536.23	397.51
		For Cement Mortar Lining (CML), Add	793.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,428.12	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	595.05	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	12,886.76	459.48
		For Cement Mortar Lining (CML), Add	1,219.06	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,194.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	914.29	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	16,715.44	488.84
		For Cement Mortar Lining (CML), Add	1,597.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,875.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,198.11	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0002)

33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	156.52	43.92
		For Cement Mortar Lining (CML), Add	9.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	16.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	188.23	52.49
		For Cement Mortar Lining (CML), Add	10.87	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	19.57	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.15	
		Note: ANSI/AWWA C151/A21.51		

		Utilities	33	CS
		Water Utilities	33 10	
Water Utility Transmission and Distribution			33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	286.14 16.87 30.36 12.65	77.56
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	401.86 26.24 47.23 19.68	92.00
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	544.19 38.99 70.17 29.24	101.88
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	692.69 51.17 92.10 38.38	119.52
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,134.57 93.15 167.68 69.87	134.02
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,332.29 110.02 198.04 82.52	153.16
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,676.22 135.14 243.25 101.35	214.42
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,242.91 183.68 330.63 137.76	268.03
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,005.57 246.47 443.65 184.85	356.91
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,127.25 454.71 818.48 341.03	382.90
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,267.31 666.51 1,199.71 499.88	397.51
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,759.40 1,006.32 1,811.38 754.74	459.48
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,843.98 1,310.34 2,358.61 982.75	488.84

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

UNIT COST

DEMOLITION

UNIT COST

33 14 13 13-0067	Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0002)		
33 14 13 13-0068	EA 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	156.52	43.92
	For Cement Mortar Lining (CML), Add	9.00	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	16.19	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.75	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	182.61	52.49
	For Cement Mortar Lining (CML), Add	10.31	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	18.56	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.73	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	291.76	77.56
	For Cement Mortar Lining (CML), Add	17.43	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	31.38	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.07	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	377.50	92.00
	For Cement Mortar Lining (CML), Add	23.80	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	42.85	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.85	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072	EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	540.44	101.88
	For Cement Mortar Lining (CML), Add	38.61	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	69.50	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.96	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	660.83	119.52
	For Cement Mortar Lining (CML), Add	47.98	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	86.37	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.99	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,265.77	134.02
	For Cement Mortar Lining (CML), Add	106.27	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	191.29	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	79.71	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,396.01	153.16
	For Cement Mortar Lining (CML), Add	116.40	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	209.51	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	87.30	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076	EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,032.35	214.42
	For Cement Mortar Lining (CML), Add	170.75	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	307.35	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	128.06	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,136.08	268.03
	For Cement Mortar Lining (CML), Add	173.00	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	311.40	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.75	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078	EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,848.13	356.91
	For Cement Mortar Lining (CML), Add	230.73	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	415.31	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	173.05	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,209.72	382.90
	For Cement Mortar Lining (CML), Add	462.96	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	833.32	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	347.22	
	Note: ANSI/AWWA C151/A21.51		

		Utilities	33	33
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,929.93 632.77 1,138.99 474.58	397.51
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,300.20 960.40 1,728.72 720.30	459.48
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,754.01 1,301.34 2,342.41 976.01	488.84
33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0002)				
33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	199.63 13.31 23.95 9.98	43.92
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	244.46 16.49 29.69 12.37	52.49
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	391.10 27.37 49.26 20.52	77.56
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	531.19 39.17 70.51 29.38	92.00
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	769.11 61.48 110.66 46.11	101.88
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	985.08 80.41 144.73 60.31	119.52
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,698.74 149.57 269.23 112.18	134.02
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,601.20 236.91 426.45 177.69	153.16
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,016.36 269.15 484.47 201.86	214.42

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	4,100.36	268.03	
		For Cement Mortar Lining (CML), Add	369.43		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	664.97		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	277.07		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	4,979.23	356.91	
		For Cement Mortar Lining (CML), Add	443.84		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	798.91		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	332.88		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	9,320.10	382.90	
		For Cement Mortar Lining (CML), Add	874.00		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	1,573.19		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	655.50		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow.....	16,708.26	397.51	
		For Cement Mortar Lining (CML), Add	1,610.60		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	2,899.09		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,207.95		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow (33 14 13 13-0002)					
33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	182.76	43.92	
		For Cement Mortar Lining (CML), Add	11.62		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	20.92		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.72		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	199.48	52.49	
		For Cement Mortar Lining (CML), Add	12.00		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	21.59		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.00		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	321.75	77.56	
		For Cement Mortar Lining (CML), Add	20.43		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	36.77		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.32		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	467.47	92.00	
		For Cement Mortar Lining (CML), Add	32.80		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	59.04		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.60		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	641.65	101.88	
		For Cement Mortar Lining (CML), Add	48.73		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	87.72		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	36.55		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	874.50	119.52	
		For Cement Mortar Lining (CML), Add	69.35		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	124.83		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.01		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	1,501.93	134.02	
		For Cement Mortar Lining (CML), Add	129.89		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	233.80		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.42		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,291.94	153.16	
		For Cement Mortar Lining (CML), Add	205.99		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	370.78		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	154.49		
		Note: ANSI/AWWA C151/A21.51			

		Utilities	33	CS
		Water Utilities	33 10	
Water Utility Transmission and Distribution			33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,703.35 237.85 428.13 178.39	214.42
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,511.83 310.58 559.04 232.93	268.03
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,411.31 387.05 696.68 290.29	356.91
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,182.39 760.22 1,368.40 570.17	382.90
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,614.65 1,401.24 2,522.24 1,050.93	397.51
33 14 13 13-0111 Mechanical Joint Ductile Iron Tee (33 14 13 13-0002)				
33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	317.25 21.74 39.14 16.31	65.90
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	329.00 21.74 39.14 16.31	73.64
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	299.26 18.18 32.73 13.64	77.56
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	399.19 25.12 45.21 18.84	97.70
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	459.65 30.55 54.99 22.91	101.74
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	500.50 32.80 59.04 24.60	113.90
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	532.88 35.43 63.77 26.57	117.90

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee.....	605.58	130.01
		For Cement Mortar Lining (CML), Add	40.86	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	73.55	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.65	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee.....	702.18	138.13
		For Cement Mortar Lining (CML), Add	49.30	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	88.73	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	36.97	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee.....	735.38	126.61
		For Cement Mortar Lining (CML), Add	54.36	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	97.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee.....	735.91	138.10
		For Cement Mortar Lining (CML), Add	52.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	94.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.50	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee.....	837.50	145.76
		For Cement Mortar Lining (CML), Add	61.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	111.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.25	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee.....	936.80	153.16
		For Cement Mortar Lining (CML), Add	70.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	126.85	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee.....	880.42	141.92
		For Cement Mortar Lining (CML), Add	66.54	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	119.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.90	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee.....	1,000.90	153.40
		For Cement Mortar Lining (CML), Add	76.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	138.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.64	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee.....	1,231.81	161.08
		For Cement Mortar Lining (CML), Add	98.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	177.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee.....	1,319.86	168.48
		For Cement Mortar Lining (CML), Add	106.46	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	191.63	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	79.85	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee.....	1,250.88	176.13
		For Cement Mortar Lining (CML), Add	98.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	177.12	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	73.80	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee.....	1,335.45	178.76
		For Cement Mortar Lining (CML), Add	106.46	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	191.63	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	79.85	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee.....	1,487.64	186.42
		For Cement Mortar Lining (CML), Add	120.52	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	216.93	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.39	
		Note: ANSI/AWWA C151/A21.51		

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,903.69 161.00 289.81 120.75	193.82
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,035.26 173.00 311.40 129.75	201.47
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,962.63 163.82 294.87 122.86	214.19
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,698.65 137.39 247.30 103.04	214.41
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,828.45 149.20 268.55 111.90	222.08
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,132.04 178.44 321.18 133.83	229.48
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,334.82 197.55 355.60 148.16	237.13
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,813.24 243.47 438.25 182.61	249.82
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,656.57 225.11 405.19 168.83	267.68
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,361.30 194.55 350.20 145.92	274.41
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,534.13 210.67 379.21 158.01	282.07
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,744.00 230.54 414.97 172.91	289.48
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,952.41 250.22 450.40 187.67	297.13

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
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 TOTAL DIRECT DEMOLITION
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33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee.....	3,037.22	309.80
		For Cement Mortar Lining (CML), Add	256.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	462.21	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	192.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee.....	3,242.29	327.63
		For Cement Mortar Lining (CML), Add	274.59	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	494.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	205.94	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee.....	3,799.43	357.60
		For Cement Mortar Lining (CML), Add	325.76	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	586.36	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	244.32	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee.....	2,785.42	393.50
		For Cement Mortar Lining (CML), Add	218.92	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	394.06	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	164.19	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee.....	2,845.78	401.17
		For Cement Mortar Lining (CML), Add	223.79	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	402.83	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	167.85	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee.....	3,102.51	408.56
		For Cement Mortar Lining (CML), Add	248.35	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	447.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	186.26	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee.....	3,357.78	416.23
		For Cement Mortar Lining (CML), Add	272.71	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	490.89	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	204.54	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee.....	3,397.60	428.89
		For Cement Mortar Lining (CML), Add	274.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	494.60	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	206.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee.....	3,447.10	446.73
		For Cement Mortar Lining (CML), Add	277.02	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	498.64	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	207.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee.....	4,339.74	476.72
		For Cement Mortar Lining (CML), Add	361.74	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	651.14	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	271.31	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee.....	3,815.19	536.29
		For Cement Mortar Lining (CML), Add	300.27	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	540.48	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	225.20	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee.....	3,409.53	512.23
		For Cement Mortar Lining (CML), Add	263.34	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	474.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	197.51	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee.....	3,454.88	520.62
		For Cement Mortar Lining (CML), Add	266.72	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	480.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	200.04	
		Note: ANSI/AWWA C151/A21.51		

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			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

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33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,810.96 301.20 542.17 225.90	527.30
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,906.91 309.64 557.35 232.23	534.95
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,402.18 357.25 643.04 267.93	547.63
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,757.21 390.05 702.08 292.53	565.45
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,409.94 450.77 811.39 338.08	595.46
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,996.86 500.44 900.80 375.33	654.99
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,539.50 445.71 802.28 334.28	714.40
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,944.35 502.88 905.18 377.16	604.27
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,264.83 533.81 960.85 400.35	611.66
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,585.70 564.73 1,016.52 423.55	619.31
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,043.48 608.59 1,095.47 456.44	632.00
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,539.08 655.45 1,179.81 491.59	840.86
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,741.97 671.19 1,208.15 503.40	679.82

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
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33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee.....	8,051.50	739.38
		For Cement Mortar Lining (CML), Add	693.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,247.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	519.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee.....	8,458.20	798.74
		For Cement Mortar Lining (CML), Add	724.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,304.64	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	543.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee.....	10,617.61	840.86
		For Cement Mortar Lining (CML), Add	934.35	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,681.83	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	700.76	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee.....	6,217.64	596.60
		For Cement Mortar Lining (CML), Add	531.37	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	956.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	398.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee.....	7,272.13	670.33
		For Cement Mortar Lining (CML), Add	625.65	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,126.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	469.24	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee.....	8,096.81	677.73
		For Cement Mortar Lining (CML), Add	706.99	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,272.59	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	530.25	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee.....	8,543.25	685.38
		For Cement Mortar Lining (CML), Add	750.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,350.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	562.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee.....	8,864.20	698.06
		For Cement Mortar Lining (CML), Add	780.65	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,405.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	585.49	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee.....	9,189.24	715.89
		For Cement Mortar Lining (CML), Add	810.46	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,458.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	607.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee.....	9,811.98	745.89
		For Cement Mortar Lining (CML), Add	868.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,562.73	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	651.14	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee.....	10,481.38	805.43
		For Cement Mortar Lining (CML), Add	926.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,666.98	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	694.58	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee.....	11,598.43	864.79
		For Cement Mortar Lining (CML), Add	1,028.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,851.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	771.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee.....	12,826.32	940.07
		For Cement Mortar Lining (CML), Add	1,145.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,061.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	858.91	
		Note: ANSI/AWWA C151/A21.51		

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,984.97 1,356.07 2,440.93 1,017.05	940.07
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,868.70 1,577.43 2,839.37 1,183.07	722.30
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,206.53 1,609.29 2,896.72 1,206.97	734.99
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,128.48 1,798.79 3,237.81 1,349.09	752.82
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,880.64 1,669.46 3,005.02 1,252.09	782.81
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,970.87 1,669.46 3,005.02 1,252.09	842.36
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,366.33 1,700.01 3,060.01 1,275.01	901.72
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,283.85 2,085.37 3,753.66 1,564.03	943.91
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,209.20 2,172.90 3,911.22 1,629.67	976.95
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,554.82 2,304.66 4,148.40 1,728.50	995.42
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,879.91 1,869.63 3,365.34 1,402.23	781.16
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,236.49 1,903.37 3,426.07 1,427.53	793.83
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,741.46 1,951.17 3,512.10 1,463.38	811.66

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee.....	21,262.98	841.66	
		For Cement Mortar Lining (CML), Add	1,998.78		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	3,597.80		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,499.08		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee.....	21,831.16	901.20	
		For Cement Mortar Lining (CML), Add	2,046.57		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	3,683.83		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,534.93		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee.....	21,984.84	960.57	
		For Cement Mortar Lining (CML), Add	2,052.94		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	3,695.30		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,539.71		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee.....	26,770.17	1,002.75	
		For Cement Mortar Lining (CML), Add	2,525.08		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	4,545.15		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,893.81		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee.....	30,531.36	1,035.78	
		For Cement Mortar Lining (CML), Add	2,896.20		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	5,213.16		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,172.15		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee.....	32,028.80	1,054.24	
		For Cement Mortar Lining (CML), Add	3,043.15		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	5,477.66		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,282.36		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee.....	32,562.59	1,083.72	
		For Cement Mortar Lining (CML), Add	3,092.07		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	5,565.72		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,319.05		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0002)					
33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	270.90	73.64	
		For Cement Mortar Lining (CML), Add	15.93		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	28.68		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.95		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	415.47	77.52	
		For Cement Mortar Lining (CML), Add	29.80		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	53.64		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.35		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	399.19	97.70	
		For Cement Mortar Lining (CML), Add	25.12		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	45.21		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.84		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	461.53	101.74	
		For Cement Mortar Lining (CML), Add	30.74		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	55.33		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.05		
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	622.33	113.84	
		For Cement Mortar Lining (CML), Add	44.98		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	80.97		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.74		
		Note: ANSI/AWWA C151/A21.51			

		Utilities	33	CS
		Water Utilities	33 10	
		Water Utility Transmission and Distribution	33 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0210	EA		8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	799.03	117.90
			For Cement Mortar Lining (CML), Add	62.04	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	111.67	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.53	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA		8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	716.17	130.01
			For Cement Mortar Lining (CML), Add	51.92	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	93.45	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.94	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212	EA		8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	865.24	138.08
			For Cement Mortar Lining (CML), Add	65.60	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	118.08	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.20	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA		10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,235.83	126.61
			For Cement Mortar Lining (CML), Add	104.40	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	187.92	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.30	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214	EA		10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,307.58	138.10
			For Cement Mortar Lining (CML), Add	109.84	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	197.70	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.38	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA		10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,502.88	145.76
			For Cement Mortar Lining (CML), Add	128.20	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	230.77	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.15	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA		10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,692.16	153.16
			For Cement Mortar Lining (CML), Add	146.01	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	262.82	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	109.51	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA		12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,577.67	141.92
			For Cement Mortar Lining (CML), Add	136.26	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	245.27	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	102.20	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA		12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,784.37	153.40
			For Cement Mortar Lining (CML), Add	155.19	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	279.35	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	116.40	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA		12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,150.22	161.08
			For Cement Mortar Lining (CML), Add	190.62	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	343.11	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.96	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA		12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,212.04	168.48
			For Cement Mortar Lining (CML), Add	195.68	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	352.22	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	146.76	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA		12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,004.35	176.12
			For Cement Mortar Lining (CML), Add	173.75	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	312.75	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	130.31	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA		14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,362.58	178.76
			For Cement Mortar Lining (CML), Add	209.17	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	376.51	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	156.88	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,704.07	186.42
		For Cement Mortar Lining (CML), Add	242.16	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	435.89	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	181.62	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,530.60	193.82
		For Cement Mortar Lining (CML), Add	323.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	582.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	242.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,782.12	201.47
		For Cement Mortar Lining (CML), Add	347.69	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	625.83	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	260.76	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,696.36	214.15
		For Cement Mortar Lining (CML), Add	337.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	606.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	252.89	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,427.86	214.41
		For Cement Mortar Lining (CML), Add	210.30	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	378.54	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	157.72	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,671.89	222.08
		For Cement Mortar Lining (CML), Add	233.54	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	420.37	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	175.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,149.80	229.48
		For Cement Mortar Lining (CML), Add	280.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	504.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	210.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,523.14	237.13
		For Cement Mortar Lining (CML), Add	316.39	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	569.49	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	237.29	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,408.29	249.82
		For Cement Mortar Lining (CML), Add	402.98	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	725.36	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	302.23	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,251.62	267.63
		For Cement Mortar Lining (CML), Add	384.61	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	692.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	288.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,821.40	274.41
		For Cement Mortar Lining (CML), Add	340.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	613.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	255.42	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,114.18	282.07
		For Cement Mortar Lining (CML), Add	368.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	663.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	276.51	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,397.15	289.48
		For Cement Mortar Lining (CML), Add	395.86	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	712.54	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	296.89	
		Note: ANSI/AWWA C151/A21.51		

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33 14 13 13-0236 EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,704.90	297.13
For Cement Mortar Lining (CML), Add	425.47	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	765.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	319.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237 EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,757.84	309.80
For Cement Mortar Lining (CML), Add	428.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	771.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	321.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,807.35	327.63
For Cement Mortar Lining (CML), Add	431.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	775.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	323.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,399.21	357.62
For Cement Mortar Lining (CML), Add	385.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	694.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	289.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,536.03	393.50
For Cement Mortar Lining (CML), Add	393.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	709.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	295.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,635.75	401.17
For Cement Mortar Lining (CML), Add	402.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	725.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	302.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,089.29	408.56
For Cement Mortar Lining (CML), Add	447.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	804.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	335.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,539.48	416.23
For Cement Mortar Lining (CML), Add	490.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	883.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	368.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,596.18	428.89
For Cement Mortar Lining (CML), Add	494.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	890.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	370.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,662.55	446.73
For Cement Mortar Lining (CML), Add	498.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	897.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	373.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,558.93	476.72
For Cement Mortar Lining (CML), Add	583.66	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,050.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	437.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,218.07	536.27
For Cement Mortar Lining (CML), Add	540.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	973.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	405.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,516.27	512.23
For Cement Mortar Lining (CML), Add	474.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	853.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	355.51	
Note: ANSI/AWWA C151/A21.51		

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33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,587.85	519.90
		For Cement Mortar Lining (CML), Add	480.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	864.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	360.01	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	6,219.46	527.30
		For Cement Mortar Lining (CML), Add	542.05	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	975.70	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	406.54	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,508.46	534.95
		For Cement Mortar Lining (CML), Add	569.79	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,025.63	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	427.34	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,509.81	547.63
		For Cement Mortar Lining (CML), Add	668.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,202.41	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	501.01	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	8,340.91	565.45
		For Cement Mortar Lining (CML), Add	748.42	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,347.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	561.31	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	9,331.02	595.46
		For Cement Mortar Lining (CML), Add	842.88	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,517.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	632.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	10,251.57	654.99
		For Cement Mortar Lining (CML), Add	925.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,666.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	694.44	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	9,104.46	714.36
		For Cement Mortar Lining (CML), Add	802.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,443.98	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	601.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	11,360.77	596.60
		For Cement Mortar Lining (CML), Add	1,045.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,882.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	784.26	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	12,733.14	604.27
		For Cement Mortar Lining (CML), Add	1,181.76	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,127.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	886.32	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	13,471.59	611.66
		For Cement Mortar Lining (CML), Add	1,254.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,258.07	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	940.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	14,210.43	619.31
		For Cement Mortar Lining (CML), Add	1,327.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,388.97	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	995.40	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	15,258.62	632.00
		For Cement Mortar Lining (CML), Add	1,430.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,574.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,072.58	
		Note: ANSI/AWWA C151/A21.51		

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33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,387.74 1,540.32 2,772.57 1,155.24	649.83
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,802.43 1,577.24 2,839.03 1,182.93	679.82
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,408.10 1,628.78 2,931.81 1,221.59	739.38
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,242.15 1,703.20 3,065.75 1,277.40	798.74
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,769.91 1,849.58 3,329.24 1,387.18	840.93
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,676.61 2,063.81 3,714.87 1,547.86	685.38
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,526.12 2,146.85 3,864.32 1,610.13	698.06
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,372.22 2,228.75 4,011.76 1,671.57	715.89
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,005.22 2,387.51 4,297.52 1,790.63	745.89
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,688.62 2,546.83 4,584.29 1,910.12	805.43
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,603.15 2,829.29 5,092.71 2,121.96	864.79
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	33,158.94 3,178.47 5,721.25 2,383.85	906.98
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	39,564.81 3,814.05 6,865.30 2,860.54	940.02

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33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	34,815.38	842.36
		For Cement Mortar Lining (CML), Add	3,353.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	6,037.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,515.43	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	35,686.92	901.72
		For Cement Mortar Lining (CML), Add	3,432.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	6,177.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,574.05	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	38,119.98	943.91
		For Cement Mortar Lining (CML), Add	3,668.98	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	6,604.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,751.74	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	43,586.81	976.95
		For Cement Mortar Lining (CML), Add	4,210.66	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	7,579.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,158.00	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	51,400.71	995.41
		For Cement Mortar Lining (CML), Add	4,989.25	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	8,980.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,741.94	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	34,349.74	901.20
		For Cement Mortar Lining (CML), Add	3,298.43	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,937.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,473.82	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	38,900.57	960.57
		For Cement Mortar Lining (CML), Add	3,744.52	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	6,740.13	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,808.39	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	41,459.21	1,002.75
		For Cement Mortar Lining (CML), Add	3,993.99	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	7,189.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,995.49	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	47,254.05	1,035.78
		For Cement Mortar Lining (CML), Add	4,568.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	8,223.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,426.35	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	61,770.51	1,054.24
		For Cement Mortar Lining (CML), Add	6,017.32	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	10,831.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4,512.99	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	67,812.91	1,083.67
		For Cement Mortar Lining (CML), Add	6,617.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	11,910.78	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4,962.82	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286		Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee (33 14 13 13-0002)		
33 14 13 13-0287	EA	6" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	551.10	113.90
		For Cement Mortar Lining (CML), Add	37.86	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	68.15	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.40	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	28.40	

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0288	EA		8" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	654.31 45.73 82.32 34.30 34.30	130.01
33 14 13 13-0289	EA		10" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	988.95 77.97 140.35 58.48 58.48	138.10
33 14 13 13-0290	EA		12" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,111.49 87.91 158.23 65.93 65.93	153.40
33 14 13 13-0291	EA		14" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,515.39 124.46 224.02 93.34 93.34	178.76
33 14 13 13-0292	EA		16" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,934.91 161.00 289.81 120.75 120.75	214.41
33 14 13 13-0293	EA		18" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	2,376.30 196.05 352.90 147.04 147.04	274.41
33 14 13 13-0294	EA		20" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	3,330.84 273.46 492.23 205.10 205.10	393.50
33 14 13 13-0295	EA		24" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	3,872.84 313.39 564.09 235.04 235.04	512.23
33 14 13 13-0296	EA		30" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	7,559.65 665.57 1,198.03 499.18 499.18	596.60
33 14 13 13-0297			Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee (33 14 13 13-0002)		
33 14 13 13-0298	EA		6" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	494.87 32.24 58.03 24.18 24.18	113.90

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-0299	EA	8" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	579.34		130.01
			38.24		
			68.82		
			28.68		
			28.68		
33 14 13 13-0300	EA	10" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	824.01		138.10
			61.48		
			110.66		
			46.11		
			46.11		
33 14 13 13-0301	EA	12" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,019.64		153.40
			78.72		
			141.70		
			59.04		
			59.04		
33 14 13 13-0302	EA	14" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,282.97		178.76
			101.21		
			182.18		
			75.91		
			75.91		
33 14 13 13-0303	EA	16" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	1,620.03		214.41
			129.52		
			233.13		
			97.14		
			97.14		
33 14 13 13-0304	EA	18" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	2,093.28		274.41
			167.75		
			301.95		
			125.81		
			125.81		
33 14 13 13-0305	EA	20" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	2,286.85		393.50
			169.06		
			304.32		
			126.80		
			126.80		
33 14 13 13-0306	EA	24" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee Note: Includes swivel gland. For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	3,173.72		512.23
			243.47		
			438.25		
			182.61		
			182.61		
33 14 13 13-0307		Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)			
33 14 13 13-0308	EA	3" x 3" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	374.90		87.85
			24.18		
			43.52		
			18.13		
33 14 13 13-0309	EA	4" x 3" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	454.12		95.59
			30.93		
			55.67		
			23.19		

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0310	EA	4" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	538.55 39.17 70.51 29.38	96.89
33 14 13 13-0311	EA	6" x 3" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	642.63 46.11 82.99 34.58	119.77
33 14 13 13-0312	EA	6" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	623.08 42.73 76.92 32.05	129.19
33 14 13 13-0313	EA	6" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	724.52 47.98 86.37 35.99	161.49
33 14 13 13-0314	EA	8" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	639.59 42.55 76.58 31.91	141.32
33 14 13 13-0315	EA	8" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	759.74 49.67 89.40 37.25	173.62
33 14 13 13-0316	EA	8" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	804.36 52.29 94.13 39.22	185.71
33 14 13 13-0317	EA	10" x 4" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	779.15 55.48 99.86 41.61	148.08
33 14 13 13-0318	EA	10" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	893.03 62.23 112.01 46.67	178.71
33 14 13 13-0319	EA	10" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,060.40 77.22 139.00 57.92	190.20
33 14 13 13-0320	EA	10" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,147.28 83.78 150.81 62.84	204.21
33 14 13 13-0321	EA	12 x 4" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	944.66 70.10 126.18 52.58	160.81
33 14 13 13-0322	EA	12" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,097.90 80.78 145.41 60.59	191.44

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0323	EA	12" x 8" Mechanical Joint Ductile Iron Cross	1,582.03	202.95
		For Cement Mortar Lining (CML), Add	127.45	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	229.42	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	12" x 10" Mechanical Joint Ductile Iron Cross	1,603.32	217.00
		For Cement Mortar Lining (CML), Add	127.45	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	229.42	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,819.43	229.74
		For Cement Mortar Lining (CML), Add	147.13	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	264.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	110.35	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,863.51	210.59
		For Cement Mortar Lining (CML), Add	154.44	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	278.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	115.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	14" x 8" Mechanical Joint Ductile Iron Cross	2,192.07	222.08
		For Cement Mortar Lining (CML), Add	185.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	334.00	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	139.17	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	14" x 10" Mechanical Joint Ductile Iron Cross	2,250.84	236.13
		For Cement Mortar Lining (CML), Add	189.31	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	340.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	141.98	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	14" x 12" Mechanical Joint Ductile Iron Cross	2,375.11	248.87
		For Cement Mortar Lining (CML), Add	199.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	359.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	149.85	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	14" x 14" Mechanical Joint Ductile Iron Cross	2,627.15	268.03
		For Cement Mortar Lining (CML), Add	222.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	399.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	166.58	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0331	EA	16" x 6" Mechanical Joint Ductile Iron Cross	2,130.89	237.37
		For Cement Mortar Lining (CML), Add	177.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	318.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	132.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332	EA	16" x 8" Mechanical Joint Ductile Iron Cross	2,423.83	248.87
		For Cement Mortar Lining (CML), Add	204.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	368.42	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	153.51	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333	EA	16" x 10" Mechanical Joint Ductile Iron Cross	2,899.79	262.91
		For Cement Mortar Lining (CML), Add	250.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	450.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	187.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	16" x 12" Mechanical Joint Ductile Iron Cross	3,231.02	275.67
		For Cement Mortar Lining (CML), Add	281.34	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	506.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	211.00	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	16" x 14" Mechanical Joint Ductile Iron Cross	3,901.04	294.80
		For Cement Mortar Lining (CML), Add	345.44	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	621.79	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	259.08	
		Note: ANSI/AWWA C151/A21.51		

			Utilities	33	
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0336	EA	16" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,565.76 407.85 734.13 305.89	321.64
33 14 13 13-0337	EA	18" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,519.77 309.45 557.01 232.09	280.69
33 14 13 13-0338	EA	18" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,720.89 327.82 590.07 245.86	292.18
33 14 13 13-0339	EA	18" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,895.86 343.19 617.74 257.39	306.22
33 14 13 13-0340	EA	18" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,222.55 373.93 673.07 280.45	318.98
33 14 13 13-0341	EA	18" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,924.43 441.22 794.19 330.91	338.11
33 14 13 13-0342	EA	18" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,242.42 468.96 844.12 351.72	364.89
33 14 13 13-0343	EA	18" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,491.72 487.32 877.18 365.49	408.19
33 14 13 13-0344	EA	20" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,424.70 389.11 700.40 291.83	352.17
33 14 13 13-0345	EA	20" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,627.67 407.67 733.80 305.75	363.67
33 14 13 13-0346	EA	20" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,770.78 419.85 755.73 314.89	377.72
33 14 13 13-0347	EA	20" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,095.61 450.40 810.72 337.80	390.46
33 14 13 13-0348	EA	20" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,186.45 456.58 821.85 342.44	409.61

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
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33 14 13 13-0349	EA	20" x 16" Mechanical Joint Ductile Iron Cross	6,269.16	436.39
		For Cement Mortar Lining (CML), Add	560.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,009.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	420.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	20" x 18" Mechanical Joint Ductile Iron Cross	6,518.47	479.70
		For Cement Mortar Lining (CML), Add	579.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,042.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	434.37	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	20" x 20" Mechanical Joint Ductile Iron Cross	7,056.02	551.15
		For Cement Mortar Lining (CML), Add	622.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,119.76	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	466.57	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	24" x 6" Mechanical Joint Ductile Iron Cross	6,029.94	440.56
		For Cement Mortar Lining (CML), Add	536.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	965.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	402.18	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	24" x 8" Mechanical Joint Ductile Iron Cross	6,171.40	452.05
		For Cement Mortar Lining (CML), Add	548.61	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	987.50	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	411.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	24" x 10" Mechanical Joint Ductile Iron Cross	6,406.02	466.09
		For Cement Mortar Lining (CML), Add	569.98	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,025.97	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	427.49	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355	EA	24" x 12" Mechanical Joint Ductile Iron Cross	6,609.02	478.84
		For Cement Mortar Lining (CML), Add	588.35	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,059.03	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	441.26	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	24" x 14" Mechanical Joint Ductile Iron Cross	6,729.84	497.97
		For Cement Mortar Lining (CML), Add	597.53	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,075.56	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	448.15	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0357	EA	24" x 16" Mechanical Joint Ductile Iron Cross	6,985.97	524.77
		For Cement Mortar Lining (CML), Add	619.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,114.36	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	464.32	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	24" x 18" Mechanical Joint Ductile Iron Cross	9,227.68	568.07
		For Cement Mortar Lining (CML), Add	836.70	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,506.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	627.52	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	24" x 20" Mechanical Joint Ductile Iron Cross	9,733.36	639.57
		For Cement Mortar Lining (CML), Add	876.43	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,577.58	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	657.32	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	24" x 24" Mechanical Joint Ductile Iron Cross	10,725.70	727.97
		For Cement Mortar Lining (CML), Add	962.28	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,732.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	721.71	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	30" x 8" Mechanical Joint Ductile Iron Cross	11,516.82	585.78
		For Cement Mortar Lining (CML), Add	1,062.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,913.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	797.20	
		Note: ANSI/AWWA C151/A21.51		

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			Water Utilities	33 10	
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33 14 13 13-0362	EA		30" x 10" Mechanical Joint Ductile Iron Cross	11,746.14	599.83
			For Cement Mortar Lining (CML), Add	1,083.73	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,950.72	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	812.80	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363	EA		30" x 12" Mechanical Joint Ductile Iron Cross	11,971.63	612.56
			For Cement Mortar Lining (CML), Add	1,104.35	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,987.83	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	828.26	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA		30" x 14" Mechanical Joint Ductile Iron Cross	12,238.65	631.72
			For Cement Mortar Lining (CML), Add	1,128.15	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,030.68	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	846.11	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA		30" x 16" Mechanical Joint Ductile Iron Cross	12,545.41	658.49
			For Cement Mortar Lining (CML), Add	1,154.77	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,078.58	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	866.08	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA		30" x 18" Mechanical Joint Ductile Iron Cross	12,907.18	701.81
			For Cement Mortar Lining (CML), Add	1,184.38	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,131.89	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	888.29	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA		30" x 20" Mechanical Joint Ductile Iron Cross	13,369.74	773.30
			For Cement Mortar Lining (CML), Add	1,219.81	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,195.65	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	914.86	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA		30" x 24" Mechanical Joint Ductile Iron Cross	17,179.19	861.67
			For Cement Mortar Lining (CML), Add	1,587.36	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,857.25	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,190.52	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA		30" x 30" Mechanical Joint Ductile Iron Cross	19,754.69	995.42
			For Cement Mortar Lining (CML), Add	1,824.65	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	3,284.37	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,368.49	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA		36" x 8" Mechanical Joint Ductile Iron Cross	16,063.64	635.08
			For Cement Mortar Lining (CML), Add	1,510.14	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,718.25	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,132.61	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA		36" x 10" Mechanical Joint Ductile Iron Cross	16,291.08	649.11
			For Cement Mortar Lining (CML), Add	1,530.76	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,755.36	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,148.07	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA		36" x 12" Mechanical Joint Ductile Iron Cross	16,486.59	661.87
			For Cement Mortar Lining (CML), Add	1,548.38	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,787.08	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,161.28	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA		36" x 14" Mechanical Joint Ductile Iron Cross	16,721.74	681.00
			For Cement Mortar Lining (CML), Add	1,568.99	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,824.19	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,176.74	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA		36" x 16" Mechanical Joint Ductile Iron Cross	16,998.51	707.79
			For Cement Mortar Lining (CML), Add	1,592.61	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,866.70	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,194.46	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
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33 14 13 13-0375	EA	36" x 18" Mechanical Joint Ductile Iron Cross	17,328.41	751.09
		For Cement Mortar Lining (CML), Add	1,619.04	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,914.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,214.28	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	36" x 20" Mechanical Joint Ductile Iron Cross	17,760.99	822.59
		For Cement Mortar Lining (CML), Add	1,651.46	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,972.63	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,238.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	36" x 24" Mechanical Joint Ductile Iron Cross	18,513.42	910.97
		For Cement Mortar Lining (CML), Add	1,713.32	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,083.97	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,284.99	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378	EA	36" x 30" Mechanical Joint Ductile Iron Cross	24,927.53	1,044.70
		For Cement Mortar Lining (CML), Add	2,334.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	4,202.04	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,750.85	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0379	EA	36" x 36" Mechanical Joint Ductile Iron Cross	27,386.36	1,094.04
		For Cement Mortar Lining (CML), Add	2,572.88	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	4,631.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,929.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0380	EA	42" x 12" Mechanical Joint Ductile Iron Cross	21,552.96	690.36
		For Cement Mortar Lining (CML), Add	2,050.69	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,691.25	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,538.02	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	42" x 14" Mechanical Joint Ductile Iron Cross	24,366.71	709.51
		For Cement Mortar Lining (CML), Add	2,329.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	4,192.51	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,746.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	42" x 16" Mechanical Joint Ductile Iron Cross	22,044.25	736.29
		For Cement Mortar Lining (CML), Add	2,092.87	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,767.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,569.65	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	42" x 18" Mechanical Joint Ductile Iron Cross	22,336.66	779.60
		For Cement Mortar Lining (CML), Add	2,115.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,807.98	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,586.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	42" x 20" Mechanical Joint Ductile Iron Cross	22,754.26	851.10
		For Cement Mortar Lining (CML), Add	2,146.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,863.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,609.85	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	42" x 24" Mechanical Joint Ductile Iron Cross	23,452.32	939.47
		For Cement Mortar Lining (CML), Add	2,202.89	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,965.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,652.17	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	42" x 30" Mechanical Joint Ductile Iron Cross	30,020.13	1,073.21
		For Cement Mortar Lining (CML), Add	2,839.41	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,110.93	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,129.56	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	42" x 36" Mechanical Joint Ductile Iron Cross	39,194.65	1,122.49
		For Cement Mortar Lining (CML), Add	3,749.39	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	6,748.90	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,812.04	
		Note: ANSI/AWWA C151/A21.51		

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0388	EA	42" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	41,996.84 4,025.29 7,245.52 3,018.97	1,151.01
33 14 13 13-0389	EA	48" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,133.59 2,791.61 5,024.90 2,093.71	803.52
33 14 13 13-0390	EA	48" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,331.28 2,808.48 5,055.27 2,106.36	822.68
33 14 13 13-0391	EA	48" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,596.79 2,830.97 5,095.75 2,123.23	849.45
33 14 13 13-0392	EA	48" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,887.32 2,853.47 5,136.24 2,140.10	892.77
33 14 13 13-0393	EA	48" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,278.68 2,881.77 5,187.18 2,161.33	964.26
33 14 13 13-0394	EA	48" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,946.76 2,935.19 5,283.33 2,201.39	1,052.63
33 14 13 13-0395	EA	48" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,755.67 3,095.81 5,572.47 2,321.86	1,186.37
33 14 13 13-0396	EA	48" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	40,125.22 3,825.30 6,885.54 2,868.98	1,235.66
33 14 13 13-0397	EA	48" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	51,577.38 4,966.20 8,939.16 3,724.65	1,264.17
33 14 13 13-0398	EA	48" x 48" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	54,931.44 5,284.46 9,512.02 3,963.34	1,377.28
33 14 13 13-0399		Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)		
33 14 13 13-0400	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	181.13 10.87 19.57 8.15	47.80

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
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33 14 13 13-0401	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	210.74	59.91
		For Cement Mortar Lining (CML), Add	12.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	21.59	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.00	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	227.85	63.79
		For Cement Mortar Lining (CML), Add	13.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	23.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	288.94	71.87
		For Cement Mortar Lining (CML), Add	17.99	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	32.39	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.49	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	318.41	83.97
		For Cement Mortar Lining (CML), Add	19.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	34.41	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.34	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	348.78	75.56
		For Cement Mortar Lining (CML), Add	23.43	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	42.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.57	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	379.28	87.05
		For Cement Mortar Lining (CML), Add	24.74	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	44.53	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.56	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	415.28	94.70
		For Cement Mortar Lining (CML), Add	27.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	48.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	422.22	83.22
		For Cement Mortar Lining (CML), Add	29.61	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	53.31	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.21	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	469.61	94.70
		For Cement Mortar Lining (CML), Add	32.61	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	58.70	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.46	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	490.60	102.36
		For Cement Mortar Lining (CML), Add	33.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	60.39	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	537.43	109.76
		For Cement Mortar Lining (CML), Add	37.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	66.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	886.17	107.38
		For Cement Mortar Lining (CML), Add	72.35	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	130.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.26	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	860.30	115.04
		For Cement Mortar Lining (CML), Add	68.60	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	123.48	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.45	
		Note: ANSI/AWWA C151/A21.51		

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Water Utility Transmission and Distribution			33 14	

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33 14 13 13-0414	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	770.30 58.48 105.26 43.86	122.43
33 14 13 13-0415	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	810.01 61.29 110.32 45.97	130.09
33 14 13 13-0416	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,040.64 85.09 153.17 63.82	125.20
33 14 13 13-0417	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,020.39 81.91 147.43 61.43	132.86
33 14 13 13-0418	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,001.61 78.91 142.04 59.18	140.26
33 14 13 13-0419	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,086.31 86.22 155.19 64.66	147.93
33 14 13 13-0420	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,208.60 96.53 173.75 72.40	160.59
33 14 13 13-0421	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,298.25 105.15 189.27 78.86	162.86
33 14 13 13-0422	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,455.65 119.77 215.58 89.83	170.26
33 14 13 13-0423	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,403.53 113.40 204.11 85.05	177.92
33 14 13 13-0424	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,488.33 119.96 215.92 89.97	190.59
33 14 13 13-0425	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,567.84 125.21 225.37 93.90	208.42
33 14 13 13-0426	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,832.70 149.57 269.23 112.18	222.42

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
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33 14 13 13-0427	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,757.68	229.81
		For Cement Mortar Lining (CML), Add	140.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	253.71	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	105.71	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,621.22	237.47
		For Cement Mortar Lining (CML), Add	126.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	227.06	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	94.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,631.05	250.14
		For Cement Mortar Lining (CML), Add	125.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	225.37	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	93.90	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,684.30	267.97
		For Cement Mortar Lining (CML), Add	127.83	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	230.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.87	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,020.26	297.96
		For Cement Mortar Lining (CML), Add	156.88	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	282.39	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,382.16	296.83
		For Cement Mortar Lining (CML), Add	193.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	347.84	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	144.93	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,450.11	309.51
		For Cement Mortar Lining (CML), Add	198.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	356.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	148.59	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,503.36	327.33
		For Cement Mortar Lining (CML), Add	200.74	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	361.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.56	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,460.70	357.33
		For Cement Mortar Lining (CML), Add	191.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	345.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	143.95	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,008.27	416.89
		For Cement Mortar Lining (CML), Add	237.66	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	427.80	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.25	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0437	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,917.67	369.52
		For Cement Mortar Lining (CML), Add	435.78	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	784.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	326.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,135.56	399.51
		For Cement Mortar Lining (CML), Add	453.02	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	815.44	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	339.77	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,974.62	459.06
		For Cement Mortar Lining (CML), Add	427.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	770.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	320.93	
		Note: ANSI/AWWA C151/A21.51		

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0440	EA		30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,860.26	518.44
			For Cement Mortar Lining (CML), Add	407.48	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	733.46	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	305.61	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441	EA		36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,375.06	492.09
			For Cement Mortar Lining (CML), Add	662.95	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,193.30	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	497.21	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA		36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,098.63	551.45
			For Cement Mortar Lining (CML), Add	526.31	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	947.36	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	394.73	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA		36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,623.64	593.64
			For Cement Mortar Lining (CML), Add	572.42	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,030.35	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	429.31	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA		42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,589.65	421.01
			For Cement Mortar Lining (CML), Add	895.18	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,611.32	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	671.38	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA		42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,552.63	451.00
			For Cement Mortar Lining (CML), Add	886.93	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,596.47	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	665.20	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA		42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,612.86	510.55
			For Cement Mortar Lining (CML), Add	883.93	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,591.07	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	662.95	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA		42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,728.06	569.93
			For Cement Mortar Lining (CML), Add	986.46	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,775.62	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	739.84	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA		42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,846.44	612.10
			For Cement Mortar Lining (CML), Add	791.90	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,425.42	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	593.93	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA		42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,260.10	645.14
			For Cement Mortar Lining (CML), Add	828.26	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,490.87	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	621.20	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA		48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,921.78	450.44
			For Cement Mortar Lining (CML), Add	1,223.93	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,203.08	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	917.95	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA		48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,528.64	480.44
			For Cement Mortar Lining (CML), Add	1,180.07	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,124.13	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	885.05	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0452	EA		48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,944.11	539.97
			For Cement Mortar Lining (CML), Add	1,112.60	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,002.67	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	834.45	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
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33 14 13 13-0453	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,317.09	599.34
		For Cement Mortar Lining (CML), Add	1,140.90	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,053.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	855.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,718.27	641.52
		For Cement Mortar Lining (CML), Add	1,374.63	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,474.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,030.97	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,892.13	674.56
		For Cement Mortar Lining (CML), Add	1,187.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,136.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	890.26	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,153.40	693.02
		For Cement Mortar Lining (CML), Add	1,310.34	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,358.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	982.75	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0457 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)

33 14 13 13-0458	EA	3" Mechanical Joint Ductile Iron Caps	201.66	100.94
		For Cement Mortar Lining (CML), Add	4.87	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	8.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.65	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA	4" Mechanical Joint Ductile Iron Caps	230.04	118.43
		For Cement Mortar Lining (CML), Add	5.06	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	9.11	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.80	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	6" Mechanical Joint Ductile Iron Caps	314.26	148.03
		For Cement Mortar Lining (CML), Add	9.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	16.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA	8" Mechanical Joint Ductile Iron Caps	406.28	169.20
		For Cement Mortar Lining (CML), Add	15.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	26.99	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.25	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462	EA	10" Mechanical Joint Ductile Iron Caps	576.08	255.27
		For Cement Mortar Lining (CML), Add	18.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	34.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.20	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	12" Mechanical Joint Ductile Iron Caps	704.94	278.47
		For Cement Mortar Lining (CML), Add	28.30	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	50.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.23	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	14" Mechanical Joint Ductile Iron Caps	893.34	306.32
		For Cement Mortar Lining (CML), Add	42.92	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	77.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.19	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465	EA	16" Mechanical Joint Ductile Iron Caps	1,091.11	340.32
		For Cement Mortar Lining (CML), Add	57.54	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	103.58	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.16	
		Note: ANSI/AWWA C151/A21.51		

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0466	EA	18" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,283.02 70.29 126.52 52.72	382.90
33 14 13 13-0467	EA	20" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,572.08 90.91 163.63 68.18	437.55
33 14 13 13-0468	EA	24" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,021.83 124.83 224.69 93.62	510.53
33 14 13 13-0469	EA	30" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,782.83 285.46 513.83 214.09	612.64
33 14 13 13-0470	EA	36" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,352.17 519.19 934.54 389.39	765.80
33 14 13 13-0471	EA	42" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,266.37 787.40 1,417.32 590.55	918.95
33 14 13 13-0472	EA	48" Mechanical Joint Ductile Iron Caps For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,034.87 948.78 1,707.81 711.59	1,021.06
33 14 13 13-0473 Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)				
33 14 13 13-0474	EA	3" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	209.16 5.62 10.12 4.22	100.94
33 14 13 13-0475	EA	4" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	241.28 6.19 11.13 4.64	118.43
33 14 13 13-0476	EA	6" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	344.25 12.00 21.59 9.00	148.03
33 14 13 13-0477	EA	8" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	436.26 17.99 32.39 13.49	169.20
33 14 13 13-0478	EA	10" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	697.90 31.11 56.01 23.34	255.27

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST
33 14 13 13-0479	EA	12" Mechanical Joint Ductile Iron Plug.....	738.68	278.47		
		For Cement Mortar Lining (CML), Add	31.68			
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add	57.02			
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.76			
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0480	EA	14" Mechanical Joint Ductile Iron Plug.....	1,108.89	306.32		
		For Cement Mortar Lining (CML), Add	64.48			
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add	116.06			
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.36			
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0481	EA	16" Mechanical Joint Ductile Iron Plug.....	598.16	340.32		
		For Cement Mortar Lining (CML), Add	8.25			
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add	14.84			
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.19			
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0482	EA	18" Mechanical Joint Ductile Iron Plug.....	1,603.53	382.90		
		For Cement Mortar Lining (CML), Add	102.34			
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add	184.21			
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.75			
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0483	EA	20" Mechanical Joint Ductile Iron Plug.....	2,008.79	437.55		
		For Cement Mortar Lining (CML), Add	134.58			
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add	242.24			
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	100.93			
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0484	EA	24" Mechanical Joint Ductile Iron Plug.....	2,640.35	510.53		
		For Cement Mortar Lining (CML), Add	186.68			
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add	336.03			
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	140.01			
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0485	EA	30" Mechanical Joint Ductile Iron Plug.....	4,633.77	612.64		
		For Cement Mortar Lining (CML), Add	370.55			
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add	667.00			
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	277.91			
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0486	EA	36" Mechanical Joint Ductile Iron Plug.....	6,884.47	765.80		
		For Cement Mortar Lining (CML), Add	572.42			
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add	1,030.35			
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	429.31			
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0487	EA	42" Mechanical Joint Ductile Iron Plug.....	9,333.84	918.95		
		For Cement Mortar Lining (CML), Add	794.15			
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add	1,429.47			
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	595.61			
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0488	EA	48" Mechanical Joint Ductile Iron Plug.....	12,133.22	1,021.06		
		For Cement Mortar Lining (CML), Add	1,058.62			
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add	1,905.51			
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	793.96			
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0489		Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0002)				
33 14 13 13-0490	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	354.28	153.42		
		For Cement Mortar Lining (CML), Add	12.18			
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add	21.93			
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.14			
		Note: ANSI/AWWA C151/A21.51				
33 14 13 13-0491	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	400.36	177.64		
		For Cement Mortar Lining (CML), Add	13.12			
		Note: ANSI/AWWA C104/A21.4				
		For Fusion Bonded Epoxy Lining (206N), Add	23.62			
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.84			
		Note: ANSI/AWWA C151/A21.51				

			Utilities	33	
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0492	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	518.25	222.05
		For Cement Mortar Lining (CML), Add	18.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	32.73	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.64	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	660.03	253.74
		For Cement Mortar Lining (CML), Add	27.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	49.59	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,059.98	382.90
		For Cement Mortar Lining (CML), Add	47.98	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	86.37	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.99	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,247.67	417.71
		For Cement Mortar Lining (CML), Add	61.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	110.66	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.11	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0496	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,672.70	459.48
		For Cement Mortar Lining (CML), Add	97.65	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	175.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	73.24	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,888.75	510.53
		For Cement Mortar Lining (CML), Add	111.52	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	200.74	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.64	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,575.85	574.35
		For Cement Mortar Lining (CML), Add	170.56	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	307.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	127.92	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,026.30	656.38
		For Cement Mortar Lining (CML), Add	203.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	365.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	152.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0500	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,662.52	765.80
		For Cement Mortar Lining (CML), Add	250.22	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	450.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	187.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0501	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,997.55	918.95
		For Cement Mortar Lining (CML), Add	460.52	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	828.94	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	345.39	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0502	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	8,339.92	1,148.69
		For Cement Mortar Lining (CML), Add	659.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,187.91	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	494.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0503	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	11,190.12	1,312.76
		For Cement Mortar Lining (CML), Add	920.10	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,656.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	690.08	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0504	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	13,843.91	1,531.59
		For Cement Mortar Lining (CML), Add	1,152.33	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,074.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	864.25	
		Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
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33 14 13 13-0505	Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)		
33 14 13 13-0506	EA 3" Mechanical Joint Ductile Iron Long Sleeves	335.54	153.42
	For Cement Mortar Lining (CML), Add	10.31	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	18.56	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.73	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0507	EA 4" Mechanical Joint Ductile Iron Long Sleeves	390.99	177.64
	For Cement Mortar Lining (CML), Add	12.18	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	21.93	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.14	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0508	EA 6" Mechanical Joint Ductile Iron Long Sleeves	540.74	222.05
	For Cement Mortar Lining (CML), Add	20.43	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	36.77	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.32	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0509	EA 8" Mechanical Joint Ductile Iron Long Sleeves	720.01	253.74
	For Cement Mortar Lining (CML), Add	33.55	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	60.39	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.16	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0510	EA 10" Mechanical Joint Ductile Iron Long Sleeves	979.38	382.90
	For Cement Mortar Lining (CML), Add	39.92	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	71.86	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.94	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0511	EA 12" Mechanical Joint Ductile Iron Long Sleeves	1,172.69	417.71
	For Cement Mortar Lining (CML), Add	53.98	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	97.16	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.49	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0512	EA 14" Mechanical Joint Ductile Iron Long Sleeves	1,511.51	459.48
	For Cement Mortar Lining (CML), Add	81.53	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	146.76	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	61.15	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0513	EA 16" Mechanical Joint Ductile Iron Long Sleeves	1,806.28	510.53
	For Cement Mortar Lining (CML), Add	103.28	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	185.90	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	77.46	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0514	EA 18" Mechanical Joint Ductile Iron Long Sleeves	2,191.62	574.35
	For Cement Mortar Lining (CML), Add	132.14	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	237.85	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.11	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0515	EA 20" Mechanical Joint Ductile Iron Long Sleeves	2,589.59	656.38
	For Cement Mortar Lining (CML), Add	159.51	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	287.11	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	119.63	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0516	EA 24" Mechanical Joint Ductile Iron Long Sleeves	3,261.41	765.80
	For Cement Mortar Lining (CML), Add	210.11	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	378.20	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	157.58	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0517	EA 30" Mechanical Joint Ductile Iron Long Sleeves	5,793.25	918.95
	For Cement Mortar Lining (CML), Add	440.09	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	792.16	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	330.07	
	Note: ANSI/AWWA C151/A21.51		

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33 14 13 13-0518	EA	36" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,920.07 617.96 1,112.33 463.47	1,148.69
33 14 13 13-0519	EA	42" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,252.56 826.58 1,487.84 619.93	1,311.25
33 14 13 13-0520	EA	48" Mechanical Joint Ductile Iron Long Sleeves For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,932.00 1,161.14 2,090.05 870.86	1,531.59
33 14 13 13-0521		Mechanical Joint Ductile Iron Gland Packs (33 14 13 13-0002) Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0522		Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0521) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0523	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	37.49	
33 14 13 13-0524	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	34.14	
33 14 13 13-0525	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	41.25	
33 14 13 13-0526	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	48.36	
33 14 13 13-0527	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	66.85	
33 14 13 13-0528	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	71.12	
33 14 13 13-0529	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	116.64	
33 14 13 13-0530	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	123.75	
33 14 13 13-0531	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	165.00	
33 14 13 13-0532	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	213.36	
33 14 13 13-0533	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	297.28	
33 14 13 13-0534	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	709.78	
33 14 13 13-0535	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,530.50	
33 14 13 13-0536	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,234.59	
33 14 13 13-0537	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	2,742.39	
33 14 13 13-0538		Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts (33 14 13 13-0521) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0539	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	63.73	
33 14 13 13-0540	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	48.36	
33 14 13 13-0541	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	61.16	
33 14 13 13-0542	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	66.85	
33 14 13 13-0543	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	92.46	
33 14 13 13-0544	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	96.72	
33 14 13 13-0545	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	146.51	
33 14 13 13-0546	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	160.73	
33 14 13 13-0547	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	213.36	
33 14 13 13-0548	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	275.95	
33 14 13 13-0549	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	385.47	
33 14 13 13-0550		Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts (33 14 13 13-0521) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0551	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	41.24	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
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33 14 13 13-0552	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	36.98	
		Note: Includes four (4) 3/4" diameter plain finish bolts with nut.		
33 14 13 13-0553	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	44.09	
		Note: Includes six (6) 3/4" diameter plain finish bolts with nut.		
33 14 13 13-0554	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	52.63	
		Note: Includes six (6) 3/4" diameter plain finish bolts with nut.		
33 14 13 13-0555	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	72.54	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.		
33 14 13 13-0556	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	76.81	
		Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.		
33 14 13 13-0557	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	126.59	
		Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.		
33 14 13 13-0558	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	133.71	
		Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.		
33 14 13 13-0559	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	180.64	
		Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.		
33 14 13 13-0560	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	231.85	
		Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.		
33 14 13 13-0561	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	324.31	
		Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.		
33 14 13 13-0562	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	776.63	
		Note: Includes twenty (20) 1" diameter plain finish bolts with nut.		
33 14 13 13-0563	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,721.10	
		Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.		
33 14 13 13-0564	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,492.04	
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.		
33 14 13 13-0565	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	3,066.69	
		Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.		

33 14 13 13-0566 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe
(MEGALUG® 1100DEC Series) (33 14 13 13-0002)

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-0567	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	212.99	76.95
33 14 13 13-0568	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	242.81	91.14
33 14 13 13-0569	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	301.22	112.80
33 14 13 13-0570	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	376.27	131.64
33 14 13 13-0571	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	542.82	191.44
33 14 13 13-0572	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	670.33	218.83
33 14 13 13-0573	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	781.81	235.54
33 14 13 13-0574	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	965.72	255.27
33 14 13 13-0575	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	1,240.54	306.32
33 14 13 13-0576	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	1,465.59	340.20
33 14 13 13-0577	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,906.44	392.53
33 14 13 13-0578	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	3,719.87	470.73
33 14 13 13-0579	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	4,593.15	589.08
33 14 13 13-0580	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	6,791.00	679.70
33 14 13 13-0581	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	8,696.39	874.17

33 14 13 13-0582 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint
(FLEX-TEND®) (33 14 13 13-0002)

33 14 13 13-0583	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,637.20	62.98
33 14 13 13-0584	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,827.60	78.72
33 14 13 13-0585	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	7,005.11	116.34
33 14 13 13-0586	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	9,521.10	138.00
33 14 13 13-0587	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	12,002.64	152.81
33 14 13 13-0588	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	16,010.78	179.26
33 14 13 13-0589	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	19,724.81	201.02
33 14 13 13-0590	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	23,336.00	229.74
33 14 13 13-0591	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	26,304.61	321.64
33 14 13 13-0592	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	35,390.22	402.04
33 14 13 13-0593	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	49,038.86	536.06

33 14 13 13-0594 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series) (33 14 13 13-0002)

Note: Includes machined bolts and gasket.

33 14 13 13-0595	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM).....	211.43	76.95
33 14 13 13-0596	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM).....	271.67	91.14
33 14 13 13-0597	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM).....	351.27	112.80
33 14 13 13-0598	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM).....	400.81	131.64
33 14 13 13-0599	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....	704.97	201.86
33 14 13 13-0600	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....	797.78	230.74

33 14 13 13-0601 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) (33 14 13 13-0002)

Note: Includes nuts, bolts and gasket.

33 14 13 13-0602	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300).....	309.47	76.95
33 14 13 13-0603	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400).....	385.10	91.14
33 14 13 13-0604	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600).....	533.65	112.80
33 14 13 13-0605	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800).....	772.70	131.64
33 14 13 13-0606	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000).....	1,119.03	201.86

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0607	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,392.08	230.74
33 14 13 13-0608	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	2,148.79	248.35
33 14 13 13-0609	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	3,014.30	269.16
33 14 13 13-0610	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	3,408.71	322.98
33 14 13 13-0611	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,765.30	358.71
33 14 13 13-0612	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	4,555.85	413.88
33 14 13 13-0613	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	5,862.67	496.34
33 14 13 13-0614	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	8,760.98	621.13
33 14 13 13-0615	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	22,884.81	716.67
33 14 13 13-0616	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	29,312.03	921.72
33 14 13 13-0617 Mechanical Joint x Restrained Plain End Ductile Iron Flexible Ball Joint (33 14 13 13-0002)				
Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.				
33 14 13 13-0618	EA	4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,256.74	118.43
33 14 13 13-0619	EA	6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,996.04	148.03
33 14 13 13-0620	EA	8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,646.16	169.20
33 14 13 13-0621	EA	10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	3,655.91	255.27
33 14 13 13-0622	EA	12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	4,779.46	278.47
33 14 13 13-0623	EA	14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	5,535.19	306.32
33 14 13 13-0624	EA	16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	6,152.57	340.32
33 14 13 13-0625	EA	18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	8,799.79	382.90
33 14 13 13-0626	EA	20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	8,992.20	437.55
33 14 13 13-0627	EA	24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	15,706.35	510.53
33 14 13 13-0628	EA	30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	54,953.38	612.64
33 14 13 13-0629	EA	36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	78,021.06	765.80
33 14 13 13-0630 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)				
See CSI section 33 14 13 13-0521 for bolts and gaskets.				
33 14 13 13-0631 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0630)				
33 14 13 13-0632	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	465.78	43.92
33 14 13 13-0633	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	557.47	52.61
33 14 13 13-0634	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	865.30	77.08
33 14 13 13-0635	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,183.46	91.75
33 14 13 13-0636	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,623.78	102.11
33 14 13 13-0637	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,059.07	119.52
33 14 13 13-0638	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,928.30	134.59
33 14 13 13-0639	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,553.36	153.16
33 14 13 13-0640	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,292.78	214.65
33 14 13 13-0641	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,350.54	268.03
33 14 13 13-0642	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,565.79	357.37
33 14 13 13-0643	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,120.34	382.90
33 14 13 13-0644	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	17,857.22	397.99
33 14 13 13-0645	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	29,427.63	459.48
33 14 13 13-0646	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	38,498.80	488.49
33 14 13 13-0647 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0630)				
33 14 13 13-0648	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	445.16	43.92
33 14 13 13-0649	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	521.86	52.61
33 14 13 13-0650	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	803.45	77.08
33 14 13 13-0651	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,087.87	91.75
33 14 13 13-0652	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,421.35	102.11
33 14 13 13-0653	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,877.26	119.52
33 14 13 13-0654	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,538.44	134.59
33 14 13 13-0655	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,039.79	153.16
33 14 13 13-0656	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,593.65	214.65
33 14 13 13-0657	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,362.77	268.03
33 14 13 13-0658	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,749.58	357.37
33 14 13 13-0659	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,589.02	382.90
33 14 13 13-0660	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	14,646.51	397.99
33 14 13 13-0661	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	21,769.16	459.48
33 14 13 13-0662	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	27,871.40	488.49
33 14 13 13-0663 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0630)				
33 14 13 13-0664	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	345.82	43.92
33 14 13 13-0665	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	516.24	52.61
33 14 13 13-0666	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	780.96	77.08
33 14 13 13-0667	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,080.37	91.75
33 14 13 13-0668	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,419.48	102.11
33 14 13 13-0669	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,768.55	119.52
33 14 13 13-0670	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,553.44	134.59
33 14 13 13-0671	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,972.32	153.16
33 14 13 13-0672	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,576.79	214.65

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0673	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,518.34	268.03
33 14 13 13-0674	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,625.87	357.37
33 14 13 13-0675	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,421.32	382.90
33 14 13 13-0676	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	12,865.91	397.99
33 14 13 13-0677	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	18,416.00	459.48
33 14 13 13-0678	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	23,584.83	488.49

33 14 13 13-0679 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow

(33 14 13 13-0630)

33 14 13 13-0680	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	345.82	43.92
33 14 13 13-0681	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	619.32	52.61
33 14 13 13-0682	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	788.46	77.08
33 14 13 13-0683	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,046.63	91.75
33 14 13 13-0684	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,415.73	102.11
33 14 13 13-0685	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,717.94	119.52
33 14 13 13-0686	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,750.24	134.59
33 14 13 13-0687	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,064.16	153.16
33 14 13 13-0688	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,109.09	214.65
33 14 13 13-0689	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,357.15	268.03
33 14 13 13-0690	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,627.74	357.37
33 14 13 13-0691	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,545.02	382.90
33 14 13 13-0692	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	12,511.66	397.99
33 14 13 13-0693	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	17,909.93	459.48
33 14 13 13-0694	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	23,449.88	488.49

33 14 13 13-0695 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow

(33 14 13 13-0630)

33 14 13 13-0696	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	407.68	43.92
33 14 13 13-0697	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	600.58	52.61
33 14 13 13-0698	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	936.53	77.08
33 14 13 13-0699	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,273.42	91.75
33 14 13 13-0700	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,754.98	102.11
33 14 13 13-0701	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,203.39	119.52
33 14 13 13-0702	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,964.80	134.59
33 14 13 13-0703	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,190.52	153.16
33 14 13 13-0704	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,072.39	214.65
33 14 13 13-0705	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,150.77	268.03
33 14 13 13-0706	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,810.34	357.37

33 14 13 13-0707 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow

(33 14 13 13-0630)

33 14 13 13-0708	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	407.68	43.92
33 14 13 13-0709	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	529.36	52.61
33 14 13 13-0710	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	833.44	77.08
33 14 13 13-0711	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,179.71	91.75
33 14 13 13-0712	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,565.69	102.11
33 14 13 13-0713	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,038.45	119.52
33 14 13 13-0714	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,718.37	134.59
33 14 13 13-0715	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,266.58	153.16
33 14 13 13-0716	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,116.49	214.65
33 14 13 13-0717	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,415.15	268.03
33 14 13 13-0718	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,677.36	357.37

33 14 13 13-0719 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee

(33 14 13 13-0630)

33 14 13 13-0720	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	574.03	65.90
33 14 13 13-0721	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	626.12	74.28
33 14 13 13-0722	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	661.00	77.08
33 14 13 13-0723	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	942.74	97.70

MINOR CSI UOM DESCRIPTION			TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0724	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,021.95	101.54
33 14 13 13-0725	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,077.79	113.77
33 14 13 13-0726	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,254.49	117.45
33 14 13 13-0727	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,357.18	129.69
33 14 13 13-0728	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,493.14	138.24
33 14 13 13-0729	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,685.66	126.47
33 14 13 13-0730	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,682.45	138.08
33 14 13 13-0731	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,823.39	146.20
33 14 13 13-0732	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,967.68	153.16
33 14 13 13-0733	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,029.38	141.56
33 14 13 13-0734	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,046.77	153.16
33 14 13 13-0735	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,213.95	161.29
33 14 13 13-0736	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,553.17	168.24
33 14 13 13-0737	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,559.15	176.36
33 14 13 13-0738	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,900.51	178.69
33 14 13 13-0739	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,138.91	186.80
33 14 13 13-0740	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,811.75	193.77
33 14 13 13-0741	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,023.91	201.89
33 14 13 13-0742	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,726.35	214.65
33 14 13 13-0743	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,469.88	214.65
33 14 13 13-0744	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,657.79	221.62
33 14 13 13-0745	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,390.60	229.74
33 14 13 13-0746	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,117.30	236.70
33 14 13 13-0747	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,375.44	249.47
33 14 13 13-0748	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,860.77	268.03
33 14 13 13-0749	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,556.13	275.00
33 14 13 13-0750	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,805.80	281.96
33 14 13 13-0751	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,122.52	288.92
33 14 13 13-0752	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,415.26	297.04
33 14 13 13-0753	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,563.80	309.80
33 14 13 13-0754	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,945.06	327.20
33 14 13 13-0755	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,637.15	357.37
33 14 13 13-0756	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,233.28	393.35
33 14 13 13-0757	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,321.75	401.46
33 14 13 13-0758	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,850.27	408.42
33 14 13 13-0759	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,139.27	416.55
33 14 13 13-0760	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,199.71	429.31
33 14 13 13-0761	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,119.89	446.72
33 14 13 13-0762	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,829.72	476.89
33 14 13 13-0763	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,667.91	536.06
33 14 13 13-0764	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,350.34	511.70
33 14 13 13-0765	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,410.68	520.98
33 14 13 13-0766	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,526.85	526.77
33 14 13 13-0767	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,699.64	534.90
33 14 13 13-0768	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,624.14	547.66
33 14 13 13-0769	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,952.93	565.07
33 14 13 13-0770	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,793.97	595.24
33 14 13 13-0771	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,109.12	655.57
33 14 13 13-0772	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,477.45	714.74
33 14 13 13-0773	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,133.98	596.39
33 14 13 13-0774	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,598.29	604.52
33 14 13 13-0775	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,203.67	611.48
33 14 13 13-0776	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,811.30	619.60
33 14 13 13-0777	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,673.93	632.37
33 14 13 13-0778	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,604.38	841.22
33 14 13 13-0779	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,541.12	679.93
33 14 13 13-0780	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,520.76	739.11
33 14 13 13-0781	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,084.90	798.28
33 14 13 13-0782	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,821.60	841.22
33 14 13 13-0783	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,487.48	670.65
33 14 13 13-0784	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,859.45	677.61
33 14 13 13-0785	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,600.16	685.74
33 14 13 13-0786	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,123.54	698.50
33 14 13 13-0787	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,649.13	715.91
33 14 13 13-0788	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,661.73	746.08
33 14 13 13-0789	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,720.99	805.25
33 14 13 13-0790	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,529.67	864.43
33 14 13 13-0791	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,932.75	939.84
33 14 13 13-0792	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	24,127.91	939.84
33 14 13 13-0793	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	27,503.59	722.87
33 14 13 13-0794	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,056.97	734.47
33 14 13 13-0795	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,861.72	753.04
33 14 13 13-0796	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,184.36	783.20
33 14 13 13-0797	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,274.59	842.37
33 14 13 13-0798	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,160.54	901.55
33 14 13 13-0799	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,679.92	944.48
33 14 13 13-0800	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,788.65	976.97
33 14 13 13-0801	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	38,780.92	995.53
33 14 13 13-0802	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	32,079.86	780.88
33 14 13 13-0803	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	32,655.73	793.64
33 14 13 13-0804	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,473.72	812.21
33 14 13 13-0805	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	34,304.50	841.22
33 14 13 13-0806	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,185.69	901.55
33 14 13 13-0807	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,380.60	960.72
33 14 13 13-0808	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	37,991.72	1,002.50

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-0809	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,531.36	1,036.15
33 14 13 13-0810	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	38,311.52	1,054.71
33 14 13 13-0811	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	51,073.36	1,083.72

33 14 13 13-0812 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals)

(33 14 13 13-0630)

33 14 13 13-0813	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	643.89	73.64
33 14 13 13-0814	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	709.49	73.64
33 14 13 13-0815	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	833.44	77.08
33 14 13 13-0816	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	918.38	97.70
33 14 13 13-0817	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,025.70	101.54
33 14 13 13-0818	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,255.85	113.77
33 14 13 13-0819	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,653.72	117.45
33 14 13 13-0820	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,522.12	129.69
33 14 13 13-0821	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,712.43	138.24
33 14 13 13-0822	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,433.52	126.47
33 14 13 13-0823	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,533.39	138.08
33 14 13 13-0824	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,835.53	146.20
33 14 13 13-0825	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,096.02	153.16
33 14 13 13-0826	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,972.16	141.56
33 14 13 13-0827	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,371.92	153.16
33 14 13 13-0828	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,994.55	161.29
33 14 13 13-0829	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,996.39	168.24
33 14 13 13-0830	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,683.75	176.36
33 14 13 13-0831	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,384.97	178.69
33 14 13 13-0832	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,045.10	186.80
33 14 13 13-0833	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,658.84	193.77
33 14 13 13-0834	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,142.78	201.89
33 14 13 13-0835	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,955.80	214.65
33 14 13 13-0836	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,558.96	214.65
33 14 13 13-0837	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,039.16	221.62
33 14 13 13-0838	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,989.39	229.74
33 14 13 13-0839	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,179.05	236.70
33 14 13 13-0840	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,663.98	249.47
33 14 13 13-0841	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,241.16	268.03
33 14 13 13-0842	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,467.94	275.00
33 14 13 13-0843	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,980.01	281.96
33 14 13 13-0844	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,474.79	288.92
33 14 13 13-0845	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,011.20	297.04
33 14 13 13-0846	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,090.39	309.80
33 14 13 13-0847	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,179.25	327.20
33 14 13 13-0848	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,398.12	357.37
33 14 13 13-0849	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,598.67	393.35
33 14 13 13-0850	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,765.87	401.46
33 14 13 13-0851	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,564.28	408.42
33 14 13 13-0852	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,355.60	416.55
33 14 13 13-0853	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,440.41	429.31
33 14 13 13-0854	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,538.64	446.72
33 14 13 13-0855	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,094.79	476.89
33 14 13 13-0856	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,420.29	536.06
33 14 13 13-0857	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,201.18	511.70
33 14 13 13-0858	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,319.62	519.81
33 14 13 13-0859	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,432.93	526.77
33 14 13 13-0860	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,937.48	534.90
33 14 13 13-0861	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,701.67	547.66
33 14 13 13-0862	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,158.80	565.07
33 14 13 13-0863	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,881.77	595.24
33 14 13 13-0864	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,448.96	655.57
33 14 13 13-0865	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,340.32	714.74
33 14 13 13-0866	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,489.70	596.39
33 14 13 13-0867	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	21,919.18	604.52
33 14 13 13-0868	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,221.81	611.48
33 14 13 13-0869	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,526.69	619.60
33 14 13 13-0870	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	26,375.21	632.37
33 14 13 13-0871	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	26,360.90	649.77
33 14 13 13-0872	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,062.36	679.93
33 14 13 13-0873	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,069.13	739.11
33 14 13 13-0874	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,480.47	798.28
33 14 13 13-0875	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,145.94	841.22
33 14 13 13-0876	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	37,718.91	685.74
33 14 13 13-0877	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,213.19	698.50
33 14 13 13-0878	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	40,696.56	715.91
33 14 13 13-0879	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	43,562.86	746.08
33 14 13 13-0880	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	46,485.19	805.25
33 14 13 13-0881	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	51,594.55	864.43
33 14 13 13-0882	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	57,864.35	907.35
33 14 13 13-0883	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,210.93	939.84
33 14 13 13-0884	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,885.30	842.37
33 14 13 13-0885	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,364.12	901.55
33 14 13 13-0886	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	66,637.76	944.48
33 14 13 13-0887	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	76,316.18	976.97
33 14 13 13-0888	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	90,182.27	995.53
33 14 13 13-0889	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	59,988.57	901.55
33 14 13 13-0890	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	68,006.89	960.72

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0891	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,503.58	1,002.50
33 14 13 13-0892	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	82,764.91	1,036.15
33 14 13 13-0893	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	108,542.29	1,054.71
33 14 13 13-0894	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	119,246.13	1,083.72
33 14 13 13-0895 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee (33 14 13 13-0630)				
33 14 13 13-0896	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,147.14	113.77
33 14 13 13-0897	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,428.41	129.69
33 14 13 13-0898	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,057.31	138.08
33 14 13 13-0899	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,369.15	153.16
33 14 13 13-0900	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,138.55	178.69
33 14 13 13-0901	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,824.23	214.65
33 14 13 13-0902	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,509.27	275.00
33 14 13 13-0903	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	6,056.10	393.35
33 14 13 13-0904	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	7,061.06	511.70
33 14 13 13-0905	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	12,893.96	596.39
33 14 13 13-0906 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross (33 14 13 13-0630)				
33 14 13 13-0907	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	637.30	87.85
33 14 13 13-0908	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	799.00	95.59
33 14 13 13-0909	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,003.38	96.65
33 14 13 13-0910	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,060.61	119.82
33 14 13 13-0911	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,243.48	129.69
33 14 13 13-0912	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,369.28	161.49
33 14 13 13-0913	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,319.97	141.91
33 14 13 13-0914	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,554.46	173.72
33 14 13 13-0915	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,535.34	185.96
33 14 13 13-0916	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,555.12	148.52
33 14 13 13-0917	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,740.23	178.69
33 14 13 13-0918	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,072.53	190.29
33 14 13 13-0919	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,245.63	204.21
33 14 13 13-0920	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	2,005.52	161.29
33 14 13 13-0921	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,319.96	191.44
33 14 13 13-0922	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,519.19	203.06
33 14 13 13-0923	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,943.46	216.98
33 14 13 13-0924	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,365.75	229.74
33 14 13 13-0925	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,486.67	210.01
33 14 13 13-0926	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,141.36	221.62
33 14 13 13-0927	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,239.50	236.70
33 14 13 13-0928	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,474.34	248.30
33 14 13 13-0929	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,960.68	268.03
33 14 13 13-0930	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,902.12	237.87
33 14 13 13-0931	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,470.58	248.30
33 14 13 13-0932	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,400.91	263.39
33 14 13 13-0933	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,044.38	276.15
33 14 13 13-0934	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,353.54	294.72
33 14 13 13-0935	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,671.51	321.41
33 14 13 13-0936	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,771.72	280.79
33 14 13 13-0937	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,165.89	292.39
33 14 13 13-0938	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,502.05	306.32
33 14 13 13-0939	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,153.00	319.09
33 14 13 13-0940	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,561.50	337.65
33 14 13 13-0941	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,170.01	364.33
33 14 13 13-0942	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,612.36	408.42
33 14 13 13-0943	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,514.46	352.73
33 14 13 13-0944	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,912.36	363.18
33 14 13 13-0945	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,182.93	378.26
33 14 13 13-0946	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,828.27	391.02
33 14 13 13-0947	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,984.71	409.59
33 14 13 13-0948	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,162.02	436.27
33 14 13 13-0949	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,604.39	479.21
33 14 13 13-0950	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,593.65	551.15
33 14 13 13-0951	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,666.02	440.91
33 14 13 13-0952	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,936.81	452.52
33 14 13 13-0953	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,396.34	466.44
33 14 13 13-0954	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,792.40	479.21
33 14 13 13-0955	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,008.81	497.77
33 14 13 13-0956	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,491.73	524.45
33 14 13 13-0957	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,020.12	568.54
33 14 13 13-0958	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,943.77	639.33
33 14 13 13-0959	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,839.53	727.51

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-0960	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,127.55	585.95
33 14 13 13-0961	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,486.19	599.88
33 14 13 13-0962	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,839.14	612.64
33 14 13 13-0963	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,254.23	631.20
33 14 13 13-0964	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,727.80	659.05
33 14 13 13-0965	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,273.26	701.98
33 14 13 13-0966	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,955.12	772.76
33 14 13 13-0967	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,051.23	862.10
33 14 13 13-0968	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	31,101.83	995.53
33 14 13 13-0969	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,455.85	634.69
33 14 13 13-0970	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,810.75	648.61
33 14 13 13-0971	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,116.84	661.37
33 14 13 13-0972	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,479.45	681.10
33 14 13 13-0973	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,902.41	707.78
33 14 13 13-0974	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,397.25	750.72
33 14 13 13-0975	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,032.27	822.65
33 14 13 13-0976	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,168.93	910.84
33 14 13 13-0977	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,446.01	1,044.27
33 14 13 13-0978	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	43,387.42	1,094.16
33 14 13 13-0979	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	34,305.83	690.38
33 14 13 13-0980	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,018.94	708.95
33 14 13 13-0981	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,428.77	736.79
33 14 13 13-0982	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,994.83	779.72
33 14 13 13-0983	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,017.84	851.66
33 14 13 13-0984	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,200.36	939.84
33 14 13 13-0985	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,678.10	1,073.28
33 14 13 13-0986	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	62,513.06	1,122.01
33 14 13 13-0987	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	67,030.25	1,151.01
33 14 13 13-0988	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,495.42	804.09
33 14 13 13-0989	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,798.07	822.65
33 14 13 13-0990	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,202.28	849.34
33 14 13 13-0991	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,633.38	892.27
33 14 13 13-0992	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,200.93	964.21
33 14 13 13-0993	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,200.76	1,052.39
33 14 13 13-0994	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	52,008.69	1,185.82
33 14 13 13-0995	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	63,915.96	1,235.72
33 14 13 13-0996	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	82,462.43	1,264.72
33 14 13 13-0997	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	87,795.76	1,377.28

33 14 13 13-0998 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers

(33 14 13 13-0630)

33 14 13 13-0999	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	456.66	47.80
33 14 13 13-1000	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	639.96	59.91
33 14 13 13-1001	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	703.93	63.62
33 14 13 13-1002	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	926.21	72.19
33 14 13 13-1003	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	961.30	84.41
33 14 13 13-1004	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,135.99	75.41
33 14 13 13-1005	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,187.11	87.03
33 14 13 13-1006	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,234.35	95.14
33 14 13 13-1007	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,314.40	83.54
33 14 13 13-1008	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,453.63	95.14
33 14 13 13-1009	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,476.50	102.11
33 14 13 13-1010	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,542.06	110.23
33 14 13 13-1011	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,282.54	107.90
33 14 13 13-1012	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,294.16	114.87
33 14 13 13-1013	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,992.35	122.99
33 14 13 13-1014	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,032.07	129.95
33 14 13 13-1015	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,736.90	125.31
33 14 13 13-1016	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,652.92	133.44
33 14 13 13-1017	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,487.94	140.39
33 14 13 13-1018	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,456.44	147.36
33 14 13 13-1019	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,779.29	160.12
33 14 13 13-1020	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,970.15	162.44

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1021	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,352.46	170.57
33 14 13 13-1022	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,199.13	177.52
33 14 13 13-1023	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,829.36	190.29
33 14 13 13-1024	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,344.69	208.85
33 14 13 13-1025	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,954.43	222.78
33 14 13 13-1026	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,984.37	229.74
33 14 13 13-1027	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,613.62	237.87
33 14 13 13-1028	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,608.45	250.62
33 14 13 13-1029	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,515.51	268.03
33 14 13 13-1030	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,162.60	298.20
33 14 13 13-1031	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,978.10	297.04
33 14 13 13-1032	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,049.79	309.80
33 14 13 13-1033	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,136.78	327.20
33 14 13 13-1034	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,051.01	357.37
33 14 13 13-1035	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,825.37	416.55
33 14 13 13-1036	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,118.03	368.97
33 14 13 13-1037	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,502.73	399.14
33 14 13 13-1038	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,139.36	459.48
33 14 13 13-1039	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,718.60	518.66
33 14 13 13-1040	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,025.25	491.97
33 14 13 13-1041	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,157.42	551.15
33 14 13 13-1042	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,911.10	594.07
33 14 13 13-1043	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,857.28	421.19
33 14 13 13-1044	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,745.29	451.36
33 14 13 13-1045	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,777.40	510.53
33 14 13 13-1046	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	18,465.25	569.71
33 14 13 13-1047	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,057.94	612.64
33 14 13 13-1048	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,756.49	645.12
33 14 13 13-1049	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	22,522.05	450.19
33 14 13 13-1050	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	21,784.03	480.36
33 14 13 13-1051	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,670.95	539.54
33 14 13 13-1052	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	21,265.09	599.88
33 14 13 13-1053	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	25,499.36	641.65
33 14 13 13-1054	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	22,025.69	674.14
33 14 13 13-1055	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	24,235.37	692.70
33 14 13 13-1056		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps (33 14 13 13-0630)		
33 14 13 13-1057	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	409.71	100.94
33 14 13 13-1058	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	494.32	118.68
33 14 13 13-1059	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	726.61	148.03
33 14 13 13-1060	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	977.94	168.83
33 14 13 13-1061	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,295.81	255.27
33 14 13 13-1062	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,640.23	278.47
33 14 13 13-1063	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,866.11	306.32
33 14 13 13-1064	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,275.68	339.97
33 14 13 13-1065	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,668.14	382.90
33 14 13 13-1066	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,221.48	437.44
33 14 13 13-1067	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,137.93	510.53
33 14 13 13-1068	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,553.96	612.64
33 14 13 13-1069	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	12,417.47	765.80
33 14 13 13-1070	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	17,923.85	918.95

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-1071 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps 21,353.00 1,021.06

33 14 13 13-1072 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug (33 14 13 13-0630)

33 14 13 13-1073	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	411.59	100.94
33 14 13 13-1074	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	513.06	118.68
33 14 13 13-1075	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	775.34	148.03
33 14 13 13-1076	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,026.68	168.83
33 14 13 13-1077	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,575.08	255.27
33 14 13 13-1078	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,703.95	278.47
33 14 13 13-1079	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,272.84	306.32
33 14 13 13-1080	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,746.13	339.97
33 14 13 13-1081	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,269.80	382.90
33 14 13 13-1082	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,034.93	437.44
33 14 13 13-1083	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	5,296.26	510.53
33 14 13 13-1084	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	9,154.63	612.64
33 14 13 13-1085	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	13,412.73	765.80
33 14 13 13-1086	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	18,049.43	918.95
33 14 13 13-1087	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	24,016.41	1,021.06

33 14 13 13-1088 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0630)

33 14 13 13-1089	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	556.71	153.42
33 14 13 13-1090	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	739.61	177.39
33 14 13 13-1091	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,020.57	222.67
33 14 13 13-1092	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,346.04	253.24
33 14 13 13-1093	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,982.14	382.90
33 14 13 13-1094	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,372.26	417.71
33 14 13 13-1095	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,114.05	459.48
33 14 13 13-1096	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,536.28	510.53
33 14 13 13-1097	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	4,652.60	574.35
33 14 13 13-1098	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,397.32	656.73
33 14 13 13-1099	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	6,537.72	765.80
33 14 13 13-1100	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	10,323.48	918.95
33 14 13 13-1101	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	14,056.60	1,148.69
33 14 13 13-1102	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	19,159.73	1,312.30
33 14 13 13-1103	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	23,826.54	1,531.59

33 14 13 13-1104 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0630)

33 14 13 13-1105	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	579.20	153.42
33 14 13 13-1106	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	711.50	177.39
33 14 13 13-1107	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,052.43	222.67
33 14 13 13-1108	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,432.25	253.24
33 14 13 13-1109	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,862.18	382.90
33 14 13 13-1110	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,259.80	417.71
33 14 13 13-1111	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,874.14	459.48
33 14 13 13-1112	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	3,408.82	510.53
33 14 13 13-1113	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	4,075.31	574.35
33 14 13 13-1114	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	4,746.93	656.73
33 14 13 13-1115	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	5,941.69	765.80
33 14 13 13-1116	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	10,014.22	918.95
33 14 13 13-1117	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	13,023.85	1,148.69
33 14 13 13-1118	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	16,979.50	1,311.13
33 14 13 13-1119	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	25,279.14	1,531.59

33 14 13 13-1120 Push-On Joint Ductile Iron Piping And Gaskets (33 14 13 13-0001)
33 14 13 13-1121 Push-On Joint Ductile Iron Pipe (33 14 13 13-1120)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

			Utilities		33	CS
			Water Utilities		33 10	
			Water Utility Transmission and Distribution		33 14	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT		DEMOLITION	
			UNIT COST		UNIT COST	
33 14 13 13-1122	LF	4", Class 50, Push-On Joint Ductile Iron Pipe.....		37.47	10.10	
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		15.53		
		For Cement Mortar Lining (CML), Add		2.22		
		Note: ANSI/AWWA C104/A21.4				
		For 40 Mil Ceramic Epoxy Lining (P401), Add		11.98		
		For Fusion Bonded Epoxy Lining (206N), Add		3.99		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		1.66		
		Note: ANSI/AWWA C151/A21.51				
		For Restrained Joint Pipe, Add		10.54		
		For >1,000, Deduct		-1.87		
		For Class 51, Add		3.21		
		For Class 52, Add		6.93		
		For Class 53, Add		12.46		
		For Class 54, Add		17.76		
		For Class 55, Add		20.44		
		For Class 56, Add		23.07		
33 14 13 13-1123	LF	6", Class 50, Push-On Joint Ductile Iron Pipe.....		41.10	11.13	
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		17.04		
		For Cement Mortar Lining (CML), Add		2.43		
		Note: ANSI/AWWA C104/A21.4				
		For 40 Mil Ceramic Epoxy Lining (P401), Add		13.14		
		For Fusion Bonded Epoxy Lining (206N), Add		4.38		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		1.83		
		Note: ANSI/AWWA C151/A21.51				
		For Restrained Joint Pipe, Add		11.56		
		For >1,000, Deduct		-2.06		
		For Class 51, Add		3.53		
		For Class 52, Add		7.60		
		For Class 53, Add		13.67		
		For Class 54, Add		19.49		
		For Class 55, Add		22.43		
		For Class 56, Add		25.32		
33 14 13 13-1124	LF	8", Class 50, Push-On Joint Ductile Iron Pipe.....		51.62	12.24	
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		23.29		
		For Cement Mortar Lining (CML), Add		3.33		
		Note: ANSI/AWWA C104/A21.4				
		For 40 Mil Ceramic Epoxy Lining (P401), Add		17.97		
		For Fusion Bonded Epoxy Lining (206N), Add		5.99		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		2.50		
		Note: ANSI/AWWA C151/A21.51				
		For Restrained Joint Pipe, Add		15.80		
		For >1,000, Deduct		-2.58		
		For Class 51, Add		4.76		
		For Class 52, Add		10.28		
		For Class 53, Add		18.52		
		For Class 54, Add		26.42		
		For Class 55, Add		30.37		
		For Class 56, Add		34.26		
33 14 13 13-1125	LF	10", Class 50, Push-On Joint Ductile Iron Pipe.....		73.04	17.28	
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		28.16		
		For Cement Mortar Lining (CML), Add		4.69		
		Note: ANSI/AWWA C104/A21.4				
		For 40 Mil Ceramic Epoxy Lining (P401), Add		23.47		
		For Fusion Bonded Epoxy Lining (206N), Add		8.45		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		3.52		
		Note: ANSI/AWWA C151/A21.51				
		For Restrained Joint Pipe, Add		22.30		
		For >1,000, Deduct		-3.65		
		For Class 51, Add		6.72		
		For Class 52, Add		14.50		
		For Class 53, Add		26.13		
		For Class 54, Add		37.28		
		For Class 55, Add		42.87		
		For Class 56, Add		48.36		
33 14 13 13-1126	LF	12", Class 50, Push-On Joint Ductile Iron Pipe.....		84.96	19.14	
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add		27.98		
		For Cement Mortar Lining (CML), Add		5.60		
		Note: ANSI/AWWA C104/A21.4				
		For 40 Mil Ceramic Epoxy Lining (P401), Add		22.38		
		For Fusion Bonded Epoxy Lining (206N), Add		10.07		
		Note: ANSI/AWWA C104/A21.4				
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		4.20		
		Note: ANSI/AWWA C151/A21.51				
		For Restrained Joint Pipe, Add		26.58		
		For >1,000, Deduct		-4.25		
		For Class 51, Add		7.99		
		For Class 52, Add		17.24		
		For Class 53, Add		31.08		
		For Class 54, Add		44.34		
		For Class 55, Add		50.97		
		For Class 56, Add		57.49		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 13-1127	LF 14", Class 50, Push-On Joint Ductile Iron Pipe.....	103.93	21.58
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.39	
	For Cement Mortar Lining (CML), Add	7.13	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	24.25	
	For Fusion Bonded Epoxy Lining (206N), Add	12.84	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.35	
	Note: ANSI/AWWA C151/A21.51		
	For Restrained Joint Pipe, Add	33.88	
	For >1,000, Deduct	-5.20	
	For Class 51, Add	10.13	
	For Class 52, Add	21.86	
	For Class 53, Add	39.45	
	For Class 54, Add	56.30	
	For Class 55, Add	64.70	
	For Class 56, Add	72.95	
33 14 13 13-1128	LF 16", Class 50, Push-On Joint Ductile Iron Pipe.....	123.37	24.60
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	35.31	
	For Cement Mortar Lining (CML), Add	8.61	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	26.70	
	For Fusion Bonded Epoxy Lining (206N), Add	15.50	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.46	
	Note: ANSI/AWWA C151/A21.51		
	For Restrained Joint Pipe, Add	40.91	
	For >1,000, Deduct	-6.17	
	For Class 51, Add	12.20	
	For Class 52, Add	26.35	
	For Class 53, Add	47.55	
	For Class 54, Add	67.86	
	For Class 55, Add	77.98	
	For Class 56, Add	87.92	
33 14 13 13-1129	LF 18", Class 50, Push-On Joint Ductile Iron Pipe.....	143.53	28.77
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	41.01	
	For Cement Mortar Lining (CML), Add	10.00	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	31.01	
	For Fusion Bonded Epoxy Lining (206N), Add	18.00	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.50	
	Note: ANSI/AWWA C151/A21.51		
	For Restrained Joint Pipe, Add	47.51	
	For >1,000, Deduct	-7.18	
	For Class 51, Add	14.18	
	For Class 52, Add	30.60	
	For Class 53, Add	55.23	
	For Class 54, Add	78.83	
	For Class 55, Add	90.59	
	For Class 56, Add	102.13	
33 14 13 13-1130	LF 20", Class 50, Push-On Joint Ductile Iron Pipe.....	165.35	34.46
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	42.99	
	For Cement Mortar Lining (CML), Add	11.31	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	31.68	
	For Fusion Bonded Epoxy Lining (206N), Add	20.37	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.49	
	Note: ANSI/AWWA C151/A21.51		
	For Restrained Joint Pipe, Add	53.74	
	For >1,000, Deduct	-8.27	
	For Class 51, Add	16.07	
	For Class 52, Add	34.69	
	For Class 53, Add	62.59	
	For Class 54, Add	89.32	
	For Class 55, Add	102.66	
	For Class 56, Add	115.75	
33 14 13 13-1131	LF 24", Class 50, Push-On Joint Ductile Iron Pipe.....	209.27	43.05
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	44.62	
	For Cement Mortar Lining (CML), Add	14.40	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	30.23	
	For Fusion Bonded Epoxy Lining (206N), Add	25.91	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.80	
	Note: ANSI/AWWA C151/A21.51		
	For Restrained Joint Pipe, Add	68.38	
	For >1,000, Deduct	-10.46	
	For Class 51, Add	20.44	
	For Class 52, Add	44.11	
	For Class 53, Add	79.59	
	For Class 54, Add	113.59	
	For Class 55, Add	130.54	
	For Class 56, Add	147.19	

33 14 13 13-1132 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1120)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1133	EA		4" 90 Degree Elbow, Push-On Joint Ductile Iron	297.32	39.39
			For Cement Mortar Lining (CML), Add	23.76	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	42.77	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.82	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	142.57	
33 14 13 13-1134	EA		6" 90 Degree Elbow, Push-On Joint Ductile Iron	430.63	58.11
			For Cement Mortar Lining (CML), Add	34.25	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	61.66	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.69	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	205.52	
33 14 13 13-1135	EA		8" 90 Degree Elbow, Push-On Joint Ductile Iron	579.73	69.00
			For Cement Mortar Lining (CML), Add	47.51	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	85.52	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.63	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	285.08	
33 14 13 13-1136	EA		10" 90 Degree Elbow, Push-On Joint Ductile Iron	876.20	76.35
			For Cement Mortar Lining (CML), Add	71.83	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	129.29	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.87	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	430.97	
33 14 13 13-1137	EA		12" 90 Degree Elbow, Push-On Joint Ductile Iron	1,135.44	89.58
			For Cement Mortar Lining (CML), Add	95.03	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	171.06	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.27	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	570.19	
33 14 13 13-1138	EA		14" 90 Degree Elbow, Push-On Joint Ductile Iron	2,291.92	100.48
			For Cement Mortar Lining (CML), Add	208.42	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	375.15	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	156.31	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	1,250.50	
33 14 13 13-1139	EA		16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,590.26	114.87
			For Cement Mortar Lining (CML), Add	235.29	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	423.53	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.47	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	1,411.75	
33 14 13 13-1140	EA		18" 90 Degree Elbow, Push-On Joint Ductile Iron	4,045.38	160.81
			For Cement Mortar Lining (CML), Add	371.31	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	668.36	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	278.48	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	2,227.87	
33 14 13 13-1141	EA		20" 90 Degree Elbow, Push-On Joint Ductile Iron	4,541.39	202.70
			For Cement Mortar Lining (CML), Add	413.60	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	744.49	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	310.20	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	2,481.62	
33 14 13 13-1142	EA		24" 90 Degree Elbow, Push-On Joint Ductile Iron	5,670.46	253.41
			For Cement Mortar Lining (CML), Add	516.38	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	929.48	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.28	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	3,098.26	
33 14 13 13-1143			Push-On Joint Ductile Iron 45 Degree Elbow (33 14 13 13-1120)		
33 14 13 13-1144	EA		4" 45 Degree Elbow, Push-On Joint Ductile Iron	243.28	39.39
			For Cement Mortar Lining (CML), Add	18.36	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	33.04	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.77	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	110.15	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-1145	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	357.97		58.11
		For Cement Mortar Lining (CML), Add	26.99		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	48.58		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.24		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	161.93		
33 14 13 13-1146	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	501.56		69.00
		For Cement Mortar Lining (CML), Add	39.70		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	71.45		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.77		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	238.18		
33 14 13 13-1147	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	768.28		76.35
		For Cement Mortar Lining (CML), Add	61.04		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	109.87		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.78		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	366.22		
33 14 13 13-1148	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	997.91		89.58
		For Cement Mortar Lining (CML), Add	81.28		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	146.30		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.96		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	487.67		
33 14 13 13-1149	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	1,433.19		100.48
		For Cement Mortar Lining (CML), Add	122.54		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	220.58		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.91		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	735.26		
33 14 13 13-1150	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	2,140.61		114.87
		For Cement Mortar Lining (CML), Add	190.33		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	342.59		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.75		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	1,141.96		
33 14 13 13-1151	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	2,445.76		160.81
		For Cement Mortar Lining (CML), Add	211.35		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	380.43		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	158.51		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	1,268.10		
33 14 13 13-1152	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	3,446.20		202.70
		For Cement Mortar Lining (CML), Add	304.08		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	547.35		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	228.06		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	1,824.50		
33 14 13 13-1153	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	4,275.56		253.41
		For Cement Mortar Lining (CML), Add	376.89		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	678.39		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	282.66		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	2,261.32		
33 14 13 13-1154		Push-On Joint Ductile Iron Tee (33 14 13 13-1120)			
33 14 13 13-1155	EA	4" Tee, Push-On Joint Ductile Iron	455.51		58.11
		For Cement Mortar Lining (CML), Add	36.74		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	66.14		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.56		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	220.45		
33 14 13 13-1156	EA	6" Tee, Push-On Joint Ductile Iron	632.20		85.39
		For Cement Mortar Lining (CML), Add	50.28		
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add	90.50		
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.71		
		Note: ANSI/AWWA C151/A21.51			
		For Restrained Joint Fitting, Add	301.66		

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1157	EA		8" Tee, Push-On Joint Ductile Iron	869.71	103.51
			For Cement Mortar Lining (CML), Add	71.28	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	128.30	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.46	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	427.65	
33 14 13 13-1158	EA		10" Tee, Push-On Joint Ductile Iron.....	1,295.60	116.03
			For Cement Mortar Lining (CML), Add	112.16	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	201.88	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	84.12	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	672.94	
33 14 13 13-1159	EA		12" Tee, Push-On Joint Ductile Iron.....	1,617.44	133.79
			For Cement Mortar Lining (CML), Add	141.44	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	254.59	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.08	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	848.63	
33 14 13 13-1160	EA		14" Tee, Push-On Joint Ductile Iron.....	2,629.49	160.81
			For Cement Mortar Lining (CML), Add	238.58	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	429.45	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.94	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	1,431.50	
33 14 13 13-1161	EA		16" Tee, Push-On Joint Ductile Iron.....	3,814.76	201.08
			For Cement Mortar Lining (CML), Add	351.02	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	631.83	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	263.26	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	2,106.11	
33 14 13 13-1162	EA		18" Tee, Push-On Joint Ductile Iron.....	4,787.79	268.26
			For Cement Mortar Lining (CML), Add	438.13	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	788.64	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	328.60	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	2,628.80	
33 14 13 13-1163	EA		20" Tee, Push-On Joint Ductile Iron.....	5,637.01	327.32
			For Cement Mortar Lining (CML), Add	514.11	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	925.40	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	385.58	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	3,084.66	
33 14 13 13-1164	EA		24" Tee, Push-On Joint Ductile Iron.....	7,391.86	409.12
			For Cement Mortar Lining (CML), Add	677.20	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,218.97	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	507.90	
			Note: ANSI/AWWA C151/A21.51		
			For Restrained Joint Fitting, Add	4,063.22	
33 14 13 13-1165 Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1120)					
33 14 13 13-1166	EA		4" Flanged End x Push-On Joint Adapter, Ductile Iron	447.03	136.65
			For Cement Mortar Lining (CML), Add	24.00	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	43.20	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.00	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1167	EA		6" Flanged End x Push-On Joint Adapter, Ductile Iron	547.24	169.20
			For Cement Mortar Lining (CML), Add	29.09	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	52.36	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.82	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1168	EA		8" Flanged End x Push-On Joint Adapter, Ductile Iron	717.24	197.34
			For Cement Mortar Lining (CML), Add	41.82	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	75.27	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.36	
			Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 13-1169	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	980.57	287.18
		For Cement Mortar Lining (CML), Add	54.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	98.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.91	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1170	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	1,188.17	328.24
		For Cement Mortar Lining (CML), Add	69.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	124.36	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.82	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1171	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	1,371.88	353.42
		For Cement Mortar Lining (CML), Add	83.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	150.54	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1172	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,634.69	382.90
		For Cement Mortar Lining (CML), Add	105.45	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	189.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	79.09	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1173	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,932.53	459.48
		For Cement Mortar Lining (CML), Add	123.64	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	222.54	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	92.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1174	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	2,246.25	510.53
		For Cement Mortar Lining (CML), Add	147.27	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	265.09	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	110.45	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1175	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	2,819.80	589.08
		For Cement Mortar Lining (CML), Add	192.73	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	346.91	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	144.54	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1176 Push-On Joint Ductile Iron Pipe And Fitting Restraints (33 14 13 13-1120)

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1177	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	58.38	21.28
33 14 13 13-1178	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	76.01	27.76
33 14 13 13-1179	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	98.87	28.39
33 14 13 13-1180	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	117.80	30.16
33 14 13 13-1181	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	140.70	33.50
33 14 13 13-1182	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	178.79	37.69
33 14 13 13-1183	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	211.27	43.07
33 14 13 13-1184	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	238.60	46.66
33 14 13 13-1185	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	277.83	56.00
33 14 13 13-1186	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	336.24	58.15

33 14 13 13-1187 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) (33 14 13 13-1120)

33 14 13 13-1188	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	250.76	78.32
33 14 13 13-1189	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	330.94	95.61
33 14 13 13-1190	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	426.16	116.61
33 14 13 13-1191	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171000)	642.52	142.25
33 14 13 13-1192	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	796.98	173.47
33 14 13 13-1193	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,374.73	211.64
33 14 13 13-1194	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,569.31	258.28
33 14 13 13-1195	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,781.30	315.02
33 14 13 13-1196	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,421.82	384.41
33 14 13 13-1197	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	3,089.09	468.87

33 14 13 13-1198 Ductile Iron Pipe Repair (33 14 13 13-0001)

See CSI section 33 14 13 13-0002 for mechanical joint fittings.

33 14 13 13-1199 WEKO Seals (33 14 13 13-1198)

Note: Internal joint seal.

33 14 13 13-1200	EA	16" WEKO Internal Joint Seal	2,631.48	220.13
		For Extra Wide Seals, Add	86.68	
33 14 13 13-1201	EA	18" WEKO Internal Joint Seal	2,804.51	232.44
		For Extra Wide Seals, Add	87.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1202	EA		20" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,977.35 88.54	244.76
33 14 13 13-1203	EA		24" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	3,151.83 90.03	264.34
33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)					
Note: Includes detectable tracer wire.					
33 14 13 23-0001			AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe (33 14 13 23) Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0002			AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0003	LF		4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	11.38	3.97
33 14 13 23-0004	LF		6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	16.61	4.81
33 14 13 23-0005	LF		8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	22.90	5.40
33 14 13 23-0006	LF		10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	30.23	6.01
33 14 13 23-0007	LF		12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	39.26	6.73
33 14 13 23-0008			AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0009	LF		4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	12.61	3.97
33 14 13 23-0010	LF		6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	19.17	4.81
33 14 13 23-0011	LF		8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	27.20	5.40
33 14 13 23-0012	LF		10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	36.92	6.01
33 14 13 23-0013	LF		12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	48.60	6.73
33 14 13 23-0014			AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0015	LF		4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	13.82	3.97
33 14 13 23-0016	LF		6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	21.71	4.81
33 14 13 23-0017	LF		8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	31.50	5.40
33 14 13 23-0018	LF		10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	43.46	6.01
33 14 13 23-0019	LF		12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	57.94	6.73
33 14 13 23-0020			AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0021	LF		18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	61.65	10.09
33 14 13 23-0022	LF		20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	75.21	12.01
33 14 13 23-0023	LF		24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	101.10	14.42
33 14 13 23-0024	LF		30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	146.59	16.82
33 14 13 23-0025	LF		36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	202.86	19.22
33 14 13 23-0026	LF		42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	257.55	20.43
33 14 13 23-0027	LF		48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	326.71	21.99
33 14 13 23-0028			AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0029	LF		14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	45.51	7.57
33 14 13 23-0030	LF		16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	57.21	8.41
33 14 13 23-0031	LF		18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	71.00	10.09
33 14 13 23-0032	LF		20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	87.35	12.01
33 14 13 23-0033	LF		24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	119.82	14.42
33 14 13 23-0034	LF		30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	173.44	16.82
33 14 13 23-0035	LF		36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	238.81	19.22
33 14 13 23-0036	LF		42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	317.34	20.43
33 14 13 23-0037	LF		48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	404.29	21.99
33 14 13 23-0038			AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0039	LF		14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	52.70	7.57
33 14 13 23-0040	LF		16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	67.20	8.41
33 14 13 23-0041	LF		18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	83.40	10.09
33 14 13 23-0042	LF		20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	103.44	12.01
33 14 13 23-0043	LF		24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	142.92	14.42
33 14 13 23-0044	LF		30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	208.15	16.82
33 14 13 23-0045	LF		36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	289.48	19.22
33 14 13 23-0046	LF		42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	377.37	20.43
33 14 13 23-0047	LF		48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	482.62	21.99
33 14 13 23-0048			AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0049	LF		14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	65.00	7.57
33 14 13 23-0050	LF		16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	81.80	8.41
33 14 13 23-0051	LF		18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	102.20	10.09
33 14 13 23-0052	LF		20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	126.15	12.01
33 14 13 23-0053	LF		24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	175.67	14.42
33 14 13 23-0054	LF		30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	259.54	16.82
33 14 13 23-0055	LF		36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	368.49	19.22
33 14 13 23-0056	LF		42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	493.23	20.43
33 14 13 23-0057	LF		48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	638.10	21.99
33 14 13 23-0058			AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)		
33 14 13 23-0059	LF		14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe.....	74.24	7.57
33 14 13 23-0060	LF		16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe.....	93.82	8.41

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 23-0061	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	117.37	10.09
33 14 13 23-0062	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	145.03	12.01
33 14 13 23-0063	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	202.83	14.42
33 14 13 23-0064	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	301.33	16.82
33 14 13 23-0065	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	429.54	19.22
33 14 13 23-0066	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	576.91	20.43

33 14 13 23-0067 AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)

33 14 13 23-0068	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	83.24	7.57
33 14 13 23-0069	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	105.52	8.41
33 14 13 23-0070	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	132.10	10.09
33 14 13 23-0071	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	163.41	12.01
33 14 13 23-0072	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	229.26	14.42
33 14 13 23-0073	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	341.99	16.82
33 14 13 23-0074	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	488.95	19.22

33 14 13 23-0075 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)

Note: Includes rubber gaskets.

33 14 13 23-0076 90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)

33 14 13 23-0077	EA	4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	217.27	13.57
		For DR 25, Deduct	-11.41	
33 14 13 23-0078	EA	6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	445.56	15.26
		For DR 25, Deduct	-24.90	
33 14 13 23-0079	EA	8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	669.62	16.96
		For DR 25, Deduct	-38.14	
33 14 13 23-0080	EA	10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,023.18	27.26
		For DR 25, Deduct	-58.12	
33 14 13 23-0081	EA	12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,331.19	45.43
		For DR 25, Deduct	-74.42	
33 14 13 23-0082	EA	14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,999.54	56.79
		For DR 25, Deduct	-113.16	
33 14 13 23-0083	EA	16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,386.19	68.16
		For DR 25, Deduct	-134.99	
33 14 13 23-0084	EA	18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,095.56	90.87
		For DR 25, Deduct	-234.83	
33 14 13 23-0085	EA	20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,041.72	113.59
		For DR 25, Deduct	-288.87	
33 14 13 23-0086	EA	24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,370.48	153.34
		For DR 25, Deduct	-483.83	

33 14 13 23-0087 45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)

33 14 13 23-0088	EA	4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	192.44	13.57
		For DR 25, Deduct	-9.92	
33 14 13 23-0089	EA	6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	332.97	15.26
		For DR 25, Deduct	-18.15	
33 14 13 23-0090	EA	8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	422.09	16.96
		For DR 25, Deduct	-23.29	
33 14 13 23-0091	EA	10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	597.48	27.26
		For DR 25, Deduct	-32.58	
33 14 13 23-0092	EA	12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	798.49	45.43
		For DR 25, Deduct	-42.46	
33 14 13 23-0093	EA	14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,536.18	56.79
		For DR 25, Deduct	-85.35	
33 14 13 23-0094	EA	16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,947.21	68.16
		For DR 25, Deduct	-108.65	
33 14 13 23-0095	EA	18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,361.63	90.87
		For DR 25, Deduct	-190.79	
33 14 13 23-0096	EA	20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,175.28	113.59
		For DR 25, Deduct	-236.89	
33 14 13 23-0097	EA	24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,892.39	153.34
		For DR 25, Deduct	-335.14	

33 14 13 23-0098 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)

33 14 13 23-0099	EA	4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	189.42	13.57
		For DR 25, Deduct	-9.74	
33 14 13 23-0100	EA	6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	332.97	15.26
		For DR 25, Deduct	-18.15	
33 14 13 23-0101	EA	8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	422.09	16.96
		For DR 25, Deduct	-23.29	
33 14 13 23-0102	EA	10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	597.49	27.26
		For DR 25, Deduct	-32.58	
33 14 13 23-0103	EA	12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	798.50	45.43
		For DR 25, Deduct	-42.46	
33 14 13 23-0104	EA	14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,531.61	54.52
		For DR 25, Deduct	-85.35	
33 14 13 23-0105	EA	16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,947.19	68.16
		For DR 25, Deduct	-108.65	
33 14 13 23-0106	EA	18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,361.63	90.87
		For DR 25, Deduct	-190.79	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0107	EA	20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,175.28 -236.89	113.59
33 14 13 23-0108	EA	24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,892.39 -335.14	153.34
33 14 13 23-0109 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)				
33 14 13 23-0110	EA	4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	167.19 -8.40	13.57
33 14 13 23-0111	EA	6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	332.97 -18.15	15.26
33 14 13 23-0112	EA	8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	422.09 -23.29	16.96
33 14 13 23-0113	EA	10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	597.49 -32.58	27.26
33 14 13 23-0114	EA	12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	798.50 -42.46	45.43
33 14 13 23-0115	EA	14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,531.61 -85.35	54.52
33 14 13 23-0116	EA	16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,947.19 -108.65	68.16
33 14 13 23-0117	EA	18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,361.63 -190.79	90.87
33 14 13 23-0118	EA	20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,175.28 -236.89	113.59
33 14 13 23-0119	EA	24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	5,892.39 -335.14	153.34
33 14 13 23-0120 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)				
33 14 13 23-0121	EA	4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	258.27 -13.67	15.26
33 14 13 23-0122	EA	6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	499.51 -27.94	16.96
33 14 13 23-0123	EA	8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	697.29 -39.53	19.22
33 14 13 23-0124	EA	10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,438.84 -82.24	34.08
33 14 13 23-0125	EA	12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,755.33 -97.14	68.16
33 14 13 23-0126	EA	14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,171.40 -180.06	85.18
33 14 13 23-0127	EA	16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,928.19 -223.42	102.22
33 14 13 23-0128	EA	18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,956.21 -281.02	136.30
33 14 13 23-0129	EA	20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,951.59 -336.65	170.38
33 14 13 23-0130	EA	24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	8,169.14 -476.25	115.86
33 14 13 23-0131 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)				
33 14 13 23-0132	EA	6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	497.08 -27.18	22.04
33 14 13 23-0133	EA	8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	676.48 -37.74	23.74
33 14 13 23-0134	EA	8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	693.42 -38.65	24.59
33 14 13 23-0135	EA	10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	900.53 -49.94	34.08
33 14 13 23-0136	EA	10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,219.97 -69.01	34.92
33 14 13 23-0137	EA	10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,305.14 -74.01	35.78
33 14 13 23-0138	EA	12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,383.22 -76.72	52.25
33 14 13 23-0139	EA	12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,588.03 -88.91	53.10
33 14 13 23-0140	EA	12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,684.80 -94.61	53.95
33 14 13 23-0141	EA	12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,716.41 -95.90	59.07
33 14 13 23-0142	EA	14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,607.60 -149.10	61.33
33 14 13 23-0143	EA	14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,712.54 -155.29	62.19
33 14 13 23-0144	EA	14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,817.74 -161.50	63.04
33 14 13 23-0145	EA	14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,930.85 -167.67	68.16
33 14 13 23-0146	EA	14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,052.32 -173.87	77.23
33 14 13 23-0147	EA	16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,254.25 -186.26	74.97

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
33 14 13 23-0148	EA 16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,357.45 -192.45		74.97	
33 14 13 23-0149	EA 16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,462.40 -198.65		75.81	
33 14 13 23-0150	EA 16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,567.35 -204.84		76.67	
33 14 13 23-0151	EA 16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,698.94 -211.03		90.87	
33 14 13 23-0152	EA 16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,811.26 -217.23		95.41	
33 14 13 23-0153	EA 18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,021.56 -229.57		97.68	
33 14 13 23-0154	EA 18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,127.22 -235.81		98.54	
33 14 13 23-0155	EA 18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,232.15 -242.00		99.39	
33 14 13 23-0156	EA 18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,345.61 -248.20		104.50	
33 14 13 23-0157	EA 18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,466.97 -254.39		113.59	
33 14 13 23-0158	EA 18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,578.59 -260.54		118.13	
33 14 13 23-0159	EA 18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,720.40 -268.23		124.95	
33 14 13 23-0160	EA 20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,100.69 -291.59		120.40	
33 14 13 23-0161	EA 20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,278.66 -302.17		121.26	
33 14 13 23-0162	EA 20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,348.71 -306.27		122.10	
33 14 13 23-0163	EA 20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,427.35 -310.38		127.21	
33 14 13 23-0164	EA 20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,513.89 -314.48		136.30	
33 14 13 23-0165	EA 20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,633.80 -321.13		140.85	
33 14 13 23-0166	EA 20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,758.29 -327.78		147.66	
33 14 13 23-0167	EA 20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	5,854.93 -332.21		159.02	
33 14 13 23-0168	EA 24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,005.05 -341.08		160.15	
33 14 13 23-0169	EA 24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,080.72 -345.52		161.01	
33 14 13 23-0170	EA 24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,156.36 -349.96		161.86	
33 14 13 23-0171	EA 24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,467.27 -368.00		166.97	
33 14 13 23-0172	EA 24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,786.09 -386.04		176.06	
33 14 13 23-0173	EA 24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	7,095.87 -404.08		180.60	
33 14 13 23-0174	EA 24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	7,410.20 -422.12		187.42	
33 14 13 23-0175	EA 24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	7,733.60 -440.16		198.77	
33 14 13 23-0176	EA 24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	8,057.00 -458.20		210.13	
33 14 13 23-0177	Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)				
33 14 13 23-0178	EA 4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	357.93 -18.22		27.13	
33 14 13 23-0179	EA 6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	643.84 -34.97		30.52	
33 14 13 23-0180	EA 8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	891.80 -49.44		33.91	
33 14 13 23-0181	EA 10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,821.68 -102.76		54.52	
33 14 13 23-0182	EA 12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,160.50 -121.45		68.16	
33 14 13 23-0183	EA 14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	3,933.22 -225.09		90.87	
33 14 13 23-0184	EA 16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	4,881.09 -279.25		113.59	
33 14 13 23-0185	EA 18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	6,218.87 -351.32		181.73	
33 14 13 23-0186	EA 20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	7,468.00 -420.82		227.17	
33 14 13 23-0187	EA 24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	10,534.55 -595.27		306.68	
33 14 13 23-0188	Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)				
33 14 13 23-0189	EA 6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	624.34 -34.00		28.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0190	EA	8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	848.28	30.52	
		For DR 25, Deduct	-47.23		
33 14 13 23-0191	EA	8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	869.91	32.22	
		For DR 25, Deduct	-48.33		
33 14 13 23-0192	EA	10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,306.01	40.89	
		For DR 25, Deduct	-73.45		
33 14 13 23-0193	EA	10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,523.01	42.59	
		For DR 25, Deduct	-86.27		
33 14 13 23-0194	EA	10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,673.17	44.30	
		For DR 25, Deduct	-95.07		
33 14 13 23-0195	EA	12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,717.06	59.07	
		For DR 25, Deduct	-95.94		
33 14 13 23-0196	EA	12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,973.74	60.77	
		For DR 25, Deduct	-111.13		
33 14 13 23-0197	EA	12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,096.01	62.47	
		For DR 25, Deduct	-118.26		
33 14 13 23-0198	EA	12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,143.08	72.69	
		For DR 25, Deduct	-119.86		
33 14 13 23-0199	EA	14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,242.45	68.16	
		For DR 25, Deduct	-186.37		
33 14 13 23-0200	EA	14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,374.51	69.86	
		For DR 25, Deduct	-194.09		
33 14 13 23-0201	EA	14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,508.00	71.56	
		For DR 25, Deduct	-201.89		
33 14 13 23-0202	EA	14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,657.98	81.78	
		For DR 25, Deduct	-209.66		
33 14 13 23-0203	EA	14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,822.87	99.96	
		For DR 25, Deduct	-217.38		
33 14 13 23-0204	EA	16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,043.34	81.78	
		For DR 25, Deduct	-232.79		
33 14 13 23-0205	EA	16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,177.14	83.48	
		For DR 25, Deduct	-240.61		
33 14 13 23-0206	EA	16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,309.51	85.18	
		For DR 25, Deduct	-248.35		
33 14 13 23-0207	EA	16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,459.37	95.41	
		For DR 25, Deduct	-256.11		
33 14 13 23-0208	EA	16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,532.37	113.59	
		For DR 25, Deduct	-258.31		
33 14 13 23-0209	EA	16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,771.29	122.67	
		For DR 25, Deduct	-271.56		
33 14 13 23-0210	EA	18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,992.38	104.50	
		For DR 25, Deduct	-287.00		
33 14 13 23-0211	EA	18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,125.87	106.20	
		For DR 25, Deduct	-294.81		
33 14 13 23-0212	EA	18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,258.44	107.91	
		For DR 25, Deduct	-302.56		
33 14 13 23-0213	EA	18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,406.37	118.13	
		For DR 25, Deduct	-310.21		
33 14 13 23-0214	EA	18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,572.80	136.30	
		For DR 25, Deduct	-318.01		
33 14 13 23-0215	EA	18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,719.54	145.39	
		For DR 25, Deduct	-325.73		
33 14 13 23-0216	EA	18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,906.79	159.02	
		For DR 25, Deduct	-335.33		
33 14 13 23-0217	EA	20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,329.91	127.21	
		For DR 25, Deduct	-364.53		
33 14 13 23-0218	EA	20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,553.28	128.92	
		For DR 25, Deduct	-377.73		
33 14 13 23-0219	EA	20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,642.76	130.63	
		For DR 25, Deduct	-382.89		
33 14 13 23-0220	EA	20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,748.34	140.85	
		For DR 25, Deduct	-388.00		
33 14 13 23-0221	EA	20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	6,869.84	159.02	
		For DR 25, Deduct	-393.11		
33 14 13 23-0222	EA	20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,025.59	168.11	
		For DR 25, Deduct	-401.36		
33 14 13 23-0223	EA	20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,193.19	181.73	
		For DR 25, Deduct	-409.78		
33 14 13 23-0224	EA	20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,330.77	204.46	
		For DR 25, Deduct	-415.31		
33 14 13 23-0225	EA	24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,398.84	166.97	
		For DR 25, Deduct	-423.89		
33 14 13 23-0226	EA	24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,536.17	168.68	
		For DR 25, Deduct	-431.93		
33 14 13 23-0227	EA	24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,632.39	170.38	
		For DR 25, Deduct	-437.50		
33 14 13 23-0228	EA	24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,028.25	180.60	
		For DR 25, Deduct	-460.02		
33 14 13 23-0229	EA	24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,440.15	198.77	
		For DR 25, Deduct	-482.56		
33 14 13 23-0230	EA	24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	8,833.80	207.86	
		For DR 25, Deduct	-505.08		
33 14 13 23-0231	EA	24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,238.15	221.50	
		For DR 25, Deduct	-527.71		
33 14 13 23-0232	EA	24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	9,658.25	244.21	
		For DR 25, Deduct	-550.19		
33 14 13 23-0233	EA	24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	10,079.98	266.93	
		For DR 25, Deduct	-572.77		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 23-0234		Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0235	EA	4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	129.53	13.57
		<i>For DR 25, Deduct</i>	-6.14	
33 14 13 23-0236	EA	6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	241.89	15.26
		<i>For DR 25, Deduct</i>	-12.68	
33 14 13 23-0237	EA	8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	291.21	16.96
		<i>For DR 25, Deduct</i>	-15.44	
33 14 13 23-0238	EA	10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	414.43	27.26
		<i>For DR 25, Deduct</i>	-21.59	
33 14 13 23-0239	EA	12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	659.53	34.08
		<i>For DR 25, Deduct</i>	-35.48	
33 14 13 23-0240	EA	14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,144.67	45.43
		<i>For DR 25, Deduct</i>	-63.23	
33 14 13 23-0241	EA	16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,355.91	56.79
		<i>For DR 25, Deduct</i>	-74.54	
33 14 13 23-0242	EA	18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,247.41	90.87
		<i>For DR 25, Deduct</i>	-183.94	
33 14 13 23-0243	EA	20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,640.23	113.59
		<i>For DR 25, Deduct</i>	-204.78	
33 14 13 23-0244	EA	24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,125.72	153.34
		<i>For DR 25, Deduct</i>	-289.14	
33 14 13 23-0245		Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)		
33 14 13 23-0246	EA	4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	160.71	13.57
		<i>For DR 25, Deduct</i>	-8.01	
33 14 13 23-0247	EA	6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	218.48	15.26
		<i>For DR 25, Deduct</i>	-11.28	
33 14 13 23-0248	EA	8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	317.86	16.96
		<i>For DR 25, Deduct</i>	-17.04	
33 14 13 23-0249	EA	10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	435.22	27.26
		<i>For DR 25, Deduct</i>	-22.84	
33 14 13 23-0250	EA	12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	697.40	45.43
		<i>For DR 25, Deduct</i>	-36.39	
33 14 13 23-0251	EA	14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,853.17	54.52
		<i>For DR 25, Deduct</i>	-104.65	
33 14 13 23-0252	EA	16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,508.73	68.16
		<i>For DR 25, Deduct</i>	-142.35	
33 14 13 23-0253	EA	18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,090.90	90.87
		<i>For DR 25, Deduct</i>	-174.55	
33 14 13 23-0254	EA	20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,692.64	113.59
		<i>For DR 25, Deduct</i>	-207.93	
33 14 13 23-0255	EA	24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	5,016.36	153.34
		<i>For DR 25, Deduct</i>	-282.58	
33 14 13 23-0256		Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping (33 14 13 23)		
33 14 13 23-0257		Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe (33 14 13 23-0256)		
33 14 13 23-0258	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.56	0.90
		<i>For >1,000, Deduct</i>	-0.13	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.05	
33 14 13 23-0259	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.83	0.97
		<i>For >1,000, Deduct</i>	-0.14	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.06	
33 14 13 23-0260	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.30	1.06
		<i>For >1,000, Deduct</i>	-0.17	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.10	
33 14 13 23-0261	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.80	1.17
		<i>For >1,000, Deduct</i>	-0.19	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.13	
33 14 13 23-0262	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.89	1.32
		<i>For >1,000, Deduct</i>	-0.24	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.24	
33 14 13 23-0263	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.29	1.49
		<i>For >1,000, Deduct</i>	-0.31	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.38	
33 14 13 23-0264	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	7.64	1.65
		<i>For >1,000, Deduct</i>	-0.38	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.52	
33 14 13 23-0265	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	10.81	2.04
		<i>For >1,000, Deduct</i>	-0.54	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.86	
33 14 13 23-0266	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	18.92	2.59
		<i>For >1,000, Deduct</i>	-0.95	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.86	
33 14 13 23-0267	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	30.16	3.63
		<i>For >1,000, Deduct</i>	-1.51	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.16	
33 14 13 23-0268	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	44.93	4.86
		<i>For >1,000, Deduct</i>	-2.25	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	4.92	
33 14 13 23-0269	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	62.53	6.54
		<i>For >1,000, Deduct</i>	-3.13	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	6.93	

33 14 13 23-0270 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)				
33 14 13 23-0271	EA	3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	27.48	10.85
33 14 13 23-0272	EA	1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	34.73	13.57
33 14 13 23-0273	EA	1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	43.72	16.96
33 14 13 23-0274	EA	1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	65.06	18.76
33 14 13 23-0275	EA	2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	70.49	21.03
33 14 13 23-0276	EA	2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	83.33	23.85
33 14 13 23-0277	EA	3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	92.97	26.59
33 14 13 23-0278	EA	4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	128.69	32.64
33 14 13 23-0279	EA	6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	184.84	41.48
33 14 13 23-0280	EA	8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	298.21	54.45
33 14 13 23-0281	EA	10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	367.22	72.85
33 14 13 23-0282	EA	12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	485.58	98.05

33 14 13 23-0283 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)				
33 14 13 23-0284	EA	3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	27.96	10.85
33 14 13 23-0285	EA	1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	35.07	13.57
33 14 13 23-0286	EA	1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	43.93	16.96
33 14 13 23-0287	EA	1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	58.69	18.76
33 14 13 23-0288	EA	2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	71.08	21.03
33 14 13 23-0289	EA	2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	85.73	23.85
33 14 13 23-0290	EA	3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	91.96	26.59
33 14 13 23-0291	EA	4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	126.50	32.64
33 14 13 23-0292	EA	6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	180.42	41.48
33 14 13 23-0293	EA	8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	289.79	54.45
33 14 13 23-0294	EA	10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	332.32	72.85
33 14 13 23-0295	EA	12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC)	437.28	98.05

33 14 13 23-0296 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)				
33 14 13 23-0297	EA	3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	41.19	16.28
33 14 13 23-0298	EA	1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	51.98	20.46
33 14 13 23-0299	EA	1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	65.16	25.55
33 14 13 23-0300	EA	1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	89.76	28.27
33 14 13 23-0301	EA	2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	102.10	31.43
33 14 13 23-0302	EA	2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	118.77	35.84
33 14 13 23-0303	EA	3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	142.17	39.77
33 14 13 23-0304	EA	4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	186.54	49.02
33 14 13 23-0305	EA	6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	307.75	62.32
33 14 13 23-0306	EA	8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	460.29	81.68
33 14 13 23-0307	EA	10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	550.00	116.65
33 14 13 23-0308	EA	12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC)	689.07	156.97

33 14 13 23-0309 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0256)				
33 14 13 23-0310	EA	3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	18.39	7.24
33 14 13 23-0311	EA	1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	24.83	9.73
33 14 13 23-0312	EA	1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	33.13	12.77
33 14 13 23-0313	EA	1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	45.89	14.13
33 14 13 23-0314	EA	2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	50.62	15.72
33 14 13 23-0315	EA	2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	57.58	17.86
33 14 13 23-0316	EA	3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	65.78	19.88
33 14 13 23-0317	EA	4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	90.06	24.46
33 14 13 23-0318	EA	6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	128.47	31.16
33 14 13 23-0319	EA	8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	217.45	40.83
33 14 13 23-0320	EA	10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	261.31	58.38
33 14 13 23-0321	EA	12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC)	333.49	78.49

33 14 13 23-0322 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)				
33 14 13 23-0323 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0322)				
33 14 13 23-0324	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.81	0.90
		For >1,000, Deduct	-0.14	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.08	
33 14 13 23-0325	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.30	0.97
		For >1,000, Deduct	-0.17	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.13	
33 14 13 23-0326	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.24	1.17
		For >1,000, Deduct	-0.21	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.20	
33 14 13 23-0327	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.06	1.32
		For >1,000, Deduct	-0.25	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.27	
33 14 13 23-0328	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.55	1.49
		For >1,000, Deduct	-0.33	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.42	
33 14 13 23-0329	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	7.80	1.65
		For >1,000, Deduct	-0.39	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.55	
33 14 13 23-0330	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	10.36	2.04
		For >1,000, Deduct	-0.52	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.79	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 23-0331	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	15.67	2.59
		<i>For >1,000, Deduct</i>	-0.78	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.38	

33 14 13 23-0332 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0322)

33 14 13 23-0333	EA	3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	27.65	10.85
33 14 13 23-0334	EA	1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	34.83	13.57
33 14 13 23-0335	EA	1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	48.42	18.76
33 14 13 23-0336	EA	2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	54.69	21.03
33 14 13 23-0337	EA	2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	65.58	23.85
33 14 13 23-0338	EA	3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	73.55	26.59
33 14 13 23-0339	EA	4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	96.19	32.64
33 14 13 23-0340	EA	6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	150.03	41.48

33 14 13 23-0341 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0322)

33 14 13 23-0342	EA	3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	27.61	10.85
33 14 13 23-0343	EA	1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	34.79	13.57
33 14 13 23-0344	EA	1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	48.44	18.76
33 14 13 23-0345	EA	2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	54.52	21.03
33 14 13 23-0346	EA	2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	65.13	23.85
33 14 13 23-0347	EA	3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	73.02	26.59
33 14 13 23-0348	EA	4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	95.12	32.64
33 14 13 23-0349	EA	6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	146.61	41.48

33 14 13 23-0350 Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0322)

33 14 13 23-0351	EA	3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	41.37	16.28
33 14 13 23-0352	EA	1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	52.12	20.46
33 14 13 23-0353	EA	1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	72.43	28.27
33 14 13 23-0354	EA	2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	81.43	31.43
33 14 13 23-0355	EA	2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	98.62	35.84
33 14 13 23-0356	EA	3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	112.52	39.77
33 14 13 23-0357	EA	4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	139.91	49.02
33 14 13 23-0358	EA	6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	228.33	62.32

33 14 13 23-0359 Schedule 40 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0322)

33 14 13 23-0360	EA	3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	18.48	7.24
33 14 13 23-0361	EA	1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	24.90	9.73
33 14 13 23-0362	EA	1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	36.11	14.13
33 14 13 23-0363	EA	2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	40.71	15.72
33 14 13 23-0364	EA	2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	47.73	17.86
33 14 13 23-0365	EA	3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	54.36	19.88
33 14 13 23-0366	EA	4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	67.34	24.46
33 14 13 23-0367	EA	6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	98.93	31.16

33 14 13 23-0368 Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)

33 14 13 23-0369	EA	3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	55.31	21.71
33 14 13 23-0370	EA	1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	69.40	27.24
33 14 13 23-0371	EA	1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	96.56	37.65
33 14 13 23-0372	EA	2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	108.57	41.95
33 14 13 23-0373	EA	2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	131.45	47.71
33 14 13 23-0374	EA	3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	149.95	53.07
33 14 13 23-0375	EA	4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	186.43	65.29
33 14 13 23-0376	EA	6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	304.02	83.06

33 14 13 23-0377 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)**33 14 13 23-0378 Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0377)**

33 14 13 23-0379	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.57	0.97
		<i>For >1,000, Deduct</i>	-0.18	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.17	
33 14 13 23-0380	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.77	1.17
		<i>For >1,000, Deduct</i>	-0.24	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.28	
33 14 13 23-0381	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.96	1.32
		<i>For >1,000, Deduct</i>	-0.30	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.40	
33 14 13 23-0382	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.72	1.49
		<i>For >1,000, Deduct</i>	-0.39	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.60	
33 14 13 23-0383	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	9.45	1.65
		<i>For >1,000, Deduct</i>	-0.47	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.80	
33 14 13 23-0384	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	12.88	2.04
		<i>For >1,000, Deduct</i>	-0.64	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.17	
33 14 13 23-0385	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	21.27	2.59
		<i>For >1,000, Deduct</i>	-1.06	
		<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0386			Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0377)		
33 14 13 23-0387	EA		1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	36.22	13.57
33 14 13 23-0388	EA		1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	48.42	18.76
33 14 13 23-0389	EA		2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	56.08	21.03
33 14 13 23-0390	EA		2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	68.54	23.85
33 14 13 23-0391	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	76.30	26.59
33 14 13 23-0392	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	96.85	32.64
33 14 13 23-0393	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	146.90	41.48
33 14 13 23-0394			Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0377)		
33 14 13 23-0395	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	41.93	13.57
33 14 13 23-0396	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	53.92	18.76
33 14 13 23-0397	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	61.37	21.03
33 14 13 23-0398	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	78.45	23.85
33 14 13 23-0399	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	89.21	26.59
33 14 13 23-0400	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	122.81	32.64
33 14 13 23-0401	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	145.16	41.48
33 14 13 23-0402			Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0377)		
33 14 13 23-0403	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	55.04	20.46
33 14 13 23-0404	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	81.30	28.27
33 14 13 23-0405	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	92.01	31.43
33 14 13 23-0406	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	104.22	35.84
33 14 13 23-0407	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	117.88	39.77
33 14 13 23-0408	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	143.77	49.02
33 14 13 23-0409	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	228.19	62.32
33 14 13 23-0410			Schedule 80 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0377)		
33 14 13 23-0411	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	26.99	9.73
33 14 13 23-0412	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	39.70	14.13
33 14 13 23-0413	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	44.08	15.72
33 14 13 23-0414	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	56.39	17.86
33 14 13 23-0415	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	63.10	19.88
33 14 13 23-0416	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	77.95	24.46
33 14 13 23-0417	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	113.75	31.16
33 14 13 23-0418			Crosses, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)		
33 14 13 23-0419	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Cross	73.28	27.24
33 14 13 23-0420	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	108.34	37.65
33 14 13 23-0421	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Cross	122.61	41.95
33 14 13 23-0422	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	138.88	47.71
33 14 13 23-0423	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Cross	157.06	53.07
33 14 13 23-0424	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Cross	191.56	65.29
33 14 13 23-0425	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Cross	303.84	83.06
33 14 13 23-0426			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings (33 14 13 23)		
33 14 13 23-0427			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe (33 14 13 23-0426)		
33 14 13 23-0428	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	58.83	3.48
33 14 13 23-0429	LF		10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	83.77	3.74
33 14 13 23-0430	LF		12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	113.15	4.34
33 14 13 23-0431	LF		14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	154.13	5.57
33 14 13 23-0432	LF		16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	176.38	6.78
33 14 13 23-0433			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (33 14 13 23-0426)		
33 14 13 23-0434	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	745.60	50.50
33 14 13 23-0435	EA		10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	1,568.52	84.67
33 14 13 23-0436	EA		12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	2,728.96	92.42
33 14 13 23-0437	EA		14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	6,464.10	99.99
33 14 13 23-0438	EA		16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	8,752.25	107.57
33 14 13 23-0439			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (33 14 13 23-0426)		
33 14 13 23-0440	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,045.92	50.50
33 14 13 23-0441	EA		10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,265.55	84.67
33 14 13 23-0442	EA		12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,710.77	92.42
33 14 13 23-0443	EA		14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	3,345.40	99.99
33 14 13 23-0444	EA		16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	4,786.93	107.57
33 14 13 23-0445			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (33 14 13 23-0426)		
33 14 13 23-0446	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	1,446.03	80.80
33 14 13 23-0447	EA		10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,131.98	120.75
33 14 13 23-0448	EA		12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,819.63	128.79
33 14 13 23-0449	EA		14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	6,866.14	136.36
33 14 13 23-0450	EA		16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	9,681.56	143.92

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 23-0451		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees (33 14 13 23-0426)	
33 14 13 23-0452	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,421.23 76.75
33 14 13 23-0453	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,548.73 108.97
33 14 13 23-0454	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,767.16 114.72
33 14 13 23-0455	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,004.81 110.41
33 14 13 23-0456	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,225.94 116.22
33 14 13 23-0457	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,539.49 122.34
33 14 13 23-0458	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,938.79 111.07
33 14 13 23-0459	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,321.02 116.91
33 14 13 23-0460	EA	14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,808.11 123.06
33 14 13 23-0461	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,370.90 129.54
33 14 13 23-0462	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,998.87 111.37
33 14 13 23-0463	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,687.70 117.23
33 14 13 23-0464	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,230.19 123.40
33 14 13 23-0465	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,066.57 129.89
33 14 13 23-0466	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,943.09 136.73
33 14 13 23-0467		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes (33 14 13 23-0426)	
33 14 13 23-0468	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye.....	1,460.42 80.80
33 14 13 23-0469	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye.....	2,463.69 120.75
33 14 13 23-0470	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye.....	3,333.06 128.79
33 14 13 23-0471	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye.....	10,809.72 136.36
33 14 13 23-0472	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye.....	13,491.10 143.92
33 14 13 23-0473		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes (33 14 13 23-0426)	
33 14 13 23-0474	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,271.62 76.75
33 14 13 23-0475	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,770.47 108.97
33 14 13 23-0476	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,050.83 114.72
33 14 13 23-0477	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,361.92 110.41
33 14 13 23-0478	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,492.24 116.22
33 14 13 23-0479	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	3,016.52 122.34
33 14 13 23-0480	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,207.26 111.07
33 14 13 23-0481	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,624.83 116.91
33 14 13 23-0482	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,820.12 129.54
33 14 13 23-0483	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,224.80 111.37
33 14 13 23-0484	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,197.73 117.23
33 14 13 23-0485	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,068.35 123.40
33 14 13 23-0486	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,740.65 129.89
33 14 13 23-0487	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	10,928.80 136.73
33 14 13 23-0488		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (33 14 13 23-0426)	
33 14 13 23-0489	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling.....	676.84 50.50
33 14 13 23-0490	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling.....	917.69 84.67
33 14 13 23-0491	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling.....	1,271.45 92.42
33 14 13 23-0492	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling.....	2,526.97 99.99
33 14 13 23-0493	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling.....	3,765.41 107.57
33 14 13 23-0494		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings (33 14 13 23-0426)	
33 14 13 23-0495	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	921.17 47.97
33 14 13 23-0496	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	677.07 45.57
33 14 13 23-0497	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	938.98 80.44
33 14 13 23-0498	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,818.88 76.42
33 14 13 23-0499	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,695.44 72.59
33 14 13 23-0500	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,330.97 68.97
33 14 13 23-0501	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	837.27 87.79
33 14 13 23-0502	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,440.42 83.40
33 14 13 23-0503	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,056.24 79.23
33 14 13 23-0504	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,778.57 75.26
33 14 13 23-0505	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,628.74 94.98
33 14 13 23-0506	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,221.93 90.23
33 14 13 23-0507	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,639.13 85.72
33 14 13 23-0508	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,484.08 81.44
33 14 13 23-0509	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,302.51 77.37
33 14 13 23-0510	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,017.76 102.19
33 14 13 23-0511		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings (33 14 13 23-0426)	
33 14 13 23-0512	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	814.54 85.72
33 14 13 23-0513	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	1,435.34 81.44
33 14 13 23-0514	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	1,088.53 81.44
33 14 13 23-0515	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	2,781.24 77.37
33 14 13 23-0516	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	1,874.74 73.50
33 14 13 23-0517	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	1,787.31 69.83
33 14 13 23-0518	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	1,636.68 77.37
33 14 13 23-0519	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	2,983.17 73.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0520	EA		14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	2,919.33	69.83
33 14 13 23-0521	EA		14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	2,122.38	66.33
33 14 13 23-0522	EA		14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	1,970.01	73.50
33 14 13 23-0523	EA		16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	5,287.84	69.83
33 14 13 23-0524	EA		16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	5,109.69	66.33
33 14 13 23-0525	EA		16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	5,010.65	63.02
33 14 13 23-0526	EA		16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	4,812.00	59.86
33 14 13 23-0527	EA		16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling.....	4,532.14	97.08
33 14 13 23-0528 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges (33 14 13 23-0426)					
33 14 13 23-0529	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange.....	898.64	50.50
33 14 13 23-0530	EA		10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange.....	2,071.09	84.67
33 14 13 23-0531	EA		12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange.....	3,021.14	92.42
33 14 13 23-0532	EA		14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange.....	3,393.95	99.99
33 14 13 23-0533	EA		16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange.....	4,198.92	107.57
33 14 13 23-0534	EA		8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket.....	28.15	
33 14 13 23-0535	EA		10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket.....	36.68	
33 14 13 23-0536	EA		12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket.....	50.48	
33 14 13 23-0537	EA		14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket.....	107.98	
33 14 13 23-0538	EA		16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket.....	191.57	
33 14 13 23-0539	EA		Zinc Coated Flange Hardware Kit.....	179.88	
33 14 13 23-0540 AWWA C906, High-Density Polyethylene (HDPE) Pressure Piping (33 14 13 23)					
Note: ASTM D3350 pipe, ASTM D2657 heat fusion.					
33 14 13 23-0541 High-Density Polyethylene (HDPE) Pressure Pipe (33 14 13 23-0540)					
33 14 13 23-0542	LF		3" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	8.08	3.12
			For SDR 19, Add.....	0.16	
			For SDR 17, Add.....	0.39	
			For SDR 15.5, Add.....	0.58	
			For SDR 13.5, Add.....	0.90	
			For SDR 11, Add.....	1.45	
33 14 13 23-0543	LF		4" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	9.58	3.97
			For SDR 26, Deduct.....	-0.30	
			For SDR 19, Add.....	0.15	
			For SDR 17, Add.....	0.36	
			For SDR 15.5, Add.....	0.53	
			For SDR 13.5, Add.....	0.83	
			For SDR 11, Add.....	1.34	
33 14 13 23-0544	LF		6" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	13.15	4.81
			For SDR 26, Deduct.....	-0.65	
			For SDR 19, Add.....	0.32	
			For SDR 17, Add.....	0.79	
			For SDR 15.5, Add.....	1.15	
			For SDR 13.5, Add.....	1.80	
			For SDR 11, Add.....	2.89	
33 14 13 23-0545	LF		8" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	16.83	5.40
			For SDR 26, Deduct.....	-1.10	
			For SDR 19, Add.....	0.54	
			For SDR 17, Add.....	1.34	
			For SDR 15.5, Add.....	1.96	
			For SDR 13.5, Add.....	3.05	
			For SDR 11, Add.....	4.91	
33 14 13 23-0546	LF		10" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	21.36	6.01
			For SDR 26, Deduct.....	-1.71	
			For SDR 19, Add.....	0.84	
			For SDR 17, Add.....	2.08	
			For SDR 15.5, Add.....	3.04	
			For SDR 13.5, Add.....	4.75	
			For SDR 11, Add.....	7.64	
33 14 13 23-0547	LF		12" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	26.82	6.73
			For SDR 26, Deduct.....	-2.47	
			For SDR 19, Add.....	1.21	
			For SDR 17, Add.....	3.00	
			For SDR 15.5, Add.....	4.39	
			For SDR 13.5, Add.....	6.85	
			For SDR 11, Add.....	11.02	
33 14 13 23-0548	LF		14" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	30.86	7.57
			For SDR 26, Deduct.....	-2.90	
			For SDR 19, Add.....	1.43	
			For SDR 17, Add.....	3.52	
			For SDR 15.5, Add.....	5.15	
			For SDR 13.5, Add.....	8.05	
			For SDR 11, Add.....	12.95	
33 14 13 23-0549	LF		16" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	37.52	8.41
			For SDR 26, Deduct.....	-3.79	
			For SDR 19, Add.....	1.86	
			For SDR 17, Add.....	4.60	
			For SDR 15.5, Add.....	6.74	
			For SDR 13.5, Add.....	10.51	
			For SDR 11, Add.....	16.92	
33 14 13 23-0550	LF		18" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe.....	46.41	10.09
			For SDR 26, Deduct.....	-4.80	
			For SDR 19, Add.....	2.35	
			For SDR 17, Add.....	5.81	
			For SDR 15.5, Add.....	8.51	
			For SDR 13.5, Add.....	13.29	
			For SDR 11, Add.....	21.39	

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CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 23-0551	LF	20" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	81.02		12.01
		For SDR 26, Deduct	-10.44		
		For SDR 19, Add	5.13		
		For SDR 17, Add	12.66		
		For SDR 15.5, Add	18.54		
		For SDR 13.5, Add	28.94		
		For SDR 11, Add	46.58		
33 14 13 23-0552	LF	24" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	75.39		14.42
		For SDR 26, Deduct	-8.53		
		For SDR 19, Add	4.19		
		For SDR 17, Add	10.34		
		For SDR 15.5, Add	15.15		
		For SDR 13.5, Add	23.64		
		For SDR 11, Add	38.05		
33 14 13 23-0553 90 Degree Elbows, High-Density Polyethylene (HDPE) Pressure Piping ^(33 14 13 23-0540)					
33 14 13 23-0554	EA	3" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	64.63		16.96
		For SDR 26, Deduct	-2.52		
		For SDR 19, Add	1.24		
		For SDR 17, Add	3.06		
		For SDR 15.5, Add	4.48		
		For SDR 13.5, Add	6.99		
		For SDR 11, Add	11.25		
33 14 13 23-0555	EA	4" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	72.92		18.85
		For SDR 26, Deduct	-3.00		
		For SDR 19, Add	1.48		
		For SDR 17, Add	3.64		
		For SDR 15.5, Add	5.33		
		For SDR 13.5, Add	8.32		
		For SDR 11, Add	13.40		
33 14 13 23-0556	EA	6" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	108.17		21.54
		For SDR 26, Deduct	-7.99		
		For SDR 19, Add	3.92		
		For SDR 17, Add	9.69		
		For SDR 15.5, Add	14.19		
		For SDR 13.5, Add	22.14		
		For SDR 11, Add	35.64		
33 14 13 23-0557	EA	8" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	166.53		25.15
		For SDR 26, Deduct	-16.70		
		For SDR 19, Add	8.20		
		For SDR 17, Add	20.25		
		For SDR 15.5, Add	29.65		
		For SDR 13.5, Add	46.28		
		For SDR 11, Add	74.50		
33 14 13 23-0558	EA	10" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	252.61		33.58
		For SDR 26, Deduct	-27.88		
		For SDR 19, Add	13.69		
		For SDR 17, Add	33.80		
		For SDR 15.5, Add	49.50		
		For SDR 13.5, Add	77.26		
		For SDR 11, Add	124.35		
33 14 13 23-0559	EA	12" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	373.44		50.26
		For SDR 26, Deduct	-40.83		
		For SDR 19, Add	20.05		
		For SDR 17, Add	49.49		
		For SDR 15.5, Add	72.48		
		For SDR 13.5, Add	113.13		
		For SDR 11, Add	182.09		
33 14 13 23-0560	EA	14" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	466.63		67.07
		For SDR 26, Deduct	-48.67		
		For SDR 19, Add	23.90		
		For SDR 17, Add	59.00		
		For SDR 15.5, Add	86.40		
		For SDR 13.5, Add	134.86		
		For SDR 11, Add	217.07		
33 14 13 23-0561	EA	16" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	619.38		100.50
		For SDR 26, Deduct	-58.29		
		For SDR 19, Add	28.62		
		For SDR 17, Add	70.66		
		For SDR 15.5, Add	103.47		
		For SDR 13.5, Add	161.50		
		For SDR 11, Add	259.95		
33 14 13 23-0562	EA	18" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	771.90		113.06
		For SDR 26, Deduct	-79.32		
		For SDR 19, Add	38.94		
		For SDR 17, Add	96.15		
		For SDR 15.5, Add	140.80		
		For SDR 13.5, Add	219.77		
		For SDR 11, Add	353.74		
33 14 13 23-0563	EA	20" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	1,039.61		128.32
		For SDR 26, Deduct	-119.28		
		For SDR 19, Add	58.56		
		For SDR 17, Add	144.59		
		For SDR 15.5, Add	211.74		
		For SDR 13.5, Add	330.50		
		For SDR 11, Add	531.96		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0564	EA	24"	90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,320.94	150.82
			For SDR 26, Deduct	-159.23	
			For SDR 19, Add	78.18	
			For SDR 17, Add	193.03	
			For SDR 15.5, Add	282.68	
			For SDR 13.5, Add	441.22	
			For SDR 11, Add	710.17	
33 14 13 23-0565 Tees, High-Density Polyethylene (HDPE) Pressure Piping (33 14 13 23-0540)					
33 14 13 23-0566	EA	3"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	71.13	17.75
			For SDR 26, Deduct	-3.30	
			For SDR 19, Add	1.62	
			For SDR 17, Add	4.00	
			For SDR 15.5, Add	5.85	
			For SDR 13.5, Add	9.14	
			For SDR 11, Add	14.71	
33 14 13 23-0567	EA	4"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	81.45	20.10
			For SDR 26, Deduct	-3.88	
			For SDR 19, Add	1.91	
			For SDR 17, Add	4.71	
			For SDR 15.5, Add	6.89	
			For SDR 13.5, Add	10.76	
			For SDR 11, Add	17.31	
33 14 13 23-0568	EA	6"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	124.90	23.20
			For SDR 26, Deduct	-10.15	
			For SDR 19, Add	4.98	
			For SDR 17, Add	12.30	
			For SDR 15.5, Add	18.01	
			For SDR 13.5, Add	28.12	
			For SDR 11, Add	45.26	
33 14 13 23-0569	EA	8"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	222.63	27.42
			For SDR 26, Deduct	-25.74	
			For SDR 19, Add	12.64	
			For SDR 17, Add	31.21	
			For SDR 15.5, Add	45.70	
			For SDR 13.5, Add	71.33	
			For SDR 11, Add	114.81	
33 14 13 23-0570	EA	10"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	305.63	40.25
			For SDR 26, Deduct	-33.91	
			For SDR 19, Add	16.65	
			For SDR 17, Add	41.11	
			For SDR 15.5, Add	60.21	
			For SDR 13.5, Add	93.97	
			For SDR 11, Add	151.25	
33 14 13 23-0571	EA	12"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	433.57	60.38
			For SDR 26, Deduct	-46.31	
			For SDR 19, Add	22.74	
			For SDR 17, Add	56.14	
			For SDR 15.5, Add	82.21	
			For SDR 13.5, Add	128.32	
			For SDR 11, Add	206.53	
33 14 13 23-0572	EA	14"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	523.33	75.41
			For SDR 26, Deduct	-54.48	
			For SDR 19, Add	26.75	
			For SDR 17, Add	66.04	
			For SDR 15.5, Add	96.72	
			For SDR 13.5, Add	150.96	
			For SDR 11, Add	242.98	
33 14 13 23-0573	EA	16"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	692.28	113.06
			For SDR 26, Deduct	-64.70	
			For SDR 19, Add	31.77	
			For SDR 17, Add	78.43	
			For SDR 15.5, Add	114.85	
			For SDR 13.5, Add	179.26	
			For SDR 11, Add	288.54	
33 14 13 23-0574	EA	18"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	885.47	131.71
			For SDR 26, Deduct	-89.89	
			For SDR 19, Add	44.14	
			For SDR 17, Add	108.97	
			For SDR 15.5, Add	159.58	
			For SDR 13.5, Add	249.08	
			For SDR 11, Add	400.91	
33 14 13 23-0575	EA	20"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	1,227.99	155.57
			For SDR 26, Deduct	-138.58	
			For SDR 19, Add	68.04	
			For SDR 17, Add	167.99	
			For SDR 15.5, Add	246.02	
			For SDR 13.5, Add	384.00	
			For SDR 11, Add	618.07	
33 14 13 23-0576	EA	24"	Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping.....	1,586.98	188.58
			For SDR 26, Deduct	-187.28	
			For SDR 19, Add	91.95	
			For SDR 17, Add	227.02	
			For SDR 15.5, Add	332.46	
			For SDR 13.5, Add	518.92	
			For SDR 11, Add	835.23	
33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping (33 14 13)					
See CSI section 22 11 16 00-0013 for galvanized steel pipe.					

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 14 13 36 Steel Public Water Utility Distribution Piping (33 14 13)**33 14 13 36-0001 Steel Piping (33 14 13 36)****33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)**

Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0060 for pipe linings.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)

33 14 13 36-0004	LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	103.40	30.36
	For <100, Add	12.07	
	For >1,000, Deduct	-5.17	
33 14 13 36-0005	LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	121.67	30.36
	For <100, Add	12.99	
	For >1,000, Deduct	-6.08	
33 14 13 36-0006	LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	122.04	33.12
	For <100, Add	13.63	
	For >1,000, Deduct	-6.10	
33 14 13 36-0007	LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	145.14	33.12
	For <100, Add	14.78	
	For >1,000, Deduct	-7.26	
33 14 13 36-0008	LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	145.99	34.71
	For <100, Add	15.19	
	For >1,000, Deduct	-7.30	
33 14 13 36-0009	LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	163.96	34.71
	For <100, Add	16.08	
	For >1,000, Deduct	-8.20	
33 14 13 36-0010	LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	175.68	38.35
	For <100, Add	17.50	
	For >1,000, Deduct	-8.78	
33 14 13 36-0011	LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	190.04	38.35
	For <100, Add	18.22	
	For >1,000, Deduct	-9.50	
33 14 13 36-0012	LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	186.37	40.48
	For <100, Add	18.52	
	For >1,000, Deduct	-9.32	
33 14 13 36-0013	LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	197.46	40.48
	For <100, Add	19.07	
	For >1,000, Deduct	-9.87	
33 14 13 36-0014	LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	229.46	45.54
	For <100, Add	21.82	
	For >1,000, Deduct	-11.47	
33 14 13 36-0015	LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	247.63	45.54
	For <100, Add	22.73	
	For >1,000, Deduct	-12.38	

33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)

33 14 13 36-0017	LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	198.91	59.33
	For <100, Add	19.27	
	For >1,000, Deduct	-9.95	
33 14 13 36-0018	LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	235.01	65.27
	For <100, Add	22.06	
	For >1,000, Deduct	-11.75	
33 14 13 36-0019	LF 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	260.29	68.23
	For <100, Add	23.89	
	For >1,000, Deduct	-13.01	
33 14 13 36-0020	LF 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	293.58	77.14
	For <100, Add	26.92	
	For >1,000, Deduct	-14.68	
33 14 13 36-0021	LF 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	305.90	77.14
	For <100, Add	27.53	
	For >1,000, Deduct	-15.30	
33 14 13 36-0022	LF 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	317.30	77.14
	For <100, Add	28.10	
	For >1,000, Deduct	-15.87	
33 14 13 36-0023	LF 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	330.44	77.14
	For <100, Add	28.76	
	For >1,000, Deduct	-16.52	
33 14 13 36-0024	LF 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	382.74	89.00
	For <100, Add	33.12	
	For >1,000, Deduct	-19.14	
33 14 13 36-0025	LF 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	423.40	89.00
	For <100, Add	35.16	
	For >1,000, Deduct	-21.17	
33 14 13 36-0026	LF 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	523.18	89.00
	For <100, Add	40.15	
	For >1,000, Deduct	-26.16	
33 14 13 36-0027	LF 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	474.25	103.84
	For <100, Add	40.03	
	For >1,000, Deduct	-23.71	
33 14 13 36-0028	LF 30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	490.88	103.84
	For <100, Add	40.86	
	For >1,000, Deduct	-24.54	
33 14 13 36-0029	LF 30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	647.75	103.84
	For <100, Add	48.70	
	For >1,000, Deduct	-32.39	

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 36-0030	LF		36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	560.49	103.84
			For <100, Add	44.34	
			For >1,000, Deduct	-28.02	
33 14 13 36-0031	LF		36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	657.81	124.60
			For <100, Add	52.47	
			For >1,000, Deduct	-32.89	
33 14 13 36-0032	LF		36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	779.46	124.60
			For <100, Add	58.55	
			For >1,000, Deduct	-38.97	
33 14 13 36-0033	LF		36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	749.07	124.60
			For <100, Add	57.03	
			For >1,000, Deduct	-37.45	

33 14 13 36-0034 Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)

33 14 13 36-0035	EA		2" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	163.86	31.05
			For 7" Length, Add	10.41	
33 14 13 36-0036	EA		3" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	228.17	59.72
			For 7" Length, Add	10.87	
33 14 13 36-0037	EA		4" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	303.51	78.84
			For 7" Length, Add	14.43	
33 14 13 36-0038	EA		6" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	490.34	119.44
			For 7" Length, Add	25.15	
33 14 13 36-0039	EA		8" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	647.76	150.49
			For 7" Length, Add	34.92	
33 14 13 36-0040	EA		10" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	892.05	174.04
			For 7" Length, Add	54.40	
33 14 13 36-0041	EA		12" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,049.22	218.14
			For 7" Length, Add	61.41	
33 14 13 36-0042	EA		14" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,131.51	218.14
			For 10" Length, Add	40.04	
33 14 13 36-0043	EA		16" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,192.53	249.47
			For 10" Length, Add	41.72	
33 14 13 36-0044	EA		18" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,311.70	266.87
			For 10" Length, Add	46.68	
33 14 13 36-0045	EA		20" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,431.61	301.68
			For 10" Length, Add	51.09	
33 14 13 36-0046	EA		24" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,847.97	319.09
			For 10" Length, Add	72.59	
33 14 13 36-0047	EA		30" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,245.97	348.09
			For 10" Length, Add	92.99	
33 14 13 36-0048	EA		36" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,648.46	391.60
			For 10" Length, Add	111.92	

33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)

33 14 13 39-0001 Type L Copper Water Distribution Piping (33 14 13 39)

33 14 13 39-0002	LF		1/2" Type L Copper Water Distribution Pipe	8.91	2.20
33 14 13 39-0003	LF		3/4" Type L Copper Water Distribution Pipe	11.48	2.47
33 14 13 39-0004	LF		1" Type L Copper Water Distribution Pipe	15.29	2.75
33 14 13 39-0005	LF		1-1/4" Type L Copper Water Distribution Pipe	19.29	3.29
33 14 13 39-0006	LF		1-1/2" Type L Copper Water Distribution Pipe	23.91	4.40
33 14 13 39-0007	LF		2" Type L Copper Water Distribution Pipe	35.43	5.49
33 14 13 39-0008	LF		2-1/2" Type L Copper Water Distribution Pipe	44.43	6.59
33 14 13 39-0009	LF		3" Type L Copper Water Distribution Pipe	56.22	7.25
33 14 13 39-0010	LF		3-1/2" Type L Copper Water Distribution Pipe	75.40	9.12
33 14 13 39-0011	LF		4" Type L Copper Water Distribution Pipe	99.84	11.53
33 14 13 39-0012	LF		5" Type L Copper Water Distribution Pipe	163.11	14.39
33 14 13 39-0013	LF		6" Type L Copper Water Distribution Pipe	211.33	17.36
33 14 13 39-0014	LF		8" Type L Copper Water Distribution Pipe	369.61	19.44

33 14 13 39-0015 Type K Copper Water Distribution Piping (33 14 13 39)

33 14 13 39-0016	LF		1/2" Type K Copper Water Distribution Pipe	9.56	2.20
33 14 13 39-0017	LF		3/4" Type K Copper Water Distribution Pipe	13.78	2.47
33 14 13 39-0018	LF		1" Type K Copper Water Distribution Pipe	17.58	2.75
33 14 13 39-0019	LF		1-1/4" Type K Copper Water Distribution Pipe	20.71	3.29
33 14 13 39-0020	LF		1-1/2" Type K Copper Water Distribution Pipe	26.01	4.40
33 14 13 39-0021	LF		2" Type K Copper Water Distribution Pipe	38.25	5.49
33 14 13 39-0022	LF		2-1/2" Type K Copper Water Distribution Pipe	52.26	6.59
33 14 13 39-0023	LF		3" Type K Copper Water Distribution Pipe	67.95	7.25
33 14 13 39-0024	LF		3-1/2" Type K Copper Water Distribution Pipe	89.19	9.12
33 14 13 39-0025	LF		4" Type K Copper Water Distribution Pipe	120.77	11.53
33 14 13 39-0026	LF		5" Type K Copper Water Distribution Pipe	206.41	14.39
33 14 13 39-0027	LF		6" Type K Copper Water Distribution Pipe	289.20	17.36
33 14 13 39-0028	LF		8" Type K Copper Water Distribution Pipe	513.32	19.44

33 14 13 39-0029 Copper Flare x Female Copper Flare Service Fitting Coupling (33 14 13 39)

Note: Mueller H-15405

33 14 13 39-0030	EA		3/4" Copper Flare x Female Copper Flare Service Fitting Coupling	39.31	
33 14 13 39-0031	EA		1" Copper Flare x Female Copper Flare Service Fitting Coupling	54.90	
33 14 13 39-0032	EA		1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling	124.10	
33 14 13 39-0033	EA		2" Copper Flare x Female Copper Flare Service Fitting Coupling	157.98	

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 39-0034		Copper Flare x Female Iron Pipe Service Fitting Coupling (33 14 13 39)	
		Note: Mueller H-15450	
33 14 13 39-0035	EA	1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	43.52
33 14 13 39-0036	EA	3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	39.46
33 14 13 39-0037	EA	1" Copper Flare x Female Iron Pipe Service Fitting Coupling	53.64
33 14 13 39-0038	EA	1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	77.47
33 14 13 39-0039	EA	1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	98.82
33 14 13 39-0040	EA	2" Copper Flare x Female Iron Pipe Service Fitting Coupling	153.56
33 14 13 39-0041		Copper Flare x Male Iron Pipe Service Fitting Coupling (33 14 13 39)	
		Note: Mueller H-15425	
33 14 13 39-0042	EA	1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	38.38
33 14 13 39-0043	EA	3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	39.55
33 14 13 39-0044	EA	1" Copper Flare x Male Iron Pipe Service Fitting Coupling	52.53
33 14 13 39-0045	EA	1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	77.47
33 14 13 39-0046	EA	1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	102.82
33 14 13 39-0047	EA	2" Copper Flare x Male Iron Pipe Service Fitting Coupling	158.52
33 14 13 39-0048		Brass Fittings (33 14 13 39)	
33 14 13 39-0049		Brass Compression Reducer Coupling (33 14 13 39-0048)	
33 14 13 39-0050	EA	3/4" x 1" Brass Compression Reducer Coupling	53.80
33 14 13 39-0051	EA	1" x 3/4" Brass Compression Reducer Coupling	42.77
33 14 13 39-0052	EA	1-1/2" x 1" Brass Compression Reducer Coupling	89.35
33 14 13 39-0053	EA	2" x 1-1/2" Brass Compression Reducer Coupling	110.72
33 14 13 39-0054		Copper Compression x Male NPT Brass Coupling (33 14 13 39-0048)	
		Note: A. Y. McDonald 74753Q	
33 14 13 39-0055	EA	3/4" Copper Compression x Male NPT Brass Coupling	56.07
33 14 13 39-0056	EA	3/4" x 1" Copper Compression x Male NPT Brass Coupling	64.14
33 14 13 39-0057	EA	1" Copper Compression x Male NPT Brass Coupling	65.74
33 14 13 39-0058	EA	1" x 3/4" Copper Compression x Male NPT Brass Coupling	64.41
33 14 13 39-0059	EA	1-1/4" Copper Compression x Male NPT Brass Coupling	87.45
33 14 13 39-0060	EA	1-1/4" x 1" Copper Compression x Male NPT Brass Coupling	85.04
33 14 13 39-0061	EA	1-1/2" Copper Compression x Male NPT Brass Coupling	115.78
33 14 13 39-0062	EA	2" Copper Compression x Male NPT Brass Coupling	152.06
33 14 13 39-0063		Brass Nipples (33 14 13 39-0048)	
33 14 13 39-0064	EA	3/4" x 6" Long Brass Nipple	38.22
33 14 13 39-0065	EA	1" x 6" Long Brass Nipple	49.58
33 14 13 39-0066	EA	1-1/2" x 6" Long Brass Nipple	75.16
33 14 13 39-0067		Brass "H" Style Meter Insetters (33 14 13 39-0048)	
33 14 13 39-0068	EA	5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters	289.73
33 14 13 39-0069	EA	5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters	185.93
33 14 13 39-0070		Meter Setters - Resetter, Brass (33 14 13 39-0048)	
33 14 13 39-0071	EA	1" Meter, 10" High Brass Meter Setter - Resetter	766.94
		Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.	
33 14 13 43		Public Water Utility Distribution Piping Coatings and Wraps (33 14 13)	
33 14 13 43-0001		Pipe Coatings (33 14 13 43)	
33 14 13 43-0002		Epoxy Wrap And Pipe Coating (33 14 13 43-0001)	
		Note: Applied at fabrication shop.	
33 14 13 43-0003	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	4.58
33 14 13 43-0004	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.09
33 14 13 43-0005	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.95
33 14 13 43-0006	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.30
33 14 13 43-0007	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.86
33 14 13 43-0008	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	9.16
33 14 13 43-0009	LF	30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	12.03
33 14 13 43-0010	LF	36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	19.01
33 14 13 43-0011	LF	42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	40.97
33 14 13 43-0012	LF	48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	46.82
33 14 13 43-0013	LF	54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	52.67
33 14 13 43-0014	LF	60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	58.52
33 14 13 43-0015	LF	66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	64.38
33 14 13 43-0016	LF	72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	70.20
33 14 13 43-0017	LF	78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	76.08
33 14 13 43-0018		Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 14 13 43-0001)	
		Note: Applied at fabrication shop. Thickness ranging between 1" and 2".	
33 14 13 43-0019	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh	9.39
		Note: Reinforcing applied at fabrication shop.	

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0020	LF		6" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	11.56	
33 14 13 43-0021	LF		8" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	14.45	
33 14 13 43-0022	LF		10" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	16.10	
33 14 13 43-0023	LF		12" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	18.18	
33 14 13 43-0024	LF		14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	21.28	
33 14 13 43-0025	LF		16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	24.17	
33 14 13 43-0026	LF		18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	27.27	
33 14 13 43-0027	LF		20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	30.31	
33 14 13 43-0028	LF		24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	36.36	
33 14 13 43-0029	LF		30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	45.45	
33 14 13 43-0030	LF		36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	54.54	
33 14 13 43-0031	LF		42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	63.63	
33 14 13 43-0032	LF		48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	72.72	
33 14 13 43-0033	LF		54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	81.81	
33 14 13 43-0034	LF		60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	90.90	
33 14 13 43-0035	LF		66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	99.99	
33 14 13 43-0036	LF		72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	109.09	
33 14 13 43-0037	LF		78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	118.18	
33 14 13 43-0038	LF		84" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	127.27	
33 14 13 43-0039	LF		90" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	136.36	
33 14 13 43-0040	LF		96" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	145.45	
33 14 13 43-0041	LF		102" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	154.54	
33 14 13 43-0042	LF		108" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	163.63	
33 14 13 43-0043	LF		114" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	172.72	
33 14 13 43-0044	LF		120" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	181.81	
33 14 13 43-0045	LF		126" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	190.90	
33 14 13 43-0046	LF		132" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	199.99	
33 14 13 43-0047	LF		138" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	209.08	
33 14 13 43-0048	LF		144" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	218.17	
33 14 13 43-0049			Epoxy Wrap And Fitting Coating (33 14 13 43-0001) Note: Applied at fabrication shop.		
33 14 13 43-0050	EA		4" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	10.75 0.49	
33 14 13 43-0051	EA		6" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	13.65 0.65	
33 14 13 43-0052	EA		8" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	19.82 0.85	
33 14 13 43-0053	EA		10" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	33.21 1.24	
33 14 13 43-0054	EA		12" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	50.70 1.83	
33 14 13 43-0055	EA		14" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	79.42 2.80	
33 14 13 43-0056	EA		16" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	121.90 3.61	
33 14 13 43-0057	EA		18" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	165.21 3.72	
33 14 13 43-0058	EA		20" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	225.15 4.45	
33 14 13 43-0059	EA		24" Outside Diameter, Epoxy Wrap And Fitting Coating..... For 1/2" Thick, Add	327.42 6.23	
33 14 13 43-0060			Cement Pipe Lining (33 14 13 43)		
33 14 13 43-0061			Cement Pipe Lining (33 14 13 43-0060) Note: Shop applied.		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 43-0062	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	14.56	
		<i>For 1/2" Thick, Add</i>	1.25	
33 14 13 43-0063	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	18.10	
		<i>For 1/2" Thick, Add</i>	1.54	
33 14 13 43-0064	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	22.09	
		<i>For 1/2" Thick, Add</i>	1.93	
33 14 13 43-0065	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	28.65	
		<i>For 1/2" Thick, Add</i>	2.41	
33 14 13 43-0066	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	35.26	
		<i>For 1/2" Thick, Add</i>	2.90	
33 14 13 43-0067	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	44.99	
		<i>For 1/2" Thick, Add</i>	3.39	
33 14 13 43-0068	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	58.20	
		<i>For 1/2" Thick, Add</i>	3.85	
33 14 13 43-0069	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	69.50	
		<i>For 1/2" Thick, Add</i>	3.69	
33 14 13 43-0070	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	83.86	
		<i>For 1/2" Thick, Add</i>	4.11	
33 14 13 43-0071	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	101.66	
		<i>For 1/2" Thick, Add</i>	4.92	
33 14 13 43-0072	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	122.40	
		<i>For 1/2" Thick, Add</i>	6.16	
33 14 13 43-0073	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	147.30	
		<i>For 1/2" Thick, Add</i>	7.39	
33 14 13 43-0074	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	171.89	
		<i>For 1/2" Thick, Add</i>	6.34	
33 14 13 43-0075	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	196.37	
		<i>For 1/2" Thick, Add</i>	7.24	
33 14 13 43-0076	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	220.94	
		<i>For 1/2" Thick, Add</i>	8.15	
33 14 13 43-0077	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	245.53	
		<i>For 1/2" Thick, Add</i>	9.05	
33 14 13 43-0078	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	270.02	
		<i>For 1/2" Thick, Add</i>	5.31	
33 14 13 43-0079	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	294.60	
		<i>For 1/2" Thick, Add</i>	5.79	
33 14 13 43-0080	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	319.18	
		<i>For 1/2" Thick, Add</i>	6.28	
33 14 13 43-0081	LF	84" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	343.67	
		<i>For 1/2" Thick, Add</i>	6.76	
33 14 13 43-0082	LF	90" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	368.25	
		<i>For 1/2" Thick, Add</i>	7.24	
33 14 13 43-0083	LF	96" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	392.83	
33 14 13 43-0084	LF	102" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	417.31	
33 14 13 43-0085	LF	108" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	441.90	
33 14 13 43-0086	LF	114" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	466.49	
33 14 13 43-0087	LF	120" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	490.96	
33 14 13 43-0088	LF	126" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	515.54	
33 14 13 43-0089	LF	132" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	540.14	
33 14 13 43-0090	LF	138" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	564.61	
33 14 13 43-0091	LF	144" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	589.19	

33 14 13 43-0092 Cement Fitting Lining (33 14 13 43-0060)

Note: Shop applied.

33 14 13 43-0093	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	15.53	
		<i>For 1/2" Thick, Add</i>	1.45	
33 14 13 43-0094	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	20.02	
		<i>For 1/2" Thick, Add</i>	1.93	
33 14 13 43-0095	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	28.10	
		<i>For 1/2" Thick, Add</i>	2.50	
33 14 13 43-0096	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	46.27	
		<i>For 1/2" Thick, Add</i>	3.85	
33 14 13 43-0097	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	70.51	
		<i>For 1/2" Thick, Add</i>	5.79	
33 14 13 43-0098	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	104.41	
		<i>For 1/2" Thick, Add</i>	7.80	
33 14 13 43-0099	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	153.91	
		<i>For 1/2" Thick, Add</i>	10.01	
33 14 13 43-0100	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining.....	208.49	
		<i>For 1/2" Thick, Add</i>	11.08	
33 14 13 43-0101	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining.....	279.39	
		<i>For 1/2" Thick, Add</i>	13.67	
33 14 13 43-0102	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining.....	406.65	
		<i>For 1/2" Thick, Add</i>	19.70	

33 14 13 43-0103 8 Mil Polyethylene Encasement Tubing (33 14 13 43)

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0104	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.07	
33 14 13 43-0105	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.78	
33 14 13 43-0106	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.24	
33 14 13 43-0107	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.84	
33 14 13 43-0108	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.92	
33 14 13 43-0109	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.07	
33 14 13 43-0110	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	6.45	
33 14 13 43-0111	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	7.69	
33 14 13 43-0112	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing.....	9.16	

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 14 13 43-0113 LF 60" Diameter, 8 Mil Polyethylene Encasement Tubing 10.19

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)

33 14 13 53-0001

Double Stud Stainless Steel Service Saddles (33 14 13 53)

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	274.36
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	380.32
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	393.42
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	326.60
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	408.55
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	341.63
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	428.04
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	383.59
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	450.96
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	400.32
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	462.31

33 14 13 53-0013

Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	233.22
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	233.37
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	248.33
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	236.98
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	253.49
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	279.58
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	297.25
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	272.48
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	298.78
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	314.05
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	287.57
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	314.67
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	329.88
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	303.14
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	329.50
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	344.52
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	493.76
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	506.86
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	327.58
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	359.17
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	373.19
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	582.07
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	365.05
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	402.70
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	647.75
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	396.09
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	435.84
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	451.66
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	720.59
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	458.97
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	490.38
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	526.97
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	879.47
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	472.07
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	534.59
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	556.79
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	943.96
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	493.16
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	557.93
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	580.68
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	982.14
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	543.78
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	626.16
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	616.43
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	681.26
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	643.54
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	724.49

33 14 13 53-0061

Double Bale Bronze Service Saddles (33 14 13 53)

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	318.03
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	346.98
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	361.16
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	390.38

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	400.99
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	421.41
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	390.68
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	415.11
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	489.77
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	528.64
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	723.97
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	815.33
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	839.74
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	934.90

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	333.10
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	366.00
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	378.96
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	410.71
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	422.99
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	444.59
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	474.55
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	507.26
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	509.93
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	551.40
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	773.93
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	885.98
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	899.02
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	977.92
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,957.37
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,957.37
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,032.08
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,032.08
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,181.12
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,181.12

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,458.03
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,761.96
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,103.76
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,223.50
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,343.87
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,510.44
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,583.32
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,540.40
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,706.30
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,106.93
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,210.50
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,975.15
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,162.29
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,247.82
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,286.03
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,552.89
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,544.97
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,571.18
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,780.00
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,831.17
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,887.23
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,018.69
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,274.38
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,466.25
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,934.60
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,073.43
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,485.66
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,828.26
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,476.90
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,657.10
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,729.00
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,077.16
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,563.17
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,832.78
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,861.61
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,027.34
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,075.92
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,646.40
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,862.77
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,915.17
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,377.43
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,599.68

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,200.87
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,280.48
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,397.49

			Utilities	33	CS
			Water Utilities	33 10	
			Water Utility Transmission and Distribution	33 14	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,442.14	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,501.63	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,718.19	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,576.47	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,634.44	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,825.08	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,496.99	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,775.90	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,859.86	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,047.51	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,649.67	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,884.36	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,322.18	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,392.03	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,792.08	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,287.52	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,610.49	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,752.87	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,824.92	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,090.52	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,798.16	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,967.13	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,927.96	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,056.63	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,234.51	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,066.80	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,235.58	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,525.74	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,597.63	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,993.99	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,662.66	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,947.69	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,809.90	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,964.75	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,173.05	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,121.17	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,297.06	

33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,381.92	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,509.15	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,596.75	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,633.42	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,733.99	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,029.91	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,872.60	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,983.86	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,249.33	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,015.25	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,139.44	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,290.28	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,640.27	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,095.56	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,444.17	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,441.96	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,626.49	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,020.28	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,476.01	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,718.11	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,970.45	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,221.90	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,414.04	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,903.88	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,236.90	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,279.15	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,653.84	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,854.27	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,284.98	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,854.10	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,546.48	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,920.21	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,083.47	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,883.05	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,329.10	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,192.91	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,248.02	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,443.35	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,397.33	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,907.56	

33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	348.48	69.60
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	436.77	87.76

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	575.75	121.04
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	742.42	142.23
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,149.84	160.38
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,285.15	181.57

33 14 13 53-0229 Steel Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	500.34	69.60
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	593.03	87.76
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	792.81	121.04
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	968.33	142.23
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,178.82	160.38
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,372.30	181.57
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,626.32	199.72
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,921.36	217.88
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,264.57	239.67
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,671.08	263.63

33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)

33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	446.93	87.76
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	600.82	121.04
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	667.40	142.23
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	962.28	160.38
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,219.76	181.57
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,367.09	199.72
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,602.64	217.88
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,797.29	239.67
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	2,153.68	263.63
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	2,587.24	290.02
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	5,315.23	318.95
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	7,152.87	350.91

33 14 13 53-0253 Ductile Iron Body, Omni Coupling System (33 14 13 53)

33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	161.93	48.41
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	199.17	57.49
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	246.15	69.60
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	309.21	87.76
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	413.56	121.04
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	501.20	142.23
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	621.70	160.38
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	725.49	181.57
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	1,005.64	199.72
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	1,246.43	217.88

33 14 19 Valves and Hydrants for Water Utility Service (33 14)

Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.

33 14 19 00-0001 Water Utility Distribution Valves (33 14 19)**33 14 19 00-0002 Angle Valves (33 14 19 00-0001)**

Note: For connecting meters to water service.

33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0002)

Note: Nibco T-335Y

33 14 19 00-0004	EA	1/2" Threaded, Class 150, Bronze Angle Valve.....	108.58	20.76
33 14 19 00-0005	EA	3/4" Threaded, Class 150, Bronze Angle Valve.....	146.44	27.89
33 14 19 00-0006	EA	1" Threaded, Class 150, Bronze Angle Valve.....	196.45	34.38
33 14 19 00-0007	EA	1-1/4" Threaded, Class 150, Bronze Angle Valve.....	252.78	43.19
33 14 19 00-0008	EA	1-1/2" Threaded, Class 150, Bronze Angle Valve.....	314.80	49.94
33 14 19 00-0009	EA	2" Threaded, Class 150, Bronze Angle Valve.....	466.42	58.38
33 14 19 00-0010	EA	2-1/2" Threaded, Class 150, Bronze Angle Valve.....	743.95	79.67
33 14 19 00-0011	EA	3" Threaded, Class 150, Bronze Angle Valve.....	1,123.29	91.97

33 14 19 00-0012 Ball Meter Valves (33 14 19 00-0001)

33 14 19 00-0013	EA	3/4" Threaded Ball Meter Valve (Mueller B-20200).....	150.23	32.43
33 14 19 00-0014	EA	1" Threaded Ball Meter Valve (Mueller B-20200).....	199.06	34.38
33 14 19 00-0015	EA	1-1/2" Threaded Ball Meter Valve (Mueller B-20200).....	358.75	58.38
33 14 19 00-0016	EA	2" Threaded Ball Meter Valve (Mueller B-20200).....	470.30	59.02

33 14 19 00-0017 Butterfly Valves (33 14 19 00-0001)**33 14 19 00-0018 Lug Type Flanged, Cast Iron Disc, Butterfly Valves (33 14 19 00-0017)**

Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 14 19 00-0019	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-HD8 Modified).....	2,152.93	220.53
33 14 19 00-0020	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,C1,NBRN-NBR,150B,C1-S2*GS-6B-CW8 Modified).....	2,407.18	220.53

			Utilities	33	CS
			Water Utilities	33 10	
Water Utility Transmission and Distribution				33 14	

MINOR			TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION			UNIT COST		UNIT COST
33 14 19 00-0021	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,428.70		341.25
33 14 19 00-0022	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,680.78		341.25
33 14 19 00-0023	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,786.72		402.55
33 14 19 00-0024	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,038.80		402.55
33 14 19 00-0025	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,151.04		514.37
33 14 19 00-0026	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,401.67		514.37
33 14 19 00-0027	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,951.07		626.18
33 14 19 00-0028	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,951.07		626.18
33 14 19 00-0029	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,524.19		758.99
33 14 19 00-0030	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	4,776.26		758.99
33 14 19 00-0031	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified)	6,065.17		1,068.09
33 14 19 00-0032	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified)	6,724.34		1,068.09
33 14 19 00-0033	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified)	7,063.57		1,174.90
33 14 19 00-0034	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified)	7,871.95		1,174.90
33 14 19 00-0035	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	8,852.15		1,303.07
33 14 19 00-0036	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	9,708.34		1,303.07
33 14 19 00-0037	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	10,144.18		1,468.62
33 14 19 00-0038	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	10,998.92		1,468.62
33 14 19 00-0039		Lug Type Flanged, Ductile Iron Disc, Butterfly Valves (33 14 19 00-0017) Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin			
33 14 19 00-0040	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	16,938.48		1,802.40
33 14 19 00-0041	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified)	27,228.00		1,802.40
33 14 19 00-0042	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	16,887.63		1,802.40
33 14 19 00-0043	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	27,743.64		2,855.64
33 14 19 00-0044	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	54,793.54		3,807.52
33 14 19 00-0045	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	64,832.37		5,711.27
33 14 19 00-0046	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	82,242.78		7,139.09
33 14 19 00-0047	EA	54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	114,859.60		8,566.91
33 14 19 00-0048	EA	60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	143,911.15		10,280.29
33 14 19 00-0049	EA	72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	206,413.03		12,336.35
33 14 19 00-0050	LF	3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel	19.00		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 19 00-0051	EA	316 Stainless Steel Closing Link For Use With DeZurik Chainwheel.....	10.00	
		Note: One required per valve.		
33 14 19 00-0052		Lug Type Flanged, Butterfly Valve, Cast Iron Body, Cast Iron Disc With 316 Stainless Steel Edge (33 14 19 00-0017)		
		Note: AWWA C-504.		
33 14 19 00-0053		Aboveground Service (33 14 19 00-0052)		
33 14 19 00-0054		Valve (33 14 19 00-0053)		
33 14 19 00-0055	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504.....	2,008.37	203.05
33 14 19 00-0056	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504.....	2,196.16	340.40
33 14 19 00-0057	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504.....	2,878.07	402.55
33 14 19 00-0058	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504.....	3,385.39	514.37
33 14 19 00-0059	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504.....	4,889.58	626.18
33 14 19 00-0060	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504.....	5,168.14	760.36
33 14 19 00-0061	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504.....	8,336.72	1,068.09
33 14 19 00-0062	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504.....	9,728.38	1,174.90
33 14 19 00-0063	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504.....	12,032.82	1,091.34
33 14 19 00-0064	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504.....	14,425.73	1,229.99
33 14 19 00-0065	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504.....	19,843.59	1,509.55
33 14 19 00-0066		Valve With 120 Volt AC Electric Motor Operator (33 14 19 00-0053)		
33 14 19 00-0067	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator.....	14,523.31	203.05
33 14 19 00-0068	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator.....	14,731.56	340.40
33 14 19 00-0069	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	14,835.54	402.55
33 14 19 00-0070	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	15,296.83	514.37
33 14 19 00-0071	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	16,110.58	626.18
33 14 19 00-0072	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	18,480.92	760.36
33 14 19 00-0073	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	19,844.12	1,068.09
33 14 19 00-0074	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	21,644.93	1,174.90
33 14 19 00-0075	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	30,699.09	1,303.07
33 14 19 00-0076	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	33,667.81	1,468.62
33 14 19 00-0077		Valve With Pneumatic Or Hydraulic Motor Operator (33 14 19 00-0053)		
33 14 19 00-0078	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator.....	6,304.47	203.05
33 14 19 00-0079	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator.....	6,512.72	340.40
33 14 19 00-0080	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	6,775.24	402.55
33 14 19 00-0081	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	7,231.42	514.37
33 14 19 00-0082	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	9,927.27	626.18
33 14 19 00-0083	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	10,635.43	760.36
33 14 19 00-0084	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	11,788.94	1,068.09
33 14 19 00-0085	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	13,241.97	1,174.90
33 14 19 00-0086	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	14,286.98	1,303.07
33 14 19 00-0087	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	20,472.65	1,468.62
33 14 19 00-0088	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	33,606.44	1,509.55
33 14 19 00-0089		Buried Service (33 14 19 00-0052)		
33 14 19 00-0090	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, Buried Service.....	3,935.06	340.40
33 14 19 00-0091	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	4,166.90	402.55
33 14 19 00-0092	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	5,579.47	514.37
33 14 19 00-0093	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	8,341.80	626.18

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0094	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	8,722.65	760.36
33 14 19 00-0095	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	14,121.11	1,068.09
33 14 19 00-0096	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	16,678.85	1,174.90
33 14 19 00-0097	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	21,124.93	1,303.07
33 14 19 00-0098	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	24,799.44	1,468.62
33 14 19 00-0099	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	35,783.01	1,802.40
33 14 19 00-0100 Check Valves (33 14 19 00-0001)				
33 14 19 00-0101 Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0100)				
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.				
33 14 19 00-0102	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,819.87	173.19
33 14 19 00-0103	EA	3" Flanged, Swing Type Gravity Operated Check Valve.....	1,856.83	203.05
33 14 19 00-0104	EA	4" Flanged, Swing Type Gravity Operated Check Valve.....	2,488.65	256.80
33 14 19 00-0105	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	3,578.39	386.39
33 14 19 00-0106	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,697.86	431.53
33 14 19 00-0107	EA	6" Flanged, Swing Type Gravity Operated Check Valve.....	3,512.92	429.99
33 14 19 00-0108	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	4,637.94	488.77
33 14 19 00-0109	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	4,817.77	549.43
33 14 19 00-0110	EA	8" Flanged, Swing Type Gravity Operated Check Valve.....	5,034.82	549.43
33 14 19 00-0111	EA	10" Flanged, Swing Type Gravity Operated Check Valve.....	8,645.36	668.87
33 14 19 00-0112	EA	12" Flanged, Swing Type Gravity Operated Check Valve.....	13,227.60	501.65
33 14 19 00-0113	EA	14" Flanged, Swing Type Gravity Operated Check Valve.....	18,625.11	1,068.09
33 14 19 00-0114	EA	16" Flanged, Swing Type Gravity Operated Check Valve.....	24,902.14	1,174.90
33 14 19 00-0115	EA	18" Flanged, Swing Type Gravity Operated Check Valve.....	36,336.49	1,303.07
33 14 19 00-0116	EA	20" Flanged, Swing Type Gravity Operated Check Valve.....	42,330.63	1,468.62
33 14 19 00-0117 Threaded, Bronze, Swing Type Check Valves (33 14 19 00-0100)				
Note: Class 125. Watts WCV-2, Nibco T-413.				
33 14 19 00-0118	EA	1/4" Threaded, Bronze, Swing Type Check Valve	55.83	20.89
33 14 19 00-0119	EA	3/8" Threaded, Bronze, Swing Type Check Valve	57.82	20.89
33 14 19 00-0120	EA	1/2" Threaded, Bronze, Swing Type Check Valve	55.05	20.89
33 14 19 00-0121	EA	3/4" Threaded, Bronze, Swing Type Check Valve	73.25	28.21
33 14 19 00-0122	EA	1" Threaded, Bronze, Swing Type Check Valve	85.64	34.12
33 14 19 00-0123	EA	1-1/4" Threaded, Bronze, Swing Type Check Valve.....	119.78	43.19
33 14 19 00-0124	EA	1-1/2" Threaded, Bronze, Swing Type Check Valve.....	145.26	49.94
33 14 19 00-0125	EA	2" Threaded, Bronze, Swing Type Check Valve	188.17	58.38
33 14 19 00-0126	EA	2-1/2" Threaded, Bronze, Swing Type Check Valve.....	277.90	79.67
33 14 19 00-0127 Combination Air Release Valves (33 14 19 00-0001)				
33 14 19 00-0128	EA	1" Combination Air Release Valve.....	632.72	25.08
33 14 19 00-0129	EA	2" Combination Air Release Valve.....	1,021.57	43.00
33 14 19 00-0130 Corporation Stop And Curb Valve (33 14 19 00-0001)				
Note: AWWA C800				
33 14 19 00-0131 Ball Corporation Valves (33 14 19 00-0130)				
Note: Mueller B-25000.				
33 14 19 00-0132	EA	3/4" Ball Corporation Valve (Mueller B-25000)	86.92	25.08
33 14 19 00-0133	EA	1" Ball Corporation Valve (Mueller B-25000)	108.95	31.05
33 14 19 00-0134	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	190.76	45.39
33 14 19 00-0135	EA	2" Ball Corporation Valve (Mueller B-25000)	281.25	53.75
33 14 19 00-0136 Ground Key Corporation Valves (33 14 19 00-0130)				
Note: Mueller B-15000.				
33 14 19 00-0137	EA	1/2" Ground Key Corporation Valve.....	66.33	21.50
33 14 19 00-0138	EA	3/4" Ground Key Corporation Valve.....	73.81	25.08
33 14 19 00-0139	EA	1" Ground Key Corporation Valve.....	99.38	31.05
33 14 19 00-0140	EA	1-1/4" Ground Key Corporation Valve.....	176.23	38.22
33 14 19 00-0141	EA	1-1/2" Ground Key Corporation Valve.....	185.98	45.39
33 14 19 00-0142	EA	2" Ground Key Corporation Valve.....	281.19	53.75
33 14 19 00-0143 Ball Curb Valves (33 14 19 00-0130)				
Note: Mueller B-25204.				
33 14 19 00-0144	EA	3/4" Ball Curb Valve.....	102.75	25.08
33 14 19 00-0145	EA	1" Ball Curb Valve.....	135.93	31.05
33 14 19 00-0146	EA	1-1/2" Ball Curb Valve.....	253.21	45.39
33 14 19 00-0147	EA	2" Ball Curb Valve.....	372.70	53.75
33 14 19 00-0148 O Ring Seal Curb Valves (33 14 19 00-0130)				
Note: Mueller H-15204.				
33 14 19 00-0149	EA	3/4" O Ring Seal Curb Valve	102.75	25.08
33 14 19 00-0150	EA	1" O Ring Seal Curb Valve	143.17	31.05
33 14 19 00-0151	EA	1-1/4" O Ring Seal Curb Valve	190.61	38.22

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 14 19 00-0152	EA	1-1/2" O Ring Seal Curb Valve	253.21	45.39
33 14 19 00-0153	EA	2" O Ring Seal Curb Valve.....	372.62	53.75

33 14 19 00-0154 Gate Valve, AWWA C500 And C509 (33 14 19 00-0001)
33 14 19 00-0155 Gate Valve, Flanged (33 14 19 00-0154)

Note: Mueller A-2380-6.

33 14 19 00-0156	EA	2" Gate Valve, Flanged	1,103.30	159.21
33 14 19 00-0157	EA	2-1/2" Gate Valve, Flanged	1,296.87	173.19
33 14 19 00-0158	EA	3" Gate Valve, Flanged	1,535.44	203.05
33 14 19 00-0159	EA	4" Gate Valve, Flanged	1,940.64	254.41
33 14 19 00-0160	EA	6" Gate Valve, Flanged	2,453.47	429.99
33 14 19 00-0161	EA	8" Gate Valve, Flanged	3,673.57	549.43
33 14 19 00-0162	EA	10" Gate Valve, Flanged	5,589.20	668.87
33 14 19 00-0163	EA	12" Gate Valve, Flanged	6,742.02	501.65
33 14 19 00-0164	EA	14" Gate Valve, Flanged	15,040.63	1,068.09
33 14 19 00-0165	EA	16" Gate Valve, Flanged	19,783.24	1,174.90
33 14 19 00-0166	EA	18" Gate Valve, Flanged	31,606.69	1,303.07
33 14 19 00-0167	EA	20" Gate Valve, Flanged	37,839.78	1,468.62

33 14 19 00-0168 Resilient Wedge Gate Valve, Flanged (33 14 19 00-0154)

Note: Mueller A-2360-6.

33 14 19 00-0169	EA	2" Resilient Wedge Gate Valve, Flanged	1,052.15	159.21
33 14 19 00-0170	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	1,235.75	173.19
33 14 19 00-0171	EA	3" Resilient Wedge Gate Valve, Flanged	1,462.92	203.05
33 14 19 00-0172	EA	4" Resilient Wedge Gate Valve, Flanged	1,859.57	254.41
33 14 19 00-0173	EA	6" Resilient Wedge Gate Valve, Flanged	2,345.10	429.99
33 14 19 00-0174	EA	8" Resilient Wedge Gate Valve, Flanged	3,504.29	549.43
33 14 19 00-0175	EA	10" Resilient Wedge Gate Valve, Flanged	5,320.18	668.87
33 14 19 00-0176	EA	12" Resilient Wedge Gate Valve, Flanged	6,417.21	501.65

33 14 19 00-0177 Gate Valve, Mechanical Joint (33 14 19 00-0154)

Note: Mueller A-2380-20.

33 14 19 00-0178	EA	2" Gate Valve, Mechanical Joint	1,286.04	127.20
33 14 19 00-0179	EA	2-1/2" Gate Valve, Mechanical Joint	1,377.79	159.45
33 14 19 00-0180	EA	3" Gate Valve, Mechanical Joint	1,736.50	192.90
33 14 19 00-0181	EA	4" Gate Valve, Mechanical Joint	2,053.82	254.41
33 14 19 00-0182	EA	6" Gate Valve, Mechanical Joint	2,597.14	298.60
33 14 19 00-0183	EA	8" Gate Valve, Mechanical Joint	3,827.99	358.32
33 14 19 00-0184	EA	10" Gate Valve, Mechanical Joint	5,671.28	418.04
33 14 19 00-0185	EA	12" Gate Valve, Mechanical Joint	7,114.81	501.65
33 14 19 00-0186	EA	14" Gate Valve, Mechanical Joint	16,030.67	654.20
33 14 19 00-0187	EA	16" Gate Valve, Mechanical Joint	20,824.83	734.31
33 14 19 00-0188	EA	18" Gate Valve, Mechanical Joint	33,469.51	814.42
33 14 19 00-0189	EA	20" Gate Valve, Mechanical Joint	39,852.80	917.89

33 14 19 00-0190 Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0154)

Note: Mueller A-2360-20.

33 14 19 00-0191	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	1,227.63	127.20
33 14 19 00-0192	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	1,660.04	192.90
33 14 19 00-0193	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	1,966.36	254.41
33 14 19 00-0194	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	2,483.95	298.60
33 14 19 00-0195	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	3,651.90	358.32
33 14 19 00-0196	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	5,397.61	418.04
33 14 19 00-0197	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	6,768.82	501.65

33 14 19 00-0198 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 14 19 00-0154)

Note: Mueller A-2361.

33 14 19 00-0199	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	10,650.48	1,068.09
33 14 19 00-0200	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	11,575.19	1,174.90
33 14 19 00-0201	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	18,168.81	1,303.07
33 14 19 00-0202	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	21,705.22	1,468.62
33 14 19 00-0203	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	30,893.64	1,802.40

33 14 19 00-0204 Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 14 19 00-0154)

Note: NIBCO T-113.

33 14 19 00-0205	EA	1/4" Gate Valve, Bronze, Threaded	64.68	20.89
33 14 19 00-0206	EA	3/8" Gate Valve, Bronze, Threaded	66.67	20.89
33 14 19 00-0207	EA	1/2" Gate Valve, Bronze, Threaded	66.21	20.89
33 14 19 00-0208	EA	3/4" Gate Valve, Bronze, Threaded	85.43	28.21
33 14 19 00-0209	EA	1" Gate Valve, Bronze, Threaded	105.25	34.12
33 14 19 00-0210	EA	1-1/4" Gate Valve, Bronze, Threaded	142.62	43.19
33 14 19 00-0211	EA	1-1/2" Gate Valve, Bronze, Threaded	165.45	49.94
33 14 19 00-0212	EA	2" Gate Valve, Bronze, Threaded	200.55	58.38
33 14 19 00-0213	EA	2-1/2" Gate Valve, Bronze, Threaded	381.69	79.67
33 14 19 00-0214	EA	3" Gate Valve, Bronze, Threaded	457.03	91.38

Utilities			33	33
Water Utilities			33 10	
Water Utility Transmission and Distribution			33 14	
TOTAL DIRECT UNIT COST			DEMOLITION UNIT COST	

33 14 19 00-0215			Cast Iron Body, Gate Valve, Epoxy Lined, Flanged, 200 Lb. With Non-Rising Stem (33 14 19 00-0154) Note: Resilient Wedge, Non-rising Stem, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11 (Jenkins G-700, 701).		
33 14 19 00-0216	EA		2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	644.53	172.92
33 14 19 00-0217	EA		2-1/2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	666.47	173.19
33 14 19 00-0218	EA		3" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	752.27	203.05
33 14 19 00-0219	EA		4" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	967.53	340.40
33 14 19 00-0220	EA		5" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,193.76	362.29
33 14 19 00-0221	EA		6" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,458.06	402.55
33 14 19 00-0222	EA		8" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	2,148.78	514.37
33 14 19 00-0223	EA		10" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,033.06	626.18
33 14 19 00-0224	EA		12" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,572.45	760.36
33 14 19 00-0225			Cast Iron Body, Gate Valve, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem (33 14 19 00-0154) Note: Resilient Wedge, OS&Y, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11.		
33 14 19 00-0226	EA		2-1/2" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,040.59	173.19
33 14 19 00-0227	EA		3" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,159.38	203.05
33 14 19 00-0228	EA		4" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,618.24	340.40
33 14 19 00-0229	EA		6" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	2,438.23	402.55
33 14 19 00-0230	EA		8" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,912.18	514.37
33 14 19 00-0231	EA		10" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	5,968.72	626.18
33 14 19 00-0232	EA		12" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	9,760.87	760.36
33 14 19 00-0233			Globe Valve, AWWA (33 14 19 00-0001)		
33 14 19 00-0234			Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 14 19 00-0233) Note: NIBCO T-235.		
33 14 19 00-0235	EA		1/8" Globe Valve, Threaded	90.70	20.89
33 14 19 00-0236	EA		1/4" Globe Valve, Threaded	86.70	20.89
33 14 19 00-0237	EA		3/8" Globe Valve, Threaded	88.69	20.89
33 14 19 00-0238	EA		1/2" Globe Valve, Threaded	90.70	20.89
33 14 19 00-0239	EA		3/4" Globe Valve, Threaded	123.15	28.21
33 14 19 00-0240	EA		1" Globe Valve, Threaded	172.04	34.12
33 14 19 00-0241	EA		1-1/4" Globe Valve, Threaded	250.57	43.19
33 14 19 00-0242	EA		1-1/2" Globe Valve, Threaded	298.89	49.94
33 14 19 00-0243	EA		2" Globe Valve, Threaded	415.44	58.38
33 14 19 00-0244	EA		2-1/2" Globe Valve, Threaded	758.74	79.67
33 14 19 00-0245	EA		3" Globe Valve, Threaded	1,036.38	91.85
33 14 19 00-0246			Tapping Valve, AWWA C500 And C509 (33 14 19 00-0001)		
33 14 19 00-0247			Tapping Valve, AWWA C500 And C509 (33 14 19 00-0246) Note: Resilient inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0248	EA		2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,590.80	159.21
33 14 19 00-0249	EA		3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,050.56	203.05
33 14 19 00-0250	EA		4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,438.22	254.41
33 14 19 00-0251	EA		6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,213.83	429.99
33 14 19 00-0252	EA		8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,648.74	549.43
33 14 19 00-0253	EA		10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,774.26	668.87
33 14 19 00-0254	EA		12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,078.92	501.65
33 14 19 00-0255	EA		14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	18,472.95	1,068.09
33 14 19 00-0256	EA		16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	23,417.78	1,174.90
33 14 19 00-0257	EA		18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	38,051.35	1,303.07
33 14 19 00-0258			Yokes And Angles (33 14 19 00-0001)		
33 14 19 00-0259			Yoke, Meter (33 14 19 00-0258)		
33 14 19 00-0260	EA		Yoke, Meter, 5/8"	58.82	19.46
33 14 19 00-0261	EA		Yoke, Meter, 3/4"	66.59	21.40
33 14 19 00-0262	EA		Yoke, Meter, 1"	86.85	24.65
33 14 19 00-0263			Angles And Ells (33 14 19 00-0258)		
33 14 19 00-0264	EA		1-1/2" Flanged Angle, ELL	139.45	13.62
33 14 19 00-0265	EA		ELL, Yoke, With Female I.P.T	43.10	11.67
33 14 19 00-0266			Accessories For Valves (33 14 19)		

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 19 00-0267	EA	1' Valve Extension Stem <i>For Each Additional LF, Add</i>	115.21 9.04	
33 14 19 00-0268	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,714.89	119.44
33 14 19 00-0269	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,944.89	131.39
33 14 19 00-0270	EA	Adjust Water Valve Box To Grade	119.44	

33 14 19 00-0271 **Fire Hydrants** (33 14 19)
 Note: Breakaway type.

33 14 19 00-0272 **Three Way, Standard (Traditional) Model Fire Hydrant** (33 14 19 00-0271)
 Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0273	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,750.18	313.09
33 14 19 00-0274	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,819.85	313.09
33 14 19 00-0275	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,889.71	313.09
33 14 19 00-0276	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,981.59	335.45
33 14 19 00-0277	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,051.33	335.45
33 14 19 00-0278	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,149.10	363.41
33 14 19 00-0279	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,218.74	363.41
33 14 19 00-0280	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,316.52	391.36
33 14 19 00-0281	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,386.26	391.36
33 14 19 00-0282	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,483.85	419.32
33 14 19 00-0283	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,581.52	447.27
33 14 19 00-0284	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,707.04	503.18
33 14 19 00-0285	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,813.76	313.09
33 14 19 00-0286	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,904.18	313.09
33 14 19 00-0287	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,994.38	313.09
33 14 19 00-0288	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,106.94	335.45
33 14 19 00-0289	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,197.14	335.45
33 14 19 00-0290	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,315.63	363.41
33 14 19 00-0291	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,405.72	363.41
33 14 19 00-0292	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,523.96	391.36
33 14 19 00-0293	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,614.13	391.36
33 14 19 00-0294	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,732.13	419.32
33 14 19 00-0295	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,850.51	447.27
33 14 19 00-0296	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,996.46	503.18

33 14 19 00-0297 **Two Way, Standard (Traditional) Model Fire Hydrant** (33 14 19 00-0271)
 Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0298	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,367.72	313.09
33 14 19 00-0299	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,437.15	313.09
33 14 19 00-0300	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,506.98	313.09
33 14 19 00-0301	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,599.15	335.45
33 14 19 00-0302	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,668.67	335.45
33 14 19 00-0303	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,766.29	363.41
33 14 19 00-0304	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,836.03	363.41
33 14 19 00-0305	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,933.88	391.36
33 14 19 00-0306	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,003.47	391.36
33 14 19 00-0307	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,101.44	419.32
33 14 19 00-0308	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,198.66	447.27
33 14 19 00-0309	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,324.34	503.18
33 14 19 00-0310	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,465.94	313.09
33 14 19 00-0311	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,556.16	313.09
33 14 19 00-0312	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,646.25	313.09
33 14 19 00-0313	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,759.03	335.45
33 14 19 00-0314	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,849.00	335.45
33 14 19 00-0315	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,967.34	363.41
33 14 19 00-0316	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,057.36	363.41
33 14 19 00-0317	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,175.89	391.36
33 14 19 00-0318	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,265.86	391.36
33 14 19 00-0319	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,384.18	419.32
33 14 19 00-0320	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,502.10	447.27
33 14 19 00-0321	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,648.55	503.18

33 14 19 00-0322 **Three Way, Modern Model Fire Hydrant** (33 14 19 00-0271)
 Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0323	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,912.79	313.09
33 14 19 00-0324	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,002.87	313.09
33 14 19 00-0325	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,093.23	313.09
33 14 19 00-0326	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,205.83	335.45
33 14 19 00-0327	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,295.98	335.45
33 14 19 00-0328	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,414.14	363.41
33 14 19 00-0329	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,504.41	363.41
33 14 19 00-0330	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,622.58	391.36
33 14 19 00-0331	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,712.76	391.36
33 14 19 00-0332	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,830.91	391.36
33 14 19 00-0333	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,949.33	447.27
33 14 19 00-0334	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant.....	5,094.34	447.27

33 14 19 00-0335 **Two Way, Modern Model Fire Hydrant** (33 14 19 00-0271)
 Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0336	EA		1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,783.20	313.09
33 14 19 00-0337	EA		2' Burial Section, Two Way, Modern Type Fire Hydrant	2,851.75	313.09
33 14 19 00-0338	EA		2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,921.07	313.09
33 14 19 00-0339	EA		3' Burial Section, Two Way, Modern Type Fire Hydrant	3,011.18	335.45
33 14 19 00-0340	EA		3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,079.72	335.45
33 14 19 00-0341	EA		4' Burial Section, Two Way, Modern Type Fire Hydrant	3,176.21	363.41
33 14 19 00-0342	EA		4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,244.72	363.41
33 14 19 00-0343	EA		5' Burial Section, Two Way, Modern Type Fire Hydrant	3,341.29	391.36
33 14 19 00-0344	EA		5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,409.63	391.36
33 14 19 00-0345	EA		6' Burial Section, Two Way, Modern Type Fire Hydrant	3,506.14	419.32
33 14 19 00-0346	EA		6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,602.72	447.27
33 14 19 00-0347	EA		7' Burial Section, Two Way, Modern Type Fire Hydrant	3,726.31	503.18
33 14 19 00-0348 Fire Hydrant Extension Kits (33 14 19 00-0271)					
33 14 19 00-0349	EA		6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	580.31	27.95
33 14 19 00-0350	EA		12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	689.50	34.94
33 14 19 00-0351	EA		18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	752.05	41.94
33 14 19 00-0352	EA		24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	854.81	51.72
33 14 19 00-0353	EA		30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,290.84	53.81
33 14 19 00-0354	EA		36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,378.70	55.91
33 14 19 00-0355	EA		42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,399.66	58.70
33 14 19 00-0356	EA		48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,478.34	62.89
33 14 19 00-0357	EA		54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,629.82	75.48
33 14 19 00-0358	EA		60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,719.91	90.85
33 14 19 00-0359	EA		6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	645.55	31.31
33 14 19 00-0360	EA		12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	764.44	38.02
33 14 19 00-0361	EA		18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	877.19	45.84
33 14 19 00-0362	EA		24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	980.61	57.03
33 14 19 00-0363	EA		30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,342.73	59.27
33 14 19 00-0364	EA		36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,431.71	61.50
33 14 19 00-0365	EA		42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,492.96	64.86
33 14 19 00-0366	EA		48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,746.26	69.33
33 14 19 00-0367	EA		54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,913.80	82.74
33 14 19 00-0368	EA		60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	2,010.91	99.52
33 14 19 00-0369 Removal And Reinstallation Of Standard Fire Hydrant (33 14 19 00-0271)					
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.					
33 14 19 00-0370	EA		Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	894.54	
33 14 19 00-0371	EA		>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,304.54	
33 14 19 00-0372	EA		Reset Fire Hydrant Upper Barrel	1,425.88	
Note: Includes Safety Repair Kit					
33 14 19 00-0373 Yard Hydrants (33 14 19)					
Note: With 3/4" hose thread outlet.					
33 14 19 00-0374	EA		2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	392.32	38.92
33 14 19 00-0375	EA		4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	421.16	38.92
33 14 19 00-0376	EA		6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	449.99	38.92
33 14 19 00-0377	EA		2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	363.83	49.29
33 14 19 00-0378	EA		4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	381.03	49.29
33 14 19 00-0379	EA		6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	398.22	49.29
33 14 19 00-0380 Sanitary Yard Hydrants (33 14 19)					
Note: With 3/4" hose thread outlet.					
33 14 19 00-0381	EA		2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,758.12	81.08
33 14 19 00-0382	EA		4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,848.23	81.08
33 14 19 00-0383	EA		6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,938.34	81.08
33 14 19 00-0384 Flushing Hydrants (33 14 19)					
33 14 19 00-0385	EA		2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	901.00	49.87
33 14 23 Enclosures for Water Utility Piping and Valves (33 14)					
Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0380 for Enclosures.					
33 14 23 00-0001 Roadway Utility Box (33 14 23)					
33 14 23 00-0002 Utility Box (33 14 23 00-0001)					
Note: Christy Concrete Products.					
33 14 23 00-0003 B3 Utility Box, 9-3/8" x 15-1/2" (33 14 23 00-0002)					
33 14 23 00-0004	EA		9-3/8" x 15-1/2" Precast Concrete Utility Box	130.88	59.06
33 14 23 00-0005	EA		Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	132.16	6.57
33 14 23 00-0006	EA		Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	54.99	6.57
33 14 23 00-0007	EA		Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	289.05	6.57
33 14 23 00-0008	EA		12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	77.96	13.12
33 14 23 00-0009	EA		3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	112.06	13.12
33 14 23 00-0010 B9 Utility Box, 10-1/4" x 17-1/4" (33 14 23 00-0002)					
33 14 23 00-0011	EA		10-1/4" x 17-1/4" Precast Concrete Utility Box	158.76	78.75

33 Utilities**33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 14 23 00-0012	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....	154.82	7.87
33 14 23 00-0013	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	61.04	7.87
33 14 23 00-0014	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box.....	303.24	6.57
33 14 23 00-0015	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....	87.33	13.12
33 14 23 00-0016	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	116.95	19.69
33 14 23 00-0017	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box.....	138.53	36.09

33 14 23 00-0018 B12 Utility Box, 12" x 20" (33 14 23 00-0002)

33 14 23 00-0019	EA	12" x 20" Precast Concrete Utility Box.....	174.52	85.30
33 14 23 00-0020	EA	Cast Iron Lid For 12" x 20" Utility Box	278.79	9.84
33 14 23 00-0021	EA	Reinforced Concrete Lid For 12" x 20" Utility Box.....	81.86	13.12
33 14 23 00-0022	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box	407.85	13.12
33 14 23 00-0023	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	180.64	45.93

33 14 23 00-0024 B16 Utility Box, 12" x 22-1/4" (33 14 23 00-0002)

33 14 23 00-0025	EA	12" x 22-1/4" Precast Concrete Utility Box.....	200.89	99.74
33 14 23 00-0026	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box	315.01	13.12
33 14 23 00-0027	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box.....	101.20	13.12
33 14 23 00-0028	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	410.15	13.12
33 14 23 00-0029	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	142.07	22.32
33 14 23 00-0030	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	183.85	45.93

33 14 23 00-0031 B30 Utility Box, 13-1/4" x 24" (33 14 23 00-0002)

33 14 23 00-0032	EA	13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	242.01	118.11
33 14 23 00-0033	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	136.27	21.00
33 14 23 00-0034	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	507.04	17.06
33 14 23 00-0035	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL).....	142.07	22.32
33 14 23 00-0036	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	217.62	36.75
33 14 23 00-0037	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6).....	169.98	24.93
33 14 23 00-0038	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12).....	238.22	59.06

33 14 23 00-0039 B36 Utility Box, 17-1/4" x 30" (33 14 23 00-0002)

33 14 23 00-0040	EA	17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	316.29	149.61
33 14 23 00-0041	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	222.03	36.09
33 14 23 00-0042	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D)	635.58	24.93
33 14 23 00-0043	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL).....	199.97	47.25
33 14 23 00-0044	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA)	338.59	52.49
33 14 23 00-0045	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12).....	318.09	76.12

33 14 23 00-0046 B40 Utility Box, 24-1/2" x 36" (33 14 23 00-0002)

33 14 23 00-0047	EA	24-1/2" x 36" Precast Concrete Utility Box.....	654.70	230.98
33 14 23 00-0048	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box.....	607.69	86.62
33 14 23 00-0049	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	902.75	38.05
33 14 23 00-0050	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	496.78	81.37
33 14 23 00-0051	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	527.08	85.30

33 14 23 00-0052 B48 Utility Box, 30-1/4" x 48-1/4" (33 14 23 00-0002)

33 14 23 00-0053	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box.....	827.82	262.47
33 14 23 00-0054	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	837.46	143.05
33 14 23 00-0055	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	1,056.21	143.05
33 14 23 00-0056	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	1,429.14	65.62
33 14 23 00-0057	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	721.50	177.17
33 14 23 00-0058	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	651.34	119.43

33 14 23 00-0059 B65 Utility Box, 15" x 26-1/2" (33 14 23 00-0002)

33 14 23 00-0060	EA	15" x 26-1/2" Precast Concrete Utility Box.....	215.67	149.61
33 14 23 00-0061	EA	Reinforced Concrete Lid For 15" x 26-1/2" Utility Box.....	130.82	36.09
33 14 23 00-0062	EA	Steel Checkered Plate Cover For 15" x 26-1/2" Utility Box	391.14	24.93
33 14 23 00-0063	EA	20" x 34" Reinforced Concrete Slab For 15" x 26-1/2" Utility Box	199.97	47.25
33 14 23 00-0064	EA	6" High Reinforced Concrete Base For 15" x 26-1/2" Utility Box	338.59	52.50
33 14 23 00-0065	EA	12" High Reinforced Concrete Extension For 15" x 26-1/2" Utility Box	232.15	76.12

33 14 23 00-0066 Roadway Or Curb Valve Boxes (33 14 23)

See CSI section 22 05 19 00-0000 for metering.

33 14 23 00-0067 Round Head, Cast Iron Service, Roadway Or Valve Boxes (33 14 23 00-0066)

33 14 23 00-0068	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	234.78	15.76
Note: Includes cover, top section and bottom section.				
33 14 23 00-0069	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	272.10	15.76
Note: Includes cover, top section and bottom section.				
33 14 23 00-0070	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	273.82	15.76
Note: Includes cover, top section and bottom section.				
33 14 23 00-0071	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	71.39	7.88
33 14 23 00-0072	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	81.27	7.88
33 14 23 00-0073	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	96.14	7.88

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0074	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box Note: Includes cover, top section and bottom section.	352.99	19.71
33 14 23 00-0075	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	609.67	27.59
33 14 23 00-0076	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	679.27	27.59
33 14 23 00-0077	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	366.79	19.71
33 14 23 00-0078	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	383.42	19.71
33 14 23 00-0079	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	370.72	19.71
33 14 23 00-0080	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	134.55	7.88
33 14 23 00-0081	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	228.54	32.43
33 14 23 00-0082	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	236.10	33.73
33 14 23 00-0083	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	262.73	35.02
33 14 23 00-0084	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	358.42	36.97
33 14 23 00-0085	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	431.41	38.92
33 14 23 00-0086	EA	18" Cast Iron Service Box Extension Section	100.60	
33 14 23 00-0087 Plastic Roadway Grade Water Meter Box And Cover (33 14 23 00-0086)				
33 14 23 00-0088	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	323.61	45.40
33 14 23 00-0089	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	243.17	32.43
33 14 23 00-0090	EA	Cast Iron Lid For Plastic Meter Box	72.12	
33 14 23 00-0091 Traffic Valve Box And Lid (33 14 23 00-0086)				
33 14 23 00-0092	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	231.90	
33 14 23 00-0093	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	746.19	
33 14 23 00-0094 Curb Box Components (33 14 23 00-0086)				
33 14 23 00-0095	EA	Curb Box Bolt.....	11.89	
33 14 23 00-0096	EA	Curb Box Cover	17.56	
33 14 23 00-0097	EA	Curb Box Foot Piece.....	12.66	
33 14 23 00-0098	EA	Curb Box Guide Ring.....	10.82	
33 14 23 00-0099	EA	Curb Box Rod	52.72	
33 14 23 00-0100	EA	Curb Box Top Section.....	73.41	
33 14 23 00-0101	EA	Curb Box Bottom Section	77.25	
33 14 23 00-0102	EA	Curb Box Pin, Secures Rod To Curb Box.....	10.87	
33 14 23 00-0103 Valve Box Components (33 14 23 00-0086)				
33 14 23 00-0104	EA	Valve Box Upper And Lower Section.....	148.54	
33 14 23 00-0105	EA	Valve Box Cover "Water"	24.48	
33 14 23 00-0106	EA	Valve Box Lower Section, 4-1/2" x 6" Cutout.....	116.25	
33 14 23 00-0107	EA	Valve Box Top Section	59.65	
33 14 23 00-0108	EA	Valve Box Extension, 17".....	70.74	
33 14 23 00-0109	EA	Meter, Cover, Single, Remote Sensor	47.68	
33 14 23 00-0110	EA	Meter, Frame, Double, 15" Diameter	95.27	
33 14 23 00-0111	EA	Meter, Frame, Double, 18" Diameter	93.22	
33 14 23 00-0112	EA	Meter, Frame, Double, 21" Diameter	206.24	
33 14 23 00-0113	EA	Extension Ring, 18" Meter Frame, 24" Pit	182.68	
33 14 23 00-0114	EA	Meter, Housing, Concrete Or Clay, 21" Diameter	293.65	
33 14 23 00-0115	EA	Meter, Housing, Clay, 24" Diameter.....	491.68	
33 14 23 00-0116	EA	Meter, Housing, PE, 18" Diameter.....	137.95	
33 14 23 00-0117	EA	Meter, Housing, PE, 24" Diameter.....	222.37	
33 14 23 00-0118 Roadway Valve Box Cover Adjustment (33 14 23)				
Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0001 for sawcutting pavemet if required, 32 12 16 13-0023 for Hand Placed Hot Mixed Asphalt 3,954 Lb./CY.				
33 14 23 00-0119	EA	Up To 3" Rise, Up To 6" Diameter, Adjustment To Roadway Valve Cover.....	320.12	
33 14 23 00-0120 Roadway Utility Box Cover Adjustment (33 14 23)				
Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0001 for sawcutting pavemet if required, 32 12 16 13-0023 for Hand Placed Hot Mixed Asphalt 3,954 Lb./CY.				
33 14 23 00-0121	EA	Up To 6" Rise, Up To 2 SF, Adjustment To Roadway Utility Cover	640.88	
33 14 23 00-0122	EA	Up To 6" Rise, >2 To 4 SF, Adjustment To Roadway Utility Cover.....	818.25	
33 14 23 00-0123	EA	Up To 6" Rise, >4 To 6 SF, Adjustment To Roadway Utility Cover.....	1,169.11	
33 14 23 00-0124	EA	Up To 6" Rise, >6 To 10 SF, Adjustment To Roadway Utility Cover.....	1,425.43	

33 16 Water Utility Storage Tanks (33 10)

33 16 23 Ground-Level Steel Water Storage Tanks (33 16) See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 19 Water Utility Metering Equipment (33 10)

33 19 13 Positive Displacement Water Meters (33 19)

33 19 13 23 Nutating Disc Water Meters (33 19 13)

33 Utilities**33 10 Water Utilities****33 19 Water Utility Metering Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 19 13 23-0001	Bronze Disk Type Water Service Meters (33 19 13 23)		
33 19 13 23-0002	EA 5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	336.40	67.45
33 19 13 23-0003	EA 3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	422.76	80.42
33 19 13 23-0004	EA 1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	567.48	92.10
33 19 13 23-0005	EA 1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,103.45	137.50
33 19 13 23-0006	EA 2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,495.01	179.01

33 19 13 23-0007	Magnetic Driven, Positive Displacement Type Water Service Meters (33 19 13 23)		
33 19 13 23-0008	EA 5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	602.52	67.45
	For Owner Furnished Material, Deduct	-534.24	
33 19 13 23-0009	EA 3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	687.11	80.42
	For Owner Furnished Material, Deduct	-606.03	
33 19 13 23-0010	EA 1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	1,022.54	92.10
	For Owner Furnished Material, Deduct	-929.88	
33 19 13 23-0011	EA 1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	1,730.14	137.50
	For Owner Furnished Material, Deduct	-1,592.14	
33 19 13 23-0012	EA 2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	2,142.13	179.01
	For Owner Furnished Material, Deduct	-1,961.97	
33 19 13 23-0013	EA Electronic Transmitter	487.70	32.43
	Note: For use with transmitting meter valve.		
	For Owner Furnished Material, Deduct	-455.27	

33 19 16 Velocity-Type Water Meters (33 19)**33 19 16 13 Single-Jet Water Meters** (33 19 16)

33 19 16 13-0001	Small/Large Spectrum Water Service Meter (33 19 16 13)		
	Note: Metron-Farnier.		
33 19 16 13-0002	EA 1-1/2" Diameter, 0 - 100 GPM, Flanged, Spectrum Water Meter	1,897.67	136.20
	Note: Metron-Farnier #Spectrum 50.		
33 19 16 13-0003	EA 2" Diameter, 0 - 125 GPM, Flanged, Spectrum Water Meter	2,718.41	172.92
	Note: Metron-Farnier #Spectrum 88.		
33 19 16 13-0004	EA 2" Diameter, 0 - 185 GPM, Flanged, Spectrum Water Meter	3,281.28	172.92
	Note: Metron-Farnier #Spectrum 130.		
33 19 16 13-0005	EA 3" Diameter, 0 - 320 GPM, Flanged, Spectrum Water Meter	4,417.61	203.05
	Note: Metron-Farnier #Spectrum 175.		
33 19 16 13-0006	EA 3" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter	4,589.03	203.05
	Note: Metron-Farnier #Spectrum 260.		
33 19 16 13-0007	EA 4" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter	6,409.48	317.72
	Note: Metron-Farnier #Spectrum 260.		
33 19 16 13-0008	EA 4" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter	10,541.45	317.72
	Note: Metron-Farnier #Spectrum 440.		
33 19 16 13-0009	EA 6" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter	13,231.67	429.99
	Note: Metron-Farnier #Spectrum 440.		
33 19 16 13-0010	EA 8" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter	16,447.45	549.43
	Note: Metron-Farnier #Spectrum 440.		

33 19 16 23 Turbine Water Meters (33 19 16)

33 19 16 23-0001	Flanged Turbine Water Service Meter (33 19 16 23)		
33 19 16 23-0002	Vertical Turbine Meters (33 19 16 23-0001)		
33 19 16 23-0003	EA 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	1,323.24	125.41
33 19 16 23-0004	EA 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	1,861.25	159.21
33 19 16 23-0005	EA 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	3,449.00	203.05
33 19 16 23-0006	EA 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	5,140.81	317.72
33 19 16 23-0007	EA 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	9,773.27	429.99

33 19 16 23-0008	Horizontal Turbine Meters (33 19 16 23-0001)		
33 19 16 23-0009	EA 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	2,100.63	125.41
33 19 16 23-0010	EA 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	2,971.07	159.21
33 19 16 23-0011	EA 3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	3,893.95	203.05
33 19 16 23-0012	EA 4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	5,728.97	317.72
33 19 16 23-0013	EA 6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	11,916.20	429.99
33 19 16 23-0014	EA 8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	15,946.24	549.43
33 19 16 23-0015	EA 10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	22,303.67	668.87
33 19 16 23-0016	EA 12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	26,811.84	1,054.66

33 19 19 Compound Water Meters (33 19)

33 19 19 00-0001	Flanged Compound Type Water Service Meter (33 19 19)		
33 19 19 00-0002	EA 2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,635.68	159.21
33 19 19 00-0003	EA 3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	6,814.28	203.05
33 19 19 00-0004	EA 4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	11,272.98	317.72
33 19 19 00-0005	EA 6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	15,772.46	429.99
33 19 19 00-0006	EA 8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	32,562.93	549.43
33 19 19 00-0007	EA 10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	55,884.82	668.87

33 19 23 Magnetic Water Meters (33 19)

33 19 23 00-0001	Flanged Electromagnetic Flow (EMF) Water Meter (33 19 23)		
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				Utilities	33	CS
				Water Utilities	33 10	
				Water Utility Metering Equipment	33 19	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
				UNIT COST	UNIT COST	
33 19 23 00-0002	EA		2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	9,008.27	159.21	
33 19 23 00-0003	EA		3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	12,709.56	203.05	
33 19 23 00-0004	EA		4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	14,598.99	317.72	
33 19 26 Ultrasonic Water Meters (33 19)						
33 19 26 00-0001			Ultrasonic Water Service Meters (Mastermeter Oactive) (33 19 26)			
33 19 26 00-0002	EA		3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Oactive).....	4,569.13	203.05	
33 19 26 00-0003	EA		4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Oactive).....	5,274.57	317.72	
33 19 26 00-0004	EA		6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Oactive).....	7,758.29	429.99	
33 19 26 00-0005	EA		8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Oactive).....	11,167.29	549.43	
33 30 Sanitary Sewerage Utilities (33)						
33 31 Sanitary Sewerage Piping (33 30)						
33 31 11			Public Sanitary Sewerage Gravity Piping (33 31)			
Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31						
23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.						
33 31 11 00-0001			Plastic Sewer And Drain Piping (33 31 11)			
Note: Includes detectable tracer wire.						
33 31 11 00-0002			Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)			
33 31 11 00-0003	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	10.77	4.34	
33 31 11 00-0004	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	13.08	5.11	
33 31 11 00-0005	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	18.25	6.20	
33 31 11 00-0006	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	22.88	7.24	
33 31 11 00-0007	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	31.51	8.42	
33 31 11 00-0008	LF		8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	42.45	9.78	
33 31 11 00-0009	LF		10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	58.44	10.13	
33 31 11 00-0010	LF		12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	77.12	10.49	
33 31 11 00-0011			Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)			
Note: D-2729 PVC pipe.						
33 31 11 00-0012	LF		3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	13.70	6.20	
33 31 11 00-0013	LF		4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	16.08	7.24	
33 31 11 00-0014	LF		6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	20.00	8.42	
33 31 11 00-0015			Polyvinyl Chloride (PVC) Sewer And Drain Fittings (33 31 11 00-0001)			
33 31 11 00-0016			1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0017	EA		1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.23	15.04	
33 31 11 00-0018	EA		2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	40.12	19.45	
33 31 11 00-0019	EA		3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	73.43	26.12	
33 31 11 00-0020	EA		4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	117.78	30.19	
33 31 11 00-0021	EA		6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	500.37	39.24	
33 31 11 00-0022	EA		8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	835.34	52.80	
33 31 11 00-0023	EA		10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,102.51	70.32	
33 31 11 00-0024			1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0025	EA		1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	33.23	15.04	
33 31 11 00-0026	EA		2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	39.95	19.45	
33 31 11 00-0027	EA		3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	70.43	26.12	
33 31 11 00-0028	EA		4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	103.10	30.19	
33 31 11 00-0029	EA		6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	463.01	39.24	
33 31 11 00-0030	EA		8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	748.51	52.80	
33 31 11 00-0031	EA		10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	847.08	70.32	
33 31 11 00-0032	EA		12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,263.17	93.65	
33 31 11 00-0033			Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0034	EA		1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	55.58	14.81	
33 31 11 00-0035	EA		2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	54.13	19.45	
33 31 11 00-0036	EA		3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	109.45	26.12	
33 31 11 00-0037	EA		4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	183.83	30.19	
33 31 11 00-0038	EA		6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	372.79	39.24	
33 31 11 00-0039	EA		8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	667.68	52.80	
33 31 11 00-0040	EA		10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,099.50	70.32	
33 31 11 00-0041	EA		12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,671.68	93.65	
33 31 11 00-0042			1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)			
33 31 11 00-0043	EA		1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	37.50	15.04	
33 31 11 00-0044	EA		2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	44.30	19.45	
33 31 11 00-0045	EA		3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	82.90	26.12	
33 31 11 00-0046	EA		4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	126.25	30.19	
33 31 11 00-0047	EA		6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	624.64	39.24	
33 31 11 00-0048	EA		8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,016.26	52.80	
33 31 11 00-0049	EA		10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,143.70	70.32	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 31 11 00-0050	EA	12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,164.31	93.65
33 31 11 00-0051 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)				
33 31 11 00-0052	EA	2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	43.13	17.16
33 31 11 00-0053	EA	3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	86.12	20.48
33 31 11 00-0054	EA	3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	80.27	22.59
33 31 11 00-0055	EA	4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	128.81	24.69
33 31 11 00-0056	EA	4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	137.96	28.01
33 31 11 00-0057	EA	6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	441.16	34.67
33 31 11 00-0058	EA	8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	947.46	45.97
33 31 11 00-0059	EA	10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	201.84	50.20
33 31 11 00-0060	EA	10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	279.49	54.75
33 31 11 00-0061	EA	10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	261.59	61.49
33 31 11 00-0062	EA	12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	978.42	66.47
33 31 11 00-0063	EA	12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,032.40	73.21
33 31 11 00-0064	EA	12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,091.72	81.99
33 31 11 00-0065 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)				
33 31 11 00-0066	EA	1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	49.56	22.72
33 31 11 00-0067	EA	2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	66.19	29.40
33 31 11 00-0068	EA	3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	117.25	38.78
33 31 11 00-0069	EA	4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	184.77	48.16
33 31 11 00-0070	EA	6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	733.95	52.80
33 31 11 00-0071	EA	8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	952.02	70.32
33 31 11 00-0072 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)				
33 31 11 00-0073	EA	1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	65.07	22.72
33 31 11 00-0074	EA	2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	75.21	29.40
33 31 11 00-0075	EA	3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	128.77	38.78
33 31 11 00-0076	EA	4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	203.61	48.16
33 31 11 00-0077	EA	6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	663.24	52.80
33 31 11 00-0078	EA	8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	817.70	70.32
33 31 11 00-0079	EA	10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,075.21	93.83
33 31 11 00-0080	EA	12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,705.72	125.23
33 31 11 00-0081 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)				
33 31 11 00-0082	EA	2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	89.42	22.72
33 31 11 00-0083	EA	2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	98.89	29.40
33 31 11 00-0084	EA	3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	112.76	38.78
33 31 11 00-0085	EA	4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	177.76	48.16
33 31 11 00-0086	EA	4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	195.44	48.16
33 31 11 00-0087 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)				
33 31 11 00-0088	EA	1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	110.06	29.40
33 31 11 00-0089	EA	2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	143.11	38.78
33 31 11 00-0090	EA	3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	297.79	52.34
33 31 11 00-0091	EA	4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	539.62	63.31
33 31 11 00-0092	EA	2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	135.77	38.78
33 31 11 00-0093	EA	3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	241.75	52.34
33 31 11 00-0094	EA	4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	447.06	63.31
33 31 11 00-0095 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)				
33 31 11 00-0096	EA	1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	84.42	22.72
33 31 11 00-0097	EA	2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	105.39	29.40
33 31 11 00-0098	EA	3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	219.49	38.78
33 31 11 00-0099	EA	4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	407.08	48.16
33 31 11 00-0100	EA	2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	171.11	29.40
33 31 11 00-0101	EA	3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	279.01	38.78
33 31 11 00-0102	EA	3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	196.21	38.78
33 31 11 00-0103	EA	4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	379.18	48.16
33 31 11 00-0104	EA	4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	404.70	48.16
33 31 11 00-0105 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)				
33 31 11 00-0106	EA	1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	125.08	29.40
33 31 11 00-0107	EA	2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	144.78	38.78
33 31 11 00-0108	EA	3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	228.90	52.34
33 31 11 00-0109	EA	4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	887.53	63.31
33 31 11 00-0110	EA	6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	2,982.47	70.09
33 31 11 00-0111 Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)				
33 31 11 00-0112	EA	4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	670.37	119.85
33 31 11 00-0113	EA	6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	1,657.39	154.63
33 31 11 00-0114	EA	8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	2,101.71	217.89

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0115	EA	10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	2,879.83	350.51
33 31 11 00-0116		Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0117	EA	1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	30.17	15.04
33 31 11 00-0118	EA	2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	37.45	19.33
33 31 11 00-0119	EA	3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	60.63	25.89
33 31 11 00-0120	EA	4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	80.96	30.19
33 31 11 00-0121	EA	6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	256.06	39.24
33 31 11 00-0122	EA	8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	648.70	52.80
33 31 11 00-0123	EA	10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	988.12	70.32
33 31 11 00-0124	EA	12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain	1,644.08	93.65
33 31 11 00-0125		Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0126	EA	4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting	147.10	83.85
33 31 11 00-0127	EA	2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting	102.83	63.78
33 31 11 00-0128	EA	2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting	105.95	63.78
33 31 11 00-0129	EA	3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting	114.22	63.78
33 31 11 00-0130	EA	4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	149.37	83.85
33 31 11 00-0131	EA	4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	142.75	83.85
33 31 11 00-0132	EA	4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting	131.87	83.85
33 31 11 00-0133	EA	4" Drain Grate, Drain And Sewer Fitting	72.74	43.12
33 31 11 00-0134		Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0135	EA	3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	43.23	16.17
33 31 11 00-0136	EA	4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	73.17	20.13
33 31 11 00-0137	EA	6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting	141.85	26.00
33 31 11 00-0138		Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)		
33 31 11 00-0139	EA	1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	26.34	15.04
33 31 11 00-0140	EA	2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.32	19.45
33 31 11 00-0141	EA	3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	51.53	26.12
33 31 11 00-0142	EA	4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	68.87	30.19
33 31 11 00-0143	EA	6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	121.29	39.24
33 31 11 00-0144	EA	8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	480.99	52.80
33 31 11 00-0145		Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)		
Note: ASTM 3034.				
33 31 11 00-0146	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	18.29	7.24
		For SDR 26, Add	0.75	
33 31 11 00-0147	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	24.12	8.42
		For SDR 26, Add	1.43	
33 31 11 00-0148	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	31.95	9.78
		For SDR 26, Add	2.43	
33 31 11 00-0149	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	38.84	10.13
		For SDR 26, Add	3.64	
33 31 11 00-0150	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	47.13	10.49
		For SDR 26, Add	5.13	
33 31 11 00-0151	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	60.94	10.86
		For SDR 26, Add	7.69	
33 31 11 00-0152	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	76.76	11.25
33 31 11 00-0153	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	99.24	12.22
33 31 11 00-0154	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	120.05	13.18
33 31 11 00-0155	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	149.10	15.46
33 31 11 00-0156		Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0001)		
Note: ASTM 3034.				
33 31 11 00-0157	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	17.49	7.24
		For SDR 26, Add	0.59	
33 31 11 00-0158	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	22.88	8.42
		For SDR 26, Add	1.19	
33 31 11 00-0159	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	30.14	9.78
		For SDR 26, Add	2.07	
33 31 11 00-0160		Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings (33 31 11 00-0001)		
Note: ASTM 3034.				
33 31 11 00-0161		1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0162	EA	4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	89.42	27.44
		For SDR 26, Add	4.19	
33 31 11 00-0163	EA	6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	133.53	31.91
		For SDR 26, Add	7.71	
33 31 11 00-0164	EA	8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	282.86	36.15
		For SDR 26, Add	21.34	
33 31 11 00-0165	EA	10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	818.44	42.54
		For SDR 26, Add	71.76	
33 31 11 00-0166	EA	12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,057.68	54.24
		For SDR 26, Add	92.86	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 31 11 00-0167	1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0168	EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	80.44	27.44
	For SDR 26, Add	3.33	
33 31 11 00-0169	EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	123.63	31.91
	For SDR 26, Add	6.76	
33 31 11 00-0170	EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	257.82	36.15
	For SDR 26, Add	18.93	
33 31 11 00-0171	EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	582.73	42.54
	For SDR 26, Add	49.13	
33 31 11 00-0172	EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	833.56	54.24
	For SDR 26, Add	71.34	
33 31 11 00-0173	EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,791.73	76.56
	For SDR 26, Add	159.76	
33 31 11 00-0174	EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,844.29	108.47
33 31 11 00-0175	EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	4,750.16	143.56
33 31 11 00-0176	EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	6,477.44	191.41

33 31 11 00-0177	Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0178	EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	135.40	41.16
	For SDR 26, Add	6.41	
33 31 11 00-0179	EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	220.64	45.62
	For SDR 26, Add	13.88	
33 31 11 00-0180	EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	248.38	47.85
	For SDR 26, Add	16.19	
33 31 11 00-0181	EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	274.54	50.08
	For SDR 26, Add	18.34	
33 31 11 00-0182	EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	315.05	52.32
	For SDR 26, Add	21.87	
33 31 11 00-0183	EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	609.37	54.55
	For SDR 26, Add	49.77	
33 31 11 00-0184	EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	782.30	55.83
	For SDR 26, Add	66.17	
33 31 11 00-0185	EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	887.29	58.49
	For SDR 26, Add	75.83	
33 31 11 00-0186	EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,313.52	60.72
	For SDR 26, Add	116.39	
33 31 11 00-0187	EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,714.02	63.80
	For SDR 26, Add	154.34	
33 31 11 00-0188	EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	962.67	67.96
	For SDR 26, Add	81.54	
33 31 11 00-0189	EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,022.23	70.19
	For SDR 26, Add	86.90	
33 31 11 00-0190	EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,462.25	72.42
	For SDR 26, Add	128.79	
33 31 11 00-0191	EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,112.96	75.50
	For SDR 26, Add	190.77	
33 31 11 00-0192	EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,381.66	81.35
	For SDR 26, Add	215.62	

33 31 11 00-0193	Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0194	EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	128.43	41.16
	For SDR 26, Add	5.74	
33 31 11 00-0195	EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	197.42	45.62
	For SDR 26, Add	11.65	
33 31 11 00-0196	EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	217.19	47.85
	For SDR 26, Add	13.19	
33 31 11 00-0197	EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	264.58	50.08
33 31 11 00-0198	EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	303.17	52.32
33 31 11 00-0199	EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	467.47	54.55
33 31 11 00-0200	EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	714.89	56.26
33 31 11 00-0201	EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	729.10	58.49
33 31 11 00-0202	EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,100.54	60.72
33 31 11 00-0203	EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,218.23	63.80
33 31 11 00-0204	EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	906.46	67.96
33 31 11 00-0205	EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	934.90	70.19
33 31 11 00-0206	EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,342.56	72.42
33 31 11 00-0207	EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,619.30	75.50
33 31 11 00-0208	EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,690.41	81.35
33 31 11 00-0209	EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,083.57	97.84
33 31 11 00-0210	EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,312.23	103.69
33 31 11 00-0211	EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,892.85	114.85

33 31 11 00-0212	Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0213	EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	88.63	27.44
	For SDR 26, Add	4.12	
33 31 11 00-0214	EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	138.82	31.91
	For SDR 26, Add	8.22	
33 31 11 00-0215	EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	206.09	36.36
	For SDR 26, Add	13.97	
33 31 11 00-0216	EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	393.78	42.54
	For SDR 26, Add	30.99	
33 31 11 00-0217	EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	559.51	54.24
	For SDR 26, Add	45.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0218	EA		15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,098.20	76.56
			<i>For SDR 26, Add</i>	93.18	
33 31 11 00-0219	EA		18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,070.16	108.47
33 31 11 00-0220	EA		21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	3,459.23	143.56
33 31 11 00-0221	EA		24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	5,009.80	191.41
33 31 11 00-0222 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)					
33 31 11 00-0223	EA		6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	172.56	29.67
			<i>For SDR 26, Add</i>	11.82	
33 31 11 00-0224	EA		8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	248.63	31.91
			<i>For SDR 26, Add</i>	18.76	
33 31 11 00-0225	EA		8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	262.13	34.13
			<i>For SDR 26, Add</i>	19.70	
33 31 11 00-0226	EA		10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	595.61	37.22
			<i>For SDR 26, Add</i>	51.23	
33 31 11 00-0227	EA		10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	684.96	39.45
			<i>For SDR 26, Add</i>	59.45	
33 31 11 00-0228	EA		12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	765.47	43.07
			<i>For SDR 26, Add</i>	66.59	
33 31 11 00-0229	EA		12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	879.08	45.30
			<i>For SDR 26, Add</i>	77.14	
33 31 11 00-0230	EA		12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,008.43	48.39
			<i>For SDR 26, Add</i>	89.07	
33 31 11 00-0231	EA		15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,519.22	65.40
			<i>For SDR 26, Add</i>	135.38	
33 31 11 00-0232 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)					
33 31 11 00-0233	EA		6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	141.84	
			<i>For SDR 26, Add</i>	8.51	
33 31 11 00-0234	EA		8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	187.85	
			<i>For SDR 26, Add</i>	11.91	
33 31 11 00-0235	EA		8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	192.15	
			<i>For SDR 26, Add</i>	12.32	
33 31 11 00-0236	EA		10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	320.44	
			<i>For SDR 26, Add</i>	23.62	
33 31 11 00-0237	EA		10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	338.44	
			<i>For SDR 26, Add</i>	25.34	
33 31 11 00-0238	EA		10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	648.18	
			<i>For SDR 26, Add</i>	55.08	
33 31 11 00-0239	EA		12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	364.56	
			<i>For SDR 26, Add</i>	26.32	
33 31 11 00-0240	EA		12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	398.31	
			<i>For SDR 26, Add</i>	29.56	
33 31 11 00-0241	EA		12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	898.37	
			<i>For SDR 26, Add</i>	77.57	
33 31 11 00-0242	EA		12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,060.88	
			<i>For SDR 26, Add</i>	93.17	
33 31 11 00-0243	EA		15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	416.53	
			<i>For SDR 26, Add</i>	27.74	
33 31 11 00-0244	EA		15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	445.98	
			<i>For SDR 26, Add</i>	30.56	
33 31 11 00-0245 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)					
33 31 11 00-0246	EA		6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	151.92	
			<i>For SDR 26, Add</i>	9.48	
33 31 11 00-0247	EA		8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	187.85	
			<i>For SDR 26, Add</i>	11.91	
33 31 11 00-0248	EA		8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	205.87	
			<i>For SDR 26, Add</i>	13.64	
33 31 11 00-0249	EA		10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	293.73	
			<i>For SDR 26, Add</i>	21.05	
33 31 11 00-0250	EA		10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	336.29	
			<i>For SDR 26, Add</i>	25.14	
33 31 11 00-0251	EA		10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	513.74	
			<i>For SDR 26, Add</i>	42.17	
33 31 11 00-0252	EA		12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	362.42	
			<i>For SDR 26, Add</i>	26.11	
33 31 11 00-0253	EA		12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	396.27	
			<i>For SDR 26, Add</i>	29.36	
33 31 11 00-0254	EA		12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	597.36	
			<i>For SDR 26, Add</i>	48.67	
33 31 11 00-0255	EA		12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	728.60	
			<i>For SDR 26, Add</i>	61.27	
33 31 11 00-0256	EA		15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	415.20	
			<i>For SDR 26, Add</i>	27.61	
33 31 11 00-0257	EA		15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	436.00	
			<i>For SDR 26, Add</i>	29.61	
33 31 11 00-0258	EA		15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	733.33	
			<i>For SDR 26, Add</i>	58.15	
33 31 11 00-0259	EA		15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	812.52	
			<i>For SDR 26, Add</i>	65.75	
33 31 11 00-0260	EA		15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,152.91	
			<i>For SDR 26, Add</i>	98.43	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 31 11 00-0261		Caps, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 11 00-0160)		
33 31 11 00-0262	EA	4" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	44.76	
33 31 11 00-0263	EA	6" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	68.59	
33 31 11 00-0264	EA	8" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	145.28	
33 31 11 00-0265	EA	10" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	391.85	
33 31 11 00-0266	EA	12" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	575.32	
33 31 11 00-0267		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings (33 31 11 00-0001) Note: ASTM F949.		
33 31 11 00-0268		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0267)		
33 31 11 00-0269	LF	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	16.57	7.24
33 31 11 00-0270	LF	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	22.19	8.42
33 31 11 00-0271	LF	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	27.61	9.78
33 31 11 00-0272	LF	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	31.84	10.13
33 31 11 00-0273	LF	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	33.55	10.49
33 31 11 00-0274	LF	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	38.59	10.86
33 31 11 00-0275	LF	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	47.68	11.25
33 31 11 00-0276	LF	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	55.09	12.22
33 31 11 00-0277	LF	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	66.47	13.18
33 31 11 00-0278	LF	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	94.72	17.74
33 31 11 00-0279		1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0267)		
33 31 11 00-0280	EA	4" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	55.53	
33 31 11 00-0281	EA	6" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	73.96	
33 31 11 00-0282	EA	8" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	101.05	
33 31 11 00-0283	EA	10" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	166.49	
33 31 11 00-0284	EA	12" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	180.77	
33 31 11 00-0285	EA	15" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	294.77	
33 31 11 00-0286	EA	18" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	461.64	
33 31 11 00-0287	EA	21" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	645.44	
33 31 11 00-0288	EA	24" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	829.18	
33 31 11 00-0289	EA	30" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,087.75	
33 31 11 00-0290		1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0267)		
33 31 11 00-0291	EA	4" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	52.36	
33 31 11 00-0292	EA	6" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	69.27	
33 31 11 00-0293	EA	8" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	94.22	
33 31 11 00-0294	EA	10" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	153.66	
33 31 11 00-0295	EA	12" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	167.34	
33 31 11 00-0296	EA	15" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	271.04	
33 31 11 00-0297	EA	18" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	422.94	
33 31 11 00-0298	EA	21" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	588.00	
33 31 11 00-0299	EA	24" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	753.10	
33 31 11 00-0300	EA	30" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	986.23	
33 31 11 00-0301		1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0267)		
33 31 11 00-0302	EA	4" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	47.61	
33 31 11 00-0303	EA	6" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	59.37	
33 31 11 00-0304	EA	8" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	89.17	
33 31 11 00-0305	EA	10" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	112.52	
33 31 11 00-0306	EA	12" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	153.08	
33 31 11 00-0307	EA	15" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	245.82	
33 31 11 00-0308	EA	18" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	356.62	
33 31 11 00-0309	EA	21" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	529.24	
33 31 11 00-0310	EA	24" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	701.86	
33 31 11 00-0311	EA	30" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	983.80	
33 31 11 00-0312		Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 31 11 00-0267)		
33 31 11 00-0313	EA	4" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	86.10	
33 31 11 00-0314	EA	6" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	110.15	
33 31 11 00-0315	EA	8" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	188.09	
33 31 11 00-0316	EA	10" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	295.88	
33 31 11 00-0317	EA	12" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	481.74	
33 31 11 00-0318	EA	15" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	684.68	
33 31 11 00-0319	EA	18" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	990.11	
33 31 11 00-0320	EA	21" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,135.42	
33 31 11 00-0321	EA	24" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,280.67	
33 31 11 00-0322	EA	30" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	2,291.33	

33 31 11 00-0323	Tees, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) (33 11 00-0267)				
33 31 11 00-0324	EA	4"	Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	79.61	
33 31 11 00-0325	EA	6"	Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	101.25	
33 31 11 00-0326	EA	8"	Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	169.90	
33 31 11 00-0327	EA	10"	Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	264.80	
33 31 11 00-0328	EA	12"	Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	427.13	
33 31 11 00-0329	EA	15"	Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	605.86	
33 31 11 00-0330	EA	18"	Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	874.71	
33 31 11 00-0331	EA	21"	Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,001.56	
33 31 11 00-0332	EA	24"	Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,128.38	
33 31 11 00-0333	EA	30"	Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	2,005.22	

33 31 11 00-0334 Couplings And Plug Fittings (33 31 11)

33 31 11 00-0335 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings (33 31 11 00-0334)

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.

33 31 11 00-0336	EA	1-1/2"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	22.44	7.87
33 31 11 00-0337	EA	2"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	24.53	9.18
33 31 11 00-0338	EA	3"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	28.44	10.50
33 31 11 00-0339	EA	4"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	32.28	11.16
33 31 11 00-0340	EA	5"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	39.70	11.81
33 31 11 00-0341	EA	6"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	47.17	13.12
33 31 11 00-0342	EA	8"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	60.29	14.44
33 31 11 00-0343	EA	10"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	74.73	15.09
33 31 11 00-0344	EA	12"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	124.49	15.75
33 31 11 00-0345	EA	15"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	170.08	17.06
33 31 11 00-0346	EA	18"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	329.80	17.71
33 31 11 00-0347	EA	21"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	383.43	18.71
33 31 11 00-0348	EA	24"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	424.93	19.69
33 31 11 00-0349	EA	27"	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	509.29	21.00

33 31 11 00-0350 Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings (33 31 11 00-0334)

Note: For ductile iron to ductile iron. Includes stainless steel clamps.

33 31 11 00-0351	EA	4" x 4"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-44)	38.00	
33 31 11 00-0352	EA	5" x 4"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-54)	53.59	
33 31 11 00-0353	EA	5" x 5"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-55)	50.60	
33 31 11 00-0354	EA	6" x 4"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-64)	64.50	
33 31 11 00-0355	EA	6" x 5"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-65)	67.61	
33 31 11 00-0356	EA	6" x 6"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-66)	61.41	
33 31 11 00-0357	EA	8" x 6"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-86)	90.91	
33 31 11 00-0358	EA	8" x 8"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-88)	81.68	
33 31 11 00-0359	EA	10" x 8"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-10-8)	113.65	
33 31 11 00-0360	EA	10" x 10"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1010)	102.94	
33 31 11 00-0361	EA	12" x 10"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1210)	136.78	
33 31 11 00-0362	EA	12" x 12"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1212)	119.28	
33 31 11 00-0363	EA	16" x 15"	Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1615)	191.83	

33 31 11 00-0364 Cast Iron Service Saddles With U Bolt (33 31 11)

33 31 11 00-0365	EA	2"	Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	129.74	
33 31 11 00-0366	EA	3"	Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	130.45	
33 31 11 00-0367	EA	3"	Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	143.55	
33 31 11 00-0368	EA	4"	Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	138.96	
33 31 11 00-0369	EA	4"	Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	156.88	
33 31 11 00-0370	EA	4"	Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	176.57	
33 31 11 00-0371	EA	4"	Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	209.19	
33 31 11 00-0372	EA	6"	Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	177.17	
33 31 11 00-0373	EA	6"	Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	193.67	
33 31 11 00-0374	EA	6"	Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	223.36	
33 31 11 00-0375	EA	2"	Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	184.60	
33 31 11 00-0376	EA	4"	Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	142.93	
33 31 11 00-0377	EA	4"	Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	156.03	
33 31 11 00-0378	EA	4"	Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	185.85	
33 31 11 00-0379	EA	4"	Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	220.59	
33 31 11 00-0380	EA	6"	Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	237.56	

33 31 11 00-0381 Manhole Inside Bowl Drop (33 31 11)

33 31 11 00-0382	EA	Inside Pipe Drop, 4"	Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB)	348.48	
33 31 11 00-0383	EA	Inside Pipe Drop, 4"	Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96)	365.33	
33 31 11 00-0384	EA	Inside Pipe Drop, 6"	Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB)	374.69	
33 31 11 00-0385	EA	Inside Pipe Drop, 6"	Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96)	387.52	
33 31 11 00-0386	EA	Inside Pipe Drop, 8"	Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB)	402.85	
33 31 11 00-0387	EA	Inside Pipe Drop, 8"	Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84)	432.00	
33 31 11 00-0388	EA	Inside Pipe Drop, 10"	Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB)	450.02	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 31 11 00-0389	EA	Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96).....	464.60	
33 31 11 00-0390	EA	Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60).....	799.29	
33 31 11 00-0391	EA	Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96).....	821.15	

33 32 Sanitary Sewerage Equipment (33 30)**33 32 16 Packaged Wastewater Grinder Pump Assemblies** (33 32)**33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller** (33 32 16)

33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,263.86	389.43
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,233.16	389.43
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,056.65	129.77
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,627.14	129.77
33 32 16 00-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	13,716.40	

33 32 16 00-0007 Submersible Grinder Pumps (33 32 16)

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0008	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	3,967.74	778.81
33 32 16 00-0009	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,879.14	908.61
33 32 16 00-0010	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	7,210.70	1,168.22

33 32 16 00-0011 In-Line Sewage Grinder, Single Shaft Design (33 32 16)

33 32 16 00-0012	EA	In-Line Sewage Grinder, 4" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 4-8000, 3 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor..... For NEMA 4X Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	15,026.21 2,700.00	1,518.56
		For NEMA 7 Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	9,600.00	
33 32 16 00-0013	EA	In-Line Sewage Grinder, 6" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 6-8000, 3 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor..... For NEMA 4X Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	15,026.21 2,700.00	1,518.56
		For NEMA 7 Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	9,600.00	
33 32 16 00-0014	EA	In-Line Sewage Grinder, 8" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 8000, 5 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor..... For NEMA 4X Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	15,026.21 2,700.00	1,518.56
		For NEMA 7 Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	9,600.00	
33 32 16 00-0015	EA	In-Line Sewage Grinder, 10" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 1000, 7-1/2 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor..... For NEMA 4X Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	23,522.13 2,700.00	1,518.56
		For NEMA 7 Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	9,600.00	
33 32 16 00-0016	EA	In-Line Sewage Grinder, 10" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 1600, 10 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor..... For NEMA 4X Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	31,603.61 2,700.00	1,518.56
		For NEMA 7 Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	9,600.00	
33 32 16 00-0017	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 8000	77,428.66	
33 32 16 00-0018	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 1000	86,792.58	
33 32 16 00-0019	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 1600	307,819.76	

33 32 16 00-0020 In-Line Sewage Grinder, Double Shaft Design (33 32 16)

33 32 16 00-0021	EA	4" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	15,265.40	1,518.56
		For NEMA 4X Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	1,846.00	
		For NEMA 7 Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	10,466.00	
33 32 16 00-0022	EA	6" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	16,507.52	1,518.56
		For NEMA 4X Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	1,846.00	
		For NEMA 7 Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	10,466.00	
33 32 16 00-0023	EA	8" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	16,985.90	1,518.56
		For NEMA 4X Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	1,846.00	
		For NEMA 7 Controller, Add Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.	10,466.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0024	EA		10" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 19,368.31 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge. For NEMA 4X Controller, Add 1,846.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For NEMA 7 Controller, Add 10,466.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		1,518.56
33 32 16 00-0025	EA		12" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 21,216.69 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge. For NEMA 4X Controller, Add 1,846.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For NEMA 7 Controller, Add 10,466.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		1,518.56
33 32 16 00-0026	EA		12" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 41,791.61 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge. For NEMA 4X Controller, Add 1,846.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For NEMA 7 Controller, Add 10,466.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		1,518.56
33 32 16 00-0027	EA		16" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 47,958.40 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge. For NEMA 4X Controller, Add 1,846.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For NEMA 7 Controller, Add 10,466.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		1,518.56
33 32 16 00-0028	EA		18" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 50,355.02 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge. For NEMA 4X Controller, Add 1,846.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For NEMA 7 Controller, Add 10,466.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		1,518.56
33 32 16 00-0029	EA		Up To 8" Cutter Cartridge Replacement For Series 30000 96,362.38		
33 32 16 00-0030	EA		10" To 12" Cutter Cartridge Replacement For Series 30000 154,815.57		
33 32 16 00-0031	EA		12" Cutter Cartridge Replacement For Series 40000 326,354.29		
33 32 16 00-0032	EA		16" Cutter Cartridge Replacement For Series 40000 385,754.13		
33 32 16 00-0033	EA		18" Cutter Cartridge Replacement For Series 40000 408,838.86		
33 32 16 00-0034			Open Channel Sewage, Double Shaft Design (33 32 16)		
33 32 16 00-0035	EA		Open Channel Sewage Grinder, Double Shaft Design, 40" High Cutter Cartridge, Muffin Monster Series 30000 27,773.05 For NEMA 4X Controller, Add 1,846.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For NEMA 7 Controller, Add 10,466.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect 3,701.00		1,518.56
33 32 16 00-0036	EA		Open Channel Sewage Grinder, Double Shaft Design, 50" High Cutter Cartridge, Muffin Monster Series 30000 30,141.25 For NEMA 4X Controller, Add 1,846.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For NEMA 7 Controller, Add 10,466.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect 3,701.00		1,518.56
33 32 16 00-0037	EA		Open Channel Sewage Grinder, Double Shaft Design, 60" High Cutter Cartridge, Muffin Monster Series 30000 32,509.45 For NEMA 4X Controller, Add 1,846.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For NEMA 7 Controller, Add 10,466.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect 3,701.00		1,518.56
33 32 16 00-0038	EA		Open Channel Sewage Grinder, Double Shaft Design, 18" High Cutter Cartridge, Muffin Monster Series 40000 38,952.14 For NEMA 4X Controller, Add 1,846.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For NEMA 7 Controller, Add 10,466.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add 5,182.00 Note: With Quick Disconnect, Add		1,518.56
33 32 16 00-0039	EA		Open Channel Sewage Grinder, Double Shaft Design, 24" High Cutter Cartridge, Muffin Monster Series 40000 42,106.58 For NEMA 4X Controller, Add 1,846.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For NEMA 7 Controller, Add 10,466.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add 5,182.00 Note: With Quick Disconnect, Add		1,518.56
33 32 16 00-0040	EA		Open Channel Sewage Grinder, Double Shaft Design, 32" High Cutter Cartridge, Muffin Monster Series 40000 45,126.03 For NEMA 4X Controller, Add 1,846.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For NEMA 7 Controller, Add 10,466.00 Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature. For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add 5,182.00 Note: With Quick Disconnect, Add		1,518.56
33 32 16 00-0041	EA		For Cutter Cartridge Replacement For Series 30000, 40" 176,086.82		
33 32 16 00-0042	EA		For Cutter Cartridge Replacement For Series 30000, 50" 196,901.86		
33 32 16 00-0043	EA		For Cutter Cartridge Replacement For Series 30000, 60" 219,998.00		
33 32 16 00-0044	EA		For Cutter Cartridge Replacement For Series 40000, 18" 243,664.41		
33 32 16 00-0045	EA		For Cutter Cartridge Replacement For Series 40000, 24" 284,439.08		
33 32 16 00-0046	EA		For Cutter Cartridge Replacement For Series 40000, 32" 316,374.48		

33 Utilities**33 30 Sanitary Sewerage Utilities****33 32 Sanitary Sewerage Equipment**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 32 16 00-0047	Monoflo TR Muncher (33 32 16)			
	Note: TR Muncher twin shaft sludge grinder, 3 HP TEXP motor, CI body, alloy steel cutter and spacers, 11 tooth cutters, 8mm thick, includes control panel monoflo priced separately.			
33 32 16 00-0048	EA	CT203P Monoflo TR Muncher 4" Ports with 12" Throat.....	40,152.17	506.27
		For 5 HP TEXP Motor, Add	1,150.00	
		For 5mm Thick Cutters, Add	725.00	
33 32 16 00-0049	EA	CT203Q Monoflo TR Muncher 6" Ports with 12" Throat	40,152.17	506.27
		For 5 HP TEXP Motor, Add	1,150.00	
		For 5mm Thick Cutters, Add	725.00	
33 32 16 00-0050	EA	CT203R Monoflo TR Muncher 8" Ports with 12" Throat.....	40,791.80	506.27
		For 5 HP TEXP Motor, Add	1,150.00	
		For 5mm Thick Cutters, Add	725.00	
33 32 16 00-0051	EA	CT203S Monoflo TR Muncher 10" Ports with 12" Throat.....	46,804.27	506.27
		For 5 HP TEXP Motor, Add	1,150.00	
		For 5mm Thick Cutters, Add	950.00	
33 32 16 00-0052	EA	CT203T Monoflo TR Muncher 12" Ports with 12" Throat.....	50,002.40	506.27
		For 5 HP TEXP Motor, Add	1,150.00	
		For 5mm Thick Cutters, Add	950.00	
33 32 16 00-0053	EA	Monoflo TR Muncher Control Panel (MF-511)	8,952.04	126.57
33 32 16 00-0054	EA	Monoflo TR Muncher 12" Cutter Stack Rotating Assembly, spare part, material only	20,442.42	
		For 5mm Thick Cutters, Add	725.00	
33 32 16 00-0055	EA	Monoflo TR Muncher 20" Cutter Stack Rotating Assembly, spare part, material only	21,491.40	
		For 5mm Thick Cutters, Add	950.00	

33 40 Stormwater Utilities (33)**33 41 Subdrainage** (33 40)**33 41 16 Subdrainage Piping** (33 41)**33 41 16 13 Subdrainage Piping** (33 41 16)

See CSI section 33 42 11 00-0274 for polyethylene drain pipe.

33 41 16 13-0001	Corrugated High-Density Polyethylene (HDPE) Drainage Piping (33 41 16 13)			
33 41 16 13-0002	Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 41 16 13-0001)			
	Note: Excludes couplings and gaskets.			
33 41 16 13-0003	Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 41 16 13-0002)			
33 41 16 13-0004	LF	4" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.38	5.18
		For <100, Add	1.10	
		For >1,000, Deduct	-0.58	
33 41 16 13-0005	LF	6" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.22	5.54
		For <100, Add	1.24	
		For >1,000, Deduct	-0.69	
33 41 16 13-0006	LF	8" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	10.56	5.82
		For <100, Add	1.40	
		For >1,000, Deduct	-0.82	
33 41 16 13-0007	LF	10" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	14.76	6.00
		For <100, Add	1.64	
		For >1,000, Deduct	-1.04	
33 41 16 13-0008	LF	12" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.49	6.56
		For <100, Add	1.86	
		For >1,000, Deduct	-1.20	
33 41 16 13-0009	LF	15" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	23.31	7.40
		For <100, Add	2.28	
		For >1,000, Deduct	-1.54	
33 41 16 13-0010	LF	18" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.17	12.25
		For <100, Add	3.70	
		For >1,000, Deduct	-2.47	
33 41 16 13-0011	LF	24" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	52.36	13.46
		For <100, Add	4.64	
		For >1,000, Deduct	-3.29	
33 41 16 13-0012	Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 41 16 13-0002)			
33 41 16 13-0013	LF	4" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.21	5.18
		For <100, Add	1.09	
		For >1,000, Deduct	-0.57	
33 41 16 13-0014	LF	6" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.15	5.54
		For <100, Add	1.24	
		For >1,000, Deduct	-0.68	
33 41 16 13-0015	LF	8" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	13.82	5.82
		For <100, Add	1.56	
		For >1,000, Deduct	-0.98	
33 41 16 13-0016	LF	10" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.48	6.00
		For <100, Add	1.72	
		For >1,000, Deduct	-1.12	
33 41 16 13-0017	LF	12" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	19.37	6.56
		For <100, Add	1.95	
		For >1,000, Deduct	-1.30	
33 41 16 13-0018	LF	15" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	23.11	7.40
		For <100, Add	2.27	
		For >1,000, Deduct	-1.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0019	LF		18" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	35.93	12.25
			For <100, Add	3.63	
			For >1,000, Deduct	-2.41	
33 41 16 13-0020	LF		24" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	50.40	13.46
			For <100, Add	4.54	
			For >1,000, Deduct	-3.19	
33 41 16 13-0021			Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings (33 41 16 13-0001) Note: Excludes couplings and gaskets.		
33 41 16 13-0022			Tees, Single Wall, Corrugated High-Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0023	EA		4" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	45.28	25.53
33 41 16 13-0024	EA		6" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	53.67	29.79
33 41 16 13-0025	EA		8" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	83.09	36.18
33 41 16 13-0026	EA		10" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	106.08	44.69
33 41 16 13-0027	EA		12" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	153.15	53.20
33 41 16 13-0028	EA		15" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	317.38	69.52
33 41 16 13-0029	EA		18" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	382.98	93.62
33 41 16 13-0030	EA		24" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	701.26	106.40
33 41 16 13-0031			Wyes, Single Wall, Corrugated High-Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0032	EA		4" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	46.32	25.53
33 41 16 13-0033	EA		6" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	57.08	29.79
33 41 16 13-0034	EA		8" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	118.77	36.18
33 41 16 13-0035			45 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0036	EA		4" 45 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	30.54	17.03
33 41 16 13-0037			90 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE) (33 41 16 13-0021)		
33 41 16 13-0038	EA		4" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	31.64	17.03
33 41 16 13-0039	EA		6" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	40.19	19.86
33 41 16 13-0040	EA		8" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	57.93	24.12
33 41 16 13-0041	EA		10" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	75.69	29.79
33 41 16 13-0042			Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 (33 41 16 13) Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF		3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.06	4.41
			For <100, Add	1.01	
			For >1,000, Deduct	-0.57	
33 41 16 13-0044	LF		4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.71	4.77
			For <100, Add	1.10	
			For >1,000, Deduct	-0.62	
33 41 16 13-0045	LF		6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	10.78	5.72
			For <100, Add	1.40	
			For >1,000, Deduct	-0.83	
33 41 16 13-0046	LF		8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	16.60	7.15
			For <100, Add	1.90	
			For >1,000, Deduct	-1.19	
33 41 16 13-0047	LF		10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	26.35	7.44
			For <100, Add	2.43	
			For >1,000, Deduct	-1.69	
33 41 16 13-0048	LF		12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	33.44	8.12
			For <100, Add	2.89	
			For >1,000, Deduct	-2.08	
33 41 16 13-0049	LF		15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	45.86	9.15
			For <100, Add	3.67	
			For >1,000, Deduct	-2.75	
33 41 16 13-0050			Perforated Non-Reinforced Concrete Drainage Piping, C444 (33 41 16 13)		
33 41 16 13-0051	LF		6" Perforated Non-Reinforced Concrete Drainage Pipe.....	36.78	13.16
			For Extra Strength, Add	2.11	
			For >1,000, Deduct	-1.84	
33 41 16 13-0052	LF		8" Perforated Non-Reinforced Concrete Drainage Pipe.....	43.05	14.61
			For Extra Strength, Add	2.60	
			For >1,000, Deduct	-2.15	
33 41 16 13-0053	LF		10" Perforated Non-Reinforced Concrete Drainage Pipe.....	48.77	16.08
			For Extra Strength, Add	3.03	
			For >1,000, Deduct	-2.44	
33 41 16 13-0054	LF		12" Perforated Non-Reinforced Concrete Drainage Pipe.....	57.39	17.54
			For Extra Strength, Add	3.80	
			For >1,000, Deduct	-2.87	
33 41 16 13-0055			Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654 (33 41 16 13) Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056	LF		6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	30.23	13.16
			For >1,000, Deduct	-1.51	

33 Utilities**33 40 Stormwater Utilities****33 41 Subdrainage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 41 16 13-0057	LF	8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	33.44	14.61	
		For >1,000, Deduct	-1.67		
33 41 16 13-0058	LF	10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	36.90	16.08	
		For >1,000, Deduct	-1.85		
33 41 16 13-0059	LF	12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	42.21	16.71	
		For >1,000, Deduct	-2.11		
33 41 16 13-0060	LF	15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	49.14	18.80	
		For >1,000, Deduct	-2.46		
33 41 16 13-0061	LF	18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	60.79	24.01	
		For >1,000, Deduct	-3.04		
33 41 16 13-0062	LF	21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	75.90	30.80	
		For >1,000, Deduct	-3.80		
33 41 16 13-0063	LF	24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	92.55	37.59	
		For >1,000, Deduct	-4.63		
33 41 16 13-0064 Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 (33 41 16 13)					
33 41 16 13-0065	LF	6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	28.07	13.16	
		For >1,000, Deduct	-1.40		
33 41 16 13-0066	LF	8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	35.84	14.61	
		For >1,000, Deduct	-1.79		
33 41 16 13-0067	LF	10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	45.56	16.08	
		For >1,000, Deduct	-2.28		
33 41 16 13-0068	LF	12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	55.48	17.54	
		For >1,000, Deduct	-2.77		
33 41 16 13-0069	LF	15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	63.59	19.52	
		For >1,000, Deduct	-3.18		
33 41 16 13-0070	LF	18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	82.49	24.34	
		For >1,000, Deduct	-4.12		
33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 (33 41 16 13)					
33 41 16 13-0072	LF	4" Perforated Vitrified Clay Drainage Pipe	27.55	14.61	
33 41 16 13-0073	LF	6" Perforated Vitrified Clay Drainage Pipe	32.95	16.45	
33 41 16 13-0074	LF	8" Perforated Vitrified Clay Drainage Pipe	37.68	16.45	
33 41 16 13-0075	LF	10" Perforated Vitrified Clay Drainage Pipe	50.60	20.10	
33 41 16 13-0076	LF	12" Perforated Vitrified Clay Drainage Pipe	60.21	21.93	
33 41 16 13-0077 Geotextile Filter Fabric Sock (33 41 16 13)					
33 41 16 13-0078	LF	3" Geotextile Filter Fabric Sock.....	0.86		
33 41 16 13-0079	LF	4" Geotextile Filter Fabric Sock.....	1.14		
33 41 16 13-0080	LF	6" Geotextile Filter Fabric Sock.....	1.72		
33 41 16 13-0081	LF	8" Geotextile Filter Fabric Sock.....	2.31		
33 41 16 13-0082	LF	10" Geotextile Filter Fabric Sock.....	3.48		
33 41 16 13-0083	LF	12" Geotextile Filter Fabric Sock.....	4.80		
33 41 16 13-0084	LF	15" Geotextile Filter Fabric Sock.....	5.78		
33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe (33 41 16 13)					
Note: Perforations are located in the bottom quarter points of the pipe.					
33 41 16 13-0086	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	25.81	6.27	
		For Full Perforated, Add	1.33		
33 41 16 13-0087	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	32.69	7.59	
		For Full Perforated, Add	1.75		
33 41 16 13-0088	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	41.22	9.64	
		For Full Perforated, Add	2.19		
33 41 16 13-0089	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	45.72	11.39	
		For Full Perforated, Add	2.29		
33 41 16 13-0090	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	52.42	11.79	
		For Full Perforated, Add	2.88		
33 41 16 13-0091	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	59.27	12.22	
		For Full Perforated, Add	3.48		
33 41 16 13-0092	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	67.83	13.19	
		For Full Perforated, Add	4.15		
33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe (33 41 16 13)					
Note: Perforations are located in the bottom quarter points of the pipe.					
33 41 16 13-0094	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	27.94	6.27	
		For Full Perforated, Add	1.54		
33 41 16 13-0095	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	35.58	7.59	
		For Full Perforated, Add	2.04		
33 41 16 13-0096	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	44.75	9.64	
		For Full Perforated, Add	2.55		
33 41 16 13-0097	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	49.16	11.39	
		For Full Perforated, Add	2.64		
33 41 16 13-0098	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	56.67	11.79	
		For Full Perforated, Add	3.31		
33 41 16 13-0099	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	64.31	12.22	
		For Full Perforated, Add	3.99		
33 41 16 13-0100	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	73.70	13.19	
		For Full Perforated, Add	4.73		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 41 16 13-0101	Strip-Perforated, Corrugated Aluminum Pipe (33 41 16 13) Note: Perforations are located in the bottom quarter points of the pipe.				
33 41 16 13-0102	LF		6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	28.63	6.27
			For Full Perforated, Add	1.61	
33 41 16 13-0103	LF		8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	36.47	7.59
			For Full Perforated, Add	2.13	
33 41 16 13-0104	LF		10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	45.88	9.64
			For Full Perforated, Add	2.66	
33 41 16 13-0105	LF		12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	57.64	11.39
			For Full Perforated, Add	3.49	
33 41 16 13-0106	LF		15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	67.22	11.79
			For Full Perforated, Add	4.36	
33 41 16 13-0107	LF		18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	77.10	12.22
			For Full Perforated, Add	5.27	
33 41 16 13-0108	LF		21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	88.61	13.19
			For Full Perforated, Add	6.22	

33 41 16 13-0109	Prefabricated Composite Drains (33 41 16 13)				
33 41 16 13-0110	Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) (33 41 16 13-0109) Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.				
33 41 16 13-0111	LF		12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	11.73	2.40
			For External Typar Geotextile Wrap, Add	2.17	
33 41 16 13-0112	EA		Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	53.32	
33 41 16 13-0113	EA		End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	53.32	
33 41 16 13-0114	EA		Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	103.64	
33 41 16 13-0115	EA		End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	103.64	
33 41 16 13-0116	LF		18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	18.79	3.00
			For External Typar Geotextile Wrap, Add	3.26	
33 41 16 13-0117	EA		Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	79.15	
33 41 16 13-0118	EA		End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	79.15	
33 41 16 13-0119	EA		Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	136.29	
33 41 16 13-0120	EA		End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	136.29	

33 41 19 Underslab Drainage (33 41)

33 41 19 13 Underslab Drainage Piping (33 41 19)

33 41 19 13-0001	Capillary Water Barrier Underslab Drainage (33 41 19 13) Note: Consists of a layer of fine granular material overlying a coarse layer.				
33 41 19 13-0002	CY		2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	64.54	
33 41 19 13-0003	CY		4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	61.76	
33 41 19 13-0004	CY		6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	60.65	
33 41 19 13-0005	CY		8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	58.98	

33 42 Stormwater Conveyance (33 42)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping (33 42)

33 42 11 00-0001	Reinforced Concrete Piping (33 42 11) Note: Includes detectable tracer wire.				
33 42 11 00-0002	Class 3 Reinforced Concrete Pipe Without Gaskets (33 42 11 00-0001)				
33 42 11 00-0003	LF		12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	55.25	17.54
			For >1,000, Deduct	-2.76	
			For Class 4, Add	2.87	
			For Class 5, Add	6.04	
33 42 11 00-0004	LF		15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	66.54	19.52
			For >1,000, Deduct	-3.33	
			For Class 4, Add	3.67	
			For Class 5, Add	7.73	
33 42 11 00-0005	LF		18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	75.44	24.34
			For >1,000, Deduct	-3.77	
			For Class 4, Add	3.86	
			For Class 5, Add	8.13	
33 42 11 00-0006	LF		21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	96.71	30.70
			For >1,000, Deduct	-4.84	
			For Class 4, Add	5.02	
			For Class 5, Add	10.57	
33 42 11 00-0007	LF		24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	113.05	37.28
			For >1,000, Deduct	-5.65	
			For Class 4, Add	5.68	
			For Class 5, Add	11.96	
33 42 11 00-0008	LF		27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	143.74	47.79
			For >1,000, Deduct	-7.19	
			For Class 4, Add	7.17	
			For Class 5, Add	15.10	
33 42 11 00-0009	LF		30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	152.96	49.34
			For >1,000, Deduct	-7.65	
			For Class 4, Add	7.76	
			For Class 5, Add	16.33	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	190.01		56.07
		For >1,000, Deduct	-9.50		
		For Class 4, Add	10.52		
		For Class 5, Add	22.14		
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	247.45		61.69
		For >1,000, Deduct	-12.37		
		For Class 4, Add	15.22		
		For Class 5, Add	32.04		
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	296.84		68.69
		For >1,000, Deduct	-14.84		
		For Class 4, Add	18.88		
		For Class 5, Add	39.74		
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	370.17		78.51
		For >1,000, Deduct	-18.51		
		For Class 4, Add	24.51		
		For Class 5, Add	51.60		
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	447.41		91.07
		For >1,000, Deduct	-22.37		
		For Class 4, Add	30.15		
		For Class 5, Add	63.46		
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	694.05		100.94
		For >1,000, Deduct	-34.70		
		For Class 4, Add	52.30		
		For Class 5, Add	110.10		
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	810.55		109.90
		For >1,000, Deduct	-40.53		
		For Class 4, Add	62.09		
		For Class 5, Add	130.71		
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	975.66		123.36
		For >1,000, Deduct	-48.78		
		For Class 4, Add	75.91		
		For Class 5, Add	159.80		
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	1,259.21		137.39
		For >1,000, Deduct	-62.96		
		For Class 4, Add	100.98		
		For Class 5, Add	212.59		
33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets (33 42 11 00-0001)					
33 42 11 00-0020	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)	89.16		27.88
		For >1,000, Deduct	-4.46		
		For Horizontal Elliptical - II (HE- II), Add	4.93		
		For Horizontal Elliptical - III (HE- III), Add	10.85		
		For Horizontal Elliptical - IV (HE- IV), Add	23.68		
33 42 11 00-0021	LF	14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	134.24		32.37
		For >1,000, Deduct	-6.71		
		For Horizontal Elliptical - II (HE- II), Add	8.80		
		For Horizontal Elliptical - III (HE- III), Add	19.36		
		For Horizontal Elliptical - IV (HE- IV), Add	42.24		
33 42 11 00-0022	LF	19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	185.94		49.57
		For >1,000, Deduct	-9.30		
		For Horizontal Elliptical - II (HE- II), Add	11.51		
		For Horizontal Elliptical - III (HE- III), Add	25.33		
		For Horizontal Elliptical - IV (HE- IV), Add	55.26		
33 42 11 00-0023	LF	22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	219.49		63.56
		For >1,000, Deduct	-10.97		
		For Horizontal Elliptical - II (HE- II), Add	12.87		
		For Horizontal Elliptical - III (HE- III), Add	28.31		
		For Horizontal Elliptical - IV (HE- IV), Add	61.77		
33 42 11 00-0024	LF	24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	233.10		66.41
		For >1,000, Deduct	-11.66		
		For Horizontal Elliptical - II (HE- II), Add	13.82		
		For Horizontal Elliptical - III (HE- III), Add	30.41		
		For Horizontal Elliptical - IV (HE- IV), Add	66.35		
33 42 11 00-0025	LF	27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	268.26		70.12
		For >1,000, Deduct	-13.41		
		For Horizontal Elliptical - II (HE- II), Add	16.81		
		For Horizontal Elliptical - III (HE- III), Add	36.98		
		For Horizontal Elliptical - IV (HE- IV), Add	80.68		
33 42 11 00-0026	LF	29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	303.41		73.82
		For >1,000, Deduct	-15.17		
		For Horizontal Elliptical - II (HE- II), Add	19.80		
		For Horizontal Elliptical - III (HE- III), Add	43.55		
		For Horizontal Elliptical - IV (HE- IV), Add	95.02		
33 42 11 00-0027	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	370.70		81.24
		For >1,000, Deduct	-18.54		
		For Horizontal Elliptical - II (HE- II), Add	25.47		
		For Horizontal Elliptical - III (HE- III), Add	56.02		
		For Horizontal Elliptical - IV (HE- IV), Add	122.23		
33 42 11 00-0028	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	447.34		91.36
		For >1,000, Deduct	-22.37		
		For Horizontal Elliptical - II (HE- II), Add	31.68		
		For Horizontal Elliptical - III (HE- III), Add	69.70		
		For Horizontal Elliptical - IV (HE- IV), Add	152.07		
33 42 11 00-0029	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	509.18		104.41
		For >1,000, Deduct	-25.46		
		For Horizontal Elliptical - II (HE- II), Add	36.00		
		For Horizontal Elliptical - III (HE- III), Add	79.20		
		For Horizontal Elliptical - IV (HE- IV), Add	172.81		

			Utilities	33	CS
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
33 42 11 00-0030	LF	48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	631.47		121.12
		For >1,000, Deduct	-31.57		
		For Horizontal Elliptical - II (HE- II), Add	45.84		
		For Horizontal Elliptical - III (HE- III), Add	100.86		
		For Horizontal Elliptical - IV (HE- IV), Add	220.05		
33 42 11 00-0031	LF	53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size).....	721.23		133.46
33 42 11 00-0032	LF	58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size).....	876.32		145.80
33 42 11 00-0033	LF	63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size).....	1,047.93		164.86
33 42 11 00-0034	LF	68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size).....	1,133.93		182.81
33 42 11 00-0035	LF	72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size).....	1,456.77		191.78
33 42 11 00-0036	LF	77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size).....	1,690.61		200.76
33 42 11 00-0037		Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)			
33 42 11 00-0038	EA	12" Concrete Reducing Wye Without Gaskets	691.81		66.83
33 42 11 00-0039	EA	15" Concrete Reducing Wye Without Gaskets	829.44		81.44
33 42 11 00-0040	EA	18" Concrete Reducing Wye Without Gaskets	1,026.38		89.80
33 42 11 00-0041	EA	21" Concrete Reducing Wye Without Gaskets	1,176.87		110.68
33 42 11 00-0042	EA	24" Concrete Reducing Wye Without Gaskets	1,328.98		133.65
33 42 11 00-0043		Concrete Pipe Joint Gaskets (33 42 11 00-0001)			
33 42 11 00-0044	EA	12" Diameter Concrete Pipe Joint Gasket	6.70		
33 42 11 00-0045	EA	15" Diameter Concrete Pipe Joint Gasket	7.92		
33 42 11 00-0046	EA	18" Diameter Concrete Pipe Joint Gasket	9.18		
33 42 11 00-0047	EA	21" Diameter Concrete Pipe Joint Gasket	11.09		
33 42 11 00-0048	EA	24" Diameter Concrete Pipe Joint Gasket	12.99		
33 42 11 00-0049	EA	27" Diameter Concrete Pipe Joint Gasket	14.48		
33 42 11 00-0050	EA	30" Diameter Concrete Pipe Joint Gasket	15.91		
33 42 11 00-0051	EA	36" Diameter Concrete Pipe Joint Gasket	19.44		
33 42 11 00-0052	EA	42" Diameter Concrete Pipe Joint Gasket	22.53		
33 42 11 00-0053	EA	48" Diameter Concrete Pipe Joint Gasket	25.99		
33 42 11 00-0054	EA	54" Diameter Concrete Pipe Joint Gasket	31.86		
33 42 11 00-0055	EA	60" Diameter Concrete Pipe Joint Gasket	47.16		
33 42 11 00-0056	EA	66" Diameter Concrete Pipe Joint Gasket	49.02		
33 42 11 00-0057	EA	72" Diameter Concrete Pipe Joint Gasket	50.83		
33 42 11 00-0058	EA	78" Diameter Concrete Pipe Joint Gasket	58.54		
33 42 11 00-0059	EA	84" Diameter Concrete Pipe Joint Gasket	70.17		
33 42 11 00-0060		Couplings (33 42 11 00-0001)			
33 42 11 00-0061		Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC)			
		Flexible Pipe Couplings (33 42 11 00-0060)			
		Note: For concrete to cast iron or plastic pipe. Includes stainless steel clamps. Fernco 1006.			
33 42 11 00-0062	EA	4" x 3" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	40.83		
33 42 11 00-0063	EA	4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	38.00		
33 42 11 00-0064	EA	6" x 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	62.68		
33 42 11 00-0065	EA	6" x 5" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	64.95		
33 42 11 00-0066	EA	6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	60.60		
33 42 11 00-0067	EA	8" x 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	90.91		
33 42 11 00-0068	EA	8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	79.09		
33 42 11 00-0069	EA	10" x 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	113.65		
33 42 11 00-0070	EA	10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	101.18		
33 42 11 00-0071	EA	12" x 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	136.72		
33 42 11 00-0072	EA	12" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	115.12		
33 42 11 00-0073	EA	15" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	348.89		
33 42 11 00-0074		Precast Concrete Cut Off Wall (33 42 11 00-0001)			
33 42 11 00-0075	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	288.65		197.38
33 42 11 00-0076	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	356.04		244.50
33 42 11 00-0077	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	441.34		309.54
33 42 11 00-0078	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	522.16		370.10
33 42 11 00-0079	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	600.63		428.31
33 42 11 00-0080	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	739.89		547.30
33 42 11 00-0081	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	966.70		753.67
33 42 11 00-0082	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,204.79		951.05
33 42 11 00-0083	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,487.15		1,193.07
33 42 11 00-0084	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,664.16		1,344.70
33 42 11 00-0085	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,857.81		1,507.32
33 42 11 00-0086	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,054.13		1,674.43
33 42 11 00-0087	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,134.49		1,738.36
33 42 11 00-0088	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,205.16		1,794.43
33 42 11 00-0089	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,275.83		1,850.50
33 42 11 00-0090	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,348.35		1,906.59
33 42 11 00-0091		Strap Assembly (33 42 11 00-0001)			
		Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.			
33 42 11 00-0092	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	255.01		
33 42 11 00-0093	EA	>24" Diameter Pipe, 12' Strap Assembly	360.13		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
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33 42 11 00-0094	Prestressed Concrete Cylinder Piping (33 42 11)		
	Note: Includes detectable tracer wire.		
33 42 11 00-0095	150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0094)		
33 42 11 00-0096	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0095)		
	Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0097	LF 12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	155.14	17.54
	For >1,000, Deduct	-7.76	
	For 100 PSI, Deduct	-32.52	
33 42 11 00-0098	LF 15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	165.49	19.52
	For >1,000, Deduct	-8.27	
	For 100 PSI, Deduct	-34.40	
33 42 11 00-0099	LF 18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	179.91	24.34
	For >1,000, Deduct	-9.00	
	For 100 PSI, Deduct	-36.29	
33 42 11 00-0100	LF 21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	196.53	30.70
	For >1,000, Deduct	-9.83	
	For 100 PSI, Deduct	-38.17	
33 42 11 00-0101	LF 24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	213.45	37.28
	For >1,000, Deduct	-10.67	
	For 100 PSI, Deduct	-40.05	
33 42 11 00-0102	LF 30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	250.69	49.34
	For >1,000, Deduct	-12.53	
	For 100 PSI, Deduct	-44.84	
33 42 11 00-0103	LF 36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	277.83	56.07
	For >1,000, Deduct	-13.89	
	For 100 PSI, Deduct	-49.64	
33 42 11 00-0104	LF 42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	322.76	61.69
	For >1,000, Deduct	-16.14	
	For 100 PSI, Deduct	-58.88	
33 42 11 00-0105	LF 48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	370.61	68.69
	For >1,000, Deduct	-18.53	
	For 100 PSI, Deduct	-68.12	
33 42 11 00-0106	LF 54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	490.32	88.27
	For >1,000, Deduct	-24.52	
	For 100 PSI, Deduct	-91.06	
33 42 11 00-0107	LF 60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	591.28	102.40
	For >1,000, Deduct	-29.56	
	For 100 PSI, Deduct	-111.25	
33 42 11 00-0108	LF 66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	664.61	113.49
	For >1,000, Deduct	-33.23	
	For 100 PSI, Deduct	-125.80	
33 42 11 00-0109	LF 72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	741.35	123.58
	For >1,000, Deduct	-37.07	
	For 100 PSI, Deduct	-141.20	
33 42 11 00-0110	LF 78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	842.15	138.71
	For >1,000, Deduct	-42.11	
	For 100 PSI, Deduct	-160.89	
33 42 11 00-0111	LF 84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	942.94	154.47
	For >1,000, Deduct	-47.15	
	For 100 PSI, Deduct	-180.57	
33 42 11 00-0112	LF 90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,165.62	180.32
	For >1,000, Deduct	-58.28	
	For 100 PSI, Deduct	-226.78	
33 42 11 00-0113	LF 96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,372.47	205.92
	For >1,000, Deduct	-68.62	
	For 100 PSI, Deduct	-269.57	
33 42 11 00-0114	LF 102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,602.08	222.89
	For >1,000, Deduct	-80.10	
	For 100 PSI, Deduct	-320.92	
33 42 11 00-0115	LF 108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,810.06	236.69
	For >1,000, Deduct	-90.50	
	For 100 PSI, Deduct	-367.98	
33 42 11 00-0116	LF 114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,189.21	250.49
	For >1,000, Deduct	-109.46	
	For 100 PSI, Deduct	-457.84	
33 42 11 00-0117	LF 120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,549.57	263.13
	For >1,000, Deduct	-127.48	
	For 100 PSI, Deduct	-543.42	
33 42 11 00-0118	LF 126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,779.85	275.76
	For >1,000, Deduct	-138.99	
	For 100 PSI, Deduct	-596.48	
33 42 11 00-0119	LF 132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	3,013.56	288.40
	For >1,000, Deduct	-150.68	
	For 100 PSI, Deduct	-650.39	
33 42 11 00-0120	LF 138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	3,245.56	301.04
	For >1,000, Deduct	-162.28	
	For 100 PSI, Deduct	-703.88	
33 42 11 00-0121	LF 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	3,477.55	313.67
	For >1,000, Deduct	-173.88	
	For 100 PSI, Deduct	-757.36	
33 42 11 00-0122	150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets (33 42 11 00-0095)		
33 42 11 00-0123	EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	503.49	164.46
33 42 11 00-0124	EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	695.79	234.93
33 42 11 00-0125	EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	893.50	313.24
33 42 11 00-0126	EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,091.20	391.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0127	EA	24"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,323.34	486.58
33 42 11 00-0128	EA	30"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,696.72	652.60
33 42 11 00-0129	EA	36"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,117.52	785.06
33 42 11 00-0130	EA	42"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,465.83	916.28
33 42 11 00-0131	EA	48"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,774.71	1,046.38
33 42 11 00-0132	EA	54"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,411.58	1,306.57
33 42 11 00-0133	EA	60"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,446.36	1,765.38
33 42 11 00-0134	EA	66"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,954.47	1,954.54
33 42 11 00-0135	EA	72"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,462.57	2,143.69
33 42 11 00-0136	EA	78"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,608.78	2,458.93
33 42 11 00-0137	EA	84"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,748.02	2,774.18
33 42 11 00-0138	EA	90"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,185.76	3,152.47
33 42 11 00-0139	EA	96"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	10,616.53	3,530.78
33 42 11 00-0140	EA	102"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,198.88	4,481.09
33 42 11 00-0141	EA	108"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,716.24	5,377.31
33 42 11 00-0142	EA	114"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	23,004.83	7,169.75
33 42 11 00-0143	EA	120"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	28,208.59	8,962.18
33 42 11 00-0144	EA	126"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	31,881.84	9,666.36
33 42 11 00-0145	EA	132"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	35,559.82	10,370.52
33 42 11 00-0146	EA	138"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	46,667.02	11,074.70
33 42 11 00-0147	EA	144"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	42,991.86	11,778.86

33 42 11 00-0148 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33 42 11 00-0099)

33 42 11 00-0149	EA	12"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	468.57	164.46
33 42 11 00-0150	EA	15"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	650.61	234.93
33 42 11 00-0151	EA	18"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	840.10	313.24
33 42 11 00-0152	EA	21"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,029.58	391.56
33 42 11 00-0153	EA	24"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,253.50	486.58
33 42 11 00-0154	EA	30"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,600.88	608.74
33 42 11 00-0155	EA	36"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,007.98	785.06
33 42 11 00-0156	EA	42"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,339.18	916.28
33 42 11 00-0157	EA	48"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,638.47	1,046.38
33 42 11 00-0158	EA	54"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,218.24	1,306.57
33 42 11 00-0159	EA	60"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,261.95	1,765.38
33 42 11 00-0160	EA	66"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,756.70	1,954.54
33 42 11 00-0161	EA	72"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,251.44	2,143.69
33 42 11 00-0162	EA	78"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,115.96	2,458.93
33 42 11 00-0163	EA	84"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,973.51	2,774.18
33 42 11 00-0164	EA	90"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,208.33	3,152.47
33 42 11 00-0165	EA	96"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,436.17	3,530.78
33 42 11 00-0166	EA	102"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	12,324.91	4,413.47
33 42 11 00-0167	EA	108"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	15,419.12	5,377.31
33 42 11 00-0168	EA	114"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	20,148.83	7,169.75
33 42 11 00-0169	EA	120"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	24,793.70	8,962.18
33 42 11 00-0170	EA	126"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	27,715.07	9,666.36
33 42 11 00-0171	EA	132"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	30,641.17	11,778.86
33 42 11 00-0172	EA	138"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	33,578.84	11,074.70
33 42 11 00-0173	EA	144"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	36,862.65	11,778.86

33 42 11 00-0174 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0094)

33 42 11 00-0175 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0174)

33 42 11 00-0176	LF	30"	400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	295.71	49.34
			For >1,000, Deduct	-14.79	
33 42 11 00-0177	LF	36"	400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	360.97	56.07
			For >1,000, Deduct	-18.05	
33 42 11 00-0178	LF	42"	400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	421.46	61.69
			For >1,000, Deduct	-21.07	

33 42 11 00-0179 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0174)

33 42 11 00-0180	LF	48"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	568.87	68.64
			For >1,000, Deduct	-28.44	
33 42 11 00-0181	LF	54"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	680.61	88.27
			For >1,000, Deduct	-34.03	
33 42 11 00-0182	LF	60"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	784.57	102.40
			For >1,000, Deduct	-39.23	
33 42 11 00-0183	LF	66"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	883.47	113.49
			For >1,000, Deduct	-44.17	
33 42 11 00-0184	LF	72"	400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	1,071.21	123.58
			For >1,000, Deduct	-53.56	

33 42 11 00-0185 Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0174)

Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.					
33 42 11 00-0186	EA	30"	Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,270.57	
33 42 11 00-0187	EA	36"	Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,438.76	
33 42 11 00-0188	EA	42"	Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,522.85	
33 42 11 00-0189	EA	48"	Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,859.23	

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33 42 11 00-0190	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,943.33	
33 42 11 00-0191	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,111.52	
33 42 11 00-0192	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,195.61	
33 42 11 00-0193	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,279.71	
33 42 11 00-0194	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,204.75	
33 42 11 00-0195	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,204.75	
33 42 11 00-0196	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,793.42	
33 42 11 00-0197	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,793.42	
33 42 11 00-0198	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,129.80	
33 42 11 00-0199	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,129.80	
33 42 11 00-0200	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,550.27	
33 42 11 00-0201	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,550.27	

33 42 11 00-0202 Quick Test Joints (33 42 11 00-0174)

33 42 11 00-0203	EA	30" Quick Test Joint.....	636.85	
33 42 11 00-0204	EA	36" Quick Test Joint.....	642.46	
33 42 11 00-0205	EA	42" Quick Test Joint.....	648.07	
33 42 11 00-0206	EA	48" Quick Test Joint.....	661.21	
33 42 11 00-0207	EA	54" Quick Test Joint.....	690.80	
33 42 11 00-0208	EA	60" Quick Test Joint.....	715.96	
33 42 11 00-0209	EA	66" Quick Test Joint.....	753.67	
33 42 11 00-0210	EA	72" Quick Test Joint.....	791.38	

33 42 11 00-0211 Harnessed Joints (33 42 11 00-0174)**33 42 11 00-0212 Harness Clamp Restrained Joints (33 42 11 00-0211)**

33 42 11 00-0213	EA	30" Harness Clamp Restrained Joint.....	12,501.53	
33 42 11 00-0214	EA	36" Harness Clamp Restrained Joint.....	12,984.51	
33 42 11 00-0215	EA	42" Harness Clamp Restrained Joint.....	13,467.50	
33 42 11 00-0216	EA	48" Harness Clamp Restrained Joint.....	13,950.48	
33 42 11 00-0217	EA	54" Harness Clamp Restrained Joint.....	14,447.42	
33 42 11 00-0218	EA	60" Harness Clamp Restrained Joint.....	15,176.09	
33 42 11 00-0219	EA	66" Harness Clamp Restrained Joint.....	15,666.08	
33 42 11 00-0220	EA	72" Harness Clamp Restrained Joint.....	16,776.66	

33 42 11 00-0221 Snap Ring Restrained Joints (33 42 11 00-0211)

33 42 11 00-0222	EA	30" Snap Ring Restrained Joint.....	1,999.23	
33 42 11 00-0223	EA	36" Snap Ring Restrained Joint.....	2,291.27	
33 42 11 00-0224	EA	42" Snap Ring Restrained Joint.....	3,108.42	
33 42 11 00-0225	EA	48" Snap Ring Restrained Joint.....	3,543.66	
33 42 11 00-0226	EA	54" Snap Ring Restrained Joint.....	3,992.86	
33 42 11 00-0227	EA	60" Snap Ring Restrained Joint.....	4,530.58	
33 42 11 00-0228	EA	66" Snap Ring Restrained Joint.....	5,020.57	
33 42 11 00-0229	EA	72" Snap Ring Restrained Joint.....	5,606.03	

33 42 11 00-0230 Pipe Repairs (33 42 11 00-0174)

Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.

33 42 11 00-0231 Lined Cylinder Pipe Repair (33 42 11 00-0230)

33 42 11 00-0232	EA	30" Lined Cylinder Pipe Repair.....	6,511.27	
33 42 11 00-0233	EA	36" Lined Cylinder Pipe Repair.....	8,064.72	
33 42 11 00-0234	EA	42" Lined Cylinder Pipe Repair.....	11,271.38	

33 42 11 00-0235 Embedded Cylinder Pipe Repair (33 42 11 00-0230)

Note: Field welded concrete enclosure assembly with concrete pipe.

33 42 11 00-0236	EA	48" Embedded Cylinder Pipe Repair.....	16,937.49	
33 42 11 00-0237	EA	54" Embedded Cylinder Pipe Repair.....	19,690.79	
33 42 11 00-0238	EA	60" Embedded Cylinder Pipe Repair.....	22,462.74	
33 42 11 00-0239	EA	66" Embedded Cylinder Pipe Repair.....	25,381.00	
33 42 11 00-0240	EA	72" Embedded Cylinder Pipe Repair.....	30,595.33	

33 42 11 00-0241 Tapping For Prestressed Concrete Cylinder Pipe (33 42 11 00-0094)**33 42 11 00-0242 Tapping Assembly For Prestressed Concrete Cylinder Pipe (33 42 11 00-0241)**

Note: For use with lock-joint style pipe.

33 42 11 00-0243	EA	4" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe.....	3,213.52	
33 42 11 00-0244	EA	6" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe.....	3,307.16	
33 42 11 00-0245	EA	8" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe.....	3,768.49	
33 42 11 00-0246	EA	10" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe.....	4,257.72	
33 42 11 00-0247	EA	12" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe.....	4,581.88	
33 42 11 00-0248	EA	4" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe.....	3,282.82	
33 42 11 00-0249	EA	6" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe.....	3,612.20	
33 42 11 00-0250	EA	8" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe.....	3,771.15	
33 42 11 00-0251	EA	10" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe.....	4,416.08	
33 42 11 00-0252	EA	12" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe.....	5,615.04	
33 42 11 00-0253	EA	4" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe.....	3,322.72	
33 42 11 00-0254	EA	6" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe.....	3,536.11	
33 42 11 00-0255	EA	8" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe.....	4,039.56	
33 42 11 00-0256	EA	10" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe.....	5,104.28	

		Utilities	33	33
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	
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33 42 11 00-0257	EA	12" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	5,073.06	
33 42 11 00-0258	EA	6" Tapping Assembly, 30" Diameter Prestressed Concrete Cylinder Pipe	30,593.04	
33 42 11 00-0259	EA	8" Tapping Assembly, 30" Diameter Prestressed Concrete Cylinder Pipe	4,384.83	

33 42 11 00-0260 Tapping Assembly And Gland Insert For Prestressed Concrete Cylinder Pipe (33 42 11 00-0241)

Note: For use with lock-joint style pipe.

33 42 11 00-0261	EA	3/4" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	786.46	
33 42 11 00-0262	EA	1" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	822.51	
33 42 11 00-0263	EA	1-1/4" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	902.32	
33 42 11 00-0264	EA	1-1/2" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	833.63	
33 42 11 00-0265	EA	2" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	833.79	
33 42 11 00-0266	EA	3/4" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	838.46	
33 42 11 00-0267	EA	1" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	911.99	
33 42 11 00-0268	EA	1-1/2" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	873.61	
33 42 11 00-0269	EA	2" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	873.61	
33 42 11 00-0270	EA	1" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	955.54	
33 42 11 00-0271	EA	1-1/4" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	976.28	
33 42 11 00-0272	EA	1-1/2" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	983.50	
33 42 11 00-0273	EA	2" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	991.78	

33 42 11 00-0274 High-Density Polyethylene (HDPE) Drainage Piping (33 42 11)

Note: Includes detectable tracer wire.

33 42 11 00-0275 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0274)

Note: Excludes couplings and gaskets.

33 42 11 00-0276 Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0275)

33 42 11 00-0277	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.43	7.24
		For <100, Add	2.89	
		For >1,000, Deduct	-1.55	
33 42 11 00-0278	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.81	8.42
		For <100, Add	3.37	
		For >1,000, Deduct	-1.93	
33 42 11 00-0279	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	27.03	9.78
		For <100, Add	3.91	
		For >1,000, Deduct	-2.33	
33 42 11 00-0280	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.02	10.13
		For <100, Add	4.05	
		For >1,000, Deduct	-2.56	
33 42 11 00-0281	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.65	10.49
		For <100, Add	4.19	
		For >1,000, Deduct	-2.68	
33 42 11 00-0282	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.38	10.86
		For <100, Add	4.34	
		For >1,000, Deduct	-2.95	
33 42 11 00-0283	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	45.88	11.25
		For <100, Add	4.50	
		For >1,000, Deduct	-3.42	
33 42 11 00-0284	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	63.59	13.18
		For <100, Add	5.27	
		For >1,000, Deduct	-4.50	
33 42 11 00-0285	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	90.48	17.74
		For <100, Add	7.10	
		For >1,000, Deduct	-6.30	
33 42 11 00-0286	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	119.21	22.43
		For <100, Add	8.97	
		For >1,000, Deduct	-8.20	

33 42 11 00-0287 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0275)

33 42 11 00-0288	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.45	10.49
		For <100, Add	4.19	
		For >1,000, Deduct	-2.67	
33 42 11 00-0289	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.21	10.86
		For <100, Add	4.34	
		For >1,000, Deduct	-3.00	
33 42 11 00-0290	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	47.12	11.25
		For <100, Add	4.50	
		For >1,000, Deduct	-3.48	
33 42 11 00-0291	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	65.55	13.18
		For <100, Add	5.27	
		For >1,000, Deduct	-4.60	
33 42 11 00-0292	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	95.84	17.74
		For <100, Add	7.10	
		For >1,000, Deduct	-6.57	
33 42 11 00-0293	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	123.19	22.43
		For <100, Add	8.97	
		For >1,000, Deduct	-8.40	
33 42 11 00-0294	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	162.01	24.47
		For <100, Add	9.79	
		For >1,000, Deduct	-10.55	

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33 42 11 00-0295	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	176.39	27.61
		For <100, Add	11.04	
		For >1,000, Deduct	-11.58	

33 42 11 00-0296 Perforated, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0274)

Note: Excludes couplings and gaskets.

33 42 11 00-0297 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0296)

33 42 11 00-0298	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.46	7.24
		For <100, Add	2.89	
		For >1,000, Deduct	-1.60	
33 42 11 00-0299	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.85	8.42
		For <100, Add	3.37	
		For >1,000, Deduct	-1.93	
33 42 11 00-0300	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	27.03	9.78
		For <100, Add	3.91	
		For >1,000, Deduct	-2.33	
33 42 11 00-0301	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.05	10.13
		For <100, Add	4.05	
		For >1,000, Deduct	-2.57	
33 42 11 00-0302	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.65	10.49
		For <100, Add	4.19	
		For >1,000, Deduct	-2.68	
33 42 11 00-0303	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.42	10.86
		For <100, Add	4.34	
		For >1,000, Deduct	-2.96	
33 42 11 00-0304	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	45.91	11.25
		For <100, Add	4.50	
		For >1,000, Deduct	-3.42	
33 42 11 00-0305	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	63.59	13.18
		For <100, Add	5.27	
		For >1,000, Deduct	-4.50	
33 42 11 00-0306	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	90.82	17.74
		For <100, Add	7.10	
		For >1,000, Deduct	-6.32	
33 42 11 00-0307	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	119.21	22.43
		For <100, Add	8.97	
		For >1,000, Deduct	-8.20	

33 42 11 00-0308 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping (33 42 11 00-0296)

33 42 11 00-0309	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.48	10.49
		For <100, Add	4.19	
		For >1,000, Deduct	-2.67	
33 42 11 00-0310	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.24	10.86
		For <100, Add	4.34	
		For >1,000, Deduct	-3.00	
33 42 11 00-0311	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	47.15	11.25
		For <100, Add	4.50	
		For >1,000, Deduct	-3.48	
33 42 11 00-0312	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	65.55	13.18
		For <100, Add	5.27	
		For >1,000, Deduct	-4.60	
33 42 11 00-0313	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	95.84	17.74
		For <100, Add	7.10	
		For >1,000, Deduct	-6.57	
33 42 11 00-0314	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	123.19	22.43
		For <100, Add	8.97	
		For >1,000, Deduct	-8.40	
33 42 11 00-0315	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	162.01	24.47
		For <100, Add	9.79	
		For >1,000, Deduct	-10.55	
33 42 11 00-0316	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	176.39	27.61
		For <100, Add	11.04	
		For >1,000, Deduct	-11.58	

33 42 11 00-0317 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0274)

Note: Excludes couplings and gaskets.

33 42 11 00-0318 Tees, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) (33 42 11 00-0317)

33 42 11 00-0319	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	62.25	25.53
33 42 11 00-0320	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	77.49	29.79
33 42 11 00-0321	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	121.33	36.18
33 42 11 00-0322	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	181.75	44.69

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33 42 11 00-0323	EA		12" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	281.27	53.20
33 42 11 00-0324	EA		15" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	395.22	69.52
33 42 11 00-0325	EA		18" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	566.36	93.62
33 42 11 00-0326	EA		24" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	721.55	106.87
33 42 11 00-0327	EA		30" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,240.93	123.42
33 42 11 00-0328	EA		36" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,588.69	142.57
33 42 11 00-0329	EA		42" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	2,623.49	170.23
33 42 11 00-0330	EA		48" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	3,289.27	202.16

33 42 11 00-0331 Wyes, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) (33 42 11 00-0317)

33 42 11 00-0332	EA		4" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	87.45	25.53
33 42 11 00-0333	EA		6" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	105.15	29.79
33 42 11 00-0334	EA		8" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	138.80	36.18
33 42 11 00-0335	EA		10" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	200.99	44.69
33 42 11 00-0336	EA		12" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	343.21	53.20
33 42 11 00-0337	EA		15" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	376.22	69.52
33 42 11 00-0338	EA		18" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	529.40	93.62

33 42 11 00-0339 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) (33 42 11 00-0317)

33 42 11 00-0340	EA		4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	38.33	17.03
33 42 11 00-0341	EA		6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	46.94	19.86
33 42 11 00-0342	EA		8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	66.90	24.12
33 42 11 00-0343	EA		10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	84.03	29.79
33 42 11 00-0344	EA		12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	119.40	35.47
33 42 11 00-0345	EA		15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	185.19	45.40
33 42 11 00-0346	EA		18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	246.17	62.42
33 42 11 00-0347	EA		24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	451.80	70.93
33 42 11 00-0348	EA		30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	622.50	82.28
33 42 11 00-0349	EA		36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	729.04	95.05
33 42 11 00-0350	EA		42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	929.11	113.49
33 42 11 00-0351	EA		48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,250.00	134.76

33 42 11 00-0352 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) (33 42 11 00-0317)

33 42 11 00-0353	EA		4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	41.09	17.03
33 42 11 00-0354	EA		6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	52.69	19.86
33 42 11 00-0355	EA		8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	69.84	24.12
33 42 11 00-0356	EA		10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	107.89	29.79
33 42 11 00-0357	EA		12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	119.40	35.47
33 42 11 00-0358	EA		15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	184.72	45.40
33 42 11 00-0359	EA		18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	284.65	62.42
33 42 11 00-0360	EA		24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	481.53	70.93
33 42 11 00-0361	EA		30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	623.92	82.28
33 42 11 00-0362	EA		36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	793.12	95.05
33 42 11 00-0363	EA		42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,176.41	113.49
33 42 11 00-0364	EA		48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE).....	1,471.65	134.76

33 42 11 00-0365 Couplings And End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0274)

Note: For single and double wall high-density polyethylene (HDPE) piping.

33 42 11 00-0366 Couplings, Corrugated High-Density Polyethylene (HDPE) Pipe (33 42 11 00-0365)

33 42 11 00-0367	EA		4" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	1.64	
33 42 11 00-0368	EA		6" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.95	
33 42 11 00-0369	EA		8" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	4.54	
33 42 11 00-0370	EA		10" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	5.59	
33 42 11 00-0371	EA		12" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	6.01	
33 42 11 00-0372	EA		15" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	8.55	
33 42 11 00-0373	EA		18" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	12.66	
33 42 11 00-0374	EA		24" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	20.15	
33 42 11 00-0375	EA		30" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	30.93	
33 42 11 00-0376	EA		36" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	40.48	
33 42 11 00-0377	EA		42" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	63.63	
33 42 11 00-0378	EA		48" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	86.06	

33 42 11 00-0379 Self-Adhering Gaskets, Corrugated High-Density Polyethylene (HDPE) Pipe (33 42 11 00-0365)

33 42 11 00-0380	EA		4" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	87.14	
33 42 11 00-0381	EA		6" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	91.24	
33 42 11 00-0382	EA		8" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	95.53	
33 42 11 00-0383	EA		10" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	100.02	
33 42 11 00-0384	EA		12" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	118.63	
33 42 11 00-0385	EA		15" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	122.49	
33 42 11 00-0386	EA		18" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	127.75	
33 42 11 00-0387	EA		24" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	145.52	
33 42 11 00-0388	EA		30" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	233.27	
33 42 11 00-0389	EA		36" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	255.51	

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33 42 11 00-0390	EA	42" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	278.40	
33 42 11 00-0391	EA	48" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	338.12	

33 42 11 00-0392 End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe (33 42 11 00-0395)

33 42 11 00-0393	EA	6" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	35.06	
33 42 11 00-0394	EA	8" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	41.10	
33 42 11 00-0395	EA	10" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	66.28	
33 42 11 00-0396	EA	12" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	112.36	
33 42 11 00-0397	EA	15" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	130.67	
33 42 11 00-0398	EA	18" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	176.45	
33 42 11 00-0399	EA	24" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	182.93	

33 42 11 00-0400 Corrugated Metal Piping (33 42 11)
33 42 11 00-0401 Galvanized Corrugated Steel Piping (33 42 11 00-0400)
33 42 11 00-0402 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0401)
33 42 11 00-0403 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33)

33 42 11 00-0404	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	42.59	10.96
		For Bituminous Coated Pipe, Add	4.79	
		For Bituminous Coated And 25% Paved, Add	9.81	
		For Smooth-Flo, Add	17.51	
33 42 11 00-0405	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	48.53	11.49
		For Bituminous Coated Pipe, Add	6.04	
		For Bituminous Coated And 25% Paved, Add	12.35	
		For Smooth-Flo, Add	22.05	
33 42 11 00-0406	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	54.66	12.53
		For Bituminous Coated Pipe, Add	7.31	
		For Bituminous Coated And 25% Paved, Add	14.95	
		For Smooth-Flo, Add	26.71	
33 42 11 00-0407	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	62.52	13.57
		For Bituminous Coated Pipe, Add	8.75	
		For Bituminous Coated And 25% Paved, Add	17.89	
		For Smooth-Flo, Add	31.95	
33 42 11 00-0408	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	69.31	14.61
		For Bituminous Coated Pipe, Add	9.84	
		For Bituminous Coated And 25% Paved, Add	20.13	
		For Smooth-Flo, Add	35.95	
33 42 11 00-0409	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	91.31	18.80
		For Bituminous Coated Pipe, Add	12.77	
		For Bituminous Coated And 25% Paved, Add	26.12	
		For Smooth-Flo, Add	46.64	
33 42 11 00-0410	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	118.89	24.68
		For Bituminous Coated Pipe, Add	16.11	
		For Bituminous Coated And 25% Paved, Add	32.94	
		For Smooth-Flo, Add	58.83	
33 42 11 00-0411	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	135.84	29.16
		For Bituminous Coated Pipe, Add	19.06	
		For Bituminous Coated And 25% Paved, Add	38.98	
		For Smooth-Flo, Add	69.62	
33 42 11 00-0412	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	152.62	33.65
		For Bituminous Coated Pipe, Add	21.34	
		For Bituminous Coated And 25% Paved, Add	43.66	
		For Smooth-Flo, Add	77.97	

33 42 11 00-0413 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33)

33 42 11 00-0414	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	46.87	10.96
		For Bituminous Coated Pipe, Add	4.87	
		For Bituminous Coated And 25% Paved, Add	11.27	
		For Smooth-Flo, Add	22.79	
33 42 11 00-0415	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	53.80	11.49
		For Bituminous Coated Pipe, Add	6.10	
		For Bituminous Coated And 25% Paved, Add	14.14	
		For Smooth-Flo, Add	28.58	
33 42 11 00-0416	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	61.04	12.53
		For Bituminous Coated Pipe, Add	7.39	
		For Bituminous Coated And 25% Paved, Add	17.12	
		For Smooth-Flo, Add	34.61	
33 42 11 00-0417	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	69.88	13.57
		For Bituminous Coated Pipe, Add	8.79	
		For Bituminous Coated And 25% Paved, Add	20.36	
		For Smooth-Flo, Add	41.15	
33 42 11 00-0418	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	77.87	14.61
		For Bituminous Coated Pipe, Add	9.94	
		For Bituminous Coated And 25% Paved, Add	23.04	
		For Smooth-Flo, Add	46.57	
33 42 11 00-0419	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	101.77	18.80
		For Bituminous Coated Pipe, Add	12.77	
		For Bituminous Coated And 25% Paved, Add	29.59	
		For Smooth-Flo, Add	59.81	
33 42 11 00-0420	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	131.58	24.68
		For Bituminous Coated Pipe, Add	16.01	
		For Bituminous Coated And 25% Paved, Add	37.08	
		For Smooth-Flo, Add	74.96	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0421	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	150.37 18.84 43.66 88.24	29.16
33 42 11 00-0422	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	169.25 21.18 49.06 99.17	33.65
33 42 11 00-0423	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	202.81 26.04 60.33 121.96	38.13
33 42 11 00-0424 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping^(33 42 11 00-0402)				
33 42 11 00-0425	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	74.23 8.46 15.28 29.37	12.53
33 42 11 00-0426	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	85.22 10.00 18.06 34.72	13.57
33 42 11 00-0427	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	95.34 11.34 20.48 39.35	13.57
33 42 11 00-0428	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	123.37 14.42 26.04 50.04	18.80
33 42 11 00-0429	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	157.22 17.83 32.20 61.88	24.68
33 42 11 00-0430	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	179.99 20.89 37.73 72.51	29.16
33 42 11 00-0431	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	203.20 23.59 42.61 81.88	33.65
33 42 11 00-0432	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	240.29 28.29 51.08 98.18	38.13
33 42 11 00-0433	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	262.75 30.98 55.94 107.52	40.37
33 42 11 00-0434	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	318.47 37.71 68.11 130.89	49.34
33 42 11 00-0435 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping^(33 42 11 00-0402)				
33 42 11 00-0436	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	181.21 22.68 37.89 54.06	24.68
33 42 11 00-0437	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	208.06 26.57 44.39 63.33	29.16
33 42 11 00-0438	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	235.05 30.03 50.17 71.58	33.65
33 42 11 00-0439	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	275.98 35.57 59.41 84.78	38.13
33 42 11 00-0440	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	302.47 39.06 65.25 93.11	40.37
33 42 11 00-0441	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	362.13 46.73 78.06 111.38	49.34
33 42 11 00-0442	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	427.81 50.17 83.81 119.59	71.78
33 42 11 00-0443 3" x 1" Corrugation, Galvanized Corrugated Steel Piping^(33 42 11 00-0401)				

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-0444 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0443)			
33 42 11 00-0445	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	140.89
		For Bituminous Coated Pipe, Add	17.71
		For Bituminous Coated And 25% Paved, Add	40.20
		For Smooth-Flo, Add	80.05
33 42 11 00-0446	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	161.07
		For Bituminous Coated Pipe, Add	20.80
		For Bituminous Coated And 25% Paved, Add	47.21
		For Smooth-Flo, Add	94.00
33 42 11 00-0447	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	181.05
		For Bituminous Coated Pipe, Add	23.33
		For Bituminous Coated And 25% Paved, Add	52.95
		For Smooth-Flo, Add	105.43
33 42 11 00-0448	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	216.35
		For Bituminous Coated Pipe, Add	28.49
		For Bituminous Coated And 25% Paved, Add	64.68
		For Smooth-Flo, Add	128.78
33 42 11 00-0449	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	235.72
		For Bituminous Coated Pipe, Add	31.04
		For Bituminous Coated And 25% Paved, Add	70.46
		For Smooth-Flo, Add	140.30
33 42 11 00-0450	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	295.97
		For Bituminous Coated Pipe, Add	39.87
		For Bituminous Coated And 25% Paved, Add	90.50
		For Smooth-Flo, Add	180.21
33 42 11 00-0451	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	355.23
		For Bituminous Coated Pipe, Add	42.50
		For Bituminous Coated And 25% Paved, Add	96.47
		For Smooth-Flo, Add	192.09
33 42 11 00-0452	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	382.69
		For Bituminous Coated Pipe, Add	45.14
		For Bituminous Coated And 25% Paved, Add	102.46
		For Smooth-Flo, Add	204.01
33 42 11 00-0453	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	407.11
		For Bituminous Coated Pipe, Add	47.78
		For Bituminous Coated And 25% Paved, Add	108.45
		For Smooth-Flo, Add	215.95
33 42 11 00-0454	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	431.57
		For Bituminous Coated Pipe, Add	50.42
		For Bituminous Coated And 25% Paved, Add	114.46
		For Smooth-Flo, Add	227.92
33 42 11 00-0455	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	456.74
		For Bituminous Coated Pipe, Add	53.05
		For Bituminous Coated And 25% Paved, Add	120.43
		For Smooth-Flo, Add	239.80
33 42 11 00-0456	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	485.15
		For Bituminous Coated Pipe, Add	55.71
		For Bituminous Coated And 25% Paved, Add	126.46
		For Smooth-Flo, Add	251.81
33 42 11 00-0457 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0443)			
33 42 11 00-0458	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	238.80
		For Bituminous Coated Pipe, Add	32.98
		For Bituminous Coated And 25% Paved, Add	64.64
		For Smooth-Flo, Add	130.61
33 42 11 00-0459	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	260.56
		For Bituminous Coated Pipe, Add	36.01
		For Bituminous Coated And 25% Paved, Add	70.58
		For Smooth-Flo, Add	142.59
33 42 11 00-0460	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	323.30
		For Bituminous Coated Pipe, Add	45.34
		For Bituminous Coated And 25% Paved, Add	88.86
		For Smooth-Flo, Add	179.53
33 42 11 00-0461	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	385.00
		For Bituminous Coated Pipe, Add	48.45
		For Bituminous Coated And 25% Paved, Add	94.97
		For Smooth-Flo, Add	191.87
33 42 11 00-0462	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	414.85
		For Bituminous Coated Pipe, Add	51.57
		For Bituminous Coated And 25% Paved, Add	101.07
		For Smooth-Flo, Add	204.21
33 42 11 00-0463	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	441.80
		For Bituminous Coated Pipe, Add	54.71
		For Bituminous Coated And 25% Paved, Add	107.24
		For Smooth-Flo, Add	216.67
33 42 11 00-0464	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	468.60
		For Bituminous Coated Pipe, Add	57.83
		For Bituminous Coated And 25% Paved, Add	113.35
		For Smooth-Flo, Add	229.01
33 42 11 00-0465	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	496.21
		For Bituminous Coated Pipe, Add	60.95
		For Bituminous Coated And 25% Paved, Add	119.45
		For Smooth-Flo, Add	241.35
33 42 11 00-0466	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	527.01
		For Bituminous Coated Pipe, Add	64.08
		For Bituminous Coated And 25% Paved, Add	125.60
		For Smooth-Flo, Add	253.76

			Utilities	33	33
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0467	LF	108"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	560.40 67.22 131.75 266.18	112.15
33 42 11 00-0468	LF	114"	14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	593.03 70.29 137.78 278.36	123.36
33 42 11 00-0469 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0443)					
33 42 11 00-0470	LF	60"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	315.66 47.03 89.59 146.02	40.37
33 42 11 00-0471	LF	66"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	384.33 57.54 109.62 178.67	49.34
33 42 11 00-0472	LF	72"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	451.35 61.72 117.58 191.65	71.78
33 42 11 00-0473	LF	78"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	486.58 65.91 125.57 204.66	78.51
33 42 11 00-0474	LF	84"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	518.85 70.12 133.59 217.74	84.11
33 42 11 00-0475	LF	90"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	551.03 74.32 141.57 230.75	89.72
33 42 11 00-0476	LF	96"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	584.06 78.52 149.57 243.79	95.33
33 42 11 00-0477	LF	102"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	620.24 82.73 157.60 256.87	100.94
33 42 11 00-0478	LF	108"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	658.90 86.92 165.58 269.88	112.15
33 42 11 00-0479	LF	114"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	696.96 91.08 173.51 282.80	123.36
33 42 11 00-0480	LF	120"	12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	733.86 95.29 181.53 295.88	134.58
33 42 11 00-0481 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0443)					
33 42 11 00-0482	LF	72"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	513.22 74.10 140.78 188.20	71.78
33 42 11 00-0483	LF	78"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	553.53 79.30 150.68 201.43	78.51
33 42 11 00-0484	LF	84"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	590.88 84.53 160.61 214.71	84.11
33 42 11 00-0485	LF	90"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	628.13 89.74 170.50 227.93	89.72
33 42 11 00-0486	LF	96"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	666.24 94.95 180.41 241.18	95.33
33 42 11 00-0487	LF	102"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	707.50 100.18 190.34 254.46	100.94
33 42 11 00-0488	LF	108"	10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	751.24 105.39 200.23 267.68	112.15

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0489	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	794.32	123.36
		For Bituminous Coated Pipe, Add	110.55	
		For Bituminous Coated And 25% Paved, Add	210.05	
		For Smooth-Flo, Add	280.80	
33 42 11 00-0490	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	836.34	134.58
		For Bituminous Coated Pipe, Add	115.79	
		For Bituminous Coated And 25% Paved, Add	220.00	
		For Smooth-Flo, Add	294.10	
33 42 11 00-0491	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	880.34	145.80
		For Bituminous Coated Pipe, Add	120.98	
		For Bituminous Coated And 25% Paved, Add	229.85	
		For Smooth-Flo, Add	307.28	
33 42 11 00-0492	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	927.26	157.01
		For Bituminous Coated Pipe, Add	126.20	
		For Bituminous Coated And 25% Paved, Add	239.78	
		For Smooth-Flo, Add	320.55	
33 42 11 00-0493	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	977.63	168.23
		For Bituminous Coated Pipe, Add	131.44	
		For Bituminous Coated And 25% Paved, Add	249.73	
		For Smooth-Flo, Add	333.85	
33 42 11 00-0494		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0401)		
33 42 11 00-0495		16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0494)		
33 42 11 00-0496	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	181.69	33.65
		For Bituminous Coated Pipe, Add	29.32	
		For Bituminous Coated And 25% Paved, Add	66.84	
		For Smooth-Flo, Add	106.13	
33 42 11 00-0497	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	217.59	38.13
		For Bituminous Coated Pipe, Add	35.93	
		For Bituminous Coated And 25% Paved, Add	81.91	
		For Smooth-Flo, Add	130.05	
33 42 11 00-0498	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	236.82	40.37
		For Bituminous Coated Pipe, Add	39.08	
		For Bituminous Coated And 25% Paved, Add	89.09	
		For Smooth-Flo, Add	141.45	
33 42 11 00-0499	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	293.38	49.34
		For Bituminous Coated Pipe, Add	49.19	
		For Bituminous Coated And 25% Paved, Add	112.15	
		For Smooth-Flo, Add	178.07	
33 42 11 00-0500	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	352.35	71.78
		For Bituminous Coated Pipe, Add	52.40	
		For Bituminous Coated And 25% Paved, Add	119.48	
		For Smooth-Flo, Add	189.70	
33 42 11 00-0501	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	379.41	78.51
		For Bituminous Coated Pipe, Add	55.60	
		For Bituminous Coated And 25% Paved, Add	126.77	
		For Smooth-Flo, Add	201.27	
33 42 11 00-0502	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	403.37	84.11
		For Bituminous Coated Pipe, Add	58.79	
		For Bituminous Coated And 25% Paved, Add	134.03	
		For Smooth-Flo, Add	212.80	
33 42 11 00-0503	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	427.28	89.72
		For Bituminous Coated Pipe, Add	61.96	
		For Bituminous Coated And 25% Paved, Add	141.26	
		For Smooth-Flo, Add	224.29	
33 42 11 00-0504	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	452.21	95.33
		For Bituminous Coated Pipe, Add	65.18	
		For Bituminous Coated And 25% Paved, Add	148.62	
		For Smooth-Flo, Add	235.96	
33 42 11 00-0505	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	480.52	100.94
		For Bituminous Coated Pipe, Add	68.48	
		For Bituminous Coated And 25% Paved, Add	156.13	
		For Smooth-Flo, Add	247.90	
33 42 11 00-0506		14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0494)		
33 42 11 00-0507	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	245.67	38.13
		For Bituminous Coated Pipe, Add	34.36	
		For Bituminous Coated And 25% Paved, Add	80.74	
		For Smooth-Flo, Add	146.18	
33 42 11 00-0508	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	268.03	40.37
		For Bituminous Coated Pipe, Add	37.50	
		For Bituminous Coated And 25% Paved, Add	88.13	
		For Smooth-Flo, Add	159.57	
33 42 11 00-0509	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	327.43	49.34
		For Bituminous Coated Pipe, Add	46.16	
		For Bituminous Coated And 25% Paved, Add	108.48	
		For Smooth-Flo, Add	196.42	
33 42 11 00-0510	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	389.13	71.78
		For Bituminous Coated Pipe, Add	49.28	
		For Bituminous Coated And 25% Paved, Add	115.80	
		For Smooth-Flo, Add	209.68	

			Utilities	33	33
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0511	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	419.53	78.51
			For Bituminous Coated Pipe, Add	52.50	
			For Bituminous Coated And 25% Paved, Add	123.38	
			For Smooth-Flo, Add	223.40	
33 42 11 00-0512	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	446.63	84.11
			For Bituminous Coated Pipe, Add	55.68	
			For Bituminous Coated And 25% Paved, Add	130.85	
			For Smooth-Flo, Add	236.92	
33 42 11 00-0513	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	472.08	89.72
			For Bituminous Coated Pipe, Add	58.53	
			For Bituminous Coated And 25% Paved, Add	137.54	
			For Smooth-Flo, Add	249.03	
33 42 11 00-0514	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	501.53	95.33
			For Bituminous Coated Pipe, Add	62.01	
			For Bituminous Coated And 25% Paved, Add	145.72	
			For Smooth-Flo, Add	263.85	
33 42 11 00-0515	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	532.48	100.94
			For Bituminous Coated Pipe, Add	65.18	
			For Bituminous Coated And 25% Paved, Add	153.16	
			For Smooth-Flo, Add	277.32	
33 42 11 00-0516	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	565.87	112.15
			For Bituminous Coated Pipe, Add	68.31	
			For Bituminous Coated And 25% Paved, Add	160.53	
			For Smooth-Flo, Add	290.67	
33 42 11 00-0517	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	599.20	123.36
			For Bituminous Coated Pipe, Add	71.53	
			For Bituminous Coated And 25% Paved, Add	168.09	
			For Smooth-Flo, Add	304.35	
33 42 11 00-0518 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel					
Piping (33 42 11 00-0494)					
33 42 11 00-0519	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	326.46	40.37
			For Bituminous Coated Pipe, Add	49.19	
			For Bituminous Coated And 25% Paved, Add	93.46	
			For Smooth-Flo, Add	168.71	
33 42 11 00-0520	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	391.79	49.34
			For Bituminous Coated Pipe, Add	59.03	
			For Bituminous Coated And 25% Paved, Add	112.16	
			For Smooth-Flo, Add	202.49	
33 42 11 00-0521	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	459.61	71.78
			For Bituminous Coated Pipe, Add	63.37	
			For Bituminous Coated And 25% Paved, Add	120.41	
			For Smooth-Flo, Add	217.37	
33 42 11 00-0522	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	495.44	78.51
			For Bituminous Coated Pipe, Add	67.69	
			For Bituminous Coated And 25% Paved, Add	128.60	
			For Smooth-Flo, Add	232.16	
33 42 11 00-0523	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	528.01	84.11
			For Bituminous Coated Pipe, Add	71.96	
			For Bituminous Coated And 25% Paved, Add	136.72	
			For Smooth-Flo, Add	246.81	
33 42 11 00-0524	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	560.88	89.72
			For Bituminous Coated Pipe, Add	76.29	
			For Bituminous Coated And 25% Paved, Add	144.94	
			For Smooth-Flo, Add	261.66	
33 42 11 00-0525	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	594.42	95.33
			For Bituminous Coated Pipe, Add	80.59	
			For Bituminous Coated And 25% Paved, Add	153.12	
			For Smooth-Flo, Add	276.42	
33 42 11 00-0526	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	630.99	100.94
			For Bituminous Coated Pipe, Add	84.88	
			For Bituminous Coated And 25% Paved, Add	161.27	
			For Smooth-Flo, Add	291.13	
33 42 11 00-0527	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	670.35	112.15
			For Bituminous Coated Pipe, Add	89.21	
			For Bituminous Coated And 25% Paved, Add	169.50	
			For Smooth-Flo, Add	305.98	
33 42 11 00-0528	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	709.11	123.36
			For Bituminous Coated Pipe, Add	93.51	
			For Bituminous Coated And 25% Paved, Add	177.67	
			For Smooth-Flo, Add	320.74	
33 42 11 00-0529	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	746.45	134.58
			For Bituminous Coated Pipe, Add	97.81	
			For Bituminous Coated And 25% Paved, Add	185.84	
			For Smooth-Flo, Add	335.49	
33 42 11 00-0530 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel					
Piping (33 42 11 00-0494)					
33 42 11 00-0531	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	527.11	71.78
			For Bituminous Coated Pipe, Add	76.87	
			For Bituminous Coated And 25% Paved, Add	146.06	
			For Smooth-Flo, Add	229.47	
33 42 11 00-0532	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	569.21	78.51
			For Bituminous Coated Pipe, Add	82.44	
			For Bituminous Coated And 25% Paved, Add	156.64	
			For Smooth-Flo, Add	246.08	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 11 00-0533	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	607.65		84.11
		For Bituminous Coated Pipe, Add	87.88		
		For Bituminous Coated And 25% Paved, Add	166.98		
		For Smooth-Flo, Add	262.33		
33 42 11 00-0534	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	645.85		89.72
		For Bituminous Coated Pipe, Add	93.28		
		For Bituminous Coated And 25% Paved, Add	177.23		
		For Smooth-Flo, Add	278.44		
33 42 11 00-0535	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	685.16		95.33
		For Bituminous Coated Pipe, Add	98.74		
		For Bituminous Coated And 25% Paved, Add	187.60		
		For Smooth-Flo, Add	294.73		
33 42 11 00-0536	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	727.31		100.94
		For Bituminous Coated Pipe, Add	104.14		
		For Bituminous Coated And 25% Paved, Add	197.87		
		For Smooth-Flo, Add	310.86		
33 42 11 00-0537	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	772.24		112.15
		For Bituminous Coated Pipe, Add	109.59		
		For Bituminous Coated And 25% Paved, Add	208.21		
		For Smooth-Flo, Add	327.11		
33 42 11 00-0538	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	816.67		123.36
		For Bituminous Coated Pipe, Add	115.02		
		For Bituminous Coated And 25% Paved, Add	218.54		
		For Smooth-Flo, Add	343.34		
33 42 11 00-0539	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	859.54		134.58
		For Bituminous Coated Pipe, Add	120.43		
		For Bituminous Coated And 25% Paved, Add	228.81		
		For Smooth-Flo, Add	359.48		
33 42 11 00-0540	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	913.29		145.80
		For Bituminous Coated Pipe, Add	127.57		
		For Bituminous Coated And 25% Paved, Add	242.38		
		For Smooth-Flo, Add	380.78		
33 42 11 00-0541	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	963.50		157.01
		For Bituminous Coated Pipe, Add	133.45		
		For Bituminous Coated And 25% Paved, Add	253.56		
		For Smooth-Flo, Add	398.35		
33 42 11 00-0542	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	1,018.25		168.23
		For Bituminous Coated Pipe, Add	139.56		
		For Bituminous Coated And 25% Paved, Add	265.17		
		For Smooth-Flo, Add	416.59		
33 42 11 00-0543		Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0401)			
33 42 11 00-0544		16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0543)			
33 42 11 00-0545	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	63.23		12.53
		For Bituminous Coated Pipe, Add	9.04		
33 42 11 00-0546	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	72.57		13.57
		For Bituminous Coated Pipe, Add	10.76		
33 42 11 00-0547	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	81.10		14.61
		For Bituminous Coated Pipe, Add	12.22		
33 42 11 00-0548	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	106.15		18.80
		For Bituminous Coated Pipe, Add	15.75		
33 42 11 00-0549	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	137.06		24.68
		For Bituminous Coated Pipe, Add	19.74		
33 42 11 00-0550	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	156.99		29.16
		For Bituminous Coated Pipe, Add	23.28		
33 42 11 00-0551	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	176.86		33.65
		For Bituminous Coated Pipe, Add	26.20		
33 42 11 00-0552	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	211.62		38.13
		For Bituminous Coated Pipe, Add	32.09		
33 42 11 00-0553	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	230.89		40.37
		For Bituminous Coated Pipe, Add	35.04		
33 42 11 00-0554		14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0543)			
33 42 11 00-0555	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	69.70		12.53
		For Bituminous Coated Pipe, Add	10.45		
33 42 11 00-0556	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	80.14		13.57
		For Bituminous Coated Pipe, Add	12.42		
33 42 11 00-0557	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	89.72		14.61
		For Bituminous Coated Pipe, Add	14.11		
33 42 11 00-0558	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	116.85		18.80
		For Bituminous Coated Pipe, Add	18.09		
33 42 11 00-0559	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	149.95		24.68
		For Bituminous Coated Pipe, Add	22.55		
33 42 11 00-0560	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	172.07		29.16
		For Bituminous Coated Pipe, Add	26.56		
33 42 11 00-0561	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	194.09		33.65
		For Bituminous Coated Pipe, Add	29.95		
33 42 11 00-0562	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	230.98		38.13
		For Bituminous Coated Pipe, Add	36.29		
33 42 11 00-0563	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	252.45		40.37
		For Bituminous Coated Pipe, Add	39.72		
33 42 11 00-0564	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	310.21		49.34
		For Bituminous Coated Pipe, Add	49.34		
33 42 11 00-0565	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	370.96		71.78
		For Bituminous Coated Pipe, Add	52.72		

		Utilities 33		33
		Stormwater Utilities 33 40		
		Stormwater Conveyance 33 42		
MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
33 42 11 00-0566 LF 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		400.12 56.16		78.51
33 42 11 00-0567 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0543)				
33 42 11 00-0568 LF 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		138.55 18.90		18.80
33 42 11 00-0569 LF 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		175.88 23.35		24.68
33 42 11 00-0570 LF 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		202.44 27.47		29.16
33 42 11 00-0571 LF 48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		228.73 31.05		33.65
33 42 11 00-0572 LF 54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		270.01 37.07		38.13
33 42 11 00-0573 LF 60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		295.85 40.70		40.37
33 42 11 00-0574 LF 66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		357.84 49.37		49.34
33 42 11 00-0575 LF 72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		422.88 52.95		71.78
33 42 11 00-0576 LF 78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		456.31 56.57		78.51
33 42 11 00-0577 LF 84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		486.60 60.17		84.11
33 42 11 00-0578 LF 90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		516.83 63.76		89.72
33 42 11 00-0579 LF 96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		547.88 67.36		95.33
33 42 11 00-0580 LF 102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		579.92 70.56		100.94
33 42 11 00-0581 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0401)				
33 42 11 00-0582 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0581)				
33 42 11 00-0583 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		21.95 2.31		6.27
33 42 11 00-0584 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		23.88 2.78		6.27
33 42 11 00-0585 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		27.66 3.06		7.83
33 42 11 00-0586 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		30.11 3.66		7.83
33 42 11 00-0587 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		34.94 3.84		9.40
33 42 11 00-0588 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		38.05 4.60		9.40
33 42 11 00-0589 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0581)				
33 42 11 00-0590 LF 6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		22.22 2.28		6.27
33 42 11 00-0591 LF 6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		24.09 2.72		6.27
33 42 11 00-0592 LF 8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		27.93 2.99		7.83
33 42 11 00-0593 LF 8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		30.53 3.60		7.83
33 42 11 00-0594 LF 10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		35.41 3.79		9.40
33 42 11 00-0595 LF 10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		38.59 4.54		9.40
33 42 11 00-0596 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 42 11 00-0581)				
33 42 11 00-0597 EA 6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		14.26 3.21		
33 42 11 00-0598 EA 8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		18.88 4.25		
33 42 11 00-0599 EA 10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		23.15 5.21		
33 42 11 00-0600 EA 6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		51.43 7.10		
33 42 11 00-0601 EA 6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		10.47 1.62		
33 42 11 00-0602 EA 8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... For Bituminous Coated Pipe, Add		13.44 2.43		
33 42 11 00-0603 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0401)				
33 42 11 00-0604 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0603)				
33 42 11 00-0605 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		70.89		10.96
33 42 11 00-0606 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		84.20		11.49
33 42 11 00-0607 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....		97.92		12.53

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-0608	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	114.21	13.57
33 42 11 00-0609	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	127.55	14.61
33 42 11 00-0610	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	166.76	18.80
33 42 11 00-0611	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	214.17	24.68
33 42 11 00-0612	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	248.54	29.16
33 42 11 00-0613	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	278.89	33.65

33 42 11 00-0614 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42

11 00-0603)

33 42 11 00-0615	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	81.31	10.96
33 42 11 00-0616	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	97.10	11.49
33 42 11 00-0617	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	113.37	12.53
33 42 11 00-0618	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	132.10	13.57
33 42 11 00-0619	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	148.34	14.61
33 42 11 00-0620	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	192.28	18.80
33 42 11 00-0621	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	244.97	24.68
33 42 11 00-0622	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	283.88	29.16
33 42 11 00-0623	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	319.23	33.65
33 42 11 00-0624	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	387.30	38.13

33 42 11 00-0625 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42

11 00-0603)

33 42 11 00-0626	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	145.58	12.53
33 42 11 00-0627	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	169.71	13.57
33 42 11 00-0628	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	191.10	14.61
33 42 11 00-0629	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	245.70	18.80
33 42 11 00-0630	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	295.98	24.68
33 42 11 00-0631	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	358.61	29.16
33 42 11 00-0632	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	404.51	33.65
33 42 11 00-0633	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	484.60	38.13
33 42 11 00-0634	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	529.58	40.37
33 42 11 00-0635	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	648.96	49.34

33 42 11 00-0636 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42

11 00-0603)

33 42 11 00-0637	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	367.63	24.68
33 42 11 00-0638	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	426.68	29.16
33 42 11 00-0639	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	481.83	33.65
33 42 11 00-0640	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	571.22	38.13
33 42 11 00-0641	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	626.01	40.37
33 42 11 00-0642	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	754.87	49.34
33 42 11 00-0643	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	848.47	71.78

33 42 11 00-0644 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0401)
33 42 11 00-0645 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0644)

33 42 11 00-0646	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	273.31	24.68
33 42 11 00-0647	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	316.72	29.16
33 42 11 00-0648	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	355.34	33.65
33 42 11 00-0649	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	430.78	38.13
33 42 11 00-0650	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	469.03	40.37
33 42 11 00-0651	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	598.27	49.34
33 42 11 00-0652	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	677.05	71.78
33 42 11 00-0653	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	723.96	78.51
33 42 11 00-0654	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	767.92	84.11
33 42 11 00-0655	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	811.94	89.72
33 42 11 00-0656	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	856.60	95.33
33 42 11 00-0657	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	904.65	100.94

33 42 11 00-0658 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0644)

33 42 11 00-0659	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	486.46	38.13
33 42 11 00-0660	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	530.59	40.37
33 42 11 00-0661	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	666.07	49.34
33 42 11 00-0662	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	750.79	71.78
33 42 11 00-0663	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	803.72	78.51
33 42 11 00-0664	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	853.94	84.11
33 42 11 00-0665	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	903.80	89.72
33 42 11 00-0666	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	954.44	95.33
33 42 11 00-0667	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,008.56	100.94
33 42 11 00-0668	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,065.11	112.15
33 42 11 00-0669	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,120.48	123.36

33 42 11 00-0670 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0644)

33 42 11 00-0671	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	670.63	40.37
33 42 11 00-0672	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	821.86	49.34
33 42 11 00-0673	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	920.08	71.78
33 42 11 00-0674	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	986.59	78.51
33 42 11 00-0675	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,050.31	84.11
33 42 11 00-0676	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,113.77	89.72
33 42 11 00-0677	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,178.10	95.33

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0678	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,245.70	100.94
33 42 11 00-0679	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,315.64	112.15
33 42 11 00-0680	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,384.79	123.36
33 42 11 00-0681	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,453.14	134.58
33 42 11 00-0682 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0644)				
33 42 11 00-0683	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,074.35	71.78
33 42 11 00-0684	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,153.42	78.51
33 42 11 00-0685	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,229.82	84.11
33 42 11 00-0686	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,305.88	89.72
33 42 11 00-0687	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,382.92	95.33
33 42 11 00-0688	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,463.17	100.94
33 42 11 00-0689	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,545.80	112.15
33 42 11 00-0690	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,627.53	123.36
33 42 11 00-0691	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,708.53	134.58
33 42 11 00-0692	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,791.28	145.80
33 42 11 00-0693	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,877.21	157.01
33 42 11 00-0694	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,966.60	168.23
33 42 11 00-0695 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0401)				
33 42 11 00-0696 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0695)				
33 42 11 00-0697	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	343.33	33.65
33 42 11 00-0698	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	417.56	38.13
33 42 11 00-0699	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	453.89	40.37
33 42 11 00-0700	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	570.14	49.34
33 42 11 00-0701	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	646.61	71.78
33 42 11 00-0702	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	691.12	78.51
33 42 11 00-0703	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	732.38	84.11
33 42 11 00-0704	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	773.52	89.72
33 42 11 00-0705	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	815.92	95.33
33 42 11 00-0706	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	862.29	100.94
33 42 11 00-0707 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0695)				
33 42 11 00-0708	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	483.71	38.13
33 42 11 00-0709	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	527.56	40.37
33 42 11 00-0710	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	650.48	49.34
33 42 11 00-0711	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	733.43	71.78
33 42 11 00-0712	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	785.78	78.51
33 42 11 00-0713	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	834.40	84.11
33 42 11 00-0714	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	879.25	89.72
33 42 11 00-0715	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	932.38	95.33
33 42 11 00-0716	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	984.90	100.94
33 42 11 00-0717	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,039.57	112.15
33 42 11 00-0718	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,094.77	123.36
33 42 11 00-0719 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0695)				
33 42 11 00-0720	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	675.22	40.37
33 42 11 00-0721	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	813.84	49.34
33 42 11 00-0722	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	912.22	71.78
33 42 11 00-0723	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	978.14	78.51
33 42 11 00-0724	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,040.61	84.11
33 42 11 00-0725	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,103.89	89.72
33 42 11 00-0726	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,167.57	95.33
33 42 11 00-0727	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,234.14	100.94
33 42 11 00-0728	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,303.88	112.15
33 42 11 00-0729	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,372.79	123.36
33 42 11 00-0730	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,440.23	134.58
33 42 11 00-0731 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0695)				
33 42 11 00-0732	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,074.28	71.78
33 42 11 00-0733	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,155.28	78.51
33 42 11 00-0734	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,231.95	84.11
33 42 11 00-0735	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,307.97	89.72
33 42 11 00-0736	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,385.38	95.33
33 42 11 00-0737	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,465.50	100.94
33 42 11 00-0738	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,548.51	112.15
33 42 11 00-0739	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,631.00	123.36
33 42 11 00-0740	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,711.82	134.58
33 42 11 00-0741	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,815.54	145.80
33 42 11 00-0742	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,907.02	157.01
33 42 11 00-0743	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	2,004.57	168.23
33 42 11 00-0744 Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0400)				

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-0745	2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0744)		
33 42 11 00-0746	16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0745)		
33 42 11 00-0747	LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	49.97	11.49
	For Bituminous Coated Pipe, Add	6.57	
	For Bituminous Coated And 25% Paved, Add	15.88	
	For Smooth-Flo, Add	26.20	
33 42 11 00-0748	LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	55.96	12.53
	For Bituminous Coated Pipe, Add	7.85	
	For Bituminous Coated And 25% Paved, Add	18.97	
	For Smooth-Flo, Add	31.29	
33 42 11 00-0749	LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	64.31	13.57
	For Bituminous Coated Pipe, Add	9.44	
	For Bituminous Coated And 25% Paved, Add	22.83	
	For Smooth-Flo, Add	37.66	
33 42 11 00-0750	LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	72.34	14.61
	For Bituminous Coated Pipe, Add	10.88	
	For Bituminous Coated And 25% Paved, Add	26.31	
	For Smooth-Flo, Add	43.39	
33 42 11 00-0751	LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	94.05	18.80
	For Bituminous Coated Pipe, Add	13.82	
	For Bituminous Coated And 25% Paved, Add	33.41	
	For Smooth-Flo, Add	55.11	
33 42 11 00-0752	LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	123.92	24.68
	For Bituminous Coated Pipe, Add	17.82	
	For Bituminous Coated And 25% Paved, Add	43.09	
	For Smooth-Flo, Add	71.08	
33 42 11 00-0753	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0745)		
33 42 11 00-0754	LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	55.30	11.49
	For Bituminous Coated Pipe, Add	6.82	
	For Bituminous Coated And 25% Paved, Add	15.95	
	For Smooth-Flo, Add	26.16	
33 42 11 00-0755	LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	62.48	12.53
	For Bituminous Coated Pipe, Add	8.18	
	For Bituminous Coated And 25% Paved, Add	19.13	
	For Smooth-Flo, Add	31.37	
33 42 11 00-0756	LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	71.58	13.57
	For Bituminous Coated Pipe, Add	9.72	
	For Bituminous Coated And 25% Paved, Add	22.74	
	For Smooth-Flo, Add	37.29	
33 42 11 00-0757	LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	80.76	14.61
	For Bituminous Coated Pipe, Add	11.21	
	For Bituminous Coated And 25% Paved, Add	26.22	
	For Smooth-Flo, Add	43.00	
33 42 11 00-0758	LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	104.55	18.80
	For Bituminous Coated Pipe, Add	14.19	
	For Bituminous Coated And 25% Paved, Add	33.20	
	For Smooth-Flo, Add	54.45	
33 42 11 00-0759	LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	136.41	24.68
	For Bituminous Coated Pipe, Add	18.08	
	For Bituminous Coated And 25% Paved, Add	42.29	
	For Smooth-Flo, Add	69.36	
33 42 11 00-0760	LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	157.24	29.16
	For Bituminous Coated Pipe, Add	21.53	
	For Bituminous Coated And 25% Paved, Add	50.38	
	For Smooth-Flo, Add	82.62	
33 42 11 00-0761	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0745)		
33 42 11 00-0762	LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	81.75	13.46
	For Bituminous Coated Pipe, Add	8.84	
	For Bituminous Coated And 25% Paved, Add	19.68	
	For Smooth-Flo, Add	30.26	
33 42 11 00-0763	LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	93.68	14.58
	For Bituminous Coated Pipe, Add	10.49	
	For Bituminous Coated And 25% Paved, Add	23.34	
	For Smooth-Flo, Add	35.89	
33 42 11 00-0764	LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	105.43	15.70
	For Bituminous Coated Pipe, Add	12.03	
	For Bituminous Coated And 25% Paved, Add	26.77	
	For Smooth-Flo, Add	41.17	
33 42 11 00-0765	LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	135.88	20.19
	For Bituminous Coated Pipe, Add	15.15	
	For Bituminous Coated And 25% Paved, Add	33.71	
	For Smooth-Flo, Add	51.84	
33 42 11 00-0766	LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	161.90	24.68
	For Bituminous Coated Pipe, Add	18.95	
	For Bituminous Coated And 25% Paved, Add	42.18	
	For Smooth-Flo, Add	64.86	
33 42 11 00-0767	LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	186.66	29.16
	For Bituminous Coated Pipe, Add	22.42	
	For Bituminous Coated And 25% Paved, Add	49.88	
	For Smooth-Flo, Add	76.71	

			Utilities	33	33
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0768	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	218.08 26.58 59.16 90.97	33.65
33 42 11 00-0769	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	243.58 29.36 65.33 100.46	38.13
33 42 11 00-0770			10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0745)		
33 42 11 00-0771	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	185.89 22.84 48.08 60.63	24.68
33 42 11 00-0772	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	214.63 26.94 56.71 71.52	29.16
33 42 11 00-0773	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	249.79 31.70 66.73 84.16	33.65
33 42 11 00-0774	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	279.42 35.15 73.99 93.31	38.13
33 42 11 00-0775	LF		71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	306.15 38.58 81.23 102.44	40.37
33 42 11 00-0776			3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0744)		
33 42 11 00-0777			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0776)		
33 42 11 00-0778	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	243.23 33.87 102.96 115.15	38.13
33 42 11 00-0779	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	265.84 37.06 112.67 126.02	40.37
33 42 11 00-0780	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	329.37 46.55 141.51 158.27	49.34
33 42 11 00-0781	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	392.27 49.91 151.71 169.68	71.78
33 42 11 00-0782	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	424.16 53.43 162.43 181.66	78.51
33 42 11 00-0783	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	453.10 56.97 173.20 193.71	84.11
33 42 11 00-0784	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	481.94 60.50 183.91 205.69	89.72
33 42 11 00-0785	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	511.54 64.01 194.60 217.64	95.33
33 42 11 00-0786			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0776)		
33 42 11 00-0787	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	320.99 48.09 126.01 149.09	40.37
33 42 11 00-0788	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	390.55 58.79 154.02 182.24	49.34
33 42 11 00-0789	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	458.87 63.23 165.65 196.00	71.78
33 42 11 00-0790	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	496.13 67.82 177.70 210.25	78.51

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 11 00-0791	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	530.45 72.44 189.80 224.58		84.11
33 42 11 00-0792	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	564.72 77.05 201.88 238.87		89.72
33 42 11 00-0793	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	599.69 81.64 213.90 253.09		95.33
33 42 11 00-0794	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	638.01 86.28 226.06 267.47		100.94
33 42 11 00-0795	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	678.76 90.89 238.13 281.76		112.15
33 42 11 00-0796	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	721.35 95.96 251.41 297.47		123.36
33 42 11 00-0797 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0776)					
33 42 11 00-0798	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	520.74 75.60 179.93 195.43		71.78
33 42 11 00-0799	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	563.13 81.22 193.31 209.96		78.51
33 42 11 00-0800	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	602.53 86.86 206.73 224.53		84.11
33 42 11 00-0801	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	641.77 92.46 220.06 239.02		89.72
33 42 11 00-0802	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	681.87 98.08 233.43 253.53		95.33
33 42 11 00-0803	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	725.22 103.72 246.86 268.13		100.94
33 42 11 00-0804	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	771.05 109.35 260.25 282.66		112.15
33 42 11 00-0805	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	818.31 115.35 274.53 298.18		123.36
33 42 11 00-0806	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	870.19 122.56 291.69 316.81		134.58
33 42 11 00-0807 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0744)					
33 42 11 00-0808 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0807)					
33 42 11 00-0809	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	464.94 64.44 157.23 200.09		71.78
33 42 11 00-0810	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	501.61 68.92 168.16 214.00		78.51
33 42 11 00-0811	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	534.98 73.35 178.97 227.75		84.11
33 42 11 00-0812	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	568.35 77.78 189.78 241.51		89.72
33 42 11 00-0813	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch For Bituminous Coated Pipe, Add For Bituminous Coated And 25% Paved, Add For Smooth-Flo, Add	602.68 82.24 200.67 255.36		95.33

		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0814	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	640.50 86.78 211.74 269.45	100.94
33 42 11 00-0815	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	680.76 91.29 222.75 283.46	112.15
33 42 11 00-0816	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	726.28 96.94 236.54 301.01	123.36
33 42 11 00-0817 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0807)				
33 42 11 00-0818	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	533.43 78.14 176.59 191.83	71.78
33 42 11 00-0819	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	575.58 83.71 189.19 205.52	78.51
33 42 11 00-0820	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	614.52 89.26 201.72 219.13	84.11
33 42 11 00-0821	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	653.62 94.83 214.32 232.82	89.72
33 42 11 00-0822	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	692.58 100.22 226.50 246.04	95.33
33 42 11 00-0823	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	736.71 106.02 239.61 260.28	100.94
33 42 11 00-0824	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	782.65 111.67 252.37 274.14	112.15
33 42 11 00-0825	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	833.79 118.45 267.69 290.78	123.36
33 42 11 00-0826	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	881.64 124.85 282.16 306.50	134.58
33 42 11 00-0827 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0744)				
33 42 11 00-0828 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0827)				
33 42 11 00-0829	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	84.29	11.49
33 42 11 00-0830	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.98	12.53
33 42 11 00-0831	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	113.80	13.57
33 42 11 00-0832	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	129.46	14.61
33 42 11 00-0833	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	166.81	18.80
33 42 11 00-0834	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	218.43	24.68
33 42 11 00-0835 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0827)				
33 42 11 00-0836	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.54	11.49
33 42 11 00-0837	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	111.94	12.53
33 42 11 00-0838	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	130.51	13.57
33 42 11 00-0839	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	148.88	14.61
33 42 11 00-0840	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	190.95	18.80
33 42 11 00-0841	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	247.15	24.68
33 42 11 00-0842	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	289.44	29.16
33 42 11 00-0843 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0827)				
33 42 11 00-0844	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	148.63	12.53
33 42 11 00-0845	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	173.97	13.57
33 42 11 00-0846	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	198.09	14.61
33 42 11 00-0847	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	252.37	18.80
33 42 11 00-0848	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	321.33	24.68
33 42 11 00-0849	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	375.83	29.16
33 42 11 00-0850	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	443.95	33.65
33 42 11 00-0851	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	492.33	38.13

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-0852	10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
(33 42 11 00-0827)			
33 42 11 00-0853	LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	379.53	24.68
33 42 11 00-0854	LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	443.72	29.16
33 42 11 00-0855	LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	520.92	33.65
33 42 11 00-0856	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	579.35	38.13
33 42 11 00-0857	LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	634.77	40.37
33 42 11 00-0858	3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
(33 42 11 00-0744)			
33 42 11 00-0859	14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
(33 42 11 00-0858)			
33 42 11 00-0860	LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	497.39	38.13
33 42 11 00-0861	LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	543.44	40.37
33 42 11 00-0862	LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	680.99	49.34
33 42 11 00-0863	LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	768.71	71.78
33 42 11 00-0864	LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	826.72	78.51
33 42 11 00-0865	LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	881.87	84.11
33 42 11 00-0866	LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	936.77	89.72
33 42 11 00-0867	LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	992.59	95.33
33 42 11 00-0868	12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
(33 42 11 00-0858)			
33 42 11 00-0869	LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	683.75	40.37
33 42 11 00-0870	LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	837.18	49.34
33 42 11 00-0871	LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	938.70	71.78
33 42 11 00-0872	LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,010.26	78.51
33 42 11 00-0873	LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,079.03	84.11
33 42 11 00-0874	LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,147.70	89.72
33 42 11 00-0875	LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,217.00	95.33
33 42 11 00-0876	LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,289.87	100.94
33 42 11 00-0877	LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,365.03	112.15
33 42 11 00-0878	LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,445.47	123.36
33 42 11 00-0879	10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch		
(33 42 11 00-0858)			
33 42 11 00-0880	LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,092.91	71.78
33 42 11 00-0881	LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,177.23	78.51
33 42 11 00-0882	LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,258.74	84.11
33 42 11 00-0883	LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,339.80	89.72
33 42 11 00-0884	LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,421.80	95.33
33 42 11 00-0885	LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,507.28	100.94
33 42 11 00-0886	LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,595.14	112.15
33 42 11 00-0887	LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,687.16	123.36
33 42 11 00-0888	LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,792.80	134.58
33 42 11 00-0889	125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch		
(33 42 11 00-0744)			
33 42 11 00-0890	12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch		
(33 42 11 00-0889)			
33 42 11 00-0891	LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	924.83	71.78
33 42 11 00-0892	LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	992.93	78.51
33 42 11 00-0893	LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,057.37	84.11
33 42 11 00-0894	LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,121.72	89.72
33 42 11 00-0895	LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,187.28	95.33
33 42 11 00-0896	LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,256.92	100.94
33 42 11 00-0897	LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,328.75	112.15
33 42 11 00-0898	LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,413.87	123.36
33 42 11 00-0899	10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch		
(33 42 11 00-0889)			
33 42 11 00-0900	LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,089.31	71.78
33 42 11 00-0901	LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,170.46	78.51
33 42 11 00-0902	LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,248.25	84.11
33 42 11 00-0903	LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,326.40	89.72
33 42 11 00-0904	LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,403.19	95.33
33 42 11 00-0905	LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,487.90	100.94
33 42 11 00-0906	LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,573.41	112.15
33 42 11 00-0907	LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,672.22	123.36
33 42 11 00-0908	LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,764.66	134.58
33 42 11 00-0909	Aluminized Type 2 Corrugated Steel Piping		
(33 42 11 00-0400)			
33 42 11 00-0910	2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 42 11 00-0909)			
33 42 11 00-0911	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
(33 42 11 00-0910)			
33 42 11 00-0912	LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	46.97	10.96
For 1/2 Bituminous Coated And 25% Paved, Add		9.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0913	LF	15"	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	54.05 12.31	11.49
33 42 11 00-0914	LF	18"	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	61.38 14.92	12.53
33 42 11 00-0915	LF	21"	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	70.53 17.84	13.57
33 42 11 00-0916	LF	24"	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	78.37 20.09	14.61
33 42 11 00-0917	LF	30"	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	103.06 26.06	18.80
33 42 11 00-0918	LF	36"	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	133.72 32.88	24.68
33 42 11 00-0919	LF	42"	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	153.36 38.89	29.16
33 42 11 00-0920	LF	48"	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	172.28 43.58	33.65

33 42 11 00-0921 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0910)

33 42 11 00-0922	LF	12"	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	52.25 9.28	10.96
33 42 11 00-0923	LF	15"	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	60.57 11.65	11.49
33 42 11 00-0924	LF	18"	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	69.15 14.08	12.53
33 42 11 00-0925	LF	21"	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	79.54 16.75	13.57
33 42 11 00-0926	LF	24"	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	88.82 18.96	14.61
33 42 11 00-0927	LF	30"	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	115.85 24.35	18.80
33 42 11 00-0928	LF	36"	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	149.20 30.51	24.68
33 42 11 00-0929	LF	42"	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	171.18 35.94	29.16
33 42 11 00-0930	LF	48"	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	192.59 40.37	33.65
33 42 11 00-0931	LF	54"	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	231.48 49.64	38.13

33 42 11 00-0932 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0910)

33 42 11 00-0933	LF	18"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	85.48 13.12	12.53
33 42 11 00-0934	LF	21"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	98.60 15.53	13.57
33 42 11 00-0935	LF	24"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	110.47 17.59	14.61
33 42 11 00-0936	LF	30"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	142.88 22.43	18.80
33 42 11 00-0937	LF	36"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	181.81 27.84	24.68
33 42 11 00-0938	LF	42"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	208.96 32.65	29.16
33 42 11 00-0939	LF	48"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	235.70 36.83	33.65
33 42 11 00-0940	LF	54"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	280.71 44.47	38.13
33 42 11 00-0941	LF	60"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	306.65 48.62	40.37
33 42 11 00-0942	LF	66"	12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	374.72 59.79	49.34

33 42 11 00-0943 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0910)

33 42 11 00-0944	LF	36"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	211.13 30.49	24.68
33 42 11 00-0945	LF	42"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	243.25 35.74	29.16
33 42 11 00-0946	LF	48"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	274.62 40.36	33.65
33 42 11 00-0947	LF	54"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	324.36 48.09	38.13
33 42 11 00-0948	LF	60"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	355.23 52.74	40.37
33 42 11 00-0949	LF	66"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	428.08 63.64	49.34
33 42 11 00-0950	LF	72"	10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	498.09 68.23	71.78

33 42 11 00-0951 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0909)

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 42 11 00-0952 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping

(33 42 11 00-0951)			
33 42 11 00-0953	LF 36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	156.77	24.68
	For 1/2 Bituminous Coated And 25% Paved, Add	36.55	
33 42 11 00-0954	LF 42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	179.74	29.16
	For 1/2 Bituminous Coated And 25% Paved, Add	42.93	
33 42 11 00-0955	LF 48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	201.95	33.65
	For 1/2 Bituminous Coated And 25% Paved, Add	48.14	
33 42 11 00-0956	LF 54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	241.88	38.13
	For 1/2 Bituminous Coated And 25% Paved, Add	58.80	
33 42 11 00-0957	LF 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	263.55	40.37
	For 1/2 Bituminous Coated And 25% Paved, Add	64.06	
33 42 11 00-0958	LF 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	331.71	49.34
	For 1/2 Bituminous Coated And 25% Paved, Add	82.28	
33 42 11 00-0959	LF 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	393.31	71.78
	For 1/2 Bituminous Coated And 25% Paved, Add	87.70	
33 42 11 00-0960	LF 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	423.11	78.51
	For 1/2 Bituminous Coated And 25% Paved, Add	93.14	
33 42 11 00-0961	LF 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	449.91	84.11
	For 1/2 Bituminous Coated And 25% Paved, Add	98.59	
33 42 11 00-0962	LF 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	476.71	89.72
	For 1/2 Bituminous Coated And 25% Paved, Add	104.04	
33 42 11 00-0963	LF 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	504.27	95.33
	For 1/2 Bituminous Coated And 25% Paved, Add	109.48	
33 42 11 00-0964	LF 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	535.07	100.94
	For 1/2 Bituminous Coated And 25% Paved, Add	114.96	

33 42 11 00-0965 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping

(33 42 11 00-0951)			
33 42 11 00-0966	LF 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	268.36	38.13
	For 1/2 Bituminous Coated And 25% Paved, Add	50.95	
33 42 11 00-0967	LF 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	292.81	40.37
	For 1/2 Bituminous Coated And 25% Paved, Add	55.62	
33 42 11 00-0968	LF 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	363.92	49.34
	For 1/2 Bituminous Coated And 25% Paved, Add	70.03	
33 42 11 00-0969	LF 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	428.40	71.78
	For 1/2 Bituminous Coated And 25% Paved, Add	74.84	
33 42 11 00-0970	LF 78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	461.04	78.51
	For 1/2 Bituminous Coated And 25% Paved, Add	79.66	
33 42 11 00-0971	LF 84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	490.83	84.11
	For 1/2 Bituminous Coated And 25% Paved, Add	84.52	
33 42 11 00-0972	LF 90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	520.42	89.72
	For 1/2 Bituminous Coated And 25% Paved, Add	89.33	
33 42 11 00-0973	LF 96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	550.81	95.33
	For 1/2 Bituminous Coated And 25% Paved, Add	94.14	
33 42 11 00-0974	LF 102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	584.45	100.94
	For 1/2 Bituminous Coated And 25% Paved, Add	99.00	
33 42 11 00-0975	LF 108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	620.63	112.15
	For 1/2 Bituminous Coated And 25% Paved, Add	103.84	
33 42 11 00-0976	LF 114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	656.04	123.36
	For 1/2 Bituminous Coated And 25% Paved, Add	108.59	

33 42 11 00-0977 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping

(33 42 11 00-0951)			
33 42 11 00-0978	LF 60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	357.87	40.37
	For 1/2 Bituminous Coated And 25% Paved, Add	74.61	
33 42 11 00-0979	LF 66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	435.94	49.34
	For 1/2 Bituminous Coated And 25% Paved, Add	91.28	
33 42 11 00-0980	LF 72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	506.70	71.78
	For 1/2 Bituminous Coated And 25% Paved, Add	97.91	
33 42 11 00-0981	LF 78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	545.71	78.51
	For 1/2 Bituminous Coated And 25% Paved, Add	104.56	
33 42 11 00-0982	LF 84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	581.77	84.11
	For 1/2 Bituminous Coated And 25% Paved, Add	111.24	
33 42 11 00-0983	LF 90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	617.73	89.72
	For 1/2 Bituminous Coated And 25% Paved, Add	117.90	
33 42 11 00-0984	LF 96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	654.45	95.33
	For 1/2 Bituminous Coated And 25% Paved, Add	124.54	
33 42 11 00-0985	LF 102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	694.40	100.94
	For 1/2 Bituminous Coated And 25% Paved, Add	131.22	
33 42 11 00-0986	LF 108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	736.85	112.15
	For 1/2 Bituminous Coated And 25% Paved, Add	137.87	
33 42 11 00-0987	LF 114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	778.64	123.36
	For 1/2 Bituminous Coated And 25% Paved, Add	144.47	
33 42 11 00-0988	LF 120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	819.32	134.58
	For 1/2 Bituminous Coated And 25% Paved, Add	151.16	

33 42 11 00-0989 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping

(33 42 11 00-0951)			
33 42 11 00-0990	LF 72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	579.72	71.78
	For 1/2 Bituminous Coated And 25% Paved, Add	120.17	
33 42 11 00-0991	LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	624.61	78.51
	For 1/2 Bituminous Coated And 25% Paved, Add	128.59	
33 42 11 00-0992	LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	666.69	84.11
	For 1/2 Bituminous Coated And 25% Paved, Add	137.08	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0993	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	708.57	89.72
		For 1/2 Bituminous Coated And 25% Paved, Add	145.51	
33 42 11 00-0994	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	751.36	95.33
		For 1/2 Bituminous Coated And 25% Paved, Add	153.97	
33 42 11 00-0995	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	797.34	100.94
		For 1/2 Bituminous Coated And 25% Paved, Add	162.45	
33 42 11 00-0996	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	845.71	112.15
		For 1/2 Bituminous Coated And 25% Paved, Add	170.89	
33 42 11 00-0997	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	893.48	123.36
		For 1/2 Bituminous Coated And 25% Paved, Add	179.28	
33 42 11 00-0998	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	940.18	134.58
		For 1/2 Bituminous Coated And 25% Paved, Add	187.76	
33 42 11 00-0999	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	988.85	145.80
		For 1/2 Bituminous Coated And 25% Paved, Add	196.18	
33 42 11 00-1000	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,040.45	157.01
		For 1/2 Bituminous Coated And 25% Paved, Add	204.66	
33 42 11 00-1001	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,095.50	168.23
		For 1/2 Bituminous Coated And 25% Paved, Add	213.14	
33 42 11 00-1002		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0909)		
33 42 11 00-1003		16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1002)		
33 42 11 00-1004	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	202.80	33.65
		For 1/2 Bituminous Coated And 25% Paved, Add	59.64	
33 42 11 00-1005	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.43	38.13
		For 1/2 Bituminous Coated And 25% Paved, Add	73.07	
33 42 11 00-1006	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	264.89	40.37
		For 1/2 Bituminous Coated And 25% Paved, Add	79.46	
33 42 11 00-1007	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	328.73	49.34
		For 1/2 Bituminous Coated And 25% Paved, Add	100.04	
33 42 11 00-1008	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	389.98	71.78
		For 1/2 Bituminous Coated And 25% Paved, Add	106.56	
33 42 11 00-1009	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	419.38	78.51
		For 1/2 Bituminous Coated And 25% Paved, Add	113.08	
33 42 11 00-1010	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	445.63	84.11
		For 1/2 Bituminous Coated And 25% Paved, Add	119.56	
33 42 11 00-1011	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	471.78	89.72
		For 1/2 Bituminous Coated And 25% Paved, Add	125.99	
33 42 11 00-1012	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	499.05	95.33
		For 1/2 Bituminous Coated And 25% Paved, Add	132.56	
33 42 11 00-1013	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	529.75	100.94
		For 1/2 Bituminous Coated And 25% Paved, Add	139.28	
33 42 11 00-1014		14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1002)		
33 42 11 00-1015	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	276.53	38.13
		For 1/2 Bituminous Coated And 25% Paved, Add	68.90	
33 42 11 00-1016	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	301.77	40.37
		For 1/2 Bituminous Coated And 25% Paved, Add	75.23	
33 42 11 00-1017	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	368.89	49.34
		For 1/2 Bituminous Coated And 25% Paved, Add	92.57	
33 42 11 00-1018	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	433.43	71.78
		For 1/2 Bituminous Coated And 25% Paved, Add	98.83	
33 42 11 00-1019	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	466.72	78.51
		For 1/2 Bituminous Coated And 25% Paved, Add	105.30	
33 42 11 00-1020	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	496.65	84.11
		For 1/2 Bituminous Coated And 25% Paved, Add	111.66	
33 42 11 00-1021	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	524.70	89.72
		For 1/2 Bituminous Coated And 25% Paved, Add	117.39	
33 42 11 00-1022	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	557.23	95.33
		For 1/2 Bituminous Coated And 25% Paved, Add	124.36	
33 42 11 00-1023	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	591.07	100.94
		For 1/2 Bituminous Coated And 25% Paved, Add	130.72	
33 42 11 00-1024	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	627.30	112.15
		For 1/2 Bituminous Coated And 25% Paved, Add	137.02	
33 42 11 00-1025	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	663.51	123.36
		For 1/2 Bituminous Coated And 25% Paved, Add	143.46	
33 42 11 00-1026		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1002)		
33 42 11 00-1027	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	370.71	40.37
		For 1/2 Bituminous Coated And 25% Paved, Add	82.99	
33 42 11 00-1028	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	444.90	49.34
		For 1/2 Bituminous Coated And 25% Paved, Add	99.61	
33 42 11 00-1029	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	516.66	71.78
		For 1/2 Bituminous Coated And 25% Paved, Add	106.94	
33 42 11 00-1030	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	556.31	78.51
		For 1/2 Bituminous Coated And 25% Paved, Add	114.20	
33 42 11 00-1031	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	592.77	84.11
		For 1/2 Bituminous Coated And 25% Paved, Add	121.42	
33 42 11 00-1032	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	629.57	89.72
		For 1/2 Bituminous Coated And 25% Paved, Add	128.73	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-1033	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	666.94	95.33
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	135.98	
33 42 11 00-1034	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	707.40	100.94
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	143.23	
33 42 11 00-1035	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	750.64	112.15
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	150.53	
33 42 11 00-1036	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	793.28	123.36
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	157.79	
33 42 11 00-1037	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	834.50	134.58
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	165.05	

33 42 11 00-1038 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1002)

33 42 11 00-1039	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	596.35	71.78
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	129.73	
33 42 11 00-1040	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	643.42	78.51
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	139.11	
33 42 11 00-1041	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	686.80	84.11
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	148.31	
33 42 11 00-1042	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	729.87	89.72
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	157.42	
33 42 11 00-1043	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	774.01	95.33
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	166.60	
33 42 11 00-1044	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	821.08	100.94
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	175.74	
33 42 11 00-1045	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	870.90	112.15
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	184.92	
33 42 11 00-1046	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	920.21	123.36
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	194.09	
33 42 11 00-1047	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	967.95	134.58
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	203.22	
33 42 11 00-1048	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,028.17	145.80
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	215.28	
33 42 11 00-1049	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,083.66	157.01
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	225.20	
33 42 11 00-1050	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,143.88	168.23
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	235.50	

33 42 11 00-1051 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-0909)
33 42 11 00-1052 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1051)

33 42 11 00-1053	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	70.29	12.53
33 42 11 00-1054	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.83	13.57
33 42 11 00-1055	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	90.56	14.61
33 42 11 00-1056	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	117.94	18.80
33 42 11 00-1057	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	151.20	24.68
33 42 11 00-1058	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	173.52	29.16
33 42 11 00-1059	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	195.73	33.65
33 42 11 00-1060	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	232.87	38.13
33 42 11 00-1061	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	254.49	40.37

33 42 11 00-1062 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1051)

33 42 11 00-1063	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	77.96	12.53
33 42 11 00-1064	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	89.79	13.57
33 42 11 00-1065	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	100.72	14.61
33 42 11 00-1066	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	130.64	18.80
33 42 11 00-1067	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	166.48	24.68
33 42 11 00-1068	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	191.39	29.16
33 42 11 00-1069	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	216.14	33.65
33 42 11 00-1070	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	255.82	38.13
33 42 11 00-1071	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	280.07	40.37
33 42 11 00-1072	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	340.87	49.34
33 42 11 00-1073	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	404.36	71.78
33 42 11 00-1074	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	436.25	78.51

33 42 11 00-1075 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1051)

33 42 11 00-1076	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	156.37	18.80
33 42 11 00-1077	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	197.29	24.68
33 42 11 00-1078	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	227.47	29.16
33 42 11 00-1079	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	257.30	33.65
33 42 11 00-1080	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	302.11	38.13
33 42 11 00-1081	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	331.59	40.37
33 42 11 00-1082	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	397.42	49.34
33 42 11 00-1083	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	465.99	71.78
33 42 11 00-1084	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	503.00	78.51
33 42 11 00-1085	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	536.82	84.11
33 42 11 00-1086	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	570.69	89.72
33 42 11 00-1087	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	605.22	95.33
33 42 11 00-1088	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	640.45	100.94

			Utilities	33	CS
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
33 42 11 00-1089		Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-0400)			
33 42 11 00-1090		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1089)			
33 42 11 00-1091		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1090)			
33 42 11 00-1092	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	55.84	11.49	
		For 1/2 Bituminous Coated And 40% Paved, Add	15.90		
33 42 11 00-1093	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	62.98	12.53	
		For 1/2 Bituminous Coated And 40% Paved, Add	19.00		
33 42 11 00-1094	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	72.72	13.57	
		For 1/2 Bituminous Coated And 40% Paved, Add	22.85		
33 42 11 00-1095	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	82.05	14.61	
		For 1/2 Bituminous Coated And 40% Paved, Add	26.33		
33 42 11 00-1096	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	106.39	18.80	
		For 1/2 Bituminous Coated And 40% Paved, Add	33.45		
33 42 11 00-1097	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	139.85	24.68	
		For 1/2 Bituminous Coated And 40% Paved, Add	43.14		
33 42 11 00-1098		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1090)			
33 42 11 00-1099	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	62.37	11.49	
		For 1/2 Bituminous Coated And 40% Paved, Add	16.48		
33 42 11 00-1100	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	70.89	12.53	
		For 1/2 Bituminous Coated And 40% Paved, Add	19.74		
33 42 11 00-1101	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	81.63	13.57	
		For 1/2 Bituminous Coated And 40% Paved, Add	23.48		
33 42 11 00-1102	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	92.35	14.61	
		For 1/2 Bituminous Coated And 40% Paved, Add	27.08		
33 42 11 00-1103	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	119.24	18.80	
		For 1/2 Bituminous Coated And 40% Paved, Add	34.29		
33 42 11 00-1104	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	155.13	24.68	
		For 1/2 Bituminous Coated And 40% Paved, Add	43.69		
33 42 11 00-1105	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	179.54	29.16	
		For 1/2 Bituminous Coated And 40% Paved, Add	52.04		
33 42 11 00-1106		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1090)			
33 42 11 00-1107	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	87.02	12.53	
		For 1/2 Bituminous Coated And 40% Paved, Add	18.08		
33 42 11 00-1108	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	100.75	13.57	
		For 1/2 Bituminous Coated And 40% Paved, Add	21.49		
33 42 11 00-1109	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	114.01	14.61	
		For 1/2 Bituminous Coated And 40% Paved, Add	24.67		
33 42 11 00-1110	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	146.27	18.80	
		For 1/2 Bituminous Coated And 40% Paved, Add	31.13		
33 42 11 00-1111	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	187.78	24.68	
		For 1/2 Bituminous Coated And 40% Paved, Add	39.14		
33 42 11 00-1112	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	217.62	29.16	
		For 1/2 Bituminous Coated And 40% Paved, Add	46.39		
33 42 11 00-1113	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	255.56	33.65	
		For 1/2 Bituminous Coated And 40% Paved, Add	55.24		
33 42 11 00-1114	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	284.59	38.13	
		For 1/2 Bituminous Coated And 40% Paved, Add	60.89		
33 42 11 00-1115		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1090)			
33 42 11 00-1116	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	217.10	24.68	
		For 1/2 Bituminous Coated And 40% Paved, Add	41.19		
33 42 11 00-1117	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	251.81	29.16	
		For 1/2 Bituminous Coated And 40% Paved, Add	48.68		
33 42 11 00-1118	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	294.34	33.65	
		For 1/2 Bituminous Coated And 40% Paved, Add	57.48		
33 42 11 00-1119	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	328.44	38.13	
		For 1/2 Bituminous Coated And 40% Paved, Add	63.64		
33 42 11 00-1120	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	359.66	40.37	
		For 1/2 Bituminous Coated And 40% Paved, Add	69.79		
33 42 11 00-1121		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1089)			
33 42 11 00-1122		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1121)			
33 42 11 00-1123	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	273.59	38.13	
		For 1/2 Bituminous Coated And 40% Paved, Add	91.46		
33 42 11 00-1124	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	299.04	40.37	
		For 1/2 Bituminous Coated And 40% Paved, Add	100.08		
33 42 11 00-1125	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	371.08	49.34	
		For 1/2 Bituminous Coated And 40% Paved, Add	125.70		
33 42 11 00-1126	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	436.97	71.78	
		For 1/2 Bituminous Coated And 40% Paved, Add	134.76		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
33 42 11 00-1127	LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	472.04 144.28		78.51	
33 42 11 00-1128	LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	504.12 153.84		84.11	
33 42 11 00-1129	LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	536.09 163.34		89.72	
33 42 11 00-1130	LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	568.93 172.87		95.33	
33 42 11 00-1131 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1121)					
33 42 11 00-1132	LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	364.14 113.73		40.37	
33 42 11 00-1133	LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	443.26 139.00		49.34	
33 42 11 00-1134	LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	515.56 149.50		71.78	
33 42 11 00-1135	LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	556.91 160.36		78.51	
33 42 11 00-1136	LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	595.41 171.30		84.11	
33 42 11 00-1137	LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	633.81 182.20		89.72	
33 42 11 00-1138	LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	672.91 193.05		95.33	
33 42 11 00-1139	LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	715.36 204.01		100.94	
33 42 11 00-1140	LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	760.25 214.91		112.15	
33 42 11 00-1141	LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	807.41 226.91		123.36	
33 42 11 00-1142 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1121)					
33 42 11 00-1143	LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	588.53 161.82		71.78	
33 42 11 00-1144	LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	635.95 173.86		78.51	
33 42 11 00-1145	LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	680.43 185.93		84.11	
33 42 11 00-1146	LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	724.70 197.93		89.72	
33 42 11 00-1147	LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	773.86 211.40		95.33	
33 42 11 00-1148	LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	818.25 222.03		100.94	
33 42 11 00-1149	LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	869.16 234.08		112.15	
33 42 11 00-1150	LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	921.75 246.91		123.36	
33 42 11 00-1151	LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	980.10 262.34		134.58	
33 42 11 00-1152 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1089)					
33 42 11 00-1153 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1152)					
33 42 11 00-1154	LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	522.93 147.13		71.78	
33 42 11 00-1155	LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	563.63 157.36		78.51	
33 42 11 00-1156	LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	601.03 167.49		84.11	
33 42 11 00-1157	LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	638.38 177.61		89.72	
33 42 11 00-1158	LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	676.70 187.78		95.33	
33 42 11 00-1159	LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	718.60 198.14		100.94	
33 42 11 00-1160	LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	762.94 208.45		112.15	
33 42 11 00-1161	LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	813.54 221.36		123.36	
33 42 11 00-1162 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1152)					
33 42 11 00-1163	LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	603.77 163.20		71.78	
33 42 11 00-1164	LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	650.94 174.85		78.51	

		Utilities	33	33
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1165	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	694.86 186.43	84.11
33 42 11 00-1166	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	738.98 198.07	89.72
33 42 11 00-1167	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	782.82 209.33	95.33
33 42 11 00-1168	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	832.14 221.44	100.94
33 42 11 00-1169	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	883.19 233.24	112.15
33 42 11 00-1170	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	940.42 247.40	123.36
33 42 11 00-1171	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	994.04 260.77	134.58
33 42 11 00-1172			Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-0400)		
33 42 11 00-1173			1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1172)		
33 42 11 00-1174			18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1173)		
33 42 11 00-1175	LF		6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	28.28 3.02	6.27
33 42 11 00-1176	LF		8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	36.58 4.11	7.83
33 42 11 00-1177	LF		10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	47.46 5.41	9.40
33 42 11 00-1178			16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1173)		
33 42 11 00-1179	LF		6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	31.75 3.00	6.27
33 42 11 00-1180	LF		8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	41.49 4.10	7.83
33 42 11 00-1181	LF		10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	54.00 5.42	9.40
33 42 11 00-1182			2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1172)		
33 42 11 00-1183			16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1182)		
33 42 11 00-1184	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	54.95 5.95	10.96
33 42 11 00-1185	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	63.95 7.47	11.49
33 42 11 00-1186	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	73.50 9.07	12.53
33 42 11 00-1187	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	84.93 10.83	13.57
33 42 11 00-1188	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	95.03 12.28	14.61
33 42 11 00-1189			14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1182)		
33 42 11 00-1190	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	62.38 5.82	10.96
33 42 11 00-1191	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	73.43 7.33	11.49
33 42 11 00-1192	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	84.86 8.88	12.53
33 42 11 00-1193	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	98.10 10.54	13.57
33 42 11 00-1194	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	110.15 11.98	14.61
33 42 11 00-1195	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	143.02 15.36	18.80
33 42 11 00-1196	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	182.23 19.09	24.68
33 42 11 00-1197			12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1182)		
33 42 11 00-1198	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	139.05 11.37	14.61
33 42 11 00-1199	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	178.99 14.47	18.80
33 42 11 00-1200	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	225.44 17.83	24.68
33 42 11 00-1201	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	260.68 20.97	29.16

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
33 42 11 00-1202	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	294.86	33.65	
		<i>For Bituminous Coated Pipe, Add</i>	23.74		
33 42 11 00-1203	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	347.27	38.13	
		<i>For Bituminous Coated Pipe, Add</i>	28.16		
33 42 11 00-1204 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1182)					
33 42 11 00-1205	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	271.49	24.68	
		<i>For Bituminous Coated Pipe, Add</i>	17.53		
33 42 11 00-1206	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	314.32	29.16	
		<i>For Bituminous Coated Pipe, Add</i>	20.58		
33 42 11 00-1207	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	356.35	33.65	
		<i>For Bituminous Coated Pipe, Add</i>	23.35		
33 42 11 00-1208	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	416.44	38.13	
		<i>For Bituminous Coated Pipe, Add</i>	27.40		
33 42 11 00-1209	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	457.99	40.37	
		<i>For Bituminous Coated Pipe, Add</i>	30.20		
33 42 11 00-1210 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1172)					
33 42 11 00-1211 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1210)					
33 42 11 00-1212	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	140.67	18.80	
33 42 11 00-1213	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	179.30	24.68	
33 42 11 00-1214	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	205.89	29.16	
33 42 11 00-1215	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	233.22	33.65	
33 42 11 00-1216	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	275.86	38.13	
33 42 11 00-1217 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1210)					
33 42 11 00-1218	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	159.62	18.80	
33 42 11 00-1219	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	206.33	24.68	
33 42 11 00-1220	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	237.27	29.16	
33 42 11 00-1221	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	267.47	33.65	
33 42 11 00-1222	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	315.98	38.13	
33 42 11 00-1223	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	345.55	40.37	
33 42 11 00-1224	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	420.60	49.34	
33 42 11 00-1225	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	489.91	71.78	
33 42 11 00-1226	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	527.43	78.51	
33 42 11 00-1227 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1210)					
33 42 11 00-1228	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	203.86	18.80	
33 42 11 00-1229	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	256.08	24.68	
33 42 11 00-1230	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	296.72	29.16	
33 42 11 00-1231	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	335.65	33.65	
33 42 11 00-1232	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	392.52	38.13	
33 42 11 00-1233	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	430.31	40.37	
33 42 11 00-1234	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	513.56	49.34	
33 42 11 00-1235	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	591.28	71.78	
33 42 11 00-1236	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	637.09	78.51	
33 42 11 00-1237	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	679.98	84.11	
33 42 11 00-1238	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	722.74	89.72	
33 42 11 00-1239	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	766.31	95.33	
33 42 11 00-1240 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 42 11 00-1210)					
33 42 11 00-1241	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	519.45	40.37	
33 42 11 00-1242	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	607.86	49.34	
33 42 11 00-1243	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	694.05	71.78	
33 42 11 00-1244	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	748.33	78.51	
33 42 11 00-1245	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	799.55	84.11	
33 42 11 00-1246	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	850.75	89.72	
33 42 11 00-1247	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	902.72	95.33	
33 42 11 00-1248	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	957.98	100.94	
33 42 11 00-1249	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,015.70	112.15	
33 42 11 00-1250 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1172)					
Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.					
33 42 11 00-1251 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1250)					
33 42 11 00-1252	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	99.01	12.53	
33 42 11 00-1253	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.47	13.57	
33 42 11 00-1254	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	128.94	14.61	
33 42 11 00-1255	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	148.90	16.71	
33 42 11 00-1256	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	166.62	18.80	

			Utilities	33	CS
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
33 42 11 00-1257	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	186.49		20.88
33 42 11 00-1258		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1250)			
33 42 11 00-1259	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	115.04		12.53
33 42 11 00-1260	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	133.35		13.57
33 42 11 00-1261	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.49		14.61
33 42 11 00-1262	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.09		16.71
33 42 11 00-1263	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	193.45		18.80
33 42 11 00-1264	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	216.06		20.88
33 42 11 00-1265	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.13		24.68
33 42 11 00-1266	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	281.28		29.16
33 42 11 00-1267	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.33		33.65
33 42 11 00-1268		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1250)			
33 42 11 00-1269	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	245.92		18.80
33 42 11 00-1270	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	273.65		20.88
33 42 11 00-1271	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	306.05		24.68
33 42 11 00-1272	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	354.75		29.16
33 42 11 00-1273	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	402.30		33.65
33 42 11 00-1274	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	559.31		38.13
33 42 11 00-1275	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	615.71		40.37
33 42 11 00-1276		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1250)			
33 42 11 00-1277	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	573.38		33.65
33 42 11 00-1278	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	664.78		38.13
33 42 11 00-1279	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	733.03		40.37
33 42 11 00-1280	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	851.07		49.34
33 42 11 00-1281	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	957.47		71.78
33 42 11 00-1282	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,032.92		78.51
33 42 11 00-1283	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,104.67		84.11
33 42 11 00-1284		Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-0400)			
33 42 11 00-1285		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1284)			
33 42 11 00-1286		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1285)			
33 42 11 00-1287	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	67.34		11.49
		<i>For Bituminous Coated Pipe, Add</i>	7.48		
33 42 11 00-1288	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	76.71		12.53
		<i>For Bituminous Coated Pipe, Add</i>	8.94		
33 42 11 00-1289	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	88.58		13.57
		<i>For Bituminous Coated Pipe, Add</i>	10.64		
33 42 11 00-1290		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1285)			
33 42 11 00-1291	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	76.83		11.49
		<i>For Bituminous Coated Pipe, Add</i>	7.45		
33 42 11 00-1292	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	85.82		12.53
		<i>For Bituminous Coated Pipe, Add</i>	8.59		
33 42 11 00-1293	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	101.75		13.57
		<i>For Bituminous Coated Pipe, Add</i>	10.55		
33 42 11 00-1294	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	115.10		14.61
		<i>For Bituminous Coated Pipe, Add</i>	12.10		
33 42 11 00-1295	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	147.95		18.80
		<i>For Bituminous Coated Pipe, Add</i>	15.32		
33 42 11 00-1296		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1285)			
33 42 11 00-1297	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	144.02		14.61
		<i>For Bituminous Coated Pipe, Add</i>	11.54		
33 42 11 00-1298	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	184.01		18.80
		<i>For Bituminous Coated Pipe, Add</i>	14.55		
33 42 11 00-1299	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	233.93		24.68
		<i>For Bituminous Coated Pipe, Add</i>	18.16		
33 42 11 00-1300	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	271.85		29.16
		<i>For Bituminous Coated Pipe, Add</i>	21.48		
33 42 11 00-1301		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1285)			
33 42 11 00-1302	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	279.92		24.68
		<i>For Bituminous Coated Pipe, Add</i>	17.52		
33 42 11 00-1303	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	325.59		29.16
		<i>For Bituminous Coated Pipe, Add</i>	20.67		
33 42 11 00-1304	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	378.97		33.65
		<i>For Bituminous Coated Pipe, Add</i>	24.22		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

 33 42 11 00-1305 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....423.88 38.13
For Bituminous Coated Pipe, Add 26.95

33 42 11 00-1306 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1284)

33 42 11 00-1307 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1306)

 33 42 11 00-1308 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch323.42 38.13
 33 42 11 00-1309 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch354.19 40.37
 33 42 11 00-1310 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch431.29 49.34

33 42 11 00-1311 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1306)

 33 42 11 00-1312 LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch399.96 38.13
 33 42 11 00-1313 LF 73" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch438.95 40.37
 33 42 11 00-1314 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch523.86 49.34
 33 42 11 00-1315 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch602.37 71.78
 33 42 11 00-1316 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch648.96 78.51
 33 42 11 00-1317 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch692.64 84.11

33 42 11 00-1318 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 42 11 00-1306)

 33 42 11 00-1319 LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch527.97 40.37
 33 42 11 00-1320 LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch617.78 49.34
 33 42 11 00-1321 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch704.74 71.78
 33 42 11 00-1322 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch759.79 78.51
 33 42 11 00-1323 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch811.80 84.11
 33 42 11 00-1324 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch863.77 89.72

33 42 11 00-1325 Corrugated Steel Pipe Fittings (33 42 11 00-0400)

Note: Equivalent pipe-arch sizes are approximate.

33 42 11 00-1326 Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings (33 42 11 00-1325)

Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

 33 42 11 00-1327 EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)91.99
 33 42 11 00-1328 EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)115.35
 33 42 11 00-1329 EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)138.72
 33 42 11 00-1330 EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)163.57
 33 42 11 00-1331 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)198.59
 33 42 11 00-1332 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)233.62
 33 42 11 00-1333 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)268.68
 33 42 11 00-1334 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)303.70
 33 42 11 00-1335 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)395.71
 33 42 11 00-1336 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)471.63
 33 42 11 00-1337 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)547.57
 33 42 11 00-1338 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)708.19
 33 42 11 00-1339 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)798.73
 33 42 11 00-1340 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)892.18
 33 42 11 00-1341 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)988.55
 33 42 11 00-1342 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)1,204.65
 33 42 11 00-1343 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)1,314.15
 33 42 11 00-1344 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)1,426.59
 33 42 11 00-1345 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)1,750.75
 33 42 11 00-1346 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)1,879.26
 33 42 11 00-1347 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)2,009.21
 33 42 11 00-1348 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)2,139.15
 33 42 11 00-1349 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)2,267.65
 33 42 11 00-1350 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)2,397.62
 33 42 11 00-1351 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)2,534.64
 33 42 11 00-1352 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)2,679.48
 33 42 11 00-1353 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)2,832.58

			Utilities	33	33
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 42 11 00-1354

Fabricate Corrugated Steel Pipe Tees Or Laterals (33 42 11 00-1325)

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1355	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	119.74
33 42 11 00-1356	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	153.32
33 42 11 00-1357	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	186.88
33 42 11 00-1358	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	220.50
33 42 11 00-1359	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	268.68
33 42 11 00-1360	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	318.31
33 42 11 00-1361	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	367.98
33 42 11 00-1362	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	417.59
33 42 11 00-1363	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	547.57
33 42 11 00-1364	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	652.71
33 42 11 00-1365	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	759.29
33 42 11 00-1366	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	985.60
33 42 11 00-1367	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,109.73
33 42 11 00-1368	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,238.21
33 42 11 00-1369	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,369.64
33 42 11 00-1370	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,670.43
33 42 11 00-1371	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,819.39
33 42 11 00-1372	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,971.24
33 42 11 00-1373	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,425.32
33 42 11 00-1374	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,599.10
33 42 11 00-1375	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,772.86
33 42 11 00-1376	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,948.07
33 42 11 00-1377	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	3,123.31
33 42 11 00-1378	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	3,297.04
33 42 11 00-1379	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	3,480.47
33 42 11 00-1380	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,674.09
33 42 11 00-1381	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,878.46

33 42 11 00-1382

Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1325)

Note: Applied to pipe tasks.

33 42 11 00-1383	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	46.14
33 42 11 00-1384	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	58.04
33 42 11 00-1385	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	73.01
33 42 11 00-1386	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	89.40
33 42 11 00-1387	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	113.13
33 42 11 00-1388	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	138.52
33 42 11 00-1389	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	162.26
33 42 11 00-1390	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	188.52
33 42 11 00-1391	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	231.54
33 42 11 00-1392	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	276.07
33 42 11 00-1393	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	329.40
33 42 11 00-1394	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	405.20
33 42 11 00-1395	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	458.63
33 42 11 00-1396	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	516.50
33 42 11 00-1397	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	626.35
33 42 11 00-1398	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	694.61
33 42 11 00-1399	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	847.49
33 42 11 00-1400	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	923.22
33 42 11 00-1401	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,003.40
33 42 11 00-1402	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,082.00
33 42 11 00-1403	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,162.15
33 42 11 00-1404	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,243.77
33 42 11 00-1405	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,323.95
33 42 11 00-1406	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,404.08
33 42 11 00-1407	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,489.06
33 42 11 00-1408	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,579.17
33 42 11 00-1409	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,674.75

33 42 11 00-1410

Saddles, Corrugated Steel Pipe Fitting (33 42 11 00-1325)

33 42 11 00-1411	EA	6" Saddle, Corrugated Steel Pipe Fitting.....	285.80
33 42 11 00-1412	EA	8" Saddle, Corrugated Steel Pipe Fitting.....	322.49

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

33 42 11 00-1413	EA	10" Saddle, Corrugated Steel Pipe Fitting	370.88	
33 42 11 00-1414	EA	12" Saddle, Corrugated Steel Pipe Fitting	453.93	
33 42 11 00-1415	EA	15" Saddle, Corrugated Steel Pipe Fitting	560.34	
33 42 11 00-1416	EA	18" Saddle, Corrugated Steel Pipe Fitting	668.98	
33 42 11 00-1417	EA	21" Saddle, Corrugated Steel Pipe Fitting	843.69	
33 42 11 00-1418	EA	24" Saddle, Corrugated Steel Pipe Fitting	1,002.96	
33 42 11 00-1419	EA	30" Saddle, Corrugated Steel Pipe Fitting	1,260.64	
33 42 11 00-1420	EA	36" Saddle, Corrugated Steel Pipe Fitting	1,626.36	
33 42 11 00-1421	EA	42" Saddle, Corrugated Steel Pipe Fitting	1,920.66	
33 42 11 00-1422	EA	48" Saddle, Corrugated Steel Pipe Fitting	2,259.26	
33 42 11 00-1423	EA	54" Saddle, Corrugated Steel Pipe Fitting	2,688.48	
33 42 11 00-1424	EA	60" Saddle, Corrugated Steel Pipe Fitting	3,186.91	
33 42 11 00-1425	EA	66" Saddle, Corrugated Steel Pipe Fitting	3,630.13	
33 42 11 00-1426	EA	72" Saddle, Corrugated Steel Pipe Fitting	4,047.95	
33 42 11 00-1427	EA	78" Saddle, Corrugated Steel Pipe Fitting	4,750.15	
33 42 11 00-1428	EA	84" Saddle, Corrugated Steel Pipe Fitting	5,247.28	
33 42 11 00-1429	EA	90" Saddle, Corrugated Steel Pipe Fitting	6,212.62	
33 42 11 00-1430	EA	96" Saddle, Corrugated Steel Pipe Fitting	6,867.68	
33 42 11 00-1431	EA	102" Saddle, Corrugated Steel Pipe Fitting	7,792.77	
33 42 11 00-1432	EA	108" Saddle, Corrugated Steel Pipe Fitting	8,844.08	
33 42 11 00-1433	EA	114" Saddle, Corrugated Steel Pipe Fitting	10,035.99	
33 42 11 00-1434	EA	120" Saddle, Corrugated Steel Pipe Fitting	11,386.96	

33 42 11 00-1435 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1325)

33 42 11 00-1436	EA	6" Coupling Band, Corrugated Metal Pipe Fitting.....	17.32	
		<i>For Bituminous Coated, Add</i>	5.02	
33 42 11 00-1437	EA	8" Coupling Band, Corrugated Metal Pipe Fitting.....	23.00	
		<i>For Bituminous Coated, Add</i>	6.67	
33 42 11 00-1438	EA	10" Coupling Band, Corrugated Metal Pipe Fitting.....	28.97	
		<i>For Bituminous Coated, Add</i>	8.40	
33 42 11 00-1439	EA	12" Coupling Band, Corrugated Metal Pipe Fitting.....	48.08	
		<i>For Bituminous Coated, Add</i>	13.94	
33 42 11 00-1440	EA	15" Coupling Band, Corrugated Metal Pipe Fitting.....	60.63	
		<i>For Bituminous Coated, Add</i>	17.58	
33 42 11 00-1441	EA	18" Coupling Band, Corrugated Metal Pipe Fitting.....	88.95	
		<i>For Bituminous Coated, Add</i>	25.80	
33 42 11 00-1442	EA	21" Coupling Band, Corrugated Metal Pipe Fitting.....	105.57	
		<i>For Bituminous Coated, Add</i>	30.62	
33 42 11 00-1443	EA	24" Coupling Band, Corrugated Metal Pipe Fitting.....	119.71	
		<i>For Bituminous Coated, Add</i>	34.72	
33 42 11 00-1444	EA	30" Coupling Band, Corrugated Metal Pipe Fitting.....	207.17	
		<i>For Bituminous Coated, Add</i>	60.08	
33 42 11 00-1445	EA	36" Coupling Band, Corrugated Metal Pipe Fitting.....	331.46	
		<i>For Bituminous Coated, Add</i>	79.55	
33 42 11 00-1446	EA	42" Coupling Band, Corrugated Metal Pipe Fitting.....	389.45	
		<i>For Bituminous Coated, Add</i>	93.47	
33 42 11 00-1447	EA	48" Coupling Band, Corrugated Metal Pipe Fitting.....	436.39	
		<i>For Bituminous Coated, Add</i>	104.73	
33 42 11 00-1448	EA	54" Coupling Band, Corrugated Metal Pipe Fitting.....	618.86	
		<i>For Bituminous Coated, Add</i>	148.53	
33 42 11 00-1449	EA	60" Coupling Band, Corrugated Metal Pipe Fitting.....	885.17	
		<i>For Bituminous Coated, Add</i>	159.33	
33 42 11 00-1450	EA	66" Coupling Band, Corrugated Metal Pipe Fitting.....	1,087.85	
		<i>For Bituminous Coated, Add</i>	195.81	
33 42 11 00-1451	EA	72" Coupling Band, Corrugated Metal Pipe Fitting.....	1,397.41	
		<i>For Bituminous Coated, Add</i>	195.64	
33 42 11 00-1452	EA	78" Coupling Band, Corrugated Metal Pipe Fitting.....	1,494.62	
		<i>For Bituminous Coated, Add</i>	209.25	
33 42 11 00-1453	EA	84" Coupling Band, Corrugated Metal Pipe Fitting.....	1,592.38	
		<i>For Bituminous Coated, Add</i>	222.93	
33 42 11 00-1454	EA	90" Coupling Band, Corrugated Metal Pipe Fitting.....	1,689.65	
		<i>For Bituminous Coated, Add</i>	236.55	
33 42 11 00-1455	EA	96" Coupling Band, Corrugated Metal Pipe Fitting.....	1,787.16	
		<i>For Bituminous Coated, Add</i>	250.20	
33 42 11 00-1456	EA	102" Coupling Band, Corrugated Metal Pipe Fitting.....	1,884.92	
		<i>For Bituminous Coated, Add</i>	263.89	
33 42 11 00-1457	EA	108" Coupling Band, Corrugated Metal Pipe Fitting.....	1,982.23	
		<i>For Bituminous Coated, Add</i>	277.51	
33 42 11 00-1458	EA	114" Coupling Band, Corrugated Metal Pipe Fitting.....	2,347.73	
		<i>For Bituminous Coated, Add</i>	281.73	
33 42 11 00-1459	EA	120" Coupling Band, Corrugated Metal Pipe Fitting.....	2,176.70	
		<i>For Bituminous Coated, Add</i>	261.20	
33 42 11 00-1460	EA	126" Coupling Band, Corrugated Metal Pipe Fitting.....	2,273.72	
		<i>For Bituminous Coated, Add</i>	272.85	
33 42 11 00-1461	EA	132" Coupling Band, Corrugated Metal Pipe Fitting.....	2,371.43	
		<i>For Bituminous Coated, Add</i>	284.57	
33 42 11 00-1462	EA	138" Coupling Band, Corrugated Metal Pipe Fitting.....	2,469.24	
		<i>For Bituminous Coated, Add</i>	296.31	

33 42 11 00-1463 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1325)

33 42 11 00-1464	EA	12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	443.38	125.30
33 42 11 00-1465	EA	15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	540.40	156.62
33 42 11 00-1466	EA	18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	634.25	208.83
33 42 11 00-1467	EA	24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	905.57	292.36
33 42 11 00-1468	EA	30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,117.35	334.13

			Utilities	33	CS
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1469	EA		36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	1,544.41	381.32
33 42 11 00-1470	EA		42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	1,830.84	448.61
33 42 11 00-1471	EA		48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	2,096.96	448.61
33 42 11 00-1472	EA		54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	2,556.99	628.05
33 42 11 00-1473	EA		60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	2,904.82	628.05
33 42 11 00-1474	EA		66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	3,502.24	785.06
33 42 11 00-1475	EA		72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting.....	3,740.77	835.53

33 42 11 00-1476 Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1325)

33 42 11 00-1477	EA		12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	645.50	167.06
33 42 11 00-1478	EA		15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	744.30	208.83
33 42 11 00-1479	EA		18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	866.84	271.49
33 42 11 00-1480	EA		24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	1,244.56	375.90
33 42 11 00-1481	EA		30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	1,638.20	438.55
33 42 11 00-1482	EA		36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	2,248.68	515.90
33 42 11 00-1483	EA		42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	2,669.68	605.62
33 42 11 00-1484	EA		48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	3,113.98	605.62
33 42 11 00-1485	EA		54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	3,740.49	829.93
33 42 11 00-1486	EA		60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	4,217.54	829.93
33 42 11 00-1487	EA		66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	4,974.25	1,054.23
33 42 11 00-1488	EA		72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	5,252.53	1,121.52

33 42 11 00-1489 Vitrified Clay Piping (33 42 11)

33 42 11 00-1490 Extra Strength Vitrified Clay Piping (33 42 11 00-1489)

33 42 11 00-1491 Plain Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-1490)

Note: ASTM C700.

33 42 11 00-1492	LF		4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	22.88	
			For 3' Lengths, Add	2.02	
			For 2' Lengths, Add	2.69	
			For Standard Strength, Deduct	-0.67	
			For >1,000, Deduct	-1.14	
33 42 11 00-1493	LF		6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	37.97	
			For 3' Lengths, Add	3.14	
			For 2' Lengths, Add	4.18	
			For Standard Strength, Deduct	-1.05	
			For >1,000, Deduct	-1.90	
33 42 11 00-1494	LF		8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	45.53	
			For 3' Lengths, Add	4.48	
			For 2' Lengths, Add	5.98	
			For Standard Strength, Deduct	-1.49	
			For >1,000, Deduct	-2.28	
33 42 11 00-1495	LF		10" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	54.79	
			For 3' Lengths, Add	6.86	
			For 2' Lengths, Add	9.15	
			For Standard Strength, Deduct	-2.29	
			For >1,000, Deduct	-2.74	
33 42 11 00-1496	LF		12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	67.11	
			For 3' Lengths, Add	9.69	
			For 2' Lengths, Add	12.92	
			For Standard Strength, Deduct	-3.23	
			For >1,000, Deduct	-3.36	
33 42 11 00-1497	LF		15" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	99.29	
			For 3' Lengths, Add	18.17	
			For 2' Lengths, Add	24.22	
			For Standard Strength, Deduct	-6.06	
			For >1,000, Deduct	-4.96	
33 42 11 00-1498	LF		18" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	135.10	
			For 3' Lengths, Add	26.04	
			For 2' Lengths, Add	34.72	
			For Standard Strength, Deduct	-8.68	
			For >1,000, Deduct	-6.76	
33 42 11 00-1499	LF		21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	199.97	
			For 3' Lengths, Add	41.72	
			For 2' Lengths, Add	55.62	
			For Standard Strength, Deduct	-13.91	
			For >1,000, Deduct	-10.00	
33 42 11 00-1500	LF		24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	255.64	
			For 3' Lengths, Add	54.50	
			For 2' Lengths, Add	72.67	
			For Standard Strength, Deduct	-18.17	
			For >1,000, Deduct	-12.78	
33 42 11 00-1501	LF		30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	316.35	
			For 3' Lengths, Add	67.96	
			For 2' Lengths, Add	90.61	
			For Standard Strength, Deduct	-22.65	
			For >1,000, Deduct	-15.82	
33 42 11 00-1502	LF		36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	382.70	
			For 3' Lengths, Add	82.09	
			For 2' Lengths, Add	109.45	
			For Standard Strength, Deduct	-27.36	
			For >1,000, Deduct	-19.14	

33 42 11 00-1503 Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-1490)

Note: ASTM C425.

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-1504	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	32.41
		For 3' Lengths, Add	2.38
		For 2' Lengths, Add	3.18
		For Standard Strength, Deduct	-0.79
		For >1,000, Deduct	-1.62
33 42 11 00-1505	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	40.48
		For 3' Lengths, Add	3.89
		For 2' Lengths, Add	5.18
		For Standard Strength, Deduct	-1.30
		For >1,000, Deduct	-2.02
33 42 11 00-1506	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	48.89
		For 3' Lengths, Add	5.49
		For 2' Lengths, Add	7.32
		For Standard Strength, Deduct	-1.83
		For >1,000, Deduct	-2.44
33 42 11 00-1507	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	61.96
		For 3' Lengths, Add	9.02
		For 2' Lengths, Add	12.02
		For Standard Strength, Deduct	-3.01
		For >1,000, Deduct	-3.10
33 42 11 00-1508	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	74.28
		For 3' Lengths, Add	11.84
		For 2' Lengths, Add	15.79
		For Standard Strength, Deduct	-3.95
		For >1,000, Deduct	-3.71
33 42 11 00-1509	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	110.73
		For 3' Lengths, Add	21.60
		For 2' Lengths, Add	28.80
		For Standard Strength, Deduct	-7.20
		For >1,000, Deduct	-5.54
33 42 11 00-1510	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	153.71
		For 3' Lengths, Add	31.62
		For 2' Lengths, Add	42.16
		For Standard Strength, Deduct	-10.54
		For >1,000, Deduct	-7.69
33 42 11 00-1511	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	221.28
		For 3' Lengths, Add	48.11
		For 2' Lengths, Add	64.15
		For Standard Strength, Deduct	-16.04
		For >1,000, Deduct	-11.06
33 42 11 00-1512	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	289.29
		For 3' Lengths, Add	64.60
		For 2' Lengths, Add	86.13
		For Standard Strength, Deduct	-21.53
		For >1,000, Deduct	-14.46
33 42 11 00-1513	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	464.38
		For 3' Lengths, Add	112.37
		For 2' Lengths, Add	149.82
		For Standard Strength, Deduct	-37.46
		For >1,000, Deduct	-23.22
33 42 11 00-1514	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	660.82
		For 3' Lengths, Add	165.53
		For 2' Lengths, Add	220.70
		For Standard Strength, Deduct	-55.18
		For >1,000, Deduct	-33.04

33 42 11 00-1515 Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-1489)

33 42 11 00-1516 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1515)

33 42 11 00-1517 Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-1516)

33 42 11 00-1518	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	96.47
33 42 11 00-1519	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	130.55
33 42 11 00-1520	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	187.16
33 42 11 00-1521	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	258.06
33 42 11 00-1522	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	341.50
33 42 11 00-1523	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	819.63
33 42 11 00-1524	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,156.60
33 42 11 00-1525	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,805.92
33 42 11 00-1526	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,083.96
33 42 11 00-1527	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,419.39
33 42 11 00-1528	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	3,632.83

33 42 11 00-1529 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1516)

33 42 11 00-1530	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	108.92
33 42 11 00-1531	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	155.38
33 42 11 00-1532	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	210.98
33 42 11 00-1533	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	283.60
33 42 11 00-1534	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	360.45
33 42 11 00-1535	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	919.19
33 42 11 00-1536	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,338.10
33 42 11 00-1537	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,374.44
33 42 11 00-1538	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,669.31
33 42 11 00-1539	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,971.73
33 42 11 00-1540	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	4,416.87

33 42 11 00-1541	1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1515)	
33 42 11 00-1542	Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1541)	
33 42 11 00-1543	EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	112.62
33 42 11 00-1544	EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	150.00
33 42 11 00-1545	EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	209.92
33 42 11 00-1546	EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	282.78
33 42 11 00-1547	EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	369.35
33 42 11 00-1548	EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	850.61
33 42 11 00-1549	EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,195.25
33 42 11 00-1550	EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,854.65
33 42 11 00-1551	EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,143.14
33 42 11 00-1552	EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,493.19
33 42 11 00-1553	EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	3,714.86

33 42 11 00-1554	Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-1541)	
33 42 11 00-1555	EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	128.31
33 42 11 00-1556	EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	178.72
33 42 11 00-1557	EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	238.29
33 42 11 00-1558	EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	313.26
33 42 11 00-1559	EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	393.87
33 42 11 00-1560	EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	956.37
33 42 11 00-1561	EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,384.46
33 42 11 00-1562	EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,690.20
33 42 11 00-1563	EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,740.32
33 42 11 00-1564	EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	3,060.28
33 42 11 00-1565	EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	4,515.32

33 42 11 00-1566	Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-1515)	
33 42 11 00-1567	Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-1566)	
33 42 11 00-1568	EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	123.43
33 42 11 00-1569	EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	161.40
33 42 11 00-1570	EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	219.93
33 42 11 00-1571	EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	291.66
33 42 11 00-1572	EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	369.26
33 42 11 00-1573	EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	858.22
33 42 11 00-1574	EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,201.72
33 42 11 00-1575	EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,737.41
33 42 11 00-1576	EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,419.11
33 42 11 00-1577	EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,558.55
33 42 11 00-1578	EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,683.48

33 42 11 00-1579	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-1566)	
33 42 11 00-1580	EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	150.86
33 42 11 00-1581	EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	207.39
33 42 11 00-1582	EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	273.65
33 42 11 00-1583	EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	355.08
33 42 11 00-1584	EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	443.54
33 42 11 00-1585	EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,044.02
33 42 11 00-1586	EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,505.77
33 42 11 00-1587	EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,237.09
33 42 11 00-1588	EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,964.85
33 42 11 00-1589	EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,428.56
33 42 11 00-1590	EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	4,871.35

33 42 11 00-1591	Vitrified Clay Couplings (33 42 11 00-1489)	
33 42 11 00-1592	Vitrified Clay To Cast Iron Or Plastic Pipe Couplings (33 42 11 00-1591)	
	Note: Stainless steel tightening band at each end (Fernco #1002)	
33 42 11 00-1593	EA 4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	38.34
33 42 11 00-1594	EA 4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	38.00
33 42 11 00-1595	EA 5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	51.60
33 42 11 00-1596	EA 5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	48.82
33 42 11 00-1597	EA 6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	62.68
33 42 11 00-1598	EA 6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	65.09
33 42 11 00-1599	EA 6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	59.77
33 42 11 00-1600	EA 8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	85.18
33 42 11 00-1601	EA 8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	79.09
33 42 11 00-1602	EA 10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	110.59
33 42 11 00-1603	EA 10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	101.18
33 42 11 00-1604	EA 12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	136.72
33 42 11 00-1605	EA 12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	115.12
33 42 11 00-1606	EA 15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	228.35
33 42 11 00-1607	EA 15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	176.85

33 42 11 00-1608	Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings (33 42 11 00-1591)	
	Note: Stainless steel tightening band at each end. (NDS Non-shear)	
33 42 11 00-1609	EA 4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	76.98
33 42 11 00-1610	EA 6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	102.43

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 11 00-1611	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	108.28	
33 42 11 00-1612	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	113.51	
33 42 11 00-1613	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	140.04	
33 42 11 00-1614	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	162.42	

33 42 11 00-1615 Vitrified Clay To Plastic Pipe Non-Shear Couplings (33 42 11 00-1591)

Note: Stainless steel tightening band at each end. (NDS Non-shear)

33 42 11 00-1616	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	78.94	
33 42 11 00-1617	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	104.39	
33 42 11 00-1618	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	95.67	
33 42 11 00-1619	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	125.24	
33 42 11 00-1620	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	181.09	
33 42 11 00-1621	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	204.58	

33 42 13 Stormwater Culverts (33 42)**33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)****33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)**

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0899 for crane lifting equipment.

33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	450.73	56.07
		For Each LF Of Cut-Off Section, Add	18.03	
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	508.09	56.07
		For Each LF Of Cut-Off Section, Add	20.32	
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	600.74	56.07
		For Each LF Of Cut-Off Section, Add	24.03	
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	721.15	70.10
		For Each LF Of Cut-Off Section, Add	28.85	
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	738.80	70.10
		For Each LF Of Cut-Off Section, Add	29.55	
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	747.63	70.10
		For Each LF Of Cut-Off Section, Add	29.91	
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	770.82	72.89
		For Each LF Of Cut-Off Section, Add	30.83	
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert	775.24	72.89
		For Each LF Of Cut-Off Section, Add	31.01	
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert	854.65	72.89
		For Each LF Of Cut-Off Section, Add	34.19	
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert	876.86	84.11
		For Each LF Of Cut-Off Section, Add	35.07	
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert	936.80	114.39
		For Each LF Of Cut-Off Section, Add	37.47	
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert	859.06	72.89
		For Each LF Of Cut-Off Section, Add	34.36	
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert	881.27	84.11
		For Each LF Of Cut-Off Section, Add	35.25	
33 42 13 13-0015	LF	8' x 4' Precast Reinforced Concrete Box Culvert	894.51	84.11
		For Each LF Of Cut-Off Section, Add	35.78	
33 42 13 13-0016	LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,078.84	112.15
		For Each LF Of Cut-Off Section, Add	43.15	
33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,082.37	112.15
		For Each LF Of Cut-Off Section, Add	43.29	
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,197.00	140.19
		For Each LF Of Cut-Off Section, Add	47.88	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,192.67	112.15
		For Each LF Of Cut-Off Section, Add	47.71	
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,261.42	140.19
		For Each LF Of Cut-Off Section, Add	50.46	
33 42 13 13-0021	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,265.83	140.19
		For Each LF Of Cut-Off Section, Add	50.63	
33 42 13 13-0022	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,539.37	140.19
		For Each LF Of Cut-Off Section, Add	61.57	
33 42 13 13-0023	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,612.52	168.23
		For Each LF Of Cut-Off Section, Add	64.50	
33 42 13 13-0024	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,630.17	168.23
		For Each LF Of Cut-Off Section, Add	65.21	
33 42 13 13-0025	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,634.58	168.23
		For Each LF Of Cut-Off Section, Add	65.38	
33 42 13 13-0026	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,640.76	168.23
		For Each LF Of Cut-Off Section, Add	65.63	
33 42 13 13-0027	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,703.34	196.27
		For Each LF Of Cut-Off Section, Add	68.13	
33 42 13 13-0028	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,703.34	196.27
		For Each LF Of Cut-Off Section, Add	68.13	
33 42 13 13-0029	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,703.34	196.27
		For Each LF Of Cut-Off Section, Add	68.13	
33 42 13 13-0030	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,703.34	196.27
		For Each LF Of Cut-Off Section, Add	68.13	
33 42 13 13-0031	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,482.40	224.31
		For Each LF Of Cut-Off Section, Add	99.30	
33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,453.04	224.31
		For Each LF Of Cut-Off Section, Add	138.12	

		Utilities	33	33
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	
MINOR	TOTAL DIRECT	DEMOLITION		
CSI UOM DESCRIPTION	UNIT COST	UNIT COST		

33 42 13 13-0033

Precast Reinforced Concrete Box Culvert For Roadways (33 42 13 13)

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0899 for crane lifting equipment.

33 42 13 13-0034	LF 3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,126.21	56.07
	For Each LF Of Cut-Off Section, Add	45.05	
33 42 13 13-0035	LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,210.97	56.07
	For Each LF Of Cut-Off Section, Add	48.44	
33 42 13 13-0036	LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,360.96	56.07
	For Each LF Of Cut-Off Section, Add	54.44	
33 42 13 13-0037	LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,538.69	70.10
	For Each LF Of Cut-Off Section, Add	61.55	
33 42 13 13-0038	LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,688.69	70.10
	For Each LF Of Cut-Off Section, Add	67.55	
33 42 13 13-0039	LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,838.69	70.10
	For Each LF Of Cut-Off Section, Add	73.55	
33 42 13 13-0040	LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,694.24	72.89
	For Each LF Of Cut-Off Section, Add	67.77	
33 42 13 13-0041	LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,844.24	72.89
	For Each LF Of Cut-Off Section, Add	73.77	
33 42 13 13-0042	LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,144.24	72.89
	For Each LF Of Cut-Off Section, Add	85.77	
33 42 13 13-0043	LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,016.45	84.11
	For Each LF Of Cut-Off Section, Add	80.66	
33 42 13 13-0044	LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,376.35	114.39
	For Each LF Of Cut-Off Section, Add	95.05	
33 42 13 13-0045	LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,844.24	72.89
	For Each LF Of Cut-Off Section, Add	73.77	
33 42 13 13-0046	LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,016.45	84.11
	For Each LF Of Cut-Off Section, Add	80.66	
33 42 13 13-0047	LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,166.45	84.11
	For Each LF Of Cut-Off Section, Add	86.66	
33 42 13 13-0048	LF 8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,371.91	112.15
	For Each LF Of Cut-Off Section, Add	94.88	
33 42 13 13-0049	LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,521.91	112.15
	For Each LF Of Cut-Off Section, Add	100.88	
33 42 13 13-0050	LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,877.42	140.19
	For Each LF Of Cut-Off Section, Add	115.10	
33 42 13 13-0051	LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,546.46	112.15
	For Each LF Of Cut-Off Section, Add	101.86	
33 42 13 13-0052	LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,922.56	140.19
	For Each LF Of Cut-Off Section, Add	116.90	
33 42 13 13-0053	LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,889.92	140.19
	For Each LF Of Cut-Off Section, Add	115.60	
33 42 13 13-0054	LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,068.03	140.19
	For Each LF Of Cut-Off Section, Add	122.72	
33 42 13 13-0055	LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,301.64	168.23
	For Each LF Of Cut-Off Section, Add	132.07	
33 42 13 13-0056	LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,479.75	168.23
	For Each LF Of Cut-Off Section, Add	139.19	
33 42 13 13-0057	LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,657.89	168.23
	For Each LF Of Cut-Off Section, Add	146.32	
33 42 13 13-0058	LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,836.00	168.23
	For Each LF Of Cut-Off Section, Add	153.44	
33 42 13 13-0059	LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,830.91	196.27
	For Each LF Of Cut-Off Section, Add	153.24	
33 42 13 13-0060	LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	4,033.37	196.27
	For Each LF Of Cut-Off Section, Add	161.33	
33 42 13 13-0061	LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,438.35	196.27
	For Each LF Of Cut-Off Section, Add	177.53	
33 42 13 13-0062	LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,843.34	196.27
	For Each LF Of Cut-Off Section, Add	193.73	
33 42 13 13-0063	LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,798.80	224.31
	For Each LF Of Cut-Off Section, Add	231.95	
33 42 13 13-0064	LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,328.72	224.31
	For Each LF Of Cut-Off Section, Add	293.15	

33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42 23)

33 42 23 00-0001

Headwalls (33 42 23)

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002

Cast In Place Concrete Headwalls (33 42 23 00-0001)

Note: Includes concrete, forms, rebar (where required), finish and curing.

33 42 23 00-0003

Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002)

Note: Sized by pipe diameter.

33 42 23 00-0004	EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,659.52	741.36
33 42 23 00-0005	EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,090.25	790.79
33 42 23 00-0006	EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,731.39	1,035.82
33 42 23 00-0007	EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,272.27	1,482.73
33 42 23 00-0008	EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,938.75	1,976.97
33 42 23 00-0009	EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,198.70	2,605.87
33 42 23 00-0010	EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,906.94	3,594.47
33 42 23 00-0011	EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,779.32	4,236.33
33 42 23 00-0012	EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	14,169.16	5,157.37
33 42 23 00-0013	EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	17,000.41	6,243.06

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 23 00-0014	Precast Concrete Headwalls (33 42 23 00-0001)		
33 42 23 00-0015	EA 12" Pipe, Precast Concrete Headwall	910.63	187.95
33 42 23 00-0016	EA 15" Pipe, Precast Concrete Headwall	941.95	198.39
33 42 23 00-0017	EA 18" Pipe, Precast Concrete Headwall	1,036.74	225.53
33 42 23 00-0018	EA 24" Pipe, Precast Concrete Headwall	1,145.47	240.16
33 42 23 00-0019	EA 30" Pipe, Precast Concrete Headwall	1,539.39	281.92
33 42 23 00-0020	EA 36" Pipe, Precast Concrete Headwall	1,728.97	292.36
33 42 23 00-0021	EA 42" Pipe, Precast Concrete Headwall	2,278.78	346.10
33 42 23 00-0022	EA 48" Pipe, Precast Concrete Headwall	2,516.42	381.32
33 42 23 00-0023	EA 54" Pipe, Precast Concrete Headwall	2,777.51	403.74
33 42 23 00-0024	EA 60" Pipe, Precast Concrete Headwall	3,152.31	403.74
33 42 23 00-0025	EA 72" Pipe, Precast Concrete Headwall	3,812.20	504.68
33 42 23 00-0026	EA 84" Pipe, Precast Concrete Headwall	5,404.26	605.62

33 42 23 00-0027	Precast Concrete Wingwalls (33 42 23 00-0001)		
33 42 23 00-0028	EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall	5,689.85	1,998.55
	Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0029	EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall	6,026.31	2,220.61
	Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0030	EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall	6,587.07	2,590.71
	Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0031	EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall	7,147.83	2,960.81
	Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0032	EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall	7,147.83	2,960.81
	Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0033	EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall	7,372.14	3,108.86
	Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0034	EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall	12,752.43	3,182.88
	Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0035	EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall	13,088.89	3,404.94
	Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		

33 42 23 00-0036	Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)		
33 42 23 00-0037	EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,750.57	785.06

33 42 26 End Sections for Stormwater Piping (33 42)**33 42 26 16 Corrugated Metal End Sections for Stormwater Piping** (33 42 26)

33 42 26 16-0001	Corrugated Metal Pipe End Sections (33 42 26 16)		
33 42 26 16-0002	Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0003	Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
	Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	321.69	73.09
33 42 26 16-0005	EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	376.13	78.31
33 42 26 16-0006	EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	442.52	83.54
33 42 26 16-0007	EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	540.11	91.36
33 42 26 16-0008	EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	599.19	99.20

33 42 26 16-0009	Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
	Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	986.56	112.25
33 42 26 16-0011	EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,286.53	134.58
33 42 26 16-0012	EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,997.21	157.01
33 42 26 16-0013	EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,444.85	179.45
33 42 26 16-0014	EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,908.14	224.31
33 42 26 16-0015	EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,393.30	269.16

33 42 26 16-0016	Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)		
	Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	337.37	73.09
33 42 26 16-0018	EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	392.26	78.31
33 42 26 16-0019	EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	467.31	83.54
33 42 26 16-0020	EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	569.88	91.36
33 42 26 16-0021	EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	632.93	99.20
33 42 26 16-0022	EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,090.19	112.25
33 42 26 16-0023	EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,416.15	134.58
33 42 26 16-0024	EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,278.19	157.01
33 42 26 16-0025	EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,807.47	179.45
33 42 26 16-0026	EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,274.84	224.31
33 42 26 16-0027	EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,554.73	269.16
33 42 26 16-0028	EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,129.96	403.74
33 42 26 16-0029	EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,976.81	538.33
33 42 26 16-0030	EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,513.85	577.58
33 42 26 16-0031	EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	7,064.37	616.83

			Utilities	33	33
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	
			TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	

33 42 26 16-0032	Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33)				
	42 26 16-0002				
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	43.41		
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	48.60		
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	54.97		
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	59.80		
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	67.03		
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	118.44		
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	127.41		
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	175.90		
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	187.99		
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	230.01		
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	235.18		
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	250.06		
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	281.45		
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	315.04		
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	322.10		
33 42 26 16-0048	Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0001)				
33 42 26 16-0049	Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)				
	Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.				
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	376.13		78.31
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	442.52		83.54
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	540.11		91.36
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	599.19		99.20
33 42 26 16-0054	Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)				
	Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.				
33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	362.59		78.31
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	417.48		83.54
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	468.43		91.36
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	530.74		99.20
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	791.44		112.25
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,170.21		134.58
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,842.95		157.01
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,342.07		179.45
33 42 26 16-0063	Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)				
	Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.				
33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	369.46		78.31
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	432.42		83.54
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	491.78		91.36
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	558.42		99.20
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	838.48		112.25
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,234.37		134.58
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,945.59		157.01
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,460.18		179.45
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,956.67		224.31
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,897.21		269.16
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,428.01		403.74
33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,972.83		538.33
33 42 26 16-0076	Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section (33 42 26 16-0048)				
33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	48.60		
33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	54.97		
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	59.80		
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	67.03		
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	118.44		
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	127.41		
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	175.90		
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	195.76		
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	230.01		
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	238.27		
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	275.25		
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	309.17		
33 42 26 16-0089	Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)				
33 42 26 16-0090	Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)				
33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	503.94		73.09
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	583.64		78.31
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	696.47		83.54
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	869.33		91.36
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,145.19		99.20
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,735.03		112.25
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,370.55		134.58
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,966.82		134.58
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,791.10		157.01

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	5,432.58	179.45
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	6,005.22	224.31
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,110.10	269.16
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,138.21	403.74
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,656.35	538.33
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,643.55	577.58
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,282.51	616.83
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	16,886.21	672.92
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	18,701.42	728.99

33 42 26 16-0109 Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0089)

33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	78.90	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	83.82	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	91.25	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	103.04	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	109.13	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	140.94	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	167.32	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	177.28	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	194.52	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	219.92	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	260.60	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	370.17	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	396.40	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	497.54	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	537.82	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	572.86	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	609.81	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	647.03	

33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)
33 42 26 16-0129 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0128)

33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	602.92	78.31
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	743.45	83.54
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	807.02	91.36
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	870.55	99.20
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,323.07	112.25
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,397.95	134.58
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,549.13	134.58
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,418.23	157.01
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,287.37	179.45
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,044.65	224.31
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,309.49	269.16
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,267.65	403.74
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,820.65	538.33
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	13,963.57	577.58
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	14,567.70	616.83
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	15,878.63	672.92
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,813.74	728.99

33 42 26 16-0147 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0128)

33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	83.82	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	91.25	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	96.07	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	105.30	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	119.04	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	154.73	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	170.61	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	194.52	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	219.92	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	260.60	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	334.85	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	425.96	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	571.46	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	650.34	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	680.18	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	703.99	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	733.54	

33 42 26 16-0165 Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)
33 42 26 16-0166 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)

33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	788.01	78.31
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,024.05	83.54
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,259.72	91.36
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,512.42	99.20
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,596.22	112.25
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	2,093.70	134.58
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	3,343.75	157.01

		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

33 42 26 16-0174	3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)			
	Note: Includes nut and bolt set.			
33 42 26 16-0175	EA 3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	570.55		
33 42 26 16-0176	EA 3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	1,163.85		
33 42 26 16-0177	EA 3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	1,277.26		
33 42 26 16-0178	EA 3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	1,326.77		
33 42 26 16-0179	6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)			
33 42 26 16-0180	EA 15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	827.16		78.31
33 42 26 16-0181	EA 18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,094.48		83.54
33 42 26 16-0182	EA 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,466.96		91.36
33 42 26 16-0183	EA 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,727.81		99.20
33 42 26 16-0184	EA 30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,053.46		112.25
33 42 26 16-0185	EA 36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,497.28		134.58
33 42 26 16-0186	EA 42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	3,848.70		157.01
33 42 26 16-0187	3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)			
	Note: Includes nut and bolt set.			
33 42 26 16-0188	EA 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	1,125.35		
33 42 26 16-0189	EA 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	1,192.56		
33 42 26 16-0190	EA 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	1,311.20		
33 42 26 16-0191	EA 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,373.75		
33 42 26 16-0192	Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42 26 16-0165)			
33 42 26 16-0193	EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	94.19		
33 42 26 16-0194	EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	106.30		
33 42 26 16-0195	EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	115.75		
33 42 26 16-0196	EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	129.48		
33 42 26 16-0197	EA Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	199.25		
33 42 26 16-0198	EA Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	213.90		
33 42 26 16-0199	EA Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	289.56		
33 42 26 16-0200	Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26 16-0001)			
33 42 26 16-0201	4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)			
33 42 26 16-0202	EA 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	941.58		83.54
33 42 26 16-0203	EA 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,188.67		91.36
33 42 26 16-0204	EA 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,411.80		99.20
33 42 26 16-0205	EA 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	2,700.90		112.25
33 42 26 16-0206	3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0200)			
	Note: Includes nut and bolt set.			
33 42 26 16-0207	EA 3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	682.45		
33 42 26 16-0208	EA 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	1,260.02		
33 42 26 16-0209	EA 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	1,326.77		
33 42 26 16-0210	EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,962.07		
33 42 26 16-0211	Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)			
33 42 26 16-0212	EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	95.05		
33 42 26 16-0213	EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	108.23		
33 42 26 16-0214	EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	118.01		
33 42 26 16-0215	EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	139.39		
33 42 26 19	Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping (33 42 26)			
33 42 26 19-0001	Corrugated High-Density Polyethylene (HDPE) Pipe End Sections (33 42 26 19)			
33 42 26 19-0002	EA 4" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	60.00		21.26
33 42 26 19-0003	EA 6" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	109.20		31.91
33 42 26 19-0004	EA 8" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	147.14		39.87
33 42 26 19-0005	EA 10" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	232.07		63.80
33 42 26 19-0006	EA 12" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	274.27		71.78
33 42 26 19-0007	EA 15" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	291.43		77.10
33 42 26 19-0008	EA 18" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	344.96		85.08
33 42 26 19-0009	EA 24" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	442.75		101.02
33 42 26 19-0010	EA 30" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	881.91		114.32
33 42 26 19-0011	EA 36" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	1,071.82		127.61

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST
33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)**33 42 26 23-0001 Precast Concrete End Sections (33 42 26 23)****33 42 26 23-0002 Precast Concrete End Sections (33 42 26 23-0001)**

33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	741.95	122.48
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	996.39	151.61
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	1,233.56	191.91
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,415.32	229.51
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,503.53	265.63
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,893.70	334.21
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	2,346.62	501.99
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,897.08	633.43
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	3,504.50	794.60
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	3,840.37	896.09
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	4,188.33	1,003.76
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	4,545.05	1,115.91
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	4,524.46	890.14
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	5,179.18	1,112.65
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	6,155.71	1,390.82
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	7,283.10	1,668.98

33 42 26 23-0019 Flared Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	935.04	130.66
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	1,125.94	162.85
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,366.76	206.14
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,561.56	246.51
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,905.74	285.32
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	2,296.24	455.67
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	2,386.26	627.37
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	3,225.13	791.79
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	3,869.34	993.44
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	4,185.98	1,120.40
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	4,682.03	1,254.87
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	5,187.40	1,393.83

33 42 26 23-0032 Elliptical Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0033	EA	14" x 23" Elliptical Precast Concrete End Section	1,631.07	206.14
33 42 26 23-0034	EA	18" x 24" Elliptical Precast Concrete End Section	1,859.43	246.51
33 42 26 23-0035	EA	19" x 30" Elliptical Precast Concrete End Section	2,275.08	285.32
33 42 26 23-0036	EA	22" x 34" Elliptical Precast Concrete End Section	2,699.27	455.67
33 42 26 23-0037	EA	24" x 38" Elliptical Precast Concrete End Section	2,747.30	627.37
33 42 26 23-0038	EA	27" x 42" Elliptical Precast Concrete End Section	3,240.76	709.93
33 42 26 23-0039	EA	29" x 45" Elliptical Precast Concrete End Section	3,734.22	791.79
33 42 26 23-0040	EA	34" x 53" Elliptical Precast Concrete End Section	4,463.83	993.44
33 42 26 23-0041	EA	38" x 60" Elliptical Precast Concrete End Section	4,811.93	1,120.40
33 42 26 23-0042	EA	43" x 68" Elliptical Precast Concrete End Section	5,381.54	1,254.87
33 42 26 23-0043	EA	48" x 76" Elliptical Precast Concrete End Section	5,960.87	1,393.83

33 42 26 23-0044 Mitered Precast Concrete End Sections (33 42 26 23-0001)

33 42 26 23-0045	EA	12" Round Mitered Precast Concrete End Sections	533.10	130.66
33 42 26 23-0046	EA	15" Round Mitered Precast Concrete End Sections	580.22	162.85
33 42 26 23-0047	EA	18" Round Mitered Precast Concrete End Sections	699.26	206.14
33 42 26 23-0048	EA	24" Round Mitered Precast Concrete End Sections	1,013.00	285.32
33 42 26 23-0049	EA	12" x 18" Elliptical Mitered Precast Concrete End Sections	622.48	162.85
33 42 26 23-0050	EA	14" x 23" Elliptical Mitered Precast Concrete End Sections	774.38	206.14
33 42 26 23-0051	EA	19" x 30" Elliptical Mitered Precast Concrete End Sections	1,104.55	285.32

33 42 31 Stormwater Area Drains and Inlets (33 42)**33 42 31 00-0001 Storm Drains (33 42 31)**

See CSI section 33 05 61 00-0001 for manhole structures.

33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001)

Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0002)

Note: Inside dimensions.

33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)

33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,935.86	364.64
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,310.09	427.25
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,684.32	489.74
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,058.55	552.35
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,432.77	614.84

33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)

33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,466.91	362.45
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,057.96	483.26
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,912.43	658.99
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,759.22	768.83

		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,437.65	878.65
33 42 31 00-0016		4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)		
33 42 31 00-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,650.31	395.39
33 42 31 00-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,670.49	549.16
33 42 31 00-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,494.00	713.90
33 42 31 00-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,189.92	823.74
33 42 31 00-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	6,584.89	1,054.39
33 42 31 00-0022		Cast In Place, Catch Basin (33 42 31 00-0002)		
33 42 31 00-0023		Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023		3' x 3', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,424.88	440.86
33 42 31 00-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,572.43	468.76
33 42 31 00-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,812.01	503.47
33 42 31 00-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,159.14	557.29
33 42 31 00-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,408.06	593.20
33 42 31 00-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,569.89	622.09
33 42 31 00-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,819.02	658.00
33 42 31 00-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,976.56	687.00
33 42 31 00-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,228.04	722.81
33 42 31 00-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,387.51	751.80
33 42 31 00-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,636.53	787.72
33 42 31 00-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	579.59	98.41
33 42 31 00-0036		3'-6" x 3'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,790.91	509.62
33 42 31 00-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,978.05	545.42
33 42 31 00-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,227.40	581.34
33 42 31 00-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,633.24	643.84
33 42 31 00-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,906.64	684.47
33 42 31 00-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,092.73	718.19
33 42 31 00-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,370.20	758.83
33 42 31 00-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,556.29	792.55
33 42 31 00-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,831.95	833.18
33 42 31 00-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,017.51	866.90
33 42 31 00-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,293.27	907.54
33 42 31 00-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	661.68	113.46
33 42 31 00-0049		4' x 4', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,183.12	582.99
33 42 31 00-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,380.03	620.01
33 42 31 00-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,666.61	663.82
33 42 31 00-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,131.83	735.11
33 42 31 00-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,433.68	780.47
33 42 31 00-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,645.76	819.02
33 42 31 00-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,947.60	864.38
33 42 31 00-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,160.22	902.93
33 42 31 00-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,462.07	948.29
33 42 31 00-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,674.15	986.84
33 42 31 00-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,976.00	1,032.30
33 42 31 00-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	746.96	129.05
33 42 31 00-0062		4'-6" x 4'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,692.84	676.01
33 42 31 00-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,924.28	714.24
33 42 31 00-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,243.67	763.66
33 42 31 00-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,774.49	844.71
33 42 31 00-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,111.63	895.90
33 42 31 00-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,359.12	940.16
33 42 31 00-0069	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,695.74	991.34
33 42 31 00-0070	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,943.22	1,035.71
33 42 31 00-0071	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,280.38	1,086.89
33 42 31 00-0072	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,525.49	1,131.15
33 42 31 00-0073	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,864.46	1,182.34
33 42 31 00-0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	858.11	147.83
33 42 31 00-0075		5' x 5', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0076	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	4,752.07	857.46
33 42 31 00-0077	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,343.46	947.52
33 42 31 00-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,709.49	1,003.64
33 42 31 00-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,983.51	1,052.84
33 42 31 00-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,345.37	1,108.86
33 42 31 00-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,621.74	1,158.07
33 42 31 00-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,985.42	1,214.19
33 42 31 00-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,257.61	1,263.40
33 42 31 00-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,623.66	1,319.41
33 42 31 00-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,334.01	164.97

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 31 00-0086	5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0087	EA 4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	5,285.37	956.20
33 42 31 00-0088	EA 4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,173.04	1,082.41
33 42 31 00-0089	EA 5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,580.59	1,144.78
33 42 31 00-0090	EA 5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,896.10	1,200.68
33 42 31 00-0091	EA 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,305.48	1,263.50
33 42 31 00-0092	EA 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,623.36	1,319.41
33 42 31 00-0093	EA 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,030.90	1,382.23
33 42 31 00-0094	EA 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,346.42	1,438.14
33 42 31 00-0095	EA 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,753.97	1,500.96
33 42 31 00-0096	VLF >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,094.24	187.59

33 42 31 00-0097	6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0098	EA 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin.....	5,847.15	1,059.54
33 42 31 00-0099	EA 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,825.87	1,198.04
33 42 31 00-0100	EA 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,262.96	1,265.93
33 42 31 00-0101	EA 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,608.57	1,326.87
33 42 31 00-0102	EA 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,043.31	1,394.75
33 42 31 00-0103	EA 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,390.73	1,455.71
33 42 31 00-0104	EA 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,826.00	1,523.58
33 42 31 00-0105	EA 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,171.07	1,584.54
33 42 31 00-0106	EA 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,608.16	1,652.42
33 42 31 00-0107	VLF >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	1,201.08	206.59

33 42 31 00-0108	6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0109	EA 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	6,433.17	1,167.84
33 42 31 00-0110	EA 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,803.90	1,353.02
33 42 31 00-0111	EA 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,286.95	1,428.14
33 42 31 00-0112	EA 5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,680.21	1,496.35
33 42 31 00-0113	EA 6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,163.26	1,571.36
33 42 31 00-0114	EA 6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,556.53	1,639.68
33 42 31 00-0115	EA 7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	10,039.58	1,714.69
33 42 31 00-0116	EA 7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	10,432.84	1,782.90
33 42 31 00-0117	EA 8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	10,917.71	1,858.02
33 42 31 00-0118	VLF >8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,364.66	232.30

33 42 31 00-0119	7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0120	EA 4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin.....	7,046.05	1,280.85
33 42 31 00-0121	EA 4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,547.94	1,482.95
33 42 31 00-0122	EA 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,061.19	1,563.34
33 42 31 00-0123	EA 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,482.95	1,636.71
33 42 31 00-0124	EA 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	9,998.45	1,717.00
33 42 31 00-0125	EA 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,420.21	1,790.48
33 42 31 00-0126	EA 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,933.46	1,870.76
33 42 31 00-0127	EA 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	11,357.58	1,944.24
33 42 31 00-0128	EA 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	11,870.73	2,024.53
33 42 31 00-0129	VLF >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	1,483.90	253.05

33 42 31 00-0130	7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0131	EA 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	8,024.60	1,437.59
33 42 31 00-0132	EA 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,322.28	1,618.15
33 42 31 00-0133	EA 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	9,863.91	1,703.72
33 42 31 00-0134	EA 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	10,318.25	1,782.35
33 42 31 00-0135	EA 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	10,862.13	1,867.91
33 42 31 00-0136	EA 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	11,316.46	1,946.55
33 42 31 00-0137	EA 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	11,858.09	2,032.10
33 42 31 00-0138	EA 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	12,312.42	2,110.75
33 42 31 00-0139	EA 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	12,856.42	2,196.31
33 42 31 00-0140	VLF >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,607.01	274.58

33 42 31 00-0141	8' x 8', Cast In Place, Catch Basins (33 42 31 00-0022)		
33 42 31 00-0142	EA 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin.....	8,722.94	1,564.11
33 42 31 00-0143	EA 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,124.88	1,758.63
33 42 31 00-0144	EA 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	10,697.37	1,849.35
33 42 31 00-0145	EA 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	11,181.90	1,933.26
33 42 31 00-0146	EA 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	11,754.29	2,023.98
33 42 31 00-0147	EA 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	12,234.10	2,107.89
33 42 31 00-0148	EA 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	12,811.20	2,198.61
33 42 31 00-0149	EA 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	13,295.74	2,282.52
33 42 31 00-0150	EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	13,858.37	2,373.25
33 42 31 00-0151	VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	1,733.51	296.65

33 42 31 00-0152	Precast Concrete Catch Basins (33 42 31 00-0002)		
Note: Inside dimensions.			

33 42 31 00-0153	1'-6" Diameter Precast Catch Basins (33 42 31 00-0152)		
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0154	EA		4' Deep, 1'-6" Diameter Precast Catch Basins.....	736.43	228.91
33 42 31 00-0155	EA		6' Deep, 1'-6" Diameter Precast Catch Basins.....	1,024.85	343.37
33 42 31 00-0156	EA		8' Deep, 1'-6" Diameter Precast Catch Basins.....	1,299.10	446.38
33 42 31 00-0157	EA		10' Deep, 1'-6" Diameter Precast Catch Basins.....	1,555.65	527.64
33 42 31 00-0158	EA		12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,916.13	669.56
33 42 31 00-0159	EA		14' Deep, 1'-6" Diameter Precast Catch Basins.....	2,192.18	772.58
33 42 31 00-0160	VLF		Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins.....	152.72	51.50
33 42 31 00-0161 2' Diameter Precast Catch Basins (33 42 31 00-0152)					
33 42 31 00-0162	EA		4' Deep, 2' Diameter Precast Catch Basin.....	839.04	254.67
33 42 31 00-0163	EA		6' Deep, 2' Diameter Precast Catch Basin.....	1,161.23	377.70
33 42 31 00-0164	EA		8' Deep, 2' Diameter Precast Catch Basin.....	1,466.19	497.89
33 42 31 00-0165	EA		10' Deep, 2' Diameter Precast Catch Basin.....	1,750.12	580.87
33 42 31 00-0166	EA		12' Deep, 2' Diameter Precast Catch Basin.....	2,168.74	743.96
33 42 31 00-0167	EA		14' Deep, 2' Diameter Precast Catch Basin.....	2,478.03	858.42
33 42 31 00-0168	VLF		Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin.....	172.68	61.81
33 42 31 00-0169 3' Diameter Precast Catch Basins (33 42 31 00-0152)					
33 42 31 00-0170	EA		4' Deep, 3' Diameter Precast Catch Basin.....	1,106.76	300.45
33 42 31 00-0171	EA		6' Deep, 3' Diameter Precast Catch Basin.....	1,511.13	444.09
33 42 31 00-0172	EA		8' Deep, 3' Diameter Precast Catch Basin.....	1,898.96	586.58
33 42 31 00-0173	EA		10' Deep, 3' Diameter Precast Catch Basin.....	2,364.99	732.52
33 42 31 00-0174	EA		12' Deep, 3' Diameter Precast Catch Basin.....	2,793.78	873.30
33 42 31 00-0175	EA		14' Deep, 3' Diameter Precast Catch Basin.....	3,207.81	1,016.36
33 42 31 00-0176	VLF		Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin.....	220.72	72.60
33 42 31 00-0177 4' Diameter Precast Catch Basins (33 42 31 00-0152)					
33 42 31 00-0178	EA		4' Deep, 4' Diameter Precast Catch Basin.....	1,338.36	334.21
33 42 31 00-0179	EA		6' Deep, 4' Diameter Precast Catch Basin.....	1,741.05	457.82
33 42 31 00-0180	EA		8' Deep, 4' Diameter Precast Catch Basin.....	2,332.69	686.73
33 42 31 00-0181	EA		10' Deep, 4' Diameter Precast Catch Basin.....	2,910.89	858.42
33 42 31 00-0182	EA		12' Deep, 4' Diameter Precast Catch Basin.....	3,441.15	1,030.11
33 42 31 00-0183	EA		14' Deep, 4' Diameter Precast Catch Basin.....	3,954.90	1,201.78
33 42 31 00-0184	VLF		Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin.....	271.47	85.84
33 42 31 00-0185 5' Diameter Precast Catch Basins (33 42 31 00-0152)					
33 42 31 00-0186	EA		4' Deep, 5' Diameter Precast Catch Basin.....	1,801.89	457.82
33 42 31 00-0187	EA		6' Deep, 5' Diameter Precast Catch Basin.....	2,467.90	686.73
33 42 31 00-0188	EA		8' Deep, 5' Diameter Precast Catch Basin.....	3,137.29	915.65
33 42 31 00-0189	EA		10' Deep, 5' Diameter Precast Catch Basin.....	3,837.12	1,144.56
33 42 31 00-0190	EA		12' Deep, 5' Diameter Precast Catch Basin.....	4,526.81	1,373.47
33 42 31 00-0191	EA		14' Deep, 5' Diameter Precast Catch Basin.....	5,268.82	1,602.38
33 42 31 00-0192	VLF		Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin.....	361.19	114.46
33 42 31 00-0193 6' Diameter Precast Catch Basins (33 42 31 00-0152)					
33 42 31 00-0194	EA		4' Deep, 6' Diameter Precast Catch Basin.....	2,636.93	686.73
33 42 31 00-0195	EA		6' Deep, 6' Diameter Precast Catch Basin.....	3,576.36	1,030.11
33 42 31 00-0196	EA		8' Deep, 6' Diameter Precast Catch Basin.....	4,580.88	1,373.47
33 42 31 00-0197	EA		10' Deep, 6' Diameter Precast Catch Basin.....	5,709.19	1,716.84
33 42 31 00-0198	EA		12' Deep, 6' Diameter Precast Catch Basin.....	6,803.71	2,060.20
33 42 31 00-0199	EA		14' Deep, 6' Diameter Precast Catch Basin.....	7,873.36	2,403.57
33 42 31 00-0200	VLF		Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin.....	538.42	171.69
33 42 31 00-0201 Precast Catch Basins Accessories (33 42 31 00-0152)					
33 42 31 00-0202	EA		Single Or Double Wing Slab Top With Throat.....	1,596.59	743.96
33 42 31 00-0203	EA		4' x 4' Weir Box, Precast Catch Basin.....	729.28	91.56
33 42 31 00-0204	EA		4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	410.88	97.29
33 42 31 00-0205	EA		3' Diameter, Up To 6" High, Precast Extension Ring.....	512.71	143.07
			<i>For Each Additional Inch In Height, Add</i>	<i>61.59</i>	
33 42 31 00-0206	EA		4' Diameter, Up To 6" High, Precast Extension Ring.....	604.83	171.69
			<i>For Each Additional Inch In Height, Add</i>	<i>72.17</i>	
33 42 31 00-0207	EA		5' Diameter, Up To 6" High, Precast Extension Ring.....	705.45	200.30
			<i>For Each Additional Inch In Height, Add</i>	<i>84.23</i>	
33 42 31 00-0208	EA		6' Diameter, Up To 6" High, Precast Extension Ring.....	883.77	286.14
			<i>For Each Additional Inch In Height, Add</i>	<i>99.65</i>	
33 42 31 00-0209	EA		Adjust Existing Catch Basin Inlet Grate To Match Grade.....	686.69	
33 42 31 00-0210 Catch Basin Risers (33 42 31 00-0152)					
33 42 31 00-0211	EA		Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser.....	426.12	
33 42 31 00-0212	EA		>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	476.02	
33 42 31 00-0213	EA		>1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	535.37	
33 42 31 00-0214	EA		Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	458.77	
33 42 31 00-0215	EA		>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	512.03	
33 42 31 00-0216	EA		>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	577.80	
33 42 31 00-0217	EA		Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	507.64	
33 42 31 00-0218	EA		>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	554.94	
33 42 31 00-0219	EA		>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	620.93	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 31 00-0220		Cast In Place, Storm Drain Cleanout (33 42 31 00-0002)			
		Note: Inside span.			
33 42 31 00-0221	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,096.99	869.65	
33 42 31 00-0222	EA	6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,830.68	992.44	
33 42 31 00-0223	EA	6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	6,663.24	1,126.32	
33 42 31 00-0224	EA	7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	7,992.10	1,351.15	
33 42 31 00-0225	EA	8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	9,742.77	1,631.23	
33 42 31 00-0226		Precast Concrete Inlet Boxes (33 42 31 00-0002)			
		Note: Inside dimensions.			
33 42 31 00-0227		Precast Concrete Inlet Boxes (33 42 31 00-0226)			
33 42 31 00-0228		24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)			
		Note: Yard inlet.			
33 42 31 00-0229		24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0228)			
33 42 31 00-0230	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box	919.01	80.12	
33 42 31 00-0231	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,079.80	97.29	
33 42 31 00-0232	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,240.60	114.46	
33 42 31 00-0233	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,402.83	132.34	
33 42 31 00-0234		24" x 24" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0228)			
33 42 31 00-0235	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	223.75		
33 42 31 00-0236	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	367.38		
33 42 31 00-0237	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	522.45		
33 42 31 00-0238	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	677.53		
33 42 31 00-0239	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	832.60		
33 42 31 00-0240	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	987.68		
33 42 31 00-0241		22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)			
33 42 31 00-0242		22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0241)			
33 42 31 00-0243	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,870.56	224.31	
33 42 31 00-0244	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,102.72	259.35	
33 42 31 00-0245	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,334.86	294.40	
33 42 31 00-0246	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,567.19	329.53	
33 42 31 00-0247	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,799.51	364.67	
33 42 31 00-0248	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,031.83	399.80	
33 42 31 00-0249	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,264.16	434.93	
33 42 31 00-0250		22" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0241)			
33 42 31 00-0251	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	437.63		
33 42 31 00-0252	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	715.04		
33 42 31 00-0253	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	772.32		
33 42 31 00-0254	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	991.61		
33 42 31 00-0255	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,210.89		
33 42 31 00-0256	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,420.97		
33 42 31 00-0257	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,653.13		
33 42 31 00-0258	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,885.27		
33 42 31 00-0259	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,117.60		
33 42 31 00-0260	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,349.92		
33 42 31 00-0261	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,582.24		
33 42 31 00-0262	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,814.57		
33 42 31 00-0263		30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)			
33 42 31 00-0264		30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0263)			
33 42 31 00-0265	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,797.02	246.74	
33 42 31 00-0266	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,028.81	285.29	
33 42 31 00-0267	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,260.60	323.84	
33 42 31 00-0268	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,492.58	362.49	
33 42 31 00-0269	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,724.56	401.12	
33 42 31 00-0270	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,956.53	439.77	
33 42 31 00-0271	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box	3,188.50	478.42	
33 42 31 00-0272		30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0263)			
33 42 31 00-0273	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	432.78		
33 42 31 00-0274	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	699.56		
33 42 31 00-0275	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	757.90		
33 42 31 00-0276	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	972.02		
33 42 31 00-0277	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,186.15		
33 42 31 00-0278	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,399.15		
33 42 31 00-0279	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,627.85		
33 42 31 00-0280	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,855.45		
33 42 31 00-0281	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,084.15		
33 42 31 00-0282	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,311.73		
33 42 31 00-0283	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,540.44		

				Utilities	33	33
				Stormwater Utilities	33 40	
				Stormwater Conveyance	33 42	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
33 42 31 00-0284	EA		72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,769.14		
33 42 31 00-0285			42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)			
33 42 31 00-0286			42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0285)			
33 42 31 00-0287	EA		36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,142.77	269.16	
33 42 31 00-0288	EA		42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,415.23	312.90	
33 42 31 00-0289	EA		48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,687.69	357.77	
33 42 31 00-0290	EA		54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,959.02	401.50	
33 42 31 00-0291	EA		60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,231.48	446.37	
33 42 31 00-0292	EA		66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,503.93	490.11	
33 42 31 00-0293	EA		72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,775.27	533.85	
33 42 31 00-0294			42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0285)			
33 42 31 00-0295	EA		6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	479.90		
33 42 31 00-0296	EA		12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	791.57		
33 42 31 00-0297	EA		18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	851.58		
33 42 31 00-0298	EA		24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,095.43		
33 42 31 00-0299	EA		30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,339.29		
33 42 31 00-0300	EA		36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,583.14		
33 42 31 00-0301	EA		42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,842.14		
33 42 31 00-0302	EA		48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,101.14		
33 42 31 00-0303	EA		54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,360.14		
33 42 31 00-0304	EA		60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,619.14		
33 42 31 00-0305	EA		66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,878.13		
33 42 31 00-0306	EA		72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	3,137.13		
33 42 31 00-0307			42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0285)			
33 42 31 00-0308	EA		42" x 48" ID, Precast Concrete Inlet Box Top Slab.....	1,212.06	168.23	
33 42 31 00-0309			48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)			
33 42 31 00-0310			48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0309)			
33 42 31 00-0311	EA		36" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,058.89	299.08	
33 42 31 00-0312	EA		42" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,425.31	348.23	
33 42 31 00-0313	EA		48" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,791.72	397.39	
33 42 31 00-0314	EA		54" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,157.76	446.37	
33 42 31 00-0315	EA		60" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,523.82	495.35	
33 42 31 00-0316	EA		66" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,889.88	544.32	
33 42 31 00-0317	EA		72" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	5,255.94	593.30	
33 42 31 00-0318			48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0309)			
33 42 31 00-0319	EA		6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	481.19		
33 42 31 00-0320	EA		12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	779.18		
33 42 31 00-0321	EA		18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,140.74		
33 42 31 00-0322	EA		24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,502.29		
33 42 31 00-0323	EA		30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,845.16		
33 42 31 00-0324	EA		36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,206.72		
33 42 31 00-0325	EA		42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,573.14		
33 42 31 00-0326	EA		48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,939.55		
33 42 31 00-0327	EA		54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,305.60		
33 42 31 00-0328	EA		60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,671.65		
33 42 31 00-0329	EA		66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,037.71		
33 42 31 00-0330	EA		72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,403.77		
33 42 31 00-0331			48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0309)			
33 42 31 00-0332	EA		48" x 54" ID, Precast Concrete Inlet Box Top Slab.....	1,317.45	182.24	
33 42 31 00-0333			48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)			
33 42 31 00-0334			48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0333)			
33 42 31 00-0335	EA		36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,519.07	376.83	
33 42 31 00-0336	EA		42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,919.93	439.79	
33 42 31 00-0337	EA		48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,320.79	502.75	
33 42 31 00-0338	EA		54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,720.95	565.37	
33 42 31 00-0339	EA		60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	5,121.12	627.97	
33 42 31 00-0340	EA		66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	5,521.29	690.59	
33 42 31 00-0341	EA		72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	5,921.45	753.20	
33 42 31 00-0342			48" x 66" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0333)			
33 42 31 00-0343	EA		6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	526.17		
33 42 31 00-0344	EA		12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	832.51		
33 42 31 00-0345	EA		18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,233.06		
33 42 31 00-0346	EA		24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,633.62		
33 42 31 00-0347	EA		30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,002.77		
33 42 31 00-0348	EA		36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,403.33		
33 42 31 00-0349	EA		42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,804.18		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 31 00-0350	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,205.05	
33 42 31 00-0351	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	3,605.21	
33 42 31 00-0352	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	4,005.37	
33 42 31 00-0353	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	4,405.55	
33 42 31 00-0354	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	4,805.71	

33 42 31 00-0355 48" x 66" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0333)

33 42 31 00-0356	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,464.36	204.12
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33 42 31 00-0357 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)**33 42 31 00-0358 42" x 102" ID, Precast Concrete Inlet Boxes (33 42 31 00-0357)**

33 42 31 00-0359	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,399.05	508.04
33 42 31 00-0360	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,905.40	592.16
33 42 31 00-0361	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,411.74	675.16
33 42 31 00-0362	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,916.96	759.27
33 42 31 00-0363	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,423.31	842.26
33 42 31 00-0364	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,928.52	925.26
33 42 31 00-0365	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box	7,435.99	1,009.37

33 42 31 00-0366 42" x 102" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0357)

33 42 31 00-0367	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	701.49	
33 42 31 00-0368	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,091.19	
33 42 31 00-0369	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,589.68	
33 42 31 00-0370	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,088.17	
33 42 31 00-0371	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,554.15	
33 42 31 00-0372	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,052.62	
33 42 31 00-0373	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,558.98	
33 42 31 00-0374	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,065.32	
33 42 31 00-0375	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	4,570.53	
33 42 31 00-0376	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	5,076.89	
33 42 31 00-0377	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	5,582.09	
33 42 31 00-0378	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	6,088.45	

33 42 31 00-0379 42" x 102" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0357)

33 42 31 00-0380	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab	2,009.40	224.31
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33 42 31 00-0381 Frames And Grates For Inlets (33 42 31 00-0226)**33 42 31 00-0382 Inlet Frames And Grates (33 42 31 00-0381)**

33 42 31 00-0383	EA	24" x 24", Heavy-Duty Inlet Grate	424.49	52.21
		Note: For Type A, B, D, or E inlets.		
33 42 31 00-0384	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT).....	551.74	52.21
		Note: For Type A, B, D, or E inlets.		
33 42 31 00-0385	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT).....	551.74	52.21
		Note: Includes legend: Dump No Waste "Drains To Waterways".		
33 42 31 00-0386	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT).....	551.74	52.21
		Note: Legend: Dump No Waste "Drains to Waterways"		
33 42 31 00-0387	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362).....	605.00	52.21
33 42 31 00-0388	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK).....	443.15	104.41
33 42 31 00-0389	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942).....	517.70	104.41
33 42 31 00-0390	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4).....	644.47	130.52
		Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".		
33 42 31 00-0391	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	548.61	130.52
33 42 31 00-0392	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	559.26	130.52
33 42 31 00-0393	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	580.56	130.52
33 42 31 00-0394	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	601.86	130.52
33 42 31 00-0395	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	580.56	130.52
33 42 31 00-0396	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	601.86	130.52
33 42 31 00-0397	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	623.17	130.52
33 42 31 00-0398	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	900.08	130.52
33 42 31 00-0399	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	942.69	130.52
33 42 31 00-0400	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	985.29	130.52
33 42 31 00-0401	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701).....	665.77	130.52
33 42 31 00-0402	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6).....	601.86	130.52
33 42 31 00-0403	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8).....	601.86	130.52
33 42 31 00-0404	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6).....	1,242.78	130.52
33 42 31 00-0405	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8).....	1,242.78	130.52
33 42 31 00-0406	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB).....	500.16	143.57
33 42 31 00-0407	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648).....	702.52	143.57
		Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0408	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848).....	702.52	143.57
		Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0409	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048).....	777.07	143.57
		Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0410	EA	Type B Inlet Frame (US Foundry 5216 FRM).....	894.23	143.57
33 42 31 00-0411	EA	Type D Inlet Frame (US Foundry 2999 FRM).....	766.42	143.57
33 42 31 00-0412	EA	Type B Inlet Frame (Campbell Foundry 2618-0202).....	1,096.60	143.57
33 42 31 00-0413	EA	Type D Inlet Frame (Campbell Foundry 2617-0002).....	968.79	143.57
33 42 31 00-0414	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340).....	1,248.43	208.83

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0415	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342).....	2,015.28	208.83
33 42 31 00-0416	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340).....	1,216.48	208.83
33 42 31 00-0417	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342).....	1,915.17	208.83
33 42 31 00-0418	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340).....	2,043.05	313.24
33 42 31 00-0419	EA	Heavy-Duty Rectangular Frame And Grate (Campbell Foundry 3084).....	2,091.04	417.67
33 42 31 00-0420	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186).....	2,294.47	417.67
33 42 31 00-0421	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198).....	2,294.47	417.67
33 42 31 00-0422	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266).....	2,028.20	417.67
33 42 31 00-0423	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268).....	2,028.20	417.67
33 42 31 00-0424	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198).....	2,379.68	417.67
33 42 31 00-0425 Catch Basin Frames And Covers (33 42 31 00-0001)				
33 42 31 00-0426 Cast Iron Frames And Covers (33 42 31 00-0425)				
33 42 31 00-0427	EA	18" Diameter Cast Iron Catch Basin Frame And Cover.....	1,211.89	114.46
33 42 31 00-0428	EA	22" Diameter Cast Iron Catch Basin Frame And Cover.....	1,547.00	129.34
33 42 31 00-0429	EA	24" Diameter Cast Iron Catch Basin Frame And Cover.....	1,763.72	133.92
33 42 31 00-0430	EA	26" Diameter Cast Iron Catch Basin Frame And Cover.....	1,992.56	155.66
33 42 31 00-0431	EA	28" Diameter Cast Iron Catch Basin Frame And Cover.....	2,352.57	177.40
33 42 31 00-0432	EA	32" Diameter Cast Iron Catch Basin Frame And Cover.....	3,811.62	185.42
33 42 31 00-0433	EA	16" x 16" Cast Iron Catch Basin Frame And Cover.....	2,043.69	140.78
33 42 31 00-0434	EA	18" x 24" Cast Iron Catch Basin Frame And Cover.....	2,682.96	162.53
33 42 31 00-0435	EA	20" x 27" Cast Iron Catch Basin Frame And Cover.....	3,045.88	169.40
33 42 31 00-0436	EA	23" x 23" Cast Iron Catch Basin Frame And Cover.....	2,870.06	169.40
33 42 31 00-0437	EA	24" x 24" Cast Iron Catch Basin Frame And Cover.....	2,965.24	176.26
33 42 31 00-0438	EA	26" x 26" Cast Iron Catch Basin Frame And Cover.....	3,189.34	183.13
33 42 31 00-0439	EA	24" x 36" Cast Iron Catch Basin Frame And Cover.....	3,853.53	196.86
33 42 31 00-0440 Stainless Steel Frame And Cover (33 42 31 00-0425)				
33 42 31 00-0441	EA	24" x 24" Stainless Steel Catch Basin Cover With Filter And Access Cover..... Note: Swalegard Prefilter	9,255.83	196.86
33 42 31 00-0442 Area Yard Drain (33 42 31 00-0001)				
33 42 31 00-0443 Ductile Iron Grates (33 42 31 00-0442)				
Note: Not for traffic loading.				
33 42 31 00-0444	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe.....	162.10	39.87
33 42 31 00-0445	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe.....	197.73	42.54
33 42 31 00-0446	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	452.87	53.17
33 42 31 00-0447	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	541.18	63.80
33 42 31 00-0448 Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)				
33 42 31 00-0449 Type OS Concrete Drainage Inlet Structure (33 42 31 00-0448)				
33 42 31 00-0450	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,849.73	
33 42 31 00-0451	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,311.53	
33 42 31 00-0452	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,740.60	
33 42 31 00-0453	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,136.95	
33 42 31 00-0454	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,500.58	
33 42 31 00-0455	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,831.47	
33 42 31 00-0456	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,574.25	
33 42 31 00-0457	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,665.24	
33 42 31 00-0458	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,672.72	
33 42 31 00-0459	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,598.94	
33 42 31 00-0460	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,491.65	
33 42 31 00-0461	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,313.18	
33 42 31 00-0462	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,063.53	
33 42 31 00-0463 Type OL-7 Concrete Drainage Inlet Structure (33 42 31 00-0448)				
33 42 31 00-0464	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,880.48	
33 42 31 00-0465	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,312.36	
33 42 31 00-0466	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,711.53	
33 42 31 00-0467	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,077.95	
33 42 31 00-0468	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,410.51	
33 42 31 00-0469	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,711.49	
33 42 31 00-0470	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,402.49	
33 42 31 00-0471	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,468.11	
33 42 31 00-0472	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,450.18	
33 42 31 00-0473	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	10,349.85	
33 42 31 00-0474	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	11,220.64	
33 42 31 00-0475	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,020.25	
33 42 31 00-0476	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	12,748.67	
33 42 31 00-0477 Type OL-10 Concrete Drainage Inlet Structure (33 42 31 00-0448)				
33 42 31 00-0478	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,830.38	
33 42 31 00-0479	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,234.94	
33 42 31 00-0480	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,605.64	
33 42 31 00-0481	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,944.74	
33 42 31 00-0482	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	6,249.98	

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 31 00-0483	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,522.48
33 42 31 00-0484	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,230.74
33 42 31 00-0485	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,269.82
33 42 31 00-0486	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,227.63
33 42 31 00-0487	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,101.91
33 42 31 00-0488	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,949.63
33 42 31 00-0489	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,727.32
33 42 31 00-0490	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,432.68

33 42 31 00-0491 Type OL-14 Concrete Drainage Inlet Structure (33 42 31 00-0448)

33 42 31 00-0492	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,184.50
33 42 31 00-0493	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,548.78
33 42 31 00-0494	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,880.32
33 42 31 00-0495	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,179.14
33 42 31 00-0496	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,445.22
33 42 31 00-0497	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,678.58
33 42 31 00-0498	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,404.10
33 42 31 00-0499	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,407.09
33 42 31 00-0500	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,327.70
33 42 31 00-0501	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,165.90
33 42 31 00-0502	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,983.62
33 42 31 00-0503	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,729.01
33 42 31 00-0504	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,403.23

33 42 31 00-0505 Type OL-21 Concrete Drainage Inlet Structure (33 42 31 00-0448)

33 42 31 00-0506	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,933.18
33 42 31 00-0507	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,217.28
33 42 31 00-0508	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,468.67
33 42 31 00-0509	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,687.32
33 42 31 00-0510	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,872.10
33 42 31 00-0511	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	10,025.29
33 42 31 00-0512	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,699.05
33 42 31 00-0513	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,630.98
33 42 31 00-0514	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,480.52
33 42 31 00-0515	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,247.65
33 42 31 00-0516	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,003.94
33 42 31 00-0517	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,687.91
33 42 31 00-0518	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,300.69

33 42 31 00-0519 Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0448)

33 42 31 00-0520	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,709.11
33 42 31 00-0521	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,185.90
33 42 31 00-0522	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,625.12
33 42 31 00-0523	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,028.06
33 42 31 00-0524	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,392.06
33 42 31 00-0525	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,720.91
33 42 31 00-0526	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,558.60
33 42 31 00-0527	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,745.46
33 42 31 00-0528	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,839.68
33 42 31 00-0529	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,840.12
33 42 31 00-0530	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,810.15
33 42 31 00-0531	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,700.13
33 42 31 00-0532	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,508.89

33 42 31 00-0533 Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0448)

33 42 31 00-0534	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,739.86
33 42 31 00-0535	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,185.58
33 42 31 00-0536	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,594.89
33 42 31 00-0537	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,967.79
33 42 31 00-0538	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,303.13
33 42 31 00-0539	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,600.94
33 42 31 00-0540	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,438.62
33 42 31 00-0541	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,597.84
33 42 31 00-0542	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,664.43
33 42 31 00-0543	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,638.39
33 42 31 00-0544	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,584.49
33 42 31 00-0545	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,450.52
33 42 31 00-0546	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,236.50

33 42 31 00-0547 Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0448)

33 42 31 00-0548	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,920.02
33 42 31 00-0549	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,295.96
33 42 31 00-0550	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,644.51
33 42 31 00-0551	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,967.98
33 42 31 00-0552	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,266.34
33 42 31 00-0553	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,537.33

33 42 31 00-0554 Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0448)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0555	EA	3'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,647.62	
33 42 31 00-0556	EA	4'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,070.25	
33 42 31 00-0557	EA	5'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,462.98	
33 42 31 00-0558	EA	6'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,825.77	
33 42 31 00-0559	EA	7'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,158.66	
33 42 31 00-0560	EA	8'	Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,460.47	
33 42 31 00-0561	EA	8'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,039.33	
33 42 31 00-0562	EA	10'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,045.93	
33 42 31 00-0563	EA	12'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,976.77	
33 42 31 00-0564	EA	14'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,831.86	
33 42 31 00-0565	EA	16'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,656.09	
33 42 31 00-0566	EA	18'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,414.89	
33 42 31 00-0567	EA	20'	Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,107.14	
33 42 31 00-0568 Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0448)					
33 42 31 00-0569	EA	3'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,081.71	
33 42 31 00-0570	EA	4'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,452.46	
33 42 31 00-0571	EA	5'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,796.98	
33 42 31 00-0572	EA	6'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,116.39	
33 42 31 00-0573	EA	7'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,408.43	
33 42 31 00-0574	EA	8'	Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,675.37	
33 42 31 00-0575 Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0448)					
33 42 31 00-0576	EA	3'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,566.77	
33 42 31 00-0577	EA	4'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,992.00	
33 42 31 00-0578	EA	5'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,387.32	
33 42 31 00-0579	EA	6'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,751.56	
33 42 31 00-0580	EA	7'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,087.05	
33 42 31 00-0581	EA	8'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,391.46	
33 42 31 00-0582	EA	8'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,004.83	
33 42 31 00-0583	EA	10'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,013.29	
33 42 31 00-0584	EA	12'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,944.86	
33 42 31 00-0585	EA	14'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,800.66	
33 42 31 00-0586	EA	16'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,625.47	
33 42 31 00-0587	EA	18'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,384.85	
33 42 31 00-0588	EA	20'	Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,078.83	
33 42 31 00-0589 Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0448)					
33 42 31 00-0590	EA	3'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,647.62	
33 42 31 00-0591	EA	4'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,070.25	
33 42 31 00-0592	EA	5'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,462.98	
33 42 31 00-0593	EA	6'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,825.77	
33 42 31 00-0594	EA	7'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,158.66	
33 42 31 00-0595	EA	8'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,460.47	
33 42 31 00-0596	EA	8'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,039.33	
33 42 31 00-0597	EA	10'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,045.93	
33 42 31 00-0598	EA	12'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,976.77	
33 42 31 00-0599	EA	14'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,831.86	
33 42 31 00-0600	EA	16'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,656.09	
33 42 31 00-0601	EA	18'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,414.89	
33 42 31 00-0602	EA	20'	Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,107.14	
33 42 31 00-0603 Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0448)					
33 42 31 00-0604	EA	3'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,061.50	
33 42 31 00-0605	EA	4'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,432.62	
33 42 31 00-0606	EA	5'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,778.63	
33 42 31 00-0607	EA	6'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,097.27	
33 42 31 00-0608	EA	7'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,390.81	
33 42 31 00-0609	EA	8'	Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,658.11	
33 42 31 00-0610 Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0448)					
33 42 31 00-0611	EA	3'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,101.92	
33 42 31 00-0612	EA	4'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,472.31	
33 42 31 00-0613	EA	5'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,816.45	
33 42 31 00-0614	EA	6'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,134.37	
33 42 31 00-0615	EA	7'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,426.05	
33 42 31 00-0616	EA	8'	Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,692.62	
33 42 31 00-0617 Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0448)					
33 42 31 00-0618	EA	3'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,516.68	
33 42 31 00-0619	EA	4'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,096.32	
33 42 31 00-0620	EA	5'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,674.98	
33 42 31 00-0621	EA	6'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,133.03	
33 42 31 00-0622	EA	7'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,588.98	
33 42 31 00-0623	EA	8'	Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,004.83	
33 42 31 00-0624 Type GT2 Concrete Drainage Inlet Structure (33 42 31 00-0448)					

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 31 00-0625	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,264.48	
33 42 31 00-0626	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,895.57	
33 42 31 00-0627	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,480.46	
33 42 31 00-0628	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,020.29	
33 42 31 00-0629	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,513.92	
33 42 31 00-0630	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,962.49	
33 42 31 00-0631	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,317.83	
33 42 31 00-0632	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,801.88	
33 42 31 00-0633	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,172.53	
33 42 31 00-0634	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,430.89	
33 42 31 00-0635	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,645.69	
33 42 31 00-0636	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,762.42	
33 42 31 00-0637	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,781.11	

33 42 31 00-0638 Type GT3 Concrete Drainage Inlet Structure (33 42 31 00-0448)

33 42 31 00-0639	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,496.47	
33 42 31 00-0640	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,076.47	
33 42 31 00-0641	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,616.38	
33 42 31 00-0642	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,115.06	
33 42 31 00-0643	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,571.36	
33 42 31 00-0644	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,987.57	

33 42 31 00-0645 Type GT4 Concrete Drainage Inlet Structure (33 42 31 00-0448)

33 42 31 00-0646	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,405.95	
33 42 31 00-0647	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,032.22	
33 42 31 00-0648	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,613.43	
33 42 31 00-0649	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,148.44	
33 42 31 00-0650	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,638.38	
33 42 31 00-0651	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,083.27	
33 42 31 00-0652	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,335.08	
33 42 31 00-0653	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,818.78	
33 42 31 00-0654	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,189.05	
33 42 31 00-0655	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,445.91	
33 42 31 00-0656	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,660.41	
33 42 31 00-0657	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,776.86	
33 42 31 00-0658	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,795.25	

33 42 31 00-0659 Type GO Concrete Drainage Inlet Structure (33 42 31 00-0448)

33 42 31 00-0660	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,506.14	
33 42 31 00-0661	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,913.75	
33 42 31 00-0662	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,292.17	
33 42 31 00-0663	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,641.41	
33 42 31 00-0664	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,961.43	
33 42 31 00-0665	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,253.41	
33 42 31 00-0666	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,849.52	
33 42 31 00-0667	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,826.15	
33 42 31 00-0668	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,727.46	
33 42 31 00-0669	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,555.75	
33 42 31 00-0670	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,355.64	
33 42 31 00-0671	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,090.24	
33 42 31 00-0672	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,761.85	

33 42 31 00-0673 Type GDO Concrete Drainage Inlet Structure (33 42 31 00-0448)

33 42 31 00-0674	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,274.15	
33 42 31 00-0675	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,809.96	
33 42 31 00-0676	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,307.57	
33 42 31 00-0677	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,768.11	
33 42 31 00-0678	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,189.31	
33 42 31 00-0679	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,573.44	
33 42 31 00-0680	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,523.28	
33 42 31 00-0681	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,782.03	
33 42 31 00-0682	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,945.27	
33 42 31 00-0683	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,014.12	
33 42 31 00-0684	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,044.88	
33 42 31 00-0685	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,993.05	
33 42 31 00-0686	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	13,858.61	

33 42 33 Stormwater Curbside Drains and Inlets (33 42)**33 42 33 00-0001 Curb Inlet Frames And Covers (33 42 33)****33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)**

33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	2,570.97	133.92
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	2,746.23	155.66
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	2,861.42	155.66
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	3,132.77	183.13
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	3,091.43	195.72

33 42 36 Stormwater Trench Drains (33 42)

		Utilities	33	CS
		Stormwater Utilities	33 40	
		Stormwater Conveyance	33 42	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

33 42 36 00-0001		Modular Trench Drains (33 42 36)		
		See CSI section 03 31 13 00-0017 for concrete.		
33 42 36 00-0002		Modular Trench Drains (33 42 36 00-0001)		
		Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.		
33 42 36 00-0003		4" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0004		4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains (33 42 36 00-0003)		
33 42 36 00-0005		4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0006	LF	4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain (Zurn Z844-C)	70.88	18.31
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	109.19	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	218.38	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	349.41	
		For Type 304 Stainless Steel Top Veneer Frame, Add	87.35	
		For Aluminum Veneer Bronze Anodized Frame, Add	43.68	
33 42 36 00-0007		Outlet Adapters For 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains (33 42 36 00-0004)		
33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	53.87	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	65.32	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	65.32	
33 42 36 00-0011		6" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0012		6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0013		6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0014	LF	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	223.39	18.31
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	109.19	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	218.38	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	349.41	
		For Type 304 Stainless Steel Top Veneer Frame, Add	87.35	
		For Aluminum Veneer Bronze Anodized Frame, Add	43.68	
33 42 36 00-0015		Outlet Adapters For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	101.51	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	112.96	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	112.96	
33 42 36 00-0019		Other Fittings For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0012)		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.24	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.24	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	930.75	
33 42 36 00-0023	EA	Cross For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,804.27	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	218.38	
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	326.03	18.31
		For Black Acid Resistant Coated Frame, Add	82.98	
		For Galvanized Top Frame Assembly, Add	82.98	
		For Type 304 Stainless Steel Top Frame Assembly, Add	305.73	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	110.24	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	121.69	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	121.69	
33 42 36 00-0032		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.24	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.24	
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	930.75	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,804.27	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.38	
33 42 36 00-0038		6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0011)		

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 42 36 00-0039	6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		
33 42 36 00-0040	LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain.....	422.12	18.31
	For Black Acid Resistant Coated Frame, Add	82.98	
	For Galvanized Top Frame Assembly, Add	82.98	
	For Type 304 Stainless Steel Top Frame Assembly, Add	305.73	
33 42 36 00-0041	Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		
33 42 36 00-0042	EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	180.12	
33 42 36 00-0043	EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	191.57	
33 42 36 00-0044	EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	191.57	
33 42 36 00-0045	Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		
33 42 36 00-0046	EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.24	
33 42 36 00-0047	EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.24	
33 42 36 00-0048	EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	930.75	
33 42 36 00-0049	EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,804.27	
33 42 36 00-0050	EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	218.38	
33 42 36 00-0051	6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0052	6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)		
33 42 36 00-0053	LF 6" Wide, Polymer Concrete, Modular Trench Drain	493.36	
33 42 36 00-0054	Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)		
33 42 36 00-0055	EA Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain.....	195.52	
33 42 36 00-0056	EA No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	238.13	
33 42 36 00-0057	EA No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	75.10	
33 42 36 00-0058	12" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0059	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0058)		
33 42 36 00-0060	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0059)		
33 42 36 00-0061	LF 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain.....	421.60	25.18
	For Acid Resistant Coated Top Frame, Add	113.56	
	For Galvanized Welded Frame Assembly, Add	119.02	
	For Type 304 Stainless Steel Top Frame, Add	681.35	
33 42 36 00-0062	Outlet Adapters For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0059)		
33 42 36 00-0063	EA End Cap For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains.....	209.59	
33 42 36 00-0064	EA No-Hub End Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	224.85	
33 42 36 00-0065	EA No-Hub Bottom Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	224.85	
33 42 36 00-0066	Other Fittings For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0059)		
33 42 36 00-0067	EA Bottom Dome Strainer For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	351.04	
33 42 36 00-0068	EA Joint Connector For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	460.23	
33 42 36 00-0069	EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,835.08	
33 42 36 00-0070	EA Cross For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,582.12	
33 42 36 00-0071	EA Cutting Charges For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains.....	436.76	
33 42 36 00-0072	12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0058)		
33 42 36 00-0073	12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)		
33 42 36 00-0074	LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	530.79	25.18
	For Acid Resistant Coated Top Frame, Add	113.56	
	For Galvanized Welded Frame Assembly, Add	119.02	
	For Type 304 Stainless Steel Top Frame, Add	681.35	
33 42 36 00-0075	Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)		
33 42 36 00-0076	EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.33	
33 42 36 00-0077	EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	233.59	
33 42 36 00-0078	EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	233.59	
33 42 36 00-0079	Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)		
33 42 36 00-0080	EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	351.04	
33 42 36 00-0081	EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	460.23	

			Utilities	33	CS
			Stormwater Utilities	33 40	
			Stormwater Conveyance	33 42	
MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
			UNIT COST	UNIT COST	
33 42 36 00-0082	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,835.08		
33 42 36 00-0083	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,582.12		
33 42 36 00-0084	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	436.76		
33 42 36 00-0085		12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0058)			
33 42 36 00-0086		12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)			
33 42 36 00-0087	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	749.17		25.18
		For Acid Resistant Coated Top Frame, Add	113.56		
		For Galvanized Welded Frame Assembly, Add	119.02		
		For Type 304 Stainless Steel Top Frame, Add	681.35		
33 42 36 00-0088		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)			
33 42 36 00-0089	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	545.90		
33 42 36 00-0090	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	561.16		
33 42 36 00-0091	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	561.16		
33 42 36 00-0092		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)			
33 42 36 00-0093	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	351.04		
33 42 36 00-0094	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	460.23		
33 42 36 00-0095	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,835.08		
33 42 36 00-0096	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,582.12		
33 42 36 00-0097	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	436.76		
33 42 36 00-0098		12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0058)			
33 42 36 00-0099		12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)			
33 42 36 00-0100	LF	12" Wide, Polymer Concrete, Modular Trench Drain	661.72		
33 42 36 00-0101		Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)			
33 42 36 00-0102	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain.....	332.69		
33 42 36 00-0103	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	573.28		
33 42 36 00-0104	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	131.99		
33 42 36 00-0105		23" Wide, Modular Trench Drains (33 42 36 00-0002)			
33 42 36 00-0106		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0105)			
33 42 36 00-0107		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0106)			
33 42 36 00-0108	LF	23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	591.26		34.34
		For Acid Resistant Coated Frame, Add	170.34		
		For Galvanized Frame Assembly, Add	170.34		
		For Type 304 Stainless Steel Top Frame, Add	1,048.22		
33 42 36 00-0109		Outlet Adapters For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0106)			
33 42 36 00-0110	EA	End Cap For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	669.63		
33 42 36 00-0111	EA	No-Hub End Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	975.26		
33 42 36 00-0112	EA	No-Hub Bottom Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	975.26		
33 42 36 00-0113		Other Fittings For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains (33 42 36 00-0106)			
33 42 36 00-0114	EA	Bottom Dome Strainer For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	798.66		
33 42 36 00-0115	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,637.13		
33 42 36 00-0116	EA	Cross For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	7,131.21		
33 42 36 00-0117	EA	Cutting Charges For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains.....	873.52		
33 42 36 00-0118		Modular Trench Drain Grates (33 42 36 00-0001)			
33 42 36 00-0119		4" Wide, Modular Trench Drain Grates (33 42 36 00-0118)			
33 42 36 00-0120	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	45.23		3.44
33 42 36 00-0121	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG).....	47.56		3.44
33 42 36 00-0122	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	38.26		3.44
33 42 36 00-0123	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	102.17		3.44
33 42 36 00-0124	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	38.26		3.44
33 42 36 00-0125	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	102.17		3.44
33 42 36 00-0126		6" Wide, Modular Trench Drain Grates (33 42 36 00-0118)			
33 42 36 00-0127	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	215.37		3.44
33 42 36 00-0128	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate.....	182.40		3.44
33 42 36 00-0129	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	191.57		3.44

33 Utilities**33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 36 00-0130	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	167.33	3.44
33 42 36 00-0131	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	180.43	3.44
33 42 36 00-0132	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	182.62	3.44
33 42 36 00-0133	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate.....	182.62	3.44
33 42 36 00-0134	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate.....	180.43	3.44
33 42 36 00-0135	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	158.60	3.44
33 42 36 00-0136	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate.....	158.60	3.44
33 42 36 00-0137	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	168.64	3.44
33 42 36 00-0138	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	168.64	3.44
33 42 36 00-0139	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate.....	219.74	3.44
33 42 36 00-0140	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	219.74	3.44
33 42 36 00-0141	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	403.18	3.44
33 42 36 00-0142	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate.....	403.18	3.44
33 42 36 00-0143	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	1,123.84	3.44
33 42 36 00-0144	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	149.86	3.44
33 42 36 00-0145	LF	6" Wide, Fiberglass, Modular Trench Drain Grate.....	324.56	3.44

33 42 36 00-0146 12" Wide, Modular Trench Drain Grates (33 42 36 00-0118)

33 42 36 00-0147	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	595.92	3.72
33 42 36 00-0148	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	569.71	3.72
33 42 36 00-0149	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	495.46	3.72
33 42 36 00-0150	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	520.57	3.72
33 42 36 00-0151	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate.....	449.60	3.72
33 42 36 00-0152	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	880.90	3.72
33 42 36 00-0153	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	880.90	3.72
33 42 36 00-0154	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate.....	1,124.40	3.72
33 42 36 00-0155	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	1,124.40	3.72
33 42 36 00-0156	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	1,435.59	3.72
33 42 36 00-0157	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate.....	1,435.59	3.72
33 42 36 00-0158	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate.....	1,362.43	3.72
33 42 36 00-0159	LF	12" Wide, Fiberglass, Modular Trench Drain Grate.....	642.87	3.72

33 42 36 00-0160 23" Wide, Modular Trench Drain Grates (33 42 36 00-0118)

33 42 36 00-0161	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	941.54	4.00
33 42 36 00-0162	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	793.04	4.00
33 42 36 00-0163	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	1,229.80	4.00
33 42 36 00-0164	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	910.96	4.00

33 44 Storm Utility Water Drains (33 40)**33 44 33 Stormwater Trash and Debris Guards (33 44)****33 44 33 00-0001 Storm Water Trash Collection (33 44 33)****33 44 33 00-0002 Trash Racks And Debris Cages For Storm Water Structures (33 44 33 00-0001)****33 44 33 00-0003 High-Density Polyethylene (HDPE) Structural Trash Rack And Debris Cage**

33 44 33 00-0004	EA	30" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack..... Note: For 24" inside diameter concrete pipe.	2,326.59	141.88
33 44 33 00-0005	EA	44" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack..... Note: For 36" inside diameter concrete pipe.	2,742.99	156.07
33 44 33 00-0006	EA	58" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack..... Note: For 48" inside diameter concrete pipe.	3,851.99	177.35
33 44 33 00-0007	EA	72" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack..... Note: For 60" inside diameter concrete pipe.	4,920.39	212.82
33 44 33 00-0008	SF	Up To 4 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack.....	205.15	21.28
33 44 33 00-0009	SF	>4 To 8 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack.....	146.67	17.73
33 44 33 00-0010	SF	>8 To 12 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack.....	116.66	14.19
33 44 33 00-0011	SF	>12 To 20 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack.....	103.31	12.41
33 44 33 00-0012	SF	>20 To 35 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack.....	97.41	10.64
33 44 33 00-0013	SF	>35 To 55 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack.....	88.16	8.89
33 44 33 00-0014	SF	Up To 4 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack.....	249.35	21.28
33 44 33 00-0015	SF	>4 To 8 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack.....	177.43	17.73
33 44 33 00-0016	SF	>8 To 12 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack.....	141.09	14.19
33 44 33 00-0017	SF	>12 To 20 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack.....	125.00	12.41
33 44 33 00-0018	SF	>20 To 35 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack.....	118.22	10.64
33 44 33 00-0019	SF	>35 To 55 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack.....	107.26	8.89

33 44 33 00-0020 Galvanized Steel Structural Trash Rack And Debris Cage (33 44 33 00-0002)

33 44 33 00-0021	EA	30" Diameter Galvanized Steel Pyramid Trash Rack With Baffle..... Note: For 24" inside diameter concrete pipe.	4,080.18	212.82
33 44 33 00-0022	EA	44" Diameter Galvanized Steel Pyramid Trash Rack With Baffle..... Note: For 36" inside diameter concrete pipe.	5,060.63	236.47
33 44 33 00-0023	EA	58" Diameter Galvanized Steel Pyramid Trash Rack With Baffle..... Note: For 48" inside diameter concrete pipe.	5,769.65	264.84
33 44 33 00-0024	EA	72" Diameter Galvanized Steel Pyramid Trash Rack With Baffle..... Note: For 60" inside diameter concrete pipe.	6,402.32	319.22
33 44 33 00-0025	SF	Up To 4 SF Opening Flat Roof Galvanized Steel Trash Rack.....	245.86	31.92
33 44 33 00-0026	SF	>4 To 8 SF Opening Flat Roof Galvanized Steel Trash Rack.....	176.95	26.60
33 44 33 00-0027	SF	>8 To 12 SF Opening Flat Roof Galvanized Steel Trash Rack.....	140.78	21.28
33 44 33 00-0028	SF	>12 To 20 SF Opening Flat Roof Galvanized Steel Trash Rack.....	124.60	18.63
33 44 33 00-0029	SF	>20 To 35 SF Opening Flat Roof Galvanized Steel Trash Rack.....	116.98	15.96

			Utilities	33	CS
			Stormwater Utilities	33 40	
			Storm Utility Water Drains	33 44	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 44 33 00-0030	SF	>35 To 55 SF Opening Flat Roof Galvanized Steel Trash Rack.....	105.53	13.31
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33 44 36 Oil and Stormwater Separators (33 44)

33 44 36 00-0001		Oil/Water Separator (33 44 36) Note: Complete with internal sensors and detectors.		
33 44 36 00-0002		Coalescing Oil Water Separator (33 44 36 00-0001) Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 36 00-0003		Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank. <i>For Interior Polyurethane Coating, Add</i>	19,697.67 711.00	
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank. <i>For Interior Polyurethane Coating, Add</i>	24,079.65 893.70	
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank. <i>For Interior Polyurethane Coating, Add</i>	28,818.84 1,340.10	
33 44 36 00-0007		Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank. <i>For Interior Polyurethane Coating, Add</i>	30,543.98 711.00	
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank. <i>For Interior Polyurethane Coating, Add</i>	35,117.81 893.70	
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank. <i>For Interior Polyurethane Coating, Add</i>	42,863.10 1,340.10	
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank. <i>For Interior Polyurethane Coating, Add</i>	49,872.17 1,550.70	
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank. <i>For Interior Polyurethane Coating, Add</i>	66,206.77 2,057.80	
33 44 36 00-0013		Accessories For Coalescing Oil Water Separators (33 44 36 00-0002)		
33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,223.30	
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	1,663.00	
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	986.53	
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	729.47	
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	247.48	
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,194.52	
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,389.03	
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,583.65	
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	756.15	
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	893.25	
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,786.51	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	3,965.08	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,077.48	
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,404.42	
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,945.59	
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	3,547.95	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	4,563.34	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	5,728.68	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	7,223.93	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,428.83	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,741.59	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,735.56	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,362.43	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,653.76	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,962.24	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	115.68	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	130.67	

33 Utilities**33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 44 36 00-0041		Oil Skimmers (33 44 36)		
33 44 36 00-0042		Oil Skimmers, 12" And 24" Models (33 44 36 00-0041)		
33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,282.64	716.76
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,518.44	716.76
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,304.48	716.76
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,606.86	716.76
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,552.28	716.76
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,752.05	716.76
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,603.58	716.76
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,904.88	716.76
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,014.04	955.89
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,266.21	955.89
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,080.63	955.89
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,443.06	955.89
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,651.56	955.89
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,903.73	955.89
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,705.05	955.89
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	7,068.57	955.89
33 44 36 00-0059		Oil Skimmers, Add-Ons (33 44 36 00-0041)		
33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37	
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57	
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	281.00	
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	329.03	

33 50 Hydrocarbon Utilities (33)**33 52 Hydrocarbon Transmission and Distribution (33 50)****33 52 16 Gas Hydrocarbon Piping (33 52)****33 52 16 13 Steel Natural Gas Piping (33 52 16)**

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001		Gas Distribution Lines (33 52 16 13)		
		Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 52 16 13-0002		Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped (33 52 16 13-0001)		
33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	22.17	3.15
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	25.64	3.46
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	29.60	3.56
33 52 16 13-0006	LF	1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	30.36	3.65
33 52 16 13-0007	LF	1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	31.56	3.69
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	33.41	3.95
33 52 16 13-0009	LF	2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	47.02	4.66
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	58.58	5.87
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	79.43	7.09
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	108.11	8.22
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	136.10	10.03
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	199.08	12.91

33 52 16 13-0015 Gas Line Taps (33 52 16 13-0001)
 Note: Includes material to tap into main and gas valve.

33 52 16 13-0016		Polyethylene, 60 PSI (33 52 16 13-0015)		
33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	2,995.54	
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	3,702.78	
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	3,876.37	
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	5,228.82	
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	8,137.06	

33 52 16 13-0022		Steel, Schedule 40 (33 52 16 13-0015)		
		Note: For punch steel service tee.		
33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,914.78	
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,964.17	
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,032.18	
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,098.01	
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,147.24	
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,425.96	
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,512.24	

33 52 16 13-0030 Protective Pipe And Fitting Wrap (33 52 16 13-0001)
 Note: Includes cleaning and priming pipe.

		Utilities	33	CS
		Hydrocarbon Utilities	33 50	
		Hydrocarbon Transmission and Distribution	33 52	
MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION	
		UNIT COST	UNIT COST	

33 52 16 13-0031	Corrosion Protection Pipe Wrap For Pipe (33 52 16 13-0030)		
Note: Field applied.			
33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	4.06
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	4.27
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	4.51
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	5.06
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	5.42
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	6.23
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	7.59
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	9.42
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	11.89
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....	15.79

33 52 16 13-0042		Corrosion Resistance Wrap And Coat - Fittings		(33 52 16 13-0030)
Note: Field applied.				
33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings		22.24
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings		22.24
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings		27.43
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings		30.94
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings		30.94
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings		36.64
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings		48.89
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings		67.23
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings		68.06
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings		78.38

33 52 16 13-0053	Service Fittings (33 52 16 13-0001)		
33 52 16 13-0054	Brass Fittings (33 52 16 13-0053)		
33 52 16 13-0055	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass.....	41.28
33 52 16 13-0056	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass.....	48.06
33 52 16 13-0057	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass.....	61.16
33 52 16 13-0058	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass.....	76.17
33 52 16 13-0059	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass.....	85.61
33 52 16 13-0060	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass.....	111.97
33 52 16 13-0061	EA	1/2" 90 Degree Elbow, Brass.....	35.57
33 52 16 13-0062	EA	3/4" 90 Degree Elbow, Brass.....	40.98
33 52 16 13-0063	EA	1" 90 Degree Elbow, Brass.....	53.42
33 52 16 13-0064	EA	1-1/4" 90 Degree Elbow, Brass.....	69.43
33 52 16 13-0065	EA	1-1/2" 90 Degree Elbow, Brass.....	79.57
33 52 16 13-0066	EA	2" 90 Degree Elbow, Brass.....	107.00
33 52 16 13-0067	EA	1/2" Diameter Chrome Plated Nipple.....	29.44
33 52 16 13-0068	EA	3/4" Diameter Chrome Plated Nipple.....	37.92
33 52 16 13-0069	EA	1" Diameter Chrome Plated Nipple.....	49.41
33 52 16 13-0070	EA	1-1/4" Diameter Chrome Plated Nipple.....	70.40
33 52 16 13-0071	EA	1-1/2" Diameter Chrome Plated Nipple.....	85.36
33 52 16 13-0072	EA	2" Diameter Chrome Plated Nipple.....	115.07

33 52 16 13-0073	Anodless Gas Riser (33 52 16 13-0053)		
33 52 16 13-0074	EA	3/4" Anodless Gas Riser.....	105.20
33 52 16 13-0075	EA	1" Anodless Gas Riser.....	130.28
33 52 16 13-0076	EA	1-1/4" Anodless Gas Riser.....	153.11
33 52 16 13-0077	EA	1-1/2" Anodless Gas Riser.....	192.14
33 52 16 13-0078	EA	2" Anodless Gas Riser.....	220.94

33 52 16 13-0079	Brass Service Adapter (33 52 16 13-0053)		
33 52 16 13-0080	EA	1/2" Brass Service Adapter.....	74.37
33 52 16 13-0081	EA	3/4" Brass Service Adapter.....	81.83
33 52 16 13-0082	EA	1" Brass Service Adapter.....	97.96
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter.....	116.95
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter.....	138.46
33 52 16 13-0085	EA	2" Brass Service Adapter.....	164.29
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter.....	270.12
33 52 16 13-0087	EA	3" Brass Service Adapter.....	329.49
33 52 16 13-0088	EA	4" Brass Service Adapter.....	471.73

33 52 16 23 Medium Density Polyethylene Piping for Natural Gas (33 52 16)

33 52 16 23-0001		Medium Density Polyethylene (MDPE) Gas Distribution Piping		(33 52 16 23)
Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.				
33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.53	1.96
		For Colors, Add	0.07	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.06	2.10
		For SDR 13.5, Deduct	-0.13	
		For Colors, Add	0.09	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.58	2.25
		For SDR 13.5, Deduct	-0.16	
		For Colors, Add	0.11	

33 Utilities**33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.13	2.39
		For SDR 13.5, Deduct	-0.20	
		For Colors, Add	0.13	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.10	2.87
		For SDR 13.5, Deduct	-0.28	
		For Colors, Add	0.18	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	8.06	3.12
		For SDR 13.5, Deduct	-0.37	
		For SDR 15.5, Deduct	-0.67	
		For Colors, Add	0.24	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	10.30	3.66
		For SDR 13.5, Deduct	-0.61	
		For SDR 15.5, Deduct	-1.12	
		For Colors, Add	0.39	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	12.68	4.35
		For SDR 13.5, Deduct	-0.83	
		For SDR 15.5, Deduct	-1.53	
		For Colors, Add	0.54	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	20.48	4.89
		For SDR 13.5, Deduct	-1.54	
		For SDR 15.5, Deduct	-2.83	
		For Colors, Add	0.99	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	26.08	4.89
		For SDR 13.5, Deduct	-2.13	
		For SDR 15.5, Deduct	-3.92	
		For Colors, Add	1.38	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	31.80	4.89
		For SDR 13.5, Deduct	-2.73	
		For SDR 15.5, Deduct	-5.02	
		For Colors, Add	1.76	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	47.66	6.12
		For SDR 13.5, Deduct	-4.54	
		For SDR 15.5, Deduct	-8.36	
		For Colors, Add	2.93	

33 52 16 26 High-Density Polyethylene (HDPE) Piping for Natural Gas (33 52 16)**33 52 16 26-0001 High-Density Polyethylene (HDPE) Gas Distribution Piping (33 52 16 26)**

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High-Density Polyethylene (HDPE) Gas Distribution Pipe	4.61	1.96
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.18	2.10
		For SDR 13.5, Deduct	-0.15	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.70	2.25
		For SDR 13.5, Deduct	-0.18	
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	6.29	2.39
		For SDR 13.5, Deduct	-0.22	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	7.32	2.87
		For SDR 13.5, Deduct	-0.31	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	8.36	3.12
		For SDR 13.5, Deduct	-0.40	
		For SDR 15.5, Deduct	-0.74	
		For SDR 17, Deduct	-1.08	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	10.80	3.66
		For SDR 13.5, Deduct	-0.67	
		For SDR 15.5, Deduct	-1.23	
		For SDR 17, Deduct	-1.79	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	13.35	4.35
		For SDR 13.5, Deduct	-0.92	
		For SDR 15.5, Deduct	-1.68	
		For SDR 17, Deduct	-2.44	
		For SDR 21, Deduct	-3.34	
33 52 16 26-0010	LF	4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	21.72	4.89
		For SDR 13.5, Deduct	-1.69	
		For SDR 15.5, Deduct	-3.11	
		For SDR 17, Deduct	-4.52	
		For SDR 21, Deduct	-6.18	
33 52 16 26-0011	LF	6" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	34.00	4.89
		For SDR 13.5, Deduct	-3.00	
		For SDR 15.5, Deduct	-5.52	
		For SDR 17, Deduct	-8.02	
		For SDR 21, Deduct	-10.97	
33 52 16 26-0012	LF	8" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	51.33	6.12
		For SDR 13.5, Deduct	-5.00	
		For SDR 15.5, Deduct	-9.19	
		For SDR 17, Deduct	-13.35	
		For SDR 21, Deduct	-18.26	

33 53 Hydrocarbon Utility Pressure Regulation (33 50)**33 53 16 Gas Hydrocarbon Pressure Regulation (33 53)****33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends (33 53 16)**

33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	254.45	20.76
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	259.17	20.76
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	270.47	24.65
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	906.19	28.53
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	965.77	44.19

			Utilities	33	CS
			Hydrocarbon Utilities	33 50	
			Hydrocarbon Utility Pressure Regulation	33 53	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End.....	2,710.93	99.14
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End.....	3,766.47	131.39

33 56 Hydrocarbon Storage (33 50)

33 56 13 Aboveground Hydrocarbon Storage Tanks (33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage (33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering (33 50)

33 59 11 Diaphragm/Bellows Hydrocarbons Meters (33 59)

33 59 11 00-0001 Diaphragm Meters (33 59 11)

Note: With standard direct-digital reading maximum working pressures 5 lb to 100 lb, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 Lb., Direct Digital, Threaded	624.22	81.22
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 Lb., Direct Digital, Threaded	1,226.36	124.22
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	1,441.66	124.22
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 Lb., Direct Digital, Threaded	3,149.44	155.27
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	3,562.57	191.11
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	4,687.80	155.27
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	5,218.02	191.11
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	6,888.22	203.05
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	9,746.67	238.88
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	14,888.13	394.16
		For Temperature And Pressure Compensation, Add	8.40	
		For Pulsers, Add	26.50	

33 59 16 Hydrocarbons Turbine Meters (33 59)

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading (33 59 16)

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	11,944.00	412.60
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	12,788.63	479.16
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	19,785.96	514.37
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	38,466.75	626.18
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	63,471.29	782.72

33 60 Hydronic and Steam Energy Utilities (33)

33 61 Hydronic Energy Distribution (33 60)

33 61 13 Buried Hydronic Energy Distribution (33 61)

33 61 13 13 Prefabricated/Preinsulated Pipe (33 61 13)

Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 33-0001 for excavation, 31 23 16 36-0016 for backfill.

33 61 13 13-0001 Preinsulated Schedule 40 Black Steel Pipe (33 61 13 13)

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 13-0002 Standard Black Steel Carrier Pipe (33 61 13 13-0001)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0003	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	192.89	21.07
		For High-Density Polyethylene (HDPE) Jacket, Add	3.30	
		For Schedule 80 Pipe, Add	32.96	
33 61 13 13-0004	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	211.56	22.73
		For High-Density Polyethylene (HDPE) Jacket, Add	3.62	
		For Schedule 80 Pipe, Add	36.25	
33 61 13 13-0005	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	236.34	24.14
		For High-Density Polyethylene (HDPE) Jacket, Add	4.08	
		For Schedule 80 Pipe, Add	40.83	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 61 13 13-0006	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	253.09	25.50
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.38	
		<i>For Schedule 80 Pipe, Add</i>	43.82	
33 61 13 13-0007	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	265.13	27.06
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.58	
		<i>For Schedule 80 Pipe, Add</i>	45.81	
33 61 13 13-0008	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	293.58	33.46
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.98	
		<i>For Schedule 80 Pipe, Add</i>	49.79	
33 61 13 13-0009	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	323.33	40.84
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.38	
		<i>For Schedule 80 Pipe, Add</i>	53.78	
33 61 13 13-0010	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	407.93	52.00
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.77	
		<i>For Schedule 80 Pipe, Add</i>	67.72	
33 61 13 13-0011	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	518.12	63.70
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.66	
		<i>For Schedule 80 Pipe, Add</i>	86.64	
33 61 13 13-0012	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	602.40	74.62
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	10.06	
		<i>For Schedule 80 Pipe, Add</i>	100.58	
33 61 13 13-0013	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	852.16	90.16
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	14.64	
		<i>For Schedule 80 Pipe, Add</i>	146.39	
33 61 13 13-0014	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,109.04	107.29
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	19.32	
		<i>For Schedule 80 Pipe, Add</i>	193.20	
33 61 13 13-0015	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,381.05	132.05
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	24.10	
		<i>For Schedule 80 Pipe, Add</i>	241.00	

33 61 13 13-0016 Standard Black Steel Carrier Pipe (33 61 13 13-0001)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0017	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	209.38	21.07
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3.63	
		<i>For Schedule 80 Pipe, Add</i>	36.26	
33 61 13 13-0018	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	229.69	22.73
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3.99	
		<i>For Schedule 80 Pipe, Add</i>	39.87	
33 61 13 13-0019	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	256.76	24.14
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.49	
		<i>For Schedule 80 Pipe, Add</i>	44.91	
33 61 13 13-0020	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	275.00	25.50
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.82	
		<i>For Schedule 80 Pipe, Add</i>	48.20	
33 61 13 13-0021	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	288.03	27.06
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.04	
		<i>For Schedule 80 Pipe, Add</i>	50.39	
33 61 13 13-0022	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	318.48	33.46
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.48	
		<i>For Schedule 80 Pipe, Add</i>	54.77	
33 61 13 13-0023	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	350.22	40.84
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
		<i>For Schedule 80 Pipe, Add</i>	59.15	
33 61 13 13-0024	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	441.79	52.00
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.45	
		<i>For Schedule 80 Pipe, Add</i>	74.49	
33 61 13 13-0025	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	561.44	63.70
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.53	
		<i>For Schedule 80 Pipe, Add</i>	95.30	
33 61 13 13-0026	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	652.69	74.62
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.06	
		<i>For Schedule 80 Pipe, Add</i>	110.64	
33 61 13 13-0027	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	925.36	90.16
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	16.10	
		<i>For Schedule 80 Pipe, Add</i>	161.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0028	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,205.63	107.29
			For High-Density Polyethylene (HDPE) Jacket, Add	21.25	
			For Schedule 80 Pipe, Add	212.51	
33 61 13 13-0029	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,501.55	132.05
			For High-Density Polyethylene (HDPE) Jacket, Add	26.51	
			For Schedule 80 Pipe, Add	265.10	
33 61 13 13-0030 Standard Black Steel Carrier Pipe (33 61 13 13-0001)					
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 13-0031	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	217.62	21.07
			For High-Density Polyethylene (HDPE) Jacket, Add	3.79	
			For Schedule 80 Pipe, Add	37.91	
33 61 13 13-0032	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	238.75	22.73
			For High-Density Polyethylene (HDPE) Jacket, Add	4.17	
			For Schedule 80 Pipe, Add	41.69	
33 61 13 13-0033	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	266.96	24.14
			For High-Density Polyethylene (HDPE) Jacket, Add	4.70	
			For Schedule 80 Pipe, Add	46.95	
33 61 13 13-0034	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	285.95	25.50
			For High-Density Polyethylene (HDPE) Jacket, Add	5.04	
			For Schedule 80 Pipe, Add	50.39	
33 61 13 13-0035	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	299.48	27.06
			For High-Density Polyethylene (HDPE) Jacket, Add	5.27	
			For Schedule 80 Pipe, Add	52.68	
33 61 13 13-0036	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	330.93	33.46
			For High-Density Polyethylene (HDPE) Jacket, Add	5.73	
			For Schedule 80 Pipe, Add	57.26	
33 61 13 13-0037	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	363.66	40.84
			For High-Density Polyethylene (HDPE) Jacket, Add	6.18	
			For Schedule 80 Pipe, Add	61.84	
33 61 13 13-0038	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	458.72	52.00
			For High-Density Polyethylene (HDPE) Jacket, Add	7.79	
			For Schedule 80 Pipe, Add	77.88	
33 61 13 13-0039	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	583.10	63.70
			For High-Density Polyethylene (HDPE) Jacket, Add	9.96	
			For Schedule 80 Pipe, Add	99.64	
33 61 13 13-0040	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	677.83	74.62
			For High-Density Polyethylene (HDPE) Jacket, Add	11.57	
			For Schedule 80 Pipe, Add	115.67	
33 61 13 13-0041	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	961.95	90.16
			For High-Density Polyethylene (HDPE) Jacket, Add	16.83	
			For Schedule 80 Pipe, Add	168.35	
33 61 13 13-0042	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,253.93	107.29
			For High-Density Polyethylene (HDPE) Jacket, Add	22.22	
			For Schedule 80 Pipe, Add	222.17	
33 61 13 13-0043	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,561.80	132.05
			For High-Density Polyethylene (HDPE) Jacket, Add	27.71	
			For Schedule 80 Pipe, Add	277.15	
33 61 13 13-0044 Standard Black Steel Carrier Pipe (33 61 13 13-0001)					
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 13-0045	LF		3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	229.98	21.07
			For High-Density Polyethylene (HDPE) Jacket, Add	4.04	
			For Schedule 80 Pipe, Add	40.38	
33 61 13 13-0046	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	252.35	22.73
			For High-Density Polyethylene (HDPE) Jacket, Add	4.44	
			For Schedule 80 Pipe, Add	44.41	
33 61 13 13-0047	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	282.27	24.14
			For High-Density Polyethylene (HDPE) Jacket, Add	5.00	
			For Schedule 80 Pipe, Add	50.02	
33 61 13 13-0048	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	302.38	25.50
			For High-Density Polyethylene (HDPE) Jacket, Add	5.37	
			For Schedule 80 Pipe, Add	53.68	
33 61 13 13-0049	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	316.66	27.06
			For High-Density Polyethylene (HDPE) Jacket, Add	5.61	
			For Schedule 80 Pipe, Add	56.12	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST		
33 61 13 13-0050	LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add For Schedule 80 Pipe, Add	349.60 6.10 61.00		33.46	
33 61 13 13-0051	LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add For Schedule 80 Pipe, Add	383.83 6.59 65.88		40.84	
33 61 13 13-0052	LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add For Schedule 80 Pipe, Add	484.11 8.30 82.95		52.00	
33 61 13 13-0053	LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add For Schedule 80 Pipe, Add	615.58 10.61 106.13		63.70	
33 61 13 13-0054	LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add For Schedule 80 Pipe, Add	715.55 12.32 123.21		74.62	
33 61 13 13-0055	LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add For Schedule 80 Pipe, Add	1,016.85 17.93 179.33		90.16	
33 61 13 13-0056	LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add For Schedule 80 Pipe, Add	1,326.38 23.67 236.66		107.29	
33 61 13 13-0057	LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add For Schedule 80 Pipe, Add	1,652.17 29.52 295.22		132.05	
33 61 13 13-0058	Preinsulated Black Steel Fittings (33 61 13 13) Note: No excavation or backfill.				
33 61 13 13-0059	Elbows (33 61 13 13-0058)				
33 61 13 13-0060	Elbows (33 61 13 13-0059) Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61 13 13-0061	EA 3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	1,384.98 25.11			
33 61 13 13-0062	EA 1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	1,424.52 25.70			
33 61 13 13-0063	EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	1,627.14 29.24			
33 61 13 13-0064	EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	1,796.71 31.90			
33 61 13 13-0065	EA 2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	1,963.97 33.23			
33 61 13 13-0066	EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	2,170.18 34.56			
33 61 13 13-0067	EA 3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	2,511.91 39.88			
33 61 13 13-0068	EA 4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	2,930.98 46.52			
33 61 13 13-0069	EA 5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	3,638.13 59.82			
33 61 13 13-0070	EA 6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	4,076.54 67.94			
33 61 13 13-0071	EA 8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	5,818.05 98.22			
33 61 13 13-0072	EA 10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	7,621.62 125.54			
33 61 13 13-0073	EA 12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	9,922.12 166.16			
33 61 13 13-0074	Elbows (33 61 13 13-0059) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.				
33 61 13 13-0075	EA 3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	1,479.14 26.99			
33 61 13 13-0076	EA 1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... For High-Density Polyethylene (HDPE) Jacket, Add	1,520.89 27.63			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0077	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,736.80	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	31.44	
33 61 13 13-0078	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,916.35	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	34.30	
33 61 13 13-0079	EA		2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,088.59	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	35.72	
33 61 13 13-0080	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,299.79	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	37.15	
33 61 13 13-0081	EA		3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,661.45	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	42.87	
33 61 13 13-0082	EA		4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,105.44	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	50.01	
33 61 13 13-0083	EA		5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,862.44	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	64.30	
33 61 13 13-0084	EA		6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,331.32	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	73.04	
33 61 13 13-0085	EA		8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,186.38	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	105.59	
33 61 13 13-0086	EA		10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,092.41	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	134.96	
33 61 13 13-0087	EA		12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,545.22	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	178.62	
33 61 13 13-0088			Elbows (33 61 13 13-0059) Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0089	EA		3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,573.29	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	28.87	
33 61 13 13-0090	EA		1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,617.26	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	29.55	
33 61 13 13-0091	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,846.47	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	33.63	
33 61 13 13-0092	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,035.98	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	36.69	
33 61 13 13-0093	EA		2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,213.21	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	38.22	
33 61 13 13-0094	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,429.39	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	39.75	
33 61 13 13-0095	EA		3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,811.00	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	45.86	
33 61 13 13-0096	EA		4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,279.91	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	53.50	
33 61 13 13-0097	EA		5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,086.76	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	68.79	
33 61 13 13-0098	EA		6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,586.11	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	78.13	
33 61 13 13-0099	EA		8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,554.70	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	112.95	
33 61 13 13-0100	EA		10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,563.19	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	144.37	
33 61 13 13-0101	EA		12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	11,168.32	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	191.08	
33 61 13 13-0102			Elbows (33 61 13 13-0059) Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0103	EA		3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,667.45	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	30.76	
33 61 13 13-0104	EA		1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,713.64	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	31.48	
33 61 13 13-0105	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,956.13	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	35.82	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
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33 61 13 13-0106	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,155.62
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	39.08
33 61 13 13-0107	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,337.83
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	40.71
33 61 13 13-0108	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,559.00
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	42.34
33 61 13 13-0109	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,960.54
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	48.85
33 61 13 13-0110	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,454.38
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	56.99
33 61 13 13-0111	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,311.07
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	73.28
33 61 13 13-0112	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,840.88
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	83.23
33 61 13 13-0113	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,923.02
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	120.32
33 61 13 13-0114	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,033.98
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	153.79
33 61 13 13-0115	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	11,791.42
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	203.55

33 61 13 13-0116 Tees (33 61 13 13-0058)**33 61 13 13-0117 Tees** (33 61 13 13-0116)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0118	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,058.56
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	37.29
33 61 13 13-0119	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,117.31
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	38.16
33 61 13 13-0120	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,418.55
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	43.43
33 61 13 13-0121	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,670.90
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	47.38
33 61 13 13-0122	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,920.47
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	49.35
33 61 13 13-0123	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,228.56
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	51.32
33 61 13 13-0124	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,737.95
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	59.22
33 61 13 13-0125	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,361.57
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	69.09
33 61 13 13-0126	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,415.75
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	88.83
33 61 13 13-0127	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,064.79
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	100.89
33 61 13 13-0128	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,651.74
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	145.86
33 61 13 13-0129	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	11,340.64
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	186.43
33 61 13 13-0130	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	14,758.55
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	246.75

33 61 13 13-0131 Tees (33 61 13 13-0116)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0132	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,198.39
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	40.08
33 61 13 13-0133	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,260.42
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	41.03
33 61 13 13-0134	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,581.40
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	46.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0135	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,848.56	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	50.93	
33 61 13 13-0136	EA		2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,105.53	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	53.05	
33 61 13 13-0137	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,421.03	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	55.17	
33 61 13 13-0138	EA		3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,960.02	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	63.66	
33 61 13 13-0139	EA		4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,620.66	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	74.27	
33 61 13 13-0140	EA		5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,748.86	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	95.49	
33 61 13 13-0141	EA		6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,443.14	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	108.46	
33 61 13 13-0142	EA		8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,198.70	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	156.79	
33 61 13 13-0143	EA		10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	12,039.76	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	200.41	
33 61 13 13-0144	EA		12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	15,683.86	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	265.25	
33 61 13 13-0145			Tees (33 61 13 13-0116)		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0146	EA		3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,338.21	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	42.88	
33 61 13 13-0147	EA		1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,403.54	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	43.89	
33 61 13 13-0148	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,744.25	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	49.94	
33 61 13 13-0149	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,026.22	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	54.48	
33 61 13 13-0150	EA		2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,290.59	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	56.75	
33 61 13 13-0151	EA		2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,613.49	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	59.02	
33 61 13 13-0152	EA		3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,182.09	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	68.10	
33 61 13 13-0153	EA		4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,879.74	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	79.45	
33 61 13 13-0154	EA		5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,081.97	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	102.15	
33 61 13 13-0155	EA		6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,821.48	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	116.03	
33 61 13 13-0156	EA		8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,745.66	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	167.73	
33 61 13 13-0157	EA		10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	12,738.87	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	214.40	
33 61 13 13-0158	EA		12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	16,609.17	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	283.76	
33 61 13 13-0159			Tees (33 61 13 13-0116)		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0160	EA		3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,478.03	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	45.68	
33 61 13 13-0161	EA		1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,546.65	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	46.75	
33 61 13 13-0162	EA		1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,907.11	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	53.20	
33 61 13 13-0163	EA		1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,203.88	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	58.04	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
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33 61 13 13-0164	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,475.65
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	60.45
33 61 13 13-0165	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,805.95
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	62.87
33 61 13 13-0166	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,404.17
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	72.54
33 61 13 13-0167	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,138.82
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	84.63
33 61 13 13-0168	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,415.08
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	108.82
33 61 13 13-0169	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,199.83
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	123.59
33 61 13 13-0170	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,292.62
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	178.67
33 61 13 13-0171	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	13,437.99
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	228.38
33 61 13 13-0172	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	17,534.47
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	302.27

33 61 13 13-0173 Reducers (33 61 13 13-0058)**33 61 13 13-0174 Reducers** (33 61 13 13-0173)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0175	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,158.63
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	20.84
33 61 13 13-0176	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,192.09
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	21.33
33 61 13 13-0177	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,362.08
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	24.27
33 61 13 13-0178	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,505.29
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	26.48
33 61 13 13-0179	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,651.13
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	27.58
33 61 13 13-0180	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,842.14
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	28.69
33 61 13 13-0181	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,125.31
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	33.10
33 61 13 13-0182	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,474.77
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	38.62
33 61 13 13-0183	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,065.16
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	49.65
33 61 13 13-0184	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,431.32
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	56.39
33 61 13 13-0185	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,892.68
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	81.52
33 61 13 13-0186	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,420.63
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	104.20
33 61 13 13-0187	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,345.89
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	137.91

33 61 13 13-0188 Reducers (33 61 13 13-0173)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0189	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,236.78
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	22.40
33 61 13 13-0190	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,272.08
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	22.93
33 61 13 13-0191	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,453.10
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	26.09
33 61 13 13-0192	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,604.59
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	28.47

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33 61 13 13-0193	EA		2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,754.56	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	29.65	
33 61 13 13-0194	EA		2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,949.71	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	30.84	
33 61 13 13-0195	EA		3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,249.43	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	35.58	
33 61 13 13-0196	EA		4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,619.57	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	41.51	
33 61 13 13-0197	EA		5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,251.34	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	53.37	
33 61 13 13-0198	EA		6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,642.78	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	60.62	
33 61 13 13-0199	EA		8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,198.40	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	87.64	
33 61 13 13-0200	EA		10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,811.39	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	112.02	
33 61 13 13-0201	EA		12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,863.07	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	148.26	

33 61 13 13-0202 Reducers (33 61 13 13-0173)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 13-0203	EA		3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,314.93	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	23.97	
33 61 13 13-0204	EA		1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,352.07	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	24.53	
33 61 13 13-0205	EA		1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,544.13	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	27.91	
33 61 13 13-0206	EA		1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,703.89	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	30.45	
33 61 13 13-0207	EA		2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,858.00	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	31.72	
33 61 13 13-0208	EA		2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,057.29	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	32.99	
33 61 13 13-0209	EA		3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,373.55	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	38.06	
33 61 13 13-0210	EA		4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,764.38	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	44.41	
33 61 13 13-0211	EA		5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,437.52	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	57.10	
33 61 13 13-0212	EA		6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,854.25	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	64.85	
33 61 13 13-0213	EA		8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,504.09	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	93.75	
33 61 13 13-0214	EA		10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,202.14	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	119.83	
33 61 13 13-0215	EA		12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,380.24	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	158.60	

33 61 13 13-0216 Reducers (33 61 13 13-0173)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 13-0217	EA		3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,393.08	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	25.53	
33 61 13 13-0218	EA		1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,432.06	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	26.13	
33 61 13 13-0219	EA		1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,635.15	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	29.73	
33 61 13 13-0220	EA		1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,803.18	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	32.44	
33 61 13 13-0221	EA		2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,961.43	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	33.79	

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33 61 13 13-0222	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,164.86	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	35.14	
33 61 13 13-0223	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,497.68	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	40.55	
33 61 13 13-0224	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,909.19	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	47.30	
33 61 13 13-0225	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,623.70	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	60.82	
33 61 13 13-0226	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,065.71	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	69.08	
33 61 13 13-0227	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,809.79	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	99.86	
33 61 13 13-0228	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,592.89	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	127.65	
33 61 13 13-0229	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,897.41	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	168.94	

33 61 13 13-0230 Preinsulated Type K Copper Pipe (33 61 13 13)
 Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 13-0231 Type K Copper Carrier Pipe (33 61 13 13-0230)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0232	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.53	18.76
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.43	
33 61 13 13-0233	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.92	20.24
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61 13 13-0234	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.75	21.50
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.53	
33 61 13 13-0235	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.51	22.72
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
33 61 13 13-0236	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.90	24.10
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61 13 13-0237	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	77.02	29.81
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61 13 13-0238	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	89.47	36.37
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61 13 13-0239	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	113.44	46.33
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.88	
33 61 13 13-0240	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	141.34	56.73
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.13	
33 61 13 13-0241	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	165.00	66.48
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.31	
33 61 13 13-0242	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	215.49	80.64
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.90	
33 61 13 13-0243	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	268.79	95.57
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2.51	
33 61 13 13-0244	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	332.89	117.62
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3.13	

33 61 13 13-0245 Type K Copper Carrier Pipe (33 61 13 13-0230)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0246	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	51.67	18.76
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61 13 13-0247	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.27	20.24
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
33 61 13 13-0248	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.40	21.50
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.58	
33 61 13 13-0249	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	65.36	22.72
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61 13 13-0250	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	68.87	24.10
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0251	LF		2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	80.26	29.81
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.71	
33 61 13 13-0252	LF		3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	92.96	36.37
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.77	
33 61 13 13-0253	LF		4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	117.84	46.33
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.97	
33 61 13 13-0254	LF		5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	146.97	56.73
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.24	
33 61 13 13-0255	LF		6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	171.53	66.48
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.44	
33 61 13 13-0256	LF		8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	225.00	80.64
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2.09	
33 61 13 13-0257	LF		10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	281.34	95.57
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2.76	
33 61 13 13-0258	LF		12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	348.54	117.62
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3.44	
33 61 13 13-0259 Type K Copper Carrier Pipe (33 61 13 13-0230)					
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 13-0260	LF		3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	52.74	18.76
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.49	
33 61 13 13-0261	LF		1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.45	20.24
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61 13 13-0262	LF		1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.73	21.50
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.61	
33 61 13 13-0263	LF		1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.78	22.72
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61 13 13-0264	LF		2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.36	24.10
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61 13 13-0265	LF		2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	81.88	29.81
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.74	
33 61 13 13-0266	LF		3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	94.71	36.37
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.80	
33 61 13 13-0267	LF		4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	120.04	46.33
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.01	
33 61 13 13-0268	LF		5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	149.78	56.73
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.29	
33 61 13 13-0269	LF		6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	174.80	66.48
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.50	
33 61 13 13-0270	LF		8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	229.76	80.31
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2.19	
33 61 13 13-0271	LF		10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	287.61	95.57
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2.89	
33 61 13 13-0272	LF		12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	356.37	117.62
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3.60	
33 61 13 13-0273 Type K Copper Carrier Pipe (33 61 13 13-0230)					
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 13-0274	LF		3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	54.35	18.76
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
33 61 13 13-0275	LF		1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.21	20.24
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.58	
33 61 13 13-0276	LF		1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.72	21.50
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61 13 13-0277	LF		1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.92	22.72
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61 13 13-0278	LF		2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	72.59	24.10
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 13-0279	LF		2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	84.30	29.81
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.79	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
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33 61 13 13-0280	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	97.33	36.37
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	0.86	
33 61 13 13-0281	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	123.34	46.33
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.08	
33 61 13 13-0282	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	154.00	56.73
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.38	
33 61 13 13-0283	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	179.70	66.48
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	1.60	
33 61 13 13-0284	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	236.89	80.31
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	2.33	
33 61 13 13-0285	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	297.02	95.57
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3.07	
33 61 13 13-0286	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	368.11	117.62
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	3.84	

33 61 13 13-0287 Preinsulated Copper Fittings (33 61 13 13)**33 61 13 13-0288 Elbows (33 61 13 13-0287)****33 61 13 13-0289 Elbows (33 61 13 13-0288)**

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0290	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	356.69	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.88	
33 61 13 13-0291	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	371.15	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.00	
33 61 13 13-0292	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	427.66	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.69	
33 61 13 13-0293	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	485.37	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.20	
33 61 13 13-0294	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	585.94	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.46	
33 61 13 13-0295	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	720.36	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.72	
33 61 13 13-0296	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	838.01	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.75	
33 61 13 13-0297	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	978.05	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.04	
33 61 13 13-0298	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,144.20	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.63	
33 61 13 13-0299	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,251.25	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	13.21	
33 61 13 13-0300	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,743.47	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	19.09	
33 61 13 13-0301	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,389.26	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	24.41	
33 61 13 13-0302	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,018.65	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	32.30	

33 61 13 13-0303 Elbows (33 61 13 13-0288)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0304	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	375.00	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.25	
33 61 13 13-0305	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	389.88	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.37	
33 61 13 13-0306	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	448.98	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.11	
33 61 13 13-0307	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	508.63	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.67	
33 61 13 13-0308	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	610.17	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.94	
33 61 13 13-0309	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	745.56	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.22	

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			Hydronic and Steam Energy Utilities	33 60	
			Hydronic Energy Distribution	33 61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

33 61 13 13-0310	EA		3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	867.08	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.33	
33 61 13 13-0311	EA		4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,011.96	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.72	
33 61 13 13-0312	EA		5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,187.81	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	12.50	
33 61 13 13-0313	EA		6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,300.78	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	14.20	
33 61 13 13-0314	EA		8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,815.07	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	20.53	
33 61 13 13-0315	EA		10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,480.78	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	26.24	
33 61 13 13-0316	EA		12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,139.78	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	34.72	

33 61 13 13-0317 Elbows (33 61 13 13-0288)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0318	EA		3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	393.30	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.61	
33 61 13 13-0319	EA		1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	408.61	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.75	
33 61 13 13-0320	EA		1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	470.30	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.54	
33 61 13 13-0321	EA		1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	531.88	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.13	
33 61 13 13-0322	EA		2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	634.39	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.43	
33 61 13 13-0323	EA		2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	770.75	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.73	
33 61 13 13-0324	EA		3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	896.16	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.92	
33 61 13 13-0325	EA		4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,045.88	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	10.40	
33 61 13 13-0326	EA		5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,231.41	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	13.37	
33 61 13 13-0327	EA		6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,350.59	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	15.19	
33 61 13 13-0328	EA		8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,886.50	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	21.96	
33 61 13 13-0329	EA		10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,571.81	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	28.07	
33 61 13 13-0330	EA		12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,261.26	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	37.15	

33 61 13 13-0331 Elbows (33 61 13 13-0288)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0332	EA		3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	411.60	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.98	
33 61 13 13-0333	EA		1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	427.35	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.12	
33 61 13 13-0334	EA		1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	491.62	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.96	
33 61 13 13-0335	EA		1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	555.14	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.60	
33 61 13 13-0336	EA		2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	658.62	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.91	
33 61 13 13-0337	EA		2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	795.95	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.23	
33 61 13 13-0338	EA		3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	925.23	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.50	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

33 61 13 13-0339	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,079.79
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.08
33 61 13 13-0340	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,275.02
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	14.24
33 61 13 13-0341	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,400.11
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	16.18
33 61 13 13-0342	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,958.10
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	23.39
33 61 13 13-0343	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,663.34
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	29.90
33 61 13 13-0344	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,382.39
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	39.57

33 61 13 13-0345 Tees (33 61 13 13-0287)**33 61 13 13-0346 Tees** (33 61 13 13-0345)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0347	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	531.32
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.25
33 61 13 13-0348	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	552.80
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.42
33 61 13 13-0349	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	637.04
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.44
33 61 13 13-0350	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	723.20
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.21
33 61 13 13-0351	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	873.56
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.59
33 61 13 13-0352	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,074.85
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.98
33 61 13 13-0353	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,251.24
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.51
33 61 13 13-0354	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,460.33
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	13.43
33 61 13 13-0355	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,710.63
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	17.27
33 61 13 13-0356	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,867.67
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	19.61
33 61 13 13-0357	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,599.24
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	28.35
33 61 13 13-0358	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,567.55
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	36.24
33 61 13 13-0359	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,503.74
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	47.97

33 61 13 13-0360 Tees (33 61 13 13-0345)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0361	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	558.50
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.79
33 61 13 13-0362	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	580.62
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.98
33 61 13 13-0363	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	668.70
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.08
33 61 13 13-0364	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	757.73
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.90
33 61 13 13-0365	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	909.54
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	10.31
33 61 13 13-0366	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,112.26
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	10.73
33 61 13 13-0367	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,294.41
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	12.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0368	EA		4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,510.70	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	14.44	
33 61 13 13-0369	EA		5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,775.39	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	18.56	
33 61 13 13-0370	EA		6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,941.22	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	21.08	
33 61 13 13-0371	EA		8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,705.56	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	30.48	
33 61 13 13-0372	EA		10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,703.46	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	38.96	
33 61 13 13-0373	EA		12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,683.62	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	51.56	
33 61 13 13-0374 Tees (33 61 13 13-0345)					
Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 13-0375	EA		3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	585.68	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.34	
33 61 13 13-0376	EA		1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	608.44	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.53	
33 61 13 13-0377	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	700.36	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.71	
33 61 13 13-0378	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	792.27	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	10.59	
33 61 13 13-0379	EA		2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	945.51	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.03	
33 61 13 13-0380	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,149.68	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.47	
33 61 13 13-0381	EA		3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,337.58	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	13.24	
33 61 13 13-0382	EA		4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,561.06	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	15.45	
33 61 13 13-0383	EA		5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,840.14	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	19.86	
33 61 13 13-0384	EA		6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,015.19	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	22.56	
33 61 13 13-0385	EA		8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,810.75	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	32.61	
33 61 13 13-0386	EA		10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,836.67	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	41.68	
33 61 13 13-0387	EA		12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,866.61	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	55.16	
33 61 13 13-0388 Tees (33 61 13 13-0345)					
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.					
33 61 13 13-0389	EA		3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	612.86	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.88	
33 61 13 13-0390	EA		1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	636.26	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.09	
33 61 13 13-0391	EA		1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	732.02	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	10.34	
33 61 13 13-0392	EA		1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	826.80	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.28	
33 61 13 13-0393	EA		2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	981.49	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.75	
33 61 13 13-0394	EA		2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,187.09	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	12.22	
33 61 13 13-0395	EA		3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,380.75	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	14.10	
33 61 13 13-0396	EA		4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,611.43	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	16.45	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
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33 61 13 13-0397	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,904.90
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	21.15
33 61 13 13-0398	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,088.74
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	24.03
33 61 13 13-0399	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,917.08
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	34.73
33 61 13 13-0400	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,972.58
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	44.40
33 61 13 13-0401	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,046.48
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	58.76

33 61 13 13-0402 Reducers (33 61 13 13-0287)**33 61 13 13-0403 Reducers** (33 61 13 13-0402)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0404	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	303.97
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.05
33 61 13 13-0405	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	316.51
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.15
33 61 13 13-0406	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	365.01
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.72
33 61 13 13-0407	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	415.06
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.15
33 61 13 13-0408	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	504.62
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.36
33 61 13 13-0409	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	633.46
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.58
33 61 13 13-0410	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	730.70
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.43
33 61 13 13-0411	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	848.35
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.51
33 61 13 13-0412	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	989.30
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.65
33 61 13 13-0413	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,080.09
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	10.96
33 61 13 13-0414	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,502.40
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	15.85
33 61 13 13-0415	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,065.51
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	20.26
33 61 13 13-0416	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,601.59
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	26.81

33 61 13 13-0417 Reducers (33 61 13 13-0402)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0418	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	319.17
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.36
33 61 13 13-0419	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	332.06
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.46
33 61 13 13-0420	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	382.70
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.07
33 61 13 13-0421	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	434.36
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.53
33 61 13 13-0422	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	524.73
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.76
33 61 13 13-0423	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	654.38
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.99
33 61 13 13-0424	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	754.83
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.92
33 61 13 13-0425	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	876.50
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 13-0426	EA	5"	Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,025.49	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	10.38	
33 61 13 13-0427	EA	6"	Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,121.20	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.78	
33 61 13 13-0428	EA	8"	Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,561.83	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	17.04	
33 61 13 13-0429	EA	10"	Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,141.47	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	21.78	
33 61 13 13-0430	EA	12"	Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,702.13	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	28.82	

33 61 13 13-0431

Reducers (33 61 13 13-0402)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0432	EA	3/4"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	334.36	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61 13 13-0433	EA	1"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	347.61	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61 13 13-0434	EA	1-1/4"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	400.40	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.43	
33 61 13 13-0435	EA	1-1/2"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	453.66	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61 13 13-0436	EA	2"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	544.83	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.17	
33 61 13 13-0437	EA	2-1/2"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	675.29	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.41	
33 61 13 13-0438	EA	3"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	778.96	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
33 61 13 13-0439	EA	4"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	904.65	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
33 61 13 13-0440	EA	5"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,061.69	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.10	
33 61 13 13-0441	EA	6"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,162.54	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	12.61	
33 61 13 13-0442	EA	8"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,620.84	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	18.22	
33 61 13 13-0443	EA	10"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,217.04	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	23.29	
33 61 13 13-0444	EA	12"	Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,802.94	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	30.83	

33 61 13 13-0445

Reducers (33 61 13 13-0402)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 13-0446	EA	3/4"	Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	349.55	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	4.96	
33 61 13 13-0447	EA	1"	Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	363.16	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.08	
33 61 13 13-0448	EA	1-1/4"	Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	418.09	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	5.78	
33 61 13 13-0449	EA	1-1/2"	Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	472.96	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.31	
33 61 13 13-0450	EA	2"	Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	564.94	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.57	
33 61 13 13-0451	EA	2-1/2"	Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	696.20	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	6.83	
33 61 13 13-0452	EA	3"	Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	803.09	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	7.88	
33 61 13 13-0453	EA	4"	Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	932.80	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	9.20	
33 61 13 13-0454	EA	5"	Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,097.88	
			<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	11.82	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
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33 61 13 13-0455	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,203.65	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	13.43	
33 61 13 13-0456	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,680.27	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	19.41	
33 61 13 13-0457	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,293.00	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	24.81	
33 61 13 13-0458	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,903.48	
		<i>For High-Density Polyethylene (HDPE) Jacket, Add</i>	32.84	
33 61 13 13-0459		Preinsulated Ductile Iron Carrier Pipe (33 61 13 13) Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 13-0460		Ductile Iron Carrier Pipe (33 61 13 13-0459) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0461	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	422.86	59.85
33 61 13 13-0462	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	624.03	85.95
33 61 13 13-0463	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	879.93	103.85
33 61 13 13-0464	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	1,143.31	123.58
33 61 13 13-0465	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	1,423.42	152.10
33 61 13 13-0466		Ductile Iron Carrier Pipe (33 61 13 13-0459) Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0467	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	461.83	59.90
33 61 13 13-0468	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	681.92	85.95
33 61 13 13-0469	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	964.19	103.85
33 61 13 13-0470	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	1,254.50	123.58
33 61 13 13-0471	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	1,562.12	152.11
33 61 13 13-0472	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	1,721.92	162.30
33 61 13 13-0473	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	1,967.77	173.89
33 61 13 13-0474	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	2,246.11	185.48
33 61 13 13-0475	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	2,493.68	197.07
33 61 13 13-0476	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	3,010.73	214.46
33 61 13 13-0477		Preinsulated Ductile Iron Fittings (33 61 13 13)		
33 61 13 13-0478		Elbows (33 61 13 13-0477)		
33 61 13 13-0479		Elbows (33 61 13 13-0478) Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0480	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	4,055.22	
33 61 13 13-0481	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	5,718.31	
33 61 13 13-0482	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	8,191.48	
33 61 13 13-0483	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	10,655.32	
33 61 13 13-0484	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	13,937.31	
33 61 13 13-0485		Elbows (33 61 13 13-0478) Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0486	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	4,536.69	
33 61 13 13-0487	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	6,421.40	
33 61 13 13-0488	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	9,207.91	
33 61 13 13-0489	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	11,954.50	
33 61 13 13-0490	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	15,656.83	
33 61 13 13-0491	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	19,170.11	
33 61 13 13-0492	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	22,924.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 13-0493	EA		18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	28,694.44	
33 61 13 13-0494	EA		20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	36,209.17	
33 61 13 13-0495	EA		24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	45,837.86	
33 61 13 13-0496			Tees (33 61 13 13-0477)		
33 61 13 13-0497			Tees (33 61 13 13-0496)		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0498	EA		4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	6,031.08	
33 61 13 13-0499	EA		6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	8,502.82	
33 61 13 13-0500	EA		8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	12,176.28	
33 61 13 13-0501	EA		10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	15,845.69	
33 61 13 13-0502	EA		12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	20,721.11	
33 61 13 13-0503			Tees (33 61 13 13-0496)		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0504	EA		4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	6,746.06	
33 61 13 13-0505	EA		6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	9,546.90	
33 61 13 13-0506	EA		8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	13,685.67	
33 61 13 13-0507	EA		10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	17,774.98	
33 61 13 13-0508	EA		12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	23,274.60	
33 61 13 13-0509	EA		14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	28,309.65	
33 61 13 13-0510	EA		16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	33,860.56	
33 61 13 13-0511	EA		18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	42,382.71	
33 61 13 13-0512	EA		20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	53,494.37	
33 61 13 13-0513	EA		24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	67,692.29	
33 61 13 13-0514			Reducers (33 61 13 13-0477)		
33 61 13 13-0515			Reducers (33 61 13 13-0514)		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0516	EA		4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	3,407.90	
33 61 13 13-0517	EA		6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	4,793.98	
33 61 13 13-0518	EA		8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	6,862.63	
33 61 13 13-0519	EA		10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	8,938.61	
33 61 13 13-0520	EA		12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	11,678.50	
33 61 13 13-0521			Reducers (33 61 13 13-0514)		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 13-0522	EA		4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	3,807.52	
33 61 13 13-0523	EA		6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	5,377.54	
33 61 13 13-0524	EA		8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	7,706.25	
33 61 13 13-0525	EA		10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	10,016.92	
33 61 13 13-0526	EA		12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	13,105.70	
33 61 13 13-0527	EA		14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	15,925.30	
33 61 13 13-0528	EA		16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	19,035.11	
33 61 13 13-0529	EA		18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	23,750.72	
33 61 13 13-0530	EA		20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	30,074.32	
33 61 13 13-0531	EA		24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket.....	38,109.17	

33 Utilities**33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**
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 UNIT COST UNIT COST

33 61 13 13-0532		Tempered Water Piping Pre-Insulated (33 61 13 13)		
33 61 13 13-0533		Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation (33 61 13 13-0532)		
33 61 13 13-0534	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	150.19	24.99
33 61 13 13-0535	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	195.80	28.54
33 61 13 13-0536	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	272.80	31.14
33 61 13 13-0537	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	375.85	38.93
33 61 13 13-0538	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	482.17	48.01
33 61 13 13-0539		Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation (33 61 13 13-0532)		
33 61 13 13-0540	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	73.63	28.54
33 61 13 13-0541	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	88.38	28.54
33 61 13 13-0542	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	102.40	28.54
33 61 13 13-0543	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	122.42	33.74
33 61 13 13-0544	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	148.18	42.83
33 61 13 13-0545		Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation (33 61 13 13-0532)		
33 61 13 13-0546	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	73.63	28.54
33 61 13 13-0547	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	88.38	28.54
33 61 13 13-0548	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	101.10	28.54
33 61 13 13-0549	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	122.42	33.74
33 61 13 13-0550	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	148.17	42.83

33 70 Electrical Utilities (33)**33 71 Electrical Utility Transmission and Distribution (33 70)****33 71 19 Electrical Underground Ducts, Ductbanks and Manholes (33 71)**

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 13 Electrical Manholes and Handholes (33 71 19)

33 71 19 13-0001		Electrical Handholes And Pull Boxes (33 71 19 13)		
33 71 19 13-0002		Electrical Pull Boxes (33 71 19 13-0001)		
		See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,619.46	555.39
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	3,171.11	615.61
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,700.95	669.15
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	5,916.83	802.98
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	6,347.91	802.98
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	6,845.84	836.44
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	7,889.07	936.81
33 71 19 13-0010	EA	18" x 28" x 34", Electric Pull Boxes, Precast Concrete	2,760.75	615.61
33 71 19 13-0011	EA	14" x 20" x 12", Electric Pull Boxes, Precast Concrete	1,362.56	401.49
33 71 19 13-0012	EA	18" x 28" x 12", Electric Pull Boxes, Precast Concrete	1,735.60	802.98
33 71 19 13-0013	EA	24" x 36" x 12", Electric Pull Boxes, Precast Concrete	2,366.83	936.81
33 71 19 13-0014	EA	24" x 3", Round Electric Pull Boxes, Precast Concrete	1,512.94	234.20
33 71 19 13-0015	EA	30" x 3", Round Electric Pull Boxes, Precast Concrete	1,596.14	250.94
33 71 19 13-0016		Precast Concrete Box Extensions (33 71 19 13-0001)		
33 71 19 13-0017	EA	14" x 20" x 12", Precast Concrete Extension	239.29	43.59
33 71 19 13-0018	EA	18" x 28" x 12", Precast Concrete Extension	300.58	55.20
33 71 19 13-0019	EA	24" x 36" x 12", Precast Concrete Extension	391.95	75.55
33 71 19 13-0020	EA	30" x 48" x 12", Precast Concrete Extension	483.03	104.60
33 71 19 13-0021	EA	36" x 60" x 12", Precast Concrete Extension	775.45	127.85
33 71 19 13-0022	EA	36" x 72" x 12", Precast Concrete Extension	1,038.50	145.29
33 71 19 13-0023	EA	48" x 48" x 12", Precast Concrete Extension	1,180.06	133.66
33 71 19 13-0024	EA	48" x 60" x 12", Precast Concrete Extension	1,447.87	156.90
33 71 19 13-0025		Electrical Pull Boxes (CALTRANS) (33 71 19 13-0001)		
33 71 19 13-0026	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box	142.82	
33 71 19 13-0027	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	57.42	
33 71 19 13-0028	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	88.04	
33 71 19 13-0029	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	187.24	
33 71 19 13-0030	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	290.09	
		For Galvanized Steel Cover, Add	49.79	
33 71 19 13-0031	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	72.22	
33 71 19 13-0032	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	72.22	
33 71 19 13-0033	EA	Body, CALTRANS 5 Precast Concrete Pull Box	204.21	
33 71 19 13-0034	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	76.89	
33 71 19 13-0035	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	107.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 71 19 13-0036	EA		Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box.....	385.02	
			<i>For Galvanized Steel Cover, Add</i>	91.29	
33 71 19 13-0037	EA		12" Extension, CALTRANS 5 Precast Concrete Pull Box.....	102.65	
33 71 19 13-0038	EA		Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	95.95	
33 71 19 13-0039	EA		Body, CALTRANS 6 Precast Concrete Pull Box.....	223.68	
33 71 19 13-0040	EA		Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	103.06	
33 71 19 13-0041	EA		Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	133.68	
33 71 19 13-0042	EA		Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	528.65	
			<i>For Galvanized Steel Cover, Add</i>	127.80	
33 71 19 13-0043	EA		12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	122.12	
33 71 19 13-0044	EA		Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	114.82	
33 71 19 13-0045	EA		6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	158.64	
33 71 19 13-0046	EA		Body, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	321.13	
33 71 19 13-0047	EA		Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	462.92	
33 71 19 13-0048	EA		12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	146.46	
33 71 19 13-0049	EA		Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	134.29	
33 71 19 13-0050	EA		Body, CALTRANS 5-T Precast Concrete Pull Box.....	418.42	
33 71 19 13-0051	EA		Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box.....	669.84	
33 71 19 13-0052	EA		12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	175.68	
33 71 19 13-0053	EA		Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box.....	170.81	
33 71 19 13-0054	EA		Body, CALTRANS 6-T Precast Concrete Pull Box.....	596.13	
33 71 19 13-0055	EA		Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box.....	937.61	
33 71 19 13-0056	EA		12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	297.39	
33 71 19 13-0057	EA		Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box.....	231.66	
33 71 19 13-0058 Electrical Property Line Boxes (33 71 19 13)					
33 71 19 13-0059	EA		3'-6" x 2'-9" x 2' Deep Property Line Box.....	5,638.23	451.67
33 71 19 13-0060	EA		4'-6" x 3'-6" x 4' Deep Property Line Box.....	6,638.69	468.41
33 71 19 13-0061	EA		6' x 4' x 5' Deep Property Line Box.....	7,272.93	568.78
33 71 19 13-0062	EA		11'-6" x 4'-6" x 6' Deep Property Line Box.....	11,142.70	836.44
33 71 19 13-0063 Manhole Accessories (33 71 19 13)					
33 71 19 13-0064	EA		6" Precast Grade Ring Riser Casting.....	534.86	155.59
33 71 19 13-0065	EA		12" Precast Grade Ring Riser Casting.....	579.24	168.56
33 71 19 13-0066	EA		36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D).....	2,148.50	259.32
33 71 19 13-0067	EA		42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1).....	2,800.08	324.14
33 71 19 13-0068	EA		Cast Iron Adjusting Ring (NEENAH #R-1979).....	923.07	173.09
33 71 19 13-0069	EA		Cast Iron Frame And Cover (NEENAH #R-1640-B).....	1,167.29	194.48
33 71 19 23 Trenched Electrical Underground Duct and Ductbanks (33 71 19)					
33 71 19 23-0001 Underground Ductbank (33 71 19 23)					
Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.					
33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (33 71 19 23-0001)					
Note: Includes appropriate spacers and fittings.					
33 71 19 23-0003	LF		2 At 2", Rigid Galvanized Conduit Duct Bank.....	35.63	
33 71 19 23-0004	LF		4 At 2", Rigid Galvanized Conduit Duct Bank.....	71.28	
33 71 19 23-0005	LF		2 At 3", Rigid Galvanized Conduit Duct Bank.....	73.30	
33 71 19 23-0006	LF		4 At 3", Rigid Galvanized Conduit Duct Bank.....	147.02	
33 71 19 23-0007	LF		2 At 4", Rigid Galvanized Conduit Duct Bank.....	107.87	
33 71 19 23-0008	LF		4 At 4", Rigid Galvanized Conduit Duct Bank.....	216.95	
33 71 19 23-0009	LF		6 At 4", Rigid Galvanized Conduit Duct Bank.....	326.20	
33 71 19 23-0010	LF		2 At 5", Rigid Galvanized Conduit Duct Bank.....	201.60	
33 71 19 23-0011	LF		4 At 5", Rigid Galvanized Conduit Duct Bank.....	402.01	
33 71 19 23-0012	LF		6 At 5", Rigid Galvanized Conduit Duct Bank.....	619.06	
33 71 19 23-0013	LF		2 At 6", Rigid Galvanized Conduit Duct Bank.....	286.59	
33 71 19 23-0014	LF		4 At 6", Rigid Galvanized Conduit Duct Bank.....	575.25	
33 71 19 23-0015	LF		6 At 6", Rigid Galvanized Conduit Duct Bank.....	855.72	
33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System (33 71 19 23-0001)					
Note: Includes appropriate spacers and fittings.					
33 71 19 23-0017	LF		1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	8.35	
33 71 19 23-0018	LF		2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	18.36	
33 71 19 23-0019	LF		4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	35.24	
33 71 19 23-0020	LF		1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.06	
33 71 19 23-0021	LF		2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	22.09	
33 71 19 23-0022	LF		4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	44.86	
33 71 19 23-0023	LF		1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	14.78	
33 71 19 23-0024	LF		2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	29.58	
33 71 19 23-0025	LF		4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	59.20	
33 71 19 23-0026	LF		6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	88.77	
33 71 19 23-0027	LF		1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	18.66	
33 71 19 23-0028	LF		2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	37.30	
33 71 19 23-0029	LF		4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	72.19	
33 71 19 23-0030	LF		6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	102.35	

33 Utilities**33 70 Electrical Utilities****33 71 Electrical Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 71 19 23-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	33.17
33 71 19 23-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	50.51
33 71 19 23-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	101.25
33 71 19 23-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	163.73

33 71 19 23-0035 Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System (33 71 19 23-0001)

Note: Includes appropriate spacers and fittings.

33 71 19 23-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	9.28
33 71 19 23-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	20.29
33 71 19 23-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	38.84
33 71 19 23-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	11.48
33 71 19 23-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	22.93
33 71 19 23-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	45.73
33 71 19 23-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	15.13
33 71 19 23-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	30.27
33 71 19 23-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	60.60
33 71 19 23-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	90.86
33 71 19 23-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	19.19
33 71 19 23-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	38.35
33 71 19 23-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	74.30
33 71 19 23-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	105.51
33 71 19 23-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	33.90
33 71 19 23-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	52.02
33 71 19 23-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	104.27
33 71 19 23-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	168.27

33 71 19 23-0054 Male Or Female Adapters (33 71 19 23-0001)

33 71 19 23-0055	EA	2" Adapter.....	44.67
33 71 19 23-0056	EA	3" Adapter.....	64.39
33 71 19 23-0057	EA	4" Adapter.....	83.19
33 71 19 23-0058	EA	5" Adapter.....	127.31
33 71 19 23-0059	EA	6" Adapter.....	157.46

33 71 19 23-0060 Underground Electrical Concrete Markers (33 71 19 23)

33 71 19 23-0061	EA	36" x 6" x 6", Underground Electric Concrete Marker	388.11
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END OF SECTION 33

34 Transportation

34 70 Transportation Construction and Equipment⁽³⁴⁾

34 71 Roadway Construction^(34 70)

34 71 13 Vehicle Barriers^(34 71)

34 71 13 16 Vehicle Crash Barriers^(34 71 13)

34 71 13 16-0001 Impact Barrier, Non-Redirective^(34 71 13 16)

34 71 13 16-0002 Sand Barrel Impact Attenuator^(34 71 13 16-0001)

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 Lb. Sand Barrel.....	531.15	53.19
		Note: Includes containers, inserts, and lid.		

34 71 13 26 Vehicle Guide Rails^(34 71 13)

34 71 13 26-0001 Resilient Guard Fence And Light Shield^(34 71 13 26)

34 71 13 26-0002	LF	Resilient Guard Fence And Light Shield, Up To 6' High	89.15	7.41
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34 71 13 26-0003 Individual Concrete Guard Rail Posts^(34 71 13 26)

34 71 13 26-0004	EA	6'-5" Concrete Guard Rail Posts, Round	96.59	7.41
34 71 13 26-0005	EA	6'-5" Concrete Posts, Square.....	108.00	8.33
34 71 13 26-0006	EA	6'-5" Concrete Posts, Triangular.....	105.10	8.33

34 71 13 26-0007 Corrugated Beam Guide Rail^(34 71 13 26)

34 71 13 26-0008 Corrugated Beam Guide Railing^(34 71 13 26-0007)

34 71 13 26-0009 Corrugated Beam Guide Railing, Straight Sections^(34 71 13 26-0008)

Note: Add additional length for back-up sections.

34 71 13 26-0010	LF	Corrugated Beam Guide Railing	35.00	2.41
34 71 13 26-0011	LF	Corrugated Beam Guide Railing (Rustic).....	38.04	2.41

34 71 13 26-0012 Corrugated Beam Guide Railing, Shop Curved^(34 71 13 26-0008)

Note: Add additional length for back-up sections.

34 71 13 26-0013	LF	Shop Curved Corrugated Beam Guide Railing	46.92	2.41
34 71 13 26-0014	LF	Shop Curved Corrugated Beam Guide Railing (Rustic).....	51.11	2.41
34 71 13 26-0015	LF	Shop Curved Corrugated Beam Guide Railing End.....	126.28	2.41
		Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0016	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End	138.15	2.41
		Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		

34 71 13 26-0017 Corrugated Beam Guide Railing, Manufactured End Sections^(34 71 13 26-0007)

34 71 13 26-0018	EA	Corrugated Beam Guide Railing End Section At Anchor Unit.....	242.83	31.81
34 71 13 26-0019	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	259.05	31.81
34 71 13 26-0020	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section.....	340.15	31.81
34 71 13 26-0021	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	356.37	31.81
34 71 13 26-0022	EA	Corrugated Beam Guide Railing 225 Degree End Section	340.15	31.81
34 71 13 26-0023	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	356.37	31.81

34 71 13 26-0024 Corrugated Beam Guide Rail Posts^(34 71 13 26-0007)

Note: Includes mounting hardware.

34 71 13 26-0025	EA	Standard Post For Corrugated Beam Guide Rail.....	281.83	16.74
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	4.46	
34 71 13 26-0026	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	298.05	16.74
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	4.46	
34 71 13 26-0027	EA	Extra Long Post For Corrugated Beam Guide Rail.....	314.27	16.74
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	4.46	
34 71 13 26-0028	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	330.49	16.74
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	4.46	
34 71 13 26-0029	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	281.83	16.74
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	4.46	
34 71 13 26-0030	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	411.59	16.74
		For Installation In Rock, Add	4.46	

34 71 13 26-0031 Corrugated Beam Guide Rail Accessories^(34 71 13 26-0007)

34 71 13 26-0032	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	210.39	36.15
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34 Transportation**34 70 Transportation Construction and Equipment****34 71 Roadway Construction**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

34 71 13 26-0033		Timber Guide Rails (34 71 13 26) Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0034		Timber Guide Rail Posts (34 71 13 26-0033)		
34 71 13 26-0035	EA	6" x 8" Timber Guide Rail Post	117.93	12.05
34 71 13 26-0036	EA	6" x 9" Timber Guide Rail Post	134.91	12.05
34 71 13 26-0037	EA	10" x 10" Timber Guide Rail Post	267.97	12.05
34 71 13 26-0038	EA	10" x 12" Timber Guide Rail Post	283.84	12.05
34 71 13 26-0039	EA	12" x 12" Timber Guide Rail Post	329.07	12.05
34 71 13 26-0040		Timber Guide Rails (34 71 13 26-0033) Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0041	LF	4" x 9" Timber Guide Rail.....	14.65	1.45
34 71 13 26-0042	LF	6" x 10" Timber Guide Rail.....	20.76	1.45
34 71 13 26-0043	LF	6" x 12" Timber Guide Rail.....	24.34	1.45
34 71 13 26-0044		Spacer Blocks For Timber Guide Rails (34 71 13 26-0033)		
34 71 13 26-0045	EA	4" x 9" Spacer Block For Timber Guide Rails	19.07	1.93
34 71 13 26-0046	EA	6" x 8" Spacer Block For Timber Guide Rails	22.00	1.93
34 71 13 26-0047	EA	8" x 8" Spacer Block For Timber Guide Rails	25.73	1.93
34 71 13 26-0048		Weathering Steel Backup Plates For Timber Guide Rails (34 71 13 26-0033)		
34 71 13 26-0049	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	26.89	1.21
34 71 13 26-0050		Weathering Steel Splice And Bearing Plates For Timber Guide Rails (34 71 13 26-0033)		
34 71 13 26-0051	EA	Weathering Steel Splice Plate For Timber Guide Rails.....	184.99	16.87
34 71 13 26-0052	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	115.68	12.05
34 71 13 26-0053		Cable Guide Rail (34 71 13 26)		
34 71 13 26-0054		Cable Guide Rail (34 71 13 26-0053)		
34 71 13 26-0055	LF	Cable (Each Cable)	17.31	2.60
		Note: Includes tensioning. Excludes splices.		
34 71 13 26-0056	EA	Cable Splice With Wedges	510.68	18.08
34 71 13 26-0057		Cable Guide Rail Posts (34 71 13 26-0053) Note: Includes hardware for cable mounting.		
34 71 13 26-0058	EA	Standard Post for Cable Guide Rail.....	317.69	55.79
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	14.88	
34 71 13 26-0059	EA	Standard Post (Rustic) for Cable Guide Rail.....	333.91	55.79
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	14.88	
34 71 13 26-0060	EA	Extra Long Post for Cable Guide Rail	333.91	55.79
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	14.88	
34 71 13 26-0061	EA	Extra Long Post (Rustic) for Cable Guide Rail	350.13	55.79
		For Installation Without Soil Plate, Deduct	-5.00	
		For Installation In Rock, Add	14.88	
34 71 13 26-0062	EA	Slip Impact Post Top for Anchor Unit.....	224.39	22.32
34 71 13 26-0063	EA	Slip Impact Post Base and Keeper Plate	629.88	22.32
		Note: For anchor unit.		
34 71 13 26-0064		Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0053)		
34 71 13 26-0065	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	873.46	241.51
34 71 13 26-0066	EA	Turnbuckle Cable End Assembly	340.49	12.07
34 71 13 26-0067	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	1,143.36	6.00
34 71 13 26-0068	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	1,175.80	6.00
34 71 13 26-0069	EA	Breakaway Anchor Angle.....	437.80	12.07
34 71 13 26-0070	EA	Standard End Post Cap Assembly.....	202.63	6.00
34 71 13 26-0071	EA	Driveway End Post Cap Assembly	170.19	6.00
34 71 13 26-0072	EA	End Post Ground Support Plates.....	89.10	6.00
34 71 13 26-0073	EA	11" Stud Bolt, Cable Guide Rail	76.93	6.00
34 71 13 26-0074	EA	18" Stud Bolt, Cable Guide Rail	93.15	6.00
34 71 13 26-0075	EA	25" Stud Bolt, Cable Guide Rail	109.37	6.00
34 71 13 26-0076	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	989.26	12.07
34 71 13 26-0077	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	1,054.14	12.07
34 71 13 26-0078	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	697.31	12.07
34 71 13 26-0079	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	429.70	6.00
34 71 13 26-0080	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	437.80	12.07
34 71 13 26-0081	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	462.02	18.08
34 71 13 26-0082		Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0053)		
34 71 13 26-0083	EA	Turnbuckle Cable End Assembly.....	787.16	18.64
		Note: For use with slip impact post.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0084	EA		Spring Cable End Assembly (Compensating Device)..... Note: For use with slip impact post.	1,565.69	18.64
34 71 13 26-0085	EA		Anchor Angle For Slip Impact Post System	446.55	18.64
34 71 13 26-0086	EA		Cable End Assembly Rod	365.46	18.64
			Note: Includes cable end, threaded rod and keeper to anchor angle.		
34 71 13 26-0087			Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0053) Note: Includes associated hardware.		
34 71 13 26-0088	LF		Retention Existing Cable (Each Cable).....	1.61	
34 71 13 26-0089	LF		Removal And Storage Of Cable Guide Railing	9.70	
34 71 13 26-0090	EA		Install Stored Post For Cable Guide Railing	74.40	
34 71 13 26-0091	LF		Install Stored Cable, (Each Cable)..... Note: Includes retensioning. Excludes splices.	4.29	
34 71 13 26-0092			6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0093			Box Beam Guide Rail, 6" x 6" (34 71 13 26-0092)		
34 71 13 26-0094			Straight Sections, Box Beam Guide Rail (34 71 13 26-0093)		
34 71 13 26-0095	LF		Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices.	105.40	3.04
			For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0096	LF		Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	120.23	3.04
			Note: Excludes splices.		
			For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0097	LF		Box Beam Guide Railing 8" x 6" x 3/16" Galvanized..... Note: Excludes splices	125.70	3.04
			For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0098			Shop Curved, Box Beam Guide Rail (34 71 13 26-0093)		
34 71 13 26-0099	LF		Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices.	162.25	3.04
			For Shop Curved At <20' Radius, Add	2.44	
			For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0100	LF		Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic)	177.08	3.04
			Note: Excludes splices.		
			For Shop Curved At <20' Radius, Add	2.44	
			For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0101	LF		Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized..... Note: Excludes splices.	193.82	3.04
			For Shop Curved At <20' Radius, Add	2.44	
			For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0102			Box Beam Guide Rail End Treatment Sections (34 71 13 26-0092) Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0103	EA		Box Beam End Piece Guide Railing Section	1,670.14	36.15
			Note: Galvanized excludes splices.		
34 71 13 26-0104	EA		Box Beam End Piece Guide Railing Section (Rustic)	1,848.55	36.15
			Note: Excludes splices.		
34 71 13 26-0105	EA		Box Beam Guide Railing End Treatment Section At Driveway, Galvanized	1,572.82	36.15
			Note: Excludes splices.		
34 71 13 26-0106	EA		Box Beam Guide Railing End Treatment Section At Driveway, (Rustic).....	1,637.70	36.15
			Note: Excludes splices.		
34 71 13 26-0107	EA		Box Beam Guiderail End Assembly	47,248.81	964.09
			Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.		
34 71 13 26-0108			Splices For Box Beam Guide Rail (34 71 13 26-0092)		
34 71 13 26-0109	EA		Splice For Box Beam Guide Rail	350.62	53.67
34 71 13 26-0110	EA		Splice For Box Beam Guide Rail (Rustic)	464.16	53.67
34 71 13 26-0111			Box Beam Guide Rail Posts (34 71 13 26-0092) Note: Includes hardware for box beam mounting.		
34 71 13 26-0112	EA		Standard Post For Box Beam Guide Rail	333.91	55.79
			For Installation Without Soil Plate, Deduct	-5.00	
			For Installation In Rock, Add	14.88	
34 71 13 26-0113	EA		Standard Post (Rustic) for Box Beam Guide Railing.....	350.13	55.79
			For Installation Without Soil Plate, Deduct	-5.00	
			For Installation In Rock, Add	14.88	
34 71 13 26-0114	EA		Extra Long Post For Box Beam Guide Rail.....	366.35	55.79
			For Installation Without Soil Plate, Deduct	-5.00	
			For Installation In Rock, Add	14.88	
34 71 13 26-0115	EA		Extra Long Post (Rustic) For Box Beam Guide Rail	382.57	55.79
			For Installation Without Soil Plate, Deduct	-5.00	
			For Installation In Rock, Add	14.88	
34 71 13 26-0116	EA		Type I End Assembly Post.....	317.69	55.79
			For Installation Without Soil Plate, Deduct	-5.00	
			For Installation In Rock, Add	14.88	
34 71 13 26-0117	EA		Type I End Assembly Post (Rustic)	333.91	55.79
			For Installation Without Soil Plate, Deduct	-5.00	
			For Installation In Rock, Add	14.88	

34 Transportation**34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
34 71 13 26-0118	EA	Type II End Assembly Post.....	301.47		55.79
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	14.88		
34 71 13 26-0119	EA	Type II End Assembly Post (Rustic).....	317.69		55.79
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	14.88		
34 71 13 26-0120		Box Beam Guide Rail Accessories (34 71 13 26-0092)			
34 71 13 26-0121	EA	Box Beam Guide Rail End Cover Plate.....	209.09		10.84
34 71 13 26-0122	EA	Box Beam Guide Rail End Cover Plate (Rustic)	225.31		10.84
34 71 13 26-0123		Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0092)			
		Note: For existing guide rail.			
34 71 13 26-0124	LF	Removal And Storage Of Box Beam Guide Rail And Post	4.76		
34 71 13 26-0125	LF	Reset Box Beam Guide Rail	13.90		
34 71 13 26-0126		6" x 8" Box Beam Median Barrier (34 71 13 26)			
34 71 13 26-0127		Box Beam Median Barrier, 6" x 8" (34 71 13 26-0126)			
34 71 13 26-0128		Straight Sections, Box Beam Median Barrier (34 71 13 26-0127)			
34 71 13 26-0129	LF	Box Beam Median Barrier Galvanized Excludes Splices	170.19		10.84
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83		
34 71 13 26-0130	LF	Box Beam Median Barrier (Rustic) Excludes Splices.....	185.02		10.84
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83		
34 71 13 26-0131		Shop Curved, Box Beam Median Barrier (34 71 13 26-0127)			
34 71 13 26-0132	LF	Shop Curved Box Beam Median Barrier Galvanized	209.16		10.84
		Note: Excludes splices.			
		<i>For Shop Curved At <20' Radius, Add</i>	2.44		
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83		
34 71 13 26-0133	LF	Shop Curved Box Beam Median Barrier Rustic	257.84		10.84
		Note: Excludes splices.			
		<i>For Shop Curved At <20' Radius, Add</i>	2.44		
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83		
34 71 13 26-0134		Box Beam Median Barrier End Treatment Sections (34 71 13 26-0126)			
		Note: Includes rail, end cover plate and hardware. Excludes posts.			
34 71 13 26-0135	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized	5,546.58		36.15
		Note: Excludes splices and post.			
34 71 13 26-0136	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic).....	5,676.33		36.15
		Note: Excludes splices and post.			
34 71 13 26-0137	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized	5,546.58		36.15
		Note: Excludes splices and post.			
34 71 13 26-0138	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic).....	5,676.33		36.15
		Note: Excludes splices and post.			
34 71 13 26-0139		Splices For Box Beam Median Barrier (34 71 13 26-0126)			
34 71 13 26-0140	EA	Splice for Box Beam Median Barrier	395.39		28.93
34 71 13 26-0141	EA	Splice for Box Beam Median Barrier (Rustic).....	638.68		28.93
34 71 13 26-0142		Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0126)			
		Note: Includes all associated hardware.			
34 71 13 26-0143	EA	Standard Post for Box Beam Median Barrier	333.91		55.79
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	14.88		
34 71 13 26-0144	EA	Standard Post (Rustic) for Box Beam Median Barrier	350.13		55.79
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	14.88		
34 71 13 26-0145	EA	Extra Long Post for Box Beam Median Barrier	366.35		55.79
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	14.88		
34 71 13 26-0146	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	382.57		55.79
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	14.88		
34 71 13 26-0147	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam	301.47		55.79
		Note: For median barrier.			
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	14.88		
34 71 13 26-0148	EA	Type B End Treatment or Rub Back Anchor Post (Rustic)	301.47		55.79
		Note: For box beam median barrier.			
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	14.88		
34 71 13 26-0149	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete	366.35		55.79
		Note: For median barrier transition.			
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	14.88		
34 71 13 26-0150	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier	382.57		55.79
		Note: For Concrete median barrier transition.			
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00		
		<i>For Installation In Rock, Add</i>	14.88		

			Transportation	34	34
			Transportation Construction and Equipment	34 70	
			Roadway Construction	34 71	
MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 71 13 26-0151			Box Beam Median Barrier Accessories (34 71 13 26-0126)		
34 71 13 26-0152	EA		Box Beam Median Barrier End Cover Plate.....	241.30	25.45
34 71 13 26-0153	EA		Box Beam Median Barrier End Cover Plate (Rustic)	257.52	25.45
34 71 13 26-0154			Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0126)		
			Note: For existing guide rail.		
34 71 13 26-0155	LF		Removal And Storage Of Box Beam Median Barrier and Posts	4.92	
34 71 13 26-0156	LF		Reset Box Beam Median Barrier	14.56	
34 71 13 26-0157			Universal Guide Rail Items (34 71 13 26)		
34 71 13 26-0158			Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0157)		
			Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0159	CY		Guide Rail Concrete Anchor Unit.....	837.74	
			For Each Additional Set Of Anchor Rods, Add	38.00	
34 71 13 26-0160	EA		Reset Existing Anchorage Unit for All Types of Guide Rail.....	552.84	
			Note: Includes excavation and backfill.		
34 71 13 26-0161	EA		Removal Of Guide Rail Concrete Anchor Unit.....	623.18	
34 71 13 26-0162			Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0157)		
			Note: Includes associated hardware.		
34 71 13 26-0163	EA		Straighten And Reset Driven Post For Guide Rail	74.40	
34 71 13 26-0164	EA		Straighten And Reset Post Mounted On Concrete For Guide Rail	97.76	
			Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0165			Additional Wood and Steel Posts (34 71 13 26-0157)		
34 71 13 26-0166	LF		4" x 6" Wood Post.....	101.88	18.64
			For Installation In Rock, Add	4.97	
34 71 13 26-0167	LF		6" x 8" Wood Post.....	126.21	18.64
			For Installation In Rock, Add	4.97	
34 71 13 26-0168	LF		6" x 7/8" Galvanized Steel Post	70.80	18.64
			For Installation In Rock, Add	4.97	
34 71 13 26-0169	EA		Base Plate With Anchor Bolts For Mounting Post On Concrete	762.60	18.64
34 71 13 26-0170			Accessories For All Types of Guide Rail (34 71 13 26-0157)		
34 71 13 26-0171	EA		Reflector For Guard Rail	101.37	
34 71 13 26-0172			Guide Rail Transitions (34 71 13 26)		
34 71 13 26-0173			Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0172)		
34 71 13 26-0174	EA		Box Beam Median Barrier To Corrugated Beam Bolted Section	1,327.60	
34 71 13 26-0175	EA		Box Beam Median Barrier To Corrugated Beam Harness Plate	646.39	
			Note: For making cable connections.		
34 71 13 26-0176			Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0172)		
34 71 13 26-0177	EA		Box Beam to Cable Guide Rail U-bolt And Plate	194.39	19.28
34 71 13 26-0178			Transition Box Beam Median Barrier To Concrete Median Barrier (34 71 13 26-0172)		
34 71 13 26-0179	EA		Box Beam Median Barrier To Concrete Barrier End Connection	1,943.94	
34 71 13 26-0180			Transition Thrie Beam To Concrete Median Barrier (34 71 13 26-0172)		
34 71 13 26-0181	EA		Thrie Beam Terminal Connector At Concrete Median Barrier	1,132.97	
34 71 13 26-0182	EA		Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	1,538.46	
34 71 13 26-0183			Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0172)		
34 71 13 26-0184	EA		Box Beam To Corrugated Beam Rail Bolted Section.....	1,295.16	
34 71 13 26-0185	EA		Box Beam To Corrugated Beam Rail Bolted Plate	646.39	
			Note: For making cable connections.		

END OF SECTION 34

34	34	Transportation	
	34 70	Transportation Construction and Equipment	
	34 71	Roadway Construction	



MINOR				TOTAL DIRECT		DEMOLITION
CSI UOM DESCRIPTION				UNIT COST		UNIT COST

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Process Interconnections			40
Common Work Results For Process Interconnections			40 05
Ductile Iron Process Pipe			40 05 19
MINOR	CSI	UOM	DESCRIPTION
			TOTAL DIRECT UNIT COST
			DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 19 Ductile Iron Process Pipe ^(40 05)

40 05 19 00-0001	Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19) Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.		
40 05 19 00-0002	Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0001)		
40 05 19 00-0003	4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-0002)		
40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	990.49 -67.08 96.04 145.13 193.60	251.24
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,062.40 -74.26 105.91 159.84 213.09	255.63
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,134.30 -81.44 115.78 174.55 232.58	260.02
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,206.21 -88.61 125.64 189.26 252.07	264.42
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,278.12 -95.79 135.51 203.97 271.56	268.80
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,350.02 -102.97 145.38 218.68 291.05	273.20
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,421.92 -110.15 155.25 233.39 310.53	277.59
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,493.82 -117.32 165.11 248.10 330.02	281.99
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,565.74 -124.50 174.98 262.81 349.51	286.37
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,637.64 -131.68 184.85 277.52 369.00	290.77
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,709.54 -138.86 194.72 292.23 388.49	295.16
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,781.45 -146.03 204.58 306.94 407.98	299.55
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,853.36 -153.21 214.45 321.65 427.46	303.94
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,925.26 -160.39 224.32 336.36 446.95	308.34

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-0018	EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,997.16	312.73
	For Class 52 Rating, Deduct	-167.57	
	For Class 54 Rating, Add	234.19	
	For Class 55 Rating, Add	351.07	
	For Class 56 Rating, Add	466.44	
40 05 19 00-0019	EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,069.07	317.12
	For Class 52 Rating, Deduct	-174.74	
	For Class 54 Rating, Add	244.05	
	For Class 55 Rating, Add	365.79	
	For Class 56 Rating, Add	485.93	
40 05 19 00-0020	EA 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,140.97	321.51
	For Class 52 Rating, Deduct	-181.92	
	For Class 54 Rating, Add	253.92	
	For Class 55 Rating, Add	380.50	
	For Class 56 Rating, Add	505.42	
40 05 19 00-0021	EA 4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,212.88	325.91
	For Class 52 Rating, Deduct	-189.10	
	For Class 54 Rating, Add	263.79	
	For Class 55 Rating, Add	395.21	
	For Class 56 Rating, Add	524.91	
40 05 19 00-0022	EA 4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,284.79	330.30
	For Class 52 Rating, Deduct	-196.28	
	For Class 54 Rating, Add	273.66	
	For Class 55 Rating, Add	409.92	
	For Class 56 Rating, Add	544.39	
40 05 19 00-0023	EA 4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,356.69	334.69
	For Class 52 Rating, Deduct	-203.45	
	For Class 54 Rating, Add	283.52	
	For Class 55 Rating, Add	424.63	
	For Class 56 Rating, Add	563.88	
40 05 19 00-0024	EA 4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,428.58	339.08
	For Class 52 Rating, Deduct	-210.63	
	For Class 54 Rating, Add	293.39	
	For Class 55 Rating, Add	439.34	
	For Class 56 Rating, Add	583.37	
40 05 19 00-0025	EA 4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,500.48	343.48
	For Class 52 Rating, Deduct	-217.81	
	For Class 54 Rating, Add	303.26	
	For Class 55 Rating, Add	454.05	
	For Class 56 Rating, Add	602.86	
40 05 19 00-0026	EA 4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,572.40	347.86
	For Class 52 Rating, Deduct	-224.99	
	For Class 54 Rating, Add	313.12	
	For Class 55 Rating, Add	468.76	
	For Class 56 Rating, Add	622.34	
40 05 19 00-0027	EA 4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,644.30	352.26
	For Class 52 Rating, Deduct	-232.16	
	For Class 54 Rating, Add	322.99	
	For Class 55 Rating, Add	483.47	
	For Class 56 Rating, Add	641.83	
40 05 19 00-0028	EA 4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,716.20	356.65
	For Class 52 Rating, Deduct	-239.34	
	For Class 54 Rating, Add	332.86	
	For Class 55 Rating, Add	498.18	
	For Class 56 Rating, Add	661.32	
40 05 19 00-0029	EA 4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,788.11	361.05
	For Class 52 Rating, Deduct	-246.52	
	For Class 54 Rating, Add	342.72	
	For Class 55 Rating, Add	512.89	
	For Class 56 Rating, Add	680.81	
40 05 19 00-0030	EA 4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,860.02	365.43
	For Class 52 Rating, Deduct	-253.70	
	For Class 54 Rating, Add	352.59	
	For Class 55 Rating, Add	527.60	
	For Class 56 Rating, Add	700.30	
40 05 19 00-0031	EA 4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,931.92	369.83
	For Class 52 Rating, Deduct	-260.87	
	For Class 54 Rating, Add	362.46	
	For Class 55 Rating, Add	542.31	
	For Class 56 Rating, Add	719.79	
40 05 19 00-0032	EA 4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,003.82	374.22
	For Class 52 Rating, Deduct	-268.05	
	For Class 54 Rating, Add	372.33	
	For Class 55 Rating, Add	557.02	
	For Class 56 Rating, Add	739.27	
40 05 19 00-0033	EA 4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,075.73	378.61
	For Class 52 Rating, Deduct	-275.23	
	For Class 54 Rating, Add	382.19	
	For Class 55 Rating, Add	571.73	
	For Class 56 Rating, Add	758.76	
40 05 19 00-0034	EA 4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,147.63	383.00
	For Class 52 Rating, Deduct	-282.41	
	For Class 54 Rating, Add	392.06	
	For Class 55 Rating, Add	586.44	
	For Class 56 Rating, Add	778.25	
40 05 19 00-0035	EA 4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,219.54	387.40
	For Class 52 Rating, Deduct	-289.58	
	For Class 54 Rating, Add	401.93	
	For Class 55 Rating, Add	601.15	
	For Class 56 Rating, Add	797.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0036	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,291.45	391.80
			For Class 52 Rating, Deduct	-296.76	
			For Class 54 Rating, Add	411.80	
			For Class 55 Rating, Add	615.86	
			For Class 56 Rating, Add	817.23	
40 05 19 00-0037	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,363.35	396.18
			For Class 52 Rating, Deduct	-303.94	
			For Class 54 Rating, Add	421.66	
			For Class 55 Rating, Add	630.57	
			For Class 56 Rating, Add	836.72	
40 05 19 00-0038	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,435.25	400.58
			For Class 52 Rating, Deduct	-311.12	
			For Class 54 Rating, Add	431.53	
			For Class 55 Rating, Add	645.28	
			For Class 56 Rating, Add	856.20	
40 05 19 00-0039	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,507.16	404.97
			For Class 52 Rating, Deduct	-318.29	
			For Class 54 Rating, Add	441.40	
			For Class 55 Rating, Add	659.99	
			For Class 56 Rating, Add	875.69	
40 05 19 00-0040	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,579.07	409.37
			For Class 52 Rating, Deduct	-325.47	
			For Class 54 Rating, Add	451.27	
			For Class 55 Rating, Add	674.70	
			For Class 56 Rating, Add	895.18	
40 05 19 00-0041	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,650.97	413.75
			For Class 52 Rating, Deduct	-332.65	
			For Class 54 Rating, Add	461.13	
			For Class 55 Rating, Add	689.41	
			For Class 56 Rating, Add	914.67	
40 05 19 00-0042	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,722.87	418.15
			For Class 52 Rating, Deduct	-339.83	
			For Class 54 Rating, Add	471.00	
			For Class 55 Rating, Add	704.12	
			For Class 56 Rating, Add	934.16	
40 05 19 00-0043			6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0044	EA		6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,254.63	316.24
			For Class 52 Rating, Deduct	-85.30	
			For Class 54 Rating, Add	122.07	
			For Class 55 Rating, Add	184.43	
			For Class 56 Rating, Add	246.01	
40 05 19 00-0045	EA		6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,341.59	320.64
			For Class 52 Rating, Deduct	-94.13	
			For Class 54 Rating, Add	134.20	
			For Class 55 Rating, Add	202.50	
			For Class 56 Rating, Add	269.94	
40 05 19 00-0046	EA		6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,428.55	325.02
			For Class 52 Rating, Deduct	-102.97	
			For Class 54 Rating, Add	146.32	
			For Class 55 Rating, Add	220.57	
			For Class 56 Rating, Add	293.87	
40 05 19 00-0047	EA		6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,515.51	329.42
			For Class 52 Rating, Deduct	-111.80	
			For Class 54 Rating, Add	158.45	
			For Class 55 Rating, Add	238.63	
			For Class 56 Rating, Add	317.80	
40 05 19 00-0048	EA		6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,602.47	333.81
			For Class 52 Rating, Deduct	-120.64	
			For Class 54 Rating, Add	170.57	
			For Class 55 Rating, Add	256.70	
			For Class 56 Rating, Add	341.73	
40 05 19 00-0049	EA		6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,689.44	338.21
			For Class 52 Rating, Deduct	-129.47	
			For Class 54 Rating, Add	182.70	
			For Class 55 Rating, Add	274.77	
			For Class 56 Rating, Add	365.66	
40 05 19 00-0050	EA		6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,776.40	342.59
			For Class 52 Rating, Deduct	-138.30	
			For Class 54 Rating, Add	194.83	
			For Class 55 Rating, Add	292.84	
			For Class 56 Rating, Add	389.59	
40 05 19 00-0051	EA		6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,863.36	346.99
			For Class 52 Rating, Deduct	-147.14	
			For Class 54 Rating, Add	206.95	
			For Class 55 Rating, Add	310.91	
			For Class 56 Rating, Add	413.52	
40 05 19 00-0052	EA		6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,950.32	351.38
			For Class 52 Rating, Deduct	-155.97	
			For Class 54 Rating, Add	219.08	
			For Class 55 Rating, Add	328.97	
			For Class 56 Rating, Add	437.45	
40 05 19 00-0053	EA		6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,037.28	355.78
			For Class 52 Rating, Deduct	-164.81	
			For Class 54 Rating, Add	231.20	
			For Class 55 Rating, Add	347.04	
			For Class 56 Rating, Add	461.38	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0054	EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,124.25	360.16
	For Class 52 Rating, Deduct	-173.64	
	For Class 54 Rating, Add	243.33	
	For Class 55 Rating, Add	365.11	
	For Class 56 Rating, Add	485.31	
40 05 19 00-0055	EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,211.21	364.56
	For Class 52 Rating, Deduct	-182.47	
	For Class 54 Rating, Add	255.46	
	For Class 55 Rating, Add	383.18	
	For Class 56 Rating, Add	509.25	
40 05 19 00-0056	EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,298.17	368.95
	For Class 52 Rating, Deduct	-191.31	
	For Class 54 Rating, Add	267.58	
	For Class 55 Rating, Add	401.25	
	For Class 56 Rating, Add	533.17	
40 05 19 00-0057	EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,385.13	373.34
	For Class 52 Rating, Deduct	-200.14	
	For Class 54 Rating, Add	279.71	
	For Class 55 Rating, Add	419.32	
	For Class 56 Rating, Add	557.10	
40 05 19 00-0058	EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,472.10	377.73
	For Class 52 Rating, Deduct	-208.97	
	For Class 54 Rating, Add	291.83	
	For Class 55 Rating, Add	437.38	
	For Class 56 Rating, Add	581.04	
40 05 19 00-0059	EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,559.05	382.13
	For Class 52 Rating, Deduct	-217.81	
	For Class 54 Rating, Add	303.96	
	For Class 55 Rating, Add	455.45	
	For Class 56 Rating, Add	604.96	
40 05 19 00-0060	EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,646.02	386.53
	For Class 52 Rating, Deduct	-226.64	
	For Class 54 Rating, Add	316.08	
	For Class 55 Rating, Add	473.52	
	For Class 56 Rating, Add	628.90	
40 05 19 00-0061	EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,732.98	390.91
	For Class 52 Rating, Deduct	-235.48	
	For Class 54 Rating, Add	328.21	
	For Class 55 Rating, Add	491.59	
	For Class 56 Rating, Add	652.83	
40 05 19 00-0062	EA 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,819.94	395.31
	For Class 52 Rating, Deduct	-244.31	
	For Class 54 Rating, Add	340.34	
	For Class 55 Rating, Add	509.66	
	For Class 56 Rating, Add	676.76	
40 05 19 00-0063	EA 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,906.91	399.70
	For Class 52 Rating, Deduct	-253.14	
	For Class 54 Rating, Add	352.46	
	For Class 55 Rating, Add	527.72	
	For Class 56 Rating, Add	700.69	
40 05 19 00-0064	EA 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,993.87	404.09
	For Class 52 Rating, Deduct	-261.98	
	For Class 54 Rating, Add	364.59	
	For Class 55 Rating, Add	545.79	
	For Class 56 Rating, Add	724.62	
40 05 19 00-0065	EA 6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,080.83	408.48
	For Class 52 Rating, Deduct	-270.81	
	For Class 54 Rating, Add	376.71	
	For Class 55 Rating, Add	563.86	
	For Class 56 Rating, Add	748.55	
40 05 19 00-0066	EA 6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,167.78	412.88
	For Class 52 Rating, Deduct	-279.64	
	For Class 54 Rating, Add	388.84	
	For Class 55 Rating, Add	581.93	
	For Class 56 Rating, Add	772.48	
40 05 19 00-0067	EA 6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,254.76	417.27
	For Class 52 Rating, Deduct	-288.48	
	For Class 54 Rating, Add	400.97	
	For Class 55 Rating, Add	600.00	
	For Class 56 Rating, Add	796.41	
40 05 19 00-0068	EA 6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,341.72	421.66
	For Class 52 Rating, Deduct	-297.31	
	For Class 54 Rating, Add	413.09	
	For Class 55 Rating, Add	618.07	
	For Class 56 Rating, Add	820.34	
40 05 19 00-0069	EA 6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,428.68	426.05
	For Class 52 Rating, Deduct	-306.15	
	For Class 54 Rating, Add	425.22	
	For Class 55 Rating, Add	636.14	
	For Class 56 Rating, Add	844.27	
40 05 19 00-0070	EA 6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,515.64	430.45
	For Class 52 Rating, Deduct	-314.98	
	For Class 54 Rating, Add	437.34	
	For Class 55 Rating, Add	654.20	
	For Class 56 Rating, Add	868.20	
40 05 19 00-0071	EA 6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,602.60	434.84
	For Class 52 Rating, Deduct	-323.81	
	For Class 54 Rating, Add	449.47	
	For Class 55 Rating, Add	672.27	
	For Class 56 Rating, Add	892.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0072	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,689.57	439.23
			For Class 52 Rating, Deduct	-332.65	
			For Class 54 Rating, Add	461.60	
			For Class 55 Rating, Add	690.34	
			For Class 56 Rating, Add	916.06	
40 05 19 00-0073	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,776.53	443.62
			For Class 52 Rating, Deduct	-341.48	
			For Class 54 Rating, Add	473.72	
			For Class 55 Rating, Add	708.41	
			For Class 56 Rating, Add	939.99	
40 05 19 00-0074	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,863.49	448.02
			For Class 52 Rating, Deduct	-350.31	
			For Class 54 Rating, Add	485.85	
			For Class 55 Rating, Add	726.48	
			For Class 56 Rating, Add	963.92	
40 05 19 00-0075	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,950.45	452.40
			For Class 52 Rating, Deduct	-359.15	
			For Class 54 Rating, Add	497.97	
			For Class 55 Rating, Add	744.54	
			For Class 56 Rating, Add	987.85	
40 05 19 00-0076	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,037.41	456.80
			For Class 52 Rating, Deduct	-367.98	
			For Class 54 Rating, Add	510.10	
			For Class 55 Rating, Add	762.61	
			For Class 56 Rating, Add	1,011.78	
40 05 19 00-0077	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,124.38	461.19
			For Class 52 Rating, Deduct	-376.82	
			For Class 54 Rating, Add	522.23	
			For Class 55 Rating, Add	780.68	
			For Class 56 Rating, Add	1,035.71	
40 05 19 00-0078	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,211.34	465.59
			For Class 52 Rating, Deduct	-385.65	
			For Class 54 Rating, Add	534.35	
			For Class 55 Rating, Add	798.75	
			For Class 56 Rating, Add	1,059.64	
40 05 19 00-0079	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,298.30	469.97
			For Class 52 Rating, Deduct	-394.48	
			For Class 54 Rating, Add	546.48	
			For Class 55 Rating, Add	816.82	
			For Class 56 Rating, Add	1,083.57	
40 05 19 00-0080	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,385.26	474.37
			For Class 52 Rating, Deduct	-403.32	
			For Class 54 Rating, Add	558.60	
			For Class 55 Rating, Add	834.89	
			For Class 56 Rating, Add	1,107.50	
40 05 19 00-0081	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,472.23	478.76
			For Class 52 Rating, Deduct	-412.15	
			For Class 54 Rating, Add	570.73	
			For Class 55 Rating, Add	852.95	
			For Class 56 Rating, Add	1,131.43	
40 05 19 00-0082	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,559.19	483.15
			For Class 52 Rating, Deduct	-420.99	
			For Class 54 Rating, Add	582.86	
			For Class 55 Rating, Add	871.02	
			For Class 56 Rating, Add	1,155.36	
40 05 19 00-0083			8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0084	EA		8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,754.13	404.09
			For Class 52 Rating, Deduct	-125.61	
			For Class 54 Rating, Add	178.63	
			For Class 55 Rating, Add	269.33	
			For Class 56 Rating, Add	358.89	
40 05 19 00-0085	EA		8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,871.20	408.48
			For Class 52 Rating, Deduct	-137.75	
			For Class 54 Rating, Add	195.27	
			For Class 55 Rating, Add	294.11	
			For Class 56 Rating, Add	391.71	
40 05 19 00-0086	EA		8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,988.27	412.88
			For Class 52 Rating, Deduct	-149.90	
			For Class 54 Rating, Add	211.91	
			For Class 55 Rating, Add	318.90	
			For Class 56 Rating, Add	424.52	
40 05 19 00-0087	EA		8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,105.37	417.27
			For Class 52 Rating, Deduct	-162.05	
			For Class 54 Rating, Add	228.56	
			For Class 55 Rating, Add	343.68	
			For Class 56 Rating, Add	457.34	
40 05 19 00-0088	EA		8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,222.44	421.66
			For Class 52 Rating, Deduct	-174.19	
			For Class 54 Rating, Add	245.20	
			For Class 55 Rating, Add	368.47	
			For Class 56 Rating, Add	490.15	
40 05 19 00-0089	EA		8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,339.51	426.05
			For Class 52 Rating, Deduct	-186.34	
			For Class 54 Rating, Add	261.84	
			For Class 55 Rating, Add	393.25	
			For Class 56 Rating, Add	522.96	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0090	EA 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,456.59	430.45
	For Class 52 Rating, Deduct	-198.48	
	For Class 54 Rating, Add	278.49	
	For Class 55 Rating, Add	418.03	
	For Class 56 Rating, Add	555.78	
40 05 19 00-0091	EA 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,573.66	434.84
	For Class 52 Rating, Deduct	-210.63	
	For Class 54 Rating, Add	295.13	
	For Class 55 Rating, Add	442.82	
	For Class 56 Rating, Add	588.59	
40 05 19 00-0092	EA 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,690.75	439.23
	For Class 52 Rating, Deduct	-222.78	
	For Class 54 Rating, Add	311.77	
	For Class 55 Rating, Add	467.60	
	For Class 56 Rating, Add	621.41	
40 05 19 00-0093	EA 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,807.82	443.62
	For Class 52 Rating, Deduct	-234.92	
	For Class 54 Rating, Add	328.42	
	For Class 55 Rating, Add	492.39	
	For Class 56 Rating, Add	654.22	
40 05 19 00-0094	EA 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,924.90	448.02
	For Class 52 Rating, Deduct	-247.07	
	For Class 54 Rating, Add	345.06	
	For Class 55 Rating, Add	517.17	
	For Class 56 Rating, Add	687.03	
40 05 19 00-0095	EA 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,041.97	452.40
	For Class 52 Rating, Deduct	-259.22	
	For Class 54 Rating, Add	361.70	
	For Class 55 Rating, Add	541.95	
	For Class 56 Rating, Add	719.85	
40 05 19 00-0096	EA 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,159.05	456.80
	For Class 52 Rating, Deduct	-271.36	
	For Class 54 Rating, Add	378.35	
	For Class 55 Rating, Add	566.74	
	For Class 56 Rating, Add	752.66	
40 05 19 00-0097	EA 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,276.14	461.19
	For Class 52 Rating, Deduct	-283.51	
	For Class 54 Rating, Add	394.99	
	For Class 55 Rating, Add	591.52	
	For Class 56 Rating, Add	785.48	
40 05 19 00-0098	EA 8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,393.21	465.59
	For Class 52 Rating, Deduct	-295.66	
	For Class 54 Rating, Add	411.63	
	For Class 55 Rating, Add	616.31	
	For Class 56 Rating, Add	818.29	
40 05 19 00-0099	EA 8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,510.28	469.97
	For Class 52 Rating, Deduct	-307.80	
	For Class 54 Rating, Add	428.27	
	For Class 55 Rating, Add	641.09	
	For Class 56 Rating, Add	851.10	
40 05 19 00-0100	EA 8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,627.36	474.37
	For Class 52 Rating, Deduct	-319.95	
	For Class 54 Rating, Add	444.92	
	For Class 55 Rating, Add	665.87	
	For Class 56 Rating, Add	883.92	
40 05 19 00-0101	EA 8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,744.45	478.76
	For Class 52 Rating, Deduct	-332.10	
	For Class 54 Rating, Add	461.56	
	For Class 55 Rating, Add	690.66	
	For Class 56 Rating, Add	916.73	
40 05 19 00-0102	EA 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,861.52	483.15
	For Class 52 Rating, Deduct	-344.24	
	For Class 54 Rating, Add	478.21	
	For Class 55 Rating, Add	715.44	
	For Class 56 Rating, Add	949.55	
40 05 19 00-0103	EA 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,978.59	487.54
	For Class 52 Rating, Deduct	-356.39	
	For Class 54 Rating, Add	494.85	
	For Class 55 Rating, Add	740.22	
	For Class 56 Rating, Add	982.36	
40 05 19 00-0104	EA 8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,095.68	491.94
	For Class 52 Rating, Deduct	-368.54	
	For Class 54 Rating, Add	511.49	
	For Class 55 Rating, Add	765.01	
	For Class 56 Rating, Add	1,015.18	
40 05 19 00-0105	EA 8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,212.75	496.33
	For Class 52 Rating, Deduct	-380.68	
	For Class 54 Rating, Add	528.14	
	For Class 55 Rating, Add	789.79	
	For Class 56 Rating, Add	1,047.99	
40 05 19 00-0106	EA 8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,329.83	500.72
	For Class 52 Rating, Deduct	-392.83	
	For Class 54 Rating, Add	544.78	
	For Class 55 Rating, Add	814.58	
	For Class 56 Rating, Add	1,080.80	
40 05 19 00-0107	EA 8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,446.90	505.11
	For Class 52 Rating, Deduct	-404.97	
	For Class 54 Rating, Add	561.42	
	For Class 55 Rating, Add	839.36	
	For Class 56 Rating, Add	1,113.62	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-0108	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,563.99		509.51
		For Class 52 Rating, Deduct	-417.12		
		For Class 54 Rating, Add	578.07		
		For Class 55 Rating, Add	864.15		
		For Class 56 Rating, Add	1,146.43		
40 05 19 00-0109	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,681.06		513.90
		For Class 52 Rating, Deduct	-429.27		
		For Class 54 Rating, Add	594.71		
		For Class 55 Rating, Add	888.93		
		For Class 56 Rating, Add	1,179.25		
40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,798.13		518.29
		For Class 52 Rating, Deduct	-441.41		
		For Class 54 Rating, Add	611.35		
		For Class 55 Rating, Add	913.71		
		For Class 56 Rating, Add	1,212.06		
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,915.21		522.68
		For Class 52 Rating, Deduct	-453.56		
		For Class 54 Rating, Add	627.99		
		For Class 55 Rating, Add	938.50		
		For Class 56 Rating, Add	1,244.87		
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,032.30		527.08
		For Class 52 Rating, Deduct	-465.71		
		For Class 54 Rating, Add	644.64		
		For Class 55 Rating, Add	963.28		
		For Class 56 Rating, Add	1,277.69		
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,149.37		531.46
		For Class 52 Rating, Deduct	-477.85		
		For Class 54 Rating, Add	661.28		
		For Class 55 Rating, Add	988.06		
		For Class 56 Rating, Add	1,310.50		
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,266.44		535.86
		For Class 52 Rating, Deduct	-490.00		
		For Class 54 Rating, Add	677.92		
		For Class 55 Rating, Add	1,012.85		
		For Class 56 Rating, Add	1,343.32		
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,383.53		540.25
		For Class 52 Rating, Deduct	-502.15		
		For Class 54 Rating, Add	694.57		
		For Class 55 Rating, Add	1,037.63		
		For Class 56 Rating, Add	1,376.13		
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,500.60		544.65
		For Class 52 Rating, Deduct	-514.29		
		For Class 54 Rating, Add	711.21		
		For Class 55 Rating, Add	1,062.42		
		For Class 56 Rating, Add	1,408.95		
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,617.68		549.03
		For Class 52 Rating, Deduct	-526.44		
		For Class 54 Rating, Add	727.85		
		For Class 55 Rating, Add	1,087.20		
		For Class 56 Rating, Add	1,441.76		
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,734.75		553.43
		For Class 52 Rating, Deduct	-538.59		
		For Class 54 Rating, Add	744.50		
		For Class 55 Rating, Add	1,111.98		
		For Class 56 Rating, Add	1,474.57		
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,851.83		557.82
		For Class 52 Rating, Deduct	-550.73		
		For Class 54 Rating, Add	761.14		
		For Class 55 Rating, Add	1,136.77		
		For Class 56 Rating, Add	1,507.39		
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,968.91		562.21
		For Class 52 Rating, Deduct	-562.88		
		For Class 54 Rating, Add	777.78		
		For Class 55 Rating, Add	1,161.55		
		For Class 56 Rating, Add	1,540.20		
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,085.99		566.60
		For Class 52 Rating, Deduct	-575.03		
		For Class 54 Rating, Add	794.43		
		For Class 55 Rating, Add	1,186.34		
		For Class 56 Rating, Add	1,573.02		
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,203.07		571.00
		For Class 52 Rating, Deduct	-587.17		
		For Class 54 Rating, Add	811.07		
		For Class 55 Rating, Add	1,211.12		
		For Class 56 Rating, Add	1,605.83		
40 05 19 00-0123		10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)			
40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,210.97		491.94
		For Class 52 Rating, Deduct	-161.22		
		For Class 54 Rating, Add	228.79		
		For Class 55 Rating, Add	344.72		
		For Class 56 Rating, Add	459.19		
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,363.17		496.33
		For Class 52 Rating, Deduct	-177.23		
		For Class 54 Rating, Add	250.70		
		For Class 55 Rating, Add	377.34		
		For Class 56 Rating, Add	502.36		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
40 05 19 00-0126	EA 10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,515.39		500.72
	For Class 52 Rating, Deduct	-193.24		
	For Class 54 Rating, Add	272.61		
	For Class 55 Rating, Add	409.96		
	For Class 56 Rating, Add	545.54		
40 05 19 00-0127	EA 10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,667.60		505.11
	For Class 52 Rating, Deduct	-209.25		
	For Class 54 Rating, Add	294.53		
	For Class 55 Rating, Add	442.58		
	For Class 56 Rating, Add	588.72		
40 05 19 00-0128	EA 10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,819.81		509.51
	For Class 52 Rating, Deduct	-225.26		
	For Class 54 Rating, Add	316.44		
	For Class 55 Rating, Add	475.19		
	For Class 56 Rating, Add	631.90		
40 05 19 00-0129	EA 10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,972.02		513.90
	For Class 52 Rating, Deduct	-241.27		
	For Class 54 Rating, Add	338.35		
	For Class 55 Rating, Add	507.81		
	For Class 56 Rating, Add	675.08		
40 05 19 00-0130	EA 10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,124.23		518.29
	For Class 52 Rating, Deduct	-257.28		
	For Class 54 Rating, Add	360.27		
	For Class 55 Rating, Add	540.43		
	For Class 56 Rating, Add	718.26		
40 05 19 00-0131	EA 10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,276.44		522.68
	For Class 52 Rating, Deduct	-273.30		
	For Class 54 Rating, Add	382.18		
	For Class 55 Rating, Add	573.05		
	For Class 56 Rating, Add	761.44		
40 05 19 00-0132	EA 10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,428.66		527.08
	For Class 52 Rating, Deduct	-289.31		
	For Class 54 Rating, Add	404.09		
	For Class 55 Rating, Add	605.67		
	For Class 56 Rating, Add	804.62		
40 05 19 00-0133	EA 10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,580.87		531.46
	For Class 52 Rating, Deduct	-305.32		
	For Class 54 Rating, Add	426.01		
	For Class 55 Rating, Add	638.29		
	For Class 56 Rating, Add	847.80		
40 05 19 00-0134	EA 10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,733.07		535.86
	For Class 52 Rating, Deduct	-321.33		
	For Class 54 Rating, Add	447.92		
	For Class 55 Rating, Add	670.91		
	For Class 56 Rating, Add	890.97		
40 05 19 00-0135	EA 10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,885.30		540.25
	For Class 52 Rating, Deduct	-337.34		
	For Class 54 Rating, Add	469.83		
	For Class 55 Rating, Add	703.53		
	For Class 56 Rating, Add	934.15		
40 05 19 00-0136	EA 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,037.51		544.65
	For Class 52 Rating, Deduct	-353.35		
	For Class 54 Rating, Add	491.75		
	For Class 55 Rating, Add	736.15		
	For Class 56 Rating, Add	977.33		
40 05 19 00-0137	EA 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,189.71		549.03
	For Class 52 Rating, Deduct	-369.36		
	For Class 54 Rating, Add	513.66		
	For Class 55 Rating, Add	768.76		
	For Class 56 Rating, Add	1,020.51		
40 05 19 00-0138	EA 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,341.92		553.43
	For Class 52 Rating, Deduct	-385.37		
	For Class 54 Rating, Add	535.57		
	For Class 55 Rating, Add	801.38		
	For Class 56 Rating, Add	1,063.69		
40 05 19 00-0139	EA 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,494.14		557.82
	For Class 52 Rating, Deduct	-401.39		
	For Class 54 Rating, Add	557.49		
	For Class 55 Rating, Add	834.00		
	For Class 56 Rating, Add	1,106.87		
40 05 19 00-0140	EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,646.36		562.21
	For Class 52 Rating, Deduct	-417.40		
	For Class 54 Rating, Add	579.40		
	For Class 55 Rating, Add	866.62		
	For Class 56 Rating, Add	1,150.05		
40 05 19 00-0141	EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,798.56		566.60
	For Class 52 Rating, Deduct	-433.41		
	For Class 54 Rating, Add	601.31		
	For Class 55 Rating, Add	899.24		
	For Class 56 Rating, Add	1,193.23		
40 05 19 00-0142	EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,950.78		571.00
	For Class 52 Rating, Deduct	-449.42		
	For Class 54 Rating, Add	623.23		
	For Class 55 Rating, Add	931.86		
	For Class 56 Rating, Add	1,236.41		
40 05 19 00-0143	EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,102.99		575.39
	For Class 52 Rating, Deduct	-465.43		
	For Class 54 Rating, Add	645.14		
	For Class 55 Rating, Add	964.48		
	For Class 56 Rating, Add	1,279.59		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0144	EA	10"	Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,255.19	579.78
			For Class 52 Rating, Deduct	-481.44	
			For Class 54 Rating, Add	667.05	
			For Class 55 Rating, Add	997.10	
			For Class 56 Rating, Add	1,322.76	
40 05 19 00-0145	EA	10"	Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,407.41	584.17
			For Class 52 Rating, Deduct	-497.45	
			For Class 54 Rating, Add	688.97	
			For Class 55 Rating, Add	1,029.72	
			For Class 56 Rating, Add	1,365.94	
40 05 19 00-0146	EA	10"	Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,559.63	588.57
			For Class 52 Rating, Deduct	-513.46	
			For Class 54 Rating, Add	710.88	
			For Class 55 Rating, Add	1,062.34	
			For Class 56 Rating, Add	1,409.12	
40 05 19 00-0147	EA	10"	Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,711.83	592.96
			For Class 52 Rating, Deduct	-529.48	
			For Class 54 Rating, Add	732.79	
			For Class 55 Rating, Add	1,094.95	
			For Class 56 Rating, Add	1,452.30	
40 05 19 00-0148	EA	10"	Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,864.04	597.35
			For Class 52 Rating, Deduct	-545.49	
			For Class 54 Rating, Add	754.71	
			For Class 55 Rating, Add	1,127.57	
			For Class 56 Rating, Add	1,495.48	
40 05 19 00-0149	EA	10"	Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,016.27	601.74
			For Class 52 Rating, Deduct	-561.50	
			For Class 54 Rating, Add	776.62	
			For Class 55 Rating, Add	1,160.19	
			For Class 56 Rating, Add	1,538.66	
40 05 19 00-0150	EA	10"	Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,168.47	606.14
			For Class 52 Rating, Deduct	-577.51	
			For Class 54 Rating, Add	798.53	
			For Class 55 Rating, Add	1,192.81	
			For Class 56 Rating, Add	1,581.84	
40 05 19 00-0151	EA	10"	Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,320.68	610.52
			For Class 52 Rating, Deduct	-593.52	
			For Class 54 Rating, Add	820.45	
			For Class 55 Rating, Add	1,225.43	
			For Class 56 Rating, Add	1,625.02	
40 05 19 00-0152	EA	10"	Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,472.89	614.92
			For Class 52 Rating, Deduct	-609.53	
			For Class 54 Rating, Add	842.36	
			For Class 55 Rating, Add	1,258.05	
			For Class 56 Rating, Add	1,668.19	
40 05 19 00-0153	EA	10"	Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,625.10	619.31
			For Class 52 Rating, Deduct	-625.54	
			For Class 54 Rating, Add	864.27	
			For Class 55 Rating, Add	1,290.67	
			For Class 56 Rating, Add	1,711.37	
40 05 19 00-0154	EA	10"	Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,777.32	623.71
			For Class 52 Rating, Deduct	-641.55	
			For Class 54 Rating, Add	886.19	
			For Class 55 Rating, Add	1,323.29	
			For Class 56 Rating, Add	1,754.55	
40 05 19 00-0155	EA	10"	Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,927.02	628.09
			For Class 52 Rating, Deduct	-657.29	
			For Class 54 Rating, Add	907.72	
			For Class 55 Rating, Add	1,355.35	
			For Class 56 Rating, Add	1,796.99	
40 05 19 00-0156	EA	10"	Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,081.74	632.49
			For Class 52 Rating, Deduct	-673.58	
			For Class 54 Rating, Add	930.01	
			For Class 55 Rating, Add	1,388.52	
			For Class 56 Rating, Add	1,840.91	
40 05 19 00-0157	EA	10"	Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,233.95	636.88
			For Class 52 Rating, Deduct	-689.59	
			For Class 54 Rating, Add	951.93	
			For Class 55 Rating, Add	1,421.14	
			For Class 56 Rating, Add	1,884.09	
40 05 19 00-0158	EA	10"	Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,386.17	641.27
			For Class 52 Rating, Deduct	-705.60	
			For Class 54 Rating, Add	973.84	
			For Class 55 Rating, Add	1,453.76	
			For Class 56 Rating, Add	1,927.27	
40 05 19 00-0159	EA	10"	Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,538.37	645.66
			For Class 52 Rating, Deduct	-721.61	
			For Class 54 Rating, Add	995.75	
			For Class 55 Rating, Add	1,486.38	
			For Class 56 Rating, Add	1,970.44	
40 05 19 00-0160	EA	10"	Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,690.59	650.06
			For Class 52 Rating, Deduct	-737.62	
			For Class 54 Rating, Add	1,017.67	
			For Class 55 Rating, Add	1,519.00	
			For Class 56 Rating, Add	2,013.62	
40 05 19 00-0161	EA	10"	Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,842.80	654.45
			For Class 52 Rating, Deduct	-753.63	
			For Class 54 Rating, Add	1,039.58	
			For Class 55 Rating, Add	1,551.62	
			For Class 56 Rating, Add	2,056.80	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
40 05 19 00-0162	EA 10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,995.00		658.84
	For Class 52 Rating, Deduct	-769.64		
	For Class 54 Rating, Add	1,061.49		
	For Class 55 Rating, Add	1,584.24		
	For Class 56 Rating, Add	2,099.98		
40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)				
40 05 19 00-0164	EA 12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,894.20		614.92
	For Class 52 Rating, Deduct	-215.88		
	For Class 54 Rating, Add	305.56		
	For Class 55 Rating, Add	460.00		
	For Class 56 Rating, Add	612.48		
40 05 19 00-0165	EA 12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,084.06		619.31
	For Class 52 Rating, Deduct	-236.03		
	For Class 54 Rating, Add	333.12		
	For Class 55 Rating, Add	501.01		
	For Class 56 Rating, Add	666.77		
40 05 19 00-0166	EA 12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,273.92		623.71
	For Class 52 Rating, Deduct	-256.18		
	For Class 54 Rating, Add	360.68		
	For Class 55 Rating, Add	542.03		
	For Class 56 Rating, Add	721.05		
40 05 19 00-0167	EA 12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,463.77		628.09
	For Class 52 Rating, Deduct	-276.33		
	For Class 54 Rating, Add	388.24		
	For Class 55 Rating, Add	583.04		
	For Class 56 Rating, Add	775.33		
40 05 19 00-0168	EA 12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,653.63		632.49
	For Class 52 Rating, Deduct	-296.48		
	For Class 54 Rating, Add	415.80		
	For Class 55 Rating, Add	624.05		
	For Class 56 Rating, Add	829.62		
40 05 19 00-0169	EA 12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,843.48		636.88
	For Class 52 Rating, Deduct	-316.64		
	For Class 54 Rating, Add	443.36		
	For Class 55 Rating, Add	665.07		
	For Class 56 Rating, Add	883.90		
40 05 19 00-0170	EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,033.34		641.27
	For Class 52 Rating, Deduct	-336.79		
	For Class 54 Rating, Add	470.92		
	For Class 55 Rating, Add	706.08		
	For Class 56 Rating, Add	938.18		
40 05 19 00-0171	EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,223.19		645.66
	For Class 52 Rating, Deduct	-356.94		
	For Class 54 Rating, Add	498.48		
	For Class 55 Rating, Add	747.09		
	For Class 56 Rating, Add	992.47		
40 05 19 00-0172	EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,413.05		650.06
	For Class 52 Rating, Deduct	-377.09		
	For Class 54 Rating, Add	526.04		
	For Class 55 Rating, Add	788.11		
	For Class 56 Rating, Add	1,046.75		
40 05 19 00-0173	EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,602.90		654.45
	For Class 52 Rating, Deduct	-397.24		
	For Class 54 Rating, Add	553.60		
	For Class 55 Rating, Add	829.12		
	For Class 56 Rating, Add	1,101.03		
40 05 19 00-0174	EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,792.76		658.84
	For Class 52 Rating, Deduct	-417.40		
	For Class 54 Rating, Add	581.16		
	For Class 55 Rating, Add	870.14		
	For Class 56 Rating, Add	1,155.32		
40 05 19 00-0175	EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,982.62		663.23
	For Class 52 Rating, Deduct	-437.55		
	For Class 54 Rating, Add	608.72		
	For Class 55 Rating, Add	911.15		
	For Class 56 Rating, Add	1,209.60		
40 05 19 00-0176	EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,172.48		667.63
	For Class 52 Rating, Deduct	-457.70		
	For Class 54 Rating, Add	636.28		
	For Class 55 Rating, Add	952.16		
	For Class 56 Rating, Add	1,263.89		
40 05 19 00-0177	EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,362.33		672.02
	For Class 52 Rating, Deduct	-477.85		
	For Class 54 Rating, Add	663.84		
	For Class 55 Rating, Add	993.18		
	For Class 56 Rating, Add	1,318.17		
40 05 19 00-0178	EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,552.18		676.41
	For Class 52 Rating, Deduct	-498.01		
	For Class 54 Rating, Add	691.40		
	For Class 55 Rating, Add	1,034.19		
	For Class 56 Rating, Add	1,372.45		
40 05 19 00-0179	EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,742.04		680.80
	For Class 52 Rating, Deduct	-518.16		
	For Class 54 Rating, Add	718.96		
	For Class 55 Rating, Add	1,075.20		
	For Class 56 Rating, Add	1,426.74		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,931.90	685.20	
		For Class 52 Rating, Deduct	-538.31		
		For Class 54 Rating, Add	746.52		
		For Class 55 Rating, Add	1,116.22		
		For Class 56 Rating, Add	1,481.02		
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,121.75	689.58	
		For Class 52 Rating, Deduct	-558.46		
		For Class 54 Rating, Add	774.08		
		For Class 55 Rating, Add	1,157.23		
		For Class 56 Rating, Add	1,535.31		
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,311.60	693.98	
		For Class 52 Rating, Deduct	-578.61		
		For Class 54 Rating, Add	801.64		
		For Class 55 Rating, Add	1,198.24		
		For Class 56 Rating, Add	1,589.59		
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,501.46	698.37	
		For Class 52 Rating, Deduct	-598.77		
		For Class 54 Rating, Add	829.20		
		For Class 55 Rating, Add	1,239.26		
		For Class 56 Rating, Add	1,643.87		
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,691.32	702.77	
		For Class 52 Rating, Deduct	-618.92		
		For Class 54 Rating, Add	856.76		
		For Class 55 Rating, Add	1,280.27		
		For Class 56 Rating, Add	1,698.16		
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,881.17	707.15	
		For Class 52 Rating, Deduct	-639.07		
		For Class 54 Rating, Add	884.32		
		For Class 55 Rating, Add	1,321.28		
		For Class 56 Rating, Add	1,752.44		
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,071.03	711.55	
		For Class 52 Rating, Deduct	-659.22		
		For Class 54 Rating, Add	911.88		
		For Class 55 Rating, Add	1,362.30		
		For Class 56 Rating, Add	1,806.72		
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,260.89	715.94	
		For Class 52 Rating, Deduct	-679.37		
		For Class 54 Rating, Add	939.44		
		For Class 55 Rating, Add	1,403.31		
		For Class 56 Rating, Add	1,861.01		
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,450.74	720.33	
		For Class 52 Rating, Deduct	-699.53		
		For Class 54 Rating, Add	967.00		
		For Class 55 Rating, Add	1,444.32		
		For Class 56 Rating, Add	1,915.29		
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,640.60	724.72	
		For Class 52 Rating, Deduct	-719.68		
		For Class 54 Rating, Add	994.56		
		For Class 55 Rating, Add	1,485.34		
		For Class 56 Rating, Add	1,969.58		
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,830.46	729.12	
		For Class 52 Rating, Deduct	-739.83		
		For Class 54 Rating, Add	1,022.12		
		For Class 55 Rating, Add	1,526.35		
		For Class 56 Rating, Add	2,023.86		
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,020.31	733.51	
		For Class 52 Rating, Deduct	-759.98		
		For Class 54 Rating, Add	1,049.68		
		For Class 55 Rating, Add	1,567.36		
		For Class 56 Rating, Add	2,078.14		
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,210.16	737.90	
		For Class 52 Rating, Deduct	-780.13		
		For Class 54 Rating, Add	1,077.24		
		For Class 55 Rating, Add	1,608.38		
		For Class 56 Rating, Add	2,132.43		
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,400.02	742.29	
		For Class 52 Rating, Deduct	-800.29		
		For Class 54 Rating, Add	1,104.80		
		For Class 55 Rating, Add	1,649.39		
		For Class 56 Rating, Add	2,186.71		
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,589.88	746.69	
		For Class 52 Rating, Deduct	-820.44		
		For Class 54 Rating, Add	1,132.36		
		For Class 55 Rating, Add	1,690.40		
		For Class 56 Rating, Add	2,240.99		
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,779.73	751.08	
		For Class 52 Rating, Deduct	-840.59		
		For Class 54 Rating, Add	1,159.92		
		For Class 55 Rating, Add	1,731.42		
		For Class 56 Rating, Add	2,295.28		
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,969.58	755.47	
		For Class 52 Rating, Deduct	-860.74		
		For Class 54 Rating, Add	1,187.48		
		For Class 55 Rating, Add	1,772.43		
		For Class 56 Rating, Add	2,349.56		
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,159.44	759.86	
		For Class 52 Rating, Deduct	-880.89		
		For Class 54 Rating, Add	1,215.04		
		For Class 55 Rating, Add	1,813.44		
		For Class 56 Rating, Add	2,403.85		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,349.30	764.26
		For Class 52 Rating, Deduct	-901.05	
		For Class 54 Rating, Add	1,242.60	
		For Class 55 Rating, Add	1,854.46	
		For Class 56 Rating, Add	2,458.13	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,539.16	768.65
		For Class 52 Rating, Deduct	-921.20	
		For Class 54 Rating, Add	1,270.16	
		For Class 55 Rating, Add	1,895.47	
		For Class 56 Rating, Add	2,512.42	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,729.02	773.04
		For Class 52 Rating, Deduct	-941.35	
		For Class 54 Rating, Add	1,297.72	
		For Class 55 Rating, Add	1,936.49	
		For Class 56 Rating, Add	2,566.70	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,918.87	777.44
		For Class 52 Rating, Deduct	-961.50	
		For Class 54 Rating, Add	1,325.28	
		For Class 55 Rating, Add	1,977.50	
		For Class 56 Rating, Add	2,620.98	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,108.72	781.83
		For Class 52 Rating, Deduct	-981.66	
		For Class 54 Rating, Add	1,352.84	
		For Class 55 Rating, Add	2,018.51	
		For Class 56 Rating, Add	2,675.27	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0002)

40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,866.04	737.90
		For Class 52 Rating, Deduct	-302.28	
		For Class 54 Rating, Add	425.62	
		For Class 55 Rating, Add	639.64	
		For Class 56 Rating, Add	850.91	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,096.06	742.29
		For Class 52 Rating, Deduct	-326.85	
		For Class 54 Rating, Add	459.20	
		For Class 55 Rating, Add	689.61	
		For Class 56 Rating, Add	917.04	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,326.07	746.69
		For Class 52 Rating, Deduct	-351.42	
		For Class 54 Rating, Add	492.78	
		For Class 55 Rating, Add	739.57	
		For Class 56 Rating, Add	983.17	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,556.08	751.08
		For Class 52 Rating, Deduct	-375.99	
		For Class 54 Rating, Add	526.37	
		For Class 55 Rating, Add	789.54	
		For Class 56 Rating, Add	1,049.30	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,786.08	755.47
		For Class 52 Rating, Deduct	-400.56	
		For Class 54 Rating, Add	559.95	
		For Class 55 Rating, Add	839.51	
		For Class 56 Rating, Add	1,115.43	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,016.09	759.86
		For Class 52 Rating, Deduct	-425.13	
		For Class 54 Rating, Add	593.53	
		For Class 55 Rating, Add	889.48	
		For Class 56 Rating, Add	1,181.56	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,246.11	764.26
		For Class 52 Rating, Deduct	-449.70	
		For Class 54 Rating, Add	627.12	
		For Class 55 Rating, Add	939.45	
		For Class 56 Rating, Add	1,247.69	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,476.11	768.65
		For Class 52 Rating, Deduct	-474.26	
		For Class 54 Rating, Add	660.70	
		For Class 55 Rating, Add	989.41	
		For Class 56 Rating, Add	1,313.82	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,706.13	773.04
		For Class 52 Rating, Deduct	-498.83	
		For Class 54 Rating, Add	694.28	
		For Class 55 Rating, Add	1,039.38	
		For Class 56 Rating, Add	1,379.95	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,936.13	777.44
		For Class 52 Rating, Deduct	-523.40	
		For Class 54 Rating, Add	727.87	
		For Class 55 Rating, Add	1,089.35	
		For Class 56 Rating, Add	1,446.07	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,166.14	781.83
		For Class 52 Rating, Deduct	-547.97	
		For Class 54 Rating, Add	761.45	
		For Class 55 Rating, Add	1,139.32	
		For Class 56 Rating, Add	1,512.21	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,396.15	786.22
		For Class 52 Rating, Deduct	-572.54	
		For Class 54 Rating, Add	795.03	
		For Class 55 Rating, Add	1,189.28	
		For Class 56 Rating, Add	1,578.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0216	EA	14"	Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,626.16	790.61
			For Class 52 Rating, Deduct	-597.11	
			For Class 54 Rating, Add	828.61	
			For Class 55 Rating, Add	1,239.25	
			For Class 56 Rating, Add	1,644.46	
40 05 19 00-0217	EA	14"	Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,856.17	795.01
			For Class 52 Rating, Deduct	-621.68	
			For Class 54 Rating, Add	862.20	
			For Class 55 Rating, Add	1,289.22	
			For Class 56 Rating, Add	1,710.59	
40 05 19 00-0218	EA	14"	Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,086.17	799.40
			For Class 52 Rating, Deduct	-646.25	
			For Class 54 Rating, Add	895.78	
			For Class 55 Rating, Add	1,339.19	
			For Class 56 Rating, Add	1,776.72	
40 05 19 00-0219	EA	14"	Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,316.20	803.79
			For Class 52 Rating, Deduct	-670.82	
			For Class 54 Rating, Add	929.36	
			For Class 55 Rating, Add	1,389.16	
			For Class 56 Rating, Add	1,842.85	
40 05 19 00-0220	EA	14"	Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,546.20	808.18
			For Class 52 Rating, Deduct	-695.38	
			For Class 54 Rating, Add	962.95	
			For Class 55 Rating, Add	1,439.12	
			For Class 56 Rating, Add	1,908.98	
40 05 19 00-0221	EA	14"	Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,776.21	812.58
			For Class 52 Rating, Deduct	-719.95	
			For Class 54 Rating, Add	996.53	
			For Class 55 Rating, Add	1,489.09	
			For Class 56 Rating, Add	1,975.11	
40 05 19 00-0222	EA	14"	Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,006.21	816.96
			For Class 52 Rating, Deduct	-744.52	
			For Class 54 Rating, Add	1,030.11	
			For Class 55 Rating, Add	1,539.06	
			For Class 56 Rating, Add	2,041.24	
40 05 19 00-0223	EA	14"	Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,236.23	821.36
			For Class 52 Rating, Deduct	-769.09	
			For Class 54 Rating, Add	1,063.70	
			For Class 55 Rating, Add	1,589.03	
			For Class 56 Rating, Add	2,107.37	
40 05 19 00-0224	EA	14"	Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,466.24	825.75
			For Class 52 Rating, Deduct	-793.66	
			For Class 54 Rating, Add	1,097.28	
			For Class 55 Rating, Add	1,638.99	
			For Class 56 Rating, Add	2,173.50	
40 05 19 00-0225	EA	14"	Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,696.24	830.15
			For Class 52 Rating, Deduct	-818.23	
			For Class 54 Rating, Add	1,130.86	
			For Class 55 Rating, Add	1,688.96	
			For Class 56 Rating, Add	2,239.62	
40 05 19 00-0226	EA	14"	Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,926.25	834.53
			For Class 52 Rating, Deduct	-842.80	
			For Class 54 Rating, Add	1,164.44	
			For Class 55 Rating, Add	1,738.93	
			For Class 56 Rating, Add	2,305.75	
40 05 19 00-0227	EA	14"	Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,156.26	838.93
			For Class 52 Rating, Deduct	-867.37	
			For Class 54 Rating, Add	1,198.03	
			For Class 55 Rating, Add	1,788.90	
			For Class 56 Rating, Add	2,371.88	
40 05 19 00-0228	EA	14"	Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,386.27	843.32
			For Class 52 Rating, Deduct	-891.94	
			For Class 54 Rating, Add	1,231.61	
			For Class 55 Rating, Add	1,838.87	
			For Class 56 Rating, Add	2,438.01	
40 05 19 00-0229	EA	14"	Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,616.28	847.71
			For Class 52 Rating, Deduct	-916.51	
			For Class 54 Rating, Add	1,265.19	
			For Class 55 Rating, Add	1,888.83	
			For Class 56 Rating, Add	2,504.14	
40 05 19 00-0230	EA	14"	Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,846.30	852.10
			For Class 52 Rating, Deduct	-941.08	
			For Class 54 Rating, Add	1,298.78	
			For Class 55 Rating, Add	1,938.80	
			For Class 56 Rating, Add	2,570.27	
40 05 19 00-0231	EA	14"	Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,076.30	856.50
			For Class 52 Rating, Deduct	-965.64	
			For Class 54 Rating, Add	1,332.36	
			For Class 55 Rating, Add	1,988.77	
			For Class 56 Rating, Add	2,636.40	
40 05 19 00-0232	EA	14"	Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,306.31	860.89
			For Class 52 Rating, Deduct	-990.21	
			For Class 54 Rating, Add	1,365.94	
			For Class 55 Rating, Add	2,038.74	
			For Class 56 Rating, Add	2,702.53	
40 05 19 00-0233	EA	14"	Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,536.32	865.28
			For Class 52 Rating, Deduct	-1,014.78	
			For Class 54 Rating, Add	1,399.53	
			For Class 55 Rating, Add	2,088.70	
			For Class 56 Rating, Add	2,768.66	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
40 05 19 00-0234	EA 14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,766.33		869.67
	For Class 52 Rating, Deduct	-1,039.35		
	For Class 54 Rating, Add	1,433.11		
	For Class 55 Rating, Add	2,138.67		
	For Class 56 Rating, Add	2,834.79		
40 05 19 00-0235	EA 14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,996.34		874.07
	For Class 52 Rating, Deduct	-1,063.92		
	For Class 54 Rating, Add	1,466.69		
	For Class 55 Rating, Add	2,188.64		
	For Class 56 Rating, Add	2,900.92		
40 05 19 00-0236	EA 14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,226.34		878.45
	For Class 52 Rating, Deduct	-1,088.49		
	For Class 54 Rating, Add	1,500.27		
	For Class 55 Rating, Add	2,238.61		
	For Class 56 Rating, Add	2,967.04		
40 05 19 00-0237	EA 14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,456.36		882.85
	For Class 52 Rating, Deduct	-1,113.06		
	For Class 54 Rating, Add	1,533.86		
	For Class 55 Rating, Add	2,288.58		
	For Class 56 Rating, Add	3,033.17		
40 05 19 00-0238	EA 14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,686.37		887.24
	For Class 52 Rating, Deduct	-1,137.63		
	For Class 54 Rating, Add	1,567.44		
	For Class 55 Rating, Add	2,338.54		
	For Class 56 Rating, Add	3,099.30		
40 05 19 00-0239	EA 14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,916.38		891.64
	For Class 52 Rating, Deduct	-1,162.20		
	For Class 54 Rating, Add	1,601.02		
	For Class 55 Rating, Add	2,388.51		
	For Class 56 Rating, Add	3,165.43		
40 05 19 00-0240	EA 14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,146.38		896.02
	For Class 52 Rating, Deduct	-1,186.76		
	For Class 54 Rating, Add	1,634.61		
	For Class 55 Rating, Add	2,438.48		
	For Class 56 Rating, Add	3,231.56		
40 05 19 00-0241	EA 14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,376.39		900.42
	For Class 52 Rating, Deduct	-1,211.33		
	For Class 54 Rating, Add	1,668.19		
	For Class 55 Rating, Add	2,488.45		
	For Class 56 Rating, Add	3,297.69		
40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)				
40 05 19 00-0243	EA 16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,535.21		843.32
	For Class 52 Rating, Deduct	-358.32		
	For Class 54 Rating, Add	503.95		
	For Class 55 Rating, Add	757.08		
	For Class 56 Rating, Add	1,006.95		
40 05 19 00-0244	EA 16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,802.87		847.71
	For Class 52 Rating, Deduct	-387.03		
	For Class 54 Rating, Add	543.18		
	For Class 55 Rating, Add	815.44		
	For Class 56 Rating, Add	1,084.18		
40 05 19 00-0245	EA 16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,070.53		852.10
	For Class 52 Rating, Deduct	-415.74		
	For Class 54 Rating, Add	582.41		
	For Class 55 Rating, Add	873.81		
	For Class 56 Rating, Add	1,161.42		
40 05 19 00-0246	EA 16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,338.18		856.50
	For Class 52 Rating, Deduct	-444.45		
	For Class 54 Rating, Add	621.64		
	For Class 55 Rating, Add	932.17		
	For Class 56 Rating, Add	1,238.65		
40 05 19 00-0247	EA 16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,605.82		860.89
	For Class 52 Rating, Deduct	-473.16		
	For Class 54 Rating, Add	660.87		
	For Class 55 Rating, Add	990.53		
	For Class 56 Rating, Add	1,315.89		
40 05 19 00-0248	EA 16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,873.48		865.28
	For Class 52 Rating, Deduct	-501.87		
	For Class 54 Rating, Add	700.10		
	For Class 55 Rating, Add	1,048.89		
	For Class 56 Rating, Add	1,393.12		
40 05 19 00-0249	EA 16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,141.14		869.67
	For Class 52 Rating, Deduct	-530.58		
	For Class 54 Rating, Add	739.33		
	For Class 55 Rating, Add	1,107.25		
	For Class 56 Rating, Add	1,470.35		
40 05 19 00-0250	EA 16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,408.79		874.07
	For Class 52 Rating, Deduct	-559.29		
	For Class 54 Rating, Add	778.56		
	For Class 55 Rating, Add	1,165.62		
	For Class 56 Rating, Add	1,547.59		
40 05 19 00-0251	EA 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,676.44		878.45
	For Class 52 Rating, Deduct	-588.00		
	For Class 54 Rating, Add	817.79		
	For Class 55 Rating, Add	1,223.98		
	For Class 56 Rating, Add	1,624.82		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,944.10	882.85
		For Class 52 Rating, Deduct	-616.71	
		For Class 54 Rating, Add	857.02	
		For Class 55 Rating, Add	1,282.34	
		For Class 56 Rating, Add	1,702.06	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,211.75	887.24
		For Class 52 Rating, Deduct	-645.42	
		For Class 54 Rating, Add	896.25	
		For Class 55 Rating, Add	1,340.70	
		For Class 56 Rating, Add	1,779.29	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,479.40	891.64
		For Class 52 Rating, Deduct	-674.13	
		For Class 54 Rating, Add	935.48	
		For Class 55 Rating, Add	1,399.07	
		For Class 56 Rating, Add	1,856.52	
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,747.05	896.02
		For Class 52 Rating, Deduct	-702.84	
		For Class 54 Rating, Add	974.71	
		For Class 55 Rating, Add	1,457.43	
		For Class 56 Rating, Add	1,933.76	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,014.71	900.42
		For Class 52 Rating, Deduct	-731.55	
		For Class 54 Rating, Add	1,013.94	
		For Class 55 Rating, Add	1,515.79	
		For Class 56 Rating, Add	2,010.99	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,282.36	904.81
		For Class 52 Rating, Deduct	-760.26	
		For Class 54 Rating, Add	1,053.17	
		For Class 55 Rating, Add	1,574.15	
		For Class 56 Rating, Add	2,088.23	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,550.02	909.21
		For Class 52 Rating, Deduct	-788.97	
		For Class 54 Rating, Add	1,092.40	
		For Class 55 Rating, Add	1,632.52	
		For Class 56 Rating, Add	2,165.46	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,817.68	913.59
		For Class 52 Rating, Deduct	-817.68	
		For Class 54 Rating, Add	1,131.63	
		For Class 55 Rating, Add	1,690.88	
		For Class 56 Rating, Add	2,242.70	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,085.32	917.99
		For Class 52 Rating, Deduct	-846.39	
		For Class 54 Rating, Add	1,170.86	
		For Class 55 Rating, Add	1,749.24	
		For Class 56 Rating, Add	2,319.93	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,352.97	922.38
		For Class 52 Rating, Deduct	-875.10	
		For Class 54 Rating, Add	1,210.08	
		For Class 55 Rating, Add	1,807.60	
		For Class 56 Rating, Add	2,397.16	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,620.63	926.77
		For Class 52 Rating, Deduct	-903.81	
		For Class 54 Rating, Add	1,249.31	
		For Class 55 Rating, Add	1,865.96	
		For Class 56 Rating, Add	2,474.40	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,888.29	931.16
		For Class 52 Rating, Deduct	-932.52	
		For Class 54 Rating, Add	1,288.54	
		For Class 55 Rating, Add	1,924.33	
		For Class 56 Rating, Add	2,551.63	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,155.94	935.56
		For Class 52 Rating, Deduct	-961.23	
		For Class 54 Rating, Add	1,327.77	
		For Class 55 Rating, Add	1,982.69	
		For Class 56 Rating, Add	2,628.87	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,423.59	939.95
		For Class 52 Rating, Deduct	-989.94	
		For Class 54 Rating, Add	1,367.00	
		For Class 55 Rating, Add	2,041.05	
		For Class 56 Rating, Add	2,706.10	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,691.24	944.34
		For Class 52 Rating, Deduct	-1,018.65	
		For Class 54 Rating, Add	1,406.23	
		For Class 55 Rating, Add	2,099.41	
		For Class 56 Rating, Add	2,783.33	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,958.90	948.73
		For Class 52 Rating, Deduct	-1,047.36	
		For Class 54 Rating, Add	1,445.46	
		For Class 55 Rating, Add	2,157.78	
		For Class 56 Rating, Add	2,860.57	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,226.55	953.13
		For Class 52 Rating, Deduct	-1,076.07	
		For Class 54 Rating, Add	1,484.69	
		For Class 55 Rating, Add	2,216.14	
		For Class 56 Rating, Add	2,937.80	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,494.20	957.52
		For Class 52 Rating, Deduct	-1,104.78	
		For Class 54 Rating, Add	1,523.92	
		For Class 55 Rating, Add	2,274.50	
		For Class 56 Rating, Add	3,015.04	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0270	EA 16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,761.86	961.91
	For Class 52 Rating, Deduct	-1,133.49	
	For Class 54 Rating, Add	1,563.15	
	For Class 55 Rating, Add	2,332.86	
	For Class 56 Rating, Add	3,092.27	
40 05 19 00-0271	EA 16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,029.52	966.30
	For Class 52 Rating, Deduct	-1,162.20	
	For Class 54 Rating, Add	1,602.38	
	For Class 55 Rating, Add	2,391.23	
	For Class 56 Rating, Add	3,169.51	
40 05 19 00-0272	EA 16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,297.16	970.70
	For Class 52 Rating, Deduct	-1,190.91	
	For Class 54 Rating, Add	1,641.61	
	For Class 55 Rating, Add	2,449.59	
	For Class 56 Rating, Add	3,246.74	
40 05 19 00-0273	EA 16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,564.81	975.08
	For Class 52 Rating, Deduct	-1,219.62	
	For Class 54 Rating, Add	1,680.84	
	For Class 55 Rating, Add	2,507.95	
	For Class 56 Rating, Add	3,323.97	
40 05 19 00-0274	EA 16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,832.47	979.48
	For Class 52 Rating, Deduct	-1,248.33	
	For Class 54 Rating, Add	1,720.07	
	For Class 55 Rating, Add	2,566.31	
	For Class 56 Rating, Add	3,401.21	
40 05 19 00-0275	EA 16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,100.12	983.87
	For Class 52 Rating, Deduct	-1,277.04	
	For Class 54 Rating, Add	1,759.30	
	For Class 55 Rating, Add	2,624.68	
	For Class 56 Rating, Add	3,478.44	
40 05 19 00-0276	EA 16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,367.78	988.27
	For Class 52 Rating, Deduct	-1,305.75	
	For Class 54 Rating, Add	1,798.53	
	For Class 55 Rating, Add	2,683.04	
	For Class 56 Rating, Add	3,555.68	
40 05 19 00-0277	EA 16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,635.44	992.65
	For Class 52 Rating, Deduct	-1,334.46	
	For Class 54 Rating, Add	1,837.76	
	For Class 55 Rating, Add	2,741.40	
	For Class 56 Rating, Add	3,632.91	
40 05 19 00-0278	EA 16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,903.08	997.05
	For Class 52 Rating, Deduct	-1,363.16	
	For Class 54 Rating, Add	1,876.99	
	For Class 55 Rating, Add	2,799.76	
	For Class 56 Rating, Add	3,710.14	
40 05 19 00-0279	EA 16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,170.73	1,001.44
	For Class 52 Rating, Deduct	-1,391.87	
	For Class 54 Rating, Add	1,916.22	
	For Class 55 Rating, Add	2,858.12	
	For Class 56 Rating, Add	3,787.38	
40 05 19 00-0280	EA 16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,438.38	1,005.83
	For Class 52 Rating, Deduct	-1,420.58	
	For Class 54 Rating, Add	1,955.45	
	For Class 55 Rating, Add	2,916.49	
	For Class 56 Rating, Add	3,864.61	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0002)

40 05 19 00-0282	EA 18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,279.83	950.49
	For Class 52 Rating, Deduct	-422.37	
	For Class 54 Rating, Add	593.24	
	For Class 55 Rating, Add	890.81	
	For Class 56 Rating, Add	1,184.55	
40 05 19 00-0283	EA 18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,587.63	954.88
	For Class 52 Rating, Deduct	-455.49	
	For Class 54 Rating, Add	638.49	
	For Class 55 Rating, Add	958.13	
	For Class 56 Rating, Add	1,273.63	
40 05 19 00-0284	EA 18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,895.43	959.27
	For Class 52 Rating, Deduct	-488.62	
	For Class 54 Rating, Add	683.74	
	For Class 55 Rating, Add	1,025.45	
	For Class 56 Rating, Add	1,362.71	
40 05 19 00-0285	EA 18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,203.25	963.67
	For Class 52 Rating, Deduct	-521.75	
	For Class 54 Rating, Add	728.99	
	For Class 55 Rating, Add	1,092.76	
	For Class 56 Rating, Add	1,451.79	
40 05 19 00-0286	EA 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,511.06	968.06
	For Class 52 Rating, Deduct	-554.87	
	For Class 54 Rating, Add	774.25	
	For Class 55 Rating, Add	1,160.08	
	For Class 56 Rating, Add	1,540.87	
40 05 19 00-0287	EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,818.86	972.45
	For Class 52 Rating, Deduct	-588.00	
	For Class 54 Rating, Add	819.50	
	For Class 55 Rating, Add	1,227.40	
	For Class 56 Rating, Add	1,629.95	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0288	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,126.66	976.84
		For Class 52 Rating, Deduct	-621.13	
		For Class 54 Rating, Add	864.75	
		For Class 55 Rating, Add	1,294.71	
		For Class 56 Rating, Add	1,719.03	
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,434.47	981.24
		For Class 52 Rating, Deduct	-654.25	
		For Class 54 Rating, Add	910.00	
		For Class 55 Rating, Add	1,362.03	
		For Class 56 Rating, Add	1,808.11	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,742.28	985.63
		For Class 52 Rating, Deduct	-687.38	
		For Class 54 Rating, Add	955.26	
		For Class 55 Rating, Add	1,429.35	
		For Class 56 Rating, Add	1,897.19	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,050.09	990.02
		For Class 52 Rating, Deduct	-720.51	
		For Class 54 Rating, Add	1,000.51	
		For Class 55 Rating, Add	1,496.66	
		For Class 56 Rating, Add	1,986.27	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,357.90	994.41
		For Class 52 Rating, Deduct	-753.63	
		For Class 54 Rating, Add	1,045.76	
		For Class 55 Rating, Add	1,563.98	
		For Class 56 Rating, Add	2,075.35	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,665.70	998.81
		For Class 52 Rating, Deduct	-786.76	
		For Class 54 Rating, Add	1,091.01	
		For Class 55 Rating, Add	1,631.30	
		For Class 56 Rating, Add	2,164.43	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,973.51	1,003.19
		For Class 52 Rating, Deduct	-819.89	
		For Class 54 Rating, Add	1,136.27	
		For Class 55 Rating, Add	1,698.61	
		For Class 56 Rating, Add	2,253.51	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,281.31	1,007.59
		For Class 52 Rating, Deduct	-853.01	
		For Class 54 Rating, Add	1,181.52	
		For Class 55 Rating, Add	1,765.93	
		For Class 56 Rating, Add	2,342.58	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,589.13	1,011.98
		For Class 52 Rating, Deduct	-886.14	
		For Class 54 Rating, Add	1,226.77	
		For Class 55 Rating, Add	1,833.25	
		For Class 56 Rating, Add	2,431.67	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,896.93	1,016.38
		For Class 52 Rating, Deduct	-919.27	
		For Class 54 Rating, Add	1,272.03	
		For Class 55 Rating, Add	1,900.56	
		For Class 56 Rating, Add	2,520.74	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,204.73	1,020.76
		For Class 52 Rating, Deduct	-952.39	
		For Class 54 Rating, Add	1,317.28	
		For Class 55 Rating, Add	1,967.88	
		For Class 56 Rating, Add	2,609.82	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,512.54	1,025.16
		For Class 52 Rating, Deduct	-985.52	
		For Class 54 Rating, Add	1,362.53	
		For Class 55 Rating, Add	2,035.20	
		For Class 56 Rating, Add	2,698.90	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,820.35	1,029.55
		For Class 52 Rating, Deduct	-1,018.65	
		For Class 54 Rating, Add	1,407.78	
		For Class 55 Rating, Add	2,102.51	
		For Class 56 Rating, Add	2,787.98	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,128.16	1,033.94
		For Class 52 Rating, Deduct	-1,051.77	
		For Class 54 Rating, Add	1,453.04	
		For Class 55 Rating, Add	2,169.83	
		For Class 56 Rating, Add	2,877.06	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,435.96	1,038.33
		For Class 52 Rating, Deduct	-1,084.90	
		For Class 54 Rating, Add	1,498.29	
		For Class 55 Rating, Add	2,237.15	
		For Class 56 Rating, Add	2,966.14	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,743.77	1,042.73
		For Class 52 Rating, Deduct	-1,118.03	
		For Class 54 Rating, Add	1,543.54	
		For Class 55 Rating, Add	2,304.46	
		For Class 56 Rating, Add	3,055.22	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,051.58	1,047.12
		For Class 52 Rating, Deduct	-1,151.15	
		For Class 54 Rating, Add	1,588.79	
		For Class 55 Rating, Add	2,371.78	
		For Class 56 Rating, Add	3,144.30	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,359.38	1,051.51
		For Class 52 Rating, Deduct	-1,184.28	
		For Class 54 Rating, Add	1,634.05	
		For Class 55 Rating, Add	2,439.09	
		For Class 56 Rating, Add	3,233.38	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST
40 05 19 00-0306	EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,667.19		1,055.90
	For Class 52 Rating, Deduct	-1,217.41		
	For Class 54 Rating, Add	1,679.30		
	For Class 55 Rating, Add	2,506.41		
	For Class 56 Rating, Add	3,322.46		
40 05 19 00-0307	EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,975.00		1,060.30
	For Class 52 Rating, Deduct	-1,250.53		
	For Class 54 Rating, Add	1,724.55		
	For Class 55 Rating, Add	2,573.73		
	For Class 56 Rating, Add	3,411.54		
40 05 19 00-0308	EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,282.81		1,064.69
	For Class 52 Rating, Deduct	-1,283.66		
	For Class 54 Rating, Add	1,769.80		
	For Class 55 Rating, Add	2,641.05		
	For Class 56 Rating, Add	3,500.62		
40 05 19 00-0309	EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,590.61		1,069.08
	For Class 52 Rating, Deduct	-1,316.79		
	For Class 54 Rating, Add	1,815.06		
	For Class 55 Rating, Add	2,708.36		
	For Class 56 Rating, Add	3,589.70		
40 05 19 00-0310	EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,898.42		1,073.47
	For Class 52 Rating, Deduct	-1,349.91		
	For Class 54 Rating, Add	1,860.31		
	For Class 55 Rating, Add	2,775.68		
	For Class 56 Rating, Add	3,678.78		
40 05 19 00-0311	EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,206.23		1,077.87
	For Class 52 Rating, Deduct	-1,383.04		
	For Class 54 Rating, Add	1,905.56		
	For Class 55 Rating, Add	2,843.00		
	For Class 56 Rating, Add	3,767.86		
40 05 19 00-0312	EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,514.03		1,082.25
	For Class 52 Rating, Deduct	-1,416.17		
	For Class 54 Rating, Add	1,950.81		
	For Class 55 Rating, Add	2,910.31		
	For Class 56 Rating, Add	3,856.94		
40 05 19 00-0313	EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,821.84		1,086.65
	For Class 52 Rating, Deduct	-1,449.29		
	For Class 54 Rating, Add	1,996.07		
	For Class 55 Rating, Add	2,977.63		
	For Class 56 Rating, Add	3,946.01		
40 05 19 00-0314	EA 18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,129.65		1,091.04
	For Class 52 Rating, Deduct	-1,482.42		
	For Class 54 Rating, Add	2,041.32		
	For Class 55 Rating, Add	3,044.95		
	For Class 56 Rating, Add	4,035.09		
40 05 19 00-0315	EA 18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,437.45		1,095.44
	For Class 52 Rating, Deduct	-1,515.55		
	For Class 54 Rating, Add	2,086.57		
	For Class 55 Rating, Add	3,112.26		
	For Class 56 Rating, Add	4,124.17		
40 05 19 00-0316	EA 18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,745.26		1,099.82
	For Class 52 Rating, Deduct	-1,548.67		
	For Class 54 Rating, Add	2,131.83		
	For Class 55 Rating, Add	3,179.58		
	For Class 56 Rating, Add	4,213.25		
40 05 19 00-0317	EA 18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,053.07		1,104.22
	For Class 52 Rating, Deduct	-1,581.80		
	For Class 54 Rating, Add	2,177.08		
	For Class 55 Rating, Add	3,246.90		
	For Class 56 Rating, Add	4,302.33		
40 05 19 00-0318	EA 18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,360.88		1,108.61
	For Class 52 Rating, Deduct	-1,614.93		
	For Class 54 Rating, Add	2,222.33		
	For Class 55 Rating, Add	3,314.21		
	For Class 56 Rating, Add	4,391.41		
40 05 19 00-0319	EA 18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,668.68		1,113.00
	For Class 52 Rating, Deduct	-1,648.05		
	For Class 54 Rating, Add	2,267.58		
	For Class 55 Rating, Add	3,381.53		
	For Class 56 Rating, Add	4,480.49		
40 05 19 00-0320	20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)			
40 05 19 00-0321	EA 20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,183.65		1,084.89
	For Class 52 Rating, Deduct	-499.39		
	For Class 54 Rating, Add	700.71		
	For Class 55 Rating, Add	1,051.84		
	For Class 56 Rating, Add	1,398.44		
40 05 19 00-0322	EA 20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,536.63		1,089.28
	For Class 52 Rating, Deduct	-537.48		
	For Class 54 Rating, Add	752.73		
	For Class 55 Rating, Add	1,129.23		
	For Class 56 Rating, Add	1,500.84		
40 05 19 00-0323	EA 20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,889.61		1,093.68
	For Class 52 Rating, Deduct	-575.58		
	For Class 54 Rating, Add	804.76		
	For Class 55 Rating, Add	1,206.62		
	For Class 56 Rating, Add	1,603.25		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,242.58	1,098.07
		For Class 52 Rating, Deduct	-613.67	
		For Class 54 Rating, Add	856.79	
		For Class 55 Rating, Add	1,284.01	
		For Class 56 Rating, Add	1,705.65	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,595.57	1,102.46
		For Class 52 Rating, Deduct	-651.77	
		For Class 54 Rating, Add	908.82	
		For Class 55 Rating, Add	1,361.40	
		For Class 56 Rating, Add	1,808.06	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,948.54	1,106.85
		For Class 52 Rating, Deduct	-689.86	
		For Class 54 Rating, Add	960.85	
		For Class 55 Rating, Add	1,438.79	
		For Class 56 Rating, Add	1,910.46	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,301.53	1,111.25
		For Class 52 Rating, Deduct	-727.96	
		For Class 54 Rating, Add	1,012.88	
		For Class 55 Rating, Add	1,516.18	
		For Class 56 Rating, Add	2,012.87	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,654.50	1,115.64
		For Class 52 Rating, Deduct	-766.06	
		For Class 54 Rating, Add	1,064.91	
		For Class 55 Rating, Add	1,593.57	
		For Class 56 Rating, Add	2,115.27	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,007.48	1,120.03
		For Class 52 Rating, Deduct	-804.15	
		For Class 54 Rating, Add	1,116.93	
		For Class 55 Rating, Add	1,670.96	
		For Class 56 Rating, Add	2,217.68	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,360.46	1,124.42
		For Class 52 Rating, Deduct	-842.25	
		For Class 54 Rating, Add	1,168.96	
		For Class 55 Rating, Add	1,748.35	
		For Class 56 Rating, Add	2,320.09	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,713.43	1,128.82
		For Class 52 Rating, Deduct	-880.34	
		For Class 54 Rating, Add	1,220.99	
		For Class 55 Rating, Add	1,825.74	
		For Class 56 Rating, Add	2,422.49	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,066.43	1,133.20
		For Class 52 Rating, Deduct	-918.44	
		For Class 54 Rating, Add	1,273.02	
		For Class 55 Rating, Add	1,903.13	
		For Class 56 Rating, Add	2,524.90	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,419.40	1,137.60
		For Class 52 Rating, Deduct	-956.53	
		For Class 54 Rating, Add	1,325.05	
		For Class 55 Rating, Add	1,980.52	
		For Class 56 Rating, Add	2,627.30	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,772.38	1,141.99
		For Class 52 Rating, Deduct	-994.63	
		For Class 54 Rating, Add	1,377.08	
		For Class 55 Rating, Add	2,057.91	
		For Class 56 Rating, Add	2,729.71	
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,125.35	1,146.39
		For Class 52 Rating, Deduct	-1,032.73	
		For Class 54 Rating, Add	1,429.10	
		For Class 55 Rating, Add	2,135.30	
		For Class 56 Rating, Add	2,832.11	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,478.35	1,150.77
		For Class 52 Rating, Deduct	-1,070.82	
		For Class 54 Rating, Add	1,481.13	
		For Class 55 Rating, Add	2,212.69	
		For Class 56 Rating, Add	2,934.52	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,831.32	1,155.17
		For Class 52 Rating, Deduct	-1,108.92	
		For Class 54 Rating, Add	1,533.16	
		For Class 55 Rating, Add	2,290.08	
		For Class 56 Rating, Add	3,036.92	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,184.30	1,159.57
		For Class 52 Rating, Deduct	-1,147.01	
		For Class 54 Rating, Add	1,585.19	
		For Class 55 Rating, Add	2,367.47	
		For Class 56 Rating, Add	3,139.33	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,537.28	1,163.95
		For Class 52 Rating, Deduct	-1,185.11	
		For Class 54 Rating, Add	1,637.22	
		For Class 55 Rating, Add	2,444.86	
		For Class 56 Rating, Add	3,241.73	
40 05 19 00-0340	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,890.26	1,168.35
		For Class 52 Rating, Deduct	-1,223.20	
		For Class 54 Rating, Add	1,689.25	
		For Class 55 Rating, Add	2,522.25	
		For Class 56 Rating, Add	3,344.14	
40 05 19 00-0341	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,243.24	1,172.74
		For Class 52 Rating, Deduct	-1,261.30	
		For Class 54 Rating, Add	1,741.28	
		For Class 55 Rating, Add	2,599.64	
		For Class 56 Rating, Add	3,446.54	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0342	EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,596.22	1,177.14
	For Class 52 Rating, Deduct	-1,299.40	
	For Class 54 Rating, Add	1,793.31	
	For Class 55 Rating, Add	2,677.03	
	For Class 56 Rating, Add	3,548.95	
40 05 19 00-0343	EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,949.20	1,181.52
	For Class 52 Rating, Deduct	-1,337.49	
	For Class 54 Rating, Add	1,845.33	
	For Class 55 Rating, Add	2,754.42	
	For Class 56 Rating, Add	3,651.35	
40 05 19 00-0344	EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,302.18	1,185.92
	For Class 52 Rating, Deduct	-1,375.59	
	For Class 54 Rating, Add	1,897.36	
	For Class 55 Rating, Add	2,831.81	
	For Class 56 Rating, Add	3,753.76	
40 05 19 00-0345	EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,655.16	1,190.31
	For Class 52 Rating, Deduct	-1,413.68	
	For Class 54 Rating, Add	1,949.39	
	For Class 55 Rating, Add	2,909.20	
	For Class 56 Rating, Add	3,856.17	
40 05 19 00-0346	EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,008.15	1,194.71
	For Class 52 Rating, Deduct	-1,451.78	
	For Class 54 Rating, Add	2,001.42	
	For Class 55 Rating, Add	2,986.60	
	For Class 56 Rating, Add	3,958.57	
40 05 19 00-0347	EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,361.12	1,199.09
	For Class 52 Rating, Deduct	-1,489.87	
	For Class 54 Rating, Add	2,053.45	
	For Class 55 Rating, Add	3,063.98	
	For Class 56 Rating, Add	4,060.98	
40 05 19 00-0348	EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,714.10	1,203.49
	For Class 52 Rating, Deduct	-1,527.97	
	For Class 54 Rating, Add	2,105.48	
	For Class 55 Rating, Add	3,141.38	
	For Class 56 Rating, Add	4,163.38	
40 05 19 00-0349	EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,067.07	1,207.88
	For Class 52 Rating, Deduct	-1,566.07	
	For Class 54 Rating, Add	2,157.51	
	For Class 55 Rating, Add	3,218.76	
	For Class 56 Rating, Add	4,265.79	
40 05 19 00-0350	EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,420.07	1,212.27
	For Class 52 Rating, Deduct	-1,604.16	
	For Class 54 Rating, Add	2,209.53	
	For Class 55 Rating, Add	3,296.16	
	For Class 56 Rating, Add	4,368.19	
40 05 19 00-0351	EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,773.04	1,216.66
	For Class 52 Rating, Deduct	-1,642.26	
	For Class 54 Rating, Add	2,261.56	
	For Class 55 Rating, Add	3,373.55	
	For Class 56 Rating, Add	4,470.60	
40 05 19 00-0352	EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,126.02	1,221.06
	For Class 52 Rating, Deduct	-1,680.35	
	For Class 54 Rating, Add	2,313.59	
	For Class 55 Rating, Add	3,450.94	
	For Class 56 Rating, Add	4,573.01	
40 05 19 00-0353	EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,479.00	1,225.45
	For Class 52 Rating, Deduct	-1,718.45	
	For Class 54 Rating, Add	2,365.62	
	For Class 55 Rating, Add	3,528.33	
	For Class 56 Rating, Add	4,675.41	
40 05 19 00-0354	EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,831.97	1,229.84
	For Class 52 Rating, Deduct	-1,756.54	
	For Class 54 Rating, Add	2,417.65	
	For Class 55 Rating, Add	3,605.71	
	For Class 56 Rating, Add	4,777.81	
40 05 19 00-0355	EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,184.96	1,234.23
	For Class 52 Rating, Deduct	-1,794.64	
	For Class 54 Rating, Add	2,469.68	
	For Class 55 Rating, Add	3,683.11	
	For Class 56 Rating, Add	4,880.22	
40 05 19 00-0356	EA 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,537.93	1,238.63
	For Class 52 Rating, Deduct	-1,832.74	
	For Class 54 Rating, Add	2,521.70	
	For Class 55 Rating, Add	3,760.50	
	For Class 56 Rating, Add	4,982.62	
40 05 19 00-0357	EA 20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,890.92	1,243.01
	For Class 52 Rating, Deduct	-1,870.83	
	For Class 54 Rating, Add	2,573.73	
	For Class 55 Rating, Add	3,837.89	
	For Class 56 Rating, Add	5,085.03	
40 05 19 00-0358	EA 20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,243.89	1,247.41
	For Class 52 Rating, Deduct	-1,908.93	
	For Class 54 Rating, Add	2,625.76	
	For Class 55 Rating, Add	3,915.28	
	For Class 56 Rating, Add	5,187.43	

 40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,
 Ductile Iron Pipe (40 05 19 00-0002)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0360	EA	24"	Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,609.93	1,282.55
			For Class 52 Rating, Deduct	-623.33	
			For Class 54 Rating, Add	873.32	
			For Class 55 Rating, Add	1,310.31	
			For Class 56 Rating, Add	1,741.63	
40 05 19 00-0361	EA	24"	Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,045.72	1,286.94
			For Class 52 Rating, Deduct	-670.54	
			For Class 54 Rating, Add	937.77	
			For Class 55 Rating, Add	1,406.17	
			For Class 56 Rating, Add	1,868.46	
40 05 19 00-0362	EA	24"	Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,481.52	1,291.33
			For Class 52 Rating, Deduct	-717.75	
			For Class 54 Rating, Add	1,002.22	
			For Class 55 Rating, Add	1,502.02	
			For Class 56 Rating, Add	1,995.30	
40 05 19 00-0363	EA	24"	Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,917.32	1,295.72
			For Class 52 Rating, Deduct	-764.95	
			For Class 54 Rating, Add	1,066.67	
			For Class 55 Rating, Add	1,597.88	
			For Class 56 Rating, Add	2,122.14	
40 05 19 00-0364	EA	24"	Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,353.11	1,300.12
			For Class 52 Rating, Deduct	-812.16	
			For Class 54 Rating, Add	1,131.12	
			For Class 55 Rating, Add	1,693.74	
			For Class 56 Rating, Add	2,248.97	
40 05 19 00-0365	EA	24"	Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,788.91	1,304.51
			For Class 52 Rating, Deduct	-859.36	
			For Class 54 Rating, Add	1,195.58	
			For Class 55 Rating, Add	1,789.60	
			For Class 56 Rating, Add	2,375.81	
40 05 19 00-0366	EA	24"	Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,224.71	1,308.90
			For Class 52 Rating, Deduct	-906.57	
			For Class 54 Rating, Add	1,260.03	
			For Class 55 Rating, Add	1,885.46	
			For Class 56 Rating, Add	2,502.65	
40 05 19 00-0367	EA	24"	Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,660.51	1,313.29
			For Class 52 Rating, Deduct	-953.77	
			For Class 54 Rating, Add	1,324.48	
			For Class 55 Rating, Add	1,981.32	
			For Class 56 Rating, Add	2,629.48	
40 05 19 00-0368	EA	24"	Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,096.30	1,317.69
			For Class 52 Rating, Deduct	-1,000.98	
			For Class 54 Rating, Add	1,388.93	
			For Class 55 Rating, Add	2,077.17	
			For Class 56 Rating, Add	2,756.32	
40 05 19 00-0369	EA	24"	Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,532.10	1,322.07
			For Class 52 Rating, Deduct	-1,048.18	
			For Class 54 Rating, Add	1,453.38	
			For Class 55 Rating, Add	2,173.03	
			For Class 56 Rating, Add	2,883.15	
40 05 19 00-0370	EA	24"	Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,967.89	1,326.47
			For Class 52 Rating, Deduct	-1,095.39	
			For Class 54 Rating, Add	1,517.83	
			For Class 55 Rating, Add	2,268.89	
			For Class 56 Rating, Add	3,009.99	
40 05 19 00-0371	EA	24"	Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,403.68	1,330.86
			For Class 52 Rating, Deduct	-1,142.60	
			For Class 54 Rating, Add	1,582.28	
			For Class 55 Rating, Add	2,364.75	
			For Class 56 Rating, Add	3,136.83	
40 05 19 00-0372	EA	24"	Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,839.50	1,335.26
			For Class 52 Rating, Deduct	-1,189.80	
			For Class 54 Rating, Add	1,646.73	
			For Class 55 Rating, Add	2,460.61	
			For Class 56 Rating, Add	3,263.66	
40 05 19 00-0373	EA	24"	Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,275.29	1,339.64
			For Class 52 Rating, Deduct	-1,237.01	
			For Class 54 Rating, Add	1,711.19	
			For Class 55 Rating, Add	2,556.47	
			For Class 56 Rating, Add	3,390.50	
40 05 19 00-0374	EA	24"	Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,711.08	1,344.04
			For Class 52 Rating, Deduct	-1,284.21	
			For Class 54 Rating, Add	1,775.64	
			For Class 55 Rating, Add	2,652.32	
			For Class 56 Rating, Add	3,517.34	
40 05 19 00-0375	EA	24"	Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,146.87	1,348.43
			For Class 52 Rating, Deduct	-1,331.42	
			For Class 54 Rating, Add	1,840.09	
			For Class 55 Rating, Add	2,748.18	
			For Class 56 Rating, Add	3,644.17	
40 05 19 00-0376	EA	24"	Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,582.67	1,352.83
			For Class 52 Rating, Deduct	-1,378.62	
			For Class 54 Rating, Add	1,904.54	
			For Class 55 Rating, Add	2,844.04	
			For Class 56 Rating, Add	3,771.01	
40 05 19 00-0377	EA	24"	Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,018.47	1,357.21
			For Class 52 Rating, Deduct	-1,425.83	
			For Class 54 Rating, Add	1,968.99	
			For Class 55 Rating, Add	2,939.90	
			For Class 56 Rating, Add	3,897.84	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0378	EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,454.27	1,361.61
	For Class 52 Rating, Deduct	-1,473.04	
	For Class 54 Rating, Add	2,033.44	
	For Class 55 Rating, Add	3,035.76	
	For Class 56 Rating, Add	4,024.68	
40 05 19 00-0379	EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,890.07	1,366.00
	For Class 52 Rating, Deduct	-1,520.24	
	For Class 54 Rating, Add	2,097.89	
	For Class 55 Rating, Add	3,131.62	
	For Class 56 Rating, Add	4,151.52	
40 05 19 00-0380	EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,325.86	1,370.39
	For Class 52 Rating, Deduct	-1,567.45	
	For Class 54 Rating, Add	2,162.34	
	For Class 55 Rating, Add	3,227.47	
	For Class 56 Rating, Add	4,278.35	
40 05 19 00-0381	EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,761.66	1,374.78
	For Class 52 Rating, Deduct	-1,614.65	
	For Class 54 Rating, Add	2,226.79	
	For Class 55 Rating, Add	3,323.33	
	For Class 56 Rating, Add	4,405.19	
40 05 19 00-0382	EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,197.45	1,379.18
	For Class 52 Rating, Deduct	-1,661.86	
	For Class 54 Rating, Add	2,291.24	
	For Class 55 Rating, Add	3,419.19	
	For Class 56 Rating, Add	4,532.03	
40 05 19 00-0383	EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,633.25	1,383.57
	For Class 52 Rating, Deduct	-1,709.06	
	For Class 54 Rating, Add	2,355.70	
	For Class 55 Rating, Add	3,515.05	
	For Class 56 Rating, Add	4,658.86	
40 05 19 00-0384	EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,069.05	1,387.96
	For Class 52 Rating, Deduct	-1,756.27	
	For Class 54 Rating, Add	2,420.15	
	For Class 55 Rating, Add	3,610.91	
	For Class 56 Rating, Add	4,785.70	
40 05 19 00-0385	EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,504.84	1,392.35
	For Class 52 Rating, Deduct	-1,803.47	
	For Class 54 Rating, Add	2,484.60	
	For Class 55 Rating, Add	3,706.76	
	For Class 56 Rating, Add	4,912.54	
40 05 19 00-0386	EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,940.64	1,396.75
	For Class 52 Rating, Deduct	-1,850.68	
	For Class 54 Rating, Add	2,549.05	
	For Class 55 Rating, Add	3,802.62	
	For Class 56 Rating, Add	5,039.37	
40 05 19 00-0387	EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,376.44	1,401.13
	For Class 52 Rating, Deduct	-1,897.89	
	For Class 54 Rating, Add	2,613.50	
	For Class 55 Rating, Add	3,898.48	
	For Class 56 Rating, Add	5,166.21	
40 05 19 00-0388	EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,812.23	1,405.53
	For Class 52 Rating, Deduct	-1,945.09	
	For Class 54 Rating, Add	2,677.95	
	For Class 55 Rating, Add	3,994.34	
	For Class 56 Rating, Add	5,293.04	
40 05 19 00-0389	EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,361.16	1,484.59
	For Class 52 Rating, Deduct	-1,992.30	
	For Class 54 Rating, Add	2,743.76	
	For Class 55 Rating, Add	4,092.91	
	For Class 56 Rating, Add	5,423.95	
40 05 19 00-0390	EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,796.95	1,488.98
	For Class 52 Rating, Deduct	-2,039.50	
	For Class 54 Rating, Add	2,808.21	
	For Class 55 Rating, Add	4,188.77	
	For Class 56 Rating, Add	5,550.79	
40 05 19 00-0391	EA 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,232.76	1,493.38
	For Class 52 Rating, Deduct	-2,086.71	
	For Class 54 Rating, Add	2,872.66	
	For Class 55 Rating, Add	4,284.63	
	For Class 56 Rating, Add	5,677.63	
40 05 19 00-0392	EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,668.56	1,497.76
	For Class 52 Rating, Deduct	-2,133.91	
	For Class 54 Rating, Add	2,937.11	
	For Class 55 Rating, Add	4,380.49	
	For Class 56 Rating, Add	5,804.46	
40 05 19 00-0393	EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,104.35	1,502.16
	For Class 52 Rating, Deduct	-2,181.12	
	For Class 54 Rating, Add	3,001.56	
	For Class 55 Rating, Add	4,476.35	
	For Class 56 Rating, Add	5,931.30	
40 05 19 00-0394	EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,540.15	1,506.55
	For Class 52 Rating, Deduct	-2,228.32	
	For Class 54 Rating, Add	3,066.02	
	For Class 55 Rating, Add	4,572.20	
	For Class 56 Rating, Add	6,058.14	
40 05 19 00-0395	EA 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,975.94	1,510.95
	For Class 52 Rating, Deduct	-2,275.53	
	For Class 54 Rating, Add	3,130.47	
	For Class 55 Rating, Add	4,668.06	
	For Class 56 Rating, Add	6,184.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0396	EA	24"	Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,411.73	1,515.33
			For Class 52 Rating, Deduct	-2,322.73	
			For Class 54 Rating, Add	3,194.92	
			For Class 55 Rating, Add	4,763.92	
			For Class 56 Rating, Add	6,311.61	
40 05 19 00-0397	EA	24"	Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,847.54	1,519.73
			For Class 52 Rating, Deduct	-2,369.94	
			For Class 54 Rating, Add	3,259.37	
			For Class 55 Rating, Add	4,859.78	
			For Class 56 Rating, Add	6,438.65	
40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)					
40 05 19 00-0399	EA	30"	Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,751.31	1,809.62
			For Class 52 Rating, Deduct	-991.04	
			For Class 54 Rating, Add	1,384.32	
			For Class 55 Rating, Add	2,074.91	
			For Class 56 Rating, Add	2,756.50	
40 05 19 00-0400	EA	30"	Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,377.84	1,814.01
			For Class 52 Rating, Deduct	-1,059.23	
			For Class 54 Rating, Add	1,477.38	
			For Class 55 Rating, Add	2,213.31	
			For Class 56 Rating, Add	2,939.60	
40 05 19 00-0401	EA	30"	Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,004.37	1,818.40
			For Class 52 Rating, Deduct	-1,127.41	
			For Class 54 Rating, Add	1,570.44	
			For Class 55 Rating, Add	2,351.70	
			For Class 56 Rating, Add	3,122.70	
40 05 19 00-0402	EA	30"	Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,630.90	1,822.80
			For Class 52 Rating, Deduct	-1,195.60	
			For Class 54 Rating, Add	1,663.50	
			For Class 55 Rating, Add	2,490.09	
			For Class 56 Rating, Add	3,305.80	
40 05 19 00-0403	EA	30"	Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,257.42	1,827.19
			For Class 52 Rating, Deduct	-1,263.78	
			For Class 54 Rating, Add	1,756.56	
			For Class 55 Rating, Add	2,628.48	
			For Class 56 Rating, Add	3,488.91	
40 05 19 00-0404	EA	30"	Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,883.94	1,831.58
			For Class 52 Rating, Deduct	-1,331.97	
			For Class 54 Rating, Add	1,849.62	
			For Class 55 Rating, Add	2,766.87	
			For Class 56 Rating, Add	3,672.01	
40 05 19 00-0405	EA	30"	Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,510.47	1,835.97
			For Class 52 Rating, Deduct	-1,400.16	
			For Class 54 Rating, Add	1,942.68	
			For Class 55 Rating, Add	2,905.26	
			For Class 56 Rating, Add	3,855.11	
40 05 19 00-0406	EA	30"	Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,136.99	1,840.37
			For Class 52 Rating, Deduct	-1,468.34	
			For Class 54 Rating, Add	2,035.75	
			For Class 55 Rating, Add	3,043.65	
			For Class 56 Rating, Add	4,038.21	
40 05 19 00-0407	EA	30"	Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,763.52	1,844.75
			For Class 52 Rating, Deduct	-1,536.53	
			For Class 54 Rating, Add	2,128.81	
			For Class 55 Rating, Add	3,182.04	
			For Class 56 Rating, Add	4,221.31	
40 05 19 00-0408	EA	30"	Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,390.04	1,849.15
			For Class 52 Rating, Deduct	-1,604.71	
			For Class 54 Rating, Add	2,221.87	
			For Class 55 Rating, Add	3,320.43	
			For Class 56 Rating, Add	4,404.41	
40 05 19 00-0409	EA	30"	Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,016.58	1,853.54
			For Class 52 Rating, Deduct	-1,672.90	
			For Class 54 Rating, Add	2,314.93	
			For Class 55 Rating, Add	3,458.83	
			For Class 56 Rating, Add	4,587.52	
40 05 19 00-0410	EA	30"	Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,643.10	1,857.94
			For Class 52 Rating, Deduct	-1,741.09	
			For Class 54 Rating, Add	2,407.99	
			For Class 55 Rating, Add	3,597.22	
			For Class 56 Rating, Add	4,770.62	
40 05 19 00-0411	EA	30"	Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,269.63	1,862.32
			For Class 52 Rating, Deduct	-1,809.27	
			For Class 54 Rating, Add	2,501.05	
			For Class 55 Rating, Add	3,735.61	
			For Class 56 Rating, Add	4,953.72	
40 05 19 00-0412	EA	30"	Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,896.16	1,866.72
			For Class 52 Rating, Deduct	-1,877.46	
			For Class 54 Rating, Add	2,594.11	
			For Class 55 Rating, Add	3,874.00	
			For Class 56 Rating, Add	5,136.82	
40 05 19 00-0413	EA	30"	Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,522.68	1,871.11
			For Class 52 Rating, Deduct	-1,945.64	
			For Class 54 Rating, Add	2,687.17	
			For Class 55 Rating, Add	4,012.39	
			For Class 56 Rating, Add	5,319.92	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

UNIT COST

DEMOLITION

UNIT COST

40 05 19 00-0414	EA 30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,149.20	1,875.51
	For Class 52 Rating, Deduct	-2,013.83	
	For Class 54 Rating, Add	2,780.23	
	For Class 55 Rating, Add	4,150.78	
	For Class 56 Rating, Add	5,503.02	
40 05 19 00-0415	EA 30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,775.72	1,879.89
	For Class 52 Rating, Deduct	-2,082.01	
	For Class 54 Rating, Add	2,873.29	
	For Class 55 Rating, Add	4,289.17	
	For Class 56 Rating, Add	5,686.12	
40 05 19 00-0416	EA 30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,402.26	1,884.29
	For Class 52 Rating, Deduct	-2,150.20	
	For Class 54 Rating, Add	2,966.35	
	For Class 55 Rating, Add	4,427.56	
	For Class 56 Rating, Add	5,869.22	
40 05 19 00-0417	EA 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,028.79	1,888.68
	For Class 52 Rating, Deduct	-2,218.39	
	For Class 54 Rating, Add	3,059.41	
	For Class 55 Rating, Add	4,565.95	
	For Class 56 Rating, Add	6,052.33	
40 05 19 00-0418	EA 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,655.31	1,893.07
	For Class 52 Rating, Deduct	-2,286.57	
	For Class 54 Rating, Add	3,152.47	
	For Class 55 Rating, Add	4,704.34	
	For Class 56 Rating, Add	6,235.43	
40 05 19 00-0419	EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,281.84	1,897.46
	For Class 52 Rating, Deduct	-2,354.76	
	For Class 54 Rating, Add	3,245.53	
	For Class 55 Rating, Add	4,842.74	
	For Class 56 Rating, Add	6,418.53	
40 05 19 00-0420	EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,908.36	1,901.86
	For Class 52 Rating, Deduct	-2,422.94	
	For Class 54 Rating, Add	3,338.59	
	For Class 55 Rating, Add	4,981.13	
	For Class 56 Rating, Add	6,601.63	
40 05 19 00-0421	EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,534.89	1,906.25
	For Class 52 Rating, Deduct	-2,491.13	
	For Class 54 Rating, Add	3,431.65	
	For Class 55 Rating, Add	5,119.52	
	For Class 56 Rating, Add	6,784.73	
40 05 19 00-0422	EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,161.41	1,910.64
	For Class 52 Rating, Deduct	-2,559.32	
	For Class 54 Rating, Add	3,524.71	
	For Class 55 Rating, Add	5,257.91	
	For Class 56 Rating, Add	6,967.83	
40 05 19 00-0423	EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,785.43	1,915.03
	For Class 52 Rating, Deduct	-2,627.22	
	For Class 54 Rating, Add	3,617.40	
	For Class 55 Rating, Add	5,395.74	
	For Class 56 Rating, Add	7,150.20	
40 05 19 00-0424	EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,414.46	1,919.43
	For Class 52 Rating, Deduct	-2,695.69	
	For Class 54 Rating, Add	3,710.83	
	For Class 55 Rating, Add	5,534.69	
	For Class 56 Rating, Add	7,334.04	
40 05 19 00-0425	EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,041.00	1,923.82
	For Class 52 Rating, Deduct	-2,763.87	
	For Class 54 Rating, Add	3,803.90	
	For Class 55 Rating, Add	5,673.08	
	For Class 56 Rating, Add	7,517.14	
40 05 19 00-0426	EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,667.53	1,928.21
	For Class 52 Rating, Deduct	-2,832.06	
	For Class 54 Rating, Add	3,896.96	
	For Class 55 Rating, Add	5,811.47	
	For Class 56 Rating, Add	7,700.24	
40 05 19 00-0427	EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,294.05	1,932.61
	For Class 52 Rating, Deduct	-2,900.24	
	For Class 54 Rating, Add	3,990.02	
	For Class 55 Rating, Add	5,949.86	
	For Class 56 Rating, Add	7,883.34	
40 05 19 00-0428	EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,920.57	1,937.00
	For Class 52 Rating, Deduct	-2,968.43	
	For Class 54 Rating, Add	4,083.08	
	For Class 55 Rating, Add	6,088.25	
	For Class 56 Rating, Add	8,066.44	
40 05 19 00-0429	EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,547.09	1,941.39
	For Class 52 Rating, Deduct	-3,036.62	
	For Class 54 Rating, Add	4,176.14	
	For Class 55 Rating, Add	6,226.64	
	For Class 56 Rating, Add	8,249.55	
40 05 19 00-0430	EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,173.63	1,945.78
	For Class 52 Rating, Deduct	-3,104.80	
	For Class 54 Rating, Add	4,269.20	
	For Class 55 Rating, Add	6,365.04	
	For Class 56 Rating, Add	8,432.65	
40 05 19 00-0431	EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,800.15	1,950.18
	For Class 52 Rating, Deduct	-3,172.99	
	For Class 54 Rating, Add	4,362.26	
	For Class 55 Rating, Add	6,503.43	
	For Class 56 Rating, Add	8,615.75	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,426.67	1,954.57
		For Class 52 Rating, Deduct	-3,241.17	
		For Class 54 Rating, Add	4,455.32	
		For Class 55 Rating, Add	6,641.82	
		For Class 56 Rating, Add	8,798.85	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,053.20	1,958.96
		For Class 52 Rating, Deduct	-3,309.36	
		For Class 54 Rating, Add	4,548.38	
		For Class 55 Rating, Add	6,780.21	
		For Class 56 Rating, Add	8,981.95	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,679.74	1,963.35
		For Class 52 Rating, Deduct	-3,377.55	
		For Class 54 Rating, Add	4,641.44	
		For Class 55 Rating, Add	6,918.60	
		For Class 56 Rating, Add	9,165.06	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,306.26	1,967.75
		For Class 52 Rating, Deduct	-3,445.73	
		For Class 54 Rating, Add	4,734.50	
		For Class 55 Rating, Add	7,056.99	
		For Class 56 Rating, Add	9,348.16	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,932.78	1,972.13
		For Class 52 Rating, Deduct	-3,513.92	
		For Class 54 Rating, Add	4,827.56	
		For Class 55 Rating, Add	7,195.38	
		For Class 56 Rating, Add	9,531.26	
40 05 19 00-0437		36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)		
40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,365.72	2,292.77
		For Class 52 Rating, Deduct	-1,418.10	
		For Class 54 Rating, Add	1,975.46	
		For Class 55 Rating, Add	2,958.25	
		For Class 56 Rating, Add	3,928.15	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,215.59	2,297.17
		For Class 52 Rating, Deduct	-1,510.85	
		For Class 54 Rating, Add	2,102.02	
		For Class 55 Rating, Add	3,146.45	
		For Class 56 Rating, Add	4,177.14	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,065.47	2,301.56
		For Class 52 Rating, Deduct	-1,603.61	
		For Class 54 Rating, Add	2,228.59	
		For Class 55 Rating, Add	3,334.65	
		For Class 56 Rating, Add	4,426.13	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,915.35	2,305.95
		For Class 52 Rating, Deduct	-1,696.36	
		For Class 54 Rating, Add	2,355.15	
		For Class 55 Rating, Add	3,522.84	
		For Class 56 Rating, Add	4,675.12	
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,765.24	2,310.34
		For Class 52 Rating, Deduct	-1,789.12	
		For Class 54 Rating, Add	2,481.71	
		For Class 55 Rating, Add	3,711.05	
		For Class 56 Rating, Add	4,924.11	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,615.11	2,314.74
		For Class 52 Rating, Deduct	-1,881.87	
		For Class 54 Rating, Add	2,608.28	
		For Class 55 Rating, Add	3,899.24	
		For Class 56 Rating, Add	5,173.10	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,465.00	2,319.12
		For Class 52 Rating, Deduct	-1,974.63	
		For Class 54 Rating, Add	2,734.84	
		For Class 55 Rating, Add	4,087.44	
		For Class 56 Rating, Add	5,422.09	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,314.87	2,323.52
		For Class 52 Rating, Deduct	-2,067.38	
		For Class 54 Rating, Add	2,861.40	
		For Class 55 Rating, Add	4,275.64	
		For Class 56 Rating, Add	5,671.08	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,164.75	2,327.91
		For Class 52 Rating, Deduct	-2,160.14	
		For Class 54 Rating, Add	2,987.97	
		For Class 55 Rating, Add	4,463.84	
		For Class 56 Rating, Add	5,920.07	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,014.64	2,332.31
		For Class 52 Rating, Deduct	-2,252.89	
		For Class 54 Rating, Add	3,114.53	
		For Class 55 Rating, Add	4,652.04	
		For Class 56 Rating, Add	6,169.07	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,864.52	2,336.69
		For Class 52 Rating, Deduct	-2,345.65	
		For Class 54 Rating, Add	3,241.10	
		For Class 55 Rating, Add	4,840.24	
		For Class 56 Rating, Add	6,418.06	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,714.40	2,341.09
		For Class 52 Rating, Deduct	-2,438.40	
		For Class 54 Rating, Add	3,367.66	
		For Class 55 Rating, Add	5,028.44	
		For Class 56 Rating, Add	6,667.05	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0450	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,564.27	2,345.48
		For Class 52 Rating, Deduct	-2,531.16	
		For Class 54 Rating, Add	3,494.22	
		For Class 55 Rating, Add	5,216.64	
		For Class 56 Rating, Add	6,916.04	
40 05 19 00-0451	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,414.17	2,349.88
		For Class 52 Rating, Deduct	-2,623.91	
		For Class 54 Rating, Add	3,620.79	
		For Class 55 Rating, Add	5,404.84	
		For Class 56 Rating, Add	7,165.03	
40 05 19 00-0452	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,264.04	2,354.26
		For Class 52 Rating, Deduct	-2,716.67	
		For Class 54 Rating, Add	3,747.35	
		For Class 55 Rating, Add	5,593.03	
		For Class 56 Rating, Add	7,414.02	
40 05 19 00-0453	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,113.92	2,358.66
		For Class 52 Rating, Deduct	-2,809.42	
		For Class 54 Rating, Add	3,873.91	
		For Class 55 Rating, Add	5,781.23	
		For Class 56 Rating, Add	7,663.01	
40 05 19 00-0454	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,963.79	2,363.05
		For Class 52 Rating, Deduct	-2,902.18	
		For Class 54 Rating, Add	4,000.48	
		For Class 55 Rating, Add	5,969.43	
		For Class 56 Rating, Add	7,912.00	
40 05 19 00-0455	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,813.68	2,367.44
		For Class 52 Rating, Deduct	-2,994.93	
		For Class 54 Rating, Add	4,127.04	
		For Class 55 Rating, Add	6,157.63	
		For Class 56 Rating, Add	8,160.99	
40 05 19 00-0456	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,663.57	2,371.83
		For Class 52 Rating, Deduct	-3,087.69	
		For Class 54 Rating, Add	4,253.61	
		For Class 55 Rating, Add	6,345.83	
		For Class 56 Rating, Add	8,409.99	
40 05 19 00-0457	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,513.44	2,376.23
		For Class 52 Rating, Deduct	-3,180.44	
		For Class 54 Rating, Add	4,380.17	
		For Class 55 Rating, Add	6,534.03	
		For Class 56 Rating, Add	8,658.98	
40 05 19 00-0458	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,363.33	2,380.62
		For Class 52 Rating, Deduct	-3,273.20	
		For Class 54 Rating, Add	4,506.73	
		For Class 55 Rating, Add	6,722.23	
		For Class 56 Rating, Add	8,907.97	
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,213.20	2,385.01
		For Class 52 Rating, Deduct	-3,365.95	
		For Class 54 Rating, Add	4,633.30	
		For Class 55 Rating, Add	6,910.43	
		For Class 56 Rating, Add	9,156.96	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,063.08	2,389.40
		For Class 52 Rating, Deduct	-3,458.71	
		For Class 54 Rating, Add	4,759.86	
		For Class 55 Rating, Add	7,098.63	
		For Class 56 Rating, Add	9,405.95	
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,912.96	2,393.80
		For Class 52 Rating, Deduct	-3,551.46	
		For Class 54 Rating, Add	4,886.42	
		For Class 55 Rating, Add	7,286.83	
		For Class 56 Rating, Add	9,654.94	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,762.85	2,398.18
		For Class 52 Rating, Deduct	-3,644.22	
		For Class 54 Rating, Add	5,012.99	
		For Class 55 Rating, Add	7,475.03	
		For Class 56 Rating, Add	9,903.93	
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,612.73	2,402.58
		For Class 52 Rating, Deduct	-3,736.97	
		For Class 54 Rating, Add	5,139.55	
		For Class 55 Rating, Add	7,663.23	
		For Class 56 Rating, Add	10,152.93	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,462.60	2,406.97
		For Class 52 Rating, Deduct	-3,829.72	
		For Class 54 Rating, Add	5,266.12	
		For Class 55 Rating, Add	7,851.42	
		For Class 56 Rating, Add	10,401.91	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,312.49	2,411.37
		For Class 52 Rating, Deduct	-3,922.48	
		For Class 54 Rating, Add	5,392.68	
		For Class 55 Rating, Add	8,039.62	
		For Class 56 Rating, Add	10,650.91	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,162.37	2,415.75
		For Class 52 Rating, Deduct	-4,015.23	
		For Class 54 Rating, Add	5,519.24	
		For Class 55 Rating, Add	8,227.82	
		For Class 56 Rating, Add	10,899.90	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,012.25	2,420.15
		For Class 52 Rating, Deduct	-4,107.99	
		For Class 54 Rating, Add	5,645.81	
		For Class 55 Rating, Add	8,416.02	
		For Class 56 Rating, Add	11,148.89	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,862.12	2,424.54
		For Class 52 Rating, Deduct	-4,200.74	
		For Class 54 Rating, Add	5,772.37	
		For Class 55 Rating, Add	8,604.22	
		For Class 56 Rating, Add	11,397.88	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,712.01	2,428.94
		For Class 52 Rating, Deduct	-4,293.50	
		For Class 54 Rating, Add	5,898.93	
		For Class 55 Rating, Add	8,792.42	
		For Class 56 Rating, Add	11,646.87	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,561.89	2,433.32
		For Class 52 Rating, Deduct	-4,386.25	
		For Class 54 Rating, Add	6,025.50	
		For Class 55 Rating, Add	8,980.62	
		For Class 56 Rating, Add	11,895.86	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,411.77	2,437.72
		For Class 52 Rating, Deduct	-4,479.01	
		For Class 54 Rating, Add	6,152.06	
		For Class 55 Rating, Add	9,168.82	
		For Class 56 Rating, Add	12,144.85	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,261.65	2,442.11
		For Class 52 Rating, Deduct	-4,571.76	
		For Class 54 Rating, Add	6,278.63	
		For Class 55 Rating, Add	9,357.02	
		For Class 56 Rating, Add	12,393.85	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,111.53	2,446.50
		For Class 52 Rating, Deduct	-4,664.52	
		For Class 54 Rating, Add	6,405.19	
		For Class 55 Rating, Add	9,545.21	
		For Class 56 Rating, Add	12,642.83	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,961.41	2,450.89
		For Class 52 Rating, Deduct	-4,757.27	
		For Class 54 Rating, Add	6,531.75	
		For Class 55 Rating, Add	9,733.41	
		For Class 56 Rating, Add	12,891.83	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,811.29	2,455.29
		For Class 52 Rating, Deduct	-4,850.03	
		For Class 54 Rating, Add	6,658.32	
		For Class 55 Rating, Add	9,921.61	
		For Class 56 Rating, Add	13,140.82	
 40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)				
40 05 19 00-0477	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,577.26	2,890.12
		For Class 52 Rating, Deduct	-1,891.81	
		For Class 54 Rating, Add	2,632.29	
		For Class 55 Rating, Add	3,940.31	
		For Class 56 Rating, Add	5,231.14	
40 05 19 00-0478	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,843.73	2,894.51
		For Class 52 Rating, Deduct	-2,030.39	
		For Class 54 Rating, Add	2,821.34	
		For Class 55 Rating, Add	4,221.41	
		For Class 56 Rating, Add	5,603.02	
40 05 19 00-0479	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,095.16	2,898.91
		For Class 52 Rating, Deduct	-2,167.32	
		For Class 54 Rating, Add	3,008.14	
		For Class 55 Rating, Add	4,499.15	
		For Class 56 Rating, Add	5,970.47	
40 05 19 00-0480	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,359.12	2,903.30
		For Class 52 Rating, Deduct	-2,305.62	
		For Class 54 Rating, Add	3,196.81	
		For Class 55 Rating, Add	4,779.69	
		For Class 56 Rating, Add	6,341.61	
40 05 19 00-0481	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,610.53	2,907.69
		For Class 52 Rating, Deduct	-2,442.54	
		For Class 54 Rating, Add	3,383.61	
		For Class 55 Rating, Add	5,057.44	
		For Class 56 Rating, Add	6,709.06	
40 05 19 00-0482	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,877.01	2,912.08
		For Class 52 Rating, Deduct	-2,581.12	
		For Class 54 Rating, Add	3,572.66	
		For Class 55 Rating, Add	5,338.54	
		For Class 56 Rating, Add	7,080.95	
40 05 19 00-0483	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,125.91	2,916.48
		For Class 52 Rating, Deduct	-2,717.77	
		For Class 54 Rating, Add	3,759.08	
		For Class 55 Rating, Add	5,615.72	
		For Class 56 Rating, Add	7,447.65	
40 05 19 00-0484	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,392.39	2,920.86
		For Class 52 Rating, Deduct	-2,856.35	
		For Class 54 Rating, Add	3,948.13	
		For Class 55 Rating, Add	5,896.82	
		For Class 56 Rating, Add	7,819.54	
40 05 19 00-0485	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,643.80	2,925.26
		For Class 52 Rating, Deduct	-2,993.27	
		For Class 54 Rating, Add	4,134.93	
		For Class 55 Rating, Add	6,174.56	
		For Class 56 Rating, Add	8,186.98	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0486	EA 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,907.77	2,929.65
	For Class 52 Rating, Deduct	-3,131.58	
	For Class 54 Rating, Add	4,323.60	
	For Class 55 Rating, Add	6,455.10	
	For Class 56 Rating, Add	8,558.12	
40 05 19 00-0487	EA 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,159.18	2,934.05
	For Class 52 Rating, Deduct	-3,268.50	
	For Class 54 Rating, Add	4,510.40	
	For Class 55 Rating, Add	6,732.84	
	For Class 56 Rating, Add	8,925.57	
40 05 19 00-0488	EA 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,423.14	2,938.43
	For Class 52 Rating, Deduct	-3,406.81	
	For Class 54 Rating, Add	4,699.07	
	For Class 55 Rating, Add	7,013.38	
	For Class 56 Rating, Add	9,296.71	
40 05 19 00-0489	EA 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,674.58	2,942.83
	For Class 52 Rating, Deduct	-3,543.73	
	For Class 54 Rating, Add	4,885.87	
	For Class 55 Rating, Add	7,291.12	
	For Class 56 Rating, Add	9,664.16	
40 05 19 00-0490	EA 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,928.50	2,947.22
	For Class 52 Rating, Deduct	-3,680.93	
	For Class 54 Rating, Add	5,073.04	
	For Class 55 Rating, Add	7,569.42	
	For Class 56 Rating, Add	10,032.35	
40 05 19 00-0491	EA 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,189.95	2,951.62
	For Class 52 Rating, Deduct	-3,818.96	
	For Class 54 Rating, Add	5,261.34	
	For Class 55 Rating, Add	7,849.40	
	For Class 56 Rating, Add	10,402.75	
40 05 19 00-0492	EA 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,441.36	2,956.00
	For Class 52 Rating, Deduct	-3,955.88	
	For Class 54 Rating, Add	5,448.13	
	For Class 55 Rating, Add	8,127.14	
	For Class 56 Rating, Add	10,770.19	
40 05 19 00-0493	EA 42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,707.85	2,960.40
	For Class 52 Rating, Deduct	-4,094.46	
	For Class 54 Rating, Add	5,637.18	
	For Class 55 Rating, Add	8,408.24	
	For Class 56 Rating, Add	11,142.08	
40 05 19 00-0494	EA 42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,959.26	2,964.79
	For Class 52 Rating, Deduct	-4,231.39	
	For Class 54 Rating, Add	5,823.98	
	For Class 55 Rating, Add	8,685.99	
	For Class 56 Rating, Add	11,509.53	
40 05 19 00-0495	EA 42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,223.22	2,969.18
	For Class 52 Rating, Deduct	-4,369.69	
	For Class 54 Rating, Add	6,012.65	
	For Class 55 Rating, Add	8,966.52	
	For Class 56 Rating, Add	11,880.67	
40 05 19 00-0496	EA 42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,474.64	2,973.57
	For Class 52 Rating, Deduct	-4,506.61	
	For Class 54 Rating, Add	6,199.45	
	For Class 55 Rating, Add	9,244.27	
	For Class 56 Rating, Add	12,248.12	
40 05 19 00-0497	EA 42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,741.11	2,977.97
	For Class 52 Rating, Deduct	-4,645.19	
	For Class 54 Rating, Add	6,388.50	
	For Class 55 Rating, Add	9,525.37	
	For Class 56 Rating, Add	12,620.00	
40 05 19 00-0498	EA 42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,992.53	2,982.36
	For Class 52 Rating, Deduct	-4,782.12	
	For Class 54 Rating, Add	6,575.29	
	For Class 55 Rating, Add	9,803.11	
	For Class 56 Rating, Add	12,987.45	
40 05 19 00-0499	EA 42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,256.49	2,986.75
	For Class 52 Rating, Deduct	-4,920.42	
	For Class 54 Rating, Add	6,763.97	
	For Class 55 Rating, Add	10,083.65	
	For Class 56 Rating, Add	13,358.59	
40 05 19 00-0500	EA 42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,507.91	2,991.14
	For Class 52 Rating, Deduct	-5,057.35	
	For Class 54 Rating, Add	6,950.76	
	For Class 55 Rating, Add	10,361.39	
	For Class 56 Rating, Add	13,726.04	
40 05 19 00-0501	EA 42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,774.38	2,995.54
	For Class 52 Rating, Deduct	-5,195.93	
	For Class 54 Rating, Add	7,139.82	
	For Class 55 Rating, Add	10,642.49	
	For Class 56 Rating, Add	14,097.92	
40 05 19 00-0502	EA 42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,025.79	2,999.92
	For Class 52 Rating, Deduct	-5,332.85	
	For Class 54 Rating, Add	7,326.61	
	For Class 55 Rating, Add	10,920.23	
	For Class 56 Rating, Add	14,465.36	
40 05 19 00-0503	EA 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,287.25	3,004.32
	For Class 52 Rating, Deduct	-5,470.88	
	For Class 54 Rating, Add	7,514.91	
	For Class 55 Rating, Add	11,200.21	
	For Class 56 Rating, Add	14,835.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0504	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,541.18	3,008.71
			For Class 52 Rating, Deduct	-5,608.08	
			For Class 54 Rating, Add	7,702.08	
			For Class 55 Rating, Add	11,478.51	
			For Class 56 Rating, Add	15,203.96	
40 05 19 00-0505	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,541.64	3,013.11
			For Class 52 Rating, Deduct	-5,717.40	
			For Class 54 Rating, Add	7,851.23	
			For Class 55 Rating, Add	11,700.29	
			For Class 56 Rating, Add	15,497.37	
40 05 19 00-0506	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,056.56	3,017.49
			For Class 52 Rating, Deduct	-5,883.31	
			For Class 54 Rating, Add	8,077.55	
			For Class 55 Rating, Add	12,036.79	
			For Class 56 Rating, Add	15,942.55	
40 05 19 00-0507	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,307.99	3,021.89
			For Class 52 Rating, Deduct	-6,020.23	
			For Class 54 Rating, Add	8,264.35	
			For Class 55 Rating, Add	12,314.53	
			For Class 56 Rating, Add	16,309.99	
40 05 19 00-0508	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,571.95	3,026.28
			For Class 52 Rating, Deduct	-6,158.53	
			For Class 54 Rating, Add	8,453.02	
			For Class 55 Rating, Add	12,595.07	
			For Class 56 Rating, Add	16,681.14	
40 05 19 00-0509	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,823.36	3,030.68
			For Class 52 Rating, Deduct	-6,295.46	
			For Class 54 Rating, Add	8,639.82	
			For Class 55 Rating, Add	12,872.82	
			For Class 56 Rating, Add	17,048.58	
40 05 19 00-0510	EA		42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,089.83	3,035.06
			For Class 52 Rating, Deduct	-6,434.04	
			For Class 54 Rating, Add	8,828.87	
			For Class 55 Rating, Add	13,153.91	
			For Class 56 Rating, Add	17,420.47	
40 05 19 00-0511	EA		42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,338.74	3,039.46
			For Class 52 Rating, Deduct	-6,570.69	
			For Class 54 Rating, Add	9,015.29	
			For Class 55 Rating, Add	13,431.10	
			For Class 56 Rating, Add	17,787.17	
40 05 19 00-0512	EA		42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,605.22	3,043.85
			For Class 52 Rating, Deduct	-6,709.27	
			For Class 54 Rating, Add	9,204.34	
			For Class 55 Rating, Add	13,712.20	
			For Class 56 Rating, Add	18,159.06	
40 05 19 00-0513	EA		42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,856.63	3,048.24
			For Class 52 Rating, Deduct	-6,846.19	
			For Class 54 Rating, Add	9,391.13	
			For Class 55 Rating, Add	13,989.94	
			For Class 56 Rating, Add	18,526.50	
40 05 19 00-0514	EA		42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,120.60	3,052.63
			For Class 52 Rating, Deduct	-6,984.49	
			For Class 54 Rating, Add	9,579.81	
			For Class 55 Rating, Add	14,270.48	
			For Class 56 Rating, Add	18,897.65	
40 05 19 00-0515	48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)				
40 05 19 00-0516	EA		48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,066.15	3,632.42
			For Class 52 Rating, Deduct	-2,371.87	
			For Class 54 Rating, Add	3,300.42	
			For Class 55 Rating, Add	4,940.52	
			For Class 56 Rating, Add	6,559.06	
40 05 19 00-0517	EA		48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,907.32	3,636.81
			For Class 52 Rating, Deduct	-2,573.67	
			For Class 54 Rating, Add	3,575.67	
			For Class 55 Rating, Add	5,349.78	
			For Class 56 Rating, Add	7,100.49	
40 05 19 00-0518	EA		48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,745.98	3,641.20
			For Class 52 Rating, Deduct	-2,775.19	
			For Class 54 Rating, Add	3,850.56	
			For Class 55 Rating, Add	5,758.48	
			For Class 56 Rating, Add	7,641.17	
40 05 19 00-0519	EA		48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,599.70	3,645.60
			For Class 52 Rating, Deduct	-2,978.37	
			For Class 54 Rating, Add	4,127.69	
			For Class 55 Rating, Add	6,170.53	
			For Class 56 Rating, Add	8,186.29	
40 05 19 00-0520	EA		48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,440.87	3,649.98
			For Class 52 Rating, Deduct	-3,180.16	
			For Class 54 Rating, Add	4,402.95	
			For Class 55 Rating, Add	6,579.79	
			For Class 56 Rating, Add	8,727.71	
40 05 19 00-0521	EA		48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,282.05	3,654.38
			For Class 52 Rating, Deduct	-3,381.96	
			For Class 54 Rating, Add	4,678.21	
			For Class 55 Rating, Add	6,989.05	
			For Class 56 Rating, Add	9,269.14	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-0522	EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,133.26	3,658.77
	For Class 52 Rating, Deduct	-3,584.86	
	For Class 54 Rating, Add	4,954.97	
	For Class 55 Rating, Add	7,400.54	
	For Class 56 Rating, Add	9,813.52	
40 05 19 00-0523	EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,976.94	3,663.17
	For Class 52 Rating, Deduct	-3,786.94	
	For Class 54 Rating, Add	5,230.61	
	For Class 55 Rating, Add	7,810.36	
	For Class 56 Rating, Add	10,355.68	
40 05 19 00-0524	EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,815.60	3,667.55
	For Class 52 Rating, Deduct	-3,988.46	
	For Class 54 Rating, Add	5,505.49	
	For Class 55 Rating, Add	8,219.06	
	For Class 56 Rating, Add	10,896.36	
40 05 19 00-0525	EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,669.33	3,671.95
	For Class 52 Rating, Deduct	-4,191.63	
	For Class 54 Rating, Add	5,782.63	
	For Class 55 Rating, Add	8,631.11	
	For Class 56 Rating, Add	11,441.49	
40 05 19 00-0526	EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,510.50	3,676.34
	For Class 52 Rating, Deduct	-4,393.43	
	For Class 54 Rating, Add	6,057.88	
	For Class 55 Rating, Add	9,040.37	
	For Class 56 Rating, Add	11,982.91	
40 05 19 00-0527	EA 48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,364.22	3,680.73
	For Class 52 Rating, Deduct	-4,596.61	
	For Class 54 Rating, Add	6,335.02	
	For Class 55 Rating, Add	9,452.42	
	For Class 56 Rating, Add	12,528.04	
40 05 19 00-0528	EA 48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,202.88	3,685.12
	For Class 52 Rating, Deduct	-4,798.13	
	For Class 54 Rating, Add	6,609.91	
	For Class 55 Rating, Add	9,861.12	
	For Class 56 Rating, Add	13,068.72	
40 05 19 00-0529	EA 48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,044.05	3,689.52
	For Class 52 Rating, Deduct	-4,999.93	
	For Class 54 Rating, Add	6,885.16	
	For Class 55 Rating, Add	10,270.38	
	For Class 56 Rating, Add	13,610.14	
40 05 19 00-0530	EA 48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,897.78	3,693.91
	For Class 52 Rating, Deduct	-5,203.10	
	For Class 54 Rating, Add	7,162.30	
	For Class 55 Rating, Add	10,682.43	
	For Class 56 Rating, Add	14,155.26	
40 05 19 00-0531	EA 48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,738.95	3,698.30
	For Class 52 Rating, Deduct	-5,404.90	
	For Class 54 Rating, Add	7,437.56	
	For Class 55 Rating, Add	11,091.69	
	For Class 56 Rating, Add	14,696.69	
40 05 19 00-0532	EA 48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,577.61	3,702.69
	For Class 52 Rating, Deduct	-5,606.42	
	For Class 54 Rating, Add	7,712.44	
	For Class 55 Rating, Add	11,500.39	
	For Class 56 Rating, Add	15,237.37	
40 05 19 00-0533	EA 48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,431.33	3,707.09
	For Class 52 Rating, Deduct	-5,809.60	
	For Class 54 Rating, Add	7,989.58	
	For Class 55 Rating, Add	11,912.44	
	For Class 56 Rating, Add	15,782.49	
40 05 19 00-0534	EA 48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,272.50	3,711.48
	For Class 52 Rating, Deduct	-6,011.40	
	For Class 54 Rating, Add	8,264.84	
	For Class 55 Rating, Add	12,321.70	
	For Class 56 Rating, Add	16,323.91	
40 05 19 00-0535	EA 48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,111.17	3,715.87
	For Class 52 Rating, Deduct	-6,212.92	
	For Class 54 Rating, Add	8,539.72	
	For Class 55 Rating, Add	12,730.40	
	For Class 56 Rating, Add	16,864.60	
40 05 19 00-0536	EA 48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,964.88	3,720.26
	For Class 52 Rating, Deduct	-6,416.09	
	For Class 54 Rating, Add	8,816.86	
	For Class 55 Rating, Add	13,142.45	
	For Class 56 Rating, Add	17,409.72	
40 05 19 00-0537	EA 48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,808.57	3,724.66
	For Class 52 Rating, Deduct	-6,618.17	
	For Class 54 Rating, Add	9,092.49	
	For Class 55 Rating, Add	13,552.27	
	For Class 56 Rating, Add	17,951.88	
40 05 19 00-0538	EA 48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,647.23	3,729.04
	For Class 52 Rating, Deduct	-6,819.69	
	For Class 54 Rating, Add	9,367.37	
	For Class 55 Rating, Add	13,960.97	
	For Class 56 Rating, Add	18,492.56	
40 05 19 00-0539	EA 48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,500.95	3,733.44
	For Class 52 Rating, Deduct	-7,022.86	
	For Class 54 Rating, Add	9,644.51	
	For Class 55 Rating, Add	14,373.02	
	For Class 56 Rating, Add	19,037.69	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0540 EA 48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,342.13	3,737.83
For Class 52 Rating, Deduct	-7,224.66	
For Class 54 Rating, Add	9,919.77	
For Class 55 Rating, Add	14,782.28	
For Class 56 Rating, Add	19,579.11	
40 05 19 00-0541 EA 48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,180.79	3,742.23
For Class 52 Rating, Deduct	-7,426.18	
For Class 54 Rating, Add	10,194.65	
For Class 55 Rating, Add	15,190.98	
For Class 56 Rating, Add	20,119.79	
40 05 19 00-0542 EA 48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,034.51	3,746.61
For Class 52 Rating, Deduct	-7,629.36	
For Class 54 Rating, Add	10,471.79	
For Class 55 Rating, Add	15,603.03	
For Class 56 Rating, Add	20,664.92	
40 05 19 00-0543 EA 48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	76,875.67	3,751.01
For Class 52 Rating, Deduct	-7,831.16	
For Class 54 Rating, Add	10,747.05	
For Class 55 Rating, Add	16,012.29	
For Class 56 Rating, Add	21,206.34	
40 05 19 00-0544 EA 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	78,491.00	3,755.40
For Class 52 Rating, Deduct	-8,008.11	
For Class 54 Rating, Add	10,988.43	
For Class 55 Rating, Add	16,371.18	
For Class 56 Rating, Add	21,681.13	
40 05 19 00-0545 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	80,570.58	3,759.79
For Class 52 Rating, Deduct	-8,236.13	
For Class 54 Rating, Add	11,299.45	
For Class 55 Rating, Add	16,833.60	
For Class 56 Rating, Add	22,292.89	
40 05 19 00-0546 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	82,409.23	3,764.18
For Class 52 Rating, Deduct	-8,437.65	
For Class 54 Rating, Add	11,574.33	
For Class 55 Rating, Add	17,242.30	
For Class 56 Rating, Add	22,833.57	
40 05 19 00-0547 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	84,265.46	3,768.58
For Class 52 Rating, Deduct	-8,641.11	
For Class 54 Rating, Add	11,851.84	
For Class 55 Rating, Add	17,654.92	
For Class 56 Rating, Add	23,379.43	
40 05 19 00-0548 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	86,104.13	3,772.97
For Class 52 Rating, Deduct	-8,842.63	
For Class 54 Rating, Add	12,126.73	
For Class 55 Rating, Add	18,063.61	
For Class 56 Rating, Add	23,920.11	
40 05 19 00-0549 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	87,942.80	3,777.36
For Class 52 Rating, Deduct	-9,044.15	
For Class 54 Rating, Add	12,401.61	
For Class 55 Rating, Add	18,472.31	
For Class 56 Rating, Add	24,460.80	
40 05 19 00-0550 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	89,799.02	3,781.75
For Class 52 Rating, Deduct	-9,247.60	
For Class 54 Rating, Add	12,679.12	
For Class 55 Rating, Add	18,884.93	
For Class 56 Rating, Add	25,006.66	
40 05 19 00-0551 EA 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	91,637.69	3,786.15
For Class 52 Rating, Deduct	-9,449.12	
For Class 54 Rating, Add	12,954.00	
For Class 55 Rating, Add	19,293.62	
For Class 56 Rating, Add	25,547.34	
40 05 19 00-0552 EA 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	93,478.86	3,790.54
For Class 52 Rating, Deduct	-9,650.92	
For Class 54 Rating, Add	13,229.26	
For Class 55 Rating, Add	19,702.88	
For Class 56 Rating, Add	26,088.76	
40 05 19 00-0553 EA 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	95,332.58	3,794.93
For Class 52 Rating, Deduct	-9,854.09	
For Class 54 Rating, Add	13,506.40	
For Class 55 Rating, Add	20,114.94	
For Class 56 Rating, Add	26,633.89	
40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0001)		
40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0556 EA 4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	731.16	200.99
For Class 52 Rating, Deduct	-46.93	
For Class 54 Rating, Add	67.65	
For Class 55 Rating, Add	102.45	
For Class 56 Rating, Add	136.82	
40 05 19 00-0557 EA 4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	801.73	204.51
For Class 52 Rating, Deduct	-54.11	
For Class 54 Rating, Add	77.50	
For Class 55 Rating, Add	117.13	
For Class 56 Rating, Add	156.26	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0558	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	872.31	208.02
		Pipe		
		For Class 52 Rating, Deduct	-61.28	
		For Class 54 Rating, Add	87.35	
		For Class 55 Rating, Add	131.80	
		For Class 56 Rating, Add	175.70	
40 05 19 00-0559	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	942.88	211.53
		Pipe		
		For Class 52 Rating, Deduct	-68.46	
		For Class 54 Rating, Add	97.20	
		For Class 55 Rating, Add	146.48	
		For Class 56 Rating, Add	195.14	
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,013.46	215.05
		Pipe		
		For Class 52 Rating, Deduct	-75.64	
		For Class 54 Rating, Add	107.05	
		For Class 55 Rating, Add	161.16	
		For Class 56 Rating, Add	214.58	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,084.04	218.56
		Pipe		
		For Class 52 Rating, Deduct	-82.82	
		For Class 54 Rating, Add	116.91	
		For Class 55 Rating, Add	175.84	
		For Class 56 Rating, Add	234.02	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,154.60	222.08
		Pipe		
		For Class 52 Rating, Deduct	-89.99	
		For Class 54 Rating, Add	126.76	
		For Class 55 Rating, Add	190.52	
		For Class 56 Rating, Add	253.46	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,225.18	225.59
		Pipe		
		For Class 52 Rating, Deduct	-97.17	
		For Class 54 Rating, Add	136.61	
		For Class 55 Rating, Add	205.20	
		For Class 56 Rating, Add	272.90	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,295.75	229.10
		Pipe		
		For Class 52 Rating, Deduct	-104.35	
		For Class 54 Rating, Add	146.46	
		For Class 55 Rating, Add	219.88	
		For Class 56 Rating, Add	292.34	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,366.33	232.62
		Pipe		
		For Class 52 Rating, Deduct	-111.53	
		For Class 54 Rating, Add	156.31	
		For Class 55 Rating, Add	234.55	
		For Class 56 Rating, Add	311.78	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,436.90	236.13
		Pipe		
		For Class 52 Rating, Deduct	-118.70	
		For Class 54 Rating, Add	166.16	
		For Class 55 Rating, Add	249.23	
		For Class 56 Rating, Add	331.22	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,507.47	239.64
		Pipe		
		For Class 52 Rating, Deduct	-125.88	
		For Class 54 Rating, Add	176.01	
		For Class 55 Rating, Add	263.91	
		For Class 56 Rating, Add	350.66	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,578.05	243.16
		Pipe		
		For Class 52 Rating, Deduct	-133.06	
		For Class 54 Rating, Add	185.87	
		For Class 55 Rating, Add	278.59	
		For Class 56 Rating, Add	370.10	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,648.62	246.67
		Pipe		
		For Class 52 Rating, Deduct	-140.24	
		For Class 54 Rating, Add	195.72	
		For Class 55 Rating, Add	293.27	
		For Class 56 Rating, Add	389.54	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,719.20	250.19
		Pipe		
		For Class 52 Rating, Deduct	-147.41	
		For Class 54 Rating, Add	205.57	
		For Class 55 Rating, Add	307.95	
		For Class 56 Rating, Add	408.98	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,789.77	253.70
		Pipe		
		For Class 52 Rating, Deduct	-154.59	
		For Class 54 Rating, Add	215.42	
		For Class 55 Rating, Add	322.63	
		For Class 56 Rating, Add	428.43	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,860.35	257.21
		Pipe		
		For Class 52 Rating, Deduct	-161.77	
		For Class 54 Rating, Add	225.27	
		For Class 55 Rating, Add	337.30	
		For Class 56 Rating, Add	447.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,930.91	260.73
			For Class 52 Rating, Deduct	-168.95	
			For Class 54 Rating, Add	235.12	
			For Class 55 Rating, Add	351.98	
			For Class 56 Rating, Add	467.31	
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,001.48	264.24
			For Class 52 Rating, Deduct	-176.12	
			For Class 54 Rating, Add	244.97	
			For Class 55 Rating, Add	366.66	
			For Class 56 Rating, Add	486.74	
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,072.06	267.75
			For Class 52 Rating, Deduct	-183.30	
			For Class 54 Rating, Add	254.82	
			For Class 55 Rating, Add	381.34	
			For Class 56 Rating, Add	506.18	
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,142.63	271.27
			For Class 52 Rating, Deduct	-190.48	
			For Class 54 Rating, Add	264.68	
			For Class 55 Rating, Add	396.02	
			For Class 56 Rating, Add	525.62	
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,213.21	274.78
			For Class 52 Rating, Deduct	-197.66	
			For Class 54 Rating, Add	274.53	
			For Class 55 Rating, Add	410.69	
			For Class 56 Rating, Add	545.06	
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,283.78	278.30
			For Class 52 Rating, Deduct	-204.83	
			For Class 54 Rating, Add	284.38	
			For Class 55 Rating, Add	425.37	
			For Class 56 Rating, Add	564.51	
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,354.35	281.81
			For Class 52 Rating, Deduct	-212.01	
			For Class 54 Rating, Add	294.23	
			For Class 55 Rating, Add	440.05	
			For Class 56 Rating, Add	583.95	
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,424.93	285.32
			For Class 52 Rating, Deduct	-219.19	
			For Class 54 Rating, Add	304.08	
			For Class 55 Rating, Add	454.73	
			For Class 56 Rating, Add	603.39	
40 05 19 00-0581	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,495.50	288.84
			For Class 52 Rating, Deduct	-226.37	
			For Class 54 Rating, Add	313.93	
			For Class 55 Rating, Add	469.41	
			For Class 56 Rating, Add	622.83	
40 05 19 00-0582	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,566.08	292.35
			For Class 52 Rating, Deduct	-233.54	
			For Class 54 Rating, Add	323.78	
			For Class 55 Rating, Add	484.09	
			For Class 56 Rating, Add	642.27	
40 05 19 00-0583	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,636.65	295.86
			For Class 52 Rating, Deduct	-240.72	
			For Class 54 Rating, Add	333.63	
			For Class 55 Rating, Add	498.77	
			For Class 56 Rating, Add	661.71	
40 05 19 00-0584	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,707.23	299.38
			For Class 52 Rating, Deduct	-247.90	
			For Class 54 Rating, Add	343.49	
			For Class 55 Rating, Add	513.44	
			For Class 56 Rating, Add	681.15	
40 05 19 00-0585	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,777.79	302.89
			For Class 52 Rating, Deduct	-255.08	
			For Class 54 Rating, Add	353.34	
			For Class 55 Rating, Add	528.12	
			For Class 56 Rating, Add	700.59	
40 05 19 00-0586	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,848.37	306.41
			For Class 52 Rating, Deduct	-262.25	
			For Class 54 Rating, Add	363.19	
			For Class 55 Rating, Add	542.80	
			For Class 56 Rating, Add	720.03	
40 05 19 00-0587	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,918.95	309.92
			For Class 52 Rating, Deduct	-269.43	
			For Class 54 Rating, Add	373.04	
			For Class 55 Rating, Add	557.48	
			For Class 56 Rating, Add	739.47	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,989.52	313.43
		For Class 52 Rating, Deduct	-276.61	
		For Class 54 Rating, Add	382.89	
		For Class 55 Rating, Add	572.16	
		For Class 56 Rating, Add	758.91	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,060.10	316.95
		For Class 52 Rating, Deduct	-283.79	
		For Class 54 Rating, Add	392.74	
		For Class 55 Rating, Add	586.84	
		For Class 56 Rating, Add	778.35	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,130.66	320.46
		For Class 52 Rating, Deduct	-290.96	
		For Class 54 Rating, Add	402.59	
		For Class 55 Rating, Add	601.51	
		For Class 56 Rating, Add	797.79	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,201.24	323.97
		For Class 52 Rating, Deduct	-298.14	
		For Class 54 Rating, Add	412.45	
		For Class 55 Rating, Add	616.19	
		For Class 56 Rating, Add	817.23	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,271.81	327.49
		For Class 52 Rating, Deduct	-305.32	
		For Class 54 Rating, Add	422.30	
		For Class 55 Rating, Add	630.87	
		For Class 56 Rating, Add	836.67	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,342.39	331.00
		For Class 52 Rating, Deduct	-312.50	
		For Class 54 Rating, Add	432.15	
		For Class 55 Rating, Add	645.55	
		For Class 56 Rating, Add	856.11	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,412.97	334.52
		For Class 52 Rating, Deduct	-319.67	
		For Class 54 Rating, Add	442.00	
		For Class 55 Rating, Add	660.23	
		For Class 56 Rating, Add	875.55	

40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	912.85	252.99
		For Class 52 Rating, Deduct	-58.25	
		For Class 54 Rating, Add	84.03	
		For Class 55 Rating, Add	127.28	
		For Class 56 Rating, Add	170.01	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	998.48	256.51
		For Class 52 Rating, Deduct	-67.08	
		For Class 54 Rating, Add	96.14	
		For Class 55 Rating, Add	145.32	
		For Class 56 Rating, Add	193.89	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,084.11	260.02
		For Class 52 Rating, Deduct	-75.92	
		For Class 54 Rating, Add	108.25	
		For Class 55 Rating, Add	163.36	
		For Class 56 Rating, Add	217.77	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,169.75	263.53
		For Class 52 Rating, Deduct	-84.75	
		For Class 54 Rating, Add	120.36	
		For Class 55 Rating, Add	181.39	
		For Class 56 Rating, Add	241.66	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,255.38	267.05
		For Class 52 Rating, Deduct	-93.58	
		For Class 54 Rating, Add	132.47	
		For Class 55 Rating, Add	199.43	
		For Class 56 Rating, Add	265.54	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,341.01	270.56
		For Class 52 Rating, Deduct	-102.42	
		For Class 54 Rating, Add	144.58	
		For Class 55 Rating, Add	217.47	
		For Class 56 Rating, Add	289.42	
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,426.64	274.07
		For Class 52 Rating, Deduct	-111.25	
		For Class 54 Rating, Add	156.69	
		For Class 55 Rating, Add	235.50	
		For Class 56 Rating, Add	313.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0603	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,512.27	277.59
			For Class 52 Rating, Deduct	-120.08	
			For Class 54 Rating, Add	168.80	
			For Class 55 Rating, Add	253.54	
			For Class 56 Rating, Add	337.19	
40 05 19 00-0604	EA		6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,597.90	281.10
			For Class 52 Rating, Deduct	-128.92	
			For Class 54 Rating, Add	180.91	
			For Class 55 Rating, Add	271.57	
			For Class 56 Rating, Add	361.07	
40 05 19 00-0605	EA		6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,683.53	284.62
			For Class 52 Rating, Deduct	-137.75	
			For Class 54 Rating, Add	193.02	
			For Class 55 Rating, Add	289.61	
			For Class 56 Rating, Add	384.95	
40 05 19 00-0606	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,769.17	288.13
			For Class 52 Rating, Deduct	-146.59	
			For Class 54 Rating, Add	205.13	
			For Class 55 Rating, Add	307.65	
			For Class 56 Rating, Add	408.83	
40 05 19 00-0607	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,854.79	291.64
			For Class 52 Rating, Deduct	-155.42	
			For Class 54 Rating, Add	217.24	
			For Class 55 Rating, Add	325.68	
			For Class 56 Rating, Add	432.71	
40 05 19 00-0608	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,940.42	295.16
			For Class 52 Rating, Deduct	-164.25	
			For Class 54 Rating, Add	229.35	
			For Class 55 Rating, Add	343.72	
			For Class 56 Rating, Add	456.60	
40 05 19 00-0609	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,026.06	298.67
			For Class 52 Rating, Deduct	-173.09	
			For Class 54 Rating, Add	241.46	
			For Class 55 Rating, Add	361.76	
			For Class 56 Rating, Add	480.48	
40 05 19 00-0610	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,111.69	302.19
			For Class 52 Rating, Deduct	-181.92	
			For Class 54 Rating, Add	253.57	
			For Class 55 Rating, Add	379.79	
			For Class 56 Rating, Add	504.36	
40 05 19 00-0611	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,197.32	305.70
			For Class 52 Rating, Deduct	-190.75	
			For Class 54 Rating, Add	265.68	
			For Class 55 Rating, Add	397.63	
			For Class 56 Rating, Add	528.24	
40 05 19 00-0612	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,282.95	309.21
			For Class 52 Rating, Deduct	-199.59	
			For Class 54 Rating, Add	277.79	
			For Class 55 Rating, Add	415.86	
			For Class 56 Rating, Add	552.13	
40 05 19 00-0613	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,368.58	312.73
			For Class 52 Rating, Deduct	-208.42	
			For Class 54 Rating, Add	289.90	
			For Class 55 Rating, Add	433.90	
			For Class 56 Rating, Add	576.01	
40 05 19 00-0614	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,454.22	316.24
			For Class 52 Rating, Deduct	-217.26	
			For Class 54 Rating, Add	302.01	
			For Class 55 Rating, Add	451.94	
			For Class 56 Rating, Add	599.89	
40 05 19 00-0615	EA		6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,539.84	319.75
			For Class 52 Rating, Deduct	-226.09	
			For Class 54 Rating, Add	314.12	
			For Class 55 Rating, Add	469.97	
			For Class 56 Rating, Add	623.77	
40 05 19 00-0616	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,625.48	323.27
			For Class 52 Rating, Deduct	-234.92	
			For Class 54 Rating, Add	326.23	
			For Class 55 Rating, Add	488.01	
			For Class 56 Rating, Add	647.66	
40 05 19 00-0617	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,711.11	326.78
			For Class 52 Rating, Deduct	-243.76	
			For Class 54 Rating, Add	338.34	
			For Class 55 Rating, Add	506.05	
			For Class 56 Rating, Add	671.54	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,796.74	330.30
		For Class 52 Rating, Deduct	-252.59	
		For Class 54 Rating, Add	350.45	
		For Class 55 Rating, Add	524.08	
		For Class 56 Rating, Add	695.42	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,882.36	333.81
		For Class 52 Rating, Deduct	-261.42	
		For Class 54 Rating, Add	362.56	
		For Class 55 Rating, Add	542.12	
		For Class 56 Rating, Add	719.30	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,968.00	337.32
		For Class 52 Rating, Deduct	-270.26	
		For Class 54 Rating, Add	374.67	
		For Class 55 Rating, Add	560.16	
		For Class 56 Rating, Add	743.19	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,053.64	340.84
		For Class 52 Rating, Deduct	-279.09	
		For Class 54 Rating, Add	386.78	
		For Class 55 Rating, Add	578.19	
		For Class 56 Rating, Add	767.07	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,139.26	344.35
		For Class 52 Rating, Deduct	-287.93	
		For Class 54 Rating, Add	398.89	
		For Class 55 Rating, Add	596.23	
		For Class 56 Rating, Add	790.95	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,224.90	347.86
		For Class 52 Rating, Deduct	-296.76	
		For Class 54 Rating, Add	411.00	
		For Class 55 Rating, Add	614.26	
		For Class 56 Rating, Add	814.83	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,310.53	351.38
		For Class 52 Rating, Deduct	-305.59	
		For Class 54 Rating, Add	423.11	
		For Class 55 Rating, Add	632.30	
		For Class 56 Rating, Add	838.71	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,396.15	354.89
		For Class 52 Rating, Deduct	-314.43	
		For Class 54 Rating, Add	435.22	
		For Class 55 Rating, Add	650.34	
		For Class 56 Rating, Add	862.59	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,481.78	358.41
		For Class 52 Rating, Deduct	-323.26	
		For Class 54 Rating, Add	447.33	
		For Class 55 Rating, Add	668.37	
		For Class 56 Rating, Add	886.48	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,567.42	361.92
		For Class 52 Rating, Deduct	-332.10	
		For Class 54 Rating, Add	459.44	
		For Class 55 Rating, Add	686.41	
		For Class 56 Rating, Add	910.36	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,653.06	365.43
		For Class 52 Rating, Deduct	-340.93	
		For Class 54 Rating, Add	471.55	
		For Class 55 Rating, Add	704.45	
		For Class 56 Rating, Add	934.24	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,738.68	368.95
		For Class 52 Rating, Deduct	-349.76	
		For Class 54 Rating, Add	483.66	
		For Class 55 Rating, Add	722.48	
		For Class 56 Rating, Add	958.12	
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,824.31	372.46
		For Class 52 Rating, Deduct	-358.60	
		For Class 54 Rating, Add	495.77	
		For Class 55 Rating, Add	740.52	
		For Class 56 Rating, Add	982.01	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,909.94	375.97
		For Class 52 Rating, Deduct	-367.43	
		For Class 54 Rating, Add	507.88	
		For Class 55 Rating, Add	758.55	
		For Class 56 Rating, Add	1,005.89	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,995.57	379.49
		For Class 52 Rating, Deduct	-376.26	
		For Class 54 Rating, Add	519.99	
		For Class 55 Rating, Add	776.59	
		For Class 56 Rating, Add	1,029.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0633	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,081.20	383.00
			For Class 52 Rating, Deduct	-385.10	
			For Class 54 Rating, Add	532.10	
			For Class 55 Rating, Add	794.63	
			For Class 56 Rating, Add	1,053.65	
40 05 19 00-0634	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,166.84	386.53
			For Class 52 Rating, Deduct	-393.93	
			For Class 54 Rating, Add	544.21	
			For Class 55 Rating, Add	812.66	
			For Class 56 Rating, Add	1,077.54	
40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)					
40 05 19 00-0636	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,262.77	323.27
			For Class 52 Rating, Deduct	-85.03	
			For Class 54 Rating, Add	121.82	
			For Class 55 Rating, Add	184.13	
			For Class 56 Rating, Add	245.66	
40 05 19 00-0637	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,378.51	326.78
			For Class 52 Rating, Deduct	-97.17	
			For Class 54 Rating, Add	138.45	
			For Class 55 Rating, Add	208.88	
			For Class 56 Rating, Add	278.42	
40 05 19 00-0638	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,494.26	330.30
			For Class 52 Rating, Deduct	-109.32	
			For Class 54 Rating, Add	155.08	
			For Class 55 Rating, Add	233.63	
			For Class 56 Rating, Add	311.19	
40 05 19 00-0639	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,609.99	333.81
			For Class 52 Rating, Deduct	-121.46	
			For Class 54 Rating, Add	171.70	
			For Class 55 Rating, Add	258.38	
			For Class 56 Rating, Add	343.95	
40 05 19 00-0640	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,725.75	337.32
			For Class 52 Rating, Deduct	-133.61	
			For Class 54 Rating, Add	188.33	
			For Class 55 Rating, Add	283.13	
			For Class 56 Rating, Add	376.72	
40 05 19 00-0641	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,841.50	340.84
			For Class 52 Rating, Deduct	-145.76	
			For Class 54 Rating, Add	204.96	
			For Class 55 Rating, Add	307.88	
			For Class 56 Rating, Add	409.49	
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,957.24	344.35
			For Class 52 Rating, Deduct	-157.90	
			For Class 54 Rating, Add	221.58	
			For Class 55 Rating, Add	332.64	
			For Class 56 Rating, Add	442.25	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,072.99	347.86
			For Class 52 Rating, Deduct	-170.05	
			For Class 54 Rating, Add	238.21	
			For Class 55 Rating, Add	357.39	
			For Class 56 Rating, Add	475.02	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,188.74	351.38
			For Class 52 Rating, Deduct	-182.20	
			For Class 54 Rating, Add	254.84	
			For Class 55 Rating, Add	382.14	
			For Class 56 Rating, Add	507.79	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,304.48	354.89
			For Class 52 Rating, Deduct	-194.34	
			For Class 54 Rating, Add	271.47	
			For Class 55 Rating, Add	406.89	
			For Class 56 Rating, Add	540.55	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,420.22	358.41
			For Class 52 Rating, Deduct	-206.49	
			For Class 54 Rating, Add	288.09	
			For Class 55 Rating, Add	431.64	
			For Class 56 Rating, Add	573.32	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,535.97	361.92
			For Class 52 Rating, Deduct	-218.64	
			For Class 54 Rating, Add	304.72	
			For Class 55 Rating, Add	456.40	
			For Class 56 Rating, Add	606.08	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,651.73	365.43
		For Class 52 Rating, Deduct	-230.78	
		For Class 54 Rating, Add	321.35	
		For Class 55 Rating, Add	481.15	
		For Class 56 Rating, Add	638.85	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,767.47	368.95
		For Class 52 Rating, Deduct	-242.93	
		For Class 54 Rating, Add	337.98	
		For Class 55 Rating, Add	505.90	
		For Class 56 Rating, Add	671.62	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,883.21	372.46
		For Class 52 Rating, Deduct	-255.08	
		For Class 54 Rating, Add	354.60	
		For Class 55 Rating, Add	530.65	
		For Class 56 Rating, Add	704.38	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	2,998.95	375.97
		For Class 52 Rating, Deduct	-267.22	
		For Class 54 Rating, Add	371.23	
		For Class 55 Rating, Add	555.40	
		For Class 56 Rating, Add	737.15	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,114.71	379.49
		For Class 52 Rating, Deduct	-279.37	
		For Class 54 Rating, Add	387.86	
		For Class 55 Rating, Add	580.16	
		For Class 56 Rating, Add	769.92	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,230.45	383.00
		For Class 52 Rating, Deduct	-291.52	
		For Class 54 Rating, Add	404.48	
		For Class 55 Rating, Add	604.91	
		For Class 56 Rating, Add	802.68	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,346.20	386.53
		For Class 52 Rating, Deduct	-303.66	
		For Class 54 Rating, Add	421.11	
		For Class 55 Rating, Add	629.66	
		For Class 56 Rating, Add	835.45	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,461.95	390.04
		For Class 52 Rating, Deduct	-315.81	
		For Class 54 Rating, Add	437.74	
		For Class 55 Rating, Add	654.41	
		For Class 56 Rating, Add	868.21	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,577.68	393.55
		For Class 52 Rating, Deduct	-327.95	
		For Class 54 Rating, Add	454.37	
		For Class 55 Rating, Add	679.16	
		For Class 56 Rating, Add	900.98	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,693.44	397.07
		For Class 52 Rating, Deduct	-340.10	
		For Class 54 Rating, Add	470.99	
		For Class 55 Rating, Add	703.92	
		For Class 56 Rating, Add	933.75	
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,809.18	400.58
		For Class 52 Rating, Deduct	-352.25	
		For Class 54 Rating, Add	487.62	
		For Class 55 Rating, Add	728.67	
		For Class 56 Rating, Add	966.51	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,924.93	404.09
		For Class 52 Rating, Deduct	-364.39	
		For Class 54 Rating, Add	504.25	
		For Class 55 Rating, Add	753.42	
		For Class 56 Rating, Add	999.28	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,040.67	407.61
		For Class 52 Rating, Deduct	-376.54	
		For Class 54 Rating, Add	520.87	
		For Class 55 Rating, Add	778.17	
		For Class 56 Rating, Add	1,032.04	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,156.43	411.12
		For Class 52 Rating, Deduct	-388.69	
		For Class 54 Rating, Add	537.50	
		For Class 55 Rating, Add	802.92	
		For Class 56 Rating, Add	1,064.81	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,272.17	414.64
		For Class 52 Rating, Deduct	-400.83	
		For Class 54 Rating, Add	554.13	
		For Class 55 Rating, Add	827.68	
		For Class 56 Rating, Add	1,097.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0663	EA	8"	Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,387.91 -412.98 570.76 852.43 1,130.34	418.15
40 05 19 00-0664	EA	8"	Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,503.66 -425.13 587.38 877.18 1,163.11	421.66
40 05 19 00-0665	EA	8"	Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,619.41 -437.27 604.01 901.93 1,195.88	425.18
40 05 19 00-0666	EA	8"	Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,735.16 -449.42 620.64 926.68 1,228.64	428.69
40 05 19 00-0667	EA	8"	Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,850.89 -461.57 637.27 951.44 1,261.41	432.20
40 05 19 00-0668	EA	8"	Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,966.64 -473.71 653.89 976.19 1,294.17	435.72
40 05 19 00-0669	EA	8"	Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,082.40 -485.86 670.52 1,000.94 1,326.94	439.23
40 05 19 00-0670	EA	8"	Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,198.14 -498.01 687.15 1,025.69 1,359.71	442.75
40 05 19 00-0671	EA	8"	Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,313.89 -510.15 703.77 1,050.44 1,392.47	446.26
40 05 19 00-0672	EA	8"	Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,429.63 -522.30 720.40 1,075.19 1,425.24	449.77
40 05 19 00-0673	EA	8"	Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,545.38 -534.44 737.03 1,099.95 1,458.01	453.29
40 05 19 00-0674	EA	8"	Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,661.12 -546.59 753.66 1,124.70 1,490.77	456.80
40 05 19 00-0675			10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0676	EA	10"	Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,585.06 -108.77 155.47 234.81 313.16	393.55
40 05 19 00-0677	EA	10"	Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	1,735.95 -124.78 177.37 267.40 356.29	397.07

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-0678	EA 10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,886.83		400.58
	For Class 52 Rating, Deduct	-140.79		
	For Class 54 Rating, Add	199.27		
	For Class 55 Rating, Add	299.98		
	For Class 56 Rating, Add	399.42		
40 05 19 00-0679	EA 10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,037.71		404.09
	For Class 52 Rating, Deduct	-156.80		
	For Class 54 Rating, Add	221.16		
	For Class 55 Rating, Add	332.57		
	For Class 56 Rating, Add	442.55		
40 05 19 00-0680	EA 10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,188.59		407.61
	For Class 52 Rating, Deduct	-172.81		
	For Class 54 Rating, Add	243.06		
	For Class 55 Rating, Add	365.16		
	For Class 56 Rating, Add	485.68		
40 05 19 00-0681	EA 10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,339.48		411.12
	For Class 52 Rating, Deduct	-188.82		
	For Class 54 Rating, Add	264.96		
	For Class 55 Rating, Add	397.74		
	For Class 56 Rating, Add	528.81		
40 05 19 00-0682	EA 10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,490.35		414.64
	For Class 52 Rating, Deduct	-204.83		
	For Class 54 Rating, Add	286.86		
	For Class 55 Rating, Add	430.33		
	For Class 56 Rating, Add	571.94		
40 05 19 00-0683	EA 10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,641.23		418.15
	For Class 52 Rating, Deduct	-220.84		
	For Class 54 Rating, Add	308.75		
	For Class 55 Rating, Add	462.92		
	For Class 56 Rating, Add	615.07		
40 05 19 00-0684	EA 10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,792.12		421.66
	For Class 52 Rating, Deduct	-236.86		
	For Class 54 Rating, Add	330.65		
	For Class 55 Rating, Add	495.51		
	For Class 56 Rating, Add	658.21		
40 05 19 00-0685	EA 10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,942.99		425.18
	For Class 52 Rating, Deduct	-252.87		
	For Class 54 Rating, Add	352.55		
	For Class 55 Rating, Add	528.09		
	For Class 56 Rating, Add	701.33		
40 05 19 00-0686	EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,093.88		428.69
	For Class 52 Rating, Deduct	-268.88		
	For Class 54 Rating, Add	374.45		
	For Class 55 Rating, Add	560.68		
	For Class 56 Rating, Add	744.47		
40 05 19 00-0687	EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,244.75		432.20
	For Class 52 Rating, Deduct	-284.89		
	For Class 54 Rating, Add	396.34		
	For Class 55 Rating, Add	593.27		
	For Class 56 Rating, Add	787.60		
40 05 19 00-0688	EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,395.63		435.72
	For Class 52 Rating, Deduct	-300.90		
	For Class 54 Rating, Add	418.24		
	For Class 55 Rating, Add	625.85		
	For Class 56 Rating, Add	830.73		
40 05 19 00-0689	EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,546.52		439.23
	For Class 52 Rating, Deduct	-316.91		
	For Class 54 Rating, Add	440.14		
	For Class 55 Rating, Add	658.44		
	For Class 56 Rating, Add	873.86		
40 05 19 00-0690	EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,697.40		442.75
	For Class 52 Rating, Deduct	-332.92		
	For Class 54 Rating, Add	462.04		
	For Class 55 Rating, Add	691.03		
	For Class 56 Rating, Add	916.99		
40 05 19 00-0691	EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,848.28		446.26
	For Class 52 Rating, Deduct	-348.93		
	For Class 54 Rating, Add	483.93		
	For Class 55 Rating, Add	723.61		
	For Class 56 Rating, Add	960.12		
40 05 19 00-0692	EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,999.16		449.77
	For Class 52 Rating, Deduct	-364.95		
	For Class 54 Rating, Add	505.83		
	For Class 55 Rating, Add	756.20		
	For Class 56 Rating, Add	1,003.25		

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
40 05 19 00-0693	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,150.04	453.29
		For Class 52 Rating, Deduct		-380.96	
		For Class 54 Rating, Add		527.73	
		For Class 55 Rating, Add		788.79	
		For Class 56 Rating, Add		1,046.38	
40 05 19 00-0694	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,300.91	456.80
		For Class 52 Rating, Deduct		-396.97	
		For Class 54 Rating, Add		549.63	
		For Class 55 Rating, Add		821.37	
		For Class 56 Rating, Add		1,089.51	
40 05 19 00-0695	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,451.80	460.32
		For Class 52 Rating, Deduct		-412.98	
		For Class 54 Rating, Add		571.52	
		For Class 55 Rating, Add		853.96	
		For Class 56 Rating, Add		1,132.64	
40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,602.69	463.83
		For Class 52 Rating, Deduct		-428.99	
		For Class 54 Rating, Add		593.42	
		For Class 55 Rating, Add		886.55	
		For Class 56 Rating, Add		1,175.78	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,753.57	467.34
		For Class 52 Rating, Deduct		-445.00	
		For Class 54 Rating, Add		615.32	
		For Class 55 Rating, Add		919.14	
		For Class 56 Rating, Add		1,218.91	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,904.45	470.86
		For Class 52 Rating, Deduct		-461.01	
		For Class 54 Rating, Add		637.22	
		For Class 55 Rating, Add		951.72	
		For Class 56 Rating, Add		1,262.04	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,055.32	474.37
		For Class 52 Rating, Deduct		-477.02	
		For Class 54 Rating, Add		659.11	
		For Class 55 Rating, Add		984.31	
		For Class 56 Rating, Add		1,305.17	
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,206.21	477.88
		For Class 52 Rating, Deduct		-493.04	
		For Class 54 Rating, Add		681.01	
		For Class 55 Rating, Add		1,016.90	
		For Class 56 Rating, Add		1,348.30	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,357.08	481.40
		For Class 52 Rating, Deduct		-509.05	
		For Class 54 Rating, Add		702.91	
		For Class 55 Rating, Add		1,049.48	
		For Class 56 Rating, Add		1,391.43	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,507.97	484.91
		For Class 52 Rating, Deduct		-525.06	
		For Class 54 Rating, Add		724.81	
		For Class 55 Rating, Add		1,082.07	
		For Class 56 Rating, Add		1,434.56	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,658.86	488.43
		For Class 52 Rating, Deduct		-541.07	
		For Class 54 Rating, Add		746.70	
		For Class 55 Rating, Add		1,114.66	
		For Class 56 Rating, Add		1,477.69	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,809.73	491.94
		For Class 52 Rating, Deduct		-557.08	
		For Class 54 Rating, Add		768.60	
		For Class 55 Rating, Add		1,147.24	
		For Class 56 Rating, Add		1,520.82	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,960.61	495.45
		For Class 52 Rating, Deduct		-573.09	
		For Class 54 Rating, Add		790.50	
		For Class 55 Rating, Add		1,179.83	
		For Class 56 Rating, Add		1,563.95	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,111.49	498.97
		For Class 52 Rating, Deduct		-589.10	
		For Class 54 Rating, Add		812.40	
		For Class 55 Rating, Add		1,212.42	
		For Class 56 Rating, Add		1,607.09	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,262.37	502.48
		For Class 52 Rating, Deduct		-605.11	
		For Class 54 Rating, Add		834.29	
		For Class 55 Rating, Add		1,245.00	
		For Class 56 Rating, Add		1,650.21	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,413.25	505.99
		For Class 52 Rating, Deduct	-621.13	
		For Class 54 Rating, Add	856.19	
		For Class 55 Rating, Add	1,277.59	
		For Class 56 Rating, Add	1,693.35	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,564.14	509.51
		For Class 52 Rating, Deduct	-637.14	
		For Class 54 Rating, Add	878.09	
		For Class 55 Rating, Add	1,310.18	
		For Class 56 Rating, Add	1,736.48	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,715.01	513.02
		For Class 52 Rating, Deduct	-653.15	
		For Class 54 Rating, Add	899.98	
		For Class 55 Rating, Add	1,342.76	
		For Class 56 Rating, Add	1,779.61	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,865.89	516.54
		For Class 52 Rating, Deduct	-669.16	
		For Class 54 Rating, Add	921.88	
		For Class 55 Rating, Add	1,375.35	
		For Class 56 Rating, Add	1,822.74	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,016.78	520.05
		For Class 52 Rating, Deduct	-685.17	
		For Class 54 Rating, Add	943.78	
		For Class 55 Rating, Add	1,407.94	
		For Class 56 Rating, Add	1,865.87	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,167.65	523.56
		For Class 52 Rating, Deduct	-701.18	
		For Class 54 Rating, Add	965.68	
		For Class 55 Rating, Add	1,440.53	
		For Class 56 Rating, Add	1,909.00	
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,318.54	527.08
		For Class 52 Rating, Deduct	-717.19	
		For Class 54 Rating, Add	987.57	
		For Class 55 Rating, Add	1,473.11	
		For Class 56 Rating, Add	1,952.13	

40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,055.37	491.94
		For Class 52 Rating, Deduct	-144.10	
		For Class 54 Rating, Add	205.45	
		For Class 55 Rating, Add	310.02	
		For Class 56 Rating, Add	413.29	
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,243.89	495.45
		For Class 52 Rating, Deduct	-164.25	
		For Class 54 Rating, Add	232.99	
		For Class 55 Rating, Add	351.00	
		For Class 56 Rating, Add	467.52	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,432.41	498.97
		For Class 52 Rating, Deduct	-184.41	
		For Class 54 Rating, Add	260.53	
		For Class 55 Rating, Add	391.98	
		For Class 56 Rating, Add	521.76	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,620.94	502.48
		For Class 52 Rating, Deduct	-204.56	
		For Class 54 Rating, Add	288.08	
		For Class 55 Rating, Add	432.96	
		For Class 56 Rating, Add	575.99	
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,809.46	505.99
		For Class 52 Rating, Deduct	-224.71	
		For Class 54 Rating, Add	315.62	
		For Class 55 Rating, Add	473.95	
		For Class 56 Rating, Add	630.23	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,998.00	509.51
		For Class 52 Rating, Deduct	-244.86	
		For Class 54 Rating, Add	343.17	
		For Class 55 Rating, Add	514.93	
		For Class 56 Rating, Add	684.47	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,186.52	513.02
		For Class 52 Rating, Deduct	-265.01	
		For Class 54 Rating, Add	370.71	
		For Class 55 Rating, Add	555.91	
		For Class 56 Rating, Add	738.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0723	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,375.04	516.54
			For Class 52 Rating, Deduct	-285.17	
			For Class 54 Rating, Add	398.25	
			For Class 55 Rating, Add	596.89	
			For Class 56 Rating, Add	792.94	
40 05 19 00-0724	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,563.57	520.05
			For Class 52 Rating, Deduct	-305.32	
			For Class 54 Rating, Add	425.80	
			For Class 55 Rating, Add	637.87	
			For Class 56 Rating, Add	847.17	
40 05 19 00-0725	EA		12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,752.09	523.56
			For Class 52 Rating, Deduct	-325.47	
			For Class 54 Rating, Add	453.34	
			For Class 55 Rating, Add	678.86	
			For Class 56 Rating, Add	901.41	
40 05 19 00-0726	EA		12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,940.62	527.08
			For Class 52 Rating, Deduct	-345.62	
			For Class 54 Rating, Add	480.89	
			For Class 55 Rating, Add	719.84	
			For Class 56 Rating, Add	955.65	
40 05 19 00-0727	EA		12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,129.14	530.59
			For Class 52 Rating, Deduct	-365.77	
			For Class 54 Rating, Add	508.43	
			For Class 55 Rating, Add	760.82	
			For Class 56 Rating, Add	1,009.88	
40 05 19 00-0728	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,317.66	534.10
			For Class 52 Rating, Deduct	-385.93	
			For Class 54 Rating, Add	535.97	
			For Class 55 Rating, Add	801.80	
			For Class 56 Rating, Add	1,064.12	
40 05 19 00-0729	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,506.19	537.62
			For Class 52 Rating, Deduct	-406.08	
			For Class 54 Rating, Add	563.52	
			For Class 55 Rating, Add	842.78	
			For Class 56 Rating, Add	1,118.35	
40 05 19 00-0730	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,694.71	541.13
			For Class 52 Rating, Deduct	-426.23	
			For Class 54 Rating, Add	591.06	
			For Class 55 Rating, Add	883.76	
			For Class 56 Rating, Add	1,172.59	
40 05 19 00-0731	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,883.24	544.65
			For Class 52 Rating, Deduct	-446.38	
			For Class 54 Rating, Add	618.61	
			For Class 55 Rating, Add	924.74	
			For Class 56 Rating, Add	1,226.82	
40 05 19 00-0732	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,071.76	548.16
			For Class 52 Rating, Deduct	-466.53	
			For Class 54 Rating, Add	646.15	
			For Class 55 Rating, Add	965.73	
			For Class 56 Rating, Add	1,281.06	
40 05 19 00-0733	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,260.29	551.67
			For Class 52 Rating, Deduct	-486.69	
			For Class 54 Rating, Add	673.69	
			For Class 55 Rating, Add	1,006.71	
			For Class 56 Rating, Add	1,335.30	
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,448.81	555.19
			For Class 52 Rating, Deduct	-506.84	
			For Class 54 Rating, Add	701.24	
			For Class 55 Rating, Add	1,047.69	
			For Class 56 Rating, Add	1,389.53	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,637.34	558.70
			For Class 52 Rating, Deduct	-526.99	
			For Class 54 Rating, Add	728.78	
			For Class 55 Rating, Add	1,088.67	
			For Class 56 Rating, Add	1,443.77	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,825.87	562.21
			For Class 52 Rating, Deduct	-547.14	
			For Class 54 Rating, Add	756.33	
			For Class 55 Rating, Add	1,129.65	
			For Class 56 Rating, Add	1,498.01	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,014.39	565.73
			For Class 52 Rating, Deduct	-567.30	
			For Class 54 Rating, Add	783.87	
			For Class 55 Rating, Add	1,170.63	
			For Class 56 Rating, Add	1,552.24	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,202.92	569.24
		For Class 52 Rating, Deduct	-587.45	
		For Class 54 Rating, Add	811.41	
		For Class 55 Rating, Add	1,211.62	
		For Class 56 Rating, Add	1,606.48	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,391.44	572.76
		For Class 52 Rating, Deduct	-607.60	
		For Class 54 Rating, Add	838.96	
		For Class 55 Rating, Add	1,252.60	
		For Class 56 Rating, Add	1,660.71	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,579.96	576.27
		For Class 52 Rating, Deduct	-627.75	
		For Class 54 Rating, Add	866.50	
		For Class 55 Rating, Add	1,293.58	
		For Class 56 Rating, Add	1,714.95	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,768.48	579.78
		For Class 52 Rating, Deduct	-647.90	
		For Class 54 Rating, Add	894.05	
		For Class 55 Rating, Add	1,334.56	
		For Class 56 Rating, Add	1,769.18	
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,957.01	583.30
		For Class 52 Rating, Deduct	-668.06	
		For Class 54 Rating, Add	921.59	
		For Class 55 Rating, Add	1,375.54	
		For Class 56 Rating, Add	1,823.42	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,145.54	586.81
		For Class 52 Rating, Deduct	-688.21	
		For Class 54 Rating, Add	949.13	
		For Class 55 Rating, Add	1,416.52	
		For Class 56 Rating, Add	1,877.65	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,334.06	590.33
		For Class 52 Rating, Deduct	-708.36	
		For Class 54 Rating, Add	976.68	
		For Class 55 Rating, Add	1,457.50	
		For Class 56 Rating, Add	1,931.89	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,522.58	593.84
		For Class 52 Rating, Deduct	-728.51	
		For Class 54 Rating, Add	1,004.22	
		For Class 55 Rating, Add	1,498.49	
		For Class 56 Rating, Add	1,986.13	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,711.11	597.35
		For Class 52 Rating, Deduct	-748.66	
		For Class 54 Rating, Add	1,031.77	
		For Class 55 Rating, Add	1,539.47	
		For Class 56 Rating, Add	2,040.36	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,899.64	600.87
		For Class 52 Rating, Deduct	-768.82	
		For Class 54 Rating, Add	1,059.31	
		For Class 55 Rating, Add	1,580.45	
		For Class 56 Rating, Add	2,094.60	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,088.17	604.38
		For Class 52 Rating, Deduct	-788.97	
		For Class 54 Rating, Add	1,086.85	
		For Class 55 Rating, Add	1,621.43	
		For Class 56 Rating, Add	2,148.84	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,276.69	607.89
		For Class 52 Rating, Deduct	-809.12	
		For Class 54 Rating, Add	1,114.40	
		For Class 55 Rating, Add	1,662.41	
		For Class 56 Rating, Add	2,203.07	
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,465.22	611.41
		For Class 52 Rating, Deduct	-829.27	
		For Class 54 Rating, Add	1,141.94	
		For Class 55 Rating, Add	1,703.39	
		For Class 56 Rating, Add	2,257.31	
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,653.73	614.92
		For Class 52 Rating, Deduct	-849.42	
		For Class 54 Rating, Add	1,169.49	
		For Class 55 Rating, Add	1,744.38	
		For Class 56 Rating, Add	2,311.54	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,842.26	618.44
		For Class 52 Rating, Deduct	-869.58	
		For Class 54 Rating, Add	1,197.03	
		For Class 55 Rating, Add	1,785.36	
		For Class 56 Rating, Add	2,365.78	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0753	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,030.78	621.95
		For Class 52 Rating, Deduct	-889.73	
		For Class 54 Rating, Add	1,224.57	
		For Class 55 Rating, Add	1,826.34	
		For Class 56 Rating, Add	2,420.01	
40 05 19 00-0754	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,219.31	625.46
		For Class 52 Rating, Deduct	-909.88	
		For Class 54 Rating, Add	1,252.12	
		For Class 55 Rating, Add	1,867.32	
		For Class 56 Rating, Add	2,474.25	
40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)				
40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,851.92	590.33
		For Class 52 Rating, Deduct	-215.32	
		For Class 54 Rating, Add	304.36	
		For Class 55 Rating, Add	457.99	
		For Class 56 Rating, Add	609.66	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,080.59	593.84
		For Class 52 Rating, Deduct	-239.89	
		For Class 54 Rating, Add	337.92	
		For Class 55 Rating, Add	507.92	
		For Class 56 Rating, Add	675.74	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,309.27	597.35
		For Class 52 Rating, Deduct	-264.46	
		For Class 54 Rating, Add	371.49	
		For Class 55 Rating, Add	557.86	
		For Class 56 Rating, Add	741.82	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,537.95	600.87
		For Class 52 Rating, Deduct	-289.03	
		For Class 54 Rating, Add	405.06	
		For Class 55 Rating, Add	607.79	
		For Class 56 Rating, Add	807.90	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,766.64	604.38
		For Class 52 Rating, Deduct	-313.60	
		For Class 54 Rating, Add	438.63	
		For Class 55 Rating, Add	657.73	
		For Class 56 Rating, Add	873.98	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,995.31	607.89
		For Class 52 Rating, Deduct	-338.17	
		For Class 54 Rating, Add	472.19	
		For Class 55 Rating, Add	707.67	
		For Class 56 Rating, Add	940.06	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,223.99	611.41
		For Class 52 Rating, Deduct	-362.74	
		For Class 54 Rating, Add	505.76	
		For Class 55 Rating, Add	757.60	
		For Class 56 Rating, Add	1,006.14	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,452.66	614.92
		For Class 52 Rating, Deduct	-387.31	
		For Class 54 Rating, Add	539.33	
		For Class 55 Rating, Add	807.54	
		For Class 56 Rating, Add	1,072.23	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,681.34	618.44
		For Class 52 Rating, Deduct	-411.88	
		For Class 54 Rating, Add	572.89	
		For Class 55 Rating, Add	857.47	
		For Class 56 Rating, Add	1,138.31	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,910.02	621.95
		For Class 52 Rating, Deduct	-436.44	
		For Class 54 Rating, Add	606.46	
		For Class 55 Rating, Add	907.41	
		For Class 56 Rating, Add	1,204.39	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,138.70	625.46
		For Class 52 Rating, Deduct	-461.01	
		For Class 54 Rating, Add	640.03	
		For Class 55 Rating, Add	957.34	
		For Class 56 Rating, Add	1,270.47	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,367.39	628.98
		For Class 52 Rating, Deduct	-485.58	
		For Class 54 Rating, Add	673.59	
		For Class 55 Rating, Add	1,007.28	
		For Class 56 Rating, Add	1,336.55	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	5,596.06	632.49
		For Class 52 Rating, Deduct	-510.15	
		For Class 54 Rating, Add	707.16	
		For Class 55 Rating, Add	1,057.22	
		For Class 56 Rating, Add	1,402.63	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	5,824.74	636.00
		For Class 52 Rating, Deduct	-534.72	
		For Class 54 Rating, Add	740.73	
		For Class 55 Rating, Add	1,107.15	
		For Class 56 Rating, Add	1,468.72	
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,053.41	639.52
		For Class 52 Rating, Deduct	-559.29	
		For Class 54 Rating, Add	774.30	
		For Class 55 Rating, Add	1,157.09	
		For Class 56 Rating, Add	1,534.80	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,282.09	643.03
		For Class 52 Rating, Deduct	-583.86	
		For Class 54 Rating, Add	807.86	
		For Class 55 Rating, Add	1,207.02	
		For Class 56 Rating, Add	1,600.88	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,510.77	646.55
		For Class 52 Rating, Deduct	-608.43	
		For Class 54 Rating, Add	841.43	
		For Class 55 Rating, Add	1,256.96	
		For Class 56 Rating, Add	1,666.96	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,739.45	650.06
		For Class 52 Rating, Deduct	-633.00	
		For Class 54 Rating, Add	875.00	
		For Class 55 Rating, Add	1,306.89	
		For Class 56 Rating, Add	1,733.04	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	6,968.13	653.57
		For Class 52 Rating, Deduct	-657.57	
		For Class 54 Rating, Add	908.56	
		For Class 55 Rating, Add	1,356.83	
		For Class 56 Rating, Add	1,799.12	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	7,196.80	657.09
		For Class 52 Rating, Deduct	-682.13	
		For Class 54 Rating, Add	942.13	
		For Class 55 Rating, Add	1,406.77	
		For Class 56 Rating, Add	1,865.20	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	7,425.49	660.60
		For Class 52 Rating, Deduct	-706.70	
		For Class 54 Rating, Add	975.70	
		For Class 55 Rating, Add	1,456.70	
		For Class 56 Rating, Add	1,931.28	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	7,654.16	664.11
		For Class 52 Rating, Deduct	-731.27	
		For Class 54 Rating, Add	1,009.26	
		For Class 55 Rating, Add	1,506.64	
		For Class 56 Rating, Add	1,997.36	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	7,882.84	667.63
		For Class 52 Rating, Deduct	-755.84	
		For Class 54 Rating, Add	1,042.83	
		For Class 55 Rating, Add	1,556.57	
		For Class 56 Rating, Add	2,063.44	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	8,111.52	671.14
		For Class 52 Rating, Deduct	-780.41	
		For Class 54 Rating, Add	1,076.40	
		For Class 55 Rating, Add	1,606.51	
		For Class 56 Rating, Add	2,129.53	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	8,340.19	674.66
		For Class 52 Rating, Deduct	-804.98	
		For Class 54 Rating, Add	1,109.96	
		For Class 55 Rating, Add	1,656.44	
		For Class 56 Rating, Add	2,195.61	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	8,568.88	678.17
		For Class 52 Rating, Deduct	-829.55	
		For Class 54 Rating, Add	1,143.53	
		For Class 55 Rating, Add	1,706.38	
		For Class 56 Rating, Add	2,261.69	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	8,797.55	681.68
		For Class 52 Rating, Deduct	-854.12	
		For Class 54 Rating, Add	1,177.10	
		For Class 55 Rating, Add	1,756.32	
		For Class 56 Rating, Add	2,327.77	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,026.24	685.20
		For Class 52 Rating, Deduct	-878.69	
		For Class 54 Rating, Add	1,210.67	
		For Class 55 Rating, Add	1,806.25	
		For Class 56 Rating, Add	2,393.85	
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,254.91	688.71
		For Class 52 Rating, Deduct	-903.26	
		For Class 54 Rating, Add	1,244.23	
		For Class 55 Rating, Add	1,856.19	
		For Class 56 Rating, Add	2,459.93	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,483.60	692.22
		For Class 52 Rating, Deduct	-927.82	
		For Class 54 Rating, Add	1,277.80	
		For Class 55 Rating, Add	1,906.13	
		For Class 56 Rating, Add	2,526.02	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,712.26	695.74
		For Class 52 Rating, Deduct	-952.39	
		For Class 54 Rating, Add	1,311.37	
		For Class 55 Rating, Add	1,956.06	
		For Class 56 Rating, Add	2,592.09	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,940.94	699.25
		For Class 52 Rating, Deduct	-976.96	
		For Class 54 Rating, Add	1,344.93	
		For Class 55 Rating, Add	2,006.00	
		For Class 56 Rating, Add	2,658.17	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,169.63	702.77
		For Class 52 Rating, Deduct	-1,001.53	
		For Class 54 Rating, Add	1,378.50	
		For Class 55 Rating, Add	2,055.93	
		For Class 56 Rating, Add	2,724.26	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,398.30	706.28
		For Class 52 Rating, Deduct	-1,026.10	
		For Class 54 Rating, Add	1,412.07	
		For Class 55 Rating, Add	2,105.87	
		For Class 56 Rating, Add	2,790.34	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,626.99	709.79
		For Class 52 Rating, Deduct	-1,050.67	
		For Class 54 Rating, Add	1,445.64	
		For Class 55 Rating, Add	2,155.80	
		For Class 56 Rating, Add	2,856.42	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,855.65	713.31
		For Class 52 Rating, Deduct	-1,075.24	
		For Class 54 Rating, Add	1,479.20	
		For Class 55 Rating, Add	2,205.74	
		For Class 56 Rating, Add	2,922.50	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,084.34	716.82
		For Class 52 Rating, Deduct	-1,099.81	
		For Class 54 Rating, Add	1,512.77	
		For Class 55 Rating, Add	2,255.68	
		For Class 56 Rating, Add	2,988.58	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,313.01	720.33
		For Class 52 Rating, Deduct	-1,124.38	
		For Class 54 Rating, Add	1,546.34	
		For Class 55 Rating, Add	2,305.61	
		For Class 56 Rating, Add	3,054.66	
40 05 19 00-0794		16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,338.56	674.66
		For Class 52 Rating, Deduct	-254.80	
		For Class 54 Rating, Add	359.72	
		For Class 55 Rating, Add	541.08	
		For Class 56 Rating, Add	720.13	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,604.89	678.17
		For Class 52 Rating, Deduct	-283.51	
		For Class 54 Rating, Add	398.93	
		For Class 55 Rating, Add	599.41	
		For Class 56 Rating, Add	797.31	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,871.21	681.68
		For Class 52 Rating, Deduct	-312.22	
		For Class 54 Rating, Add	438.15	
		For Class 55 Rating, Add	657.74	
		For Class 56 Rating, Add	874.50	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,137.54	685.20
		For Class 52 Rating, Deduct	-340.93	
		For Class 54 Rating, Add	477.36	
		For Class 55 Rating, Add	716.07	
		For Class 56 Rating, Add	951.69	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,403.85	688.71
		For Class 52 Rating, Deduct	-369.64	
		For Class 54 Rating, Add	516.57	
		For Class 55 Rating, Add	774.40	
		For Class 56 Rating, Add	1,028.87	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,670.18	692.22
		For Class 52 Rating, Deduct	-398.35	
		For Class 54 Rating, Add	555.79	
		For Class 55 Rating, Add	832.73	
		For Class 56 Rating, Add	1,106.06	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,936.49	695.74
		For Class 52 Rating, Deduct	-427.06	
		For Class 54 Rating, Add	595.00	
		For Class 55 Rating, Add	891.06	
		For Class 56 Rating, Add	1,183.24	
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,202.82	699.25
		For Class 52 Rating, Deduct	-455.77	
		For Class 54 Rating, Add	634.22	
		For Class 55 Rating, Add	949.39	
		For Class 56 Rating, Add	1,260.43	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,469.15	702.77
		For Class 52 Rating, Deduct	-484.48	
		For Class 54 Rating, Add	673.43	
		For Class 55 Rating, Add	1,007.73	
		For Class 56 Rating, Add	1,337.62	
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,710.37	706.28
		For Class 52 Rating, Deduct	-510.43	
		For Class 54 Rating, Add	708.88	
		For Class 55 Rating, Add	1,060.46	
		For Class 56 Rating, Add	1,407.40	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,001.79	709.79
		For Class 52 Rating, Deduct	-541.90	
		For Class 54 Rating, Add	751.86	
		For Class 55 Rating, Add	1,124.38	
		For Class 56 Rating, Add	1,491.99	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,268.10	713.31
		For Class 52 Rating, Deduct	-570.61	
		For Class 54 Rating, Add	791.07	
		For Class 55 Rating, Add	1,182.72	
		For Class 56 Rating, Add	1,569.17	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,534.43	716.82
		For Class 52 Rating, Deduct	-599.32	
		For Class 54 Rating, Add	830.28	
		For Class 55 Rating, Add	1,241.05	
		For Class 56 Rating, Add	1,646.36	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,800.75	720.33
		For Class 52 Rating, Deduct	-628.03	
		For Class 54 Rating, Add	869.50	
		For Class 55 Rating, Add	1,299.38	
		For Class 56 Rating, Add	1,723.55	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,067.08	723.85
		For Class 52 Rating, Deduct	-656.74	
		For Class 54 Rating, Add	908.71	
		For Class 55 Rating, Add	1,357.71	
		For Class 56 Rating, Add	1,800.73	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,333.41	727.36
		For Class 52 Rating, Deduct	-685.45	
		For Class 54 Rating, Add	947.93	
		For Class 55 Rating, Add	1,416.04	
		For Class 56 Rating, Add	1,877.92	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,599.73	730.88
		For Class 52 Rating, Deduct	-714.16	
		For Class 54 Rating, Add	987.14	
		For Class 55 Rating, Add	1,474.37	
		For Class 56 Rating, Add	1,955.11	
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,866.04	734.39
		For Class 52 Rating, Deduct	-742.87	
		For Class 54 Rating, Add	1,026.35	
		For Class 55 Rating, Add	1,532.70	
		For Class 56 Rating, Add	2,032.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,132.36	737.90
			For Class 52 Rating, Deduct	-771.58	
			For Class 54 Rating, Add	1,065.57	
			For Class 55 Rating, Add	1,591.03	
			For Class 56 Rating, Add	2,109.48	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,398.69	741.42
			For Class 52 Rating, Deduct	-800.29	
			For Class 54 Rating, Add	1,104.78	
			For Class 55 Rating, Add	1,649.36	
			For Class 56 Rating, Add	2,186.66	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,665.01	744.93
			For Class 52 Rating, Deduct	-829.00	
			For Class 54 Rating, Add	1,143.99	
			For Class 55 Rating, Add	1,707.69	
			For Class 56 Rating, Add	2,263.85	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,931.34	748.45
			For Class 52 Rating, Deduct	-857.71	
			For Class 54 Rating, Add	1,183.21	
			For Class 55 Rating, Add	1,766.02	
			For Class 56 Rating, Add	2,341.04	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,197.67	751.96
			For Class 52 Rating, Deduct	-886.42	
			For Class 54 Rating, Add	1,222.42	
			For Class 55 Rating, Add	1,824.35	
			For Class 56 Rating, Add	2,418.22	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,463.97	755.47
			For Class 52 Rating, Deduct	-915.13	
			For Class 54 Rating, Add	1,261.63	
			For Class 55 Rating, Add	1,882.68	
			For Class 56 Rating, Add	2,495.41	
40 05 19 00-0819	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,730.30	758.99
			For Class 52 Rating, Deduct	-943.84	
			For Class 54 Rating, Add	1,300.85	
			For Class 55 Rating, Add	1,941.01	
			For Class 56 Rating, Add	2,572.59	
40 05 19 00-0820	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,996.62	762.50
			For Class 52 Rating, Deduct	-972.55	
			For Class 54 Rating, Add	1,340.06	
			For Class 55 Rating, Add	1,999.34	
			For Class 56 Rating, Add	2,649.78	
40 05 19 00-0821	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,262.95	766.01
			For Class 52 Rating, Deduct	-1,001.26	
			For Class 54 Rating, Add	1,379.28	
			For Class 55 Rating, Add	2,057.67	
			For Class 56 Rating, Add	2,726.97	
40 05 19 00-0822	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,529.27	769.53
			For Class 52 Rating, Deduct	-1,029.97	
			For Class 54 Rating, Add	1,418.49	
			For Class 55 Rating, Add	2,116.00	
			For Class 56 Rating, Add	2,804.15	
40 05 19 00-0823	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,795.60	773.04
			For Class 52 Rating, Deduct	-1,058.68	
			For Class 54 Rating, Add	1,457.70	
			For Class 55 Rating, Add	2,174.33	
			For Class 56 Rating, Add	2,881.34	
40 05 19 00-0824	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,061.91	776.56
			For Class 52 Rating, Deduct	-1,087.38	
			For Class 54 Rating, Add	1,496.92	
			For Class 55 Rating, Add	2,232.66	
			For Class 56 Rating, Add	2,958.52	
40 05 19 00-0825	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,328.23	780.07
			For Class 52 Rating, Deduct	-1,116.09	
			For Class 54 Rating, Add	1,536.13	
			For Class 55 Rating, Add	2,290.99	
			For Class 56 Rating, Add	3,035.71	
40 05 19 00-0826	EA		16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,594.56	783.58
			For Class 52 Rating, Deduct	-1,144.80	
			For Class 54 Rating, Add	1,575.34	
			For Class 55 Rating, Add	2,349.32	
			For Class 56 Rating, Add	3,112.90	
40 05 19 00-0827	EA		16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,860.88	787.10
			For Class 52 Rating, Deduct	-1,173.51	
			For Class 54 Rating, Add	1,614.56	
			For Class 55 Rating, Add	2,407.65	
			For Class 56 Rating, Add	3,190.08	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,127.21	790.61
		For Class 52 Rating, Deduct	-1,202.22	
		For Class 54 Rating, Add	1,653.77	
		For Class 55 Rating, Add	2,465.99	
		For Class 56 Rating, Add	3,267.27	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,393.52	794.12
		For Class 52 Rating, Deduct	-1,230.93	
		For Class 54 Rating, Add	1,692.99	
		For Class 55 Rating, Add	2,524.32	
		For Class 56 Rating, Add	3,344.46	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,659.84	797.64
		For Class 52 Rating, Deduct	-1,259.64	
		For Class 54 Rating, Add	1,732.20	
		For Class 55 Rating, Add	2,582.64	
		For Class 56 Rating, Add	3,421.64	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,926.17	801.15
		For Class 52 Rating, Deduct	-1,288.35	
		For Class 54 Rating, Add	1,771.41	
		For Class 55 Rating, Add	2,640.98	
		For Class 56 Rating, Add	3,498.83	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,192.49	804.67
		For Class 52 Rating, Deduct	-1,317.06	
		For Class 54 Rating, Add	1,810.63	
		For Class 55 Rating, Add	2,699.31	
		For Class 56 Rating, Add	3,576.01	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,900.12	760.40
		For Class 52 Rating, Deduct	-302.28	
		For Class 54 Rating, Add	426.03	
		For Class 55 Rating, Add	640.46	
		For Class 56 Rating, Add	852.14	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,206.60	763.91
		For Class 52 Rating, Deduct	-335.41	
		For Class 54 Rating, Add	471.26	
		For Class 55 Rating, Add	707.74	
		For Class 56 Rating, Add	941.17	
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,513.08	767.43
		For Class 52 Rating, Deduct	-368.54	
		For Class 54 Rating, Add	516.50	
		For Class 55 Rating, Add	775.03	
		For Class 56 Rating, Add	1,030.20	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,819.55	770.94
		For Class 52 Rating, Deduct	-401.66	
		For Class 54 Rating, Add	561.74	
		For Class 55 Rating, Add	842.31	
		For Class 56 Rating, Add	1,119.23	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,126.02	774.46
		For Class 52 Rating, Deduct	-434.79	
		For Class 54 Rating, Add	606.97	
		For Class 55 Rating, Add	909.60	
		For Class 56 Rating, Add	1,208.27	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,432.50	777.97
		For Class 52 Rating, Deduct	-467.91	
		For Class 54 Rating, Add	652.21	
		For Class 55 Rating, Add	976.88	
		For Class 56 Rating, Add	1,297.30	
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,738.97	781.48
		For Class 52 Rating, Deduct	-501.04	
		For Class 54 Rating, Add	697.45	
		For Class 55 Rating, Add	1,044.16	
		For Class 56 Rating, Add	1,386.33	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,045.46	785.00
		For Class 52 Rating, Deduct	-534.17	
		For Class 54 Rating, Add	742.68	
		For Class 55 Rating, Add	1,111.45	
		For Class 56 Rating, Add	1,475.36	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,351.94	788.51
		For Class 52 Rating, Deduct	-567.30	
		For Class 54 Rating, Add	787.92	
		For Class 55 Rating, Add	1,178.74	
		For Class 56 Rating, Add	1,564.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,658.40	792.02
			For Class 52 Rating, Deduct	-600.42	
			For Class 54 Rating, Add	833.16	
			For Class 55 Rating, Add	1,246.02	
			For Class 56 Rating, Add	1,653.42	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,964.88	795.54
			For Class 52 Rating, Deduct	-633.55	
			For Class 54 Rating, Add	878.39	
			For Class 55 Rating, Add	1,313.30	
			For Class 56 Rating, Add	1,742.45	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,271.35	799.05
			For Class 52 Rating, Deduct	-666.67	
			For Class 54 Rating, Add	923.63	
			For Class 55 Rating, Add	1,380.59	
			For Class 56 Rating, Add	1,831.48	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,577.84	802.57
			For Class 52 Rating, Deduct	-699.80	
			For Class 54 Rating, Add	968.87	
			For Class 55 Rating, Add	1,447.87	
			For Class 56 Rating, Add	1,920.52	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,884.31	806.08
			For Class 52 Rating, Deduct	-732.93	
			For Class 54 Rating, Add	1,014.10	
			For Class 55 Rating, Add	1,515.16	
			For Class 56 Rating, Add	2,009.55	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,190.79	809.59
			For Class 52 Rating, Deduct	-766.06	
			For Class 54 Rating, Add	1,059.34	
			For Class 55 Rating, Add	1,582.44	
			For Class 56 Rating, Add	2,098.58	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,497.26	813.11
			For Class 52 Rating, Deduct	-799.18	
			For Class 54 Rating, Add	1,104.58	
			For Class 55 Rating, Add	1,649.73	
			For Class 56 Rating, Add	2,187.61	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,803.73	816.62
			For Class 52 Rating, Deduct	-832.31	
			For Class 54 Rating, Add	1,149.81	
			For Class 55 Rating, Add	1,717.01	
			For Class 56 Rating, Add	2,276.64	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,110.22	820.13
			For Class 52 Rating, Deduct	-865.44	
			For Class 54 Rating, Add	1,195.05	
			For Class 55 Rating, Add	1,784.30	
			For Class 56 Rating, Add	2,365.68	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,416.69	823.65
			For Class 52 Rating, Deduct	-898.56	
			For Class 54 Rating, Add	1,240.29	
			For Class 55 Rating, Add	1,651.58	
			For Class 56 Rating, Add	2,454.71	
40 05 19 00-0853	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,723.17	827.16
			For Class 52 Rating, Deduct	-931.69	
			For Class 54 Rating, Add	1,285.52	
			For Class 55 Rating, Add	1,918.87	
			For Class 56 Rating, Add	2,543.74	
40 05 19 00-0854	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,029.63	830.68
			For Class 52 Rating, Deduct	-964.82	
			For Class 54 Rating, Add	1,330.76	
			For Class 55 Rating, Add	1,986.15	
			For Class 56 Rating, Add	2,632.77	
40 05 19 00-0855	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,336.11	834.19
			For Class 52 Rating, Deduct	-997.94	
			For Class 54 Rating, Add	1,376.00	
			For Class 55 Rating, Add	2,053.43	
			For Class 56 Rating, Add	2,721.80	
40 05 19 00-0856	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,642.60	837.70
			For Class 52 Rating, Deduct	-1,031.07	
			For Class 54 Rating, Add	1,421.23	
			For Class 55 Rating, Add	2,120.72	
			For Class 56 Rating, Add	2,810.83	
40 05 19 00-0857	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,949.07	841.22
			For Class 52 Rating, Deduct	-1,064.20	
			For Class 54 Rating, Add	1,466.47	
			For Class 55 Rating, Add	2,188.01	
			For Class 56 Rating, Add	2,899.86	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,255.55	844.73
		For Class 52 Rating, Deduct	-1,097.32	
		For Class 54 Rating, Add	1,511.71	
		For Class 55 Rating, Add	2,255.29	
		For Class 56 Rating, Add	2,988.90	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,562.02	848.25
		For Class 52 Rating, Deduct	-1,130.45	
		For Class 54 Rating, Add	1,556.94	
		For Class 55 Rating, Add	2,322.57	
		For Class 56 Rating, Add	3,077.93	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,868.49	851.76
		For Class 52 Rating, Deduct	-1,163.58	
		For Class 54 Rating, Add	1,602.18	
		For Class 55 Rating, Add	2,389.86	
		For Class 56 Rating, Add	3,166.96	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,174.97	855.27
		For Class 52 Rating, Deduct	-1,196.70	
		For Class 54 Rating, Add	1,647.42	
		For Class 55 Rating, Add	2,457.14	
		For Class 56 Rating, Add	3,255.99	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,481.45	858.79
		For Class 52 Rating, Deduct	-1,229.83	
		For Class 54 Rating, Add	1,692.65	
		For Class 55 Rating, Add	2,524.43	
		For Class 56 Rating, Add	3,345.02	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,787.93	862.30
		For Class 52 Rating, Deduct	-1,262.96	
		For Class 54 Rating, Add	1,737.89	
		For Class 55 Rating, Add	2,591.71	
		For Class 56 Rating, Add	3,434.05	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,094.40	865.81
		For Class 52 Rating, Deduct	-1,296.08	
		For Class 54 Rating, Add	1,783.13	
		For Class 55 Rating, Add	2,659.00	
		For Class 56 Rating, Add	3,523.08	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,400.88	869.33
		For Class 52 Rating, Deduct	-1,329.21	
		For Class 54 Rating, Add	1,828.36	
		For Class 55 Rating, Add	2,726.28	
		For Class 56 Rating, Add	3,612.12	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,707.35	872.84
		For Class 52 Rating, Deduct	-1,362.34	
		For Class 54 Rating, Add	1,873.60	
		For Class 55 Rating, Add	2,793.57	
		For Class 56 Rating, Add	3,701.15	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,013.83	876.36
		For Class 52 Rating, Deduct	-1,395.46	
		For Class 54 Rating, Add	1,918.84	
		For Class 55 Rating, Add	2,860.85	
		For Class 56 Rating, Add	3,790.18	
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,320.30	879.87
		For Class 52 Rating, Deduct	-1,428.59	
		For Class 54 Rating, Add	1,964.07	
		For Class 55 Rating, Add	2,928.14	
		For Class 56 Rating, Add	3,879.21	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,626.78	883.38
		For Class 52 Rating, Deduct	-1,461.72	
		For Class 54 Rating, Add	2,009.31	
		For Class 55 Rating, Add	2,995.42	
		For Class 56 Rating, Add	3,968.24	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,933.26	886.90
		For Class 52 Rating, Deduct	-1,494.84	
		For Class 54 Rating, Add	2,054.55	
		For Class 55 Rating, Add	3,062.70	
		For Class 56 Rating, Add	4,057.27	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,239.73	890.41
		For Class 52 Rating, Deduct	-1,527.97	
		For Class 54 Rating, Add	2,099.79	
		For Class 55 Rating, Add	3,129.99	
		For Class 56 Rating, Add	4,146.31	

 40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined,
 Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,524.80	867.91
			For Class 52 Rating, Deduct	-353.08	
			For Class 54 Rating, Add	497.25	
			For Class 55 Rating, Add	747.34	
			For Class 56 Rating, Add	994.23	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,876.45	871.43
			For Class 52 Rating, Deduct	-391.17	
			For Class 54 Rating, Add	549.26	
			For Class 55 Rating, Add	824.70	
			For Class 56 Rating, Add	1,096.58	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,228.10	874.94
			For Class 52 Rating, Deduct	-429.27	
			For Class 54 Rating, Add	601.27	
			For Class 55 Rating, Add	902.06	
			For Class 56 Rating, Add	1,198.94	
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,579.74	878.45
			For Class 52 Rating, Deduct	-467.36	
			For Class 54 Rating, Add	653.28	
			For Class 55 Rating, Add	979.42	
			For Class 56 Rating, Add	1,301.30	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,931.40	881.97
			For Class 52 Rating, Deduct	-505.46	
			For Class 54 Rating, Add	705.30	
			For Class 55 Rating, Add	1,056.77	
			For Class 56 Rating, Add	1,403.66	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,283.04	885.48
			For Class 52 Rating, Deduct	-543.55	
			For Class 54 Rating, Add	757.31	
			For Class 55 Rating, Add	1,134.13	
			For Class 56 Rating, Add	1,506.01	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,634.70	889.00
			For Class 52 Rating, Deduct	-581.65	
			For Class 54 Rating, Add	809.32	
			For Class 55 Rating, Add	1,211.49	
			For Class 56 Rating, Add	1,608.37	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,986.34	892.51
			For Class 52 Rating, Deduct	-619.75	
			For Class 54 Rating, Add	861.33	
			For Class 55 Rating, Add	1,288.85	
			For Class 56 Rating, Add	1,710.73	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,337.99	896.02
			For Class 52 Rating, Deduct	-657.84	
			For Class 54 Rating, Add	913.35	
			For Class 55 Rating, Add	1,366.21	
			For Class 56 Rating, Add	1,813.09	
40 05 19 00-0882	EA		20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,689.64	899.54
			For Class 52 Rating, Deduct	-695.94	
			For Class 54 Rating, Add	965.36	
			For Class 55 Rating, Add	1,443.56	
			For Class 56 Rating, Add	1,915.44	
40 05 19 00-0883	EA		20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,041.29	903.05
			For Class 52 Rating, Deduct	-734.03	
			For Class 54 Rating, Add	1,017.37	
			For Class 55 Rating, Add	1,520.92	
			For Class 56 Rating, Add	2,017.80	
40 05 19 00-0884	EA		20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,392.94	906.57
			For Class 52 Rating, Deduct	-772.13	
			For Class 54 Rating, Add	1,069.39	
			For Class 55 Rating, Add	1,598.28	
			For Class 56 Rating, Add	2,120.16	
40 05 19 00-0885	EA		20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,744.59	910.08
			For Class 52 Rating, Deduct	-810.22	
			For Class 54 Rating, Add	1,121.40	
			For Class 55 Rating, Add	1,675.64	
			For Class 56 Rating, Add	2,222.52	
40 05 19 00-0886	EA		20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,096.24	913.59
			For Class 52 Rating, Deduct	-848.32	
			For Class 54 Rating, Add	1,173.41	
			For Class 55 Rating, Add	1,753.00	
			For Class 56 Rating, Add	2,324.87	
40 05 19 00-0887	EA		20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,447.88	917.11
			For Class 52 Rating, Deduct	-886.42	
			For Class 54 Rating, Add	1,225.42	
			For Class 55 Rating, Add	1,830.36	
			For Class 56 Rating, Add	2,427.23	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	9,799.53	920.62
		For Class 52 Rating, Deduct	-924.51	
		For Class 54 Rating, Add	1,277.44	
		For Class 55 Rating, Add	1,907.71	
		For Class 56 Rating, Add	2,529.59	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	10,151.19	924.13
		For Class 52 Rating, Deduct	-962.61	
		For Class 54 Rating, Add	1,329.45	
		For Class 55 Rating, Add	1,985.07	
		For Class 56 Rating, Add	2,631.95	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	10,502.83	927.65
		For Class 52 Rating, Deduct	-1,000.70	
		For Class 54 Rating, Add	1,381.46	
		For Class 55 Rating, Add	2,062.43	
		For Class 56 Rating, Add	2,734.30	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	10,854.48	931.16
		For Class 52 Rating, Deduct	-1,038.80	
		For Class 54 Rating, Add	1,433.47	
		For Class 55 Rating, Add	2,139.79	
		For Class 56 Rating, Add	2,836.66	
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	11,206.12	934.68
		For Class 52 Rating, Deduct	-1,076.89	
		For Class 54 Rating, Add	1,485.49	
		For Class 55 Rating, Add	2,217.15	
		For Class 56 Rating, Add	2,939.02	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	11,557.77	938.19
		For Class 52 Rating, Deduct	-1,114.99	
		For Class 54 Rating, Add	1,537.50	
		For Class 55 Rating, Add	2,294.50	
		For Class 56 Rating, Add	3,041.37	
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	11,909.42	941.70
		For Class 52 Rating, Deduct	-1,153.09	
		For Class 54 Rating, Add	1,589.51	
		For Class 55 Rating, Add	2,371.86	
		For Class 56 Rating, Add	3,143.73	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	12,261.07	945.22
		For Class 52 Rating, Deduct	-1,191.18	
		For Class 54 Rating, Add	1,641.52	
		For Class 55 Rating, Add	2,449.22	
		For Class 56 Rating, Add	3,246.09	
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	12,612.73	948.73
		For Class 52 Rating, Deduct	-1,229.28	
		For Class 54 Rating, Add	1,693.54	
		For Class 55 Rating, Add	2,526.58	
		For Class 56 Rating, Add	3,348.45	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	12,964.37	952.24
		For Class 52 Rating, Deduct	-1,267.37	
		For Class 54 Rating, Add	1,745.55	
		For Class 55 Rating, Add	2,603.94	
		For Class 56 Rating, Add	3,450.80	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	13,316.02	955.76
		For Class 52 Rating, Deduct	-1,305.47	
		For Class 54 Rating, Add	1,797.56	
		For Class 55 Rating, Add	2,681.30	
		For Class 56 Rating, Add	3,553.16	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	13,667.66	959.27
		For Class 52 Rating, Deduct	-1,343.56	
		For Class 54 Rating, Add	1,849.57	
		For Class 55 Rating, Add	2,758.65	
		For Class 56 Rating, Add	3,655.52	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	14,019.32	962.79
		For Class 52 Rating, Deduct	-1,381.66	
		For Class 54 Rating, Add	1,901.59	
		For Class 55 Rating, Add	2,836.01	
		For Class 56 Rating, Add	3,757.88	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	14,370.97	966.30
		For Class 52 Rating, Deduct	-1,419.76	
		For Class 54 Rating, Add	1,953.60	
		For Class 55 Rating, Add	2,913.37	
		For Class 56 Rating, Add	3,860.23	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	14,722.62	969.81
		For Class 52 Rating, Deduct	-1,457.85	
		For Class 54 Rating, Add	2,005.61	
		For Class 55 Rating, Add	2,990.73	
		For Class 56 Rating, Add	3,962.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0903	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,074.27	973.33
			For Class 52 Rating, Deduct	-1,495.95	
			For Class 54 Rating, Add	2,057.63	
			For Class 55 Rating, Add	3,068.09	
			For Class 56 Rating, Add	4,064.95	
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,425.91	976.84
			For Class 52 Rating, Deduct	-1,534.04	
			For Class 54 Rating, Add	2,109.64	
			For Class 55 Rating, Add	3,145.45	
			For Class 56 Rating, Add	4,167.31	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,777.56	980.35
			For Class 52 Rating, Deduct	-1,572.14	
			For Class 54 Rating, Add	2,161.65	
			For Class 55 Rating, Add	3,222.80	
			For Class 56 Rating, Add	4,269.66	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,129.21	983.87
			For Class 52 Rating, Deduct	-1,610.24	
			For Class 54 Rating, Add	2,213.66	
			For Class 55 Rating, Add	3,300.16	
			For Class 56 Rating, Add	4,372.02	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,480.86	987.38
			For Class 52 Rating, Deduct	-1,648.33	
			For Class 54 Rating, Add	2,265.68	
			For Class 55 Rating, Add	3,377.52	
			For Class 56 Rating, Add	4,474.38	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,832.52	990.90
			For Class 52 Rating, Deduct	-1,686.43	
			For Class 54 Rating, Add	2,317.69	
			For Class 55 Rating, Add	3,454.88	
			For Class 56 Rating, Add	4,576.74	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	17,184.16	994.41
			For Class 52 Rating, Deduct	-1,724.52	
			For Class 54 Rating, Add	2,369.70	
			For Class 55 Rating, Add	3,532.24	
			For Class 56 Rating, Add	4,679.09	
40 05 19 00-0910	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	17,535.81	997.92
			For Class 52 Rating, Deduct	-1,762.62	
			For Class 54 Rating, Add	2,421.71	
			For Class 55 Rating, Add	3,609.60	
			For Class 56 Rating, Add	4,781.45	
40 05 19 00-0911			24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0912	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,610.11	1,026.03
			For Class 52 Rating, Deduct	-446.11	
			For Class 54 Rating, Add	626.98	
			For Class 55 Rating, Add	941.69	
			For Class 56 Rating, Add	1,252.34	
40 05 19 00-0913	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,044.59	1,029.55
			For Class 52 Rating, Deduct	-493.31	
			For Class 54 Rating, Add	691.42	
			For Class 55 Rating, Add	1,037.52	
			For Class 56 Rating, Add	1,379.13	
40 05 19 00-0914	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,479.05	1,033.06
			For Class 52 Rating, Deduct	-540.52	
			For Class 54 Rating, Add	755.85	
			For Class 55 Rating, Add	1,133.34	
			For Class 56 Rating, Add	1,505.92	
40 05 19 00-0915	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,913.51	1,036.58
			For Class 52 Rating, Deduct	-587.72	
			For Class 54 Rating, Add	820.29	
			For Class 55 Rating, Add	1,229.17	
			For Class 56 Rating, Add	1,632.71	
40 05 19 00-0916	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,347.98	1,040.09
			For Class 52 Rating, Deduct	-634.93	
			For Class 54 Rating, Add	884.72	
			For Class 55 Rating, Add	1,325.00	
			For Class 56 Rating, Add	1,759.50	
40 05 19 00-0917	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,782.44	1,043.60
			For Class 52 Rating, Deduct	-682.13	
			For Class 54 Rating, Add	949.16	
			For Class 55 Rating, Add	1,420.82	
			For Class 56 Rating, Add	1,886.28	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	8,216.91	1,047.12
		Pipe		
		For Class 52 Rating, Deduct	-729.34	
		For Class 54 Rating, Add	1,013.59	
		For Class 55 Rating, Add	1,516.65	
		For Class 56 Rating, Add	2,013.07	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	8,651.37	1,050.63
		Pipe		
		For Class 52 Rating, Deduct	-776.55	
		For Class 54 Rating, Add	1,078.03	
		For Class 55 Rating, Add	1,612.47	
		For Class 56 Rating, Add	2,139.86	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,085.85	1,054.14
		Pipe		
		For Class 52 Rating, Deduct	-823.75	
		For Class 54 Rating, Add	1,142.46	
		For Class 55 Rating, Add	1,708.30	
		For Class 56 Rating, Add	2,266.65	
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,520.30	1,057.66
		Pipe		
		For Class 52 Rating, Deduct	-870.96	
		For Class 54 Rating, Add	1,206.90	
		For Class 55 Rating, Add	1,804.13	
		For Class 56 Rating, Add	2,393.44	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	9,954.77	1,061.17
		Pipe		
		For Class 52 Rating, Deduct	-918.16	
		For Class 54 Rating, Add	1,271.33	
		For Class 55 Rating, Add	1,899.95	
		For Class 56 Rating, Add	2,520.23	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,389.24	1,064.69
		Pipe		
		For Class 52 Rating, Deduct	-965.37	
		For Class 54 Rating, Add	1,335.77	
		For Class 55 Rating, Add	1,995.78	
		For Class 56 Rating, Add	2,647.01	
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	10,823.70	1,068.20
		Pipe		
		For Class 52 Rating, Deduct	-1,012.57	
		For Class 54 Rating, Add	1,400.20	
		For Class 55 Rating, Add	2,091.61	
		For Class 56 Rating, Add	2,773.80	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,258.17	1,071.71
		Pipe		
		For Class 52 Rating, Deduct	-1,059.78	
		For Class 54 Rating, Add	1,464.64	
		For Class 55 Rating, Add	2,187.43	
		For Class 56 Rating, Add	2,900.59	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	11,692.63	1,075.23
		Pipe		
		For Class 52 Rating, Deduct	-1,106.99	
		For Class 54 Rating, Add	1,529.07	
		For Class 55 Rating, Add	2,283.26	
		For Class 56 Rating, Add	3,027.38	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	12,127.10	1,078.74
		Pipe		
		For Class 52 Rating, Deduct	-1,154.19	
		For Class 54 Rating, Add	1,593.51	
		For Class 55 Rating, Add	2,379.09	
		For Class 56 Rating, Add	3,154.17	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	12,561.56	1,082.25
		Pipe		
		For Class 52 Rating, Deduct	-1,201.40	
		For Class 54 Rating, Add	1,657.94	
		For Class 55 Rating, Add	2,474.91	
		For Class 56 Rating, Add	3,280.96	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	12,996.03	1,085.77
		Pipe		
		For Class 52 Rating, Deduct	-1,248.60	
		For Class 54 Rating, Add	1,722.38	
		For Class 55 Rating, Add	2,570.74	
		For Class 56 Rating, Add	3,407.75	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	13,430.50	1,089.28
		Pipe		
		For Class 52 Rating, Deduct	-1,295.81	
		For Class 54 Rating, Add	1,786.81	
		For Class 55 Rating, Add	2,666.56	
		For Class 56 Rating, Add	3,534.53	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	13,864.96	1,092.80
		Pipe		
		For Class 52 Rating, Deduct	-1,343.01	
		For Class 54 Rating, Add	1,851.25	
		For Class 55 Rating, Add	2,762.39	
		For Class 56 Rating, Add	3,661.32	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	14,299.43	1,096.31
		Pipe		
		For Class 52 Rating, Deduct	-1,390.22	
		For Class 54 Rating, Add	1,915.69	
		For Class 55 Rating, Add	2,858.22	
		For Class 56 Rating, Add	3,788.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0933	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	14,733.89	1,099.82
			For Class 52 Rating, Deduct	-1,437.42	
			For Class 54 Rating, Add	1,980.12	
			For Class 55 Rating, Add	2,954.04	
			For Class 56 Rating, Add	3,914.90	
40 05 19 00-0934	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,168.36	1,103.34
			For Class 52 Rating, Deduct	-1,484.63	
			For Class 54 Rating, Add	2,044.56	
			For Class 55 Rating, Add	3,049.87	
			For Class 56 Rating, Add	4,041.69	
40 05 19 00-0935	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,602.82	1,106.85
			For Class 52 Rating, Deduct	-1,531.83	
			For Class 54 Rating, Add	2,108.99	
			For Class 55 Rating, Add	3,145.70	
			For Class 56 Rating, Add	4,168.48	
40 05 19 00-0936	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,037.29	1,110.36
			For Class 52 Rating, Deduct	-1,579.04	
			For Class 54 Rating, Add	2,173.43	
			For Class 55 Rating, Add	3,241.52	
			For Class 56 Rating, Add	4,295.26	
40 05 19 00-0937	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,471.76	1,113.88
			For Class 52 Rating, Deduct	-1,626.25	
			For Class 54 Rating, Add	2,237.86	
			For Class 55 Rating, Add	3,337.35	
			For Class 56 Rating, Add	4,422.05	
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,906.22	1,117.39
			For Class 52 Rating, Deduct	-1,673.45	
			For Class 54 Rating, Add	2,302.30	
			For Class 55 Rating, Add	3,433.18	
			For Class 56 Rating, Add	4,548.84	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	17,340.69	1,120.91
			For Class 52 Rating, Deduct	-1,720.66	
			For Class 54 Rating, Add	2,366.73	
			For Class 55 Rating, Add	3,529.00	
			For Class 56 Rating, Add	4,675.63	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	17,775.15	1,124.42
			For Class 52 Rating, Deduct	-1,767.86	
			For Class 54 Rating, Add	2,431.17	
			For Class 55 Rating, Add	3,624.63	
			For Class 56 Rating, Add	4,802.42	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	18,300.13	1,187.68
			For Class 52 Rating, Deduct	-1,815.07	
			For Class 54 Rating, Add	2,496.69	
			For Class 55 Rating, Add	3,722.63	
			For Class 56 Rating, Add	4,932.47	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	18,734.59	1,191.19
			For Class 52 Rating, Deduct	-1,862.27	
			For Class 54 Rating, Add	2,561.12	
			For Class 55 Rating, Add	3,818.65	
			For Class 56 Rating, Add	5,059.25	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	19,169.06	1,194.71
			For Class 52 Rating, Deduct	-1,909.48	
			For Class 54 Rating, Add	2,625.56	
			For Class 55 Rating, Add	3,914.48	
			For Class 56 Rating, Add	5,186.04	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	19,603.51	1,198.22
			For Class 52 Rating, Deduct	-1,956.68	
			For Class 54 Rating, Add	2,689.99	
			For Class 55 Rating, Add	4,010.30	
			For Class 56 Rating, Add	5,312.83	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	20,037.99	1,201.73
			For Class 52 Rating, Deduct	-2,003.89	
			For Class 54 Rating, Add	2,754.43	
			For Class 55 Rating, Add	4,106.13	
			For Class 56 Rating, Add	5,439.62	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	20,472.45	1,205.25
			For Class 52 Rating, Deduct	-2,051.10	
			For Class 54 Rating, Add	2,818.86	
			For Class 55 Rating, Add	4,201.96	
			For Class 56 Rating, Add	5,566.41	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	20,906.92	1,208.76
			For Class 52 Rating, Deduct	-2,098.30	
			For Class 54 Rating, Add	2,883.30	
			For Class 55 Rating, Add	4,297.78	
			For Class 56 Rating, Add	5,693.20	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,341.39	1,212.27
		For Class 52 Rating, Deduct	-2,145.51	
		For Class 54 Rating, Add	2,947.73	
		For Class 55 Rating, Add	4,393.61	
		For Class 56 Rating, Add	5,819.98	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,775.85	1,215.79
		For Class 52 Rating, Deduct	-2,192.71	
		For Class 54 Rating, Add	3,012.17	
		For Class 55 Rating, Add	4,489.44	
		For Class 56 Rating, Add	5,946.77	

40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,668.25	1,447.70
		For Class 52 Rating, Deduct	-712.22	
		For Class 54 Rating, Add	997.54	
		For Class 55 Rating, Add	1,496.52	
		For Class 56 Rating, Add	1,989.02	
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,293.45	1,451.21
		For Class 52 Rating, Deduct	-780.41	
		For Class 54 Rating, Add	1,090.58	
		For Class 55 Rating, Add	1,634.88	
		For Class 56 Rating, Add	2,172.08	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,918.64	1,454.72
		For Class 52 Rating, Deduct	-848.60	
		For Class 54 Rating, Add	1,183.63	
		For Class 55 Rating, Add	1,773.23	
		For Class 56 Rating, Add	2,355.13	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,543.83	1,458.24
		For Class 52 Rating, Deduct	-916.78	
		For Class 54 Rating, Add	1,276.67	
		For Class 55 Rating, Add	1,911.59	
		For Class 56 Rating, Add	2,538.18	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,169.02	1,461.75
		For Class 52 Rating, Deduct	-984.97	
		For Class 54 Rating, Add	1,369.71	
		For Class 55 Rating, Add	2,049.95	
		For Class 56 Rating, Add	2,721.24	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,794.22	1,465.27
		For Class 52 Rating, Deduct	-1,053.15	
		For Class 54 Rating, Add	1,462.76	
		For Class 55 Rating, Add	2,188.31	
		For Class 56 Rating, Add	2,904.29	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,419.42	1,468.78
		For Class 52 Rating, Deduct	-1,121.34	
		For Class 54 Rating, Add	1,555.81	
		For Class 55 Rating, Add	2,326.67	
		For Class 56 Rating, Add	3,087.35	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,044.62	1,472.29
		For Class 52 Rating, Deduct	-1,189.53	
		For Class 54 Rating, Add	1,648.85	
		For Class 55 Rating, Add	2,465.03	
		For Class 56 Rating, Add	3,270.40	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,669.82	1,475.81
		For Class 52 Rating, Deduct	-1,257.71	
		For Class 54 Rating, Add	1,741.89	
		For Class 55 Rating, Add	2,603.39	
		For Class 56 Rating, Add	3,453.45	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,295.00	1,479.32
		For Class 52 Rating, Deduct	-1,325.90	
		For Class 54 Rating, Add	1,834.94	
		For Class 55 Rating, Add	2,741.75	
		For Class 56 Rating, Add	3,636.50	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,920.20	1,482.84
		For Class 52 Rating, Deduct	-1,394.08	
		For Class 54 Rating, Add	1,927.98	
		For Class 55 Rating, Add	2,880.11	
		For Class 56 Rating, Add	3,819.56	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,545.39	1,486.35
		For Class 52 Rating, Deduct	-1,462.27	
		For Class 54 Rating, Add	2,021.03	
		For Class 55 Rating, Add	3,018.47	
		For Class 56 Rating, Add	4,002.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0963	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,170.59	1,489.86
			For Class 52 Rating, Deduct	-1,530.45	
			For Class 54 Rating, Add	2,114.07	
			For Class 55 Rating, Add	3,156.82	
			For Class 56 Rating, Add	4,185.67	
40 05 19 00-0964	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,795.78	1,493.38
			For Class 52 Rating, Deduct	-1,598.64	
			For Class 54 Rating, Add	2,207.12	
			For Class 55 Rating, Add	3,295.18	
			For Class 56 Rating, Add	4,368.72	
40 05 19 00-0965	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,420.98	1,496.89
			For Class 52 Rating, Deduct	-1,666.83	
			For Class 54 Rating, Add	2,300.16	
			For Class 55 Rating, Add	3,433.54	
			For Class 56 Rating, Add	4,551.77	
40 05 19 00-0966	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,046.18	1,500.40
			For Class 52 Rating, Deduct	-1,735.01	
			For Class 54 Rating, Add	2,393.21	
			For Class 55 Rating, Add	3,571.90	
			For Class 56 Rating, Add	4,734.83	
40 05 19 00-0967	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,671.37	1,503.92
			For Class 52 Rating, Deduct	-1,803.20	
			For Class 54 Rating, Add	2,486.25	
			For Class 55 Rating, Add	3,710.26	
			For Class 56 Rating, Add	4,917.88	
40 05 19 00-0968	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,296.57	1,507.43
			For Class 52 Rating, Deduct	-1,871.38	
			For Class 54 Rating, Add	2,579.29	
			For Class 55 Rating, Add	3,848.62	
			For Class 56 Rating, Add	5,100.93	
40 05 19 00-0969	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,921.76	1,510.95
			For Class 52 Rating, Deduct	-1,939.57	
			For Class 54 Rating, Add	2,672.34	
			For Class 55 Rating, Add	3,986.98	
			For Class 56 Rating, Add	5,283.99	
40 05 19 00-0970	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,546.96	1,514.46
			For Class 52 Rating, Deduct	-2,007.76	
			For Class 54 Rating, Add	2,765.38	
			For Class 55 Rating, Add	4,125.34	
			For Class 56 Rating, Add	5,467.04	
40 05 19 00-0971	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,172.14	1,517.97
			For Class 52 Rating, Deduct	-2,075.94	
			For Class 54 Rating, Add	2,858.43	
			For Class 55 Rating, Add	4,263.70	
			For Class 56 Rating, Add	5,650.09	
40 05 19 00-0972	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,797.34	1,521.49
			For Class 52 Rating, Deduct	-2,144.13	
			For Class 54 Rating, Add	2,951.47	
			For Class 55 Rating, Add	4,402.06	
			For Class 56 Rating, Add	5,833.15	
40 05 19 00-0973	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,422.54	1,525.00
			For Class 52 Rating, Deduct	-2,212.31	
			For Class 54 Rating, Add	3,044.52	
			For Class 55 Rating, Add	4,540.42	
			For Class 56 Rating, Add	6,016.20	
40 05 19 00-0974	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,047.74	1,528.51
			For Class 52 Rating, Deduct	-2,280.50	
			For Class 54 Rating, Add	3,137.56	
			For Class 55 Rating, Add	4,678.78	
			For Class 56 Rating, Add	6,199.26	
40 05 19 00-0975	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,672.94	1,532.03
			For Class 52 Rating, Deduct	-2,348.68	
			For Class 54 Rating, Add	3,230.61	
			For Class 55 Rating, Add	4,817.13	
			For Class 56 Rating, Add	6,382.31	
40 05 19 00-0976	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,298.13	1,535.54
			For Class 52 Rating, Deduct	-2,416.87	
			For Class 54 Rating, Add	3,323.65	
			For Class 55 Rating, Add	4,955.49	
			For Class 56 Rating, Add	6,565.36	
40 05 19 00-0977	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,923.32	1,539.06
			For Class 52 Rating, Deduct	-2,485.06	
			For Class 54 Rating, Add	3,416.70	
			For Class 55 Rating, Add	5,093.85	
			For Class 56 Rating, Add	6,748.42	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,548.51	1,542.57
		For Class 52 Rating, Deduct	-2,553.24	
		For Class 54 Rating, Add	3,509.74	
		For Class 55 Rating, Add	5,232.21	
		For Class 56 Rating, Add	6,931.47	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,173.71	1,546.08
		For Class 52 Rating, Deduct	-2,621.43	
		For Class 54 Rating, Add	3,602.78	
		For Class 55 Rating, Add	5,370.57	
		For Class 56 Rating, Add	7,114.52	
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,798.91	1,549.60
		For Class 52 Rating, Deduct	-2,689.61	
		For Class 54 Rating, Add	3,695.83	
		For Class 55 Rating, Add	5,508.93	
		For Class 56 Rating, Add	7,297.58	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,424.10	1,553.11
		For Class 52 Rating, Deduct	-2,757.80	
		For Class 54 Rating, Add	3,788.87	
		For Class 55 Rating, Add	5,647.29	
		For Class 56 Rating, Add	7,480.63	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,049.31	1,556.62
		For Class 52 Rating, Deduct	-2,825.99	
		For Class 54 Rating, Add	3,881.92	
		For Class 55 Rating, Add	5,785.65	
		For Class 56 Rating, Add	7,663.69	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,674.49	1,560.14
		For Class 52 Rating, Deduct	-2,894.17	
		For Class 54 Rating, Add	3,974.96	
		For Class 55 Rating, Add	5,924.01	
		For Class 56 Rating, Add	7,846.74	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,299.69	1,563.65
		For Class 52 Rating, Deduct	-2,962.36	
		For Class 54 Rating, Add	4,068.01	
		For Class 55 Rating, Add	6,062.37	
		For Class 56 Rating, Add	8,029.79	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,924.88	1,567.17
		For Class 52 Rating, Deduct	-3,030.54	
		For Class 54 Rating, Add	4,161.05	
		For Class 55 Rating, Add	6,200.72	
		For Class 56 Rating, Add	8,212.85	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,550.08	1,570.68
		For Class 52 Rating, Deduct	-3,098.73	
		For Class 54 Rating, Add	4,254.10	
		For Class 55 Rating, Add	6,339.08	
		For Class 56 Rating, Add	8,395.90	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,175.28	1,574.19
		For Class 52 Rating, Deduct	-3,166.91	
		For Class 54 Rating, Add	4,347.14	
		For Class 55 Rating, Add	6,477.44	
		For Class 56 Rating, Add	8,578.95	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,800.46	1,577.71
		For Class 52 Rating, Deduct	-3,235.10	
		For Class 54 Rating, Add	4,440.19	
		For Class 55 Rating, Add	6,615.80	
		For Class 56 Rating, Add	8,762.01	

40 05 19 00-0989 36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-0554)

40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,906.54	1,834.21
		For Class 52 Rating, Deduct	-1,004.02	
		For Class 54 Rating, Add	1,402.46	
		For Class 55 Rating, Add	2,102.11	
		For Class 56 Rating, Add	2,792.64	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,755.09	1,837.73
		For Class 52 Rating, Deduct	-1,096.77	
		For Class 54 Rating, Add	1,529.01	
		For Class 55 Rating, Add	2,290.28	
		For Class 56 Rating, Add	3,041.58	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,603.63	1,841.24
		For Class 52 Rating, Deduct	-1,189.53	
		For Class 54 Rating, Add	1,655.56	
		For Class 55 Rating, Add	2,478.45	
		For Class 56 Rating, Add	3,290.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0993	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	14,452.18	1,844.75
			For Class 52 Rating, Deduct	-1,282.28	
			For Class 54 Rating, Add	1,782.10	
			For Class 55 Rating, Add	2,666.61	
			For Class 56 Rating, Add	3,539.46	
40 05 19 00-0994	EA		36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	15,300.73	1,848.27
			For Class 52 Rating, Deduct	-1,375.04	
			For Class 54 Rating, Add	1,908.65	
			For Class 55 Rating, Add	2,854.78	
			For Class 56 Rating, Add	3,788.41	
40 05 19 00-0995	EA		36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,149.28	1,851.78
			For Class 52 Rating, Deduct	-1,467.79	
			For Class 54 Rating, Add	2,035.20	
			For Class 55 Rating, Add	3,042.95	
			For Class 56 Rating, Add	4,037.35	
40 05 19 00-0996	EA		36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	16,997.83	1,855.30
			For Class 52 Rating, Deduct	-1,560.54	
			For Class 54 Rating, Add	2,161.75	
			For Class 55 Rating, Add	3,231.12	
			For Class 56 Rating, Add	4,286.30	
40 05 19 00-0997	EA		36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	17,846.38	1,858.81
			For Class 52 Rating, Deduct	-1,653.30	
			For Class 54 Rating, Add	2,288.30	
			For Class 55 Rating, Add	3,419.28	
			For Class 56 Rating, Add	4,535.24	
40 05 19 00-0998	EA		36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	18,694.93	1,862.32
			For Class 52 Rating, Deduct	-1,746.05	
			For Class 54 Rating, Add	2,414.84	
			For Class 55 Rating, Add	3,607.45	
			For Class 56 Rating, Add	4,784.18	
40 05 19 00-0999	EA		36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	19,543.48	1,865.84
			For Class 52 Rating, Deduct	-1,838.81	
			For Class 54 Rating, Add	2,541.39	
			For Class 55 Rating, Add	3,795.62	
			For Class 56 Rating, Add	5,033.13	
40 05 19 00-1000	EA		36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	20,392.03	1,869.35
			For Class 52 Rating, Deduct	-1,931.56	
			For Class 54 Rating, Add	2,667.94	
			For Class 55 Rating, Add	3,983.78	
			For Class 56 Rating, Add	5,282.07	
40 05 19 00-1001	EA		36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	21,240.58	1,872.86
			For Class 52 Rating, Deduct	-2,024.32	
			For Class 54 Rating, Add	2,794.49	
			For Class 55 Rating, Add	4,171.95	
			For Class 56 Rating, Add	5,531.01	
40 05 19 00-1002	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	22,089.13	1,876.38
			For Class 52 Rating, Deduct	-2,117.07	
			For Class 54 Rating, Add	2,921.03	
			For Class 55 Rating, Add	4,360.12	
			For Class 56 Rating, Add	5,779.95	
40 05 19 00-1003	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	22,937.67	1,879.89
			For Class 52 Rating, Deduct	-2,209.83	
			For Class 54 Rating, Add	3,047.58	
			For Class 55 Rating, Add	4,548.28	
			For Class 56 Rating, Add	6,028.90	
40 05 19 00-1004	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	23,786.22	1,883.41
			For Class 52 Rating, Deduct	-2,302.58	
			For Class 54 Rating, Add	3,174.13	
			For Class 55 Rating, Add	4,736.45	
			For Class 56 Rating, Add	6,277.84	
40 05 19 00-1005	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	24,634.78	1,886.92
			For Class 52 Rating, Deduct	-2,395.34	
			For Class 54 Rating, Add	3,300.68	
			For Class 55 Rating, Add	4,924.62	
			For Class 56 Rating, Add	6,526.78	
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	25,483.32	1,890.43
			For Class 52 Rating, Deduct	-2,488.09	
			For Class 54 Rating, Add	3,427.22	
			For Class 55 Rating, Add	5,112.78	
			For Class 56 Rating, Add	6,775.73	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	26,331.88	1,893.95
			For Class 52 Rating, Deduct	-2,580.85	
			For Class 54 Rating, Add	3,553.77	
			For Class 55 Rating, Add	5,300.95	
			For Class 56 Rating, Add	7,024.67	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	27,180.43	1,897.46
		Pipe		
		For Class 52 Rating, Deduct	-2,673.60	
		For Class 54 Rating, Add	3,680.32	
		For Class 55 Rating, Add	5,489.12	
		For Class 56 Rating, Add	7,273.61	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	28,028.97	1,900.98
		Pipe		
		For Class 52 Rating, Deduct	-2,766.36	
		For Class 54 Rating, Add	3,806.87	
		For Class 55 Rating, Add	5,677.29	
		For Class 56 Rating, Add	7,522.56	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	28,877.52	1,904.49
		Pipe		
		For Class 52 Rating, Deduct	-2,859.11	
		For Class 54 Rating, Add	3,933.42	
		For Class 55 Rating, Add	5,865.45	
		For Class 56 Rating, Add	7,771.50	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	29,726.07	1,908.00
		Pipe		
		For Class 52 Rating, Deduct	-2,951.87	
		For Class 54 Rating, Add	4,059.96	
		For Class 55 Rating, Add	6,053.62	
		For Class 56 Rating, Add	8,020.44	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	30,574.63	1,911.52
		Pipe		
		For Class 52 Rating, Deduct	-3,044.62	
		For Class 54 Rating, Add	4,186.51	
		For Class 55 Rating, Add	6,241.79	
		For Class 56 Rating, Add	8,269.39	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	31,423.17	1,915.03
		Pipe		
		For Class 52 Rating, Deduct	-3,137.38	
		For Class 54 Rating, Add	4,313.06	
		For Class 55 Rating, Add	6,429.95	
		For Class 56 Rating, Add	8,518.33	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	32,271.73	1,918.55
		Pipe		
		For Class 52 Rating, Deduct	-3,230.13	
		For Class 54 Rating, Add	4,439.61	
		For Class 55 Rating, Add	6,618.12	
		For Class 56 Rating, Add	8,767.27	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	33,120.27	1,922.07
		Pipe		
		For Class 52 Rating, Deduct	-3,322.89	
		For Class 54 Rating, Add	4,566.16	
		For Class 55 Rating, Add	6,806.29	
		For Class 56 Rating, Add	9,016.22	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	33,968.82	1,925.58
		Pipe		
		For Class 52 Rating, Deduct	-3,415.64	
		For Class 54 Rating, Add	4,692.70	
		For Class 55 Rating, Add	6,994.46	
		For Class 56 Rating, Add	9,265.16	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	34,817.37	1,929.10
		Pipe		
		For Class 52 Rating, Deduct	-3,508.40	
		For Class 54 Rating, Add	4,819.25	
		For Class 55 Rating, Add	7,182.62	
		For Class 56 Rating, Add	9,514.10	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	35,665.92	1,932.61
		Pipe		
		For Class 52 Rating, Deduct	-3,601.15	
		For Class 54 Rating, Add	4,945.80	
		For Class 55 Rating, Add	7,370.79	
		For Class 56 Rating, Add	9,763.05	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	36,514.48	1,936.12
		Pipe		
		For Class 52 Rating, Deduct	-3,693.91	
		For Class 54 Rating, Add	5,072.35	
		For Class 55 Rating, Add	7,558.96	
		For Class 56 Rating, Add	10,011.99	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	37,363.01	1,939.64
		Pipe		
		For Class 52 Rating, Deduct	-3,786.66	
		For Class 54 Rating, Add	5,198.89	
		For Class 55 Rating, Add	7,747.12	
		For Class 56 Rating, Add	10,260.93	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	38,211.57	1,943.15
		Pipe		
		For Class 52 Rating, Deduct	-3,879.42	
		For Class 54 Rating, Add	5,325.44	
		For Class 55 Rating, Add	7,935.29	
		For Class 56 Rating, Add	10,509.88	
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	39,060.11	1,946.66
		Pipe		
		For Class 52 Rating, Deduct	-3,972.17	
		For Class 54 Rating, Add	5,451.99	
		For Class 55 Rating, Add	8,123.46	
		For Class 56 Rating, Add	10,758.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023	EA		36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,908.67	1,950.18
			For Class 52 Rating, Deduct	-4,064.92	
			For Class 54 Rating, Add	5,578.54	
			For Class 55 Rating, Add	8,311.63	
			For Class 56 Rating, Add	11,007.76	
40 05 19 00-1024	EA		36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,757.22	1,953.69
			For Class 52 Rating, Deduct	-4,157.68	
			For Class 54 Rating, Add	5,705.09	
			For Class 55 Rating, Add	8,499.79	
			For Class 56 Rating, Add	11,256.71	
40 05 19 00-1025	EA		36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,605.77	1,957.21
			For Class 52 Rating, Deduct	-4,250.43	
			For Class 54 Rating, Add	5,831.63	
			For Class 55 Rating, Add	8,687.96	
			For Class 56 Rating, Add	11,505.65	
40 05 19 00-1026	EA		36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,454.32	1,960.72
			For Class 52 Rating, Deduct	-4,343.19	
			For Class 54 Rating, Add	5,958.18	
			For Class 55 Rating, Add	8,876.13	
			For Class 56 Rating, Add	11,754.59	
40 05 19 00-1027	EA		36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,302.86	1,964.23
			For Class 52 Rating, Deduct	-4,435.94	
			For Class 54 Rating, Add	6,084.73	
			For Class 55 Rating, Add	9,064.29	
			For Class 56 Rating, Add	12,003.53	
40 05 19 00-1028			Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0001)		
40 05 19 00-1029			4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1030	EA		4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	624.26	171.84
			For Class 52 Rating, Deduct	-40.03	
			For Class 54 Rating, Add	57.71	
			For Class 55 Rating, Add	87.40	
			For Class 56 Rating, Add	116.72	
40 05 19 00-1031	EA		4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	694.06	174.85
			For Class 52 Rating, Deduct	-47.21	
			For Class 54 Rating, Add	67.55	
			For Class 55 Rating, Add	102.06	
			For Class 56 Rating, Add	136.13	
40 05 19 00-1032	EA		4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	763.87	177.87
			For Class 52 Rating, Deduct	-54.38	
			For Class 54 Rating, Add	77.39	
			For Class 55 Rating, Add	116.72	
			For Class 56 Rating, Add	155.55	
40 05 19 00-1033	EA		4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	833.67	180.86
			For Class 52 Rating, Deduct	-61.56	
			For Class 54 Rating, Add	87.23	
			For Class 55 Rating, Add	131.38	
			For Class 56 Rating, Add	174.96	
40 05 19 00-1034	EA		4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.47	183.87
			For Class 52 Rating, Deduct	-68.74	
			For Class 54 Rating, Add	97.08	
			For Class 55 Rating, Add	146.04	
			For Class 56 Rating, Add	194.37	
40 05 19 00-1035	EA		4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	973.26	186.87
			For Class 52 Rating, Deduct	-75.92	
			For Class 54 Rating, Add	106.92	
			For Class 55 Rating, Add	160.70	
			For Class 56 Rating, Add	213.78	
40 05 19 00-1036	EA		4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,043.07	189.88
			For Class 52 Rating, Deduct	-83.09	
			For Class 54 Rating, Add	116.76	
			For Class 55 Rating, Add	175.36	
			For Class 56 Rating, Add	233.20	
40 05 19 00-1037	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,112.87	192.87
			For Class 52 Rating, Deduct	-90.27	
			For Class 54 Rating, Add	126.60	
			For Class 55 Rating, Add	190.02	
			For Class 56 Rating, Add	252.61	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,182.67	195.89
		Pipe		
		For Class 52 Rating, Deduct	-97.45	
		For Class 54 Rating, Add	136.44	
		For Class 55 Rating, Add	204.68	
		For Class 56 Rating, Add	272.02	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,252.47	198.89
		Pipe		
		For Class 52 Rating, Deduct	-104.63	
		For Class 54 Rating, Add	146.29	
		For Class 55 Rating, Add	219.34	
		For Class 56 Rating, Add	291.43	
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,322.28	201.89
		Pipe		
		For Class 52 Rating, Deduct	-111.80	
		For Class 54 Rating, Add	156.13	
		For Class 55 Rating, Add	234.00	
		For Class 56 Rating, Add	310.85	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,392.08	204.89
		Pipe		
		For Class 52 Rating, Deduct	-118.98	
		For Class 54 Rating, Add	165.97	
		For Class 55 Rating, Add	248.66	
		For Class 56 Rating, Add	330.26	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,461.88	207.90
		Pipe		
		For Class 52 Rating, Deduct	-126.16	
		For Class 54 Rating, Add	175.81	
		For Class 55 Rating, Add	263.32	
		For Class 56 Rating, Add	349.67	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,531.68	210.91
		Pipe		
		For Class 52 Rating, Deduct	-133.34	
		For Class 54 Rating, Add	185.66	
		For Class 55 Rating, Add	277.98	
		For Class 56 Rating, Add	369.08	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,601.49	213.91
		Pipe		
		For Class 52 Rating, Deduct	-140.51	
		For Class 54 Rating, Add	195.50	
		For Class 55 Rating, Add	292.64	
		For Class 56 Rating, Add	388.50	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,671.29	216.91
		Pipe		
		For Class 52 Rating, Deduct	-147.69	
		For Class 54 Rating, Add	205.34	
		For Class 55 Rating, Add	307.30	
		For Class 56 Rating, Add	407.91	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,741.09	219.92
		Pipe		
		For Class 52 Rating, Deduct	-154.87	
		For Class 54 Rating, Add	215.18	
		For Class 55 Rating, Add	321.96	
		For Class 56 Rating, Add	427.32	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,810.89	222.91
		Pipe		
		For Class 52 Rating, Deduct	-162.05	
		For Class 54 Rating, Add	225.02	
		For Class 55 Rating, Add	336.62	
		For Class 56 Rating, Add	446.74	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,880.69	225.92
		Pipe		
		For Class 52 Rating, Deduct	-169.22	
		For Class 54 Rating, Add	234.86	
		For Class 55 Rating, Add	351.27	
		For Class 56 Rating, Add	466.15	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	1,950.49	228.93
		Pipe		
		For Class 52 Rating, Deduct	-176.40	
		For Class 54 Rating, Add	244.71	
		For Class 55 Rating, Add	365.93	
		For Class 56 Rating, Add	485.56	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	2,020.29	231.94
		Pipe		
		For Class 52 Rating, Deduct	-183.58	
		For Class 54 Rating, Add	254.55	
		For Class 55 Rating, Add	380.59	
		For Class 56 Rating, Add	504.97	
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	2,090.09	234.94
		Pipe		
		For Class 52 Rating, Deduct	-190.75	
		For Class 54 Rating, Add	264.39	
		For Class 55 Rating, Add	395.25	
		For Class 56 Rating, Add	524.38	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	2,159.90	237.94
		Pipe		
		For Class 52 Rating, Deduct	-197.93	
		For Class 54 Rating, Add	274.23	
		For Class 55 Rating, Add	409.91	
		For Class 56 Rating, Add	543.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,229.70	240.95
			For Class 52 Rating, Deduct	-205.11	
			For Class 54 Rating, Add	284.08	
			For Class 55 Rating, Add	424.57	
			For Class 56 Rating, Add	563.21	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,299.50	243.94
			For Class 52 Rating, Deduct	-212.29	
			For Class 54 Rating, Add	293.92	
			For Class 55 Rating, Add	439.23	
			For Class 56 Rating, Add	582.62	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,369.30	246.95
			For Class 52 Rating, Deduct	-219.46	
			For Class 54 Rating, Add	303.76	
			For Class 55 Rating, Add	453.89	
			For Class 56 Rating, Add	602.03	
40 05 19 00-1056	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,439.10	249.96
			For Class 52 Rating, Deduct	-226.64	
			For Class 54 Rating, Add	313.60	
			For Class 55 Rating, Add	468.55	
			For Class 56 Rating, Add	621.45	
40 05 19 00-1057	EA		4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,508.91	252.97
			For Class 52 Rating, Deduct	-233.82	
			For Class 54 Rating, Add	323.44	
			For Class 55 Rating, Add	483.21	
			For Class 56 Rating, Add	640.86	
40 05 19 00-1058	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,578.71	255.96
			For Class 52 Rating, Deduct	-241.00	
			For Class 54 Rating, Add	333.29	
			For Class 55 Rating, Add	497.87	
			For Class 56 Rating, Add	660.27	
40 05 19 00-1059	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,648.51	258.97
			For Class 52 Rating, Deduct	-248.17	
			For Class 54 Rating, Add	343.13	
			For Class 55 Rating, Add	512.53	
			For Class 56 Rating, Add	679.68	
40 05 19 00-1060	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,718.30	261.98
			For Class 52 Rating, Deduct	-255.35	
			For Class 54 Rating, Add	352.97	
			For Class 55 Rating, Add	527.19	
			For Class 56 Rating, Add	699.10	
40 05 19 00-1061	EA		4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,788.11	264.99
			For Class 52 Rating, Deduct	-262.53	
			For Class 54 Rating, Add	362.81	
			For Class 55 Rating, Add	541.65	
			For Class 56 Rating, Add	718.51	
40 05 19 00-1062	EA		4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,857.91	267.99
			For Class 52 Rating, Deduct	-269.71	
			For Class 54 Rating, Add	372.65	
			For Class 55 Rating, Add	556.51	
			For Class 56 Rating, Add	737.92	
40 05 19 00-1063	EA		4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,927.71	270.99
			For Class 52 Rating, Deduct	-276.88	
			For Class 54 Rating, Add	382.50	
			For Class 55 Rating, Add	571.17	
			For Class 56 Rating, Add	757.33	
40 05 19 00-1064	EA		4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,997.51	274.00
			For Class 52 Rating, Deduct	-284.06	
			For Class 54 Rating, Add	392.34	
			For Class 55 Rating, Add	585.83	
			For Class 56 Rating, Add	776.75	
40 05 19 00-1065	EA		4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,067.32	276.99
			For Class 52 Rating, Deduct	-291.24	
			For Class 54 Rating, Add	402.18	
			For Class 55 Rating, Add	600.49	
			For Class 56 Rating, Add	796.16	
40 05 19 00-1066	EA		4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,137.12	280.00
			For Class 52 Rating, Deduct	-298.42	
			For Class 54 Rating, Add	412.02	
			For Class 55 Rating, Add	615.15	
			For Class 56 Rating, Add	815.57	
40 05 19 00-1067	EA		4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,206.92	283.01
			For Class 52 Rating, Deduct	-305.59	
			For Class 54 Rating, Add	421.86	
			For Class 55 Rating, Add	629.81	
			For Class 56 Rating, Add	834.98	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,276.72	286.02
		For Class 52 Rating, Deduct	-312.77	
		For Class 54 Rating, Add	431.71	
		For Class 55 Rating, Add	644.47	
		For Class 56 Rating, Add	854.40	

40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	781.98	216.32
		For Class 52 Rating, Deduct	-49.97	
		For Class 54 Rating, Add	72.07	
		For Class 55 Rating, Add	109.16	
		For Class 56 Rating, Add	145.80	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	866.83	219.32
		For Class 52 Rating, Deduct	-58.80	
		For Class 54 Rating, Add	84.17	
		For Class 55 Rating, Add	127.18	
		For Class 56 Rating, Add	169.65	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	951.70	222.32
		For Class 52 Rating, Deduct	-67.63	
		For Class 54 Rating, Add	96.27	
		For Class 55 Rating, Add	145.20	
		For Class 56 Rating, Add	193.51	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,036.56	225.32
		For Class 52 Rating, Deduct	-76.47	
		For Class 54 Rating, Add	108.37	
		For Class 55 Rating, Add	163.21	
		For Class 56 Rating, Add	217.36	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,121.42	228.33
		For Class 52 Rating, Deduct	-85.30	
		For Class 54 Rating, Add	120.47	
		For Class 55 Rating, Add	181.23	
		For Class 56 Rating, Add	241.22	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,206.27	231.32
		For Class 52 Rating, Deduct	-94.13	
		For Class 54 Rating, Add	132.57	
		For Class 55 Rating, Add	199.25	
		For Class 56 Rating, Add	265.07	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,291.14	234.34
		For Class 52 Rating, Deduct	-102.97	
		For Class 54 Rating, Add	144.67	
		For Class 55 Rating, Add	217.27	
		For Class 56 Rating, Add	288.93	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,376.00	237.35
		For Class 52 Rating, Deduct	-111.80	
		For Class 54 Rating, Add	156.77	
		For Class 55 Rating, Add	235.29	
		For Class 56 Rating, Add	312.78	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,460.86	240.35
		For Class 52 Rating, Deduct	-120.64	
		For Class 54 Rating, Add	168.87	
		For Class 55 Rating, Add	253.30	
		For Class 56 Rating, Add	336.64	
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,545.71	243.35
		For Class 52 Rating, Deduct	-129.47	
		For Class 54 Rating, Add	180.97	
		For Class 55 Rating, Add	271.32	
		For Class 56 Rating, Add	360.49	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,630.58	246.35
		For Class 52 Rating, Deduct	-138.30	
		For Class 54 Rating, Add	193.08	
		For Class 55 Rating, Add	289.34	
		For Class 56 Rating, Add	384.34	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,715.44	249.36
		For Class 52 Rating, Deduct	-147.14	
		For Class 54 Rating, Add	205.18	
		For Class 55 Rating, Add	307.36	
		For Class 56 Rating, Add	408.20	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,800.29	252.36
		For Class 52 Rating, Deduct	-155.97	
		For Class 54 Rating, Add	217.28	
		For Class 55 Rating, Add	325.37	
		For Class 56 Rating, Add	432.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1083	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,885.15	255.37
			For Class 52 Rating, Deduct	-164.81	
			For Class 54 Rating, Add	229.38	
			For Class 55 Rating, Add	343.39	
			For Class 56 Rating, Add	455.91	
40 05 19 00-1084	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,970.02	258.37
			For Class 52 Rating, Deduct	-173.64	
			For Class 54 Rating, Add	241.48	
			For Class 55 Rating, Add	361.41	
			For Class 56 Rating, Add	479.76	
40 05 19 00-1085	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,054.88	261.38
			For Class 52 Rating, Deduct	-182.47	
			For Class 54 Rating, Add	253.58	
			For Class 55 Rating, Add	379.43	
			For Class 56 Rating, Add	503.62	
40 05 19 00-1086	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,139.73	264.37
			For Class 52 Rating, Deduct	-191.31	
			For Class 54 Rating, Add	265.68	
			For Class 55 Rating, Add	397.44	
			For Class 56 Rating, Add	527.47	
40 05 19 00-1087	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,224.58	267.38
			For Class 52 Rating, Deduct	-200.14	
			For Class 54 Rating, Add	277.78	
			For Class 55 Rating, Add	415.46	
			For Class 56 Rating, Add	551.33	
40 05 19 00-1088	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,309.45	270.39
			For Class 52 Rating, Deduct	-208.97	
			For Class 54 Rating, Add	289.88	
			For Class 55 Rating, Add	433.48	
			For Class 56 Rating, Add	575.18	
40 05 19 00-1089	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,394.30	273.40
			For Class 52 Rating, Deduct	-217.81	
			For Class 54 Rating, Add	301.98	
			For Class 55 Rating, Add	451.50	
			For Class 56 Rating, Add	599.03	
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,479.16	276.39
			For Class 52 Rating, Deduct	-226.64	
			For Class 54 Rating, Add	314.08	
			For Class 55 Rating, Add	469.52	
			For Class 56 Rating, Add	622.89	
40 05 19 00-1091	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,564.02	279.40
			For Class 52 Rating, Deduct	-235.48	
			For Class 54 Rating, Add	326.18	
			For Class 55 Rating, Add	487.53	
			For Class 56 Rating, Add	646.74	
40 05 19 00-1092	EA		6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,648.89	282.41
			For Class 52 Rating, Deduct	-244.31	
			For Class 54 Rating, Add	338.28	
			For Class 55 Rating, Add	505.55	
			For Class 56 Rating, Add	670.60	
40 05 19 00-1093	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,733.74	285.40
			For Class 52 Rating, Deduct	-253.14	
			For Class 54 Rating, Add	350.38	
			For Class 55 Rating, Add	523.57	
			For Class 56 Rating, Add	694.45	
40 05 19 00-1094	EA		6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,818.60	288.42
			For Class 52 Rating, Deduct	-261.98	
			For Class 54 Rating, Add	362.49	
			For Class 55 Rating, Add	541.59	
			For Class 56 Rating, Add	718.31	
40 05 19 00-1095	EA		6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,903.46	291.42
			For Class 52 Rating, Deduct	-270.81	
			For Class 54 Rating, Add	374.59	
			For Class 55 Rating, Add	559.61	
			For Class 56 Rating, Add	742.16	
40 05 19 00-1096	EA		6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,988.31	294.43
			For Class 52 Rating, Deduct	-279.64	
			For Class 54 Rating, Add	386.69	
			For Class 55 Rating, Add	577.62	
			For Class 56 Rating, Add	766.01	
40 05 19 00-1097	EA		6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,073.18	297.42
			For Class 52 Rating, Deduct	-288.48	
			For Class 54 Rating, Add	398.79	
			For Class 55 Rating, Add	595.64	
			For Class 56 Rating, Add	789.87	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,158.04	300.43
		For Class 52 Rating, Deduct	-297.31	
		For Class 54 Rating, Add	410.89	
		For Class 55 Rating, Add	613.66	
		For Class 56 Rating, Add	813.73	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,242.90	303.44
		For Class 52 Rating, Deduct	-306.15	
		For Class 54 Rating, Add	422.99	
		For Class 55 Rating, Add	631.68	
		For Class 56 Rating, Add	837.58	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,327.75	306.44
		For Class 52 Rating, Deduct	-314.98	
		For Class 54 Rating, Add	435.09	
		For Class 55 Rating, Add	649.69	
		For Class 56 Rating, Add	861.43	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,412.62	309.44
		For Class 52 Rating, Deduct	-323.81	
		For Class 54 Rating, Add	447.19	
		For Class 55 Rating, Add	667.71	
		For Class 56 Rating, Add	885.29	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,497.48	312.45
		For Class 52 Rating, Deduct	-332.65	
		For Class 54 Rating, Add	459.29	
		For Class 55 Rating, Add	685.73	
		For Class 56 Rating, Add	909.14	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,582.34	315.46
		For Class 52 Rating, Deduct	-341.48	
		For Class 54 Rating, Add	471.39	
		For Class 55 Rating, Add	703.75	
		For Class 56 Rating, Add	933.00	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,667.19	318.45
		For Class 52 Rating, Deduct	-350.31	
		For Class 54 Rating, Add	483.49	
		For Class 55 Rating, Add	721.76	
		For Class 56 Rating, Add	956.85	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,752.06	321.47
		For Class 52 Rating, Deduct	-359.15	
		For Class 54 Rating, Add	495.59	
		For Class 55 Rating, Add	739.78	
		For Class 56 Rating, Add	980.71	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,836.92	324.47
		For Class 52 Rating, Deduct	-367.98	
		For Class 54 Rating, Add	507.69	
		For Class 55 Rating, Add	757.80	
		For Class 56 Rating, Add	1,004.56	
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,921.77	327.47
		For Class 52 Rating, Deduct	-376.82	
		For Class 54 Rating, Add	519.79	
		For Class 55 Rating, Add	775.82	
		For Class 56 Rating, Add	1,028.41	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,006.63	330.47
		For Class 52 Rating, Deduct	-385.65	
		For Class 54 Rating, Add	531.90	
		For Class 55 Rating, Add	793.84	
		For Class 56 Rating, Add	1,052.27	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,078.80	276.39
		For Class 52 Rating, Deduct	-72.60	
		For Class 54 Rating, Add	104.03	
		For Class 55 Rating, Add	157.24	
		For Class 56 Rating, Add	209.78	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,193.78	279.40
		For Class 52 Rating, Deduct	-84.75	
		For Class 54 Rating, Add	120.65	
		For Class 55 Rating, Add	181.97	
		For Class 56 Rating, Add	242.52	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,308.76	282.41
		For Class 52 Rating, Deduct	-96.90	
		For Class 54 Rating, Add	137.27	
		For Class 55 Rating, Add	206.70	
		For Class 56 Rating, Add	275.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,423.73	285.40
			For Class 52 Rating, Deduct	-109.04	
			For Class 54 Rating, Add	153.88	
			For Class 55 Rating, Add	231.44	
			For Class 56 Rating, Add	308.00	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,538.70	288.42
			For Class 52 Rating, Deduct	-121.19	
			For Class 54 Rating, Add	170.50	
			For Class 55 Rating, Add	256.17	
			For Class 56 Rating, Add	340.74	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,653.68	291.42
			For Class 52 Rating, Deduct	-133.34	
			For Class 54 Rating, Add	187.12	
			For Class 55 Rating, Add	280.90	
			For Class 56 Rating, Add	373.48	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,768.65	294.43
			For Class 52 Rating, Deduct	-145.48	
			For Class 54 Rating, Add	203.74	
			For Class 55 Rating, Add	305.64	
			For Class 56 Rating, Add	406.21	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,883.63	297.42
			For Class 52 Rating, Deduct	-157.63	
			For Class 54 Rating, Add	220.35	
			For Class 55 Rating, Add	330.37	
			For Class 56 Rating, Add	438.95	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	1,998.60	300.43
			For Class 52 Rating, Deduct	-169.77	
			For Class 54 Rating, Add	236.97	
			For Class 55 Rating, Add	355.10	
			For Class 56 Rating, Add	471.69	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,113.58	303.44
			For Class 52 Rating, Deduct	-181.92	
			For Class 54 Rating, Add	253.59	
			For Class 55 Rating, Add	379.64	
			For Class 56 Rating, Add	504.43	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,228.55	306.44
			For Class 52 Rating, Deduct	-194.07	
			For Class 54 Rating, Add	270.21	
			For Class 55 Rating, Add	404.57	
			For Class 56 Rating, Add	537.17	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,343.53	309.44
			For Class 52 Rating, Deduct	-206.21	
			For Class 54 Rating, Add	286.83	
			For Class 55 Rating, Add	429.30	
			For Class 56 Rating, Add	569.91	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,458.50	312.45
			For Class 52 Rating, Deduct	-218.36	
			For Class 54 Rating, Add	303.44	
			For Class 55 Rating, Add	454.04	
			For Class 56 Rating, Add	602.64	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,573.48	315.46
			For Class 52 Rating, Deduct	-230.51	
			For Class 54 Rating, Add	320.06	
			For Class 55 Rating, Add	478.77	
			For Class 56 Rating, Add	635.38	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,688.45	318.45
			For Class 52 Rating, Deduct	-242.65	
			For Class 54 Rating, Add	336.68	
			For Class 55 Rating, Add	503.50	
			For Class 56 Rating, Add	668.12	
40 05 19 00-1125	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,803.43	321.47
			For Class 52 Rating, Deduct	-254.80	
			For Class 54 Rating, Add	353.30	
			For Class 55 Rating, Add	528.24	
			For Class 56 Rating, Add	700.86	
40 05 19 00-1126	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	2,918.40	324.47
			For Class 52 Rating, Deduct	-266.95	
			For Class 54 Rating, Add	369.92	
			For Class 55 Rating, Add	552.97	
			For Class 56 Rating, Add	733.60	
40 05 19 00-1127	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	3,033.38	327.47
			For Class 52 Rating, Deduct	-279.09	
			For Class 54 Rating, Add	386.54	
			For Class 55 Rating, Add	577.71	
			For Class 56 Rating, Add	766.34	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,148.35	330.47
		For Class 52 Rating, Deduct	-291.24	
		For Class 54 Rating, Add	403.15	
		For Class 55 Rating, Add	602.44	
		For Class 56 Rating, Add	799.08	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,263.33	333.48
		For Class 52 Rating, Deduct	-303.39	
		For Class 54 Rating, Add	419.77	
		For Class 55 Rating, Add	627.17	
		For Class 56 Rating, Add	831.81	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,378.30	336.49
		For Class 52 Rating, Deduct	-315.53	
		For Class 54 Rating, Add	436.39	
		For Class 55 Rating, Add	651.90	
		For Class 56 Rating, Add	864.55	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,493.28	339.49
		For Class 52 Rating, Deduct	-327.68	
		For Class 54 Rating, Add	453.01	
		For Class 55 Rating, Add	676.64	
		For Class 56 Rating, Add	897.29	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,608.25	342.49
		For Class 52 Rating, Deduct	-339.83	
		For Class 54 Rating, Add	469.63	
		For Class 55 Rating, Add	701.37	
		For Class 56 Rating, Add	930.03	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,723.22	345.50
		For Class 52 Rating, Deduct	-351.97	
		For Class 54 Rating, Add	486.24	
		For Class 55 Rating, Add	726.11	
		For Class 56 Rating, Add	962.77	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,838.19	348.50
		For Class 52 Rating, Deduct	-364.12	
		For Class 54 Rating, Add	502.86	
		For Class 55 Rating, Add	750.84	
		For Class 56 Rating, Add	995.51	
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	3,953.16	351.50
		For Class 52 Rating, Deduct	-376.26	
		For Class 54 Rating, Add	519.48	
		For Class 55 Rating, Add	775.57	
		For Class 56 Rating, Add	1,028.24	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,068.14	354.52
		For Class 52 Rating, Deduct	-388.41	
		For Class 54 Rating, Add	536.10	
		For Class 55 Rating, Add	800.31	
		For Class 56 Rating, Add	1,060.98	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,183.12	357.52
		For Class 52 Rating, Deduct	-400.56	
		For Class 54 Rating, Add	552.71	
		For Class 55 Rating, Add	825.04	
		For Class 56 Rating, Add	1,093.72	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,298.09	360.52
		For Class 52 Rating, Deduct	-412.70	
		For Class 54 Rating, Add	569.33	
		For Class 55 Rating, Add	849.77	
		For Class 56 Rating, Add	1,126.46	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,413.06	363.52
		For Class 52 Rating, Deduct	-424.85	
		For Class 54 Rating, Add	585.95	
		For Class 55 Rating, Add	874.51	
		For Class 56 Rating, Add	1,159.20	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,528.04	366.53
		For Class 52 Rating, Deduct	-437.00	
		For Class 54 Rating, Add	602.57	
		For Class 55 Rating, Add	899.24	
		For Class 56 Rating, Add	1,191.94	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,643.01	369.53
		For Class 52 Rating, Deduct	-449.14	
		For Class 54 Rating, Add	619.19	
		For Class 55 Rating, Add	923.97	
		For Class 56 Rating, Add	1,224.68	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	4,757.99	372.54
		For Class 52 Rating, Deduct	-461.29	
		For Class 54 Rating, Add	635.80	
		For Class 55 Rating, Add	948.71	
		For Class 56 Rating, Add	1,257.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1143	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,872.96	375.54
			For Class 52 Rating, Deduct	-473.44	
			For Class 54 Rating, Add	652.42	
			For Class 55 Rating, Add	973.44	
			For Class 56 Rating, Add	1,290.15	
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,987.94	378.55
			For Class 52 Rating, Deduct	-485.58	
			For Class 54 Rating, Add	669.04	
			For Class 55 Rating, Add	998.17	
			For Class 56 Rating, Add	1,322.89	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,102.91	381.54
			For Class 52 Rating, Deduct	-497.73	
			For Class 54 Rating, Add	685.66	
			For Class 55 Rating, Add	1,022.91	
			For Class 56 Rating, Add	1,355.63	
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,217.89	384.55
			For Class 52 Rating, Deduct	-509.88	
			For Class 54 Rating, Add	702.28	
			For Class 55 Rating, Add	1,047.64	
			For Class 56 Rating, Add	1,388.37	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,332.86	387.55
			For Class 52 Rating, Deduct	-522.02	
			For Class 54 Rating, Add	718.89	
			For Class 55 Rating, Add	1,072.37	
			For Class 56 Rating, Add	1,421.11	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,447.84	390.57
			For Class 52 Rating, Deduct	-534.17	
			For Class 54 Rating, Add	735.51	
			For Class 55 Rating, Add	1,097.11	
			For Class 56 Rating, Add	1,453.85	
40 05 19 00-1149 10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe					
			(40 05 19 00-1028)		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,360.58	336.49
			For Class 52 Rating, Deduct	-93.58	
			For Class 54 Rating, Add	133.73	
			For Class 55 Rating, Add	201.95	
			For Class 56 Rating, Add	269.33	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,510.69	339.49
			For Class 52 Rating, Deduct	-109.59	
			For Class 54 Rating, Add	155.62	
			For Class 55 Rating, Add	234.52	
			For Class 56 Rating, Add	312.43	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,660.80	342.49
			For Class 52 Rating, Deduct	-125.61	
			For Class 54 Rating, Add	177.51	
			For Class 55 Rating, Add	267.09	
			For Class 56 Rating, Add	355.53	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,810.90	345.50
			For Class 52 Rating, Deduct	-141.62	
			For Class 54 Rating, Add	199.39	
			For Class 55 Rating, Add	299.66	
			For Class 56 Rating, Add	398.63	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,961.01	348.50
			For Class 52 Rating, Deduct	-157.63	
			For Class 54 Rating, Add	221.28	
			For Class 55 Rating, Add	332.23	
			For Class 56 Rating, Add	441.74	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,111.12	351.50
			For Class 52 Rating, Deduct	-173.64	
			For Class 54 Rating, Add	243.17	
			For Class 55 Rating, Add	364.80	
			For Class 56 Rating, Add	484.84	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,261.23	354.52
			For Class 52 Rating, Deduct	-189.65	
			For Class 54 Rating, Add	265.06	
			For Class 55 Rating, Add	397.37	
			For Class 56 Rating, Add	527.95	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,411.34	357.52
			For Class 52 Rating, Deduct	-205.66	
			For Class 54 Rating, Add	286.95	
			For Class 55 Rating, Add	429.93	
			For Class 56 Rating, Add	571.05	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,561.45	360.52
		For Class 52 Rating, Deduct	-221.67	
		For Class 54 Rating, Add	308.84	
		For Class 55 Rating, Add	462.50	
		For Class 56 Rating, Add	614.15	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,711.56	363.52
		For Class 52 Rating, Deduct	-237.68	
		For Class 54 Rating, Add	330.72	
		For Class 55 Rating, Add	495.07	
		For Class 56 Rating, Add	657.26	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,861.66	366.53
		For Class 52 Rating, Deduct	-253.70	
		For Class 54 Rating, Add	352.61	
		For Class 55 Rating, Add	527.64	
		For Class 56 Rating, Add	700.36	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,011.77	369.53
		For Class 52 Rating, Deduct	-269.71	
		For Class 54 Rating, Add	374.50	
		For Class 55 Rating, Add	560.21	
		For Class 56 Rating, Add	743.46	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,161.89	372.54
		For Class 52 Rating, Deduct	-285.72	
		For Class 54 Rating, Add	396.39	
		For Class 55 Rating, Add	592.78	
		For Class 56 Rating, Add	786.57	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,311.99	375.54
		For Class 52 Rating, Deduct	-301.73	
		For Class 54 Rating, Add	418.28	
		For Class 55 Rating, Add	625.34	
		For Class 56 Rating, Add	829.67	
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,462.10	378.55
		For Class 52 Rating, Deduct	-317.74	
		For Class 54 Rating, Add	440.17	
		For Class 55 Rating, Add	657.91	
		For Class 56 Rating, Add	872.77	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,612.21	381.54
		For Class 52 Rating, Deduct	-333.75	
		For Class 54 Rating, Add	462.05	
		For Class 55 Rating, Add	690.48	
		For Class 56 Rating, Add	915.87	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,762.32	384.55
		For Class 52 Rating, Deduct	-349.76	
		For Class 54 Rating, Add	483.94	
		For Class 55 Rating, Add	723.05	
		For Class 56 Rating, Add	958.98	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,912.43	387.55
		For Class 52 Rating, Deduct	-365.77	
		For Class 54 Rating, Add	505.83	
		For Class 55 Rating, Add	755.62	
		For Class 56 Rating, Add	1,002.08	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,062.54	390.57
		For Class 52 Rating, Deduct	-381.79	
		For Class 54 Rating, Add	527.72	
		For Class 55 Rating, Add	788.19	
		For Class 56 Rating, Add	1,045.18	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,212.64	393.56
		For Class 52 Rating, Deduct	-397.80	
		For Class 54 Rating, Add	549.61	
		For Class 55 Rating, Add	820.75	
		For Class 56 Rating, Add	1,088.28	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,362.76	396.57
		For Class 52 Rating, Deduct	-413.81	
		For Class 54 Rating, Add	571.49	
		For Class 55 Rating, Add	853.32	
		For Class 56 Rating, Add	1,131.39	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,512.87	399.58
		For Class 52 Rating, Deduct	-429.82	
		For Class 54 Rating, Add	593.38	
		For Class 55 Rating, Add	885.89	
		For Class 56 Rating, Add	1,174.49	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,662.97	402.57
		For Class 52 Rating, Deduct	-445.83	
		For Class 54 Rating, Add	615.27	
		For Class 55 Rating, Add	918.46	
		For Class 56 Rating, Add	1,217.59	

MINOR		DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI	UOM			
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,813.08	405.58
		For Class 52 Rating, Deduct	-461.84	
		For Class 54 Rating, Add	637.16	
		For Class 55 Rating, Add	951.03	
		For Class 56 Rating, Add	1,260.70	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,963.20	408.59
		For Class 52 Rating, Deduct	-477.85	
		For Class 54 Rating, Add	659.05	
		For Class 55 Rating, Add	983.60	
		For Class 56 Rating, Add	1,303.80	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,113.30	411.60
		For Class 52 Rating, Deduct	-493.86	
		For Class 54 Rating, Add	680.93	
		For Class 55 Rating, Add	1,016.16	
		For Class 56 Rating, Add	1,346.90	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,263.41	414.59
		For Class 52 Rating, Deduct	-509.88	
		For Class 54 Rating, Add	702.82	
		For Class 55 Rating, Add	1,048.73	
		For Class 56 Rating, Add	1,390.01	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,413.52	417.60
		For Class 52 Rating, Deduct	-525.89	
		For Class 54 Rating, Add	724.71	
		For Class 55 Rating, Add	1,081.30	
		For Class 56 Rating, Add	1,433.11	
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,563.62	420.60
		For Class 52 Rating, Deduct	-541.90	
		For Class 54 Rating, Add	746.60	
		For Class 55 Rating, Add	1,113.87	
		For Class 56 Rating, Add	1,476.21	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,713.73	423.62
		For Class 52 Rating, Deduct	-557.91	
		For Class 54 Rating, Add	768.49	
		For Class 55 Rating, Add	1,146.44	
		For Class 56 Rating, Add	1,519.32	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,863.84	426.61
		For Class 52 Rating, Deduct	-573.92	
		For Class 54 Rating, Add	790.38	
		For Class 55 Rating, Add	1,179.01	
		For Class 56 Rating, Add	1,562.42	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,013.95	429.62
		For Class 52 Rating, Deduct	-589.93	
		For Class 54 Rating, Add	812.26	
		For Class 55 Rating, Add	1,211.58	
		For Class 56 Rating, Add	1,605.52	
40 05 19 00-1182	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,164.06	432.63
		For Class 52 Rating, Deduct	-605.94	
		For Class 54 Rating, Add	834.15	
		For Class 55 Rating, Add	1,244.14	
		For Class 56 Rating, Add	1,648.63	
40 05 19 00-1183	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,314.17	435.62
		For Class 52 Rating, Deduct	-621.95	
		For Class 54 Rating, Add	856.04	
		For Class 55 Rating, Add	1,276.71	
		For Class 56 Rating, Add	1,691.73	
40 05 19 00-1184	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,464.28	438.63
		For Class 52 Rating, Deduct	-637.97	
		For Class 54 Rating, Add	877.93	
		For Class 55 Rating, Add	1,309.28	
		For Class 56 Rating, Add	1,734.83	
40 05 19 00-1185	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,614.38	441.64
		For Class 52 Rating, Deduct	-653.98	
		For Class 54 Rating, Add	899.82	
		For Class 55 Rating, Add	1,341.65	
		For Class 56 Rating, Add	1,777.93	
40 05 19 00-1186	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,764.49	444.65
		For Class 52 Rating, Deduct	-669.99	
		For Class 54 Rating, Add	921.70	
		For Class 55 Rating, Add	1,374.42	
		For Class 56 Rating, Add	1,821.04	
40 05 19 00-1187	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,914.61	447.64
		For Class 52 Rating, Deduct	-686.00	
		For Class 54 Rating, Add	943.59	
		For Class 55 Rating, Add	1,406.99	
		For Class 56 Rating, Add	1,864.14	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,064.71	450.65
		<i>For Class 52 Rating, Deduct</i>	-702.01	
		<i>For Class 54 Rating, Add</i>	965.48	
		<i>For Class 55 Rating, Add</i>	1,439.55	
		<i>For Class 56 Rating, Add</i>	1,907.24	

40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,771.62	420.60
		<i>For Class 52 Rating, Deduct</i>	-124.78	
		<i>For Class 54 Rating, Add</i>	177.80	
		<i>For Class 55 Rating, Add</i>	268.25	
		<i>For Class 56 Rating, Add</i>	357.57	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,959.37	423.62
		<i>For Class 52 Rating, Deduct</i>	-144.93	
		<i>For Class 54 Rating, Add</i>	205.33	
		<i>For Class 55 Rating, Add</i>	309.22	
		<i>For Class 56 Rating, Add</i>	411.78	
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,147.12	426.61
		<i>For Class 52 Rating, Deduct</i>	-165.08	
		<i>For Class 54 Rating, Add</i>	232.87	
		<i>For Class 55 Rating, Add</i>	350.18	
		<i>For Class 56 Rating, Add</i>	465.99	
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,334.87	429.62
		<i>For Class 52 Rating, Deduct</i>	-185.23	
		<i>For Class 54 Rating, Add</i>	260.40	
		<i>For Class 55 Rating, Add</i>	391.14	
		<i>For Class 56 Rating, Add</i>	520.20	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,522.63	432.63
		<i>For Class 52 Rating, Deduct</i>	-205.39	
		<i>For Class 54 Rating, Add</i>	287.94	
		<i>For Class 55 Rating, Add</i>	432.10	
		<i>For Class 56 Rating, Add</i>	574.40	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,710.38	435.62
		<i>For Class 52 Rating, Deduct</i>	-225.54	
		<i>For Class 54 Rating, Add</i>	315.47	
		<i>For Class 55 Rating, Add</i>	473.07	
		<i>For Class 56 Rating, Add</i>	628.61	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,898.13	438.63
		<i>For Class 52 Rating, Deduct</i>	-245.69	
		<i>For Class 54 Rating, Add</i>	343.01	
		<i>For Class 55 Rating, Add</i>	514.03	
		<i>For Class 56 Rating, Add</i>	682.82	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,085.88	441.64
		<i>For Class 52 Rating, Deduct</i>	-265.84	
		<i>For Class 54 Rating, Add</i>	370.54	
		<i>For Class 55 Rating, Add</i>	554.99	
		<i>For Class 56 Rating, Add</i>	737.03	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,273.64	444.65
		<i>For Class 52 Rating, Deduct</i>	-285.99	
		<i>For Class 54 Rating, Add</i>	398.08	
		<i>For Class 55 Rating, Add</i>	595.96	
		<i>For Class 56 Rating, Add</i>	791.24	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,461.40	447.64
		<i>For Class 52 Rating, Deduct</i>	-306.15	
		<i>For Class 54 Rating, Add</i>	425.61	
		<i>For Class 55 Rating, Add</i>	636.92	
		<i>For Class 56 Rating, Add</i>	845.45	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,649.15	450.65
		<i>For Class 52 Rating, Deduct</i>	-326.30	
		<i>For Class 54 Rating, Add</i>	453.15	
		<i>For Class 55 Rating, Add</i>	677.88	
		<i>For Class 56 Rating, Add</i>	899.65	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,836.90	453.65
		<i>For Class 52 Rating, Deduct</i>	-346.45	
		<i>For Class 54 Rating, Add</i>	480.68	
		<i>For Class 55 Rating, Add</i>	718.85	
		<i>For Class 56 Rating, Add</i>	953.86	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,024.65	456.65
		<i>For Class 52 Rating, Deduct</i>	-366.60	
		<i>For Class 54 Rating, Add</i>	508.22	
		<i>For Class 55 Rating, Add</i>	759.81	
		<i>For Class 56 Rating, Add</i>	1,008.07	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,212.41	459.66
		For Class 52 Rating, Deduct		-386.75	
		For Class 54 Rating, Add		535.75	
		For Class 55 Rating, Add		800.77	
		For Class 56 Rating, Add		1,062.28	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,400.16	462.67
		For Class 52 Rating, Deduct		-406.91	
		For Class 54 Rating, Add		563.28	
		For Class 55 Rating, Add		841.73	
		For Class 56 Rating, Add		1,116.49	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,587.91	465.67
		For Class 52 Rating, Deduct		-427.06	
		For Class 54 Rating, Add		590.82	
		For Class 55 Rating, Add		882.70	
		For Class 56 Rating, Add		1,170.69	
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,775.66	468.67
		For Class 52 Rating, Deduct		-447.21	
		For Class 54 Rating, Add		618.35	
		For Class 55 Rating, Add		923.66	
		For Class 56 Rating, Add		1,224.90	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		4,963.42	471.67
		For Class 52 Rating, Deduct		-467.36	
		For Class 54 Rating, Add		645.89	
		For Class 55 Rating, Add		964.62	
		For Class 56 Rating, Add		1,279.11	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,151.17	474.69
		For Class 52 Rating, Deduct		-487.51	
		For Class 54 Rating, Add		673.42	
		For Class 55 Rating, Add		1,005.59	
		For Class 56 Rating, Add		1,333.32	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,338.92	477.69
		For Class 52 Rating, Deduct		-507.67	
		For Class 54 Rating, Add		700.96	
		For Class 55 Rating, Add		1,046.55	
		For Class 56 Rating, Add		1,387.52	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,526.68	480.69
		For Class 52 Rating, Deduct		-527.82	
		For Class 54 Rating, Add		728.49	
		For Class 55 Rating, Add		1,087.51	
		For Class 56 Rating, Add		1,441.74	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,714.44	483.70
		For Class 52 Rating, Deduct		-547.97	
		For Class 54 Rating, Add		756.03	
		For Class 55 Rating, Add		1,128.48	
		For Class 56 Rating, Add		1,495.94	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		5,902.19	486.70
		For Class 52 Rating, Deduct		-568.12	
		For Class 54 Rating, Add		783.56	
		For Class 55 Rating, Add		1,169.44	
		For Class 56 Rating, Add		1,550.15	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,089.94	489.70
		For Class 52 Rating, Deduct		-588.28	
		For Class 54 Rating, Add		811.10	
		For Class 55 Rating, Add		1,210.40	
		For Class 56 Rating, Add		1,604.36	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,277.69	492.71
		For Class 52 Rating, Deduct		-608.43	
		For Class 54 Rating, Add		838.63	
		For Class 55 Rating, Add		1,251.37	
		For Class 56 Rating, Add		1,658.57	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,465.44	495.72
		For Class 52 Rating, Deduct		-628.58	
		For Class 54 Rating, Add		866.17	
		For Class 55 Rating, Add		1,292.33	
		For Class 56 Rating, Add		1,712.78	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,653.19	498.72
		For Class 52 Rating, Deduct		-648.73	
		For Class 54 Rating, Add		893.70	
		For Class 55 Rating, Add		1,333.29	
		For Class 56 Rating, Add		1,766.98	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		6,840.94	501.72
		For Class 52 Rating, Deduct		-668.88	
		For Class 54 Rating, Add		921.24	
		For Class 55 Rating, Add		1,374.25	
		For Class 56 Rating, Add		1,821.19	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-1218	EA 12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,028.69		504.72
	For Class 52 Rating, Deduct	-689.04		
	For Class 54 Rating, Add	948.77		
	For Class 55 Rating, Add	1,415.22		
	For Class 56 Rating, Add	1,875.40		
40 05 19 00-1219	EA 12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,216.45		507.73
	For Class 52 Rating, Deduct	-709.19		
	For Class 54 Rating, Add	976.31		
	For Class 55 Rating, Add	1,456.18		
	For Class 56 Rating, Add	1,929.61		
40 05 19 00-1220	EA 12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,404.20		510.72
	For Class 52 Rating, Deduct	-729.34		
	For Class 54 Rating, Add	1,003.84		
	For Class 55 Rating, Add	1,497.14		
	For Class 56 Rating, Add	1,983.81		
40 05 19 00-1221	EA 12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,591.95		513.74
	For Class 52 Rating, Deduct	-749.49		
	For Class 54 Rating, Add	1,031.37		
	For Class 55 Rating, Add	1,538.11		
	For Class 56 Rating, Add	2,038.02		
40 05 19 00-1222	EA 12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,779.70		516.75
	For Class 52 Rating, Deduct	-769.64		
	For Class 54 Rating, Add	1,058.91		
	For Class 55 Rating, Add	1,579.07		
	For Class 56 Rating, Add	2,092.23		
40 05 19 00-1223	EA 12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,967.46		519.75
	For Class 52 Rating, Deduct	-789.80		
	For Class 54 Rating, Add	1,086.45		
	For Class 55 Rating, Add	1,620.03		
	For Class 56 Rating, Add	2,146.44		
40 05 19 00-1224	EA 12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,155.22		522.75
	For Class 52 Rating, Deduct	-809.95		
	For Class 54 Rating, Add	1,113.98		
	For Class 55 Rating, Add	1,661.00		
	For Class 56 Rating, Add	2,200.65		
40 05 19 00-1225	EA 12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,342.97		525.75
	For Class 52 Rating, Deduct	-830.10		
	For Class 54 Rating, Add	1,141.51		
	For Class 55 Rating, Add	1,701.96		
	For Class 56 Rating, Add	2,254.86		
40 05 19 00-1226	EA 12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,530.72		528.77
	For Class 52 Rating, Deduct	-850.25		
	For Class 54 Rating, Add	1,169.05		
	For Class 55 Rating, Add	1,742.92		
	For Class 56 Rating, Add	2,309.06		
40 05 19 00-1227	EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,718.47		531.76
	For Class 52 Rating, Deduct	-870.40		
	For Class 54 Rating, Add	1,196.58		
	For Class 55 Rating, Add	1,783.88		
	For Class 56 Rating, Add	2,363.27		
40 05 19 00-1228	EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,906.23		534.77
	For Class 52 Rating, Deduct	-890.56		
	For Class 54 Rating, Add	1,224.12		
	For Class 55 Rating, Add	1,824.85		
	For Class 56 Rating, Add	2,417.48		
40 05 19 00-1229	14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)			
40 05 19 00-1230	EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,383.42		504.72
	For Class 52 Rating, Deduct	-178.06		
	For Class 54 Rating, Add	251.98		
	For Class 55 Rating, Add	379.32		
	For Class 56 Rating, Add	505.04		
40 05 19 00-1231	EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,611.34		507.73
	For Class 52 Rating, Deduct	-202.63		
	For Class 54 Rating, Add	285.54		
	For Class 55 Rating, Add	429.24		
	For Class 56 Rating, Add	571.10		
40 05 19 00-1232	EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,839.24		510.72
	For Class 52 Rating, Deduct	-227.19		
	For Class 54 Rating, Add	319.10		
	For Class 55 Rating, Add	479.16		
	For Class 56 Rating, Add	637.15		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1233	EA		14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,067.15	513.74
			For Class 52 Rating, Deduct	-251.76	
			For Class 54 Rating, Add	352.65	
			For Class 55 Rating, Add	529.07	
			For Class 56 Rating, Add	703.21	
40 05 19 00-1234	EA		14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,295.05	516.75
			For Class 52 Rating, Deduct	-276.33	
			For Class 54 Rating, Add	386.21	
			For Class 55 Rating, Add	578.99	
			For Class 56 Rating, Add	769.26	
40 05 19 00-1235	EA		14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,522.95	519.75
			For Class 52 Rating, Deduct	-300.90	
			For Class 54 Rating, Add	419.77	
			For Class 55 Rating, Add	628.91	
			For Class 56 Rating, Add	835.31	
40 05 19 00-1236	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,750.87	522.75
			For Class 52 Rating, Deduct	-325.47	
			For Class 54 Rating, Add	453.33	
			For Class 55 Rating, Add	678.63	
			For Class 56 Rating, Add	901.37	
40 05 19 00-1237	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,978.77	525.75
			For Class 52 Rating, Deduct	-350.04	
			For Class 54 Rating, Add	486.88	
			For Class 55 Rating, Add	728.74	
			For Class 56 Rating, Add	967.42	
40 05 19 00-1238	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,206.68	528.77
			For Class 52 Rating, Deduct	-374.61	
			For Class 54 Rating, Add	520.44	
			For Class 55 Rating, Add	778.66	
			For Class 56 Rating, Add	1,033.47	
40 05 19 00-1239	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,434.58	531.76
			For Class 52 Rating, Deduct	-399.18	
			For Class 54 Rating, Add	554.00	
			For Class 55 Rating, Add	828.58	
			For Class 56 Rating, Add	1,099.52	
40 05 19 00-1240	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,662.50	534.77
			For Class 52 Rating, Deduct	-423.75	
			For Class 54 Rating, Add	587.56	
			For Class 55 Rating, Add	878.50	
			For Class 56 Rating, Add	1,165.58	
40 05 19 00-1241	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,890.40	537.77
			For Class 52 Rating, Deduct	-448.31	
			For Class 54 Rating, Add	621.12	
			For Class 55 Rating, Add	928.41	
			For Class 56 Rating, Add	1,231.63	
40 05 19 00-1242	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,118.30	540.78
			For Class 52 Rating, Deduct	-472.88	
			For Class 54 Rating, Add	654.67	
			For Class 55 Rating, Add	978.33	
			For Class 56 Rating, Add	1,297.68	
40 05 19 00-1243	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,346.21	543.77
			For Class 52 Rating, Deduct	-497.45	
			For Class 54 Rating, Add	688.23	
			For Class 55 Rating, Add	1,028.25	
			For Class 56 Rating, Add	1,363.74	
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,574.12	546.79
			For Class 52 Rating, Deduct	-522.02	
			For Class 54 Rating, Add	721.79	
			For Class 55 Rating, Add	1,078.16	
			For Class 56 Rating, Add	1,429.79	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,802.03	549.80
			For Class 52 Rating, Deduct	-546.59	
			For Class 54 Rating, Add	755.35	
			For Class 55 Rating, Add	1,128.08	
			For Class 56 Rating, Add	1,495.85	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,029.93	552.79
			For Class 52 Rating, Deduct	-571.16	
			For Class 54 Rating, Add	788.90	
			For Class 55 Rating, Add	1,178.00	
			For Class 56 Rating, Add	1,561.90	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,257.84	555.80
			For Class 52 Rating, Deduct	-595.73	
			For Class 54 Rating, Add	822.46	
			For Class 55 Rating, Add	1,227.92	
			For Class 56 Rating, Add	1,627.95	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,485.75		558.80	
		For Class 52 Rating, Deduct	-620.30			
		For Class 54 Rating, Add	856.02			
		For Class 55 Rating, Add	1,277.83			
		For Class 56 Rating, Add	1,694.01			
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,713.66		561.82	
		For Class 52 Rating, Deduct	-644.87			
		For Class 54 Rating, Add	889.58			
		For Class 55 Rating, Add	1,327.75			
		For Class 56 Rating, Add	1,760.06			
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,941.56		564.81	
		For Class 52 Rating, Deduct	-669.44			
		For Class 54 Rating, Add	923.14			
		For Class 55 Rating, Add	1,377.67			
		For Class 56 Rating, Add	1,826.11			
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,169.46		567.82	
		For Class 52 Rating, Deduct	-694.00			
		For Class 54 Rating, Add	956.69			
		For Class 55 Rating, Add	1,427.58			
		For Class 56 Rating, Add	1,892.17			
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,397.37		570.82	
		For Class 52 Rating, Deduct	-718.57			
		For Class 54 Rating, Add	990.25			
		For Class 55 Rating, Add	1,477.50			
		For Class 56 Rating, Add	1,958.22			
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,625.27		573.83	
		For Class 52 Rating, Deduct	-743.14			
		For Class 54 Rating, Add	1,023.81			
		For Class 55 Rating, Add	1,527.42			
		For Class 56 Rating, Add	2,024.27			
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,853.18		576.82	
		For Class 52 Rating, Deduct	-767.71			
		For Class 54 Rating, Add	1,057.37			
		For Class 55 Rating, Add	1,577.34			
		For Class 56 Rating, Add	2,090.33			
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,081.08		579.84	
		For Class 52 Rating, Deduct	-792.28			
		For Class 54 Rating, Add	1,090.92			
		For Class 55 Rating, Add	1,627.25			
		For Class 56 Rating, Add	2,156.38			
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,308.99		582.84	
		For Class 52 Rating, Deduct	-816.85			
		For Class 54 Rating, Add	1,124.48			
		For Class 55 Rating, Add	1,677.17			
		For Class 56 Rating, Add	2,222.43			
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,536.90		585.84	
		For Class 52 Rating, Deduct	-841.42			
		For Class 54 Rating, Add	1,158.04			
		For Class 55 Rating, Add	1,727.09			
		For Class 56 Rating, Add	2,288.49			
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,764.81		588.84	
		For Class 52 Rating, Deduct	-865.99			
		For Class 54 Rating, Add	1,191.60			
		For Class 55 Rating, Add	1,777.01			
		For Class 56 Rating, Add	2,354.54			
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,992.71		591.85	
		For Class 52 Rating, Deduct	-890.56			
		For Class 54 Rating, Add	1,225.16			
		For Class 55 Rating, Add	1,826.92			
		For Class 56 Rating, Add	2,420.59			
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,220.61		594.87	
		For Class 52 Rating, Deduct	-915.13			
		For Class 54 Rating, Add	1,258.71			
		For Class 55 Rating, Add	1,876.84			
		For Class 56 Rating, Add	2,486.65			
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,448.53		597.86	
		For Class 52 Rating, Deduct	-939.69			
		For Class 54 Rating, Add	1,292.27			
		For Class 55 Rating, Add	1,926.76			
		For Class 56 Rating, Add	2,552.70			
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,676.43		600.87	
		For Class 52 Rating, Deduct	-964.26			
		For Class 54 Rating, Add	1,325.83			
		For Class 55 Rating, Add	1,976.67			
		For Class 56 Rating, Add	2,618.75			

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,904.34	603.87
		For Class 52 Rating, Deduct	-988.83	
		For Class 54 Rating, Add	1,359.39	
		For Class 55 Rating, Add	2,026.59	
		For Class 56 Rating, Add	2,684.81	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,132.24	606.87
		For Class 52 Rating, Deduct	-1,013.40	
		For Class 54 Rating, Add	1,392.95	
		For Class 55 Rating, Add	2,076.51	
		For Class 56 Rating, Add	2,750.86	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,360.16	609.87
		For Class 52 Rating, Deduct	-1,037.97	
		For Class 54 Rating, Add	1,426.50	
		For Class 55 Rating, Add	2,126.43	
		For Class 56 Rating, Add	2,816.92	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,588.06	612.89
		For Class 52 Rating, Deduct	-1,062.54	
		For Class 54 Rating, Add	1,460.06	
		For Class 55 Rating, Add	2,176.34	
		For Class 56 Rating, Add	2,882.97	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,815.96	615.89
		For Class 52 Rating, Deduct	-1,087.11	
		For Class 54 Rating, Add	1,493.62	
		For Class 55 Rating, Add	2,226.26	
		For Class 56 Rating, Add	2,949.02	
40 05 19 00-1268		16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,788.80	576.82
		For Class 52 Rating, Deduct	-210.63	
		For Class 54 Rating, Add	297.71	
		For Class 55 Rating, Add	447.98	
		For Class 56 Rating, Add	596.34	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,054.35	579.84
		For Class 52 Rating, Deduct	-239.34	
		For Class 54 Rating, Add	336.92	
		For Class 55 Rating, Add	506.29	
		For Class 56 Rating, Add	673.49	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,319.90	582.84
		For Class 52 Rating, Deduct	-268.05	
		For Class 54 Rating, Add	376.12	
		For Class 55 Rating, Add	564.60	
		For Class 56 Rating, Add	750.65	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,585.46	585.84
		For Class 52 Rating, Deduct	-296.76	
		For Class 54 Rating, Add	415.32	
		For Class 55 Rating, Add	622.92	
		For Class 56 Rating, Add	827.81	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,851.01	588.84
		For Class 52 Rating, Deduct	-325.47	
		For Class 54 Rating, Add	454.53	
		For Class 55 Rating, Add	681.23	
		For Class 56 Rating, Add	904.97	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,116.56	591.85
		For Class 52 Rating, Deduct	-354.18	
		For Class 54 Rating, Add	493.73	
		For Class 55 Rating, Add	739.54	
		For Class 56 Rating, Add	982.13	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,382.11	594.87
		For Class 52 Rating, Deduct	-382.89	
		For Class 54 Rating, Add	532.94	
		For Class 55 Rating, Add	797.85	
		For Class 56 Rating, Add	1,059.29	
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,647.66	597.86
		For Class 52 Rating, Deduct	-411.60	
		For Class 54 Rating, Add	572.14	
		For Class 55 Rating, Add	856.16	
		For Class 56 Rating, Add	1,136.44	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,913.21	600.87
		For Class 52 Rating, Deduct	-440.31	
		For Class 54 Rating, Add	611.35	
		For Class 55 Rating, Add	914.48	
		For Class 56 Rating, Add	1,213.60	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,178.76	603.87
		For Class 52 Rating, Deduct	-469.02	
		For Class 54 Rating, Add	650.55	
		For Class 55 Rating, Add	972.79	
		For Class 56 Rating, Add	1,290.76	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,444.31	606.87
		For Class 52 Rating, Deduct	-497.73	
		For Class 54 Rating, Add	689.76	
		For Class 55 Rating, Add	1,031.10	
		For Class 56 Rating, Add	1,367.92	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,709.87	609.87
		For Class 52 Rating, Deduct	-526.44	
		For Class 54 Rating, Add	728.96	
		For Class 55 Rating, Add	1,089.41	
		For Class 56 Rating, Add	1,445.08	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,975.42	612.89
		For Class 52 Rating, Deduct	-555.15	
		For Class 54 Rating, Add	768.16	
		For Class 55 Rating, Add	1,147.73	
		For Class 56 Rating, Add	1,522.24	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,240.96	615.89
		For Class 52 Rating, Deduct	-583.86	
		For Class 54 Rating, Add	807.37	
		For Class 55 Rating, Add	1,206.04	
		For Class 56 Rating, Add	1,599.39	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,506.51	618.89
		For Class 52 Rating, Deduct	-612.57	
		For Class 54 Rating, Add	846.57	
		For Class 55 Rating, Add	1,264.35	
		For Class 56 Rating, Add	1,676.55	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,772.07	621.89
		For Class 52 Rating, Deduct	-641.28	
		For Class 54 Rating, Add	885.78	
		For Class 55 Rating, Add	1,322.66	
		For Class 56 Rating, Add	1,753.71	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,037.62	624.90
		For Class 52 Rating, Deduct	-669.99	
		For Class 54 Rating, Add	924.98	
		For Class 55 Rating, Add	1,380.97	
		For Class 56 Rating, Add	1,830.87	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,303.17	627.89
		For Class 52 Rating, Deduct	-698.70	
		For Class 54 Rating, Add	964.19	
		For Class 55 Rating, Add	1,439.28	
		For Class 56 Rating, Add	1,908.03	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,568.72	630.90
		For Class 52 Rating, Deduct	-727.41	
		For Class 54 Rating, Add	1,003.39	
		For Class 55 Rating, Add	1,497.60	
		For Class 56 Rating, Add	1,985.19	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,834.27	633.92
		For Class 52 Rating, Deduct	-756.12	
		For Class 54 Rating, Add	1,042.59	
		For Class 55 Rating, Add	1,555.91	
		For Class 56 Rating, Add	2,062.35	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,099.82	636.92
		For Class 52 Rating, Deduct	-784.83	
		For Class 54 Rating, Add	1,081.80	
		For Class 55 Rating, Add	1,614.22	
		For Class 56 Rating, Add	2,139.50	
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,365.37	639.92
		For Class 52 Rating, Deduct	-813.54	
		For Class 54 Rating, Add	1,121.00	
		For Class 55 Rating, Add	1,672.53	
		For Class 56 Rating, Add	2,216.66	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,630.92	642.92
		For Class 52 Rating, Deduct	-842.25	
		For Class 54 Rating, Add	1,160.21	
		For Class 55 Rating, Add	1,730.84	
		For Class 56 Rating, Add	2,293.82	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,896.48	645.93
		For Class 52 Rating, Deduct	-870.96	
		For Class 54 Rating, Add	1,199.41	
		For Class 55 Rating, Add	1,789.16	
		For Class 56 Rating, Add	2,370.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,162.02	648.94
			For Class 52 Rating, Deduct	-899.67	
			For Class 54 Rating, Add	1,238.62	
			For Class 55 Rating, Add	1,847.47	
			For Class 56 Rating, Add	2,448.14	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,427.56	651.94
			For Class 52 Rating, Deduct	-928.38	
			For Class 54 Rating, Add	1,277.82	
			For Class 55 Rating, Add	1,905.78	
			For Class 56 Rating, Add	2,525.30	
40 05 19 00-1295	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,693.11	654.94
			For Class 52 Rating, Deduct	-957.09	
			For Class 54 Rating, Add	1,317.02	
			For Class 55 Rating, Add	1,964.09	
			For Class 56 Rating, Add	2,602.45	
40 05 19 00-1296	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,958.66	657.95
			For Class 52 Rating, Deduct	-985.80	
			For Class 54 Rating, Add	1,356.23	
			For Class 55 Rating, Add	2,022.40	
			For Class 56 Rating, Add	2,679.61	
40 05 19 00-1297	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,224.22	660.94
			For Class 52 Rating, Deduct	-1,014.51	
			For Class 54 Rating, Add	1,395.43	
			For Class 55 Rating, Add	2,080.71	
			For Class 56 Rating, Add	2,756.77	
40 05 19 00-1298	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,489.77	663.95
			For Class 52 Rating, Deduct	-1,043.22	
			For Class 54 Rating, Add	1,434.64	
			For Class 55 Rating, Add	2,139.03	
			For Class 56 Rating, Add	2,833.93	
40 05 19 00-1299	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,755.32	666.97
			For Class 52 Rating, Deduct	-1,071.93	
			For Class 54 Rating, Add	1,473.84	
			For Class 55 Rating, Add	2,197.34	
			For Class 56 Rating, Add	2,911.09	
40 05 19 00-1300	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,020.87	669.97
			For Class 52 Rating, Deduct	-1,100.64	
			For Class 54 Rating, Add	1,513.05	
			For Class 55 Rating, Add	2,255.65	
			For Class 56 Rating, Add	2,988.25	
40 05 19 00-1301	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,286.42	672.97
			For Class 52 Rating, Deduct	-1,129.34	
			For Class 54 Rating, Add	1,552.25	
			For Class 55 Rating, Add	2,313.96	
			For Class 56 Rating, Add	3,065.40	
40 05 19 00-1302	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,551.97	675.97
			For Class 52 Rating, Deduct	-1,158.05	
			For Class 54 Rating, Add	1,591.46	
			For Class 55 Rating, Add	2,372.27	
			For Class 56 Rating, Add	3,142.56	
40 05 19 00-1303	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,817.52	678.98
			For Class 52 Rating, Deduct	-1,186.76	
			For Class 54 Rating, Add	1,630.66	
			For Class 55 Rating, Add	2,430.59	
			For Class 56 Rating, Add	3,219.72	
40 05 19 00-1304	EA		16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,083.07	681.97
			For Class 52 Rating, Deduct	-1,215.47	
			For Class 54 Rating, Add	1,669.87	
			For Class 55 Rating, Add	2,488.90	
			For Class 56 Rating, Add	3,296.88	
40 05 19 00-1305	EA		16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,348.63	684.99
			For Class 52 Rating, Deduct	-1,244.18	
			For Class 54 Rating, Add	1,709.07	
			For Class 55 Rating, Add	2,547.21	
			For Class 56 Rating, Add	3,374.04	
40 05 19 00-1306	EA		16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,614.18	687.99
			For Class 52 Rating, Deduct	-1,272.89	
			For Class 54 Rating, Add	1,748.27	
			For Class 55 Rating, Add	2,605.52	
			For Class 56 Rating, Add	3,451.20	

40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,231.14	650.14
		For Class 52 Rating, Deduct	-247.07	
		For Class 54 Rating, Add	348.73	
		For Class 55 Rating, Add	524.52	
		For Class 56 Rating, Add	698.06	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,536.84	653.14
		For Class 52 Rating, Deduct	-280.20	
		For Class 54 Rating, Add	393.96	
		For Class 55 Rating, Add	591.78	
		For Class 56 Rating, Add	787.06	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,842.56	656.14
		For Class 52 Rating, Deduct	-313.32	
		For Class 54 Rating, Add	439.19	
		For Class 55 Rating, Add	659.05	
		For Class 56 Rating, Add	876.07	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,148.26	659.15
		For Class 52 Rating, Deduct	-346.45	
		For Class 54 Rating, Add	484.42	
		For Class 55 Rating, Add	726.32	
		For Class 56 Rating, Add	965.07	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,453.96	662.16
		For Class 52 Rating, Deduct	-379.58	
		For Class 54 Rating, Add	529.64	
		For Class 55 Rating, Add	793.58	
		For Class 56 Rating, Add	1,054.07	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,759.66	665.15
		For Class 52 Rating, Deduct	-412.70	
		For Class 54 Rating, Add	574.87	
		For Class 55 Rating, Add	860.85	
		For Class 56 Rating, Add	1,143.08	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,065.37	668.16
		For Class 52 Rating, Deduct	-445.83	
		For Class 54 Rating, Add	620.10	
		For Class 55 Rating, Add	928.12	
		For Class 56 Rating, Add	1,232.08	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,371.08	671.16
		For Class 52 Rating, Deduct	-478.96	
		For Class 54 Rating, Add	665.33	
		For Class 55 Rating, Add	995.38	
		For Class 56 Rating, Add	1,321.09	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,676.78	674.18
		For Class 52 Rating, Deduct	-512.08	
		For Class 54 Rating, Add	710.55	
		For Class 55 Rating, Add	1,062.65	
		For Class 56 Rating, Add	1,410.09	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,982.48	677.17
		For Class 52 Rating, Deduct	-545.21	
		For Class 54 Rating, Add	755.78	
		For Class 55 Rating, Add	1,129.92	
		For Class 56 Rating, Add	1,499.09	
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,288.18	680.18
		For Class 52 Rating, Deduct	-578.34	
		For Class 54 Rating, Add	801.01	
		For Class 55 Rating, Add	1,197.18	
		For Class 56 Rating, Add	1,588.10	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,593.89	683.19
		For Class 52 Rating, Deduct	-611.46	
		For Class 54 Rating, Add	846.24	
		For Class 55 Rating, Add	1,264.45	
		For Class 56 Rating, Add	1,677.10	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,899.60	686.18
		For Class 52 Rating, Deduct	-644.59	
		For Class 54 Rating, Add	891.46	
		For Class 55 Rating, Add	1,331.71	
		For Class 56 Rating, Add	1,766.10	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,205.30	689.19
		For Class 52 Rating, Deduct	-677.72	
		For Class 54 Rating, Add	936.69	
		For Class 55 Rating, Add	1,398.98	
		For Class 56 Rating, Add	1,855.11	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,511.00	692.19
		For Class 52 Rating, Deduct	-710.84	
		For Class 54 Rating, Add	981.92	
		For Class 55 Rating, Add	1,466.25	
		For Class 56 Rating, Add	1,944.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,816.71	695.21
			For Class 52 Rating, Deduct	-743.97	
			For Class 54 Rating, Add	1,027.15	
			For Class 55 Rating, Add	1,533.51	
			For Class 56 Rating, Add	2,033.11	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,122.41	698.20
			For Class 52 Rating, Deduct	-777.10	
			For Class 54 Rating, Add	1,072.37	
			For Class 55 Rating, Add	1,600.78	
			For Class 56 Rating, Add	2,122.12	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,428.12	701.21
			For Class 52 Rating, Deduct	-810.22	
			For Class 54 Rating, Add	1,117.60	
			For Class 55 Rating, Add	1,668.05	
			For Class 56 Rating, Add	2,211.12	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,733.82	704.21
			For Class 52 Rating, Deduct	-843.35	
			For Class 54 Rating, Add	1,162.83	
			For Class 55 Rating, Add	1,735.31	
			For Class 56 Rating, Add	2,300.13	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,039.53	707.21
			For Class 52 Rating, Deduct	-876.48	
			For Class 54 Rating, Add	1,208.06	
			For Class 55 Rating, Add	1,802.58	
			For Class 56 Rating, Add	2,389.13	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,345.23	710.21
			For Class 52 Rating, Deduct	-909.60	
			For Class 54 Rating, Add	1,253.28	
			For Class 55 Rating, Add	1,869.84	
			For Class 56 Rating, Add	2,478.13	
40 05 19 00-1329	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,650.93	713.23
			For Class 52 Rating, Deduct	-942.73	
			For Class 54 Rating, Add	1,298.51	
			For Class 55 Rating, Add	1,937.11	
			For Class 56 Rating, Add	2,567.14	
40 05 19 00-1330	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,956.64	716.24
			For Class 52 Rating, Deduct	-975.86	
			For Class 54 Rating, Add	1,343.74	
			For Class 55 Rating, Add	2,004.38	
			For Class 56 Rating, Add	2,656.14	
40 05 19 00-1331	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,262.35	719.23
			For Class 52 Rating, Deduct	-1,008.98	
			For Class 54 Rating, Add	1,388.97	
			For Class 55 Rating, Add	2,071.64	
			For Class 56 Rating, Add	2,745.15	
40 05 19 00-1332	EA		18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,568.05	722.24
			For Class 52 Rating, Deduct	-1,042.11	
			For Class 54 Rating, Add	1,434.19	
			For Class 55 Rating, Add	2,138.91	
			For Class 56 Rating, Add	2,834.15	
40 05 19 00-1333	EA		18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,873.75	725.24
			For Class 52 Rating, Deduct	-1,075.24	
			For Class 54 Rating, Add	1,479.42	
			For Class 55 Rating, Add	2,206.17	
			For Class 56 Rating, Add	2,923.15	
40 05 19 00-1334	EA		18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,179.44	728.26
			For Class 52 Rating, Deduct	-1,108.36	
			For Class 54 Rating, Add	1,524.65	
			For Class 55 Rating, Add	2,273.44	
			For Class 56 Rating, Add	3,012.15	
40 05 19 00-1335	EA		18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,485.16	731.25
			For Class 52 Rating, Deduct	-1,141.49	
			For Class 54 Rating, Add	1,569.88	
			For Class 55 Rating, Add	2,340.71	
			For Class 56 Rating, Add	3,101.16	
40 05 19 00-1336	EA		18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,790.86	734.26
			For Class 52 Rating, Deduct	-1,174.62	
			For Class 54 Rating, Add	1,615.10	
			For Class 55 Rating, Add	2,407.97	
			For Class 56 Rating, Add	3,190.16	
40 05 19 00-1337	EA		18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,096.56	737.26
			For Class 52 Rating, Deduct	-1,207.75	
			For Class 54 Rating, Add	1,660.33	
			For Class 55 Rating, Add	2,475.24	
			For Class 56 Rating, Add	3,279.17	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,402.26	740.26
		For Class 52 Rating, Deduct	-1,240.87	
		For Class 54 Rating, Add	1,705.56	
		For Class 55 Rating, Add	2,542.50	
		For Class 56 Rating, Add	3,368.17	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,707.97	743.26
		For Class 52 Rating, Deduct	-1,274.00	
		For Class 54 Rating, Add	1,750.78	
		For Class 55 Rating, Add	2,609.77	
		For Class 56 Rating, Add	3,457.17	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,013.68	746.28
		For Class 52 Rating, Deduct	-1,307.13	
		For Class 54 Rating, Add	1,796.01	
		For Class 55 Rating, Add	2,677.04	
		For Class 56 Rating, Add	3,546.18	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,319.38	749.28
		For Class 52 Rating, Deduct	-1,340.25	
		For Class 54 Rating, Add	1,841.24	
		For Class 55 Rating, Add	2,744.30	
		For Class 56 Rating, Add	3,635.18	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,625.08	752.28
		For Class 52 Rating, Deduct	-1,373.38	
		For Class 54 Rating, Add	1,886.47	
		For Class 55 Rating, Add	2,811.57	
		For Class 56 Rating, Add	3,724.19	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,930.78	755.28
		For Class 52 Rating, Deduct	-1,406.51	
		For Class 54 Rating, Add	1,931.69	
		For Class 55 Rating, Add	2,878.83	
		For Class 56 Rating, Add	3,813.19	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,236.49	758.29
		For Class 52 Rating, Deduct	-1,439.63	
		For Class 54 Rating, Add	1,976.92	
		For Class 55 Rating, Add	2,946.10	
		For Class 56 Rating, Add	3,902.19	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,542.20	761.29
		For Class 52 Rating, Deduct	-1,472.76	
		For Class 54 Rating, Add	2,022.15	
		For Class 55 Rating, Add	3,013.37	
		For Class 56 Rating, Add	3,991.20	

40 05 19 00-1346 20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-1028)

40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,769.46	742.07
		For Class 52 Rating, Deduct	-290.96	
		For Class 54 Rating, Add	410.26	
		For Class 55 Rating, Add	616.85	
		For Class 56 Rating, Add	820.79	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,120.33	745.08
		For Class 52 Rating, Deduct	-329.06	
		For Class 54 Rating, Add	462.26	
		For Class 55 Rating, Add	694.18	
		For Class 56 Rating, Add	923.11	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,471.22	748.07
		For Class 52 Rating, Deduct	-367.15	
		For Class 54 Rating, Add	514.27	
		For Class 55 Rating, Add	771.53	
		For Class 56 Rating, Add	1,025.45	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,822.09	751.08
		For Class 52 Rating, Deduct	-405.25	
		For Class 54 Rating, Add	566.27	
		For Class 55 Rating, Add	848.86	
		For Class 56 Rating, Add	1,127.77	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,172.97	754.09
		For Class 52 Rating, Deduct	-443.35	
		For Class 54 Rating, Add	618.27	
		For Class 55 Rating, Add	926.20	
		For Class 56 Rating, Add	1,230.11	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,523.84	757.09
		For Class 52 Rating, Deduct	-481.44	
		For Class 54 Rating, Add	670.28	
		For Class 55 Rating, Add	1,003.54	
		For Class 56 Rating, Add	1,332.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	5,874.73	760.09
			For Class 52 Rating, Deduct	-519.54	
			For Class 54 Rating, Add	722.28	
			For Class 55 Rating, Add	1,080.88	
			For Class 56 Rating, Add	1,434.77	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,225.60	763.10
			For Class 52 Rating, Deduct	-557.63	
			For Class 54 Rating, Add	774.28	
			For Class 55 Rating, Add	1,158.22	
			For Class 56 Rating, Add	1,537.09	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,576.48	766.10
			For Class 52 Rating, Deduct	-595.73	
			For Class 54 Rating, Add	826.29	
			For Class 55 Rating, Add	1,235.56	
			For Class 56 Rating, Add	1,639.42	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	6,927.35	769.10
			For Class 52 Rating, Deduct	-633.82	
			For Class 54 Rating, Add	878.29	
			For Class 55 Rating, Add	1,312.90	
			For Class 56 Rating, Add	1,741.75	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,278.24	772.11
			For Class 52 Rating, Deduct	-671.92	
			For Class 54 Rating, Add	930.29	
			For Class 55 Rating, Add	1,390.24	
			For Class 56 Rating, Add	1,844.08	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,629.11	775.12
			For Class 52 Rating, Deduct	-710.02	
			For Class 54 Rating, Add	982.30	
			For Class 55 Rating, Add	1,467.58	
			For Class 56 Rating, Add	1,946.41	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	7,979.99	778.11
			For Class 52 Rating, Deduct	-748.11	
			For Class 54 Rating, Add	1,034.30	
			For Class 55 Rating, Add	1,544.92	
			For Class 56 Rating, Add	2,048.74	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	8,330.86	781.12
			For Class 52 Rating, Deduct	-786.21	
			For Class 54 Rating, Add	1,086.30	
			For Class 55 Rating, Add	1,622.26	
			For Class 56 Rating, Add	2,151.07	
40 05 19 00-1361	EA		20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	8,681.75	784.12
			For Class 52 Rating, Deduct	-824.30	
			For Class 54 Rating, Add	1,138.31	
			For Class 55 Rating, Add	1,699.60	
			For Class 56 Rating, Add	2,253.40	
40 05 19 00-1362	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	9,032.62	787.14
			For Class 52 Rating, Deduct	-862.40	
			For Class 54 Rating, Add	1,190.31	
			For Class 55 Rating, Add	1,776.94	
			For Class 56 Rating, Add	2,355.73	
40 05 19 00-1363	EA		20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	9,383.50	790.14
			For Class 52 Rating, Deduct	-900.50	
			For Class 54 Rating, Add	1,242.31	
			For Class 55 Rating, Add	1,854.28	
			For Class 56 Rating, Add	2,458.06	
40 05 19 00-1364	EA		20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
			Pipe	9,734.37	793.14
			For Class 52 Rating, Deduct	-938.59	
			For Class 54 Rating, Add	1,294.32	
			For Class 55 Rating, Add	1,931.62	
			For Class 56 Rating, Add	2,560.39	
40 05 19 00-1365	EA		20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			Pipe	10,085.25	796.15
			For Class 52 Rating, Deduct	-976.69	
			For Class 54 Rating, Add	1,346.32	
			For Class 55 Rating, Add	2,008.96	
			For Class 56 Rating, Add	2,662.72	
40 05 19 00-1366	EA		20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			Pipe	10,436.12	799.15
			For Class 52 Rating, Deduct	-1,014.78	
			For Class 54 Rating, Add	1,398.32	
			For Class 55 Rating, Add	2,086.30	
			For Class 56 Rating, Add	2,765.05	
40 05 19 00-1367	EA		20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			Pipe	10,786.99	802.15
			For Class 52 Rating, Deduct	-1,052.88	
			For Class 54 Rating, Add	1,450.33	
			For Class 55 Rating, Add	2,163.64	
			For Class 56 Rating, Add	2,867.38	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,137.87	805.16
		For Class 52 Rating, Deduct	-1,090.97	
		For Class 54 Rating, Add	1,502.33	
		For Class 55 Rating, Add	2,240.98	
		For Class 56 Rating, Add	2,969.71	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,488.74	808.17
		For Class 52 Rating, Deduct	-1,129.07	
		For Class 54 Rating, Add	1,554.33	
		For Class 55 Rating, Add	2,318.32	
		For Class 56 Rating, Add	3,072.04	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,839.63	811.16
		For Class 52 Rating, Deduct	-1,167.16	
		For Class 54 Rating, Add	1,606.34	
		For Class 55 Rating, Add	2,395.66	
		For Class 56 Rating, Add	3,174.37	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,190.50	814.17
		For Class 52 Rating, Deduct	-1,205.26	
		For Class 54 Rating, Add	1,658.34	
		For Class 55 Rating, Add	2,473.00	
		For Class 56 Rating, Add	3,276.70	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,541.38	817.17
		For Class 52 Rating, Deduct	-1,243.36	
		For Class 54 Rating, Add	1,710.34	
		For Class 55 Rating, Add	2,550.34	
		For Class 56 Rating, Add	3,379.03	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,892.25	820.19
		For Class 52 Rating, Deduct	-1,281.45	
		For Class 54 Rating, Add	1,762.35	
		For Class 55 Rating, Add	2,627.68	
		For Class 56 Rating, Add	3,481.36	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,243.14	823.18
		For Class 52 Rating, Deduct	-1,319.55	
		For Class 54 Rating, Add	1,814.35	
		For Class 55 Rating, Add	2,705.02	
		For Class 56 Rating, Add	3,583.69	
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,594.01	826.19
		For Class 52 Rating, Deduct	-1,357.64	
		For Class 54 Rating, Add	1,866.35	
		For Class 55 Rating, Add	2,782.36	
		For Class 56 Rating, Add	3,686.02	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,944.89	829.20
		For Class 52 Rating, Deduct	-1,395.74	
		For Class 54 Rating, Add	1,918.36	
		For Class 55 Rating, Add	2,859.70	
		For Class 56 Rating, Add	3,788.35	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,295.76	832.19
		For Class 52 Rating, Deduct	-1,433.83	
		For Class 54 Rating, Add	1,970.36	
		For Class 55 Rating, Add	2,937.04	
		For Class 56 Rating, Add	3,890.68	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,646.65	835.20
		For Class 52 Rating, Deduct	-1,471.93	
		For Class 54 Rating, Add	2,022.36	
		For Class 55 Rating, Add	3,014.38	
		For Class 56 Rating, Add	3,993.01	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,997.52	838.21
		For Class 52 Rating, Deduct	-1,510.03	
		For Class 54 Rating, Add	2,074.37	
		For Class 55 Rating, Add	3,091.71	
		For Class 56 Rating, Add	4,095.34	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,348.40	841.22
		For Class 52 Rating, Deduct	-1,548.12	
		For Class 54 Rating, Add	2,126.37	
		For Class 55 Rating, Add	3,169.06	
		For Class 56 Rating, Add	4,197.67	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,699.27	844.21
		For Class 52 Rating, Deduct	-1,586.22	
		For Class 54 Rating, Add	2,178.37	
		For Class 55 Rating, Add	3,246.39	
		For Class 56 Rating, Add	4,300.00	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,050.16	847.22
		For Class 52 Rating, Deduct	-1,624.31	
		For Class 54 Rating, Add	2,230.38	
		For Class 55 Rating, Add	3,323.74	
		For Class 56 Rating, Add	4,402.33	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,401.03		850.22
		For Class 52 Rating, Deduct	-1,662.41		
		For Class 54 Rating, Add	2,282.38		
		For Class 55 Rating, Add	3,401.07		
		For Class 56 Rating, Add	4,504.65		
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,751.91		853.22
		For Class 52 Rating, Deduct	-1,700.51		
		For Class 54 Rating, Add	2,334.38		
		For Class 55 Rating, Add	3,478.41		
		For Class 56 Rating, Add	4,606.99		
40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe					
		(40 05 19 00-1028)			
40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,631.81		877.26
		For Class 52 Rating, Deduct	-363.29		
		For Class 54 Rating, Add	511.34		
		For Class 55 Rating, Add	768.39		
		For Class 56 Rating, Add	1,022.13		
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,065.51		880.27
		For Class 52 Rating, Deduct	-410.50		
		For Class 54 Rating, Add	575.77		
		For Class 55 Rating, Add	864.20		
		For Class 56 Rating, Add	1,148.89		
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,499.20		883.27
		For Class 52 Rating, Deduct	-457.70		
		For Class 54 Rating, Add	640.20		
		For Class 55 Rating, Add	960.00		
		For Class 56 Rating, Add	1,275.65		
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,932.90		886.27
		For Class 52 Rating, Deduct	-504.91		
		For Class 54 Rating, Add	704.62		
		For Class 55 Rating, Add	1,055.81		
		For Class 56 Rating, Add	1,402.41		
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,366.59		889.27
		For Class 52 Rating, Deduct	-552.11		
		For Class 54 Rating, Add	769.05		
		For Class 55 Rating, Add	1,151.62		
		For Class 56 Rating, Add	1,529.17		
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,800.28		892.29
		For Class 52 Rating, Deduct	-599.32		
		For Class 54 Rating, Add	833.47		
		For Class 55 Rating, Add	1,247.43		
		For Class 56 Rating, Add	1,655.93		
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,233.97		895.29
		For Class 52 Rating, Deduct	-646.52		
		For Class 54 Rating, Add	897.90		
		For Class 55 Rating, Add	1,343.23		
		For Class 56 Rating, Add	1,782.69		
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,667.67		898.29
		For Class 52 Rating, Deduct	-693.73		
		For Class 54 Rating, Add	962.33		
		For Class 55 Rating, Add	1,439.04		
		For Class 56 Rating, Add	1,909.45		
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,101.37		901.29
		For Class 52 Rating, Deduct	-740.93		
		For Class 54 Rating, Add	1,026.75		
		For Class 55 Rating, Add	1,534.85		
		For Class 56 Rating, Add	2,036.21		
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,535.06		904.30
		For Class 52 Rating, Deduct	-788.14		
		For Class 54 Rating, Add	1,091.18		
		For Class 55 Rating, Add	1,630.66		
		For Class 56 Rating, Add	2,162.97		
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,968.75		907.29
		For Class 52 Rating, Deduct	-835.35		
		For Class 54 Rating, Add	1,155.60		
		For Class 55 Rating, Add	1,726.47		
		For Class 56 Rating, Add	2,289.73		
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,402.45		910.31
		For Class 52 Rating, Deduct	-882.55		
		For Class 54 Rating, Add	1,220.03		
		For Class 55 Rating, Add	1,822.27		
		For Class 56 Rating, Add	2,416.49		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	913.32
		Pipe	9,836.14
		For Class 52 Rating, Deduct	-929.76
		For Class 54 Rating, Add	1,284.46
		For Class 55 Rating, Add	1,918.08
		For Class 56 Rating, Add	2,543.25
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	916.32
		Pipe	10,269.83
		For Class 52 Rating, Deduct	-976.96
		For Class 54 Rating, Add	1,348.88
		For Class 55 Rating, Add	2,013.89
		For Class 56 Rating, Add	2,670.01
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	919.32
		Pipe	10,703.53
		For Class 52 Rating, Deduct	-1,024.17
		For Class 54 Rating, Add	1,413.31
		For Class 55 Rating, Add	2,109.70
		For Class 56 Rating, Add	2,796.78
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	922.32
		Pipe	11,137.23
		For Class 52 Rating, Deduct	-1,071.37
		For Class 54 Rating, Add	1,477.73
		For Class 55 Rating, Add	2,205.51
		For Class 56 Rating, Add	2,923.54
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	925.34
		Pipe	11,570.92
		For Class 52 Rating, Deduct	-1,118.58
		For Class 54 Rating, Add	1,542.16
		For Class 55 Rating, Add	2,301.31
		For Class 56 Rating, Add	3,050.30
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	928.33
		Pipe	12,004.61
		For Class 52 Rating, Deduct	-1,165.78
		For Class 54 Rating, Add	1,606.58
		For Class 55 Rating, Add	2,397.12
		For Class 56 Rating, Add	3,177.06
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	931.34
		For Class 52 Rating, Deduct	12,438.30
		For Class 54 Rating, Add	-1,212.99
		For Class 55 Rating, Add	1,671.01
		For Class 56 Rating, Add	2,492.93
		For Class 56 Rating, Add	3,303.82
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	934.34
		For Class 52 Rating, Deduct	12,872.00
		For Class 54 Rating, Add	-1,260.20
		For Class 55 Rating, Add	1,735.44
		For Class 56 Rating, Add	2,588.74
		For Class 56 Rating, Add	3,430.58
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	937.35
		For Class 52 Rating, Deduct	13,305.70
		For Class 54 Rating, Add	-1,307.40
		For Class 55 Rating, Add	1,799.86
		For Class 56 Rating, Add	2,684.55
		For Class 56 Rating, Add	3,557.34
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	940.34
		For Class 52 Rating, Deduct	13,739.39
		For Class 54 Rating, Add	-1,354.61
		For Class 55 Rating, Add	1,864.29
		For Class 56 Rating, Add	2,780.35
		For Class 56 Rating, Add	3,684.10
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	943.36
		For Class 52 Rating, Deduct	14,173.08
		For Class 54 Rating, Add	-1,401.81
		For Class 55 Rating, Add	1,928.71
		For Class 56 Rating, Add	2,876.16
		For Class 56 Rating, Add	3,810.86
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	946.37
		For Class 52 Rating, Deduct	14,606.77
		For Class 54 Rating, Add	-1,449.02
		For Class 55 Rating, Add	1,993.14
		For Class 56 Rating, Add	2,971.97
		For Class 56 Rating, Add	3,937.62
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	949.37
		For Class 52 Rating, Deduct	15,040.47
		For Class 54 Rating, Add	-1,496.22
		For Class 55 Rating, Add	2,057.57
		For Class 56 Rating, Add	3,067.78
		For Class 56 Rating, Add	4,064.38
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	952.37
		For Class 52 Rating, Deduct	15,474.15
		For Class 54 Rating, Add	-1,543.43
		For Class 55 Rating, Add	2,121.99
		For Class 56 Rating, Add	3,163.58
		For Class 56 Rating, Add	4,191.14
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	955.37
		For Class 52 Rating, Deduct	15,907.85
		For Class 54 Rating, Add	-1,590.64
		For Class 55 Rating, Add	2,186.42
		For Class 56 Rating, Add	3,259.39
		For Class 56 Rating, Add	4,317.91

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,341.54	958.39
		For Class 52 Rating, Deduct	-1,637.84	
		For Class 54 Rating, Add	2,250.84	
		For Class 55 Rating, Add	3,355.20	
		For Class 56 Rating, Add	4,444.67	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	16,775.24	961.38
		For Class 52 Rating, Deduct	-1,685.05	
		For Class 54 Rating, Add	2,315.27	
		For Class 55 Rating, Add	3,451.01	
		For Class 56 Rating, Add	4,571.43	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,286.32	1,015.46
		For Class 52 Rating, Deduct	-1,732.25	
		For Class 54 Rating, Add	2,380.62	
		For Class 55 Rating, Add	3,548.67	
		For Class 56 Rating, Add	4,700.97	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	17,720.01	1,018.46
		For Class 52 Rating, Deduct	-1,779.46	
		For Class 54 Rating, Add	2,445.05	
		For Class 55 Rating, Add	3,644.48	
		For Class 56 Rating, Add	4,827.73	
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,153.70	1,021.47
		For Class 52 Rating, Deduct	-1,826.66	
		For Class 54 Rating, Add	2,509.48	
		For Class 55 Rating, Add	3,740.29	
		For Class 56 Rating, Add	4,954.49	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	18,587.40	1,024.48
		For Class 52 Rating, Deduct	-1,873.87	
		For Class 54 Rating, Add	2,573.90	
		For Class 55 Rating, Add	3,836.09	
		For Class 56 Rating, Add	5,081.25	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,021.09	1,027.47
		For Class 52 Rating, Deduct	-1,921.07	
		For Class 54 Rating, Add	2,638.33	
		For Class 55 Rating, Add	3,931.90	
		For Class 56 Rating, Add	5,208.02	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,454.78	1,030.49
		For Class 52 Rating, Deduct	-1,968.28	
		For Class 54 Rating, Add	2,702.75	
		For Class 55 Rating, Add	4,027.71	
		For Class 56 Rating, Add	5,334.78	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	19,888.47	1,033.49
		For Class 52 Rating, Deduct	-2,015.48	
		For Class 54 Rating, Add	2,767.18	
		For Class 55 Rating, Add	4,123.52	
		For Class 56 Rating, Add	5,461.54	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,322.17	1,036.49
		For Class 52 Rating, Deduct	-2,062.69	
		For Class 54 Rating, Add	2,831.60	
		For Class 55 Rating, Add	4,219.33	
		For Class 56 Rating, Add	5,588.30	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	20,755.86	1,039.49
		For Class 52 Rating, Deduct	-2,109.90	
		For Class 54 Rating, Add	2,896.03	
		For Class 55 Rating, Add	4,315.13	
		For Class 56 Rating, Add	5,715.06	
40 05 19 00-1424		30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,095.40	1,237.79
		For Class 52 Rating, Deduct	-574.20	
		For Class 54 Rating, Add	805.50	
		For Class 55 Rating, Add	1,209.06	
		For Class 56 Rating, Add	1,607.41	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	7,719.82	1,240.78
		For Class 52 Rating, Deduct	-642.38	
		For Class 54 Rating, Add	898.54	
		For Class 55 Rating, Add	1,347.40	
		For Class 56 Rating, Add	1,790.43	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe.....	8,344.24	1,243.79
		For Class 52 Rating, Deduct	-710.57	
		For Class 54 Rating, Add	991.57	
		For Class 55 Rating, Add	1,485.74	
		For Class 56 Rating, Add	1,973.46	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	8,968.66	1,246.79
		For Class 52 Rating, Deduct	-778.75	
		For Class 54 Rating, Add	1,084.61	
		For Class 55 Rating, Add	1,624.08	
		For Class 56 Rating, Add	2,156.48	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	9,593.09	1,249.80
		For Class 52 Rating, Deduct	-846.94	
		For Class 54 Rating, Add	1,177.64	
		For Class 55 Rating, Add	1,762.42	
		For Class 56 Rating, Add	2,339.51	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	10,217.51	1,252.79
		For Class 52 Rating, Deduct	-915.13	
		For Class 54 Rating, Add	1,270.68	
		For Class 55 Rating, Add	1,900.76	
		For Class 56 Rating, Add	2,522.53	
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	10,841.93	1,255.81
		For Class 52 Rating, Deduct	-983.31	
		For Class 54 Rating, Add	1,363.71	
		For Class 55 Rating, Add	2,039.11	
		For Class 56 Rating, Add	2,705.56	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	11,466.35	1,258.82
		For Class 52 Rating, Deduct	-1,051.50	
		For Class 54 Rating, Add	1,456.75	
		For Class 55 Rating, Add	2,177.45	
		For Class 56 Rating, Add	2,888.59	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	12,090.78	1,261.81
		For Class 52 Rating, Deduct	-1,119.68	
		For Class 54 Rating, Add	1,549.78	
		For Class 55 Rating, Add	2,315.79	
		For Class 56 Rating, Add	3,071.61	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	12,715.20	1,264.82
		For Class 52 Rating, Deduct	-1,187.87	
		For Class 54 Rating, Add	1,642.82	
		For Class 55 Rating, Add	2,454.13	
		For Class 56 Rating, Add	3,254.64	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	13,339.62	1,267.82
		For Class 52 Rating, Deduct	-1,256.05	
		For Class 54 Rating, Add	1,735.85	
		For Class 55 Rating, Add	2,592.47	
		For Class 56 Rating, Add	3,437.66	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	13,964.04	1,270.84
		For Class 52 Rating, Deduct	-1,324.24	
		For Class 54 Rating, Add	1,828.89	
		For Class 55 Rating, Add	2,730.81	
		For Class 56 Rating, Add	3,620.69	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	14,588.47	1,273.83
		For Class 52 Rating, Deduct	-1,392.43	
		For Class 54 Rating, Add	1,921.92	
		For Class 55 Rating, Add	2,869.15	
		For Class 56 Rating, Add	3,803.72	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	15,212.89	1,276.84
		For Class 52 Rating, Deduct	-1,460.61	
		For Class 54 Rating, Add	2,014.96	
		For Class 55 Rating, Add	3,007.49	
		For Class 56 Rating, Add	3,986.74	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	15,837.31	1,279.84
		For Class 52 Rating, Deduct	-1,528.80	
		For Class 54 Rating, Add	2,107.99	
		For Class 55 Rating, Add	3,145.83	
		For Class 56 Rating, Add	4,169.77	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	16,461.74	1,282.84
		For Class 52 Rating, Deduct	-1,596.98	
		For Class 54 Rating, Add	2,201.03	
		For Class 55 Rating, Add	3,284.17	
		For Class 56 Rating, Add	4,352.80	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	17,086.17	1,285.84
		For Class 52 Rating, Deduct	-1,665.17	
		For Class 54 Rating, Add	2,294.07	
		For Class 55 Rating, Add	3,422.51	
		For Class 56 Rating, Add	4,535.82	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron		
		Pipe	17,710.59	1,288.86
		For Class 52 Rating, Deduct	-1,733.36	
		For Class 54 Rating, Add	2,387.10	
		For Class 55 Rating, Add	3,560.85	
		For Class 56 Rating, Add	4,718.85	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		18,335.01	1,291.86
		For Class 52 Rating, Deduct		-1,801.54	
		For Class 54 Rating, Add		2,480.14	
		For Class 55 Rating, Add		3,699.19	
		For Class 56 Rating, Add		4,901.87	
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		18,959.43	1,294.86
		For Class 52 Rating, Deduct		-1,869.73	
		For Class 54 Rating, Add		2,573.17	
		For Class 55 Rating, Add		3,837.53	
		For Class 56 Rating, Add		5,084.90	
40 05 19 00-1445	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		19,583.86	1,297.86
		For Class 52 Rating, Deduct		-1,937.91	
		For Class 54 Rating, Add		2,666.21	
		For Class 55 Rating, Add		3,975.87	
		For Class 56 Rating, Add		5,267.92	
40 05 19 00-1446	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		20,208.28	1,300.87
		For Class 52 Rating, Deduct		-2,006.10	
		For Class 54 Rating, Add		2,759.24	
		For Class 55 Rating, Add		4,114.21	
		For Class 56 Rating, Add		5,450.95	
40 05 19 00-1447	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		20,832.70	1,303.87
		For Class 52 Rating, Deduct		-2,074.28	
		For Class 54 Rating, Add		2,852.28	
		For Class 55 Rating, Add		4,252.55	
		For Class 56 Rating, Add		5,633.97	
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		21,457.13	1,306.88
		For Class 52 Rating, Deduct		-2,142.47	
		For Class 54 Rating, Add		2,945.31	
		For Class 55 Rating, Add		4,390.90	
		For Class 56 Rating, Add		5,817.00	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		22,081.55	1,309.89
		For Class 52 Rating, Deduct		-2,210.66	
		For Class 54 Rating, Add		3,038.35	
		For Class 55 Rating, Add		4,529.24	
		For Class 56 Rating, Add		6,000.03	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		22,705.98	1,312.89
		For Class 52 Rating, Deduct		-2,278.84	
		For Class 54 Rating, Add		3,131.38	
		For Class 55 Rating, Add		4,667.58	
		For Class 56 Rating, Add		6,183.05	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		23,330.40	1,315.89
		For Class 52 Rating, Deduct		-2,347.03	
		For Class 54 Rating, Add		3,224.42	
		For Class 55 Rating, Add		4,805.92	
		For Class 56 Rating, Add		6,366.08	
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		23,954.82	1,318.89
		For Class 52 Rating, Deduct		-2,415.21	
		For Class 54 Rating, Add		3,317.45	
		For Class 55 Rating, Add		4,944.26	
		For Class 56 Rating, Add		6,549.10	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		24,579.24	1,321.91
		For Class 52 Rating, Deduct		-2,483.40	
		For Class 54 Rating, Add		3,410.49	
		For Class 55 Rating, Add		5,082.60	
		For Class 56 Rating, Add		6,732.13	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		25,203.67	1,324.91
		For Class 52 Rating, Deduct		-2,551.59	
		For Class 54 Rating, Add		3,503.52	
		For Class 55 Rating, Add		5,220.94	
		For Class 56 Rating, Add		6,915.16	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		25,828.09	1,327.91
		For Class 52 Rating, Deduct		-2,619.77	
		For Class 54 Rating, Add		3,596.56	
		For Class 55 Rating, Add		5,359.28	
		For Class 56 Rating, Add		7,098.18	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		26,452.51	1,330.91
		For Class 52 Rating, Deduct		-2,687.96	
		For Class 54 Rating, Add		3,689.60	
		For Class 55 Rating, Add		5,497.62	
		For Class 56 Rating, Add		7,281.21	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		27,076.93	1,333.92
		For Class 52 Rating, Deduct		-2,756.14	
		For Class 54 Rating, Add		3,782.63	
		For Class 55 Rating, Add		5,635.96	
		For Class 56 Rating, Add		7,464.23	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,701.36		1,336.91	
		For Class 52 Rating, Deduct	-2,824.33			
		For Class 54 Rating, Add	3,875.67			
		For Class 55 Rating, Add	5,774.30			
		For Class 56 Rating, Add	7,647.26			
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,325.78		1,339.93	
		For Class 52 Rating, Deduct	-2,892.51			
		For Class 54 Rating, Add	3,968.70			
		For Class 55 Rating, Add	5,912.64			
		For Class 56 Rating, Add	7,830.29			
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,950.20		1,342.94	
		For Class 52 Rating, Deduct	-2,960.70			
		For Class 54 Rating, Add	4,061.74			
		For Class 55 Rating, Add	6,050.98			
		For Class 56 Rating, Add	8,013.31			
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,574.62		1,345.94	
		For Class 52 Rating, Deduct	-3,028.89			
		For Class 54 Rating, Add	4,154.77			
		For Class 55 Rating, Add	6,189.32			
		For Class 56 Rating, Add	8,196.34			
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,199.05		1,348.94	
		For Class 52 Rating, Deduct	-3,097.07			
		For Class 54 Rating, Add	4,247.81			
		For Class 55 Rating, Add	6,327.66			
		For Class 56 Rating, Add	8,379.36			
40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)						
40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,809.58		1,568.26	
		For Class 52 Rating, Deduct	-817.68			
		For Class 54 Rating, Add	1,143.53			
		For Class 55 Rating, Add	1,714.68			
		For Class 56 Rating, Add	2,278.41			
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,657.35		1,571.27	
		For Class 52 Rating, Deduct	-910.43			
		For Class 54 Rating, Add	1,270.07			
		For Class 55 Rating, Add	1,902.83			
		For Class 56 Rating, Add	2,527.32			
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,505.14		1,574.26	
		For Class 52 Rating, Deduct	-1,003.19			
		For Class 54 Rating, Add	1,396.61			
		For Class 55 Rating, Add	2,090.98			
		For Class 56 Rating, Add	2,776.24			
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,352.91		1,577.27	
		For Class 52 Rating, Deduct	-1,095.94			
		For Class 54 Rating, Add	1,523.14			
		For Class 55 Rating, Add	2,279.13			
		For Class 56 Rating, Add	3,025.15			
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,200.69		1,580.28	
		For Class 52 Rating, Deduct	-1,188.70			
		For Class 54 Rating, Add	1,649.68			
		For Class 55 Rating, Add	2,467.28			
		For Class 56 Rating, Add	3,274.07			
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,048.46		1,583.28	
		For Class 52 Rating, Deduct	-1,281.45			
		For Class 54 Rating, Add	1,776.22			
		For Class 55 Rating, Add	2,655.43			
		For Class 56 Rating, Add	3,522.98			
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,896.25		1,586.28	
		For Class 52 Rating, Deduct	-1,374.21			
		For Class 54 Rating, Add	1,902.76			
		For Class 55 Rating, Add	2,843.58			
		For Class 56 Rating, Add	3,771.90			
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,744.02		1,589.29	
		For Class 52 Rating, Deduct	-1,466.96			
		For Class 54 Rating, Add	2,029.30			
		For Class 55 Rating, Add	3,031.72			
		For Class 56 Rating, Add	4,020.81			
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,591.80		1,592.29	
		For Class 52 Rating, Deduct	-1,559.72			
		For Class 54 Rating, Add	2,155.84			
		For Class 55 Rating, Add	3,219.87			
		For Class 56 Rating, Add	4,269.73			

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-1473	EA 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,439.58		1,595.29
	For Class 52 Rating, Deduct	-1,652.47		
	For Class 54 Rating, Add	2,282.38		
	For Class 55 Rating, Add	3,408.02		
	For Class 56 Rating, Add	4,518.64		
40 05 19 00-1474	EA 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,287.36		1,598.30
	For Class 52 Rating, Deduct	-1,745.23		
	For Class 54 Rating, Add	2,408.91		
	For Class 55 Rating, Add	3,596.17		
	For Class 56 Rating, Add	4,767.56		
40 05 19 00-1475	EA 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,135.14		1,601.31
	For Class 52 Rating, Deduct	-1,837.98		
	For Class 54 Rating, Add	2,535.45		
	For Class 55 Rating, Add	3,784.32		
	For Class 56 Rating, Add	5,016.48		
40 05 19 00-1476	EA 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,982.91		1,604.30
	For Class 52 Rating, Deduct	-1,930.74		
	For Class 54 Rating, Add	2,661.99		
	For Class 55 Rating, Add	3,972.47		
	For Class 56 Rating, Add	5,265.39		
40 05 19 00-1477	EA 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,830.69		1,607.31
	For Class 52 Rating, Deduct	-2,023.49		
	For Class 54 Rating, Add	2,788.53		
	For Class 55 Rating, Add	4,160.62		
	For Class 56 Rating, Add	5,514.31		
40 05 19 00-1478	EA 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,678.46		1,610.31
	For Class 52 Rating, Deduct	-2,116.24		
	For Class 54 Rating, Add	2,915.07		
	For Class 55 Rating, Add	4,348.76		
	For Class 56 Rating, Add	5,763.22		
40 05 19 00-1479	EA 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,526.25		1,613.32
	For Class 52 Rating, Deduct	-2,209.00		
	For Class 54 Rating, Add	3,041.61		
	For Class 55 Rating, Add	4,536.91		
	For Class 56 Rating, Add	6,012.14		
40 05 19 00-1480	EA 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,374.02		1,616.32
	For Class 52 Rating, Deduct	-2,301.75		
	For Class 54 Rating, Add	3,168.14		
	For Class 55 Rating, Add	4,725.06		
	For Class 56 Rating, Add	6,261.05		
40 05 19 00-1481	EA 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,221.80		1,619.33
	For Class 52 Rating, Deduct	-2,394.51		
	For Class 54 Rating, Add	3,294.68		
	For Class 55 Rating, Add	4,913.21		
	For Class 56 Rating, Add	6,509.97		
40 05 19 00-1482	EA 36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,069.58		1,622.34
	For Class 52 Rating, Deduct	-2,487.27		
	For Class 54 Rating, Add	3,421.22		
	For Class 55 Rating, Add	5,101.36		
	For Class 56 Rating, Add	6,758.88		
40 05 19 00-1483	EA 36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,917.36		1,625.34
	For Class 52 Rating, Deduct	-2,580.02		
	For Class 54 Rating, Add	3,547.76		
	For Class 55 Rating, Add	5,289.51		
	For Class 56 Rating, Add	7,007.80		
40 05 19 00-1484	EA 36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,765.14		1,628.34
	For Class 52 Rating, Deduct	-2,672.77		
	For Class 54 Rating, Add	3,674.30		
	For Class 55 Rating, Add	5,477.66		
	For Class 56 Rating, Add	7,256.71		
40 05 19 00-1485	EA 36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,612.91		1,631.34
	For Class 52 Rating, Deduct	-2,765.53		
	For Class 54 Rating, Add	3,800.84		
	For Class 55 Rating, Add	5,665.80		
	For Class 56 Rating, Add	7,505.63		
40 05 19 00-1486	EA 36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,460.69		1,634.36
	For Class 52 Rating, Deduct	-2,858.28		
	For Class 54 Rating, Add	3,927.38		
	For Class 55 Rating, Add	5,853.95		
	For Class 56 Rating, Add	7,754.54		
40 05 19 00-1487	EA 36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,308.46		1,637.35
	For Class 52 Rating, Deduct	-2,951.04		
	For Class 54 Rating, Add	4,053.91		
	For Class 55 Rating, Add	6,042.10		
	For Class 56 Rating, Add	8,003.46		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST		UNIT COST
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,156.24		1,640.36	
		For Class 52 Rating, Deduct	-3,043.79			
		For Class 54 Rating, Add	4,180.45			
		For Class 55 Rating, Add	6,230.25			
		For Class 56 Rating, Add	8,252.37			
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,004.02		1,643.36	
		For Class 52 Rating, Deduct	-3,136.55			
		For Class 54 Rating, Add	4,306.99			
		For Class 55 Rating, Add	6,418.40			
		For Class 56 Rating, Add	8,501.29			
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,851.79		1,646.37	
		For Class 52 Rating, Deduct	-3,229.30			
		For Class 54 Rating, Add	4,433.53			
		For Class 55 Rating, Add	6,606.55			
		For Class 56 Rating, Add	8,750.21			
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,699.58		1,649.36	
		For Class 52 Rating, Deduct	-3,322.06			
		For Class 54 Rating, Add	4,560.07			
		For Class 55 Rating, Add	6,794.70			
		For Class 56 Rating, Add	8,999.12			
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,547.35		1,652.38	
		For Class 52 Rating, Deduct	-3,414.81			
		For Class 54 Rating, Add	4,686.61			
		For Class 55 Rating, Add	6,982.84			
		For Class 56 Rating, Add	9,248.04			
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,395.13		1,655.39	
		For Class 52 Rating, Deduct	-3,507.57			
		For Class 54 Rating, Add	4,813.14			
		For Class 55 Rating, Add	7,170.99			
		For Class 56 Rating, Add	9,496.95			
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,242.90		1,658.38	
		For Class 52 Rating, Deduct	-3,600.32			
		For Class 54 Rating, Add	4,939.68			
		For Class 55 Rating, Add	7,359.14			
		For Class 56 Rating, Add	9,745.87			
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,090.69		1,661.39	
		For Class 52 Rating, Deduct	-3,693.08			
		For Class 54 Rating, Add	5,066.22			
		For Class 55 Rating, Add	7,547.29			
		For Class 56 Rating, Add	9,994.78			
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,938.46		1,664.39	
		For Class 52 Rating, Deduct	-3,785.83			
		For Class 54 Rating, Add	5,192.76			
		For Class 55 Rating, Add	7,735.44			
		For Class 56 Rating, Add	10,243.70			
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,786.24		1,667.41	
		For Class 52 Rating, Deduct	-3,878.59			
		For Class 54 Rating, Add	5,319.30			
		For Class 55 Rating, Add	7,923.59			
		For Class 56 Rating, Add	10,492.61			
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,634.02		1,670.40	
		For Class 52 Rating, Deduct	-3,971.34			
		For Class 54 Rating, Add	5,445.84			
		For Class 55 Rating, Add	8,111.74			
		For Class 56 Rating, Add	10,741.53			
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,481.80		1,673.41	
		For Class 52 Rating, Deduct	-4,064.10			
		For Class 54 Rating, Add	5,572.38			
		For Class 55 Rating, Add	8,299.88			
		For Class 56 Rating, Add	10,990.44			
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,329.58		1,676.41	
		For Class 52 Rating, Deduct	-4,156.85			
		For Class 54 Rating, Add	5,698.91			
		For Class 55 Rating, Add	8,488.03			
		For Class 56 Rating, Add	11,239.36			
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,177.35		1,679.41	
		For Class 52 Rating, Deduct	-4,249.61			
		For Class 54 Rating, Add	5,825.45			
		For Class 55 Rating, Add	8,676.18			
		For Class 56 Rating, Add	11,488.27			

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1503	EA		42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,960.84	1,976.84
			For Class 52 Rating, Deduct	-1,096.22	
			For Class 54 Rating, Add	1,530.79	
			For Class 55 Rating, Add	2,294.22	
			For Class 56 Rating, Add	3,047.69	
40 05 19 00-1504	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,225.21	1,979.85
			For Class 52 Rating, Deduct	-1,234.80	
			For Class 54 Rating, Add	1,719.81	
			For Class 55 Rating, Add	2,575.27	
			For Class 56 Rating, Add	3,419.50	
40 05 19 00-1505	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,474.52	1,982.85
			For Class 52 Rating, Deduct	-1,371.72	
			For Class 54 Rating, Add	1,906.58	
			For Class 55 Rating, Add	2,852.96	
			For Class 56 Rating, Add	3,786.86	
40 05 19 00-1506	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,736.38	1,985.86
			For Class 52 Rating, Deduct	-1,510.03	
			For Class 54 Rating, Add	2,095.23	
			For Class 55 Rating, Add	3,133.45	
			For Class 56 Rating, Add	4,157.93	
40 05 19 00-1507	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,985.70	1,988.86
			For Class 52 Rating, Deduct	-1,646.95	
			For Class 54 Rating, Add	2,282.00	
			For Class 55 Rating, Add	3,411.14	
			For Class 56 Rating, Add	4,525.30	
40 05 19 00-1508	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,250.07	1,991.86
			For Class 52 Rating, Deduct	-1,785.53	
			For Class 54 Rating, Add	2,471.03	
			For Class 55 Rating, Add	3,692.19	
			For Class 56 Rating, Add	4,897.11	
40 05 19 00-1509	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,496.87	1,994.86
			For Class 52 Rating, Deduct	-1,922.18	
			For Class 54 Rating, Add	2,657.42	
			For Class 55 Rating, Add	3,969.32	
			For Class 56 Rating, Add	5,263.74	
40 05 19 00-1510	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,761.24	1,997.88
			For Class 52 Rating, Deduct	-2,060.76	
			For Class 54 Rating, Add	2,846.45	
			For Class 55 Rating, Add	4,250.37	
			For Class 56 Rating, Add	5,635.55	
40 05 19 00-1511	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,010.57	2,000.88
			For Class 52 Rating, Deduct	-2,197.68	
			For Class 54 Rating, Add	3,033.22	
			For Class 55 Rating, Add	4,528.06	
			For Class 56 Rating, Add	6,002.92	
40 05 19 00-1512	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,272.43	2,003.88
			For Class 52 Rating, Deduct	-2,335.99	
			For Class 54 Rating, Add	3,221.87	
			For Class 55 Rating, Add	4,808.55	
			For Class 56 Rating, Add	6,373.99	
40 05 19 00-1513	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,521.74	2,006.89
			For Class 52 Rating, Deduct	-2,472.91	
			For Class 54 Rating, Add	3,408.64	
			For Class 55 Rating, Add	5,086.24	
			For Class 56 Rating, Add	6,741.36	
40 05 19 00-1514	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,783.60	2,009.89
			For Class 52 Rating, Deduct	-2,611.21	
			For Class 54 Rating, Add	3,597.29	
			For Class 55 Rating, Add	5,366.73	
			For Class 56 Rating, Add	7,112.43	
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,032.92	2,012.89
			For Class 52 Rating, Deduct	-2,748.14	
			For Class 54 Rating, Add	3,784.06	
			For Class 55 Rating, Add	5,644.42	
			For Class 56 Rating, Add	7,479.80	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,284.73	2,015.90
			For Class 52 Rating, Deduct	-2,885.34	
			For Class 54 Rating, Add	3,971.20	
			For Class 55 Rating, Add	5,922.67	
			For Class 56 Rating, Add	7,847.91	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,544.08	2,018.91
			For Class 52 Rating, Deduct	-3,023.37	
			For Class 54 Rating, Add	4,159.48	
			For Class 55 Rating, Add	6,202.60	
			For Class 56 Rating, Add	8,218.24	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,793.39	2,021.91
		For Class 52 Rating, Deduct	-3,160.29	
		For Class 54 Rating, Add	4,346.25	
		For Class 55 Rating, Add	6,480.29	
		For Class 56 Rating, Add	8,585.61	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,057.77	2,024.91
		For Class 52 Rating, Deduct	-3,298.87	
		For Class 54 Rating, Add	4,535.27	
		For Class 55 Rating, Add	6,761.34	
		For Class 56 Rating, Add	8,957.42	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,307.08	2,027.91
		For Class 52 Rating, Deduct	-3,435.79	
		For Class 54 Rating, Add	4,722.04	
		For Class 55 Rating, Add	7,039.03	
		For Class 56 Rating, Add	9,324.79	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,568.94	2,030.93
		For Class 52 Rating, Deduct	-3,574.10	
		For Class 54 Rating, Add	4,910.69	
		For Class 55 Rating, Add	7,319.52	
		For Class 56 Rating, Add	9,695.86	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,818.25	2,033.92
		For Class 52 Rating, Deduct	-3,711.02	
		For Class 54 Rating, Add	5,097.46	
		For Class 55 Rating, Add	7,597.21	
		For Class 56 Rating, Add	10,063.22	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,082.63	2,036.93
		For Class 52 Rating, Deduct	-3,849.60	
		For Class 54 Rating, Add	5,286.49	
		For Class 55 Rating, Add	7,878.26	
		For Class 56 Rating, Add	10,435.03	
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,331.94	2,039.93
		For Class 52 Rating, Deduct	-3,986.52	
		For Class 54 Rating, Add	5,473.26	
		For Class 55 Rating, Add	8,155.95	
		For Class 56 Rating, Add	10,802.40	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,593.80	2,042.94
		For Class 52 Rating, Deduct	-4,124.83	
		For Class 54 Rating, Add	5,661.91	
		For Class 55 Rating, Add	8,436.44	
		For Class 56 Rating, Add	11,173.47	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,843.11	2,045.93
		For Class 52 Rating, Deduct	-4,261.75	
		For Class 54 Rating, Add	5,848.68	
		For Class 55 Rating, Add	8,714.13	
		For Class 56 Rating, Add	11,540.84	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,107.48	2,048.95
		For Class 52 Rating, Deduct	-4,400.33	
		For Class 54 Rating, Add	6,037.71	
		For Class 55 Rating, Add	8,995.18	
		For Class 56 Rating, Add	11,912.65	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,356.81	2,051.96
		For Class 52 Rating, Deduct	-4,537.26	
		For Class 54 Rating, Add	6,224.48	
		For Class 55 Rating, Add	9,272.87	
		For Class 56 Rating, Add	12,280.02	
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,616.16	2,054.95
		For Class 52 Rating, Deduct	-4,675.28	
		For Class 54 Rating, Add	6,412.75	
		For Class 55 Rating, Add	9,552.80	
		For Class 56 Rating, Add	12,650.35	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,867.98	2,057.96
		For Class 52 Rating, Deduct	-4,812.48	
		For Class 54 Rating, Add	6,599.90	
		For Class 55 Rating, Add	9,831.05	
		For Class 56 Rating, Add	13,018.46	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,866.33	2,060.96
		For Class 52 Rating, Deduct	-4,921.80	
		For Class 54 Rating, Add	6,749.02	
		For Class 55 Rating, Add	10,052.78	
		For Class 56 Rating, Add	13,311.80	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,379.16	2,063.98
		For Class 52 Rating, Deduct	-5,087.71	
		For Class 54 Rating, Add	6,975.32	
		For Class 55 Rating, Add	10,389.23	
		For Class 56 Rating, Add	13,756.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533	EA		42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,628.47	2,066.97
			For Class 52 Rating, Deduct	-5,224.64	
			For Class 54 Rating, Add	7,162.08	
			For Class 55 Rating, Add	10,666.92	
			For Class 56 Rating, Add	14,124.27	
40 05 19 00-1534	EA		42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,890.33	2,069.98
			For Class 52 Rating, Deduct	-5,362.94	
			For Class 54 Rating, Add	7,350.74	
			For Class 55 Rating, Add	10,947.41	
			For Class 56 Rating, Add	14,495.34	
40 05 19 00-1535	EA		42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,139.64	2,072.98
			For Class 52 Rating, Deduct	-5,499.86	
			For Class 54 Rating, Add	7,537.50	
			For Class 55 Rating, Add	11,225.10	
			For Class 56 Rating, Add	14,862.71	
40 05 19 00-1536	EA		42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,404.02	2,075.99
			For Class 52 Rating, Deduct	-5,638.44	
			For Class 54 Rating, Add	7,726.53	
			For Class 55 Rating, Add	11,506.15	
			For Class 56 Rating, Add	15,234.52	
40 05 19 00-1537	EA		42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,650.82	2,078.98
			For Class 52 Rating, Deduct	-5,775.09	
			For Class 54 Rating, Add	7,912.92	
			For Class 55 Rating, Add	11,783.28	
			For Class 56 Rating, Add	15,601.14	
40 05 19 00-1538	EA		42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,915.19	2,082.00
			For Class 52 Rating, Deduct	-5,913.67	
			For Class 54 Rating, Add	8,101.95	
			For Class 55 Rating, Add	12,064.33	
			For Class 56 Rating, Add	15,972.96	
40 05 19 00-1539	EA		42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,164.50	2,085.01
			For Class 52 Rating, Deduct	-6,050.60	
			For Class 54 Rating, Add	8,288.72	
			For Class 55 Rating, Add	12,342.02	
			For Class 56 Rating, Add	16,340.32	
40 05 19 00-1540	EA		42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,426.37	2,088.00
			For Class 52 Rating, Deduct	-6,188.90	
			For Class 54 Rating, Add	8,477.37	
			For Class 55 Rating, Add	12,622.51	
			For Class 56 Rating, Add	16,711.39	
40 05 19 00-1541			48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1542	EA		48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,724.07	2,484.57
			For Class 52 Rating, Deduct	-1,425.55	
			For Class 54 Rating, Add	1,989.11	
			For Class 55 Rating, Add	2,980.33	
			For Class 56 Rating, Add	3,958.60	
40 05 19 00-1543	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,563.14	2,487.58
			For Class 52 Rating, Deduct	-1,627.35	
			For Class 54 Rating, Add	2,264.34	
			For Class 55 Rating, Add	3,389.54	
			For Class 56 Rating, Add	4,499.94	
40 05 19 00-1544	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,399.71	2,490.58
			For Class 52 Rating, Deduct	-1,828.87	
			For Class 54 Rating, Add	2,539.20	
			For Class 55 Rating, Add	3,798.19	
			For Class 56 Rating, Add	5,040.55	
40 05 19 00-1545	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,251.33	2,493.59
			For Class 52 Rating, Deduct	-2,032.05	
			For Class 54 Rating, Add	2,816.31	
			For Class 55 Rating, Add	4,210.19	
			For Class 56 Rating, Add	5,585.60	
40 05 19 00-1546	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,090.39	2,496.58
			For Class 52 Rating, Deduct	-2,233.84	
			For Class 54 Rating, Add	3,091.54	
			For Class 55 Rating, Add	4,619.40	
			For Class 56 Rating, Add	6,126.94	
40 05 19 00-1547	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,929.46	2,499.60
			For Class 52 Rating, Deduct	-2,435.64	
			For Class 54 Rating, Add	3,366.78	
			For Class 55 Rating, Add	5,028.60	
			For Class 56 Rating, Add	6,668.29	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	27,778.58	2,502.60
		Pipe		
		For Class 52 Rating, Deduct	-2,638.54	
		For Class 54 Rating, Add	3,643.52	
		For Class 55 Rating, Add	5,440.05	
		For Class 56 Rating, Add	7,212.60	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	29,620.15	2,505.60
		Pipe		
		For Class 52 Rating, Deduct	-2,840.62	
		For Class 54 Rating, Add	3,919.12	
		For Class 55 Rating, Add	5,849.82	
		For Class 56 Rating, Add	7,754.68	
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	31,456.71	2,508.60
		Pipe		
		For Class 52 Rating, Deduct	-3,042.14	
		For Class 54 Rating, Add	4,193.98	
		For Class 55 Rating, Add	6,258.46	
		For Class 56 Rating, Add	8,295.29	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	33,308.33	2,511.61
		Pipe		
		For Class 52 Rating, Deduct	-3,245.31	
		For Class 54 Rating, Add	4,471.09	
		For Class 55 Rating, Add	6,670.47	
		For Class 56 Rating, Add	8,840.34	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	35,147.41	2,514.63
		Pipe		
		For Class 52 Rating, Deduct	-3,447.11	
		For Class 54 Rating, Add	4,746.33	
		For Class 55 Rating, Add	7,079.68	
		For Class 56 Rating, Add	9,381.69	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	36,999.02	2,517.62
		Pipe		
		For Class 52 Rating, Deduct	-3,650.29	
		For Class 54 Rating, Add	5,023.44	
		For Class 55 Rating, Add	7,491.68	
		For Class 56 Rating, Add	9,926.73	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	38,835.58	2,520.63
		Pipe		
		For Class 52 Rating, Deduct	-3,851.81	
		For Class 54 Rating, Add	5,298.30	
		For Class 55 Rating, Add	7,900.33	
		For Class 56 Rating, Add	10,467.34	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	40,674.65	2,523.63
		Pipe		
		For Class 52 Rating, Deduct	-4,053.61	
		For Class 54 Rating, Add	5,573.53	
		For Class 55 Rating, Add	8,309.53	
		For Class 56 Rating, Add	11,008.69	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	42,526.27	2,526.64
		Pipe		
		For Class 52 Rating, Deduct	-4,256.78	
		For Class 54 Rating, Add	5,850.64	
		For Class 55 Rating, Add	8,721.54	
		For Class 56 Rating, Add	11,553.74	
40 05 19 00-1557	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	44,365.34	2,529.63
		Pipe		
		For Class 52 Rating, Deduct	-4,458.58	
		For Class 54 Rating, Add	6,125.88	
		For Class 55 Rating, Add	9,130.75	
		For Class 56 Rating, Add	12,095.08	
40 05 19 00-1558	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	46,201.90	2,532.65
		Pipe		
		For Class 52 Rating, Deduct	-4,660.10	
		For Class 54 Rating, Add	6,400.73	
		For Class 55 Rating, Add	9,539.39	
		For Class 56 Rating, Add	12,635.69	
40 05 19 00-1559	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron	48,053.51	2,535.65
		Pipe		
		For Class 52 Rating, Deduct	-4,863.28	
		For Class 54 Rating, Add	6,677.85	
		For Class 55 Rating, Add	9,951.40	
		For Class 56 Rating, Add	13,180.74	
40 05 19 00-1560	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,892.59	2,538.65
		Pipe		
		For Class 52 Rating, Deduct	-5,065.08	
		For Class 54 Rating, Add	6,953.08	
		For Class 55 Rating, Add	10,360.60	
		For Class 56 Rating, Add	13,722.08	
40 05 19 00-1561	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,729.15	2,541.65
		Pipe		
		For Class 52 Rating, Deduct	-5,266.60	
		For Class 54 Rating, Add	7,227.93	
		For Class 55 Rating, Add	10,769.25	
		For Class 56 Rating, Add	14,262.69	
40 05 19 00-1562	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,580.76	2,544.66
		Pipe		
		For Class 52 Rating, Deduct	-5,469.77	
		For Class 54 Rating, Add	7,505.05	
		For Class 55 Rating, Add	11,181.26	
		For Class 56 Rating, Add	14,807.74	

MINOR			TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION			UNIT COST	UNIT COST
40 05 19 00-1563	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,422.33	2,547.67
		For Class 52 Rating, Deduct	-5,671.85	
		For Class 54 Rating, Add	7,780.66	
		For Class 55 Rating, Add	11,591.02	
		For Class 56 Rating, Add	15,349.82	
40 05 19 00-1564	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,258.89	2,550.67
		For Class 52 Rating, Deduct	-5,873.37	
		For Class 54 Rating, Add	8,055.51	
		For Class 55 Rating, Add	11,999.67	
		For Class 56 Rating, Add	15,890.43	
40 05 19 00-1565	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,110.52	2,553.67
		For Class 52 Rating, Deduct	-6,076.55	
		For Class 54 Rating, Add	8,332.63	
		For Class 55 Rating, Add	12,411.68	
		For Class 56 Rating, Add	16,435.48	
40 05 19 00-1566	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,949.58	2,556.68
		For Class 52 Rating, Deduct	-6,278.34	
		For Class 54 Rating, Add	8,607.86	
		For Class 55 Rating, Add	12,820.88	
		For Class 56 Rating, Add	16,976.82	
40 05 19 00-1567	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,786.14	2,559.67
		For Class 52 Rating, Deduct	-6,479.86	
		For Class 54 Rating, Add	8,882.72	
		For Class 55 Rating, Add	13,229.53	
		For Class 56 Rating, Add	17,517.43	
40 05 19 00-1568	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,637.76	2,562.68
		For Class 52 Rating, Deduct	-6,683.04	
		For Class 54 Rating, Add	9,159.83	
		For Class 55 Rating, Add	13,641.53	
		For Class 56 Rating, Add	18,062.48	
40 05 19 00-1569	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,476.83	2,565.70
		For Class 52 Rating, Deduct	-6,884.84	
		For Class 54 Rating, Add	9,435.06	
		For Class 55 Rating, Add	14,050.74	
		For Class 56 Rating, Add	18,603.83	
40 05 19 00-1570	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,090.04	2,568.70
		For Class 52 Rating, Deduct	-7,061.79	
		For Class 54 Rating, Add	9,676.42	
		For Class 55 Rating, Add	14,409.58	
		For Class 56 Rating, Add	19,078.54	
40 05 19 00-1571	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,167.52	2,571.70
		For Class 52 Rating, Deduct	-7,289.81	
		For Class 54 Rating, Add	9,987.41	
		For Class 55 Rating, Add	14,871.95	
		For Class 56 Rating, Add	19,690.22	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,004.08	2,574.70
		For Class 52 Rating, Deduct	-7,491.33	
		For Class 54 Rating, Add	10,262.27	
		For Class 55 Rating, Add	15,280.60	
		For Class 56 Rating, Add	20,230.83	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,858.21	2,577.71
		For Class 52 Rating, Deduct	-7,694.78	
		For Class 54 Rating, Add	10,539.76	
		For Class 55 Rating, Add	15,693.16	
		For Class 56 Rating, Add	20,776.62	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,694.77	2,580.70
		For Class 52 Rating, Deduct	-7,896.31	
		For Class 54 Rating, Add	10,814.61	
		For Class 55 Rating, Add	16,101.81	
		For Class 56 Rating, Add	21,317.22	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,531.33	2,583.72
		For Class 52 Rating, Deduct	-8,097.83	
		For Class 54 Rating, Add	11,089.47	
		For Class 55 Rating, Add	16,510.46	
		For Class 56 Rating, Add	21,857.83	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	79,385.45	2,586.72
		For Class 52 Rating, Deduct	-8,301.28	
		For Class 54 Rating, Add	11,366.96	
		For Class 55 Rating, Add	16,923.02	
		For Class 56 Rating, Add	22,403.62	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	81,222.02	2,589.73
		For Class 52 Rating, Deduct	-8,502.80	
		For Class 54 Rating, Add	11,641.81	
		For Class 55 Rating, Add	17,331.67	
		For Class 56 Rating, Add	22,944.22	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	83,061.09	2,592.72
		<i>For Class 52 Rating, Deduct</i>	-8,704.60	
		<i>For Class 54 Rating, Add</i>	11,917.05	
		<i>For Class 55 Rating, Add</i>	17,740.88	
		<i>For Class 56 Rating, Add</i>	23,485.57	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	84,912.70	2,595.73
		<i>For Class 52 Rating, Deduct</i>	-8,907.77	
		<i>For Class 54 Rating, Add</i>	12,194.16	
		<i>For Class 55 Rating, Add</i>	18,152.88	
		<i>For Class 56 Rating, Add</i>	24,030.62	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows
(40 05 19 00-0001)

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	424.47	144.95
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	597.86	185.36
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	839.99	209.95
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,231.72	266.17
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,526.86	295.16
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,906.41	320.64
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,348.51	395.31
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,084.39	474.37
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,798.59	597.35
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,795.06	676.41
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	9,763.03	896.02
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	13,857.57	1,014.62
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	23,246.73	1,159.57
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	30,961.33	1,423.10

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows
(40 05 19 00-0001)

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	402.04	144.95
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	561.97	185.36
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	748.77	209.95
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,100.13	266.17
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,359.38	295.16
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,565.47	320.64
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,971.68	395.31
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,577.46	474.37
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,336.53	597.35
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,401.38	676.41
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,743.19	896.02
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	13,112.88	1,014.62
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	20,045.16	1,159.57
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	27,339.57	1,423.10

40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows
(40 05 19 00-0001)

40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	400.55	144.95
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	550.00	185.36
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	738.31	209.95
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,070.22	266.17
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,425.18	295.16
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,773.32	320.64
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,018.04	395.31
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,634.29	474.37
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,583.26	597.35
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,963.64	676.41
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,843.38	896.02
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	13,343.17	1,014.62
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	20,504.24	1,159.57
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	27,937.71	1,423.10

40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows
(40 05 19 00-0001)

40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	437.93	144.95
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	620.29	185.36
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	768.21	209.95
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,176.39	266.17
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,621.07	295.16
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,824.17	320.64
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,230.38	395.31
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,634.29	474.37
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,583.26	597.35
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,165.51	676.41
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	8,943.57	896.02
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	13,441.86	1,014.62
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	20,608.91	1,159.57
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	28,148.56	1,423.10

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-1640

Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-0001)

40 05 19 00-1641	EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	565.75	165.15
40 05 19 00-1642	EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	699.52	177.45
40 05 19 00-1643	EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	788.46	197.66
40 05 19 00-1644	EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,056.14	205.56
40 05 19 00-1645	EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,115.16	225.77
40 05 19 00-1646	EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,219.04	238.06
40 05 19 00-1647	EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,135.59	220.49
40 05 19 00-1648	EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,279.85	240.69
40 05 19 00-1649	EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,471.94	252.99
40 05 19 00-1650	EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,568.38	281.10
40 05 19 00-1651	EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,471.94	252.99
40 05 19 00-1652	EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,631.15	265.29
40 05 19 00-1653	EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,817.29	293.40
40 05 19 00-1654	EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,011.89	308.34
40 05 19 00-1655	EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,697.50	290.33
40 05 19 00-1656	EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,831.27	302.63
40 05 19 00-1657	EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,102.65	330.74
40 05 19 00-1658	EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,295.08	345.23
40 05 19 00-1659	EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,457.94	357.97
40 05 19 00-1660	EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,986.18	329.86
40 05 19 00-1661	EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,377.16	342.16
40 05 19 00-1662	EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,448.15	370.27
40 05 19 00-1663	EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,585.27	384.77
40 05 19 00-1664	EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,804.94	397.50
40 05 19 00-1665	EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,058.89	434.84
40 05 19 00-1666	EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,563.84	391.35
40 05 19 00-1667	EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,736.51	403.65
40 05 19 00-1668	EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,393.68	431.76
40 05 19 00-1669	EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,521.82	446.26
40 05 19 00-1670	EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,885.04	458.99
40 05 19 00-1671	EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,799.55	496.33
40 05 19 00-1672	EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,044.87	535.86
40 05 19 00-1673	EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,607.68	430.88
40 05 19 00-1674	EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,781.83	443.18
40 05 19 00-1675	EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,069.67	471.29
40 05 19 00-1676	EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,277.05	485.79
40 05 19 00-1677	EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,665.71	498.53
40 05 19 00-1678	EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,028.82	535.86
40 05 19 00-1679	EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,150.02	575.39
40 05 19 00-1680	EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,417.03	569.02
40 05 19 00-1681	EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,441.22	595.60
40 05 19 00-1682	EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,856.79	608.34
40 05 19 00-1683	EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,729.83	645.66
40 05 19 00-1684	EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,986.02	685.20
40 05 19 00-1685	EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,390.62	746.69
40 05 19 00-1686	EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,973.89	786.22
40 05 19 00-1687	EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,874.29	654.89
40 05 19 00-1688	EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,495.53	667.63
40 05 19 00-1689	EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,346.43	704.96
40 05 19 00-1690	EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,205.65	744.49
40 05 19 00-1691	EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,675.25	805.98
40 05 19 00-1692	EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,729.56	845.52
40 05 19 00-1693	EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,580.80	955.33
40 05 19 00-1694	EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,702.62	740.10
40 05 19 00-1695	EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,242.49	777.44
40 05 19 00-1696	EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,837.81	816.96
40 05 19 00-1697	EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,552.66	878.45
40 05 19 00-1698	EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,320.17	917.99
40 05 19 00-1699	EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,052.59	1,027.79
40 05 19 00-1700	EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,493.62	1,087.09
40 05 19 00-1701	EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,399.46	1,060.74
40 05 19 00-1702	EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	26,535.22	1,170.54
40 05 19 00-1703	EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	27,312.92	1,229.84
40 05 19 00-1704	EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	34,927.94	1,302.31

40 05 19 00-1705

Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-0001)

40 05 19 00-1706	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	506.72	144.95
40 05 19 00-1707	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	781.79	185.36
40 05 19 00-1708	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,148.03	209.95
40 05 19 00-1709	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,632.48	266.17
40 05 19 00-1710	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,305.94	295.16
40 05 19 00-1711	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,688.49	320.64
40 05 19 00-1712	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,487.98	395.31
40 05 19 00-1713	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,321.05	474.37
40 05 19 00-1714	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,892.10	597.35
40 05 19 00-1715	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,657.18	676.41
40 05 19 00-1716	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,240.53	896.02
40 05 19 00-1717	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	23,202.08	1,014.62
40 05 19 00-1718	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	35,979.72	1,159.57

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base
(40 05 19 00-0001)

40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	535.13	144.95
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	726.46	185.36
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,186.91	209.95
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,604.06	266.17
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,154.91	295.16
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,544.93	320.64
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,144.04	395.31
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,950.20	474.37
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,213.20	597.35
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,365.19	676.41
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,074.86	896.02
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,266.99	1,014.62
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	32,073.84	1,159.57
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	34,584.59	1,423.10

40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees
(40 05 19 00-0001)

40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	726.55	232.79
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	900.46	286.37
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,263.56	319.75
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,813.89	415.51
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,409.44	453.29
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,225.48	487.54
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,654.74	614.92
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,456.28	702.77
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,621.04	887.24
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,275.99	979.48
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	14,082.89	1,352.83
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	20,296.51	1,550.48
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	41,966.93	1,792.05

40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees
(40 05 19 00-0001)

40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	909.87	260.02
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,125.71	265.29
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,125.45	298.67
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,483.83	293.40
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,465.62	326.78
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,545.42	347.86
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,880.30	308.34
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,875.55	341.72
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,980.76	362.80
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,359.89	430.45
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,739.33	320.64
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,680.74	354.02
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,799.42	375.10
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,957.23	442.75
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,136.05	466.02
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,322.25	357.97
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,061.80	391.35
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,012.99	412.44
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,535.68	480.07
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,431.88	503.35
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,826.36	524.88
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,062.53	397.50
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,063.37	430.88
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,688.98	451.96
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,703.23	519.61
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,030.10	542.89
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,399.16	564.40
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,707.56	654.45
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,973.75	458.99
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,502.36	492.37
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,595.62	513.45
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,790.82	581.10
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,978.62	604.38
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,042.63	625.90
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,071.79	715.94
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,206.31	764.26
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,957.70	498.53
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,146.94	531.91
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,380.76	552.99
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,595.40	620.63
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,270.68	643.91
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,425.92	665.43
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,643.09	755.47
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,727.57	803.79
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,027.91	858.92
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,569.51	641.72
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,632.85	662.80

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,934.23	730.43
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,969.50	753.72
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,002.12	775.24
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,237.23	865.28
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,376.24	913.59
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,725.56	1,036.58
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,005.50	1,089.28
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	14,580.63	918.42
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,597.35	935.12
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,702.79	983.00
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,830.09	1,001.88
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,888.94	1,019.01
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,051.23	1,082.70
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,150.68	1,126.62
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,422.02	1,218.86
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,789.48	1,264.98
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,983.08	1,451.65
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	26,064.25	794.57
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,570.79	862.20
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,606.06	885.48
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,673.06	907.01
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,879.77	997.05
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,129.42	1,045.36
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,315.76	1,168.35
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,676.75	1,221.06
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,265.35	1,484.59
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	40,163.02	1,622.94
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,912.24	1,028.23
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	31,944.85	1,049.76
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,185.96	1,139.80
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,259.16	1,188.11
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,584.57	1,311.09
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,911.16	1,363.81
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,803.93	1,627.34
40 05 19 00-1830 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base (40 05 19 00-0001)				
40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	783.37	232.79
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,063.46	286.37
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,544.69	319.75
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,344.74	415.51
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,145.16	453.29
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,512.59	487.54
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	4,360.55	614.92
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,295.17	702.77
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	7,068.55	887.24
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	10,163.13	979.48
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	17,021.27	1,352.83
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	24,242.77	1,550.48
40 05 19 00-1843 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes (40 05 19 00-0001)				
40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	639.82	232.79
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	892.99	286.37
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,285.99	319.75
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,689.77	415.51
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,401.97	453.29
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	3,111.84	487.54
40 05 19 00-1850 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses (40 05 19 00-0001)				
40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	879.10	320.64
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,155.95	347.43
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,225.49	387.40
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,421.81	353.13
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,550.68	399.70
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,606.40	429.56
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,835.25	381.26
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,020.93	427.81
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,209.75	457.67
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,742.97	564.85
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,371.62	395.74
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,498.99	442.30
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,689.29	472.17
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,250.93	579.34
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,064.74	611.41
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,975.86	455.04
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,164.67	484.91
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,527.44	592.08
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,834.71	624.15
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,022.68	654.45
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,548.32	492.37
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,764.05	522.24

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,126.81	629.42
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,462.50	661.47
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,211.64	691.78
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,067.14	834.53
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,694.95	531.91
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,909.18	561.77
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,215.12	668.94
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,549.31	701.01
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,223.28	731.32
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,698.27	874.07
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,956.75	931.16
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,809.45	593.40
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,038.64	623.26
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,323.64	730.43
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,680.26	762.50
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,787.49	792.81
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,050.53	935.56
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,320.98	992.65
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,032.64	1,177.14
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,346.76	632.93
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,513.14	662.80
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,890.86	769.97
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,124.86	802.04
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,263.49	832.33
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,695.11	975.08
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,967.84	1,032.19
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,542.30	1,148.81
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,607.76	1,282.55
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,704.05	911.84
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,782.86	942.14
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,229.43	1,084.89
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,381.74	1,141.99
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,024.62	1,326.47
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,916.67	1,392.35
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,228.19	1,809.62
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,528.75	1,160.00
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,568.01	1,185.92
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	16,944.74	1,302.31
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,088.90	1,355.02
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,619.41	1,508.75
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,237.10	1,568.05
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,653.55	1,908.44
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	27,033.05	2,086.33
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,373.50	1,043.60
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,419.42	1,073.91
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,846.55	1,216.66
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,967.47	1,273.77
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	25,563.98	1,458.24
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	26,191.67	1,524.12
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	33,716.00	1,941.39
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	46,567.57	2,158.81
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	34,554.22	2,424.54
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	32,688.22	1,216.66
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	33,116.84	1,359.41
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	33,237.76	1,416.52
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	33,798.39	1,600.99
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	34,426.07	1,666.87
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	36,007.86	2,084.13

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers

(40 05 19 00-0001)

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	468.55	165.15
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	596.34	177.45
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	656.87	197.66
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	800.43	205.56
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	808.61	225.77
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	943.89	238.06
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,020.45	220.49
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,055.55	240.69
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,156.42	252.99
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,300.71	281.10
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,590.89	240.69
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,270.07	252.99
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,403.85	265.29
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,543.64	293.40
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,501.97	308.34
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,882.21	270.13
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,528.52	290.33
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,445.47	302.63
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,610.68	330.74
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,993.02	345.23
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,143.91	357.97
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,380.95	329.86
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,891.17	342.16

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,077.31	370.27
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,064.88	384.77
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,374.27	397.50
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,372.52	434.84
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,439.73	391.35
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,367.15	403.65
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,563.75	431.76
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,500.49	446.26
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,883.15	458.99
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,709.44	496.33
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,337.56	535.86
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,195.65	443.18
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,607.60	471.29
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,879.29	485.79
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,982.33	498.53
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,528.97	535.86
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,257.30	575.39
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,494.39	569.02
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,122.32	645.66
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,381.10	685.20
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,870.54	746.69
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,589.89	786.22
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,356.50	704.96
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,778.28	744.49
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,333.52	805.98
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,153.05	845.52
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,704.12	955.33
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,194.16	917.99
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,047.31	1,027.79
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,142.43	1,087.09
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,032.21	1,060.74
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,238.26	1,170.54
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	22,614.50	1,229.84
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,327.73	1,302.31

40 05 19 00-1989

Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	508.93	165.15
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	642.70	177.45
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	730.14	197.66
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	800.43	205.56
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	857.96	225.77
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	990.25	238.06
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,020.45	220.49
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,109.38	240.69
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,213.24	252.99
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,399.40	281.10
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,270.07	252.99
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,375.44	265.29
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,533.17	293.40
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,754.68	308.34
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,528.52	290.33
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,659.30	302.63
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,845.45	330.74
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,039.38	345.23
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,143.91	357.97
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,891.17	342.16
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,077.31	370.27
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,271.24	384.77
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,374.27	397.50
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,602.81	434.84
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,759.74	391.35
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,521.17	403.65
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,563.75	431.76
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,801.06	446.26
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,883.15	458.99
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,152.06	496.33
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,336.07	535.86
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,503.69	443.18
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,607.60	471.29
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,690.87	485.79
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,771.48	498.53
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,044.87	535.86
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,257.30	575.39
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,494.39	569.02
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,320.36	608.34
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,145.14	645.66
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,414.00	685.20
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,870.54	746.69
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,589.89	786.22
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,422.30	704.96
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,778.28	744.49
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,300.62	805.98
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,117.16	845.52

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	11,671.23	955.33
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	14,194.16	917.99
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	12,009.84	1,027.79
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	18,142.43	1,087.09
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	20,238.26	1,170.54
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	22,614.50	1,229.84
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	25,327.73	1,302.31

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges ^(40 05 19 00-0001)

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	180.73	57.10
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	271.33	84.33
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	392.48	100.14
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	538.91	116.84
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	695.12	137.04
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	917.80	153.73
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,096.12	175.69
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,485.23	245.96
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,971.68	307.46
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,805.72	373.34
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	3,951.62	434.84
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	7,044.79	478.76
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	9,926.28	527.08
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	13,114.02	592.96

40 05 19 00-2059 Flanged End (FxF), Ductile Iron Flexible Ball Joint ^(40 05 19 00-0001)

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

40 05 19 00-2060	EA	3" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	1,124.16	100.94
40 05 19 00-2061	EA	4" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	1,305.01	118.43
40 05 19 00-2062	EA	6" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	2,075.39	148.03
40 05 19 00-2063	EA	8" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	2,753.16	169.20
40 05 19 00-2064	EA	10" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	3,802.32	255.27
40 05 19 00-2065	EA	12" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	4,974.57	278.47
40 05 19 00-2066	EA	14" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	5,762.26	306.32
40 05 19 00-2067	EA	16" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	6,404.97	340.32
40 05 19 00-2068	EA	18" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	9,167.84	382.90
40 05 19 00-2069	EA	20" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	9,365.17	437.55
40 05 19 00-2070	EA	24" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	16,375.02	510.53
40 05 19 00-2071	EA	30" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	57,372.45	612.64
40 05 19 00-2072	EA	36" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	81,462.94	765.80

40 05 19 00-2073 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping ^(40 05 19)

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-2074 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-2073)
40 05 19 00-2075 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe ^(40 05 19 00-2074)

40 05 19 00-2076	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,192.94	251.24
		For Class 52 Rating, Deduct	-89.35	
		For Class 54 Rating, Add	126.41	
		For Class 55 Rating, Add	190.27	
		For Class 56 Rating, Add	253.33	
40 05 19 00-2077	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,315.20	255.63
		For Class 52 Rating, Deduct	-102.07	
		For Class 54 Rating, Add	143.83	
		For Class 55 Rating, Add	216.21	
		For Class 56 Rating, Add	287.67	
40 05 19 00-2078	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,437.46	260.02
		For Class 52 Rating, Deduct	-114.78	
		For Class 54 Rating, Add	161.25	
		For Class 55 Rating, Add	242.15	
		For Class 56 Rating, Add	322.01	
40 05 19 00-2079	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,559.72	264.42
		For Class 52 Rating, Deduct	-127.50	
		For Class 54 Rating, Add	178.67	
		For Class 55 Rating, Add	268.09	
		For Class 56 Rating, Add	356.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2080	EA		4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,681.99	268.80
			For Class 52 Rating, Deduct	-140.22	
			For Class 54 Rating, Add	196.09	
			For Class 55 Rating, Add	294.03	
			For Class 56 Rating, Add	390.70	
40 05 19 00-2081	EA		4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,804.24	273.20
			For Class 52 Rating, Deduct	-152.93	
			For Class 54 Rating, Add	213.51	
			For Class 55 Rating, Add	319.97	
			For Class 56 Rating, Add	425.04	
40 05 19 00-2082	EA		4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,926.50	277.59
			For Class 52 Rating, Deduct	-165.65	
			For Class 54 Rating, Add	230.93	
			For Class 55 Rating, Add	345.91	
			For Class 56 Rating, Add	459.38	
40 05 19 00-2083	EA		4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,048.75	281.99
			For Class 52 Rating, Deduct	-178.37	
			For Class 54 Rating, Add	248.35	
			For Class 55 Rating, Add	371.65	
			For Class 56 Rating, Add	493.73	
40 05 19 00-2084	EA		4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,171.03	286.37
			For Class 52 Rating, Deduct	-191.08	
			For Class 54 Rating, Add	265.77	
			For Class 55 Rating, Add	397.79	
			For Class 56 Rating, Add	528.07	
40 05 19 00-2085	EA		4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,293.28	290.77
			For Class 52 Rating, Deduct	-203.80	
			For Class 54 Rating, Add	283.19	
			For Class 55 Rating, Add	423.73	
			For Class 56 Rating, Add	562.41	
40 05 19 00-2086	EA		4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,415.54	295.16
			For Class 52 Rating, Deduct	-216.52	
			For Class 54 Rating, Add	300.62	
			For Class 55 Rating, Add	449.67	
			For Class 56 Rating, Add	596.76	
40 05 19 00-2087	EA		4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,537.80	299.55
			For Class 52 Rating, Deduct	-229.23	
			For Class 54 Rating, Add	318.04	
			For Class 55 Rating, Add	475.61	
			For Class 56 Rating, Add	631.10	
40 05 19 00-2088	EA		4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,660.07	303.94
			For Class 52 Rating, Deduct	-241.95	
			For Class 54 Rating, Add	335.46	
			For Class 55 Rating, Add	501.55	
			For Class 56 Rating, Add	665.44	
40 05 19 00-2089	EA		4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,782.32	308.34
			For Class 52 Rating, Deduct	-254.67	
			For Class 54 Rating, Add	352.88	
			For Class 55 Rating, Add	527.49	
			For Class 56 Rating, Add	699.78	
40 05 19 00-2090	EA		4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,904.58	312.73
			For Class 52 Rating, Deduct	-267.38	
			For Class 54 Rating, Add	370.30	
			For Class 55 Rating, Add	553.43	
			For Class 56 Rating, Add	734.13	
40 05 19 00-2091	EA		4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,026.84	317.12
			For Class 52 Rating, Deduct	-280.10	
			For Class 54 Rating, Add	387.72	
			For Class 55 Rating, Add	579.37	
			For Class 56 Rating, Add	768.47	
40 05 19 00-2092	EA		4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,149.10	321.51
			For Class 52 Rating, Deduct	-292.82	
			For Class 54 Rating, Add	405.14	
			For Class 55 Rating, Add	605.31	
			For Class 56 Rating, Add	802.82	
40 05 19 00-2093	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,271.37	325.91
			For Class 52 Rating, Deduct	-305.53	
			For Class 54 Rating, Add	422.56	
			For Class 55 Rating, Add	631.25	
			For Class 56 Rating, Add	837.16	
40 05 19 00-2094	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,393.63	330.30
			For Class 52 Rating, Deduct	-318.25	
			For Class 54 Rating, Add	439.98	
			For Class 55 Rating, Add	657.19	
			For Class 56 Rating, Add	871.50	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2095	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	3,515.89	334.69
		Pipe		
		For Class 52 Rating, Deduct	-330.97	
		For Class 54 Rating, Add	457.40	
		For Class 55 Rating, Add	683.13	
		For Class 56 Rating, Add	905.85	
40 05 19 00-2096	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	3,638.14	339.08
		Pipe		
		For Class 52 Rating, Deduct	-343.68	
		For Class 54 Rating, Add	474.82	
		For Class 55 Rating, Add	709.07	
		For Class 56 Rating, Add	940.19	
40 05 19 00-2097	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	3,760.40	343.48
		Pipe		
		For Class 52 Rating, Deduct	-356.40	
		For Class 54 Rating, Add	492.24	
		For Class 55 Rating, Add	735.01	
		For Class 56 Rating, Add	974.53	
40 05 19 00-2098	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	3,882.67	347.86
		Pipe		
		For Class 52 Rating, Deduct	-369.11	
		For Class 54 Rating, Add	509.66	
		For Class 55 Rating, Add	760.95	
		For Class 56 Rating, Add	1,008.87	
40 05 19 00-2099	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	4,004.93	352.26
		Pipe		
		For Class 52 Rating, Deduct	-381.83	
		For Class 54 Rating, Add	527.08	
		For Class 55 Rating, Add	786.89	
		For Class 56 Rating, Add	1,043.22	
40 05 19 00-2100	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	4,127.18	356.65
		Pipe		
		For Class 52 Rating, Deduct	-394.55	
		For Class 54 Rating, Add	544.50	
		For Class 55 Rating, Add	812.83	
		For Class 56 Rating, Add	1,077.56	
40 05 19 00-2101	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	4,249.45	361.05
		Pipe		
		For Class 52 Rating, Deduct	-407.27	
		For Class 54 Rating, Add	561.93	
		For Class 55 Rating, Add	838.77	
		For Class 56 Rating, Add	1,111.90	
40 05 19 00-2102	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	4,371.71	365.43
		Pipe		
		For Class 52 Rating, Deduct	-419.98	
		For Class 54 Rating, Add	579.35	
		For Class 55 Rating, Add	864.71	
		For Class 56 Rating, Add	1,146.25	
40 05 19 00-2103	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	4,493.97	369.83
		Pipe		
		For Class 52 Rating, Deduct	-432.70	
		For Class 54 Rating, Add	596.77	
		For Class 55 Rating, Add	890.65	
		For Class 56 Rating, Add	1,180.59	
40 05 19 00-2104	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	4,616.22	374.22
		Pipe		
		For Class 52 Rating, Deduct	-445.41	
		For Class 54 Rating, Add	614.19	
		For Class 55 Rating, Add	916.58	
		For Class 56 Rating, Add	1,214.93	
40 05 19 00-2105	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	4,738.49	378.61
		Pipe		
		For Class 52 Rating, Deduct	-458.13	
		For Class 54 Rating, Add	631.61	
		For Class 55 Rating, Add	942.52	
		For Class 56 Rating, Add	1,249.28	
40 05 19 00-2106	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	4,860.74	383.00
		Pipe		
		For Class 52 Rating, Deduct	-470.85	
		For Class 54 Rating, Add	649.03	
		For Class 55 Rating, Add	968.46	
		For Class 56 Rating, Add	1,283.62	
40 05 19 00-2107	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	4,983.01	387.40
		Pipe		
		For Class 52 Rating, Deduct	-483.56	
		For Class 54 Rating, Add	666.45	
		For Class 55 Rating, Add	994.40	
		For Class 56 Rating, Add	1,317.96	
40 05 19 00-2108	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	5,105.27	391.80
		Pipe		
		For Class 52 Rating, Deduct	-496.28	
		For Class 54 Rating, Add	683.87	
		For Class 55 Rating, Add	1,020.34	
		For Class 56 Rating, Add	1,352.30	
40 05 19 00-2109	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron	5,227.53	396.18
		Pipe		
		For Class 52 Rating, Deduct	-509.00	
		For Class 54 Rating, Add	701.29	
		For Class 55 Rating, Add	1,046.28	
		For Class 56 Rating, Add	1,386.65	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2110	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,349.78	400.58
		For Class 52 Rating, Deduct	-521.71	
		For Class 54 Rating, Add	718.71	
		For Class 55 Rating, Add	1,072.22	
		For Class 56 Rating, Add	1,420.99	
40 05 19 00-2111	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,472.05	404.97
		For Class 52 Rating, Deduct	-534.43	
		For Class 54 Rating, Add	736.13	
		For Class 55 Rating, Add	1,098.16	
		For Class 56 Rating, Add	1,455.33	
40 05 19 00-2112	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,594.31	409.37
		For Class 52 Rating, Deduct	-547.15	
		For Class 54 Rating, Add	753.55	
		For Class 55 Rating, Add	1,124.10	
		For Class 56 Rating, Add	1,489.68	
40 05 19 00-2113	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,716.57	413.75
		For Class 52 Rating, Deduct	-559.86	
		For Class 54 Rating, Add	770.97	
		For Class 55 Rating, Add	1,150.04	
		For Class 56 Rating, Add	1,524.02	
40 05 19 00-2114	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,838.82	418.15
		For Class 52 Rating, Deduct	-572.58	
		For Class 54 Rating, Add	788.39	
		For Class 55 Rating, Add	1,175.98	
		For Class 56 Rating, Add	1,558.36	
40 05 19 00-2115 6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe				
		(40 05 19 00-2074)		
40 05 19 00-2116	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,492.23	316.24
		For Class 52 Rating, Deduct	-111.44	
		For Class 54 Rating, Add	157.71	
		For Class 55 Rating, Add	237.41	
		For Class 56 Rating, Add	316.11	
40 05 19 00-2117	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,632.74	320.64
		For Class 52 Rating, Deduct	-126.16	
		For Class 54 Rating, Add	177.87	
		For Class 55 Rating, Add	267.42	
		For Class 56 Rating, Add	355.83	
40 05 19 00-2118	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,773.25	325.02
		For Class 52 Rating, Deduct	-140.89	
		For Class 54 Rating, Add	198.03	
		For Class 55 Rating, Add	297.43	
		For Class 56 Rating, Add	395.56	
40 05 19 00-2119	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,913.76	329.42
		For Class 52 Rating, Deduct	-155.61	
		For Class 54 Rating, Add	218.19	
		For Class 55 Rating, Add	327.44	
		For Class 56 Rating, Add	435.29	
40 05 19 00-2120	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,054.27	333.81
		For Class 52 Rating, Deduct	-170.34	
		For Class 54 Rating, Add	238.34	
		For Class 55 Rating, Add	357.45	
		For Class 56 Rating, Add	475.02	
40 05 19 00-2121	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,194.80	338.21
		For Class 52 Rating, Deduct	-185.06	
		For Class 54 Rating, Add	258.50	
		For Class 55 Rating, Add	387.46	
		For Class 56 Rating, Add	514.74	
40 05 19 00-2122	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,335.31	342.59
		For Class 52 Rating, Deduct	-199.78	
		For Class 54 Rating, Add	278.66	
		For Class 55 Rating, Add	417.48	
		For Class 56 Rating, Add	554.47	
40 05 19 00-2123	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,475.82	346.99
		For Class 52 Rating, Deduct	-214.51	
		For Class 54 Rating, Add	298.82	
		For Class 55 Rating, Add	447.49	
		For Class 56 Rating, Add	594.20	
40 05 19 00-2124	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,616.33	351.38
		For Class 52 Rating, Deduct	-229.23	
		For Class 54 Rating, Add	318.98	
		For Class 55 Rating, Add	477.49	
		For Class 56 Rating, Add	633.93	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2125	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,756.84	355.78
		For Class 52 Rating, Deduct	-243.96	
		For Class 54 Rating, Add	339.14	
		For Class 55 Rating, Add	507.50	
		For Class 56 Rating, Add	673.65	
40 05 19 00-2126	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,897.36	360.16
		For Class 52 Rating, Deduct	-258.68	
		For Class 54 Rating, Add	359.30	
		For Class 55 Rating, Add	537.51	
		For Class 56 Rating, Add	713.38	
40 05 19 00-2127	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,037.87	364.56
		For Class 52 Rating, Deduct	-273.41	
		For Class 54 Rating, Add	379.45	
		For Class 55 Rating, Add	567.53	
		For Class 56 Rating, Add	753.11	
40 05 19 00-2128	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,178.39	368.95
		For Class 52 Rating, Deduct	-288.13	
		For Class 54 Rating, Add	399.61	
		For Class 55 Rating, Add	597.54	
		For Class 56 Rating, Add	792.84	
40 05 19 00-2129	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,318.90	373.34
		For Class 52 Rating, Deduct	-302.86	
		For Class 54 Rating, Add	419.77	
		For Class 55 Rating, Add	627.55	
		For Class 56 Rating, Add	832.57	
40 05 19 00-2130	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,459.42	377.73
		For Class 52 Rating, Deduct	-317.58	
		For Class 54 Rating, Add	439.93	
		For Class 55 Rating, Add	657.56	
		For Class 56 Rating, Add	872.30	
40 05 19 00-2131	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,599.92	382.13
		For Class 52 Rating, Deduct	-332.30	
		For Class 54 Rating, Add	460.09	
		For Class 55 Rating, Add	687.57	
		For Class 56 Rating, Add	912.02	
40 05 19 00-2132	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,740.44	386.53
		For Class 52 Rating, Deduct	-347.03	
		For Class 54 Rating, Add	480.25	
		For Class 55 Rating, Add	717.58	
		For Class 56 Rating, Add	951.75	
40 05 19 00-2133	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,880.95	390.91
		For Class 52 Rating, Deduct	-361.75	
		For Class 54 Rating, Add	500.41	
		For Class 55 Rating, Add	747.59	
		For Class 56 Rating, Add	991.48	
40 05 19 00-2134	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,021.46	395.31
		For Class 52 Rating, Deduct	-376.48	
		For Class 54 Rating, Add	520.57	
		For Class 55 Rating, Add	777.60	
		For Class 56 Rating, Add	1,031.21	
40 05 19 00-2135	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,161.99	399.70
		For Class 52 Rating, Deduct	-391.20	
		For Class 54 Rating, Add	540.72	
		For Class 55 Rating, Add	807.61	
		For Class 56 Rating, Add	1,070.93	
40 05 19 00-2136	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,302.50	404.09
		For Class 52 Rating, Deduct	-405.93	
		For Class 54 Rating, Add	560.88	
		For Class 55 Rating, Add	837.62	
		For Class 56 Rating, Add	1,110.66	
40 05 19 00-2137	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,443.01	408.48
		For Class 52 Rating, Deduct	-420.65	
		For Class 54 Rating, Add	581.04	
		For Class 55 Rating, Add	867.63	
		For Class 56 Rating, Add	1,150.39	
40 05 19 00-2138	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,583.51	412.88
		For Class 52 Rating, Deduct	-435.37	
		For Class 54 Rating, Add	601.20	
		For Class 55 Rating, Add	897.64	
		For Class 56 Rating, Add	1,190.12	
40 05 19 00-2139	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,724.04	417.27
		For Class 52 Rating, Deduct	-450.10	
		For Class 54 Rating, Add	621.36	
		For Class 55 Rating, Add	927.65	
		For Class 56 Rating, Add	1,229.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2140	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		4,864.55	421.66
		For Class 52 Rating, Deduct		-464.82	
		For Class 54 Rating, Add		641.52	
		For Class 55 Rating, Add		957.66	
		For Class 56 Rating, Add		1,269.57	
40 05 19 00-2141	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,005.06	426.05
		For Class 52 Rating, Deduct		-479.55	
		For Class 54 Rating, Add		661.68	
		For Class 55 Rating, Add		987.67	
		For Class 56 Rating, Add		1,309.30	
40 05 19 00-2142	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,145.58	430.45
		For Class 52 Rating, Deduct		-494.27	
		For Class 54 Rating, Add		681.83	
		For Class 55 Rating, Add		1,017.68	
		For Class 56 Rating, Add		1,349.03	
40 05 19 00-2143	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,286.09	434.84
		For Class 52 Rating, Deduct		-509.00	
		For Class 54 Rating, Add		701.99	
		For Class 55 Rating, Add		1,047.69	
		For Class 56 Rating, Add		1,388.76	
40 05 19 00-2144	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,426.61	439.23
		For Class 52 Rating, Deduct		-523.72	
		For Class 54 Rating, Add		722.15	
		For Class 55 Rating, Add		1,077.70	
		For Class 56 Rating, Add		1,428.49	
40 05 19 00-2145	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,567.11	443.62
		For Class 52 Rating, Deduct		-538.45	
		For Class 54 Rating, Add		742.31	
		For Class 55 Rating, Add		1,107.71	
		For Class 56 Rating, Add		1,468.21	
40 05 19 00-2146	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,707.63	448.02
		For Class 52 Rating, Deduct		-553.17	
		For Class 54 Rating, Add		762.47	
		For Class 55 Rating, Add		1,137.72	
		For Class 56 Rating, Add		1,507.94	
40 05 19 00-2147	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,848.14	452.40
		For Class 52 Rating, Deduct		-567.89	
		For Class 54 Rating, Add		782.63	
		For Class 55 Rating, Add		1,167.73	
		For Class 56 Rating, Add		1,547.67	
40 05 19 00-2148	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		5,988.65	456.80
		For Class 52 Rating, Deduct		-582.62	
		For Class 54 Rating, Add		802.79	
		For Class 55 Rating, Add		1,197.74	
		For Class 56 Rating, Add		1,587.40	
40 05 19 00-2149	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		6,129.18	461.19
		For Class 52 Rating, Deduct		-597.34	
		For Class 54 Rating, Add		822.95	
		For Class 55 Rating, Add		1,227.75	
		For Class 56 Rating, Add		1,627.12	
40 05 19 00-2150	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		6,269.69	465.59
		For Class 52 Rating, Deduct		-612.07	
		For Class 54 Rating, Add		843.10	
		For Class 55 Rating, Add		1,257.76	
		For Class 56 Rating, Add		1,666.85	
40 05 19 00-2151	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		6,410.20	469.97
		For Class 52 Rating, Deduct		-626.79	
		For Class 54 Rating, Add		863.26	
		For Class 55 Rating, Add		1,287.77	
		For Class 56 Rating, Add		1,706.58	
40 05 19 00-2152	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		6,550.70	474.37
		For Class 52 Rating, Deduct		-641.52	
		For Class 54 Rating, Add		883.42	
		For Class 55 Rating, Add		1,317.78	
		For Class 56 Rating, Add		1,746.31	
40 05 19 00-2153	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		6,691.23	478.76
		For Class 52 Rating, Deduct		-656.24	
		For Class 54 Rating, Add		903.58	
		For Class 55 Rating, Add		1,347.79	
		For Class 56 Rating, Add		1,786.03	
40 05 19 00-2154	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		6,831.74	483.15
		For Class 52 Rating, Deduct		-670.97	
		For Class 54 Rating, Add		923.74	
		For Class 55 Rating, Add		1,377.80	
		For Class 56 Rating, Add		1,825.76	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2155		8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe			
		(40 05 19 00-2074)			
40 05 19 00-2156	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,075.58	404.09	
		For Class 52 Rating, Deduct	-160.97		
		For Class 54 Rating, Add	226.85		
		For Class 55 Rating, Add	341.01		
		For Class 56 Rating, Add	453.72		
40 05 19 00-2157	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,255.64	408.48	
		For Class 52 Rating, Deduct	-180.04		
		For Class 54 Rating, Add	252.94		
		For Class 55 Rating, Add	379.84		
		For Class 56 Rating, Add	505.12		
40 05 19 00-2158	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,435.69	412.88	
		For Class 52 Rating, Deduct	-199.11		
		For Class 54 Rating, Add	279.03		
		For Class 55 Rating, Add	418.67		
		For Class 56 Rating, Add	556.51		
40 05 19 00-2159	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,615.77	417.27	
		For Class 52 Rating, Deduct	-218.19		
		For Class 54 Rating, Add	305.12		
		For Class 55 Rating, Add	457.50		
		For Class 56 Rating, Add	607.90		
40 05 19 00-2160	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,795.83	421.66	
		For Class 52 Rating, Deduct	-237.26		
		For Class 54 Rating, Add	331.21		
		For Class 55 Rating, Add	496.33		
		For Class 56 Rating, Add	659.30		
40 05 19 00-2161	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,975.89	426.05	
		For Class 52 Rating, Deduct	-256.34		
		For Class 54 Rating, Add	357.30		
		For Class 55 Rating, Add	535.16		
		For Class 56 Rating, Add	710.70		
40 05 19 00-2162	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,155.95	430.45	
		For Class 52 Rating, Deduct	-275.41		
		For Class 54 Rating, Add	383.39		
		For Class 55 Rating, Add	573.99		
		For Class 56 Rating, Add	762.09		
40 05 19 00-2163	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,336.01	434.84	
		For Class 52 Rating, Deduct	-294.49		
		For Class 54 Rating, Add	409.48		
		For Class 55 Rating, Add	612.82		
		For Class 56 Rating, Add	813.48		
40 05 19 00-2164	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,516.08	439.23	
		For Class 52 Rating, Deduct	-313.56		
		For Class 54 Rating, Add	435.57		
		For Class 55 Rating, Add	651.65		
		For Class 56 Rating, Add	864.88		
40 05 19 00-2165	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,696.14	443.62	
		For Class 52 Rating, Deduct	-332.64		
		For Class 54 Rating, Add	461.66		
		For Class 55 Rating, Add	690.48		
		For Class 56 Rating, Add	916.27		
40 05 19 00-2166	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,876.20	448.02	
		For Class 52 Rating, Deduct	-351.71		
		For Class 54 Rating, Add	487.75		
		For Class 55 Rating, Add	729.31		
		For Class 56 Rating, Add	967.67		
40 05 19 00-2167	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,056.26	452.40	
		For Class 52 Rating, Deduct	-370.79		
		For Class 54 Rating, Add	513.85		
		For Class 55 Rating, Add	768.14		
		For Class 56 Rating, Add	1,019.06		
40 05 19 00-2168	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,236.32	456.80	
		For Class 52 Rating, Deduct	-389.86		
		For Class 54 Rating, Add	539.94		
		For Class 55 Rating, Add	806.97		
		For Class 56 Rating, Add	1,070.46		
40 05 19 00-2169	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,416.40	461.19	
		For Class 52 Rating, Deduct	-408.94		
		For Class 54 Rating, Add	566.03		
		For Class 55 Rating, Add	845.80		
		For Class 56 Rating, Add	1,121.85		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2170	EA	8"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,596.45 -428.01 592.12 884.63 1,173.25	465.59
40 05 19 00-2171	EA	8"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,776.51 -447.09 618.21 923.46 1,224.64	469.97
40 05 19 00-2172	EA	8"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	4,956.57 -466.16 644.30 962.29 1,276.04	474.37
40 05 19 00-2173	EA	8"	Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,136.65 -485.24 670.39 1,001.12 1,327.43	478.76
40 05 19 00-2174	EA	8"	Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,316.71 -504.31 696.48 1,039.95 1,378.83	483.15
40 05 19 00-2175	EA	8"	Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,496.76 -523.39 722.57 1,078.78 1,430.22	487.54
40 05 19 00-2176	EA	8"	Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,676.83 -542.46 748.66 1,117.61 1,481.62	491.94
40 05 19 00-2177	EA	8"	Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	5,856.89 -561.54 774.76 1,156.44 1,533.01	496.33
40 05 19 00-2178	EA	8"	Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	6,036.96 -580.61 800.85 1,195.27 1,584.41	500.72
40 05 19 00-2179	EA	8"	Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	6,217.01 -599.69 826.94 1,234.09 1,635.80	505.11
40 05 19 00-2180	EA	8"	Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	6,397.08 -618.76 853.03 1,272.92 1,687.20	509.51
40 05 19 00-2181	EA	8"	Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	6,577.14 -637.84 879.12 1,311.75 1,738.59	513.90
40 05 19 00-2182	EA	8"	Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	6,757.20 -656.91 905.21 1,350.58 1,789.99	518.29
40 05 19 00-2183	EA	8"	Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	6,937.26 -675.99 931.30 1,389.41 1,841.38	522.68
40 05 19 00-2184	EA	8"	Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe For Class 52 Rating, Deduct For Class 54 Rating, Add For Class 55 Rating, Add For Class 56 Rating, Add	7,117.33 -695.06 957.39 1,428.24 1,892.77	527.08

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2185	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,297.39	531.46
		For Class 52 Rating, Deduct	-714.14	
		For Class 54 Rating, Add	983.48	
		For Class 55 Rating, Add	1,467.07	
		For Class 56 Rating, Add	1,944.17	
40 05 19 00-2186	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,477.45	535.86
		For Class 52 Rating, Deduct	-733.21	
		For Class 54 Rating, Add	1,009.58	
		For Class 55 Rating, Add	1,505.90	
		For Class 56 Rating, Add	1,995.57	
40 05 19 00-2187	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,657.53	540.25
		For Class 52 Rating, Deduct	-752.29	
		For Class 54 Rating, Add	1,035.67	
		For Class 55 Rating, Add	1,544.73	
		For Class 56 Rating, Add	2,046.96	
40 05 19 00-2188	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,837.58	544.65
		For Class 52 Rating, Deduct	-771.36	
		For Class 54 Rating, Add	1,061.76	
		For Class 55 Rating, Add	1,583.56	
		For Class 56 Rating, Add	2,098.35	
40 05 19 00-2189	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,017.64	549.03
		For Class 52 Rating, Deduct	-790.43	
		For Class 54 Rating, Add	1,087.85	
		For Class 55 Rating, Add	1,622.39	
		For Class 56 Rating, Add	2,149.75	
40 05 19 00-2190	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,197.70	553.43
		For Class 52 Rating, Deduct	-809.51	
		For Class 54 Rating, Add	1,113.94	
		For Class 55 Rating, Add	1,661.22	
		For Class 56 Rating, Add	2,201.14	
40 05 19 00-2191	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,377.77	557.82
		For Class 52 Rating, Deduct	-828.58	
		For Class 54 Rating, Add	1,140.03	
		For Class 55 Rating, Add	1,700.05	
		For Class 56 Rating, Add	2,252.54	
40 05 19 00-2192	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,557.83	562.21
		For Class 52 Rating, Deduct	-847.66	
		For Class 54 Rating, Add	1,166.12	
		For Class 55 Rating, Add	1,738.88	
		For Class 56 Rating, Add	2,303.93	
40 05 19 00-2193	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,737.89	566.60
		For Class 52 Rating, Deduct	-866.73	
		For Class 54 Rating, Add	1,192.21	
		For Class 55 Rating, Add	1,777.71	
		For Class 56 Rating, Add	2,355.33	
40 05 19 00-2194	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,917.96	571.00
		For Class 52 Rating, Deduct	-885.81	
		For Class 54 Rating, Add	1,218.30	
		For Class 55 Rating, Add	1,816.54	
		For Class 56 Rating, Add	2,406.72	

40 05 19 00-2195 10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2074)

40 05 19 00-2196	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,619.38	491.94
		For Class 52 Rating, Deduct	-206.14	
		For Class 54 Rating, Add	290.05	
		For Class 55 Rating, Add	435.80	
		For Class 56 Rating, Add	579.67	
40 05 19 00-2197	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,851.16	496.33
		For Class 52 Rating, Deduct	-230.91	
		For Class 54 Rating, Add	323.90	
		For Class 55 Rating, Add	486.16	
		For Class 56 Rating, Add	646.32	
40 05 19 00-2198	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,082.94	500.72
		For Class 52 Rating, Deduct	-255.67	
		For Class 54 Rating, Add	357.74	
		For Class 55 Rating, Add	536.52	
		For Class 56 Rating, Add	712.97	
40 05 19 00-2199	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,314.72	505.11
		For Class 52 Rating, Deduct	-280.43	
		For Class 54 Rating, Add	391.59	
		For Class 55 Rating, Add	586.88	
		For Class 56 Rating, Add	779.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2200	EA	10"	Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,546.50	509.51
			For Class 52 Rating, Deduct	-305.20	
			For Class 54 Rating, Add	425.44	
			For Class 55 Rating, Add	637.25	
			For Class 56 Rating, Add	846.27	
40 05 19 00-2201	EA	10"	Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,778.28	513.90
			For Class 52 Rating, Deduct	-329.96	
			For Class 54 Rating, Add	459.29	
			For Class 55 Rating, Add	687.61	
			For Class 56 Rating, Add	912.93	
40 05 19 00-2202	EA	10"	Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,010.05	518.29
			For Class 52 Rating, Deduct	-354.72	
			For Class 54 Rating, Add	493.14	
			For Class 55 Rating, Add	737.97	
			For Class 56 Rating, Add	979.58	
40 05 19 00-2203	EA	10"	Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,241.84	522.68
			For Class 52 Rating, Deduct	-379.49	
			For Class 54 Rating, Add	526.99	
			For Class 55 Rating, Add	788.33	
			For Class 56 Rating, Add	1,046.23	
40 05 19 00-2204	EA	10"	Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,473.63	527.08
			For Class 52 Rating, Deduct	-404.25	
			For Class 54 Rating, Add	560.84	
			For Class 55 Rating, Add	838.70	
			For Class 56 Rating, Add	1,112.88	
40 05 19 00-2205	EA	10"	Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,705.40	531.46
			For Class 52 Rating, Deduct	-429.02	
			For Class 54 Rating, Add	594.69	
			For Class 55 Rating, Add	889.06	
			For Class 56 Rating, Add	1,179.53	
40 05 19 00-2206	EA	10"	Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,937.18	535.86
			For Class 52 Rating, Deduct	-453.78	
			For Class 54 Rating, Add	628.53	
			For Class 55 Rating, Add	939.42	
			For Class 56 Rating, Add	1,246.19	
40 05 19 00-2207	EA	10"	Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,168.97	540.25
			For Class 52 Rating, Deduct	-478.54	
			For Class 54 Rating, Add	662.38	
			For Class 55 Rating, Add	989.78	
			For Class 56 Rating, Add	1,312.84	
40 05 19 00-2208	EA	10"	Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,400.75	544.65
			For Class 52 Rating, Deduct	-503.31	
			For Class 54 Rating, Add	696.23	
			For Class 55 Rating, Add	1,040.15	
			For Class 56 Rating, Add	1,379.49	
40 05 19 00-2209	EA	10"	Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,632.52	549.03
			For Class 52 Rating, Deduct	-528.07	
			For Class 54 Rating, Add	730.08	
			For Class 55 Rating, Add	1,090.51	
			For Class 56 Rating, Add	1,446.14	
40 05 19 00-2210	EA	10"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,864.30	553.43
			For Class 52 Rating, Deduct	-552.84	
			For Class 54 Rating, Add	763.93	
			For Class 55 Rating, Add	1,140.87	
			For Class 56 Rating, Add	1,512.79	
40 05 19 00-2211	EA	10"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,096.09	557.82
			For Class 52 Rating, Deduct	-577.60	
			For Class 54 Rating, Add	797.78	
			For Class 55 Rating, Add	1,191.24	
			For Class 56 Rating, Add	1,579.44	
40 05 19 00-2212	EA	10"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,327.87	562.21
			For Class 52 Rating, Deduct	-602.36	
			For Class 54 Rating, Add	831.63	
			For Class 55 Rating, Add	1,241.60	
			For Class 56 Rating, Add	1,646.10	
40 05 19 00-2213	EA	10"	Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,559.65	566.60
			For Class 52 Rating, Deduct	-627.13	
			For Class 54 Rating, Add	865.48	
			For Class 55 Rating, Add	1,291.96	
			For Class 56 Rating, Add	1,712.75	
40 05 19 00-2214	EA	10"	Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,791.43	571.00
			For Class 52 Rating, Deduct	-651.89	
			For Class 54 Rating, Add	899.32	
			For Class 55 Rating, Add	1,342.32	
			For Class 56 Rating, Add	1,779.40	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2215	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,023.21	575.39
		For Class 52 Rating, Deduct	-676.66	
		For Class 54 Rating, Add	933.17	
		For Class 55 Rating, Add	1,392.69	
		For Class 56 Rating, Add	1,846.05	
40 05 19 00-2216	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,254.99	579.78
		For Class 52 Rating, Deduct	-701.42	
		For Class 54 Rating, Add	967.02	
		For Class 55 Rating, Add	1,443.05	
		For Class 56 Rating, Add	1,912.70	
40 05 19 00-2217	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,486.77	584.17
		For Class 52 Rating, Deduct	-726.18	
		For Class 54 Rating, Add	1,000.87	
		For Class 55 Rating, Add	1,493.41	
		For Class 56 Rating, Add	1,979.35	
40 05 19 00-2218	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,718.56	588.57
		For Class 52 Rating, Deduct	-750.95	
		For Class 54 Rating, Add	1,034.72	
		For Class 55 Rating, Add	1,543.78	
		For Class 56 Rating, Add	2,046.01	
40 05 19 00-2219	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,950.33	592.96
		For Class 52 Rating, Deduct	-775.71	
		For Class 54 Rating, Add	1,068.57	
		For Class 55 Rating, Add	1,594.14	
		For Class 56 Rating, Add	2,112.66	
40 05 19 00-2220	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,182.11	597.35
		For Class 52 Rating, Deduct	-800.47	
		For Class 54 Rating, Add	1,102.42	
		For Class 55 Rating, Add	1,644.50	
		For Class 56 Rating, Add	2,179.31	
40 05 19 00-2221	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,413.90	601.74
		For Class 52 Rating, Deduct	-825.24	
		For Class 54 Rating, Add	1,136.26	
		For Class 55 Rating, Add	1,694.86	
		For Class 56 Rating, Add	2,245.96	
40 05 19 00-2222	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,645.68	606.14
		For Class 52 Rating, Deduct	-850.00	
		For Class 54 Rating, Add	1,170.11	
		For Class 55 Rating, Add	1,745.23	
		For Class 56 Rating, Add	2,312.61	
40 05 19 00-2223	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,877.46	610.52
		For Class 52 Rating, Deduct	-874.77	
		For Class 54 Rating, Add	1,203.96	
		For Class 55 Rating, Add	1,795.59	
		For Class 56 Rating, Add	2,379.27	
40 05 19 00-2224	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,109.23	614.92
		For Class 52 Rating, Deduct	-899.53	
		For Class 54 Rating, Add	1,237.81	
		For Class 55 Rating, Add	1,845.95	
		For Class 56 Rating, Add	2,445.92	
40 05 19 00-2225	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,341.02	619.31
		For Class 52 Rating, Deduct	-924.29	
		For Class 54 Rating, Add	1,271.66	
		For Class 55 Rating, Add	1,896.32	
		For Class 56 Rating, Add	2,512.57	
40 05 19 00-2226	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,572.80	623.71
		For Class 52 Rating, Deduct	-949.06	
		For Class 54 Rating, Add	1,305.51	
		For Class 55 Rating, Add	1,946.68	
		For Class 56 Rating, Add	2,579.22	
40 05 19 00-2227	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,804.58	628.09
		For Class 52 Rating, Deduct	-973.82	
		For Class 54 Rating, Add	1,339.36	
		For Class 55 Rating, Add	1,997.04	
		For Class 56 Rating, Add	2,645.87	
40 05 19 00-2228	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,036.36	632.49
		For Class 52 Rating, Deduct	-998.58	
		For Class 54 Rating, Add	1,373.21	
		For Class 55 Rating, Add	2,047.40	
		For Class 56 Rating, Add	2,712.52	
40 05 19 00-2229	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,268.14	636.88
		For Class 52 Rating, Deduct	-1,023.35	
		For Class 54 Rating, Add	1,407.06	
		For Class 55 Rating, Add	2,097.77	
		For Class 56 Rating, Add	2,779.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2230	EA		10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,499.93	641.27
			For Class 52 Rating, Deduct	-1,048.11	
			For Class 54 Rating, Add	1,440.90	
			For Class 55 Rating, Add	2,148.13	
			For Class 56 Rating, Add	2,845.83	
40 05 19 00-2231	EA		10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,731.70	645.66
			For Class 52 Rating, Deduct	-1,072.88	
			For Class 54 Rating, Add	1,474.75	
			For Class 55 Rating, Add	2,198.49	
			For Class 56 Rating, Add	2,912.48	
40 05 19 00-2232	EA		10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,963.49	650.06
			For Class 52 Rating, Deduct	-1,097.64	
			For Class 54 Rating, Add	1,508.60	
			For Class 55 Rating, Add	2,248.86	
			For Class 56 Rating, Add	2,979.13	
40 05 19 00-2233	EA		10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,195.26	654.45
			For Class 52 Rating, Deduct	-1,122.40	
			For Class 54 Rating, Add	1,542.45	
			For Class 55 Rating, Add	2,299.22	
			For Class 56 Rating, Add	3,045.78	
40 05 19 00-2234	EA		10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,427.04	658.84
			For Class 52 Rating, Deduct	-1,147.17	
			For Class 54 Rating, Add	1,576.30	
			For Class 55 Rating, Add	2,349.58	
			For Class 56 Rating, Add	3,112.43	
40 05 19 00-2235			12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2074)		
40 05 19 00-2236	EA		12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,426.33	614.92
			For Class 52 Rating, Deduct	-274.41	
			For Class 54 Rating, Add	385.38	
			For Class 55 Rating, Add	578.67	
			For Class 56 Rating, Add	769.46	
40 05 19 00-2237	EA		12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,712.87	619.31
			For Class 52 Rating, Deduct	-305.20	
			For Class 54 Rating, Add	427.44	
			For Class 55 Rating, Add	641.24	
			For Class 56 Rating, Add	852.26	
40 05 19 00-2238	EA		12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,999.42	623.71
			For Class 52 Rating, Deduct	-335.99	
			For Class 54 Rating, Add	469.50	
			For Class 55 Rating, Add	703.81	
			For Class 56 Rating, Add	935.07	
40 05 19 00-2239	EA		12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,285.96	628.09
			For Class 52 Rating, Deduct	-366.77	
			For Class 54 Rating, Add	511.56	
			For Class 55 Rating, Add	766.39	
			For Class 56 Rating, Add	1,017.88	
40 05 19 00-2240	EA		12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,572.50	632.49
			For Class 52 Rating, Deduct	-397.56	
			For Class 54 Rating, Add	553.63	
			For Class 55 Rating, Add	828.96	
			For Class 56 Rating, Add	1,100.68	
40 05 19 00-2241	EA		12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,859.04	636.88
			For Class 52 Rating, Deduct	-428.35	
			For Class 54 Rating, Add	595.69	
			For Class 55 Rating, Add	891.54	
			For Class 56 Rating, Add	1,183.49	
40 05 19 00-2242	EA		12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,145.58	641.27
			For Class 52 Rating, Deduct	-459.13	
			For Class 54 Rating, Add	637.75	
			For Class 55 Rating, Add	954.11	
			For Class 56 Rating, Add	1,266.29	
40 05 19 00-2243	EA		12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,432.12	645.66
			For Class 52 Rating, Deduct	-489.92	
			For Class 54 Rating, Add	679.82	
			For Class 55 Rating, Add	1,016.69	
			For Class 56 Rating, Add	1,349.10	
40 05 19 00-2244	EA		12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,718.67	650.06
			For Class 52 Rating, Deduct	-520.71	
			For Class 54 Rating, Add	721.88	
			For Class 55 Rating, Add	1,079.26	
			For Class 56 Rating, Add	1,431.91	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2245	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,005.20	654.45
		For Class 52 Rating, Deduct	-551.50	
		For Class 54 Rating, Add	763.94	
		For Class 55 Rating, Add	1,141.83	
		For Class 56 Rating, Add	1,514.71	
40 05 19 00-2246	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,291.74	658.84
		For Class 52 Rating, Deduct	-582.29	
		For Class 54 Rating, Add	806.00	
		For Class 55 Rating, Add	1,204.41	
		For Class 56 Rating, Add	1,597.52	
40 05 19 00-2247	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,578.28	663.23
		For Class 52 Rating, Deduct	-613.07	
		For Class 54 Rating, Add	848.07	
		For Class 55 Rating, Add	1,266.98	
		For Class 56 Rating, Add	1,680.32	
40 05 19 00-2248	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,864.83	667.63
		For Class 52 Rating, Deduct	-643.86	
		For Class 54 Rating, Add	890.13	
		For Class 55 Rating, Add	1,329.56	
		For Class 56 Rating, Add	1,763.13	
40 05 19 00-2249	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,151.37	672.02
		For Class 52 Rating, Deduct	-674.65	
		For Class 54 Rating, Add	932.19	
		For Class 55 Rating, Add	1,392.13	
		For Class 56 Rating, Add	1,845.94	
40 05 19 00-2250	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,437.90	676.41
		For Class 52 Rating, Deduct	-705.43	
		For Class 54 Rating, Add	974.25	
		For Class 55 Rating, Add	1,454.70	
		For Class 56 Rating, Add	1,928.74	
40 05 19 00-2251	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,724.45	680.80
		For Class 52 Rating, Deduct	-736.22	
		For Class 54 Rating, Add	1,016.32	
		For Class 55 Rating, Add	1,517.28	
		For Class 56 Rating, Add	2,011.55	
40 05 19 00-2252	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,010.99	685.20
		For Class 52 Rating, Deduct	-767.01	
		For Class 54 Rating, Add	1,058.38	
		For Class 55 Rating, Add	1,579.85	
		For Class 56 Rating, Add	2,094.35	
40 05 19 00-2253	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,297.53	689.58
		For Class 52 Rating, Deduct	-797.80	
		For Class 54 Rating, Add	1,100.44	
		For Class 55 Rating, Add	1,642.43	
		For Class 56 Rating, Add	2,177.16	
40 05 19 00-2254	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,584.07	693.98
		For Class 52 Rating, Deduct	-828.58	
		For Class 54 Rating, Add	1,142.51	
		For Class 55 Rating, Add	1,705.00	
		For Class 56 Rating, Add	2,259.97	
40 05 19 00-2255	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,870.61	698.37
		For Class 52 Rating, Deduct	-859.37	
		For Class 54 Rating, Add	1,184.57	
		For Class 55 Rating, Add	1,767.58	
		For Class 56 Rating, Add	2,342.77	
40 05 19 00-2256	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,157.16	702.77
		For Class 52 Rating, Deduct	-890.16	
		For Class 54 Rating, Add	1,226.63	
		For Class 55 Rating, Add	1,830.15	
		For Class 56 Rating, Add	2,425.58	
40 05 19 00-2257	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,443.69	707.15
		For Class 52 Rating, Deduct	-920.95	
		For Class 54 Rating, Add	1,268.69	
		For Class 55 Rating, Add	1,892.72	
		For Class 56 Rating, Add	2,508.38	
40 05 19 00-2258	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,730.24	711.55
		For Class 52 Rating, Deduct	-951.73	
		For Class 54 Rating, Add	1,310.76	
		For Class 55 Rating, Add	1,955.30	
		For Class 56 Rating, Add	2,591.19	
40 05 19 00-2259	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,016.78	715.94
		For Class 52 Rating, Deduct	-982.52	
		For Class 54 Rating, Add	1,352.82	
		For Class 55 Rating, Add	2,017.87	
		For Class 56 Rating, Add	2,674.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2260	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,300.27	720.33
			For Class 52 Rating, Deduct	-1,012.97	
			For Class 54 Rating, Add	1,394.43	
			For Class 55 Rating, Add	2,079.77	
			For Class 56 Rating, Add	2,755.90	
40 05 19 00-2261	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,589.86	724.72
			For Class 52 Rating, Deduct	-1,044.10	
			For Class 54 Rating, Add	1,436.95	
			For Class 55 Rating, Add	2,143.02	
			For Class 56 Rating, Add	2,839.61	
40 05 19 00-2262	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,876.40	729.12
			For Class 52 Rating, Deduct	-1,074.88	
			For Class 54 Rating, Add	1,479.01	
			For Class 55 Rating, Add	2,205.60	
			For Class 56 Rating, Add	2,922.41	
40 05 19 00-2263	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,162.94	733.51
			For Class 52 Rating, Deduct	-1,105.67	
			For Class 54 Rating, Add	1,521.07	
			For Class 55 Rating, Add	2,268.17	
			For Class 56 Rating, Add	3,005.22	
40 05 19 00-2264	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,449.48	737.90
			For Class 52 Rating, Deduct	-1,136.46	
			For Class 54 Rating, Add	1,563.13	
			For Class 55 Rating, Add	2,330.75	
			For Class 56 Rating, Add	3,088.03	
40 05 19 00-2265	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,736.02	742.29
			For Class 52 Rating, Deduct	-1,167.25	
			For Class 54 Rating, Add	1,605.20	
			For Class 55 Rating, Add	2,393.32	
			For Class 56 Rating, Add	3,170.83	
40 05 19 00-2266	EA		12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,022.57	746.69
			For Class 52 Rating, Deduct	-1,198.03	
			For Class 54 Rating, Add	1,647.26	
			For Class 55 Rating, Add	2,455.89	
			For Class 56 Rating, Add	3,253.64	
40 05 19 00-2267	EA		12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,309.11	751.08
			For Class 52 Rating, Deduct	-1,228.82	
			For Class 54 Rating, Add	1,689.32	
			For Class 55 Rating, Add	2,518.47	
			For Class 56 Rating, Add	3,336.45	
40 05 19 00-2268	EA		12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,595.64	755.47
			For Class 52 Rating, Deduct	-1,259.61	
			For Class 54 Rating, Add	1,731.38	
			For Class 55 Rating, Add	2,581.04	
			For Class 56 Rating, Add	3,419.25	
40 05 19 00-2269	EA		12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,882.19	759.86
			For Class 52 Rating, Deduct	-1,290.40	
			For Class 54 Rating, Add	1,773.45	
			For Class 55 Rating, Add	2,643.62	
			For Class 56 Rating, Add	3,502.06	
40 05 19 00-2270	EA		12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,168.73	764.26
			For Class 52 Rating, Deduct	-1,321.18	
			For Class 54 Rating, Add	1,815.51	
			For Class 55 Rating, Add	2,706.19	
			For Class 56 Rating, Add	3,584.86	
40 05 19 00-2271	EA		12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,455.27	768.65
			For Class 52 Rating, Deduct	-1,351.97	
			For Class 54 Rating, Add	1,857.57	
			For Class 55 Rating, Add	2,768.77	
			For Class 56 Rating, Add	3,667.67	
40 05 19 00-2272	EA		12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,741.82	773.04
			For Class 52 Rating, Deduct	-1,382.76	
			For Class 54 Rating, Add	1,899.64	
			For Class 55 Rating, Add	2,831.34	
			For Class 56 Rating, Add	3,750.48	
40 05 19 00-2273	EA		12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,028.35	777.44
			For Class 52 Rating, Deduct	-1,413.55	
			For Class 54 Rating, Add	1,941.70	
			For Class 55 Rating, Add	2,893.91	
			For Class 56 Rating, Add	3,833.28	
40 05 19 00-2274	EA		12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,314.89	781.83
			For Class 52 Rating, Deduct	-1,444.33	
			For Class 54 Rating, Add	1,983.76	
			For Class 55 Rating, Add	2,956.49	
			For Class 56 Rating, Add	3,916.09	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2275		14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe			
		(40 05 19 00-2074)			
40 05 19 00-2276	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,589.23	737.90	
		For Class 52 Rating, Deduct	-381.83		
		For Class 54 Rating, Add	534.10		
		For Class 55 Rating, Add	800.91		
		For Class 56 Rating, Add	1,064.25		
40 05 19 00-2277	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,936.62	742.29	
		For Class 52 Rating, Deduct	-419.31		
		For Class 54 Rating, Add	585.29		
		For Class 55 Rating, Add	877.05		
		For Class 56 Rating, Add	1,165.01		
40 05 19 00-2278	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,284.01	746.69	
		For Class 52 Rating, Deduct	-456.79		
		For Class 54 Rating, Add	636.48		
		For Class 55 Rating, Add	953.20		
		For Class 56 Rating, Add	1,265.76		
40 05 19 00-2279	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,631.39	751.08	
		For Class 52 Rating, Deduct	-494.27		
		For Class 54 Rating, Add	687.66		
		For Class 55 Rating, Add	1,029.34		
		For Class 56 Rating, Add	1,366.52		
40 05 19 00-2280	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,978.77	755.47	
		For Class 52 Rating, Deduct	-531.75		
		For Class 54 Rating, Add	738.85		
		For Class 55 Rating, Add	1,105.48		
		For Class 56 Rating, Add	1,467.27		
40 05 19 00-2281	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,326.16	759.86	
		For Class 52 Rating, Deduct	-569.23		
		For Class 54 Rating, Add	790.04		
		For Class 55 Rating, Add	1,181.62		
		For Class 56 Rating, Add	1,568.03		
40 05 19 00-2282	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,673.55	764.26	
		For Class 52 Rating, Deduct	-606.71		
		For Class 54 Rating, Add	841.23		
		For Class 55 Rating, Add	1,257.77		
		For Class 56 Rating, Add	1,668.78		
40 05 19 00-2283	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,020.93	768.65	
		For Class 52 Rating, Deduct	-644.19		
		For Class 54 Rating, Add	892.42		
		For Class 55 Rating, Add	1,333.91		
		For Class 56 Rating, Add	1,769.54		
40 05 19 00-2284	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,368.32	773.04	
		For Class 52 Rating, Deduct	-681.67		
		For Class 54 Rating, Add	943.61		
		For Class 55 Rating, Add	1,410.05		
		For Class 56 Rating, Add	1,870.29		
40 05 19 00-2285	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,715.70	777.44	
		For Class 52 Rating, Deduct	-719.15		
		For Class 54 Rating, Add	994.80		
		For Class 55 Rating, Add	1,486.19		
		For Class 56 Rating, Add	1,971.05		
40 05 19 00-2286	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,063.08	781.83	
		For Class 52 Rating, Deduct	-756.64		
		For Class 54 Rating, Add	1,045.99		
		For Class 55 Rating, Add	1,562.34		
		For Class 56 Rating, Add	2,071.80		
40 05 19 00-2287	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,410.48	786.22	
		For Class 52 Rating, Deduct	-794.12		
		For Class 54 Rating, Add	1,097.18		
		For Class 55 Rating, Add	1,638.48		
		For Class 56 Rating, Add	2,172.56		
40 05 19 00-2288	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,757.87	790.61	
		For Class 52 Rating, Deduct	-831.60		
		For Class 54 Rating, Add	1,148.37		
		For Class 55 Rating, Add	1,714.62		
		For Class 56 Rating, Add	2,273.32		
40 05 19 00-2289	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,105.25	795.01	
		For Class 52 Rating, Deduct	-869.08		
		For Class 54 Rating, Add	1,199.56		
		For Class 55 Rating, Add	1,790.77		
		For Class 56 Rating, Add	2,374.07		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2290	EA	14"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,452.63	799.40
			For Class 52 Rating, Deduct	-906.56	
			For Class 54 Rating, Add	1,250.75	
			For Class 55 Rating, Add	1,866.91	
			For Class 56 Rating, Add	2,474.83	
40 05 19 00-2291	EA	14"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,800.03	803.79
			For Class 52 Rating, Deduct	-944.04	
			For Class 54 Rating, Add	1,301.94	
			For Class 55 Rating, Add	1,943.05	
			For Class 56 Rating, Add	2,575.58	
40 05 19 00-2292	EA	14"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,147.41	808.18
			For Class 52 Rating, Deduct	-981.52	
			For Class 54 Rating, Add	1,353.13	
			For Class 55 Rating, Add	2,019.19	
			For Class 56 Rating, Add	2,676.34	
40 05 19 00-2293	EA	14"	Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,494.79	812.58
			For Class 52 Rating, Deduct	-1,019.00	
			For Class 54 Rating, Add	1,404.32	
			For Class 55 Rating, Add	2,095.34	
			For Class 56 Rating, Add	2,777.09	
40 05 19 00-2294	EA	14"	Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,842.17	816.96
			For Class 52 Rating, Deduct	-1,056.48	
			For Class 54 Rating, Add	1,455.51	
			For Class 55 Rating, Add	2,171.48	
			For Class 56 Rating, Add	2,877.84	
40 05 19 00-2295	EA	14"	Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,189.56	821.36
			For Class 52 Rating, Deduct	-1,093.96	
			For Class 54 Rating, Add	1,506.70	
			For Class 55 Rating, Add	2,247.62	
			For Class 56 Rating, Add	2,978.60	
40 05 19 00-2296	EA	14"	Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,536.95	825.75
			For Class 52 Rating, Deduct	-1,131.44	
			For Class 54 Rating, Add	1,557.89	
			For Class 55 Rating, Add	2,323.76	
			For Class 56 Rating, Add	3,079.35	
40 05 19 00-2297	EA	14"	Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,884.33	830.15
			For Class 52 Rating, Deduct	-1,168.92	
			For Class 54 Rating, Add	1,609.07	
			For Class 55 Rating, Add	2,399.91	
			For Class 56 Rating, Add	3,180.11	
40 05 19 00-2298	EA	14"	Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,231.72	834.53
			For Class 52 Rating, Deduct	-1,206.40	
			For Class 54 Rating, Add	1,660.27	
			For Class 55 Rating, Add	2,476.05	
			For Class 56 Rating, Add	3,280.87	
40 05 19 00-2299	EA	14"	Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,579.11	838.93
			For Class 52 Rating, Deduct	-1,243.88	
			For Class 54 Rating, Add	1,711.45	
			For Class 55 Rating, Add	2,552.19	
			For Class 56 Rating, Add	3,381.62	
40 05 19 00-2300	EA	14"	Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,926.49	843.32
			For Class 52 Rating, Deduct	-1,281.36	
			For Class 54 Rating, Add	1,762.64	
			For Class 55 Rating, Add	2,628.34	
			For Class 56 Rating, Add	3,482.38	
40 05 19 00-2301	EA	14"	Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,273.88	847.71
			For Class 52 Rating, Deduct	-1,318.84	
			For Class 54 Rating, Add	1,813.83	
			For Class 55 Rating, Add	2,704.48	
			For Class 56 Rating, Add	3,583.13	
40 05 19 00-2302	EA	14"	Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,621.27	852.10
			For Class 52 Rating, Deduct	-1,356.32	
			For Class 54 Rating, Add	1,865.02	
			For Class 55 Rating, Add	2,780.62	
			For Class 56 Rating, Add	3,683.89	
40 05 19 00-2303	EA	14"	Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,968.65	856.50
			For Class 52 Rating, Deduct	-1,393.80	
			For Class 54 Rating, Add	1,916.21	
			For Class 55 Rating, Add	2,856.76	
			For Class 56 Rating, Add	3,784.64	
40 05 19 00-2304	EA	14"	Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,316.03	860.89
			For Class 52 Rating, Deduct	-1,431.28	
			For Class 54 Rating, Add	1,967.40	
			For Class 55 Rating, Add	2,932.91	
			For Class 56 Rating, Add	3,885.40	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2305	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,663.42	865.28
		<i>For Class 52 Rating, Deduct</i>	-1,468.76	
		<i>For Class 54 Rating, Add</i>	2,018.59	
		<i>For Class 55 Rating, Add</i>	3,009.05	
		<i>For Class 56 Rating, Add</i>	3,986.15	
40 05 19 00-2306	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,010.81	869.67
		<i>For Class 52 Rating, Deduct</i>	-1,506.24	
		<i>For Class 54 Rating, Add</i>	2,069.78	
		<i>For Class 55 Rating, Add</i>	3,085.19	
		<i>For Class 56 Rating, Add</i>	4,086.91	
40 05 19 00-2307	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,358.19	874.07
		<i>For Class 52 Rating, Deduct</i>	-1,543.72	
		<i>For Class 54 Rating, Add</i>	2,120.97	
		<i>For Class 55 Rating, Add</i>	3,161.33	
		<i>For Class 56 Rating, Add</i>	4,187.66	
40 05 19 00-2308	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,705.57	878.45
		<i>For Class 52 Rating, Deduct</i>	-1,581.20	
		<i>For Class 54 Rating, Add</i>	2,172.16	
		<i>For Class 55 Rating, Add</i>	3,237.48	
		<i>For Class 56 Rating, Add</i>	4,288.42	
40 05 19 00-2309	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,052.96	882.85
		<i>For Class 52 Rating, Deduct</i>	-1,618.68	
		<i>For Class 54 Rating, Add</i>	2,223.35	
		<i>For Class 55 Rating, Add</i>	3,313.62	
		<i>For Class 56 Rating, Add</i>	4,389.17	
40 05 19 00-2310	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,400.36	887.24
		<i>For Class 52 Rating, Deduct</i>	-1,656.17	
		<i>For Class 54 Rating, Add</i>	2,274.54	
		<i>For Class 55 Rating, Add</i>	3,389.76	
		<i>For Class 56 Rating, Add</i>	4,489.93	
40 05 19 00-2311	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,747.74	891.64
		<i>For Class 52 Rating, Deduct</i>	-1,693.65	
		<i>For Class 54 Rating, Add</i>	2,325.73	
		<i>For Class 55 Rating, Add</i>	3,465.90	
		<i>For Class 56 Rating, Add</i>	4,590.68	
40 05 19 00-2312	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,095.12	896.02
		<i>For Class 52 Rating, Deduct</i>	-1,731.13	
		<i>For Class 54 Rating, Add</i>	2,376.92	
		<i>For Class 55 Rating, Add</i>	3,542.05	
		<i>For Class 56 Rating, Add</i>	4,691.44	
40 05 19 00-2313	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,442.51	900.42
		<i>For Class 52 Rating, Deduct</i>	-1,768.61	
		<i>For Class 54 Rating, Add</i>	2,428.11	
		<i>For Class 55 Rating, Add</i>	3,618.19	
		<i>For Class 56 Rating, Add</i>	4,792.19	

40 05 19 00-2314 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2074)

40 05 19 00-2315	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,384.77	843.32
		<i>For Class 52 Rating, Deduct</i>	-451.77	
		<i>For Class 54 Rating, Add</i>	631.39	
		<i>For Class 55 Rating, Add</i>	946.53	
		<i>For Class 56 Rating, Add</i>	1,257.57	
40 05 19 00-2316	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,786.93	847.71
		<i>For Class 52 Rating, Deduct</i>	-495.28	
		<i>For Class 54 Rating, Add</i>	690.79	
		<i>For Class 55 Rating, Add</i>	1,034.89	
		<i>For Class 56 Rating, Add</i>	1,374.48	
40 05 19 00-2317	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,189.08	852.10
		<i>For Class 52 Rating, Deduct</i>	-538.78	
		<i>For Class 54 Rating, Add</i>	750.19	
		<i>For Class 55 Rating, Add</i>	1,123.24	
		<i>For Class 56 Rating, Add</i>	1,491.39	
40 05 19 00-2318	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,591.22	856.50
		<i>For Class 52 Rating, Deduct</i>	-582.29	
		<i>For Class 54 Rating, Add</i>	809.60	
		<i>For Class 55 Rating, Add</i>	1,211.60	
		<i>For Class 56 Rating, Add</i>	1,608.30	
40 05 19 00-2319	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,993.36	860.89
		<i>For Class 52 Rating, Deduct</i>	-625.79	
		<i>For Class 54 Rating, Add</i>	869.00	
		<i>For Class 55 Rating, Add</i>	1,299.95	
		<i>For Class 56 Rating, Add</i>	1,725.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2320	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,395.51	865.28
			For Class 52 Rating, Deduct	-669.29	
			For Class 54 Rating, Add	928.40	
			For Class 55 Rating, Add	1,388.30	
			For Class 56 Rating, Add	1,842.12	
40 05 19 00-2321	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,797.66	869.67
			For Class 52 Rating, Deduct	-712.80	
			For Class 54 Rating, Add	987.81	
			For Class 55 Rating, Add	1,476.66	
			For Class 56 Rating, Add	1,959.03	
40 05 19 00-2322	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,199.80	874.07
			For Class 52 Rating, Deduct	-756.30	
			For Class 54 Rating, Add	1,047.21	
			For Class 55 Rating, Add	1,565.01	
			For Class 56 Rating, Add	2,075.94	
40 05 19 00-2323	EA		16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,601.94	878.45
			For Class 52 Rating, Deduct	-799.80	
			For Class 54 Rating, Add	1,106.61	
			For Class 55 Rating, Add	1,653.37	
			For Class 56 Rating, Add	2,192.85	
40 05 19 00-2324	EA		16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,004.09	882.85
			For Class 52 Rating, Deduct	-843.31	
			For Class 54 Rating, Add	1,166.02	
			For Class 55 Rating, Add	1,741.72	
			For Class 56 Rating, Add	2,309.76	
40 05 19 00-2325	EA		16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,406.25	887.24
			For Class 52 Rating, Deduct	-886.81	
			For Class 54 Rating, Add	1,225.42	
			For Class 55 Rating, Add	1,830.08	
			For Class 56 Rating, Add	2,426.67	
40 05 19 00-2326	EA		16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,808.39	891.64
			For Class 52 Rating, Deduct	-930.32	
			For Class 54 Rating, Add	1,284.83	
			For Class 55 Rating, Add	1,918.43	
			For Class 56 Rating, Add	2,543.58	
40 05 19 00-2327	EA		16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,210.53	896.02
			For Class 52 Rating, Deduct	-973.82	
			For Class 54 Rating, Add	1,344.23	
			For Class 55 Rating, Add	2,006.78	
			For Class 56 Rating, Add	2,660.49	
40 05 19 00-2328	EA		16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,612.68	900.42
			For Class 52 Rating, Deduct	-1,017.33	
			For Class 54 Rating, Add	1,403.63	
			For Class 55 Rating, Add	2,095.14	
			For Class 56 Rating, Add	2,777.39	
40 05 19 00-2329	EA		16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,014.82	904.81
			For Class 52 Rating, Deduct	-1,060.83	
			For Class 54 Rating, Add	1,463.04	
			For Class 55 Rating, Add	2,183.49	
			For Class 56 Rating, Add	2,894.30	
40 05 19 00-2330	EA		16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,416.97	909.21
			For Class 52 Rating, Deduct	-1,104.33	
			For Class 54 Rating, Add	1,522.44	
			For Class 55 Rating, Add	2,271.65	
			For Class 56 Rating, Add	3,011.21	
40 05 19 00-2331	EA		16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,819.12	913.59
			For Class 52 Rating, Deduct	-1,147.84	
			For Class 54 Rating, Add	1,581.84	
			For Class 55 Rating, Add	2,360.20	
			For Class 56 Rating, Add	3,128.12	
40 05 19 00-2332	EA		16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,221.26	917.99
			For Class 52 Rating, Deduct	-1,191.34	
			For Class 54 Rating, Add	1,641.25	
			For Class 55 Rating, Add	2,448.55	
			For Class 56 Rating, Add	3,245.03	
40 05 19 00-2333	EA		16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,623.41	922.38
			For Class 52 Rating, Deduct	-1,234.85	
			For Class 54 Rating, Add	1,700.65	
			For Class 55 Rating, Add	2,536.91	
			For Class 56 Rating, Add	3,361.94	
40 05 19 00-2334	EA		16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,025.56	926.77
			For Class 52 Rating, Deduct	-1,278.35	
			For Class 54 Rating, Add	1,760.05	
			For Class 55 Rating, Add	2,625.26	
			For Class 56 Rating, Add	3,478.85	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2335	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,427.71	931.16
		For Class 52 Rating, Deduct	-1,321.85	
		For Class 54 Rating, Add	1,819.46	
		For Class 55 Rating, Add	2,713.62	
		For Class 56 Rating, Add	3,595.76	
40 05 19 00-2336	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,829.85	935.56
		For Class 52 Rating, Deduct	-1,365.36	
		For Class 54 Rating, Add	1,878.86	
		For Class 55 Rating, Add	2,801.97	
		For Class 56 Rating, Add	3,712.67	
40 05 19 00-2337	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,231.99	939.95
		For Class 52 Rating, Deduct	-1,408.86	
		For Class 54 Rating, Add	1,938.26	
		For Class 55 Rating, Add	2,890.33	
		For Class 56 Rating, Add	3,829.58	
40 05 19 00-2338	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,634.14	944.34
		For Class 52 Rating, Deduct	-1,452.37	
		For Class 54 Rating, Add	1,997.67	
		For Class 55 Rating, Add	2,978.68	
		For Class 56 Rating, Add	3,946.49	
40 05 19 00-2339	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,036.29	948.73
		For Class 52 Rating, Deduct	-1,495.87	
		For Class 54 Rating, Add	2,057.07	
		For Class 55 Rating, Add	3,067.03	
		For Class 56 Rating, Add	4,063.40	
40 05 19 00-2340	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,438.43	953.13
		For Class 52 Rating, Deduct	-1,539.37	
		For Class 54 Rating, Add	2,116.47	
		For Class 55 Rating, Add	3,155.39	
		For Class 56 Rating, Add	4,180.31	
40 05 19 00-2341	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,840.58	957.52
		For Class 52 Rating, Deduct	-1,582.88	
		For Class 54 Rating, Add	2,175.88	
		For Class 55 Rating, Add	3,243.74	
		For Class 56 Rating, Add	4,297.22	
40 05 19 00-2342	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,242.73	961.91
		For Class 52 Rating, Deduct	-1,626.38	
		For Class 54 Rating, Add	2,235.28	
		For Class 55 Rating, Add	3,332.10	
		For Class 56 Rating, Add	4,414.13	
40 05 19 00-2343	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,644.88	966.30
		For Class 52 Rating, Deduct	-1,669.89	
		For Class 54 Rating, Add	2,294.69	
		For Class 55 Rating, Add	3,420.45	
		For Class 56 Rating, Add	4,531.04	
40 05 19 00-2344	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,047.02	970.70
		For Class 52 Rating, Deduct	-1,713.39	
		For Class 54 Rating, Add	2,354.09	
		For Class 55 Rating, Add	3,508.81	
		For Class 56 Rating, Add	4,647.95	
40 05 19 00-2345	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,449.16	975.08
		For Class 52 Rating, Deduct	-1,756.89	
		For Class 54 Rating, Add	2,413.49	
		For Class 55 Rating, Add	3,597.16	
		For Class 56 Rating, Add	4,764.86	
40 05 19 00-2346	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,851.31	979.48
		For Class 52 Rating, Deduct	-1,800.40	
		For Class 54 Rating, Add	2,472.90	
		For Class 55 Rating, Add	3,685.51	
		For Class 56 Rating, Add	4,881.76	
40 05 19 00-2347	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,253.45	983.87
		For Class 52 Rating, Deduct	-1,843.90	
		For Class 54 Rating, Add	2,532.30	
		For Class 55 Rating, Add	3,773.87	
		For Class 56 Rating, Add	4,998.67	
40 05 19 00-2348	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,655.60	988.27
		For Class 52 Rating, Deduct	-1,887.41	
		For Class 54 Rating, Add	2,591.70	
		For Class 55 Rating, Add	3,862.22	
		For Class 56 Rating, Add	5,115.58	
40 05 19 00-2349	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,057.75	992.65
		For Class 52 Rating, Deduct	-1,930.91	
		For Class 54 Rating, Add	2,651.11	
		For Class 55 Rating, Add	3,950.58	
		For Class 56 Rating, Add	5,232.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2350	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,459.90	997.05
			For Class 52 Rating, Deduct	-1,974.41	
			For Class 54 Rating, Add	2,710.51	
			For Class 55 Rating, Add	4,038.93	
			For Class 56 Rating, Add	5,349.40	
40 05 19 00-2351	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,862.04	1,001.44
			For Class 52 Rating, Deduct	-2,017.92	
			For Class 54 Rating, Add	2,769.91	
			For Class 55 Rating, Add	4,127.29	
			For Class 56 Rating, Add	5,466.31	
40 05 19 00-2352	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,264.18	1,005.83
			For Class 52 Rating, Deduct	-2,061.42	
			For Class 54 Rating, Add	2,829.32	
			For Class 55 Rating, Add	4,215.64	
			For Class 56 Rating, Add	5,583.22	
40 05 19 00-2353 18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe					
			(40 05 19 00-2074)		
40 05 19 00-2354	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,277.30	950.49
			For Class 52 Rating, Deduct	-532.09	
			For Class 54 Rating, Add	742.86	
			For Class 55 Rating, Add	1,113.25	
			For Class 56 Rating, Add	1,478.81	
40 05 19 00-2355	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,740.29	954.88
			For Class 52 Rating, Deduct	-582.29	
			For Class 54 Rating, Add	811.39	
			For Class 55 Rating, Add	1,215.17	
			For Class 56 Rating, Add	1,613.67	
40 05 19 00-2356	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,203.27	959.27
			For Class 52 Rating, Deduct	-632.48	
			For Class 54 Rating, Add	879.92	
			For Class 55 Rating, Add	1,317.09	
			For Class 56 Rating, Add	1,748.52	
40 05 19 00-2357	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,666.28	963.67
			For Class 52 Rating, Deduct	-682.68	
			For Class 54 Rating, Add	948.45	
			For Class 55 Rating, Add	1,419.02	
			For Class 56 Rating, Add	1,883.38	
40 05 19 00-2358	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,129.27	968.06
			For Class 52 Rating, Deduct	-732.88	
			For Class 54 Rating, Add	1,016.98	
			For Class 55 Rating, Add	1,520.94	
			For Class 56 Rating, Add	2,018.24	
40 05 19 00-2359	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,592.25	972.45
			For Class 52 Rating, Deduct	-783.07	
			For Class 54 Rating, Add	1,085.51	
			For Class 55 Rating, Add	1,622.86	
			For Class 56 Rating, Add	2,153.10	
40 05 19 00-2360	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,055.24	976.84
			For Class 52 Rating, Deduct	-833.27	
			For Class 54 Rating, Add	1,154.04	
			For Class 55 Rating, Add	1,724.79	
			For Class 56 Rating, Add	2,287.96	
40 05 19 00-2361	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,518.23	981.24
			For Class 52 Rating, Deduct	-883.47	
			For Class 54 Rating, Add	1,222.57	
			For Class 55 Rating, Add	1,826.71	
			For Class 56 Rating, Add	2,422.82	
40 05 19 00-2362	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,981.23	985.63
			For Class 52 Rating, Deduct	-933.66	
			For Class 54 Rating, Add	1,291.10	
			For Class 55 Rating, Add	1,928.63	
			For Class 56 Rating, Add	2,557.68	
40 05 19 00-2363	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,444.22	990.02
			For Class 52 Rating, Deduct	-983.86	
			For Class 54 Rating, Add	1,359.63	
			For Class 55 Rating, Add	2,030.56	
			For Class 56 Rating, Add	2,692.54	
40 05 19 00-2364	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,907.21	994.41
			For Class 52 Rating, Deduct	-1,034.06	
			For Class 54 Rating, Add	1,428.16	
			For Class 55 Rating, Add	2,132.48	
			For Class 56 Rating, Add	2,827.39	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2365	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,370.20	998.81
		For Class 52 Rating, Deduct	-1,084.25	
		For Class 54 Rating, Add	1,496.69	
		For Class 55 Rating, Add	2,234.40	
		For Class 56 Rating, Add	2,962.25	
40 05 19 00-2366	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,833.19	1,003.19
		For Class 52 Rating, Deduct	-1,134.45	
		For Class 54 Rating, Add	1,565.22	
		For Class 55 Rating, Add	2,336.32	
		For Class 56 Rating, Add	3,097.11	
40 05 19 00-2367	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,296.18	1,007.59
		For Class 52 Rating, Deduct	-1,184.65	
		For Class 54 Rating, Add	1,633.75	
		For Class 55 Rating, Add	2,438.24	
		For Class 56 Rating, Add	3,231.97	
40 05 19 00-2368	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,759.18	1,011.98
		For Class 52 Rating, Deduct	-1,234.85	
		For Class 54 Rating, Add	1,702.28	
		For Class 55 Rating, Add	2,540.17	
		For Class 56 Rating, Add	3,366.83	
40 05 19 00-2369	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,222.16	1,016.38
		For Class 52 Rating, Deduct	-1,285.04	
		For Class 54 Rating, Add	1,770.81	
		For Class 55 Rating, Add	2,642.09	
		For Class 56 Rating, Add	3,501.69	
40 05 19 00-2370	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,685.15	1,020.76
		For Class 52 Rating, Deduct	-1,335.24	
		For Class 54 Rating, Add	1,839.34	
		For Class 55 Rating, Add	2,744.01	
		For Class 56 Rating, Add	3,636.55	
40 05 19 00-2371	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,148.14	1,025.16
		For Class 52 Rating, Deduct	-1,385.44	
		For Class 54 Rating, Add	1,907.87	
		For Class 55 Rating, Add	2,845.93	
		For Class 56 Rating, Add	3,771.40	
40 05 19 00-2372	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,611.14	1,029.55
		For Class 52 Rating, Deduct	-1,435.63	
		For Class 54 Rating, Add	1,976.40	
		For Class 55 Rating, Add	2,947.86	
		For Class 56 Rating, Add	3,906.26	
40 05 19 00-2373	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,074.13	1,033.94
		For Class 52 Rating, Deduct	-1,485.83	
		For Class 54 Rating, Add	2,044.93	
		For Class 55 Rating, Add	3,049.78	
		For Class 56 Rating, Add	4,041.12	
40 05 19 00-2374	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,537.11	1,038.33
		For Class 52 Rating, Deduct	-1,536.03	
		For Class 54 Rating, Add	2,113.46	
		For Class 55 Rating, Add	3,151.70	
		For Class 56 Rating, Add	4,175.98	
40 05 19 00-2375	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,000.11	1,042.73
		For Class 52 Rating, Deduct	-1,586.22	
		For Class 54 Rating, Add	2,181.99	
		For Class 55 Rating, Add	3,253.63	
		For Class 56 Rating, Add	4,310.84	
40 05 19 00-2376	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,463.10	1,047.12
		For Class 52 Rating, Deduct	-1,636.42	
		For Class 54 Rating, Add	2,250.52	
		For Class 55 Rating, Add	3,355.55	
		For Class 56 Rating, Add	4,445.70	
40 05 19 00-2377	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,926.09	1,051.51
		For Class 52 Rating, Deduct	-1,686.62	
		For Class 54 Rating, Add	2,319.05	
		For Class 55 Rating, Add	3,457.47	
		For Class 56 Rating, Add	4,580.56	
40 05 19 00-2378	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,389.08	1,055.90
		For Class 52 Rating, Deduct	-1,736.82	
		For Class 54 Rating, Add	2,387.58	
		For Class 55 Rating, Add	3,559.39	
		For Class 56 Rating, Add	4,715.42	
40 05 19 00-2379	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,852.07	1,060.30
		For Class 52 Rating, Deduct	-1,787.01	
		For Class 54 Rating, Add	2,456.11	
		For Class 55 Rating, Add	3,661.32	
		For Class 56 Rating, Add	4,850.27	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
40 05 19 00-2380	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,315.07		1,064.69
		For Class 52 Rating, Deduct	-1,837.21		
		For Class 54 Rating, Add	2,524.64		
		For Class 55 Rating, Add	3,763.24		
		For Class 56 Rating, Add	4,985.13		
40 05 19 00-2381	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,778.05		1,069.08
		For Class 52 Rating, Deduct	-1,887.41		
		For Class 54 Rating, Add	2,593.17		
		For Class 55 Rating, Add	3,865.16		
		For Class 56 Rating, Add	5,119.99		
40 05 19 00-2382	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,241.05		1,073.47
		For Class 52 Rating, Deduct	-1,937.60		
		For Class 54 Rating, Add	2,661.70		
		For Class 55 Rating, Add	3,967.08		
		For Class 56 Rating, Add	5,254.85		
40 05 19 00-2383	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,704.04		1,077.87
		For Class 52 Rating, Deduct	-1,987.80		
		For Class 54 Rating, Add	2,730.23		
		For Class 55 Rating, Add	4,069.01		
		For Class 56 Rating, Add	5,389.71		
40 05 19 00-2384	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,167.02		1,082.25
		For Class 52 Rating, Deduct	-2,038.00		
		For Class 54 Rating, Add	2,798.76		
		For Class 55 Rating, Add	4,170.93		
		For Class 56 Rating, Add	5,254.57		
40 05 19 00-2385	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,630.02		1,086.65
		For Class 52 Rating, Deduct	-2,088.19		
		For Class 54 Rating, Add	2,867.29		
		For Class 55 Rating, Add	4,272.65		
		For Class 56 Rating, Add	5,659.43		
40 05 19 00-2386	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,093.01		1,091.04
		For Class 52 Rating, Deduct	-2,138.39		
		For Class 54 Rating, Add	2,935.82		
		For Class 55 Rating, Add	4,374.77		
		For Class 56 Rating, Add	5,794.29		
40 05 19 00-2387	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,556.00		1,095.44
		For Class 52 Rating, Deduct	-2,188.59		
		For Class 54 Rating, Add	3,004.35		
		For Class 55 Rating, Add	4,476.70		
		For Class 56 Rating, Add	5,929.14		
40 05 19 00-2388	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,018.99		1,099.82
		For Class 52 Rating, Deduct	-2,238.78		
		For Class 54 Rating, Add	3,072.89		
		For Class 55 Rating, Add	4,578.62		
		For Class 56 Rating, Add	6,064.00		
40 05 19 00-2389	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,481.98		1,104.22
		For Class 52 Rating, Deduct	-2,288.98		
		For Class 54 Rating, Add	3,141.41		
		For Class 55 Rating, Add	4,680.54		
		For Class 56 Rating, Add	6,198.86		
40 05 19 00-2390	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,944.98		1,108.61
		For Class 52 Rating, Deduct	-2,339.18		
		For Class 54 Rating, Add	3,209.95		
		For Class 55 Rating, Add	4,782.47		
		For Class 56 Rating, Add	6,333.72		
40 05 19 00-2391	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,407.96		1,113.00
		For Class 52 Rating, Deduct	-2,389.37		
		For Class 54 Rating, Add	3,278.47		
		For Class 55 Rating, Add	4,884.39		
		For Class 56 Rating, Add	6,468.58		
40 05 19 00-2392		20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2074)			
40 05 19 00-2393	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,347.98		1,084.89
		For Class 52 Rating, Deduct	-627.46		
		For Class 54 Rating, Add	875.36		
		For Class 55 Rating, Add	1,311.49		
		For Class 56 Rating, Add	1,741.92		
40 05 19 00-2394	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,874.86		1,089.28
		For Class 52 Rating, Deduct	-684.69		
		For Class 54 Rating, Add	953.47		
		For Class 55 Rating, Add	1,427.66		
		For Class 56 Rating, Add	1,895.62		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
40 05 19 00-2395	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	8,401.74		1,093.68
		For Class 52 Rating, Deduct	-741.91		
		For Class 54 Rating, Add	1,031.58		
		For Class 55 Rating, Add	1,543.83		
		For Class 56 Rating, Add	2,049.33		
40 05 19 00-2396	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	8,928.61		1,098.07
		For Class 52 Rating, Deduct	-799.14		
		For Class 54 Rating, Add	1,109.70		
		For Class 55 Rating, Add	1,660.00		
		For Class 56 Rating, Add	2,203.03		
40 05 19 00-2397	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	9,455.49		1,102.46
		For Class 52 Rating, Deduct	-856.36		
		For Class 54 Rating, Add	1,187.81		
		For Class 55 Rating, Add	1,776.16		
		For Class 56 Rating, Add	2,356.74		
40 05 19 00-2398	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	9,982.37		1,106.85
		For Class 52 Rating, Deduct	-913.59		
		For Class 54 Rating, Add	1,265.92		
		For Class 55 Rating, Add	1,892.34		
		For Class 56 Rating, Add	2,510.44		
40 05 19 00-2399	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	10,509.25		1,111.25
		For Class 52 Rating, Deduct	-970.81		
		For Class 54 Rating, Add	1,344.04		
		For Class 55 Rating, Add	2,008.50		
		For Class 56 Rating, Add	2,664.15		
40 05 19 00-2400	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	11,036.12		1,115.64
		For Class 52 Rating, Deduct	-1,028.03		
		For Class 54 Rating, Add	1,422.15		
		For Class 55 Rating, Add	2,124.67		
		For Class 56 Rating, Add	2,817.85		
40 05 19 00-2401	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	11,563.00		1,120.03
		For Class 52 Rating, Deduct	-1,085.26		
		For Class 54 Rating, Add	1,500.26		
		For Class 55 Rating, Add	2,240.84		
		For Class 56 Rating, Add	2,971.56		
40 05 19 00-2402	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	12,089.88		1,124.42
		For Class 52 Rating, Deduct	-1,142.48		
		For Class 54 Rating, Add	1,578.38		
		For Class 55 Rating, Add	2,357.01		
		For Class 56 Rating, Add	3,125.26		
40 05 19 00-2403	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	12,616.75		1,128.82
		For Class 52 Rating, Deduct	-1,199.71		
		For Class 54 Rating, Add	1,656.49		
		For Class 55 Rating, Add	2,473.18		
		For Class 56 Rating, Add	3,278.97		
40 05 19 00-2404	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	13,143.64		1,133.20
		For Class 52 Rating, Deduct	-1,256.93		
		For Class 54 Rating, Add	1,734.60		
		For Class 55 Rating, Add	2,589.35		
		For Class 56 Rating, Add	3,432.67		
40 05 19 00-2405	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	13,670.52		1,137.60
		For Class 52 Rating, Deduct	-1,314.16		
		For Class 54 Rating, Add	1,812.72		
		For Class 55 Rating, Add	2,705.52		
		For Class 56 Rating, Add	3,586.38		
40 05 19 00-2406	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	14,197.39		1,141.99
		For Class 52 Rating, Deduct	-1,371.38		
		For Class 54 Rating, Add	1,890.83		
		For Class 55 Rating, Add	2,821.69		
		For Class 56 Rating, Add	3,740.08		
40 05 19 00-2407	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	14,724.26		1,146.39
		For Class 52 Rating, Deduct	-1,428.61		
		For Class 54 Rating, Add	1,968.94		
		For Class 55 Rating, Add	2,937.86		
		For Class 56 Rating, Add	3,893.79		
40 05 19 00-2408	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	15,251.16		1,150.77
		For Class 52 Rating, Deduct	-1,485.83		
		For Class 54 Rating, Add	2,047.06		
		For Class 55 Rating, Add	3,054.03		
		For Class 56 Rating, Add	4,047.50		
40 05 19 00-2409	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron			
		Pipe	15,778.03		1,155.17
		For Class 52 Rating, Deduct	-1,543.05		
		For Class 54 Rating, Add	2,125.17		
		For Class 55 Rating, Add	3,170.20		
		For Class 56 Rating, Add	4,201.20		

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT COST	UNIT COST	
40 05 19 00-2410	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,304.90		1,159.57
		For Class 52 Rating, Deduct	-1,600.28		
		For Class 54 Rating, Add	2,203.28		
		For Class 55 Rating, Add	3,286.37		
		For Class 56 Rating, Add	4,354.91		
40 05 19 00-2411	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,831.78		1,163.95
		For Class 52 Rating, Deduct	-1,657.50		
		For Class 54 Rating, Add	2,281.39		
		For Class 55 Rating, Add	3,402.54		
		For Class 56 Rating, Add	4,508.61		
40 05 19 00-2412	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,358.66		1,168.35
		For Class 52 Rating, Deduct	-1,714.73		
		For Class 54 Rating, Add	2,359.51		
		For Class 55 Rating, Add	3,518.71		
		For Class 56 Rating, Add	4,662.32		
40 05 19 00-2413	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,885.54		1,172.74
		For Class 52 Rating, Deduct	-1,771.95		
		For Class 54 Rating, Add	2,437.62		
		For Class 55 Rating, Add	3,634.88		
		For Class 56 Rating, Add	4,816.02		
40 05 19 00-2414	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,412.41		1,177.14
		For Class 52 Rating, Deduct	-1,829.18		
		For Class 54 Rating, Add	2,515.73		
		For Class 55 Rating, Add	3,751.04		
		For Class 56 Rating, Add	4,969.73		
40 05 19 00-2415	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,939.30		1,181.52
		For Class 52 Rating, Deduct	-1,886.40		
		For Class 54 Rating, Add	2,593.85		
		For Class 55 Rating, Add	3,867.22		
		For Class 56 Rating, Add	5,123.43		
40 05 19 00-2416	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,466.17		1,185.92
		For Class 52 Rating, Deduct	-1,943.63		
		For Class 54 Rating, Add	2,671.96		
		For Class 55 Rating, Add	3,983.38		
		For Class 56 Rating, Add	5,277.14		
40 05 19 00-2417	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,993.05		1,190.31
		For Class 52 Rating, Deduct	-2,000.85		
		For Class 54 Rating, Add	2,750.07		
		For Class 55 Rating, Add	4,099.55		
		For Class 56 Rating, Add	5,430.84		
40 05 19 00-2418	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,519.94		1,194.71
		For Class 52 Rating, Deduct	-2,058.08		
		For Class 54 Rating, Add	2,828.19		
		For Class 55 Rating, Add	4,215.72		
		For Class 56 Rating, Add	5,584.55		
40 05 19 00-2419	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,046.81		1,199.09
		For Class 52 Rating, Deduct	-2,115.30		
		For Class 54 Rating, Add	2,906.30		
		For Class 55 Rating, Add	4,331.89		
		For Class 56 Rating, Add	5,738.26		
40 05 19 00-2420	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,573.68		1,203.49
		For Class 52 Rating, Deduct	-2,172.52		
		For Class 54 Rating, Add	2,984.41		
		For Class 55 Rating, Add	4,448.06		
		For Class 56 Rating, Add	5,891.96		
40 05 19 00-2421	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,100.56		1,207.88
		For Class 52 Rating, Deduct	-2,229.75		
		For Class 54 Rating, Add	3,062.53		
		For Class 55 Rating, Add	4,564.23		
		For Class 56 Rating, Add	6,045.67		
40 05 19 00-2422	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,627.45		1,212.27
		For Class 52 Rating, Deduct	-2,286.97		
		For Class 54 Rating, Add	3,140.64		
		For Class 55 Rating, Add	4,680.40		
		For Class 56 Rating, Add	6,199.37		
40 05 19 00-2423	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,154.32		1,216.66
		For Class 52 Rating, Deduct	-2,344.20		
		For Class 54 Rating, Add	3,218.75		
		For Class 55 Rating, Add	4,796.57		
		For Class 56 Rating, Add	6,353.08		
40 05 19 00-2424	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,681.19		1,221.06
		For Class 52 Rating, Deduct	-2,401.42		
		For Class 54 Rating, Add	3,296.87		
		For Class 55 Rating, Add	4,912.74		
		For Class 56 Rating, Add	6,506.78		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2425	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,208.08	1,225.45
		For Class 52 Rating, Deduct	-2,458.65	
		For Class 54 Rating, Add	3,374.98	
		For Class 55 Rating, Add	5,028.91	
		For Class 56 Rating, Add	6,660.49	
40 05 19 00-2426	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,734.95	1,229.84
		For Class 52 Rating, Deduct	-2,515.87	
		For Class 54 Rating, Add	3,453.09	
		For Class 55 Rating, Add	5,145.08	
		For Class 56 Rating, Add	6,814.19	
40 05 19 00-2427	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,261.83	1,234.23
		For Class 52 Rating, Deduct	-2,573.10	
		For Class 54 Rating, Add	3,531.21	
		For Class 55 Rating, Add	5,261.25	
		For Class 56 Rating, Add	6,967.90	
40 05 19 00-2428	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,788.71	1,238.63
		For Class 52 Rating, Deduct	-2,630.32	
		For Class 54 Rating, Add	3,609.32	
		For Class 55 Rating, Add	5,377.42	
		For Class 56 Rating, Add	7,121.60	
40 05 19 00-2429	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,315.59	1,243.01
		For Class 52 Rating, Deduct	-2,687.55	
		For Class 54 Rating, Add	3,687.43	
		For Class 55 Rating, Add	5,493.59	
		For Class 56 Rating, Add	7,275.31	
40 05 19 00-2430	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,842.46	1,247.41
		For Class 52 Rating, Deduct	-2,744.77	
		For Class 54 Rating, Add	3,765.55	
		For Class 55 Rating, Add	5,609.76	
		For Class 56 Rating, Add	7,429.01	

40 05 19 00-2431 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2074)

40 05 19 00-2432	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,062.09	1,282.55
		For Class 52 Rating, Deduct	-783.07	
		For Class 54 Rating, Add	1,091.15	
		For Class 55 Rating, Add	1,634.14	
		For Class 56 Rating, Add	2,170.01	
40 05 19 00-2433	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,713.70	1,286.94
		For Class 52 Rating, Deduct	-854.02	
		For Class 54 Rating, Add	1,187.97	
		For Class 55 Rating, Add	1,778.13	
		For Class 56 Rating, Add	2,360.52	
40 05 19 00-2434	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,365.31	1,291.33
		For Class 52 Rating, Deduct	-924.96	
		For Class 54 Rating, Add	1,284.79	
		For Class 55 Rating, Add	1,922.11	
		For Class 56 Rating, Add	2,551.02	
40 05 19 00-2435	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,016.93	1,295.72
		For Class 52 Rating, Deduct	-995.91	
		For Class 54 Rating, Add	1,381.62	
		For Class 55 Rating, Add	2,066.09	
		For Class 56 Rating, Add	2,741.52	
40 05 19 00-2436	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,668.53	1,300.12
		For Class 52 Rating, Deduct	-1,066.85	
		For Class 54 Rating, Add	1,478.44	
		For Class 55 Rating, Add	2,210.08	
		For Class 56 Rating, Add	2,932.02	
40 05 19 00-2437	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,320.15	1,304.51
		For Class 52 Rating, Deduct	-1,137.80	
		For Class 54 Rating, Add	1,575.26	
		For Class 55 Rating, Add	2,354.06	
		For Class 56 Rating, Add	3,122.52	
40 05 19 00-2438	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,971.75	1,308.90
		For Class 52 Rating, Deduct	-1,208.74	
		For Class 54 Rating, Add	1,672.08	
		For Class 55 Rating, Add	2,498.05	
		For Class 56 Rating, Add	3,313.02	
40 05 19 00-2439	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,623.37	1,313.29
		For Class 52 Rating, Deduct	-1,279.69	
		For Class 54 Rating, Add	1,768.91	
		For Class 55 Rating, Add	2,642.03	
		For Class 56 Rating, Add	3,503.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2440	EA	24"	Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,274.97	1,317.69
			For Class 52 Rating, Deduct	-1,350.63	
			For Class 54 Rating, Add	1,865.73	
			For Class 55 Rating, Add	2,786.02	
			For Class 56 Rating, Add	3,694.03	
40 05 19 00-2441	EA	24"	Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,926.59	1,322.07
			For Class 52 Rating, Deduct	-1,421.58	
			For Class 54 Rating, Add	1,962.55	
			For Class 55 Rating, Add	2,930.00	
			For Class 56 Rating, Add	3,884.53	
40 05 19 00-2442	EA	24"	Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,578.19	1,326.47
			For Class 52 Rating, Deduct	-1,492.52	
			For Class 54 Rating, Add	2,059.38	
			For Class 55 Rating, Add	3,073.99	
			For Class 56 Rating, Add	4,075.03	
40 05 19 00-2443	EA	24"	Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,229.80	1,330.86
			For Class 52 Rating, Deduct	-1,563.47	
			For Class 54 Rating, Add	2,156.20	
			For Class 55 Rating, Add	3,217.97	
			For Class 56 Rating, Add	4,265.53	
40 05 19 00-2444	EA	24"	Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,881.42	1,335.26
			For Class 52 Rating, Deduct	-1,634.41	
			For Class 54 Rating, Add	2,253.02	
			For Class 55 Rating, Add	3,361.96	
			For Class 56 Rating, Add	4,456.03	
40 05 19 00-2445	EA	24"	Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,533.03	1,339.64
			For Class 52 Rating, Deduct	-1,705.36	
			For Class 54 Rating, Add	2,349.85	
			For Class 55 Rating, Add	3,505.94	
			For Class 56 Rating, Add	4,646.53	
40 05 19 00-2446	EA	24"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,184.63	1,344.04
			For Class 52 Rating, Deduct	-1,776.30	
			For Class 54 Rating, Add	2,446.67	
			For Class 55 Rating, Add	3,649.92	
			For Class 56 Rating, Add	4,837.03	
40 05 19 00-2447	EA	24"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,836.23	1,348.43
			For Class 52 Rating, Deduct	-1,847.25	
			For Class 54 Rating, Add	2,543.49	
			For Class 55 Rating, Add	3,793.91	
			For Class 56 Rating, Add	5,027.53	
40 05 19 00-2448	EA	24"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,487.85	1,352.83
			For Class 52 Rating, Deduct	-1,918.19	
			For Class 54 Rating, Add	2,640.31	
			For Class 55 Rating, Add	3,937.89	
			For Class 56 Rating, Add	5,218.04	
40 05 19 00-2449	EA	24"	Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,139.46	1,357.21
			For Class 52 Rating, Deduct	-1,989.14	
			For Class 54 Rating, Add	2,737.14	
			For Class 55 Rating, Add	4,081.88	
			For Class 56 Rating, Add	5,408.54	
40 05 19 00-2450	EA	24"	Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,791.07	1,361.61
			For Class 52 Rating, Deduct	-2,060.08	
			For Class 54 Rating, Add	2,833.96	
			For Class 55 Rating, Add	4,225.86	
			For Class 56 Rating, Add	5,599.04	
40 05 19 00-2451	EA	24"	Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,442.68	1,366.00
			For Class 52 Rating, Deduct	-2,131.03	
			For Class 54 Rating, Add	2,930.78	
			For Class 55 Rating, Add	4,369.85	
			For Class 56 Rating, Add	5,789.54	
40 05 19 00-2452	EA	24"	Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,094.29	1,370.39
			For Class 52 Rating, Deduct	-2,201.97	
			For Class 54 Rating, Add	3,027.61	
			For Class 55 Rating, Add	4,513.83	
			For Class 56 Rating, Add	5,980.04	
40 05 19 00-2453	EA	24"	Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,745.90	1,374.78
			For Class 52 Rating, Deduct	-2,272.92	
			For Class 54 Rating, Add	3,124.43	
			For Class 55 Rating, Add	4,657.82	
			For Class 56 Rating, Add	6,170.54	
40 05 19 00-2454	EA	24"	Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,397.51	1,379.18
			For Class 52 Rating, Deduct	-2,343.86	
			For Class 54 Rating, Add	3,221.25	
			For Class 55 Rating, Add	4,801.80	
			For Class 56 Rating, Add	6,361.04	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2455	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,049.12	1,383.57
		For Class 52 Rating, Deduct	-2,414.81	
		For Class 54 Rating, Add	3,318.08	
		For Class 55 Rating, Add	4,945.79	
		For Class 56 Rating, Add	6,551.54	
40 05 19 00-2456	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,700.73	1,387.96
		For Class 52 Rating, Deduct	-2,485.75	
		For Class 54 Rating, Add	3,414.90	
		For Class 55 Rating, Add	5,089.77	
		For Class 56 Rating, Add	6,742.05	
40 05 19 00-2457	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,352.33	1,392.35
		For Class 52 Rating, Deduct	-2,556.70	
		For Class 54 Rating, Add	3,511.72	
		For Class 55 Rating, Add	5,233.76	
		For Class 56 Rating, Add	6,932.55	
40 05 19 00-2458	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,003.95	1,396.75
		For Class 52 Rating, Deduct	-2,627.64	
		For Class 54 Rating, Add	3,608.55	
		For Class 55 Rating, Add	5,377.74	
		For Class 56 Rating, Add	7,123.05	
40 05 19 00-2459	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,655.56	1,401.13
		For Class 52 Rating, Deduct	-2,698.59	
		For Class 54 Rating, Add	3,705.37	
		For Class 55 Rating, Add	5,521.72	
		For Class 56 Rating, Add	7,313.55	
40 05 19 00-2460	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,307.17	1,405.53
		For Class 52 Rating, Deduct	-2,769.53	
		For Class 54 Rating, Add	3,802.19	
		For Class 55 Rating, Add	5,665.71	
		For Class 56 Rating, Add	7,504.05	
40 05 19 00-2461	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,071.91	1,484.59
		For Class 52 Rating, Deduct	-2,840.48	
		For Class 54 Rating, Add	3,900.37	
		For Class 55 Rating, Add	5,812.41	
		For Class 56 Rating, Add	7,698.62	
40 05 19 00-2462	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,723.52	1,488.98
		For Class 52 Rating, Deduct	-2,911.42	
		For Class 54 Rating, Add	3,997.20	
		For Class 55 Rating, Add	5,956.39	
		For Class 56 Rating, Add	7,889.13	
40 05 19 00-2463	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,375.13	1,493.38
		For Class 52 Rating, Deduct	-2,982.37	
		For Class 54 Rating, Add	4,094.02	
		For Class 55 Rating, Add	6,100.38	
		For Class 56 Rating, Add	8,079.63	
40 05 19 00-2464	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,026.75	1,497.76
		For Class 52 Rating, Deduct	-3,053.31	
		For Class 54 Rating, Add	4,190.84	
		For Class 55 Rating, Add	6,244.36	
		For Class 56 Rating, Add	8,270.13	
40 05 19 00-2465	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,678.35	1,502.16
		For Class 52 Rating, Deduct	-3,124.26	
		For Class 54 Rating, Add	4,287.66	
		For Class 55 Rating, Add	6,388.35	
		For Class 56 Rating, Add	8,460.63	
40 05 19 00-2466	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,329.97	1,506.55
		For Class 52 Rating, Deduct	-3,195.20	
		For Class 54 Rating, Add	4,384.49	
		For Class 55 Rating, Add	6,532.33	
		For Class 56 Rating, Add	8,651.13	
40 05 19 00-2467	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,981.57	1,510.95
		For Class 52 Rating, Deduct	-3,266.15	
		For Class 54 Rating, Add	4,481.31	
		For Class 55 Rating, Add	6,676.32	
		For Class 56 Rating, Add	8,841.63	
40 05 19 00-2468	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,633.18	1,515.33
		For Class 52 Rating, Deduct	-3,337.09	
		For Class 54 Rating, Add	4,578.13	
		For Class 55 Rating, Add	6,820.30	
		For Class 56 Rating, Add	9,032.13	
40 05 19 00-2469	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,284.79	1,519.73
		For Class 52 Rating, Deduct	-3,408.04	
		For Class 54 Rating, Add	4,674.96	
		For Class 55 Rating, Add	6,964.29	
		For Class 56 Rating, Add	9,222.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2470 30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe					
40 05 19 00-2471	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,010.31	1,809.62
			For Class 52 Rating, Deduct	-1,239.53	
			For Class 54 Rating, Add	1,723.17	
			For Class 55 Rating, Add	2,578.67	
			For Class 56 Rating, Add	3,422.90	
40 05 19 00-2472	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,941.80	1,814.01
			For Class 52 Rating, Deduct	-1,341.26	
			For Class 54 Rating, Add	1,861.98	
			For Class 55 Rating, Add	2,785.07	
			For Class 56 Rating, Add	3,695.97	
40 05 19 00-2473	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,873.30	1,818.40
			For Class 52 Rating, Deduct	-1,443.00	
			For Class 54 Rating, Add	2,000.78	
			For Class 55 Rating, Add	2,991.47	
			For Class 56 Rating, Add	3,969.04	
40 05 19 00-2474	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,804.80	1,822.80
			For Class 52 Rating, Deduct	-1,544.73	
			For Class 54 Rating, Add	2,139.59	
			For Class 55 Rating, Add	3,197.87	
			For Class 56 Rating, Add	4,242.10	
40 05 19 00-2475	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,736.29	1,827.19
			For Class 52 Rating, Deduct	-1,646.46	
			For Class 54 Rating, Add	2,278.39	
			For Class 55 Rating, Add	3,404.27	
			For Class 56 Rating, Add	4,515.17	
40 05 19 00-2476	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,667.78	1,831.58
			For Class 52 Rating, Deduct	-1,748.19	
			For Class 54 Rating, Add	2,417.20	
			For Class 55 Rating, Add	3,610.67	
			For Class 56 Rating, Add	4,788.24	
40 05 19 00-2477	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,599.28	1,835.97
			For Class 52 Rating, Deduct	-1,849.93	
			For Class 54 Rating, Add	2,556.01	
			For Class 55 Rating, Add	3,817.07	
			For Class 56 Rating, Add	5,061.31	
40 05 19 00-2478	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,530.77	1,840.37
			For Class 52 Rating, Deduct	-1,951.66	
			For Class 54 Rating, Add	2,694.81	
			For Class 55 Rating, Add	4,023.46	
			For Class 56 Rating, Add	5,334.37	
40 05 19 00-2479	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,462.27	1,844.75
			For Class 52 Rating, Deduct	-2,053.39	
			For Class 54 Rating, Add	2,833.62	
			For Class 55 Rating, Add	4,229.86	
			For Class 56 Rating, Add	5,607.44	
40 05 19 00-2480	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,393.77	1,849.15
			For Class 52 Rating, Deduct	-2,155.12	
			For Class 54 Rating, Add	2,972.43	
			For Class 55 Rating, Add	4,436.26	
			For Class 56 Rating, Add	5,880.51	
40 05 19 00-2481	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,325.27	1,853.54
			For Class 52 Rating, Deduct	-2,256.86	
			For Class 54 Rating, Add	3,111.23	
			For Class 55 Rating, Add	4,642.66	
			For Class 56 Rating, Add	6,153.58	
40 05 19 00-2482	EA		30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,256.76	1,857.94
			For Class 52 Rating, Deduct	-2,358.59	
			For Class 54 Rating, Add	3,250.04	
			For Class 55 Rating, Add	4,849.06	
			For Class 56 Rating, Add	6,426.65	
40 05 19 00-2483	EA		30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,188.26	1,862.32
			For Class 52 Rating, Deduct	-2,460.32	
			For Class 54 Rating, Add	3,388.84	
			For Class 55 Rating, Add	5,055.46	
			For Class 56 Rating, Add	6,699.71	
40 05 19 00-2484	EA		30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,119.76	1,866.72
			For Class 52 Rating, Deduct	-2,562.05	
			For Class 54 Rating, Add	3,527.65	
			For Class 55 Rating, Add	5,261.86	
			For Class 56 Rating, Add	6,972.78	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2485	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,051.25	1,871.11
		For Class 52 Rating, Deduct	-2,663.79	
		For Class 54 Rating, Add	3,666.45	
		For Class 55 Rating, Add	5,468.26	
		For Class 56 Rating, Add	7,245.85	
40 05 19 00-2486	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,982.74	1,875.51
		For Class 52 Rating, Deduct	-2,765.52	
		For Class 54 Rating, Add	3,805.26	
		For Class 55 Rating, Add	5,674.66	
		For Class 56 Rating, Add	7,518.92	
40 05 19 00-2487	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,914.23	1,879.89
		For Class 52 Rating, Deduct	-2,867.25	
		For Class 54 Rating, Add	3,944.07	
		For Class 55 Rating, Add	5,881.06	
		For Class 56 Rating, Add	7,791.98	
40 05 19 00-2488	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,845.74	1,884.29
		For Class 52 Rating, Deduct	-2,968.98	
		For Class 54 Rating, Add	4,082.87	
		For Class 55 Rating, Add	6,087.46	
		For Class 56 Rating, Add	8,065.05	
40 05 19 00-2489	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,777.23	1,888.68
		For Class 52 Rating, Deduct	-3,070.71	
		For Class 54 Rating, Add	4,221.68	
		For Class 55 Rating, Add	6,293.86	
		For Class 56 Rating, Add	8,338.12	
40 05 19 00-2490	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,708.73	1,893.07
		For Class 52 Rating, Deduct	-3,172.45	
		For Class 54 Rating, Add	4,360.49	
		For Class 55 Rating, Add	6,500.26	
		For Class 56 Rating, Add	8,611.19	
40 05 19 00-2491	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,640.23	1,897.46
		For Class 52 Rating, Deduct	-3,274.18	
		For Class 54 Rating, Add	4,499.29	
		For Class 55 Rating, Add	6,706.66	
		For Class 56 Rating, Add	8,884.26	
40 05 19 00-2492	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,571.72	1,901.86
		For Class 52 Rating, Deduct	-3,375.91	
		For Class 54 Rating, Add	4,638.10	
		For Class 55 Rating, Add	6,913.06	
		For Class 56 Rating, Add	9,157.32	
40 05 19 00-2493	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,503.22	1,906.25
		For Class 52 Rating, Deduct	-3,477.65	
		For Class 54 Rating, Add	4,776.90	
		For Class 55 Rating, Add	7,119.45	
		For Class 56 Rating, Add	9,430.39	
40 05 19 00-2494	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,434.71	1,910.64
		For Class 52 Rating, Deduct	-3,579.38	
		For Class 54 Rating, Add	4,915.71	
		For Class 55 Rating, Add	7,325.85	
		For Class 56 Rating, Add	9,703.46	
40 05 19 00-2495	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,366.21	1,915.03
		For Class 52 Rating, Deduct	-3,681.11	
		For Class 54 Rating, Add	5,054.51	
		For Class 55 Rating, Add	7,532.25	
		For Class 56 Rating, Add	9,976.53	
40 05 19 00-2496	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,297.70	1,919.43
		For Class 52 Rating, Deduct	-3,782.84	
		For Class 54 Rating, Add	5,193.32	
		For Class 55 Rating, Add	7,738.65	
		For Class 56 Rating, Add	10,249.59	
40 05 19 00-2497	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,229.20	1,923.82
		For Class 52 Rating, Deduct	-3,884.58	
		For Class 54 Rating, Add	5,332.13	
		For Class 55 Rating, Add	7,945.05	
		For Class 56 Rating, Add	10,522.66	
40 05 19 00-2498	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,160.70	1,928.21
		For Class 52 Rating, Deduct	-3,986.31	
		For Class 54 Rating, Add	5,470.93	
		For Class 55 Rating, Add	8,151.45	
		For Class 56 Rating, Add	10,795.73	
40 05 19 00-2499	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,092.19	1,932.61
		For Class 52 Rating, Deduct	-4,088.04	
		For Class 54 Rating, Add	5,609.74	
		For Class 55 Rating, Add	8,357.85	
		For Class 56 Rating, Add	11,068.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2500	EA		30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,023.68	1,937.00
			For Class 52 Rating, Deduct	-4,189.77	
			For Class 54 Rating, Add	5,748.54	
			For Class 55 Rating, Add	8,564.25	
			For Class 56 Rating, Add	11,341.86	
40 05 19 00-2501	EA		30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,955.18	1,941.39
			For Class 52 Rating, Deduct	-4,291.51	
			For Class 54 Rating, Add	5,887.35	
			For Class 55 Rating, Add	8,770.65	
			For Class 56 Rating, Add	11,614.93	
40 05 19 00-2502	EA		30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,886.69	1,945.78
			For Class 52 Rating, Deduct	-4,393.24	
			For Class 54 Rating, Add	6,026.16	
			For Class 55 Rating, Add	8,977.05	
			For Class 56 Rating, Add	11,888.00	
40 05 19 00-2503	EA		30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,818.18	1,950.18
			For Class 52 Rating, Deduct	-4,494.97	
			For Class 54 Rating, Add	6,164.96	
			For Class 55 Rating, Add	9,183.45	
			For Class 56 Rating, Add	12,161.07	
40 05 19 00-2504	EA		30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,749.67	1,954.57
			For Class 52 Rating, Deduct	-4,596.70	
			For Class 54 Rating, Add	6,303.77	
			For Class 55 Rating, Add	9,389.85	
			For Class 56 Rating, Add	12,434.13	
40 05 19 00-2505	EA		30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,681.17	1,958.96
			For Class 52 Rating, Deduct	-4,698.44	
			For Class 54 Rating, Add	6,442.57	
			For Class 55 Rating, Add	9,596.25	
			For Class 56 Rating, Add	12,707.20	
40 05 19 00-2506 36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe					
			(40 05 19 00-2074)		
40 05 19 00-2507	EA		36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,539.97	2,292.77
			For Class 52 Rating, Deduct	-1,767.27	
			For Class 54 Rating, Add	2,451.60	
			For Class 55 Rating, Add	3,666.11	
			For Class 56 Rating, Add	4,864.55	
40 05 19 00-2508	EA		36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,787.85	2,297.17
			For Class 52 Rating, Deduct	-1,903.80	
			For Class 54 Rating, Add	2,637.86	
			For Class 55 Rating, Add	3,943.06	
			For Class 56 Rating, Add	5,230.95	
40 05 19 00-2509	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,035.74	2,301.56
			For Class 52 Rating, Deduct	-2,040.34	
			For Class 54 Rating, Add	2,824.13	
			For Class 55 Rating, Add	4,220.02	
			For Class 56 Rating, Add	5,597.36	
40 05 19 00-2510	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,283.63	2,305.95
			For Class 52 Rating, Deduct	-2,176.87	
			For Class 54 Rating, Add	3,010.39	
			For Class 55 Rating, Add	4,496.97	
			For Class 56 Rating, Add	5,963.76	
40 05 19 00-2511	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,531.53	2,310.34
			For Class 52 Rating, Deduct	-2,313.41	
			For Class 54 Rating, Add	3,196.66	
			For Class 55 Rating, Add	4,773.93	
			For Class 56 Rating, Add	6,330.17	
40 05 19 00-2512	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,779.41	2,314.74
			For Class 52 Rating, Deduct	-2,449.95	
			For Class 54 Rating, Add	3,382.92	
			For Class 55 Rating, Add	5,050.88	
			For Class 56 Rating, Add	6,696.57	
40 05 19 00-2513	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,027.30	2,319.12
			For Class 52 Rating, Deduct	-2,586.48	
			For Class 54 Rating, Add	3,569.19	
			For Class 55 Rating, Add	5,327.84	
			For Class 56 Rating, Add	7,062.97	
40 05 19 00-2514	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,275.19	2,323.52
			For Class 52 Rating, Deduct	-2,723.02	
			For Class 54 Rating, Add	3,755.45	
			For Class 55 Rating, Add	5,604.79	
			For Class 56 Rating, Add	7,429.38	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2515	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,523.07	2,327.91
		For Class 52 Rating, Deduct	-2,859.55	
		For Class 54 Rating, Add	3,941.72	
		For Class 55 Rating, Add	5,881.75	
		For Class 56 Rating, Add	7,795.78	
40 05 19 00-2516	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,770.96	2,332.31
		For Class 52 Rating, Deduct	-2,996.09	
		For Class 54 Rating, Add	4,127.98	
		For Class 55 Rating, Add	6,158.70	
		For Class 56 Rating, Add	8,162.18	
40 05 19 00-2517	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,018.86	2,336.69
		For Class 52 Rating, Deduct	-3,132.63	
		For Class 54 Rating, Add	4,314.25	
		For Class 55 Rating, Add	6,435.66	
		For Class 56 Rating, Add	8,528.59	
40 05 19 00-2518	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,266.74	2,341.09
		For Class 52 Rating, Deduct	-3,269.16	
		For Class 54 Rating, Add	4,500.51	
		For Class 55 Rating, Add	6,712.61	
		For Class 56 Rating, Add	8,894.99	
40 05 19 00-2519	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,514.63	2,345.48
		For Class 52 Rating, Deduct	-3,405.70	
		For Class 54 Rating, Add	4,686.78	
		For Class 55 Rating, Add	6,989.57	
		For Class 56 Rating, Add	9,261.39	
40 05 19 00-2520	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,762.53	2,349.88
		For Class 52 Rating, Deduct	-3,542.23	
		For Class 54 Rating, Add	4,873.04	
		For Class 55 Rating, Add	7,266.52	
		For Class 56 Rating, Add	9,627.80	
40 05 19 00-2521	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,010.41	2,354.26
		For Class 52 Rating, Deduct	-3,678.77	
		For Class 54 Rating, Add	5,059.31	
		For Class 55 Rating, Add	7,543.47	
		For Class 56 Rating, Add	9,994.20	
40 05 19 00-2522	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,258.30	2,358.66
		For Class 52 Rating, Deduct	-3,815.30	
		For Class 54 Rating, Add	5,245.57	
		For Class 55 Rating, Add	7,820.43	
		For Class 56 Rating, Add	10,360.61	
40 05 19 00-2523	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,506.18	2,363.05
		For Class 52 Rating, Deduct	-3,951.84	
		For Class 54 Rating, Add	5,431.84	
		For Class 55 Rating, Add	8,097.38	
		For Class 56 Rating, Add	10,727.01	
40 05 19 00-2524	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,754.08	2,367.44
		For Class 52 Rating, Deduct	-4,088.38	
		For Class 54 Rating, Add	5,618.10	
		For Class 55 Rating, Add	8,374.34	
		For Class 56 Rating, Add	11,093.41	
40 05 19 00-2525	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,001.97	2,371.83
		For Class 52 Rating, Deduct	-4,224.91	
		For Class 54 Rating, Add	5,804.37	
		For Class 55 Rating, Add	8,651.30	
		For Class 56 Rating, Add	11,459.82	
40 05 19 00-2526	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,249.85	2,376.23
		For Class 52 Rating, Deduct	-4,361.45	
		For Class 54 Rating, Add	5,990.63	
		For Class 55 Rating, Add	8,928.25	
		For Class 56 Rating, Add	11,826.22	
40 05 19 00-2527	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,497.75	2,380.62
		For Class 52 Rating, Deduct	-4,497.98	
		For Class 54 Rating, Add	6,176.90	
		For Class 55 Rating, Add	9,205.21	
		For Class 56 Rating, Add	12,192.62	
40 05 19 00-2528	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,745.63	2,385.01
		For Class 52 Rating, Deduct	-4,634.52	
		For Class 54 Rating, Add	6,363.16	
		For Class 55 Rating, Add	9,482.16	
		For Class 56 Rating, Add	12,559.03	
40 05 19 00-2529	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,993.52	2,389.40
		For Class 52 Rating, Deduct	-4,771.05	
		For Class 54 Rating, Add	6,549.43	
		For Class 55 Rating, Add	9,759.12	
		For Class 56 Rating, Add	12,925.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2530	EA		36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,241.41	2,393.80
			For Class 52 Rating, Deduct	-4,907.59	
			For Class 54 Rating, Add	6,735.69	
			For Class 55 Rating, Add	10,036.07	
			For Class 56 Rating, Add	13,291.83	
40 05 19 00-2531	EA		36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,489.30	2,398.18
			For Class 52 Rating, Deduct	-5,044.12	
			For Class 54 Rating, Add	6,921.96	
			For Class 55 Rating, Add	10,313.02	
			For Class 56 Rating, Add	13,658.24	
40 05 19 00-2532	EA		36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,737.19	2,402.58
			For Class 52 Rating, Deduct	-5,180.66	
			For Class 54 Rating, Add	7,108.22	
			For Class 55 Rating, Add	10,589.98	
			For Class 56 Rating, Add	14,024.64	
40 05 19 00-2533	EA		36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,985.07	2,406.97
			For Class 52 Rating, Deduct	-5,317.20	
			For Class 54 Rating, Add	7,294.49	
			For Class 55 Rating, Add	10,866.93	
			For Class 56 Rating, Add	14,391.04	
40 05 19 00-2534	EA		36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,232.97	2,411.37
			For Class 52 Rating, Deduct	-5,453.73	
			For Class 54 Rating, Add	7,480.75	
			For Class 55 Rating, Add	11,143.89	
			For Class 56 Rating, Add	14,757.45	
40 05 19 00-2535	EA		36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,480.86	2,415.75
			For Class 52 Rating, Deduct	-5,590.27	
			For Class 54 Rating, Add	7,667.02	
			For Class 55 Rating, Add	11,420.84	
			For Class 56 Rating, Add	15,123.85	
40 05 19 00-2536	EA		36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,728.74	2,420.15
			For Class 52 Rating, Deduct	-5,726.80	
			For Class 54 Rating, Add	7,853.28	
			For Class 55 Rating, Add	11,697.80	
			For Class 56 Rating, Add	15,490.25	
40 05 19 00-2537	EA		36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,976.63	2,424.54
			For Class 52 Rating, Deduct	-5,863.34	
			For Class 54 Rating, Add	8,039.55	
			For Class 55 Rating, Add	11,974.75	
			For Class 56 Rating, Add	15,856.66	
40 05 19 00-2538	EA		36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,224.52	2,428.94
			For Class 52 Rating, Deduct	-5,999.88	
			For Class 54 Rating, Add	8,225.81	
			For Class 55 Rating, Add	12,251.71	
			For Class 56 Rating, Add	16,223.06	
40 05 19 00-2539	EA		36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,472.41	2,433.32
			For Class 52 Rating, Deduct	-6,136.41	
			For Class 54 Rating, Add	8,412.07	
			For Class 55 Rating, Add	12,528.66	
			For Class 56 Rating, Add	16,589.46	
40 05 19 00-2540	EA		36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,720.30	2,437.72
			For Class 52 Rating, Deduct	-6,272.95	
			For Class 54 Rating, Add	8,598.34	
			For Class 55 Rating, Add	12,805.62	
			For Class 56 Rating, Add	16,955.87	
40 05 19 00-2541	EA		36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,968.18	2,442.11
			For Class 52 Rating, Deduct	-6,409.48	
			For Class 54 Rating, Add	8,784.60	
			For Class 55 Rating, Add	13,082.57	
			For Class 56 Rating, Add	17,322.27	
40 05 19 00-2542			42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2074)		
40 05 19 00-2543	EA		42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,811.55	2,890.12
			For Class 52 Rating, Deduct	-2,357.58	
			For Class 54 Rating, Add	3,267.43	
			For Class 55 Rating, Add	4,884.56	
			For Class 56 Rating, Add	6,480.25	
40 05 19 00-2544	EA		42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,643.54	2,894.51
			For Class 52 Rating, Deduct	-2,558.37	
			For Class 54 Rating, Add	3,541.32	
			For Class 55 Rating, Add	5,291.77	
			For Class 56 Rating, Add	7,018.97	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2545	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	29,460.35	2,898.91
		For Class 52 Rating, Deduct	-2,757.49	
		For Class 54 Rating, Add	3,812.92	
		For Class 55 Rating, Add	5,695.59	
		For Class 56 Rating, Add	7,553.20	
40 05 19 00-2546	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	31,295.38	2,903.30
		For Class 52 Rating, Deduct	-2,958.61	
		For Class 54 Rating, Add	4,087.25	
		For Class 55 Rating, Add	6,103.48	
		For Class 56 Rating, Add	8,092.81	
40 05 19 00-2547	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	33,118.25	2,907.69
		For Class 52 Rating, Deduct	-3,158.39	
		For Class 54 Rating, Add	4,359.77	
		For Class 55 Rating, Add	6,508.66	
		For Class 56 Rating, Add	8,628.84	
40 05 19 00-2548	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	34,959.38	2,912.08
		For Class 52 Rating, Deduct	-3,360.18	
		For Class 54 Rating, Add	4,635.02	
		For Class 55 Rating, Add	6,917.90	
		For Class 56 Rating, Add	9,170.24	
40 05 19 00-2549	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	36,782.25	2,916.48
		For Class 52 Rating, Deduct	-3,559.97	
		For Class 54 Rating, Add	4,907.53	
		For Class 55 Rating, Add	7,323.08	
		For Class 56 Rating, Add	9,706.27	
40 05 19 00-2550	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	38,626.42	2,920.86
		For Class 52 Rating, Deduct	-3,762.09	
		For Class 54 Rating, Add	5,183.24	
		For Class 55 Rating, Add	7,733.01	
		For Class 56 Rating, Add	10,248.57	
40 05 19 00-2551	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	40,455.37	2,925.26
		For Class 52 Rating, Deduct	-3,962.55	
		For Class 54 Rating, Add	5,456.66	
		For Class 55 Rating, Add	8,139.54	
		For Class 56 Rating, Add	10,786.39	
40 05 19 00-2552	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	42,299.55	2,929.65
		For Class 52 Rating, Deduct	-4,164.67	
		For Class 54 Rating, Add	5,732.37	
		For Class 55 Rating, Add	8,549.46	
		For Class 56 Rating, Add	11,328.70	
40 05 19 00-2553	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	44,128.50	2,934.05
		For Class 52 Rating, Deduct	-4,365.13	
		For Class 54 Rating, Add	6,005.79	
		For Class 55 Rating, Add	8,956.00	
		For Class 56 Rating, Add	11,866.52	
40 05 19 00-2554	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	45,975.70	2,938.43
		For Class 52 Rating, Deduct	-4,567.59	
		For Class 54 Rating, Add	6,281.96	
		For Class 55 Rating, Add	9,366.60	
		For Class 56 Rating, Add	12,409.72	
40 05 19 00-2555	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	47,804.68	2,942.83
		For Class 52 Rating, Deduct	-4,768.04	
		For Class 54 Rating, Add	6,555.38	
		For Class 55 Rating, Add	9,773.13	
		For Class 56 Rating, Add	12,947.54	
40 05 19 00-2556	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	49,639.71	2,947.22
		For Class 52 Rating, Deduct	-4,969.16	
		For Class 54 Rating, Add	6,829.72	
		For Class 55 Rating, Add	10,181.02	
		For Class 56 Rating, Add	13,487.15	
40 05 19 00-2557	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	51,483.87	2,951.62
		For Class 52 Rating, Deduct	-5,171.29	
		For Class 54 Rating, Add	7,105.43	
		For Class 55 Rating, Add	10,590.95	
		For Class 56 Rating, Add	14,029.46	
40 05 19 00-2558	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	53,315.87	2,956.00
		For Class 52 Rating, Deduct	-5,372.08	
		For Class 54 Rating, Add	7,379.31	
		For Class 55 Rating, Add	10,998.16	
		For Class 56 Rating, Add	14,568.18	
40 05 19 00-2559	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron		
		Pipe	55,169.18	2,960.40
		For Class 52 Rating, Deduct	-5,575.21	
		For Class 54 Rating, Add	7,656.38	
		For Class 55 Rating, Add	11,410.12	
		For Class 56 Rating, Add	15,113.17	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
40 05 19 00-2560	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		57,004.21	2,964.79
		For Class 52 Rating, Deduct		-5,776.33	
		For Class 54 Rating, Add		7,930.72	
		For Class 55 Rating, Add		11,818.01	
		For Class 56 Rating, Add		15,652.79	
40 05 19 00-2561	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		58,854.46	2,969.18
		For Class 52 Rating, Deduct		-5,979.13	
		For Class 54 Rating, Add		8,207.34	
		For Class 55 Rating, Add		12,229.29	
		For Class 56 Rating, Add		16,196.89	
40 05 19 00-2562	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		60,686.47	2,973.57
		For Class 52 Rating, Deduct		-6,179.92	
		For Class 54 Rating, Add		8,481.22	
		For Class 55 Rating, Add		12,636.50	
		For Class 56 Rating, Add		16,735.60	
40 05 19 00-2563	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		62,542.80	2,977.97
		For Class 52 Rating, Deduct		-6,383.38	
		For Class 54 Rating, Add		8,758.75	
		For Class 55 Rating, Add		13,049.14	
		For Class 56 Rating, Add		17,281.50	
40 05 19 00-2564	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		64,377.84	2,982.36
		For Class 52 Rating, Deduct		-6,584.50	
		For Class 54 Rating, Add		9,033.09	
		For Class 55 Rating, Add		13,457.03	
		For Class 56 Rating, Add		17,821.11	
40 05 19 00-2565	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		66,228.09	2,986.75
		For Class 52 Rating, Deduct		-6,787.30	
		For Class 54 Rating, Add		9,309.71	
		For Class 55 Rating, Add		13,868.31	
		For Class 56 Rating, Add		18,365.21	
40 05 19 00-2566	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		68,063.14	2,991.14
		For Class 52 Rating, Deduct		-6,988.42	
		For Class 54 Rating, Add		9,584.05	
		For Class 55 Rating, Add		14,276.20	
		For Class 56 Rating, Add		18,904.83	
40 05 19 00-2567	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		69,919.47	2,995.54
		For Class 52 Rating, Deduct		-7,191.89	
		For Class 54 Rating, Add		9,861.58	
		For Class 55 Rating, Add		14,688.84	
		For Class 56 Rating, Add		19,450.72	
40 05 19 00-2568	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		71,754.51	2,999.92
		For Class 52 Rating, Deduct		-7,393.01	
		For Class 54 Rating, Add		10,135.92	
		For Class 55 Rating, Add		15,096.73	
		For Class 56 Rating, Add		19,990.34	
40 05 19 00-2569	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		73,604.76	3,004.32
		For Class 52 Rating, Deduct		-7,595.80	
		For Class 54 Rating, Add		10,412.54	
		For Class 55 Rating, Add		15,508.01	
		For Class 56 Rating, Add		20,534.44	
40 05 19 00-2570	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		75,442.85	3,008.71
		For Class 52 Rating, Deduct		-7,797.26	
		For Class 54 Rating, Add		10,687.33	
		For Class 55 Rating, Add		15,916.58	
		For Class 56 Rating, Add		21,074.95	
40 05 19 00-2571	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		76,931.07	3,013.11
		For Class 52 Rating, Deduct		-7,960.23	
		For Class 54 Rating, Add		10,909.65	
		For Class 55 Rating, Add		16,247.13	
		For Class 56 Rating, Add		21,512.25	
40 05 19 00-2572	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		79,134.22	3,017.49
		For Class 52 Rating, Deduct		-8,201.85	
		For Class 54 Rating, Add		11,239.20	
		For Class 55 Rating, Add		16,737.11	
		For Class 56 Rating, Add		22,160.46	
40 05 19 00-2573	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		80,969.28	3,021.89
		For Class 52 Rating, Deduct		-8,402.97	
		For Class 54 Rating, Add		11,513.54	
		For Class 55 Rating, Add		17,145.00	
		For Class 56 Rating, Add		22,700.07	
40 05 19 00-2574	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		82,822.57	3,026.28
		For Class 52 Rating, Deduct		-8,606.10	
		For Class 54 Rating, Add		11,790.62	
		For Class 55 Rating, Add		17,556.96	
		For Class 56 Rating, Add		23,245.07	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2575	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,660.64	3,030.68
		For Class 52 Rating, Deduct	-8,807.56	
		For Class 54 Rating, Add	12,065.41	
		For Class 55 Rating, Add	17,965.53	
		For Class 56 Rating, Add	23,785.58	
40 05 19 00-2576	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	86,516.98	3,035.06
		For Class 52 Rating, Deduct	-9,011.02	
		For Class 54 Rating, Add	12,342.94	
		For Class 55 Rating, Add	18,378.17	
		For Class 56 Rating, Add	24,331.48	
40 05 19 00-2577	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	88,348.98	3,039.46
		For Class 52 Rating, Deduct	-9,211.81	
		For Class 54 Rating, Add	12,616.82	
		For Class 55 Rating, Add	18,785.38	
		For Class 56 Rating, Add	24,870.19	

40 05 19 00-2578 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2074)

40 05 19 00-2579	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,375.78	3,632.42
		For Class 52 Rating, Deduct	-2,955.93	
		For Class 54 Rating, Add	4,096.86	
		For Class 55 Rating, Add	6,124.57	
		For Class 56 Rating, Add	8,125.40	
40 05 19 00-2580	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,992.67	3,636.81
		For Class 52 Rating, Deduct	-3,243.06	
		For Class 54 Rating, Add	4,488.48	
		For Class 55 Rating, Add	6,706.81	
		For Class 56 Rating, Add	8,895.66	
40 05 19 00-2581	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,615.64	3,641.20
		For Class 52 Rating, Deduct	-3,530.85	
		For Class 54 Rating, Add	4,881.00	
		For Class 55 Rating, Add	7,290.41	
		For Class 56 Rating, Add	9,667.72	
40 05 19 00-2582	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,269.05	3,645.60
		For Class 52 Rating, Deduct	-3,822.00	
		For Class 54 Rating, Add	5,278.10	
		For Class 55 Rating, Add	7,880.80	
		For Class 56 Rating, Add	10,448.75	
40 05 19 00-2583	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,913.33	3,649.98
		For Class 52 Rating, Deduct	-4,112.14	
		For Class 54 Rating, Add	5,673.82	
		For Class 55 Rating, Add	8,469.15	
		For Class 56 Rating, Add	11,227.09	
40 05 19 00-2584	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,563.69	3,654.38
		For Class 52 Rating, Deduct	-4,402.94	
		For Class 54 Rating, Add	6,070.46	
		For Class 55 Rating, Add	9,058.85	
		For Class 56 Rating, Add	12,007.22	
40 05 19 00-2585	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,232.30	3,658.77
		For Class 52 Rating, Deduct	-4,695.76	
		For Class 54 Rating, Add	6,469.83	
		For Class 55 Rating, Add	9,652.63	
		For Class 56 Rating, Add	12,792.74	
40 05 19 00-2586	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,894.84	3,663.17
		For Class 52 Rating, Deduct	-4,987.90	
		For Class 54 Rating, Add	6,868.29	
		For Class 55 Rating, Add	10,245.05	
		For Class 56 Rating, Add	13,576.46	
40 05 19 00-2587	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,554.32	3,667.55
		For Class 52 Rating, Deduct	-5,279.72	
		For Class 54 Rating, Add	7,266.30	
		For Class 55 Rating, Add	10,836.79	
		For Class 56 Rating, Add	14,359.29	
40 05 19 00-2588	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,241.19	3,671.95
		For Class 52 Rating, Deduct	-5,574.54	
		For Class 54 Rating, Add	7,668.41	
		For Class 55 Rating, Add	11,434.64	
		For Class 56 Rating, Add	15,150.19	
40 05 19 00-2589	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,909.81	3,676.34
		For Class 52 Rating, Deduct	-5,867.35	
		For Class 54 Rating, Add	8,067.78	
		For Class 55 Rating, Add	12,028.41	
		For Class 56 Rating, Add	15,935.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2590	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,599.72	3,680.73
			For Class 52 Rating, Deduct	-6,162.51	
			For Class 54 Rating, Add	8,470.35	
			For Class 55 Rating, Add	12,626.94	
			For Class 56 Rating, Add	16,727.51	
40 05 19 00-2591	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,274.41	3,685.12
			For Class 52 Rating, Deduct	-6,456.00	
			For Class 54 Rating, Add	8,870.64	
			For Class 55 Rating, Add	13,222.07	
			For Class 56 Rating, Add	17,514.82	
40 05 19 00-2592	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,952.15	3,689.52
			For Class 52 Rating, Deduct	-6,749.82	
			For Class 54 Rating, Add	9,271.38	
			For Class 55 Rating, Add	13,817.89	
			For Class 56 Rating, Add	18,303.03	
40 05 19 00-2593	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,648.16	3,693.91
			For Class 52 Rating, Deduct	-7,045.65	
			For Class 54 Rating, Add	9,674.86	
			For Class 55 Rating, Add	14,417.77	
			For Class 56 Rating, Add	19,096.63	
40 05 19 00-2594	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,331.98	3,698.30
			For Class 52 Rating, Deduct	-7,340.13	
			For Class 54 Rating, Add	10,076.52	
			For Class 55 Rating, Add	15,014.94	
			For Class 56 Rating, Add	19,886.63	
40 05 19 00-2595	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,012.76	3,702.69
			For Class 52 Rating, Deduct	-7,634.29	
			For Class 54 Rating, Add	10,477.71	
			For Class 55 Rating, Add	15,611.43	
			For Class 56 Rating, Add	20,675.74	
40 05 19 00-2596	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,714.85	3,707.09
			For Class 52 Rating, Deduct	-7,930.79	
			For Class 54 Rating, Add	10,882.11	
			For Class 55 Rating, Add	16,212.67	
			For Class 56 Rating, Add	21,471.13	
40 05 19 00-2597	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,401.71	3,711.48
			For Class 52 Rating, Deduct	-8,225.61	
			For Class 54 Rating, Add	11,284.22	
			For Class 55 Rating, Add	16,810.51	
			For Class 56 Rating, Add	22,262.03	
40 05 19 00-2598	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,085.54	3,715.87
			For Class 52 Rating, Deduct	-8,520.10	
			For Class 54 Rating, Add	11,685.88	
			For Class 55 Rating, Add	17,407.68	
			For Class 56 Rating, Add	23,052.04	
40 05 19 00-2599	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,790.66	3,720.26
			For Class 52 Rating, Deduct	-8,816.93	
			For Class 54 Rating, Add	12,090.73	
			For Class 55 Rating, Add	18,009.60	
			For Class 56 Rating, Add	23,848.32	
40 05 19 00-2600	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	88,483.62	3,724.66
			For Class 52 Rating, Deduct	-9,112.42	
			For Class 54 Rating, Add	12,493.75	
			For Class 55 Rating, Add	18,608.81	
			For Class 56 Rating, Add	24,641.02	
40 05 19 00-2601	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	91,170.48	3,729.04
			For Class 52 Rating, Deduct	-9,407.25	
			For Class 54 Rating, Add	12,895.86	
			For Class 55 Rating, Add	19,206.65	
			For Class 56 Rating, Add	25,431.92	
40 05 19 00-2602	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	93,878.65	3,733.44
			For Class 52 Rating, Deduct	-9,704.41	
			For Class 54 Rating, Add	13,301.17	
			For Class 55 Rating, Add	19,809.25	
			For Class 56 Rating, Add	26,229.11	
40 05 19 00-2603	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	96,571.61	3,737.83
			For Class 52 Rating, Deduct	-9,999.90	
			For Class 54 Rating, Add	13,704.19	
			For Class 55 Rating, Add	20,408.45	
			For Class 56 Rating, Add	27,021.81	
40 05 19 00-2604	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	99,261.51	3,742.23
			For Class 52 Rating, Deduct	-10,295.06	
			For Class 54 Rating, Add	14,106.76	
			For Class 55 Rating, Add	21,006.98	
			For Class 56 Rating, Add	27,813.61	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2605	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	101,972.71	3,746.61
		<i>For Class 52 Rating, Deduct</i>	-10,592.56	
		<i>For Class 54 Rating, Add</i>	14,512.52	
		<i>For Class 55 Rating, Add</i>	21,610.25	
		<i>For Class 56 Rating, Add</i>	28,611.69	
40 05 19 00-2606	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	104,668.70	3,751.01
		<i>For Class 52 Rating, Deduct</i>	-10,888.39	
		<i>For Class 54 Rating, Add</i>	14,916.00	
		<i>For Class 55 Rating, Add</i>	22,210.14	
		<i>For Class 56 Rating, Add</i>	29,405.28	
40 05 19 00-2607	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	107,048.32	3,755.40
		<i>For Class 52 Rating, Deduct</i>	-11,149.41	
		<i>For Class 54 Rating, Add</i>	15,272.03	
		<i>For Class 55 Rating, Add</i>	22,739.46	
		<i>For Class 56 Rating, Add</i>	30,105.54	
40 05 19 00-2608	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	110,075.91	3,759.79
		<i>For Class 52 Rating, Deduct</i>	-11,481.72	
		<i>For Class 54 Rating, Add</i>	15,725.25	
		<i>For Class 55 Rating, Add</i>	23,413.29	
		<i>For Class 56 Rating, Add</i>	30,996.96	
40 05 19 00-2609	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	112,768.86	3,764.18
		<i>For Class 52 Rating, Deduct</i>	-11,777.21	
		<i>For Class 54 Rating, Add</i>	16,128.27	
		<i>For Class 55 Rating, Add</i>	24,012.50	
		<i>For Class 56 Rating, Add</i>	31,789.66	
40 05 19 00-2610	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	115,486.15	3,768.58
		<i>For Class 52 Rating, Deduct</i>	-12,075.38	
		<i>For Class 54 Rating, Add</i>	16,534.95	
		<i>For Class 55 Rating, Add</i>	24,617.13	
		<i>For Class 56 Rating, Add</i>	32,589.53	
40 05 19 00-2611	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	118,179.11	3,772.97
		<i>For Class 52 Rating, Deduct</i>	-12,370.87	
		<i>For Class 54 Rating, Add</i>	16,937.97	
		<i>For Class 55 Rating, Add</i>	25,216.33	
		<i>For Class 56 Rating, Add</i>	33,382.23	
40 05 19 00-2612	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	120,872.06	3,777.36
		<i>For Class 52 Rating, Deduct</i>	-12,666.37	
		<i>For Class 54 Rating, Add</i>	17,341.00	
		<i>For Class 55 Rating, Add</i>	25,815.54	
		<i>For Class 56 Rating, Add</i>	34,174.93	
40 05 19 00-2613	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	123,592.39	3,781.75
		<i>For Class 52 Rating, Deduct</i>	-12,964.87	
		<i>For Class 54 Rating, Add</i>	17,748.13	
		<i>For Class 55 Rating, Add</i>	26,420.85	
		<i>For Class 56 Rating, Add</i>	34,975.70	

 40 05 19 00-2614 Flanged End x Grooved End (FxF), Ceramic Epoxy Lined (P401),
 Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2073)

 40 05 19 00-2615 4" Flanged End x Grooved End (FxF), Class 53, Ceramic Epoxy Lined
 (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)

40 05 19 00-2616	EA	4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	849.09	200.99
		<i>For Class 52 Rating, Deduct</i>	-59.90	
		<i>For Class 54 Rating, Add</i>	85.34	
		<i>For Class 55 Rating, Add</i>	128.75	
		<i>For Class 56 Rating, Add</i>	171.61	
40 05 19 00-2617	EA	4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	970.02	204.51
		<i>For Class 52 Rating, Deduct</i>	-72.62	
		<i>For Class 54 Rating, Add</i>	102.74	
		<i>For Class 55 Rating, Add</i>	154.65	
		<i>For Class 56 Rating, Add</i>	205.90	
40 05 19 00-2618	EA	4" Flanged x Grooved (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,090.95	208.02
		<i>For Class 52 Rating, Deduct</i>	-85.33	
		<i>For Class 54 Rating, Add</i>	120.15	
		<i>For Class 55 Rating, Add</i>	180.56	
		<i>For Class 56 Rating, Add</i>	240.20	
40 05 19 00-2619	EA	4" Flanged x Grooved (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,211.88	211.53
		<i>For Class 52 Rating, Deduct</i>	-98.05	
		<i>For Class 54 Rating, Add</i>	137.55	
		<i>For Class 55 Rating, Add</i>	206.47	
		<i>For Class 56 Rating, Add</i>	274.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2620	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	1,332.81	215.05
			For Class 52 Rating, Deduct	-110.77	
			For Class 54 Rating, Add	154.96	
			For Class 55 Rating, Add	232.38	
			For Class 56 Rating, Add	308.79	
40 05 19 00-2621	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	1,453.75	218.56
			For Class 52 Rating, Deduct	-123.48	
			For Class 54 Rating, Add	172.36	
			For Class 55 Rating, Add	258.29	
			For Class 56 Rating, Add	343.09	
40 05 19 00-2622	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	1,574.66	222.08
			For Class 52 Rating, Deduct	-136.20	
			For Class 54 Rating, Add	189.77	
			For Class 55 Rating, Add	284.19	
			For Class 56 Rating, Add	377.38	
40 05 19 00-2623	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	1,695.60	225.59
			For Class 52 Rating, Deduct	-148.92	
			For Class 54 Rating, Add	207.17	
			For Class 55 Rating, Add	310.10	
			For Class 56 Rating, Add	411.68	
40 05 19 00-2624	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	1,816.52	229.10
			For Class 52 Rating, Deduct	-161.63	
			For Class 54 Rating, Add	224.58	
			For Class 55 Rating, Add	336.01	
			For Class 56 Rating, Add	445.97	
40 05 19 00-2625	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	1,937.46	232.62
			For Class 52 Rating, Deduct	-174.35	
			For Class 54 Rating, Add	241.98	
			For Class 55 Rating, Add	361.92	
			For Class 56 Rating, Add	480.27	
40 05 19 00-2626	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	2,058.38	236.13
			For Class 52 Rating, Deduct	-187.07	
			For Class 54 Rating, Add	259.38	
			For Class 55 Rating, Add	387.82	
			For Class 56 Rating, Add	514.56	
40 05 19 00-2627	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	2,179.31	239.64
			For Class 52 Rating, Deduct	-199.78	
			For Class 54 Rating, Add	276.79	
			For Class 55 Rating, Add	413.73	
			For Class 56 Rating, Add	548.86	
40 05 19 00-2628	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	2,300.24	243.16
			For Class 52 Rating, Deduct	-212.50	
			For Class 54 Rating, Add	294.19	
			For Class 55 Rating, Add	439.64	
			For Class 56 Rating, Add	583.15	
40 05 19 00-2629	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	2,421.17	246.67
			For Class 52 Rating, Deduct	-225.22	
			For Class 54 Rating, Add	311.60	
			For Class 55 Rating, Add	465.55	
			For Class 56 Rating, Add	617.45	
40 05 19 00-2630	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	2,542.10	250.19
			For Class 52 Rating, Deduct	-237.93	
			For Class 54 Rating, Add	329.00	
			For Class 55 Rating, Add	491.45	
			For Class 56 Rating, Add	651.74	
40 05 19 00-2631	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	2,663.03	253.70
			For Class 52 Rating, Deduct	-250.65	
			For Class 54 Rating, Add	346.41	
			For Class 55 Rating, Add	517.36	
			For Class 56 Rating, Add	686.04	
40 05 19 00-2632	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	2,783.96	257.21
			For Class 52 Rating, Deduct	-263.37	
			For Class 54 Rating, Add	363.81	
			For Class 55 Rating, Add	543.27	
			For Class 56 Rating, Add	720.33	
40 05 19 00-2633	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	2,904.88	260.73
			For Class 52 Rating, Deduct	-276.08	
			For Class 54 Rating, Add	381.22	
			For Class 55 Rating, Add	569.18	
			For Class 56 Rating, Add	754.63	
40 05 19 00-2634	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	3,025.81	264.24
			For Class 52 Rating, Deduct	-288.80	
			For Class 54 Rating, Add	398.62	
			For Class 55 Rating, Add	595.08	
			For Class 56 Rating, Add	788.92	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2635	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,146.75	267.75
		For Class 52 Rating, Deduct	-301.52	
		For Class 54 Rating, Add	416.03	
		For Class 55 Rating, Add	620.99	
		For Class 56 Rating, Add	823.22	
40 05 19 00-2636	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,267.67	271.27
		For Class 52 Rating, Deduct	-314.23	
		For Class 54 Rating, Add	433.43	
		For Class 55 Rating, Add	646.90	
		For Class 56 Rating, Add	857.51	
40 05 19 00-2637	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,388.61	274.78
		For Class 52 Rating, Deduct	-326.95	
		For Class 54 Rating, Add	450.84	
		For Class 55 Rating, Add	672.81	
		For Class 56 Rating, Add	891.81	
40 05 19 00-2638	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,509.53	278.30
		For Class 52 Rating, Deduct	-339.67	
		For Class 54 Rating, Add	468.24	
		For Class 55 Rating, Add	698.71	
		For Class 56 Rating, Add	926.10	
40 05 19 00-2639	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,630.46	281.81
		For Class 52 Rating, Deduct	-352.38	
		For Class 54 Rating, Add	485.65	
		For Class 55 Rating, Add	724.62	
		For Class 56 Rating, Add	960.40	
40 05 19 00-2640	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,751.39	285.32
		For Class 52 Rating, Deduct	-365.10	
		For Class 54 Rating, Add	503.05	
		For Class 55 Rating, Add	750.53	
		For Class 56 Rating, Add	994.69	
40 05 19 00-2641	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,872.32	288.84
		For Class 52 Rating, Deduct	-377.82	
		For Class 54 Rating, Add	520.46	
		For Class 55 Rating, Add	776.44	
		For Class 56 Rating, Add	1,028.99	
40 05 19 00-2642	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,993.25	292.35
		For Class 52 Rating, Deduct	-390.53	
		For Class 54 Rating, Add	537.86	
		For Class 55 Rating, Add	802.35	
		For Class 56 Rating, Add	1,063.28	
40 05 19 00-2643	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,114.18	295.86
		For Class 52 Rating, Deduct	-403.25	
		For Class 54 Rating, Add	555.26	
		For Class 55 Rating, Add	828.25	
		For Class 56 Rating, Add	1,097.58	
40 05 19 00-2644	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,235.11	299.38
		For Class 52 Rating, Deduct	-415.97	
		For Class 54 Rating, Add	572.67	
		For Class 55 Rating, Add	854.16	
		For Class 56 Rating, Add	1,131.87	
40 05 19 00-2645	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,356.03	302.89
		For Class 52 Rating, Deduct	-428.68	
		For Class 54 Rating, Add	590.07	
		For Class 55 Rating, Add	880.07	
		For Class 56 Rating, Add	1,166.17	
40 05 19 00-2646	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,476.96	306.41
		For Class 52 Rating, Deduct	-441.40	
		For Class 54 Rating, Add	607.48	
		For Class 55 Rating, Add	905.98	
		For Class 56 Rating, Add	1,200.46	
40 05 19 00-2647	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,597.90	309.92
		For Class 52 Rating, Deduct	-454.12	
		For Class 54 Rating, Add	624.88	
		For Class 55 Rating, Add	931.89	
		For Class 56 Rating, Add	1,234.76	
40 05 19 00-2648	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,718.82	313.43
		For Class 52 Rating, Deduct	-466.83	
		For Class 54 Rating, Add	642.29	
		For Class 55 Rating, Add	957.79	
		For Class 56 Rating, Add	1,269.05	
40 05 19 00-2649	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,839.76	316.95
		For Class 52 Rating, Deduct	-479.55	
		For Class 54 Rating, Add	659.69	
		For Class 55 Rating, Add	983.70	
		For Class 56 Rating, Add	1,303.35	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2650	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,960.68	320.46
		For Class 52 Rating, Deduct	-492.27	
		For Class 54 Rating, Add	677.10	
		For Class 55 Rating, Add	1,009.61	
		For Class 56 Rating, Add	1,337.65	
40 05 19 00-2651	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,081.61	323.97
		For Class 52 Rating, Deduct	-504.98	
		For Class 54 Rating, Add	694.50	
		For Class 55 Rating, Add	1,035.52	
		For Class 56 Rating, Add	1,371.94	
40 05 19 00-2652	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,202.54	327.49
		For Class 52 Rating, Deduct	-517.70	
		For Class 54 Rating, Add	711.91	
		For Class 55 Rating, Add	1,061.42	
		For Class 56 Rating, Add	1,406.24	
40 05 19 00-2653	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,293.05	331.00
		For Class 52 Rating, Deduct	-527.07	
		For Class 54 Rating, Add	724.75	
		For Class 55 Rating, Add	1,080.55	
		For Class 56 Rating, Add	1,431.56	
40 05 19 00-2654	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,444.41	334.52
		For Class 52 Rating, Deduct	-543.13	
		For Class 54 Rating, Add	746.72	
		For Class 55 Rating, Add	1,113.24	
		For Class 56 Rating, Add	1,474.83	
 40 05 19 00-2655 6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe				
		(40 05 19 00-2614)		
40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,098.25	252.99
		For Class 52 Rating, Deduct	-78.64	
		For Class 54 Rating, Add	111.84	
		For Class 55 Rating, Add	168.63	
		For Class 56 Rating, Add	224.70	
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,237.43	256.51
		For Class 52 Rating, Deduct	-93.37	
		For Class 54 Rating, Add	131.98	
		For Class 55 Rating, Add	198.61	
		For Class 56 Rating, Add	264.38	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,376.61	260.02
		For Class 52 Rating, Deduct	-108.09	
		For Class 54 Rating, Add	152.12	
		For Class 55 Rating, Add	228.58	
		For Class 56 Rating, Add	304.06	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,515.80	263.53
		For Class 52 Rating, Deduct	-122.82	
		For Class 54 Rating, Add	172.27	
		For Class 55 Rating, Add	258.56	
		For Class 56 Rating, Add	343.74	
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,654.99	267.05
		For Class 52 Rating, Deduct	-137.54	
		For Class 54 Rating, Add	192.41	
		For Class 55 Rating, Add	288.54	
		For Class 56 Rating, Add	383.42	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,794.17	270.56
		For Class 52 Rating, Deduct	-152.26	
		For Class 54 Rating, Add	212.55	
		For Class 55 Rating, Add	318.52	
		For Class 56 Rating, Add	423.10	
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,933.35	274.07
		For Class 52 Rating, Deduct	-166.99	
		For Class 54 Rating, Add	232.70	
		For Class 55 Rating, Add	348.50	
		For Class 56 Rating, Add	462.78	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,072.53	277.59
		For Class 52 Rating, Deduct	-181.71	
		For Class 54 Rating, Add	252.84	
		For Class 55 Rating, Add	378.48	
		For Class 56 Rating, Add	502.46	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,211.71	281.10
		For Class 52 Rating, Deduct	-196.44	
		For Class 54 Rating, Add	272.98	
		For Class 55 Rating, Add	408.45	
		For Class 56 Rating, Add	542.14	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,350.89	284.62
		For Class 52 Rating, Deduct	-211.16	
		For Class 54 Rating, Add	293.12	
		For Class 55 Rating, Add	438.43	
		For Class 56 Rating, Add	581.82	
40 05 19 00-2666	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,490.08	288.13
		For Class 52 Rating, Deduct	-225.89	
		For Class 54 Rating, Add	313.27	
		For Class 55 Rating, Add	468.41	
		For Class 56 Rating, Add	621.50	
40 05 19 00-2667	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,629.26	291.64
		For Class 52 Rating, Deduct	-240.61	
		For Class 54 Rating, Add	333.41	
		For Class 55 Rating, Add	498.39	
		For Class 56 Rating, Add	661.18	
40 05 19 00-2668	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,768.44	295.16
		For Class 52 Rating, Deduct	-255.34	
		For Class 54 Rating, Add	353.55	
		For Class 55 Rating, Add	528.37	
		For Class 56 Rating, Add	700.86	
40 05 19 00-2669	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,907.63	298.67
		For Class 52 Rating, Deduct	-270.06	
		For Class 54 Rating, Add	373.69	
		For Class 55 Rating, Add	558.35	
		For Class 56 Rating, Add	740.54	
40 05 19 00-2670	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,046.81	302.19
		For Class 52 Rating, Deduct	-284.78	
		For Class 54 Rating, Add	393.84	
		For Class 55 Rating, Add	588.32	
		For Class 56 Rating, Add	780.22	
40 05 19 00-2671	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,185.99	305.70
		For Class 52 Rating, Deduct	-299.51	
		For Class 54 Rating, Add	413.98	
		For Class 55 Rating, Add	618.30	
		For Class 56 Rating, Add	819.90	
40 05 19 00-2672	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,325.17	309.21
		For Class 52 Rating, Deduct	-314.23	
		For Class 54 Rating, Add	434.12	
		For Class 55 Rating, Add	648.28	
		For Class 56 Rating, Add	859.58	
40 05 19 00-2673	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,464.35	312.73
		For Class 52 Rating, Deduct	-328.96	
		For Class 54 Rating, Add	454.26	
		For Class 55 Rating, Add	678.26	
		For Class 56 Rating, Add	899.26	
40 05 19 00-2674	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,603.54	316.24
		For Class 52 Rating, Deduct	-343.68	
		For Class 54 Rating, Add	474.41	
		For Class 55 Rating, Add	708.24	
		For Class 56 Rating, Add	938.94	
40 05 19 00-2675	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,742.72	319.75
		For Class 52 Rating, Deduct	-358.41	
		For Class 54 Rating, Add	494.55	
		For Class 55 Rating, Add	738.22	
		For Class 56 Rating, Add	978.62	
40 05 19 00-2676	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,881.91	323.27
		For Class 52 Rating, Deduct	-373.13	
		For Class 54 Rating, Add	514.69	
		For Class 55 Rating, Add	768.19	
		For Class 56 Rating, Add	1,018.30	
40 05 19 00-2677	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,021.09	326.78
		For Class 52 Rating, Deduct	-387.86	
		For Class 54 Rating, Add	534.84	
		For Class 55 Rating, Add	798.17	
		For Class 56 Rating, Add	1,057.98	
40 05 19 00-2678	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,160.27	330.30
		For Class 52 Rating, Deduct	-402.58	
		For Class 54 Rating, Add	554.98	
		For Class 55 Rating, Add	828.15	
		For Class 56 Rating, Add	1,097.66	
40 05 19 00-2679	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,299.44	333.81
		For Class 52 Rating, Deduct	-417.30	
		For Class 54 Rating, Add	575.12	
		For Class 55 Rating, Add	858.13	
		For Class 56 Rating, Add	1,137.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2680	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,438.63	337.32
			For Class 52 Rating, Deduct	-432.03	
			For Class 54 Rating, Add	595.26	
			For Class 55 Rating, Add	888.11	
			For Class 56 Rating, Add	1,177.02	
40 05 19 00-2681	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,577.82	340.84
			For Class 52 Rating, Deduct	-446.75	
			For Class 54 Rating, Add	615.41	
			For Class 55 Rating, Add	918.08	
			For Class 56 Rating, Add	1,216.70	
40 05 19 00-2682	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,717.00	344.35
			For Class 52 Rating, Deduct	-461.48	
			For Class 54 Rating, Add	635.55	
			For Class 55 Rating, Add	948.06	
			For Class 56 Rating, Add	1,256.38	
40 05 19 00-2683	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,856.19	347.86
			For Class 52 Rating, Deduct	-476.20	
			For Class 54 Rating, Add	655.69	
			For Class 55 Rating, Add	978.04	
			For Class 56 Rating, Add	1,296.06	
40 05 19 00-2684	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	4,995.37	351.38
			For Class 52 Rating, Deduct	-490.93	
			For Class 54 Rating, Add	675.83	
			For Class 55 Rating, Add	1,008.02	
			For Class 56 Rating, Add	1,335.74	
40 05 19 00-2685	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,134.54	354.89
			For Class 52 Rating, Deduct	-505.65	
			For Class 54 Rating, Add	695.98	
			For Class 55 Rating, Add	1,038.00	
			For Class 56 Rating, Add	1,375.42	
40 05 19 00-2686	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,273.72	358.41
			For Class 52 Rating, Deduct	-520.37	
			For Class 54 Rating, Add	716.12	
			For Class 55 Rating, Add	1,067.97	
			For Class 56 Rating, Add	1,415.10	
40 05 19 00-2687	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,412.91	361.92
			For Class 52 Rating, Deduct	-535.10	
			For Class 54 Rating, Add	736.26	
			For Class 55 Rating, Add	1,097.95	
			For Class 56 Rating, Add	1,454.78	
40 05 19 00-2688	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,552.10	365.43
			For Class 52 Rating, Deduct	-549.82	
			For Class 54 Rating, Add	756.40	
			For Class 55 Rating, Add	1,127.93	
			For Class 56 Rating, Add	1,494.46	
40 05 19 00-2689	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,691.28	368.95
			For Class 52 Rating, Deduct	-564.55	
			For Class 54 Rating, Add	776.55	
			For Class 55 Rating, Add	1,157.91	
			For Class 56 Rating, Add	1,534.14	
40 05 19 00-2690	EA		6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,830.46	372.46
			For Class 52 Rating, Deduct	-579.27	
			For Class 54 Rating, Add	796.69	
			For Class 55 Rating, Add	1,187.89	
			For Class 56 Rating, Add	1,573.82	
40 05 19 00-2691	EA		6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,969.64	375.97
			For Class 52 Rating, Deduct	-594.00	
			For Class 54 Rating, Add	816.83	
			For Class 55 Rating, Add	1,217.87	
			For Class 56 Rating, Add	1,613.50	
40 05 19 00-2692	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	6,108.82	379.49
			For Class 52 Rating, Deduct	-608.72	
			For Class 54 Rating, Add	836.97	
			For Class 55 Rating, Add	1,247.84	
			For Class 56 Rating, Add	1,653.18	
40 05 19 00-2693	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	6,248.00	383.00
			For Class 52 Rating, Deduct	-623.45	
			For Class 54 Rating, Add	857.12	
			For Class 55 Rating, Add	1,277.82	
			For Class 56 Rating, Add	1,692.86	
40 05 19 00-2694	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	6,387.19	386.53
			For Class 52 Rating, Deduct	-638.17	
			For Class 54 Rating, Add	877.26	
			For Class 55 Rating, Add	1,307.80	
			For Class 56 Rating, Add	1,732.54	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2695	8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)		
40 05 19 00-2696	EA 8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,505.92	323.27
	For Class 52 Rating, Deduct	-111.77	
	For Class 54 Rating, Add	158.29	
	For Class 55 Rating, Add	238.35	
	For Class 56 Rating, Add	317.39	
40 05 19 00-2697	EA 8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,684.65	326.78
	For Class 52 Rating, Deduct	-130.85	
	For Class 54 Rating, Add	184.37	
	For Class 55 Rating, Add	277.15	
	For Class 56 Rating, Add	368.73	
40 05 19 00-2698	EA 8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,863.38	330.30
	For Class 52 Rating, Deduct	-149.92	
	For Class 54 Rating, Add	210.44	
	For Class 55 Rating, Add	315.94	
	For Class 56 Rating, Add	420.08	
40 05 19 00-2699	EA 8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,042.10	333.81
	For Class 52 Rating, Deduct	-169.00	
	For Class 54 Rating, Add	236.52	
	For Class 55 Rating, Add	354.74	
	For Class 56 Rating, Add	471.43	
40 05 19 00-2700	EA 8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,220.84	337.32
	For Class 52 Rating, Deduct	-188.07	
	For Class 54 Rating, Add	262.59	
	For Class 55 Rating, Add	393.54	
	For Class 56 Rating, Add	522.77	
40 05 19 00-2701	EA 8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,399.58	340.84
	For Class 52 Rating, Deduct	-207.15	
	For Class 54 Rating, Add	288.67	
	For Class 55 Rating, Add	432.34	
	For Class 56 Rating, Add	574.12	
40 05 19 00-2702	EA 8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,578.30	344.35
	For Class 52 Rating, Deduct	-226.22	
	For Class 54 Rating, Add	314.74	
	For Class 55 Rating, Add	471.13	
	For Class 56 Rating, Add	625.47	
40 05 19 00-2703	EA 8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,757.04	347.86
	For Class 52 Rating, Deduct	-245.30	
	For Class 54 Rating, Add	340.82	
	For Class 55 Rating, Add	509.93	
	For Class 56 Rating, Add	676.81	
40 05 19 00-2704	EA 8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,935.77	351.38
	For Class 52 Rating, Deduct	-264.37	
	For Class 54 Rating, Add	366.89	
	For Class 55 Rating, Add	548.73	
	For Class 56 Rating, Add	728.16	
40 05 19 00-2705	EA 8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,114.50	354.89
	For Class 52 Rating, Deduct	-283.45	
	For Class 54 Rating, Add	392.97	
	For Class 55 Rating, Add	587.53	
	For Class 56 Rating, Add	779.51	
40 05 19 00-2706	EA 8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,293.22	358.41
	For Class 52 Rating, Deduct	-302.52	
	For Class 54 Rating, Add	419.04	
	For Class 55 Rating, Add	626.32	
	For Class 56 Rating, Add	830.85	
40 05 19 00-2707	EA 8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,471.96	361.92
	For Class 52 Rating, Deduct	-321.59	
	For Class 54 Rating, Add	445.12	
	For Class 55 Rating, Add	665.12	
	For Class 56 Rating, Add	882.20	
40 05 19 00-2708	EA 8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,650.70	365.43
	For Class 52 Rating, Deduct	-340.67	
	For Class 54 Rating, Add	471.19	
	For Class 55 Rating, Add	703.92	
	For Class 56 Rating, Add	933.55	
40 05 19 00-2709	EA 8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,829.43	368.95
	For Class 52 Rating, Deduct	-359.75	
	For Class 54 Rating, Add	497.27	
	For Class 55 Rating, Add	742.72	
	For Class 56 Rating, Add	984.90	

MINOR		CSI UOM DESCRIPTION		TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-2710	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	4,008.16	372.46	
		For Class 52 Rating, Deduct	-378.82		
		For Class 54 Rating, Add	523.35		
		For Class 55 Rating, Add	781.52		
		For Class 56 Rating, Add	1,036.24		
40 05 19 00-2711	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	4,186.88	375.97	
		For Class 52 Rating, Deduct	-397.89		
		For Class 54 Rating, Add	549.42		
		For Class 55 Rating, Add	820.31		
		For Class 56 Rating, Add	1,087.59		
40 05 19 00-2712	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	4,365.62	379.49	
		For Class 52 Rating, Deduct	-416.97		
		For Class 54 Rating, Add	575.49		
		For Class 55 Rating, Add	859.11		
		For Class 56 Rating, Add	1,138.94		
40 05 19 00-2713	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	4,544.35	383.00	
		For Class 52 Rating, Deduct	-436.04		
		For Class 54 Rating, Add	601.57		
		For Class 55 Rating, Add	897.91		
		For Class 56 Rating, Add	1,190.28		
40 05 19 00-2714	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	4,723.09	386.53	
		For Class 52 Rating, Deduct	-455.12		
		For Class 54 Rating, Add	627.65		
		For Class 55 Rating, Add	936.71		
		For Class 56 Rating, Add	1,241.63		
40 05 19 00-2715	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	4,901.82	390.04	
		For Class 52 Rating, Deduct	-474.19		
		For Class 54 Rating, Add	653.72		
		For Class 55 Rating, Add	975.50		
		For Class 56 Rating, Add	1,292.98		
40 05 19 00-2716	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	5,080.54	393.55	
		For Class 52 Rating, Deduct	-493.27		
		For Class 54 Rating, Add	679.79		
		For Class 55 Rating, Add	1,014.30		
		For Class 56 Rating, Add	1,344.32		
40 05 19 00-2717	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	5,259.28	397.07	
		For Class 52 Rating, Deduct	-512.34		
		For Class 54 Rating, Add	705.87		
		For Class 55 Rating, Add	1,053.10		
		For Class 56 Rating, Add	1,395.67		
40 05 19 00-2718	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	5,438.01	400.58	
		For Class 52 Rating, Deduct	-531.42		
		For Class 54 Rating, Add	731.95		
		For Class 55 Rating, Add	1,091.90		
		For Class 56 Rating, Add	1,447.02		
40 05 19 00-2719	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	5,616.74	404.09	
		For Class 52 Rating, Deduct	-550.49		
		For Class 54 Rating, Add	758.02		
		For Class 55 Rating, Add	1,130.69		
		For Class 56 Rating, Add	1,498.36		
40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	5,795.47	407.61	
		For Class 52 Rating, Deduct	-569.57		
		For Class 54 Rating, Add	784.09		
		For Class 55 Rating, Add	1,169.49		
		For Class 56 Rating, Add	1,549.71		
40 05 19 00-2721	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	5,974.21	411.12	
		For Class 52 Rating, Deduct	-588.64		
		For Class 54 Rating, Add	810.17		
		For Class 55 Rating, Add	1,208.29		
		For Class 56 Rating, Add	1,601.06		
40 05 19 00-2722	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	6,152.94	414.64	
		For Class 52 Rating, Deduct	-607.72		
		For Class 54 Rating, Add	836.25		
		For Class 55 Rating, Add	1,247.09		
		For Class 56 Rating, Add	1,652.41		
40 05 19 00-2723	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	6,331.67	418.15	
		For Class 52 Rating, Deduct	-626.79		
		For Class 54 Rating, Add	862.32		
		For Class 55 Rating, Add	1,285.89		
		For Class 56 Rating, Add	1,703.75		
40 05 19 00-2724	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,			
		Ductile Iron Pipe	6,510.40	421.66	
		For Class 52 Rating, Deduct	-645.87		
		For Class 54 Rating, Add	888.39		
		For Class 55 Rating, Add	1,324.68		
		For Class 56 Rating, Add	1,755.10		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2725	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,689.13	425.18
		For Class 52 Rating, Deduct	-664.94	
		For Class 54 Rating, Add	914.47	
		For Class 55 Rating, Add	1,363.48	
		For Class 56 Rating, Add	1,806.45	
40 05 19 00-2726	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,867.87	428.69
		For Class 52 Rating, Deduct	-684.02	
		For Class 54 Rating, Add	940.55	
		For Class 55 Rating, Add	1,402.28	
		For Class 56 Rating, Add	1,857.79	
40 05 19 00-2727	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,046.59	432.20
		For Class 52 Rating, Deduct	-703.09	
		For Class 54 Rating, Add	966.62	
		For Class 55 Rating, Add	1,441.08	
		For Class 56 Rating, Add	1,909.14	
40 05 19 00-2728	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,225.32	435.72
		For Class 52 Rating, Deduct	-722.17	
		For Class 54 Rating, Add	992.69	
		For Class 55 Rating, Add	1,479.87	
		For Class 56 Rating, Add	1,960.49	
40 05 19 00-2729	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,404.06	439.23
		For Class 52 Rating, Deduct	-741.24	
		For Class 54 Rating, Add	1,018.77	
		For Class 55 Rating, Add	1,518.67	
		For Class 56 Rating, Add	2,011.83	
40 05 19 00-2730	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,582.79	442.75
		For Class 52 Rating, Deduct	-760.32	
		For Class 54 Rating, Add	1,044.85	
		For Class 55 Rating, Add	1,557.47	
		For Class 56 Rating, Add	2,063.18	
40 05 19 00-2731	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,761.53	446.26
		For Class 52 Rating, Deduct	-779.39	
		For Class 54 Rating, Add	1,070.92	
		For Class 55 Rating, Add	1,596.27	
		For Class 56 Rating, Add	2,114.53	
40 05 19 00-2732	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,940.25	449.77
		For Class 52 Rating, Deduct	-798.47	
		For Class 54 Rating, Add	1,096.99	
		For Class 55 Rating, Add	1,635.06	
		For Class 56 Rating, Add	2,165.87	
40 05 19 00-2733	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,118.98	453.29
		For Class 52 Rating, Deduct	-817.54	
		For Class 54 Rating, Add	1,123.07	
		For Class 55 Rating, Add	1,673.86	
		For Class 56 Rating, Add	2,217.22	
40 05 19 00-2734	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,297.71	456.80
		For Class 52 Rating, Deduct	-836.62	
		For Class 54 Rating, Add	1,149.15	
		For Class 55 Rating, Add	1,712.66	
		For Class 56 Rating, Add	2,268.57	

40 05 19 00-2735 10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2614)

40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,892.27	393.55
		For Class 52 Rating, Deduct	-142.56	
		For Class 54 Rating, Add	201.55	
		For Class 55 Rating, Add	303.32	
		For Class 56 Rating, Add	403.78	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,122.73	397.07
		For Class 52 Rating, Deduct	-167.32	
		For Class 54 Rating, Add	235.39	
		For Class 55 Rating, Add	353.65	
		For Class 56 Rating, Add	470.39	
40 05 19 00-2738	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,353.18	400.58
		For Class 52 Rating, Deduct	-192.09	
		For Class 54 Rating, Add	269.22	
		For Class 55 Rating, Add	403.98	
		For Class 56 Rating, Add	536.99	
40 05 19 00-2739	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,583.63	404.09
		For Class 52 Rating, Deduct	-216.85	
		For Class 54 Rating, Add	303.05	
		For Class 55 Rating, Add	454.31	
		For Class 56 Rating, Add	603.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2740	EA	10"	Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,814.08	407.61
			For Class 52 Rating, Deduct	-241.62	
			For Class 54 Rating, Add	336.89	
			For Class 55 Rating, Add	504.64	
			For Class 56 Rating, Add	670.20	
40 05 19 00-2741	EA	10"	Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,044.53	411.12
			For Class 52 Rating, Deduct	-266.38	
			For Class 54 Rating, Add	370.72	
			For Class 55 Rating, Add	554.97	
			For Class 56 Rating, Add	736.80	
40 05 19 00-2742	EA	10"	Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,274.98	414.64
			For Class 52 Rating, Deduct	-291.14	
			For Class 54 Rating, Add	404.55	
			For Class 55 Rating, Add	605.30	
			For Class 56 Rating, Add	803.41	
40 05 19 00-2743	EA	10"	Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,505.42	418.15
			For Class 52 Rating, Deduct	-315.91	
			For Class 54 Rating, Add	438.38	
			For Class 55 Rating, Add	655.63	
			For Class 56 Rating, Add	870.01	
40 05 19 00-2744	EA	10"	Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,735.88	421.66
			For Class 52 Rating, Deduct	-340.67	
			For Class 54 Rating, Add	472.22	
			For Class 55 Rating, Add	705.96	
			For Class 56 Rating, Add	936.61	
40 05 19 00-2745	EA	10"	Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,966.33	425.18
			For Class 52 Rating, Deduct	-365.43	
			For Class 54 Rating, Add	506.05	
			For Class 55 Rating, Add	756.30	
			For Class 56 Rating, Add	1,003.22	
40 05 19 00-2746	EA	10"	Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,196.78	428.69
			For Class 52 Rating, Deduct	-390.20	
			For Class 54 Rating, Add	539.88	
			For Class 55 Rating, Add	806.63	
			For Class 56 Rating, Add	1,069.82	
40 05 19 00-2747	EA	10"	Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,427.22	432.20
			For Class 52 Rating, Deduct	-414.96	
			For Class 54 Rating, Add	573.72	
			For Class 55 Rating, Add	856.96	
			For Class 56 Rating, Add	1,136.43	
40 05 19 00-2748	EA	10"	Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,657.67	435.72
			For Class 52 Rating, Deduct	-439.73	
			For Class 54 Rating, Add	607.55	
			For Class 55 Rating, Add	907.29	
			For Class 56 Rating, Add	1,203.03	
40 05 19 00-2749	EA	10"	Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,888.13	439.23
			For Class 52 Rating, Deduct	-464.49	
			For Class 54 Rating, Add	641.38	
			For Class 55 Rating, Add	957.62	
			For Class 56 Rating, Add	1,269.63	
40 05 19 00-2750	EA	10"	Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,118.57	442.75
			For Class 52 Rating, Deduct	-489.25	
			For Class 54 Rating, Add	675.21	
			For Class 55 Rating, Add	1,007.95	
			For Class 56 Rating, Add	1,336.24	
40 05 19 00-2751	EA	10"	Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,349.03	446.26
			For Class 52 Rating, Deduct	-514.02	
			For Class 54 Rating, Add	709.05	
			For Class 55 Rating, Add	1,058.28	
			For Class 56 Rating, Add	1,402.84	
40 05 19 00-2752	EA	10"	Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,579.48	449.77
			For Class 52 Rating, Deduct	-538.78	
			For Class 54 Rating, Add	742.88	
			For Class 55 Rating, Add	1,108.61	
			For Class 56 Rating, Add	1,469.45	
40 05 19 00-2753	EA	10"	Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,809.92	453.29
			For Class 52 Rating, Deduct	-563.54	
			For Class 54 Rating, Add	776.71	
			For Class 55 Rating, Add	1,158.94	
			For Class 56 Rating, Add	1,536.05	
40 05 19 00-2754	EA	10"	Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,040.37	456.80
			For Class 52 Rating, Deduct	-588.31	
			For Class 54 Rating, Add	810.54	
			For Class 55 Rating, Add	1,209.27	
			For Class 56 Rating, Add	1,602.65	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2755	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,270.82	460.32
		For Class 52 Rating, Deduct	-613.07	
		For Class 54 Rating, Add	844.38	
		For Class 55 Rating, Add	1,259.60	
		For Class 56 Rating, Add	1,669.25	
40 05 19 00-2756	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,501.28	463.83
		For Class 52 Rating, Deduct	-637.84	
		For Class 54 Rating, Add	878.21	
		For Class 55 Rating, Add	1,309.93	
		For Class 56 Rating, Add	1,735.86	
40 05 19 00-2757	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,731.73	467.34
		For Class 52 Rating, Deduct	-662.60	
		For Class 54 Rating, Add	912.04	
		For Class 55 Rating, Add	1,360.27	
		For Class 56 Rating, Add	1,802.47	
40 05 19 00-2758	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,962.18	470.86
		For Class 52 Rating, Deduct	-687.36	
		For Class 54 Rating, Add	945.88	
		For Class 55 Rating, Add	1,410.60	
		For Class 56 Rating, Add	1,869.07	
40 05 19 00-2759	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,192.62	474.37
		For Class 52 Rating, Deduct	-712.13	
		For Class 54 Rating, Add	979.71	
		For Class 55 Rating, Add	1,460.93	
		For Class 56 Rating, Add	1,935.67	
40 05 19 00-2760	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,423.07	477.88
		For Class 52 Rating, Deduct	-736.89	
		For Class 54 Rating, Add	1,013.54	
		For Class 55 Rating, Add	1,511.26	
		For Class 56 Rating, Add	2,002.27	
40 05 19 00-2761	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,653.52	481.40
		For Class 52 Rating, Deduct	-761.66	
		For Class 54 Rating, Add	1,047.37	
		For Class 55 Rating, Add	1,561.59	
		For Class 56 Rating, Add	2,068.88	
40 05 19 00-2762	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,883.97	484.91
		For Class 52 Rating, Deduct	-786.42	
		For Class 54 Rating, Add	1,081.21	
		For Class 55 Rating, Add	1,611.92	
		For Class 56 Rating, Add	2,135.48	
40 05 19 00-2763	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,114.43	488.43
		For Class 52 Rating, Deduct	-811.18	
		For Class 54 Rating, Add	1,115.04	
		For Class 55 Rating, Add	1,662.25	
		For Class 56 Rating, Add	2,202.09	
40 05 19 00-2764	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,344.88	491.94
		For Class 52 Rating, Deduct	-835.95	
		For Class 54 Rating, Add	1,148.87	
		For Class 55 Rating, Add	1,712.58	
		For Class 56 Rating, Add	2,268.69	
40 05 19 00-2765	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,575.32	495.45
		For Class 52 Rating, Deduct	-860.71	
		For Class 54 Rating, Add	1,182.70	
		For Class 55 Rating, Add	1,762.91	
		For Class 56 Rating, Add	2,335.29	
40 05 19 00-2766	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,805.77	498.97
		For Class 52 Rating, Deduct	-885.47	
		For Class 54 Rating, Add	1,216.54	
		For Class 55 Rating, Add	1,813.24	
		For Class 56 Rating, Add	2,401.90	
40 05 19 00-2767	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,036.22	502.48
		For Class 52 Rating, Deduct	-910.24	
		For Class 54 Rating, Add	1,250.37	
		For Class 55 Rating, Add	1,863.57	
		For Class 56 Rating, Add	2,468.50	
40 05 19 00-2768	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,266.67	505.99
		For Class 52 Rating, Deduct	-935.00	
		For Class 54 Rating, Add	1,284.20	
		For Class 55 Rating, Add	1,913.90	
		For Class 56 Rating, Add	2,535.11	
40 05 19 00-2769	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,497.12	509.51
		For Class 52 Rating, Deduct	-959.77	
		For Class 54 Rating, Add	1,318.03	
		For Class 55 Rating, Add	1,964.23	
		For Class 56 Rating, Add	2,601.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2770	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,727.57	513.02
			For Class 52 Rating, Deduct.....	-984.53	
			For Class 54 Rating, Add.....	1,351.87	
			For Class 55 Rating, Add.....	2,014.57	
			For Class 56 Rating, Add.....	2,668.31	
40 05 19 00-2771	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,958.02	516.54
			For Class 52 Rating, Deduct.....	-1,009.29	
			For Class 54 Rating, Add.....	1,385.70	
			For Class 55 Rating, Add.....	2,064.90	
			For Class 56 Rating, Add.....	2,734.92	
40 05 19 00-2772	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,188.47	520.05
			For Class 52 Rating, Deduct.....	-1,034.06	
			For Class 54 Rating, Add.....	1,419.53	
			For Class 55 Rating, Add.....	2,115.23	
			For Class 56 Rating, Add.....	2,801.52	
40 05 19 00-2773	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,418.92	523.56
			For Class 52 Rating, Deduct.....	-1,058.82	
			For Class 54 Rating, Add.....	1,453.37	
			For Class 55 Rating, Add.....	2,165.56	
			For Class 56 Rating, Add.....	2,868.12	
40 05 19 00-2774	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,649.37	527.08
			For Class 52 Rating, Deduct.....	-1,083.58	
			For Class 54 Rating, Add.....	1,487.20	
			For Class 55 Rating, Add.....	2,215.89	
			For Class 56 Rating, Add.....	2,934.73	
40 05 19 00-2775			12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe..... (40 05 19 00-2614)		
40 05 19 00-2776	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,449.01	491.94
			For Class 52 Rating, Deduct.....	-187.40	
			For Class 54 Rating, Add.....	264.49	
			For Class 55 Rating, Add.....	397.80	
			For Class 56 Rating, Add.....	529.41	
40 05 19 00-2777	EA		12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,734.22	495.45
			For Class 52 Rating, Deduct.....	-218.19	
			For Class 54 Rating, Add.....	306.54	
			For Class 55 Rating, Add.....	460.35	
			For Class 56 Rating, Add.....	612.17	
40 05 19 00-2778	EA		12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,019.43	498.97
			For Class 52 Rating, Deduct.....	-248.98	
			For Class 54 Rating, Add.....	348.59	
			For Class 55 Rating, Add.....	522.89	
			For Class 56 Rating, Add.....	694.93	
40 05 19 00-2779	EA		12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,304.64	502.48
			For Class 52 Rating, Deduct.....	-279.76	
			For Class 54 Rating, Add.....	390.63	
			For Class 55 Rating, Add.....	585.43	
			For Class 56 Rating, Add.....	777.68	
40 05 19 00-2780	EA		12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,589.85	505.99
			For Class 52 Rating, Deduct.....	-310.55	
			For Class 54 Rating, Add.....	432.68	
			For Class 55 Rating, Add.....	647.97	
			For Class 56 Rating, Add.....	860.44	
40 05 19 00-2781	EA		12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,875.06	509.51
			For Class 52 Rating, Deduct.....	-341.34	
			For Class 54 Rating, Add.....	474.73	
			For Class 55 Rating, Add.....	710.51	
			For Class 56 Rating, Add.....	943.20	
40 05 19 00-2782	EA		12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,160.27	513.02
			For Class 52 Rating, Deduct.....	-372.13	
			For Class 54 Rating, Add.....	516.77	
			For Class 55 Rating, Add.....	773.06	
			For Class 56 Rating, Add.....	1,025.96	
40 05 19 00-2783	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,445.48	516.54
			For Class 52 Rating, Deduct.....	-402.91	
			For Class 54 Rating, Add.....	558.82	
			For Class 55 Rating, Add.....	835.60	
			For Class 56 Rating, Add.....	1,108.72	
40 05 19 00-2784	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,730.69	520.05
			For Class 52 Rating, Deduct.....	-433.70	
			For Class 54 Rating, Add.....	600.87	
			For Class 55 Rating, Add.....	898.14	
			For Class 56 Rating, Add.....	1,191.47	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2785	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,015.90	523.56
		For Class 52 Rating, Deduct.....	-464.49	
		For Class 54 Rating, Add.....	642.91	
		For Class 55 Rating, Add.....	960.68	
		For Class 56 Rating, Add.....	1,274.23	
40 05 19 00-2786	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,301.12	527.08
		For Class 52 Rating, Deduct.....	-495.28	
		For Class 54 Rating, Add.....	684.96	
		For Class 55 Rating, Add.....	1,023.23	
		For Class 56 Rating, Add.....	1,356.99	
40 05 19 00-2787	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,586.32	530.59
		For Class 52 Rating, Deduct.....	-526.06	
		For Class 54 Rating, Add.....	727.01	
		For Class 55 Rating, Add.....	1,085.77	
		For Class 56 Rating, Add.....	1,439.75	
40 05 19 00-2788	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,871.53	534.10
		For Class 52 Rating, Deduct.....	-556.85	
		For Class 54 Rating, Add.....	769.05	
		For Class 55 Rating, Add.....	1,148.31	
		For Class 56 Rating, Add.....	1,522.51	
40 05 19 00-2789	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,156.74	537.62
		For Class 52 Rating, Deduct.....	-587.64	
		For Class 54 Rating, Add.....	811.10	
		For Class 55 Rating, Add.....	1,210.85	
		For Class 56 Rating, Add.....	1,605.26	
40 05 19 00-2790	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,441.95	541.13
		For Class 52 Rating, Deduct.....	-618.43	
		For Class 54 Rating, Add.....	853.15	
		For Class 55 Rating, Add.....	1,273.40	
		For Class 56 Rating, Add.....	1,688.02	
40 05 19 00-2791	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,727.17	544.65
		For Class 52 Rating, Deduct.....	-649.21	
		For Class 54 Rating, Add.....	895.20	
		For Class 55 Rating, Add.....	1,335.94	
		For Class 56 Rating, Add.....	1,770.78	
40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,012.37	548.16
		For Class 52 Rating, Deduct.....	-680.00	
		For Class 54 Rating, Add.....	937.24	
		For Class 55 Rating, Add.....	1,398.48	
		For Class 56 Rating, Add.....	1,853.54	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,297.59	551.67
		For Class 52 Rating, Deduct.....	-710.79	
		For Class 54 Rating, Add.....	979.29	
		For Class 55 Rating, Add.....	1,461.02	
		For Class 56 Rating, Add.....	1,936.30	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,582.78	555.19
		For Class 52 Rating, Deduct.....	-741.58	
		For Class 54 Rating, Add.....	1,021.33	
		For Class 55 Rating, Add.....	1,523.57	
		For Class 56 Rating, Add.....	2,019.05	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,868.00	558.70
		For Class 52 Rating, Deduct.....	-772.36	
		For Class 54 Rating, Add.....	1,063.38	
		For Class 55 Rating, Add.....	1,586.11	
		For Class 56 Rating, Add.....	2,101.81	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,153.22	562.21
		For Class 52 Rating, Deduct.....	-803.15	
		For Class 54 Rating, Add.....	1,105.43	
		For Class 55 Rating, Add.....	1,648.65	
		For Class 56 Rating, Add.....	2,184.57	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,438.42	565.73
		For Class 52 Rating, Deduct.....	-833.94	
		For Class 54 Rating, Add.....	1,147.47	
		For Class 55 Rating, Add.....	1,711.19	
		For Class 56 Rating, Add.....	2,267.33	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,723.64	569.24
		For Class 52 Rating, Deduct.....	-864.73	
		For Class 54 Rating, Add.....	1,189.52	
		For Class 55 Rating, Add.....	1,773.74	
		For Class 56 Rating, Add.....	2,350.09	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,008.84	572.76
		For Class 52 Rating, Deduct.....	-895.51	
		For Class 54 Rating, Add.....	1,231.57	
		For Class 55 Rating, Add.....	1,836.28	
		For Class 56 Rating, Add.....	2,432.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2800	EA	12"	Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,294.05	576.27
			For Class 52 Rating, Deduct	-926.30	
			For Class 54 Rating, Add	1,273.62	
			For Class 55 Rating, Add	1,898.82	
			For Class 56 Rating, Add	2,515.60	
40 05 19 00-2801	EA	12"	Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,579.26	579.78
			For Class 52 Rating, Deduct	-957.09	
			For Class 54 Rating, Add	1,315.66	
			For Class 55 Rating, Add	1,961.36	
			For Class 56 Rating, Add	2,598.36	
40 05 19 00-2802	EA	12"	Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,864.47	583.30
			For Class 52 Rating, Deduct	-987.88	
			For Class 54 Rating, Add	1,357.71	
			For Class 55 Rating, Add	2,023.90	
			For Class 56 Rating, Add	2,681.12	
40 05 19 00-2803	EA	12"	Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,149.69	586.81
			For Class 52 Rating, Deduct	-1,018.66	
			For Class 54 Rating, Add	1,399.76	
			For Class 55 Rating, Add	2,086.45	
			For Class 56 Rating, Add	2,763.88	
40 05 19 00-2804	EA	12"	Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,434.89	590.33
			For Class 52 Rating, Deduct	-1,049.45	
			For Class 54 Rating, Add	1,441.80	
			For Class 55 Rating, Add	2,148.99	
			For Class 56 Rating, Add	2,846.64	
40 05 19 00-2805	EA	12"	Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,720.10	593.84
			For Class 52 Rating, Deduct	-1,080.24	
			For Class 54 Rating, Add	1,483.85	
			For Class 55 Rating, Add	2,211.53	
			For Class 56 Rating, Add	2,929.39	
40 05 19 00-2806	EA	12"	Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,005.31	597.35
			For Class 52 Rating, Deduct	-1,111.03	
			For Class 54 Rating, Add	1,525.90	
			For Class 55 Rating, Add	2,274.08	
			For Class 56 Rating, Add	3,012.15	
40 05 19 00-2807	EA	12"	Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,290.52	600.87
			For Class 52 Rating, Deduct	-1,141.81	
			For Class 54 Rating, Add	1,567.94	
			For Class 55 Rating, Add	2,336.62	
			For Class 56 Rating, Add	3,094.91	
40 05 19 00-2808	EA	12"	Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,575.74	604.38
			For Class 52 Rating, Deduct	-1,172.60	
			For Class 54 Rating, Add	1,609.99	
			For Class 55 Rating, Add	2,399.16	
			For Class 56 Rating, Add	3,177.67	
40 05 19 00-2809	EA	12"	Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,860.95	607.89
			For Class 52 Rating, Deduct	-1,203.39	
			For Class 54 Rating, Add	1,652.04	
			For Class 55 Rating, Add	2,461.70	
			For Class 56 Rating, Add	3,260.43	
40 05 19 00-2810	EA	12"	Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,146.16	611.41
			For Class 52 Rating, Deduct	-1,234.18	
			For Class 54 Rating, Add	1,694.08	
			For Class 55 Rating, Add	2,524.24	
			For Class 56 Rating, Add	3,343.18	
40 05 19 00-2811	EA	12"	Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,431.36	614.92
			For Class 52 Rating, Deduct	-1,264.96	
			For Class 54 Rating, Add	1,736.13	
			For Class 55 Rating, Add	2,586.79	
			For Class 56 Rating, Add	3,425.94	
40 05 19 00-2812	EA	12"	Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,716.57	618.44
			For Class 52 Rating, Deduct	-1,295.75	
			For Class 54 Rating, Add	1,778.18	
			For Class 55 Rating, Add	2,649.33	
			For Class 56 Rating, Add	3,508.70	
40 05 19 00-2813	EA	12"	Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,001.78	621.95
			For Class 52 Rating, Deduct	-1,326.54	
			For Class 54 Rating, Add	1,820.22	
			For Class 55 Rating, Add	2,711.87	
			For Class 56 Rating, Add	3,591.46	
40 05 19 00-2814	EA	12"	Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,287.00	625.46
			For Class 52 Rating, Deduct	-1,357.33	
			For Class 54 Rating, Add	1,862.27	
			For Class 55 Rating, Add	2,774.41	
			For Class 56 Rating, Add	3,674.22	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2815	EA	14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)		
40 05 19 00-2816	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,407.32	590.33
		For Class 52 Rating, Deduct	-276.42	
		For Class 54 Rating, Add	387.67	
		For Class 55 Rating, Add	581.84	
		For Class 56 Rating, Add	773.50	
40 05 19 00-2817	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,753.37	593.84
		For Class 52 Rating, Deduct	-313.90	
		For Class 54 Rating, Add	438.84	
		For Class 55 Rating, Add	657.95	
		For Class 56 Rating, Add	874.21	
40 05 19 00-2818	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,099.42	597.35
		For Class 52 Rating, Deduct	-351.38	
		For Class 54 Rating, Add	490.01	
		For Class 55 Rating, Add	734.06	
		For Class 56 Rating, Add	974.92	
40 05 19 00-2819	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,445.48	600.87
		For Class 52 Rating, Deduct	-388.86	
		For Class 54 Rating, Add	541.19	
		For Class 55 Rating, Add	810.17	
		For Class 56 Rating, Add	1,075.62	
40 05 19 00-2820	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,791.54	604.38
		For Class 52 Rating, Deduct	-426.34	
		For Class 54 Rating, Add	592.36	
		For Class 55 Rating, Add	886.28	
		For Class 56 Rating, Add	1,176.33	
40 05 19 00-2821	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,137.59	607.89
		For Class 52 Rating, Deduct	-463.82	
		For Class 54 Rating, Add	643.53	
		For Class 55 Rating, Add	962.39	
		For Class 56 Rating, Add	1,277.04	
40 05 19 00-2822	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,483.66	611.41
		For Class 52 Rating, Deduct	-501.30	
		For Class 54 Rating, Add	694.71	
		For Class 55 Rating, Add	1,038.51	
		For Class 56 Rating, Add	1,377.75	
40 05 19 00-2823	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,829.70	614.92
		For Class 52 Rating, Deduct	-538.78	
		For Class 54 Rating, Add	745.88	
		For Class 55 Rating, Add	1,114.62	
		For Class 56 Rating, Add	1,478.45	
40 05 19 00-2824	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,175.76	618.44
		For Class 52 Rating, Deduct	-576.26	
		For Class 54 Rating, Add	797.06	
		For Class 55 Rating, Add	1,190.73	
		For Class 56 Rating, Add	1,579.16	
40 05 19 00-2825	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,521.81	621.95
		For Class 52 Rating, Deduct	-613.74	
		For Class 54 Rating, Add	848.23	
		For Class 55 Rating, Add	1,266.84	
		For Class 56 Rating, Add	1,679.87	
40 05 19 00-2826	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,867.87	625.46
		For Class 52 Rating, Deduct	-651.22	
		For Class 54 Rating, Add	899.40	
		For Class 55 Rating, Add	1,342.95	
		For Class 56 Rating, Add	1,780.58	
40 05 19 00-2827	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,213.93	628.98
		For Class 52 Rating, Deduct	-688.70	
		For Class 54 Rating, Add	950.58	
		For Class 55 Rating, Add	1,419.06	
		For Class 56 Rating, Add	1,881.28	
40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,559.98	632.49
		For Class 52 Rating, Deduct	-726.18	
		For Class 54 Rating, Add	1,001.75	
		For Class 55 Rating, Add	1,495.17	
		For Class 56 Rating, Add	1,981.99	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,906.03	636.00
		For Class 52 Rating, Deduct	-763.66	
		For Class 54 Rating, Add	1,052.92	
		For Class 55 Rating, Add	1,571.28	
		For Class 56 Rating, Add	2,082.70	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,252.08	639.52
		For Class 52 Rating, Deduct	-801.14	
		For Class 54 Rating, Add	1,104.10	
		For Class 55 Rating, Add	1,647.39	
		For Class 56 Rating, Add	2,183.40	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,598.14	643.03
		For Class 52 Rating, Deduct	-838.62	
		For Class 54 Rating, Add	1,155.27	
		For Class 55 Rating, Add	1,723.50	
		For Class 56 Rating, Add	2,284.11	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,944.19	646.55
		For Class 52 Rating, Deduct	-876.10	
		For Class 54 Rating, Add	1,206.44	
		For Class 55 Rating, Add	1,799.61	
		For Class 56 Rating, Add	2,384.82	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,290.26	650.06
		For Class 52 Rating, Deduct	-913.59	
		For Class 54 Rating, Add	1,257.62	
		For Class 55 Rating, Add	1,875.72	
		For Class 56 Rating, Add	2,485.53	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,636.31	653.57
		For Class 52 Rating, Deduct	-951.07	
		For Class 54 Rating, Add	1,308.79	
		For Class 55 Rating, Add	1,951.84	
		For Class 56 Rating, Add	2,586.23	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,982.36	657.09
		For Class 52 Rating, Deduct	-988.55	
		For Class 54 Rating, Add	1,359.96	
		For Class 55 Rating, Add	2,027.95	
		For Class 56 Rating, Add	2,686.94	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,328.42	660.60
		For Class 52 Rating, Deduct	-1,026.03	
		For Class 54 Rating, Add	1,411.14	
		For Class 55 Rating, Add	2,104.06	
		For Class 56 Rating, Add	2,787.65	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,674.47	664.11
		For Class 52 Rating, Deduct	-1,063.51	
		For Class 54 Rating, Add	1,462.31	
		For Class 55 Rating, Add	2,180.17	
		For Class 56 Rating, Add	2,888.36	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,020.53	667.63
		For Class 52 Rating, Deduct	-1,100.99	
		For Class 54 Rating, Add	1,513.48	
		For Class 55 Rating, Add	2,256.28	
		For Class 56 Rating, Add	2,989.06	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,366.58	671.14
		For Class 52 Rating, Deduct	-1,138.47	
		For Class 54 Rating, Add	1,564.66	
		For Class 55 Rating, Add	2,332.39	
		For Class 56 Rating, Add	3,089.77	
40 05 19 00-2840	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,712.63	674.66
		For Class 52 Rating, Deduct	-1,175.95	
		For Class 54 Rating, Add	1,615.83	
		For Class 55 Rating, Add	2,408.50	
		For Class 56 Rating, Add	3,190.48	
40 05 19 00-2841	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,058.69	678.17
		For Class 52 Rating, Deduct	-1,213.43	
		For Class 54 Rating, Add	1,667.00	
		For Class 55 Rating, Add	2,484.61	
		For Class 56 Rating, Add	3,291.18	
40 05 19 00-2842	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,404.74	681.68
		For Class 52 Rating, Deduct	-1,250.91	
		For Class 54 Rating, Add	1,718.18	
		For Class 55 Rating, Add	2,560.72	
		For Class 56 Rating, Add	3,391.89	
40 05 19 00-2843	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,750.80	685.20
		For Class 52 Rating, Deduct	-1,288.39	
		For Class 54 Rating, Add	1,769.35	
		For Class 55 Rating, Add	2,636.83	
		For Class 56 Rating, Add	3,492.60	
40 05 19 00-2844	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,096.85	688.71
		For Class 52 Rating, Deduct	-1,325.87	
		For Class 54 Rating, Add	1,820.52	
		For Class 55 Rating, Add	2,712.94	
		For Class 56 Rating, Add	3,593.30	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2845	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,442.92	692.22
		For Class 52 Rating, Deduct	-1,363.35	
		For Class 54 Rating, Add	1,871.70	
		For Class 55 Rating, Add	2,789.05	
		For Class 56 Rating, Add	3,694.01	
40 05 19 00-2846	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,788.96	695.74
		For Class 52 Rating, Deduct	-1,400.83	
		For Class 54 Rating, Add	1,922.87	
		For Class 55 Rating, Add	2,865.16	
		For Class 56 Rating, Add	3,794.72	
40 05 19 00-2847	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,135.02	699.25
		For Class 52 Rating, Deduct	-1,438.31	
		For Class 54 Rating, Add	1,974.05	
		For Class 55 Rating, Add	2,941.27	
		For Class 56 Rating, Add	3,895.43	
40 05 19 00-2848	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,481.08	702.77
		For Class 52 Rating, Deduct	-1,475.79	
		For Class 54 Rating, Add	2,025.22	
		For Class 55 Rating, Add	3,017.39	
		For Class 56 Rating, Add	3,996.14	
40 05 19 00-2849	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,827.13	706.28
		For Class 52 Rating, Deduct	-1,513.27	
		For Class 54 Rating, Add	2,076.39	
		For Class 55 Rating, Add	3,093.50	
		For Class 56 Rating, Add	4,096.84	
40 05 19 00-2850	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,173.19	709.79
		For Class 52 Rating, Deduct	-1,550.75	
		For Class 54 Rating, Add	2,127.57	
		For Class 55 Rating, Add	3,169.61	
		For Class 56 Rating, Add	4,197.55	
40 05 19 00-2851	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,519.23	713.31
		For Class 52 Rating, Deduct	-1,588.23	
		For Class 54 Rating, Add	2,178.74	
		For Class 55 Rating, Add	3,245.72	
		For Class 56 Rating, Add	4,298.26	
40 05 19 00-2852	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,865.29	716.82
		For Class 52 Rating, Deduct	-1,625.71	
		For Class 54 Rating, Add	2,229.91	
		For Class 55 Rating, Add	3,321.83	
		For Class 56 Rating, Add	4,398.96	
40 05 19 00-2853	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,211.34	720.33
		For Class 52 Rating, Deduct	-1,663.19	
		For Class 54 Rating, Add	2,281.09	
		For Class 55 Rating, Add	3,397.94	
		For Class 56 Rating, Add	4,499.67	

40 05 19 00-2854 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2614)

40 05 19 00-2855	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,988.38	674.66
		For Class 52 Rating, Deduct	-326.28	
		For Class 54 Rating, Add	457.19	
		For Class 55 Rating, Add	685.99	
		For Class 56 Rating, Add	911.82	
40 05 19 00-2856	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,389.21	678.17
		For Class 52 Rating, Deduct	-369.78	
		For Class 54 Rating, Add	516.58	
		For Class 55 Rating, Add	774.32	
		For Class 56 Rating, Add	1,028.69	
40 05 19 00-2857	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,790.02	681.68
		For Class 52 Rating, Deduct	-413.29	
		For Class 54 Rating, Add	575.97	
		For Class 55 Rating, Add	862.64	
		For Class 56 Rating, Add	1,145.55	
40 05 19 00-2858	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,190.84	685.20
		For Class 52 Rating, Deduct	-456.79	
		For Class 54 Rating, Add	635.36	
		For Class 55 Rating, Add	950.96	
		For Class 56 Rating, Add	1,262.41	
40 05 19 00-2859	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,591.65	688.71
		For Class 52 Rating, Deduct	-500.30	
		For Class 54 Rating, Add	694.74	
		For Class 55 Rating, Add	1,039.28	
		For Class 56 Rating, Add	1,379.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2860	EA		16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	5,992.47	692.22
			For Class 52 Rating, Deduct	-543.80	
			For Class 54 Rating, Add	754.13	
			For Class 55 Rating, Add	1,127.60	
			For Class 56 Rating, Add	1,496.13	
40 05 19 00-2861	EA		16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	6,393.27	695.74
			For Class 52 Rating, Deduct	-587.30	
			For Class 54 Rating, Add	813.52	
			For Class 55 Rating, Add	1,215.93	
			For Class 56 Rating, Add	1,612.99	
40 05 19 00-2862	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	6,794.09	699.25
			For Class 52 Rating, Deduct	-630.81	
			For Class 54 Rating, Add	872.91	
			For Class 55 Rating, Add	1,304.25	
			For Class 56 Rating, Add	1,729.85	
40 05 19 00-2863	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	7,194.91	702.77
			For Class 52 Rating, Deduct	-674.31	
			For Class 54 Rating, Add	932.29	
			For Class 55 Rating, Add	1,392.57	
			For Class 56 Rating, Add	1,846.72	
40 05 19 00-2864	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	7,595.72	706.28
			For Class 52 Rating, Deduct	-717.82	
			For Class 54 Rating, Add	991.68	
			For Class 55 Rating, Add	1,480.89	
			For Class 56 Rating, Add	1,963.58	
40 05 19 00-2865	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	7,996.55	709.79
			For Class 52 Rating, Deduct	-761.32	
			For Class 54 Rating, Add	1,051.07	
			For Class 55 Rating, Add	1,569.22	
			For Class 56 Rating, Add	2,080.44	
40 05 19 00-2866	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	8,397.35	713.31
			For Class 52 Rating, Deduct	-804.82	
			For Class 54 Rating, Add	1,110.46	
			For Class 55 Rating, Add	1,657.54	
			For Class 56 Rating, Add	2,197.30	
40 05 19 00-2867	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	8,798.17	716.82
			For Class 52 Rating, Deduct	-848.33	
			For Class 54 Rating, Add	1,169.85	
			For Class 55 Rating, Add	1,745.86	
			For Class 56 Rating, Add	2,314.16	
40 05 19 00-2868	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	9,198.98	720.33
			For Class 52 Rating, Deduct	-891.83	
			For Class 54 Rating, Add	1,229.23	
			For Class 55 Rating, Add	1,834.18	
			For Class 56 Rating, Add	2,431.02	
40 05 19 00-2869	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	9,599.80	723.85
			For Class 52 Rating, Deduct	-935.34	
			For Class 54 Rating, Add	1,288.62	
			For Class 55 Rating, Add	1,922.50	
			For Class 56 Rating, Add	2,547.89	
40 05 19 00-2870	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	10,000.62	727.36
			For Class 52 Rating, Deduct	-978.84	
			For Class 54 Rating, Add	1,348.01	
			For Class 55 Rating, Add	2,010.83	
			For Class 56 Rating, Add	2,664.75	
40 05 19 00-2871	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	10,401.43	730.88
			For Class 52 Rating, Deduct	-1,022.34	
			For Class 54 Rating, Add	1,407.39	
			For Class 55 Rating, Add	2,099.15	
			For Class 56 Rating, Add	2,781.61	
40 05 19 00-2872	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat,		
			Ductile Iron Pipe	10,802.24	734.39
			For Class 52 Rating, Deduct	-1,065.85	
			For Class 54 Rating, Add	1,466.78	
			For Class 55 Rating, Add	2,187.47	
			For Class 56 Rating, Add	2,898.47	
40 05 19 00-2873	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,203.06	737.90
			For Class 52 Rating, Deduct	-1,109.35	
			For Class 54 Rating, Add	1,526.17	
			For Class 55 Rating, Add	2,275.79	
			For Class 56 Rating, Add	3,015.33	
40 05 19 00-2874	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,603.88	741.42
			For Class 52 Rating, Deduct	-1,152.86	
			For Class 54 Rating, Add	1,585.56	
			For Class 55 Rating, Add	2,364.12	
			For Class 56 Rating, Add	3,132.19	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2875	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,004.69	744.93
		For Class 52 Rating, Deduct	-1,196.36	
		For Class 54 Rating, Add	1,644.95	
		For Class 55 Rating, Add	2,452.44	
		For Class 56 Rating, Add	3,249.06	
40 05 19 00-2876	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,405.51	748.45
		For Class 52 Rating, Deduct	-1,239.87	
		For Class 54 Rating, Add	1,704.33	
		For Class 55 Rating, Add	2,540.76	
		For Class 56 Rating, Add	3,365.92	
40 05 19 00-2877	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,806.33	751.96
		For Class 52 Rating, Deduct	-1,283.37	
		For Class 54 Rating, Add	1,763.72	
		For Class 55 Rating, Add	2,629.08	
		For Class 56 Rating, Add	3,482.78	
40 05 19 00-2878	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,207.13	755.47
		For Class 52 Rating, Deduct	-1,326.87	
		For Class 54 Rating, Add	1,823.11	
		For Class 55 Rating, Add	2,717.40	
		For Class 56 Rating, Add	3,599.64	
40 05 19 00-2879	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,607.95	758.99
		For Class 52 Rating, Deduct	-1,370.38	
		For Class 54 Rating, Add	1,882.50	
		For Class 55 Rating, Add	2,805.73	
		For Class 56 Rating, Add	3,716.50	
40 05 19 00-2880	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,008.76	762.50
		For Class 52 Rating, Deduct	-1,413.88	
		For Class 54 Rating, Add	1,941.88	
		For Class 55 Rating, Add	2,894.05	
		For Class 56 Rating, Add	3,833.36	
40 05 19 00-2881	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,409.59	766.01
		For Class 52 Rating, Deduct	-1,457.39	
		For Class 54 Rating, Add	2,001.27	
		For Class 55 Rating, Add	2,982.37	
		For Class 56 Rating, Add	3,950.23	
40 05 19 00-2882	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,810.40	769.53
		For Class 52 Rating, Deduct	-1,500.89	
		For Class 54 Rating, Add	2,060.66	
		For Class 55 Rating, Add	3,070.70	
		For Class 56 Rating, Add	4,067.09	
40 05 19 00-2883	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,211.22	773.04
		For Class 52 Rating, Deduct	-1,544.39	
		For Class 54 Rating, Add	2,120.05	
		For Class 55 Rating, Add	3,159.02	
		For Class 56 Rating, Add	4,183.95	
40 05 19 00-2884	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,612.03	776.56
		For Class 52 Rating, Deduct	-1,587.90	
		For Class 54 Rating, Add	2,179.43	
		For Class 55 Rating, Add	3,247.34	
		For Class 56 Rating, Add	4,300.81	
40 05 19 00-2885	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,012.84	780.07
		For Class 52 Rating, Deduct	-1,631.40	
		For Class 54 Rating, Add	2,238.82	
		For Class 55 Rating, Add	3,335.66	
		For Class 56 Rating, Add	4,417.67	
40 05 19 00-2886	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,413.66	783.58
		For Class 52 Rating, Deduct	-1,674.91	
		For Class 54 Rating, Add	2,298.21	
		For Class 55 Rating, Add	3,423.98	
		For Class 56 Rating, Add	4,534.53	
40 05 19 00-2887	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,814.47	787.10
		For Class 52 Rating, Deduct	-1,718.41	
		For Class 54 Rating, Add	2,357.60	
		For Class 55 Rating, Add	3,512.31	
		For Class 56 Rating, Add	4,651.39	
40 05 19 00-2888	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,215.29	790.61
		For Class 52 Rating, Deduct	-1,761.91	
		For Class 54 Rating, Add	2,416.98	
		For Class 55 Rating, Add	3,600.63	
		For Class 56 Rating, Add	4,768.25	
40 05 19 00-2889	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,616.09	794.12
		For Class 52 Rating, Deduct	-1,805.42	
		For Class 54 Rating, Add	2,476.37	
		For Class 55 Rating, Add	3,688.95	
		For Class 56 Rating, Add	4,885.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2890	EA		16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,016.92	797.64
			For Class 52 Rating, Deduct.....	-1,848.92	
			For Class 54 Rating, Add.....	2,535.76	
			For Class 55 Rating, Add.....	3,777.27	
			For Class 56 Rating, Add.....	5,001.98	
40 05 19 00-2891	EA		16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,417.74	801.15
			For Class 52 Rating, Deduct.....	-1,892.43	
			For Class 54 Rating, Add.....	2,595.15	
			For Class 55 Rating, Add.....	3,865.60	
			For Class 56 Rating, Add.....	5,118.84	
40 05 19 00-2892	EA		16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,818.55	804.67
			For Class 52 Rating, Deduct.....	-1,935.93	
			For Class 54 Rating, Add.....	2,654.53	
			For Class 55 Rating, Add.....	3,953.92	
			For Class 56 Rating, Add.....	5,235.70	
40 05 19 00-2893 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe					
			(40 05 19 00-2614)		
40 05 19 00-2894	EA		18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,665.90	760.40
			For Class 52 Rating, Deduct.....	-386.52	
			For Class 54 Rating, Add.....	540.89	
			For Class 55 Rating, Add.....	811.23	
			For Class 56 Rating, Add.....	1,078.04	
40 05 19 00-2895	EA		18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,127.56	763.91
			For Class 52 Rating, Deduct.....	-436.71	
			For Class 54 Rating, Add.....	609.41	
			For Class 55 Rating, Add.....	913.12	
			For Class 56 Rating, Add.....	1,212.85	
40 05 19 00-2896	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,589.22	767.43
			For Class 52 Rating, Deduct.....	-486.91	
			For Class 54 Rating, Add.....	677.92	
			For Class 55 Rating, Add.....	1,015.01	
			For Class 56 Rating, Add.....	1,347.67	
40 05 19 00-2897	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,050.88	770.94
			For Class 52 Rating, Deduct.....	-537.11	
			For Class 54 Rating, Add.....	746.44	
			For Class 55 Rating, Add.....	1,116.90	
			For Class 56 Rating, Add.....	1,482.48	
40 05 19 00-2898	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,512.53	774.46
			For Class 52 Rating, Deduct.....	-587.30	
			For Class 54 Rating, Add.....	814.95	
			For Class 55 Rating, Add.....	1,218.79	
			For Class 56 Rating, Add.....	1,617.29	
40 05 19 00-2899	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,974.20	777.97
			For Class 52 Rating, Deduct.....	-637.50	
			For Class 54 Rating, Add.....	883.47	
			For Class 55 Rating, Add.....	1,320.68	
			For Class 56 Rating, Add.....	1,752.10	
40 05 19 00-2900	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,435.85	781.48
			For Class 52 Rating, Deduct.....	-687.70	
			For Class 54 Rating, Add.....	951.98	
			For Class 55 Rating, Add.....	1,422.57	
			For Class 56 Rating, Add.....	1,886.91	
40 05 19 00-2901	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,897.52	785.00
			For Class 52 Rating, Deduct.....	-737.90	
			For Class 54 Rating, Add.....	1,020.49	
			For Class 55 Rating, Add.....	1,524.46	
			For Class 56 Rating, Add.....	2,021.72	
40 05 19 00-2902	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,359.19	788.51
			For Class 52 Rating, Deduct.....	-788.09	
			For Class 54 Rating, Add.....	1,089.01	
			For Class 55 Rating, Add.....	1,626.35	
			For Class 56 Rating, Add.....	2,156.53	
40 05 19 00-2903	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,820.83	792.02
			For Class 52 Rating, Deduct.....	-838.29	
			For Class 54 Rating, Add.....	1,157.52	
			For Class 55 Rating, Add.....	1,728.24	
			For Class 56 Rating, Add.....	2,291.34	
40 05 19 00-2904	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,282.50	795.54
			For Class 52 Rating, Deduct.....	-888.49	
			For Class 54 Rating, Add.....	1,226.04	
			For Class 55 Rating, Add.....	1,830.13	
			For Class 56 Rating, Add.....	2,426.15	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2905	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,744.15	799.05
		For Class 52 Rating, Deduct.....	-938.68	
		For Class 54 Rating, Add.....	1,294.55	
		For Class 55 Rating, Add.....	1,932.02	
		For Class 56 Rating, Add.....	2,560.96	
40 05 19 00-2906	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,205.82	802.57
		For Class 52 Rating, Deduct.....	-988.88	
		For Class 54 Rating, Add.....	1,363.07	
		For Class 55 Rating, Add.....	2,033.91	
		For Class 56 Rating, Add.....	2,695.77	
40 05 19 00-2907	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,667.48	806.08
		For Class 52 Rating, Deduct.....	-1,039.08	
		For Class 54 Rating, Add.....	1,431.58	
		For Class 55 Rating, Add.....	2,135.81	
		For Class 56 Rating, Add.....	2,830.58	
40 05 19 00-2908	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,129.14	809.59
		For Class 52 Rating, Deduct.....	-1,089.27	
		For Class 54 Rating, Add.....	1,500.09	
		For Class 55 Rating, Add.....	2,237.69	
		For Class 56 Rating, Add.....	2,965.39	
40 05 19 00-2909	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,590.80	813.11
		For Class 52 Rating, Deduct.....	-1,139.47	
		For Class 54 Rating, Add.....	1,568.61	
		For Class 55 Rating, Add.....	2,339.59	
		For Class 56 Rating, Add.....	3,100.21	
40 05 19 00-2910	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,052.45	816.62
		For Class 52 Rating, Deduct.....	-1,189.67	
		For Class 54 Rating, Add.....	1,637.12	
		For Class 55 Rating, Add.....	2,441.48	
		For Class 56 Rating, Add.....	3,235.01	
40 05 19 00-2911	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,514.12	820.13
		For Class 52 Rating, Deduct.....	-1,239.87	
		For Class 54 Rating, Add.....	1,705.64	
		For Class 55 Rating, Add.....	2,543.37	
		For Class 56 Rating, Add.....	3,369.83	
40 05 19 00-2912	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,975.78	823.65
		For Class 52 Rating, Deduct.....	-1,290.06	
		For Class 54 Rating, Add.....	1,774.15	
		For Class 55 Rating, Add.....	2,645.26	
		For Class 56 Rating, Add.....	3,504.64	
40 05 19 00-2913	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,437.44	827.16
		For Class 52 Rating, Deduct.....	-1,340.26	
		For Class 54 Rating, Add.....	1,842.66	
		For Class 55 Rating, Add.....	2,747.15	
		For Class 56 Rating, Add.....	3,639.45	
40 05 19 00-2914	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,899.09	830.68
		For Class 52 Rating, Deduct.....	-1,390.46	
		For Class 54 Rating, Add.....	1,911.18	
		For Class 55 Rating, Add.....	2,849.04	
		For Class 56 Rating, Add.....	3,774.26	
40 05 19 00-2915	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,360.75	834.19
		For Class 52 Rating, Deduct.....	-1,440.65	
		For Class 54 Rating, Add.....	1,979.69	
		For Class 55 Rating, Add.....	2,950.93	
		For Class 56 Rating, Add.....	3,909.07	
40 05 19 00-2916	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,822.42	837.70
		For Class 52 Rating, Deduct.....	-1,490.85	
		For Class 54 Rating, Add.....	2,048.21	
		For Class 55 Rating, Add.....	3,052.82	
		For Class 56 Rating, Add.....	4,043.88	
40 05 19 00-2917	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,284.08	841.22
		For Class 52 Rating, Deduct.....	-1,541.05	
		For Class 54 Rating, Add.....	2,116.72	
		For Class 55 Rating, Add.....	3,154.71	
		For Class 56 Rating, Add.....	4,178.69	
40 05 19 00-2918	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,745.74	844.73
		For Class 52 Rating, Deduct.....	-1,591.24	
		For Class 54 Rating, Add.....	2,185.24	
		For Class 55 Rating, Add.....	3,256.60	
		For Class 56 Rating, Add.....	4,313.50	
40 05 19 00-2919	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,207.40	848.25
		For Class 52 Rating, Deduct.....	-1,641.44	
		For Class 54 Rating, Add.....	2,253.75	
		For Class 55 Rating, Add.....	3,358.49	
		For Class 56 Rating, Add.....	4,448.31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2920	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,669.05	851.76
		For Class 52 Rating, Deduct.....	-1,691.64	
		For Class 54 Rating, Add.....	2,322.26	
		For Class 55 Rating, Add.....	3,460.38	
		For Class 56 Rating, Add.....	4,583.12	
40 05 19 00-2921	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,130.71	855.27
		For Class 52 Rating, Deduct.....	-1,741.83	
		For Class 54 Rating, Add.....	2,390.78	
		For Class 55 Rating, Add.....	3,562.27	
		For Class 56 Rating, Add.....	4,717.93	
40 05 19 00-2922	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,592.38	858.79
		For Class 52 Rating, Deduct.....	-1,792.03	
		For Class 54 Rating, Add.....	2,459.29	
		For Class 55 Rating, Add.....	3,664.17	
		For Class 56 Rating, Add.....	4,852.75	
40 05 19 00-2923	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,054.04	862.30
		For Class 52 Rating, Deduct.....	-1,842.23	
		For Class 54 Rating, Add.....	2,527.81	
		For Class 55 Rating, Add.....	3,766.06	
		For Class 56 Rating, Add.....	4,987.56	
40 05 19 00-2924	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,515.70	865.81
		For Class 52 Rating, Deduct.....	-1,892.43	
		For Class 54 Rating, Add.....	2,596.32	
		For Class 55 Rating, Add.....	3,867.95	
		For Class 56 Rating, Add.....	5,122.37	
40 05 19 00-2925	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,977.36	869.33
		For Class 52 Rating, Deduct.....	-1,942.62	
		For Class 54 Rating, Add.....	2,664.84	
		For Class 55 Rating, Add.....	3,969.84	
		For Class 56 Rating, Add.....	5,257.18	
40 05 19 00-2926	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,439.01	872.84
		For Class 52 Rating, Deduct.....	-1,992.82	
		For Class 54 Rating, Add.....	2,733.35	
		For Class 55 Rating, Add.....	4,071.73	
		For Class 56 Rating, Add.....	5,391.99	
40 05 19 00-2927	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,900.68	876.36
		For Class 52 Rating, Deduct.....	-2,043.02	
		For Class 54 Rating, Add.....	2,801.87	
		For Class 55 Rating, Add.....	4,173.62	
		For Class 56 Rating, Add.....	5,526.80	
40 05 19 00-2928	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,362.33	879.87
		For Class 52 Rating, Deduct.....	-2,093.21	
		For Class 54 Rating, Add.....	2,870.38	
		For Class 55 Rating, Add.....	4,275.51	
		For Class 56 Rating, Add.....	5,661.61	
40 05 19 00-2929	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,824.00	883.38
		For Class 52 Rating, Deduct.....	-2,143.41	
		For Class 54 Rating, Add.....	2,938.89	
		For Class 55 Rating, Add.....	4,377.40	
		For Class 56 Rating, Add.....	5,796.42	
40 05 19 00-2930	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,285.66	886.90
		For Class 52 Rating, Deduct.....	-2,193.61	
		For Class 54 Rating, Add.....	3,007.41	
		For Class 55 Rating, Add.....	4,479.29	
		For Class 56 Rating, Add.....	5,931.23	
40 05 19 00-2931	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,747.31	890.41
		For Class 52 Rating, Deduct.....	-2,243.80	
		For Class 54 Rating, Add.....	3,075.92	
		For Class 55 Rating, Add.....	4,581.18	
		For Class 56 Rating, Add.....	6,066.04	
40 05 19 00-2932		20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)		
40 05 19 00-2933	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,406.83	867.91
		For Class 52 Rating, Deduct.....	-450.10	
		For Class 54 Rating, Add.....	629.55	
		For Class 55 Rating, Add.....	944.03	
		For Class 56 Rating, Add.....	1,254.42	
40 05 19 00-2934	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,932.39	871.43
		For Class 52 Rating, Deduct.....	-507.32	
		For Class 54 Rating, Add.....	707.65	
		For Class 55 Rating, Add.....	1,060.17	
		For Class 56 Rating, Add.....	1,408.08	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2935	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,457.93	874.94
		For Class 52 Rating, Deduct	-564.55	
		For Class 54 Rating, Add	785.75	
		For Class 55 Rating, Add	1,176.31	
		For Class 56 Rating, Add	1,561.74	
40 05 19 00-2936	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,983.47	878.45
		For Class 52 Rating, Deduct	-621.77	
		For Class 54 Rating, Add	863.84	
		For Class 55 Rating, Add	1,292.45	
		For Class 56 Rating, Add	1,715.40	
40 05 19 00-2937	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,509.02	881.97
		For Class 52 Rating, Deduct	-679.00	
		For Class 54 Rating, Add	941.94	
		For Class 55 Rating, Add	1,408.58	
		For Class 56 Rating, Add	1,869.05	
40 05 19 00-2938	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,034.57	885.48
		For Class 52 Rating, Deduct	-736.22	
		For Class 54 Rating, Add	1,020.04	
		For Class 55 Rating, Add	1,524.72	
		For Class 56 Rating, Add	2,022.71	
40 05 19 00-2939	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,560.12	889.00
		For Class 52 Rating, Deduct	-793.45	
		For Class 54 Rating, Add	1,098.14	
		For Class 55 Rating, Add	1,640.86	
		For Class 56 Rating, Add	2,176.37	
40 05 19 00-2940	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,085.66	892.51
		For Class 52 Rating, Deduct	-850.67	
		For Class 54 Rating, Add	1,176.23	
		For Class 55 Rating, Add	1,757.00	
		For Class 56 Rating, Add	2,330.03	
40 05 19 00-2941	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,611.21	896.02
		For Class 52 Rating, Deduct	-907.90	
		For Class 54 Rating, Add	1,254.33	
		For Class 55 Rating, Add	1,873.14	
		For Class 56 Rating, Add	2,483.69	
40 05 19 00-2942	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,136.76	899.54
		For Class 52 Rating, Deduct	-965.12	
		For Class 54 Rating, Add	1,332.43	
		For Class 55 Rating, Add	1,989.27	
		For Class 56 Rating, Add	2,637.34	
40 05 19 00-2943	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,662.30	903.05
		For Class 52 Rating, Deduct	-1,022.34	
		For Class 54 Rating, Add	1,410.53	
		For Class 55 Rating, Add	2,105.41	
		For Class 56 Rating, Add	2,791.00	
40 05 19 00-2944	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,187.86	906.57
		For Class 52 Rating, Deduct	-1,079.57	
		For Class 54 Rating, Add	1,488.62	
		For Class 55 Rating, Add	2,221.55	
		For Class 56 Rating, Add	2,944.66	
40 05 19 00-2945	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,713.40	910.08
		For Class 52 Rating, Deduct	-1,136.79	
		For Class 54 Rating, Add	1,566.72	
		For Class 55 Rating, Add	2,337.69	
		For Class 56 Rating, Add	3,098.32	
40 05 19 00-2946	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,238.95	913.59
		For Class 52 Rating, Deduct	-1,194.02	
		For Class 54 Rating, Add	1,644.82	
		For Class 55 Rating, Add	2,453.82	
		For Class 56 Rating, Add	3,251.97	
40 05 19 00-2947	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,764.49	917.11
		For Class 52 Rating, Deduct	-1,251.24	
		For Class 54 Rating, Add	1,722.92	
		For Class 55 Rating, Add	2,569.96	
		For Class 56 Rating, Add	3,405.63	
40 05 19 00-2948	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,290.04	920.62
		For Class 52 Rating, Deduct	-1,308.47	
		For Class 54 Rating, Add	1,801.01	
		For Class 55 Rating, Add	2,686.10	
		For Class 56 Rating, Add	3,559.29	
40 05 19 00-2949	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,815.59	924.13
		For Class 52 Rating, Deduct	-1,365.69	
		For Class 54 Rating, Add	1,879.11	
		For Class 55 Rating, Add	2,802.23	
		For Class 56 Rating, Add	3,712.94	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2950	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,341.13	927.65
		For Class 52 Rating, Deduct	-1,422.92	
		For Class 54 Rating, Add	1,957.21	
		For Class 55 Rating, Add	2,918.37	
		For Class 56 Rating, Add	3,866.60	
40 05 19 00-2951	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,866.69	931.16
		For Class 52 Rating, Deduct	-1,480.14	
		For Class 54 Rating, Add	2,035.30	
		For Class 55 Rating, Add	3,034.51	
		For Class 56 Rating, Add	4,020.26	
40 05 19 00-2952	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,392.22	934.68
		For Class 52 Rating, Deduct	-1,537.37	
		For Class 54 Rating, Add	2,113.40	
		For Class 55 Rating, Add	3,150.65	
		For Class 56 Rating, Add	4,173.92	
40 05 19 00-2953	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,917.77	938.19
		For Class 52 Rating, Deduct	-1,594.59	
		For Class 54 Rating, Add	2,191.50	
		For Class 55 Rating, Add	3,266.78	
		For Class 56 Rating, Add	4,327.57	
40 05 19 00-2954	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,443.32	941.70
		For Class 52 Rating, Deduct	-1,651.82	
		For Class 54 Rating, Add	2,269.60	
		For Class 55 Rating, Add	3,382.92	
		For Class 56 Rating, Add	4,481.23	
40 05 19 00-2955	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,968.87	945.22
		For Class 52 Rating, Deduct	-1,709.04	
		For Class 54 Rating, Add	2,347.69	
		For Class 55 Rating, Add	3,499.06	
		For Class 56 Rating, Add	4,634.89	
40 05 19 00-2956	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,494.42	948.73
		For Class 52 Rating, Deduct	-1,766.26	
		For Class 54 Rating, Add	2,425.79	
		For Class 55 Rating, Add	3,615.20	
		For Class 56 Rating, Add	4,788.55	
40 05 19 00-2957	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,019.97	952.24
		For Class 52 Rating, Deduct	-1,823.49	
		For Class 54 Rating, Add	2,503.89	
		For Class 55 Rating, Add	3,731.34	
		For Class 56 Rating, Add	4,942.21	
40 05 19 00-2958	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,545.51	955.76
		For Class 52 Rating, Deduct	-1,880.71	
		For Class 54 Rating, Add	2,581.99	
		For Class 55 Rating, Add	3,847.47	
		For Class 56 Rating, Add	5,095.86	
40 05 19 00-2959	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,071.05	959.27
		For Class 52 Rating, Deduct	-1,937.94	
		For Class 54 Rating, Add	2,660.08	
		For Class 55 Rating, Add	3,963.61	
		For Class 56 Rating, Add	5,249.52	
40 05 19 00-2960	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,596.60	962.79
		For Class 52 Rating, Deduct	-1,995.16	
		For Class 54 Rating, Add	2,738.18	
		For Class 55 Rating, Add	4,079.75	
		For Class 56 Rating, Add	5,403.18	
40 05 19 00-2961	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,122.16	966.30
		For Class 52 Rating, Deduct	-2,052.39	
		For Class 54 Rating, Add	2,816.28	
		For Class 55 Rating, Add	4,195.89	
		For Class 56 Rating, Add	5,556.84	
40 05 19 00-2962	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,647.70	969.81
		For Class 52 Rating, Deduct	-2,109.61	
		For Class 54 Rating, Add	2,894.38	
		For Class 55 Rating, Add	4,312.02	
		For Class 56 Rating, Add	5,710.49	
40 05 19 00-2963	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,173.25	973.33
		For Class 52 Rating, Deduct	-2,166.84	
		For Class 54 Rating, Add	2,972.47	
		For Class 55 Rating, Add	4,428.16	
		For Class 56 Rating, Add	5,864.15	
40 05 19 00-2964	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,698.79	976.84
		For Class 52 Rating, Deduct	-2,224.06	
		For Class 54 Rating, Add	3,050.57	
		For Class 55 Rating, Add	4,544.30	
		For Class 56 Rating, Add	6,017.81	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2965	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,224.34	980.35
		For Class 52 Rating, Deduct	-2,281.28	
		For Class 54 Rating, Add	3,128.67	
		For Class 55 Rating, Add	4,660.44	
		For Class 56 Rating, Add	6,171.46	
40 05 19 00-2966	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,749.88	983.87
		For Class 52 Rating, Deduct	-2,338.51	
		For Class 54 Rating, Add	3,206.76	
		For Class 55 Rating, Add	4,776.57	
		For Class 56 Rating, Add	6,325.12	
40 05 19 00-2967	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,275.44	987.38
		For Class 52 Rating, Deduct	-2,395.73	
		For Class 54 Rating, Add	3,284.86	
		For Class 55 Rating, Add	4,892.71	
		For Class 56 Rating, Add	6,478.78	
40 05 19 00-2968	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,800.99	990.90
		For Class 52 Rating, Deduct	-2,452.96	
		For Class 54 Rating, Add	3,362.96	
		For Class 55 Rating, Add	5,008.85	
		For Class 56 Rating, Add	6,632.44	
40 05 19 00-2969	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,326.53	994.41
		For Class 52 Rating, Deduct	-2,510.18	
		For Class 54 Rating, Add	3,441.06	
		For Class 55 Rating, Add	5,124.98	
		For Class 56 Rating, Add	6,786.09	
40 05 19 00-2970	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,852.08	997.92
		For Class 52 Rating, Deduct	-2,567.41	
		For Class 54 Rating, Add	3,519.15	
		For Class 55 Rating, Add	5,241.12	
		For Class 56 Rating, Add	6,939.75	

40 05 19 00-2971 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2614)

40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,720.32	1,026.03
		For Class 52 Rating, Deduct	-568.23	
		For Class 54 Rating, Add	793.51	
		For Class 55 Rating, Add	1,189.27	
		For Class 56 Rating, Add	1,579.85	
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,370.61	1,029.55
		For Class 52 Rating, Deduct	-639.17	
		For Class 54 Rating, Add	890.32	
		For Class 55 Rating, Add	1,333.22	
		For Class 56 Rating, Add	1,770.31	
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,020.88	1,033.06
		For Class 52 Rating, Deduct	-710.12	
		For Class 54 Rating, Add	987.13	
		For Class 55 Rating, Add	1,477.17	
		For Class 56 Rating, Add	1,960.76	
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,671.16	1,036.58
		For Class 52 Rating, Deduct	-781.06	
		For Class 54 Rating, Add	1,083.94	
		For Class 55 Rating, Add	1,621.13	
		For Class 56 Rating, Add	2,151.21	
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,321.44	1,040.09
		For Class 52 Rating, Deduct	-852.01	
		For Class 54 Rating, Add	1,180.74	
		For Class 55 Rating, Add	1,765.08	
		For Class 56 Rating, Add	2,341.67	
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,971.72	1,043.60
		For Class 52 Rating, Deduct	-922.96	
		For Class 54 Rating, Add	1,277.55	
		For Class 55 Rating, Add	1,909.03	
		For Class 56 Rating, Add	2,532.12	
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,622.00	1,047.12
		For Class 52 Rating, Deduct	-993.90	
		For Class 54 Rating, Add	1,374.36	
		For Class 55 Rating, Add	2,052.98	
		For Class 56 Rating, Add	2,722.57	
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,272.28	1,050.63
		For Class 52 Rating, Deduct	-1,064.85	
		For Class 54 Rating, Add	1,471.16	
		For Class 55 Rating, Add	2,196.94	
		For Class 56 Rating, Add	2,913.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2980	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,922.56	1,054.14
			For Class 52 Rating, Deduct	-1,135.79	
			For Class 54 Rating, Add	1,567.97	
			For Class 55 Rating, Add	2,340.89	
			For Class 56 Rating, Add	3,103.48	
40 05 19 00-2981	EA		24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,572.83	1,057.66
			For Class 52 Rating, Deduct	-1,206.74	
			For Class 54 Rating, Add	1,664.78	
			For Class 55 Rating, Add	2,484.84	
			For Class 56 Rating, Add	3,293.93	
40 05 19 00-2982	EA		24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,223.11	1,061.17
			For Class 52 Rating, Deduct	-1,277.68	
			For Class 54 Rating, Add	1,761.58	
			For Class 55 Rating, Add	2,628.79	
			For Class 56 Rating, Add	3,484.39	
40 05 19 00-2983	EA		24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,873.40	1,064.69
			For Class 52 Rating, Deduct	-1,348.63	
			For Class 54 Rating, Add	1,858.39	
			For Class 55 Rating, Add	2,772.75	
			For Class 56 Rating, Add	3,674.84	
40 05 19 00-2984	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,523.67	1,068.20
			For Class 52 Rating, Deduct	-1,419.57	
			For Class 54 Rating, Add	1,955.20	
			For Class 55 Rating, Add	2,916.70	
			For Class 56 Rating, Add	3,865.29	
40 05 19 00-2985	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,173.96	1,071.71
			For Class 52 Rating, Deduct	-1,490.52	
			For Class 54 Rating, Add	2,052.01	
			For Class 55 Rating, Add	3,060.65	
			For Class 56 Rating, Add	4,055.75	
40 05 19 00-2986	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,824.22	1,075.23
			For Class 52 Rating, Deduct	-1,561.46	
			For Class 54 Rating, Add	2,148.81	
			For Class 55 Rating, Add	3,204.60	
			For Class 56 Rating, Add	4,246.20	
40 05 19 00-2987	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,474.51	1,078.74
			For Class 52 Rating, Deduct	-1,632.41	
			For Class 54 Rating, Add	2,245.62	
			For Class 55 Rating, Add	3,348.56	
			For Class 56 Rating, Add	4,436.66	
40 05 19 00-2988	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,124.78	1,082.25
			For Class 52 Rating, Deduct	-1,703.35	
			For Class 54 Rating, Add	2,342.43	
			For Class 55 Rating, Add	3,492.51	
			For Class 56 Rating, Add	4,627.11	
40 05 19 00-2989	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,775.07	1,085.77
			For Class 52 Rating, Deduct	-1,774.30	
			For Class 54 Rating, Add	2,439.24	
			For Class 55 Rating, Add	3,636.46	
			For Class 56 Rating, Add	4,817.56	
40 05 19 00-2990	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,425.35	1,089.28
			For Class 52 Rating, Deduct	-1,845.24	
			For Class 54 Rating, Add	2,536.04	
			For Class 55 Rating, Add	3,780.42	
			For Class 56 Rating, Add	5,008.01	
40 05 19 00-2991	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,075.63	1,092.80
			For Class 52 Rating, Deduct	-1,916.19	
			For Class 54 Rating, Add	2,632.85	
			For Class 55 Rating, Add	3,924.37	
			For Class 56 Rating, Add	5,198.47	
40 05 19 00-2992	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,725.90	1,096.31
			For Class 52 Rating, Deduct	-1,987.13	
			For Class 54 Rating, Add	2,729.66	
			For Class 55 Rating, Add	4,068.32	
			For Class 56 Rating, Add	5,388.92	
40 05 19 00-2993	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,376.18	1,099.82
			For Class 52 Rating, Deduct	-2,058.08	
			For Class 54 Rating, Add	2,826.46	
			For Class 55 Rating, Add	4,212.27	
			For Class 56 Rating, Add	5,579.38	
40 05 19 00-2994	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,026.46	1,103.34
			For Class 52 Rating, Deduct	-2,129.02	
			For Class 54 Rating, Add	2,923.27	
			For Class 55 Rating, Add	4,356.23	
			For Class 56 Rating, Add	5,769.83	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-2995	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	21,676.74		1,106.85
		For Class 52 Rating, Deduct	-2,199.97		
		For Class 54 Rating, Add	3,020.08		
		For Class 55 Rating, Add	4,500.18		
		For Class 56 Rating, Add	5,960.28		
40 05 19 00-2996	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	22,327.02		1,110.36
		For Class 52 Rating, Deduct	-2,270.91		
		For Class 54 Rating, Add	3,116.88		
		For Class 55 Rating, Add	4,644.13		
		For Class 56 Rating, Add	6,150.73		
40 05 19 00-2997	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	22,977.31		1,113.88
		For Class 52 Rating, Deduct	-2,341.86		
		For Class 54 Rating, Add	3,213.69		
		For Class 55 Rating, Add	4,788.09		
		For Class 56 Rating, Add	6,341.19		
40 05 19 00-2998	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	23,627.57		1,117.39
		For Class 52 Rating, Deduct	-2,412.80		
		For Class 54 Rating, Add	3,310.50		
		For Class 55 Rating, Add	4,932.04		
		For Class 56 Rating, Add	6,531.64		
40 05 19 00-2999	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	24,277.86		1,120.91
		For Class 52 Rating, Deduct	-2,483.75		
		For Class 54 Rating, Add	3,407.31		
		For Class 55 Rating, Add	5,075.99		
		For Class 56 Rating, Add	6,722.10		
40 05 19 00-3000	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	24,928.13		1,124.42
		For Class 52 Rating, Deduct	-2,554.69		
		For Class 54 Rating, Add	3,504.11		
		For Class 55 Rating, Add	5,219.94		
		For Class 56 Rating, Add	6,912.55		
40 05 19 00-3001	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	25,668.93		1,187.68
		For Class 52 Rating, Deduct	-2,625.64		
		For Class 54 Rating, Add	3,602.01		
		For Class 55 Rating, Add	5,366.07		
		For Class 56 Rating, Add	7,106.26		
40 05 19 00-3002	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	26,319.20		1,191.19
		For Class 52 Rating, Deduct	-2,696.58		
		For Class 54 Rating, Add	3,698.81		
		For Class 55 Rating, Add	5,510.02		
		For Class 56 Rating, Add	7,296.71		
40 05 19 00-3003	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	26,969.48		1,194.71
		For Class 52 Rating, Deduct	-2,767.53		
		For Class 54 Rating, Add	3,795.62		
		For Class 55 Rating, Add	5,653.97		
		For Class 56 Rating, Add	7,487.17		
40 05 19 00-3004	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	27,619.75		1,198.22
		For Class 52 Rating, Deduct	-2,838.47		
		For Class 54 Rating, Add	3,892.43		
		For Class 55 Rating, Add	5,797.93		
		For Class 56 Rating, Add	7,677.62		
40 05 19 00-3005	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	28,270.03		1,201.73
		For Class 52 Rating, Deduct	-2,909.42		
		For Class 54 Rating, Add	3,989.23		
		For Class 55 Rating, Add	5,941.88		
		For Class 56 Rating, Add	7,868.07		
40 05 19 00-3006	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	28,917.27		1,205.25
		For Class 52 Rating, Deduct	-2,980.03		
		For Class 54 Rating, Add	4,085.59		
		For Class 55 Rating, Add	6,085.15		
		For Class 56 Rating, Add	8,057.63		
40 05 19 00-3007	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	29,570.59		1,208.76
		For Class 52 Rating, Deduct	-3,051.31		
		For Class 54 Rating, Add	4,182.85		
		For Class 55 Rating, Add	6,229.78		
		For Class 56 Rating, Add	8,248.98		
40 05 19 00-3008	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	30,220.88		1,212.27
		For Class 52 Rating, Deduct	-3,122.25		
		For Class 54 Rating, Add	4,279.66		
		For Class 55 Rating, Add	6,373.74		
		For Class 56 Rating, Add	8,439.43		
40 05 19 00-3009	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	30,871.15		1,215.79
		For Class 52 Rating, Deduct	-3,193.20		
		For Class 54 Rating, Add	4,376.46		
		For Class 55 Rating, Add	6,517.69		
		For Class 56 Rating, Add	8,629.89		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3010 30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe					
40 05 19 00-3011	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,328.43	1,447.70
			For Class 52 Rating, Deduct	-894.84	
			For Class 54 Rating, Add	1,246.56	
			For Class 55 Rating, Add	1,866.74	
			For Class 56 Rating, Add	2,478.78	
40 05 19 00-3012	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,258.60	1,451.21
			For Class 52 Rating, Deduct	-996.58	
			For Class 54 Rating, Add	1,385.35	
			For Class 55 Rating, Add	2,073.10	
			For Class 56 Rating, Add	2,751.80	
40 05 19 00-3013	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,188.76	1,454.72
			For Class 52 Rating, Deduct	-1,098.31	
			For Class 54 Rating, Add	1,524.14	
			For Class 55 Rating, Add	2,279.47	
			For Class 56 Rating, Add	3,024.81	
40 05 19 00-3014	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,118.92	1,458.24
			For Class 52 Rating, Deduct	-1,200.04	
			For Class 54 Rating, Add	1,662.93	
			For Class 55 Rating, Add	2,485.84	
			For Class 56 Rating, Add	3,297.83	
40 05 19 00-3015	EA		30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,049.08	1,461.75
			For Class 52 Rating, Deduct	-1,301.77	
			For Class 54 Rating, Add	1,801.72	
			For Class 55 Rating, Add	2,692.21	
			For Class 56 Rating, Add	3,570.85	
40 05 19 00-3016	EA		30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,979.25	1,465.27
			For Class 52 Rating, Deduct	-1,403.51	
			For Class 54 Rating, Add	1,940.51	
			For Class 55 Rating, Add	2,898.57	
			For Class 56 Rating, Add	3,843.87	
40 05 19 00-3017	EA		30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,909.42	1,468.78
			For Class 52 Rating, Deduct	-1,505.24	
			For Class 54 Rating, Add	2,079.31	
			For Class 55 Rating, Add	3,104.94	
			For Class 56 Rating, Add	4,116.90	
40 05 19 00-3018	EA		30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,839.59	1,472.29
			For Class 52 Rating, Deduct	-1,606.97	
			For Class 54 Rating, Add	2,218.10	
			For Class 55 Rating, Add	3,311.31	
			For Class 56 Rating, Add	4,389.91	
40 05 19 00-3019	EA		30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,769.76	1,475.81
			For Class 52 Rating, Deduct	-1,708.70	
			For Class 54 Rating, Add	2,356.88	
			For Class 55 Rating, Add	3,517.68	
			For Class 56 Rating, Add	4,662.93	
40 05 19 00-3020	EA		30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,699.91	1,479.32
			For Class 52 Rating, Deduct	-1,810.44	
			For Class 54 Rating, Add	2,495.67	
			For Class 55 Rating, Add	3,724.04	
			For Class 56 Rating, Add	4,935.95	
40 05 19 00-3021	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,630.08	1,482.84
			For Class 52 Rating, Deduct	-1,912.17	
			For Class 54 Rating, Add	2,634.46	
			For Class 55 Rating, Add	3,930.41	
			For Class 56 Rating, Add	5,208.97	
40 05 19 00-3022	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,560.24	1,486.35
			For Class 52 Rating, Deduct	-2,013.90	
			For Class 54 Rating, Add	2,773.25	
			For Class 55 Rating, Add	4,136.78	
			For Class 56 Rating, Add	5,481.99	
40 05 19 00-3023	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,490.41	1,489.86
			For Class 52 Rating, Deduct	-2,115.63	
			For Class 54 Rating, Add	2,912.04	
			For Class 55 Rating, Add	4,343.14	
			For Class 56 Rating, Add	5,755.01	
40 05 19 00-3024	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,420.57	1,493.38
			For Class 52 Rating, Deduct	-2,217.37	
			For Class 54 Rating, Add	3,050.83	
			For Class 55 Rating, Add	4,549.51	
			For Class 56 Rating, Add	6,028.03	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3025	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,350.74	1,496.89
		For Class 52 Rating, Deduct.....	-2,319.10	
		For Class 54 Rating, Add.....	3,189.62	
		For Class 55 Rating, Add.....	4,755.88	
		For Class 56 Rating, Add.....	6,301.05	
40 05 19 00-3026	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,280.90	1,500.40
		For Class 52 Rating, Deduct.....	-2,420.83	
		For Class 54 Rating, Add.....	3,328.41	
		For Class 55 Rating, Add.....	4,962.25	
		For Class 56 Rating, Add.....	6,574.07	
40 05 19 00-3027	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,211.07	1,503.92
		For Class 52 Rating, Deduct.....	-2,522.57	
		For Class 54 Rating, Add.....	3,467.21	
		For Class 55 Rating, Add.....	5,168.62	
		For Class 56 Rating, Add.....	6,847.09	
40 05 19 00-3028	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,141.24	1,507.43
		For Class 52 Rating, Deduct.....	-2,624.30	
		For Class 54 Rating, Add.....	3,606.00	
		For Class 55 Rating, Add.....	5,374.98	
		For Class 56 Rating, Add.....	7,120.11	
40 05 19 00-3029	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,071.40	1,510.95
		For Class 52 Rating, Deduct.....	-2,726.03	
		For Class 54 Rating, Add.....	3,744.79	
		For Class 55 Rating, Add.....	5,581.35	
		For Class 56 Rating, Add.....	7,393.13	
40 05 19 00-3030	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,001.57	1,514.46
		For Class 52 Rating, Deduct.....	-2,827.76	
		For Class 54 Rating, Add.....	3,883.58	
		For Class 55 Rating, Add.....	5,787.72	
		For Class 56 Rating, Add.....	7,666.15	
40 05 19 00-3031	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,931.72	1,517.97
		For Class 52 Rating, Deduct.....	-2,929.49	
		For Class 54 Rating, Add.....	4,022.36	
		For Class 55 Rating, Add.....	5,994.08	
		For Class 56 Rating, Add.....	7,939.17	
40 05 19 00-3032	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,861.89	1,521.49
		For Class 52 Rating, Deduct.....	-3,031.23	
		For Class 54 Rating, Add.....	4,161.15	
		For Class 55 Rating, Add.....	6,200.45	
		For Class 56 Rating, Add.....	8,212.19	
40 05 19 00-3033	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,792.06	1,525.00
		For Class 52 Rating, Deduct.....	-3,132.96	
		For Class 54 Rating, Add.....	4,299.94	
		For Class 55 Rating, Add.....	6,406.82	
		For Class 56 Rating, Add.....	8,485.21	
40 05 19 00-3034	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,722.22	1,528.51
		For Class 52 Rating, Deduct.....	-3,234.69	
		For Class 54 Rating, Add.....	4,438.73	
		For Class 55 Rating, Add.....	6,613.18	
		For Class 56 Rating, Add.....	8,758.23	
40 05 19 00-3035	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,652.39	1,532.03
		For Class 52 Rating, Deduct.....	-3,336.42	
		For Class 54 Rating, Add.....	4,577.52	
		For Class 55 Rating, Add.....	6,819.55	
		For Class 56 Rating, Add.....	9,031.25	
40 05 19 00-3036	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,582.55	1,535.54
		For Class 52 Rating, Deduct.....	-3,438.16	
		For Class 54 Rating, Add.....	4,716.31	
		For Class 55 Rating, Add.....	7,025.92	
		For Class 56 Rating, Add.....	9,304.27	
40 05 19 00-3037	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,512.71	1,539.06
		For Class 52 Rating, Deduct.....	-3,539.89	
		For Class 54 Rating, Add.....	4,855.10	
		For Class 55 Rating, Add.....	7,232.29	
		For Class 56 Rating, Add.....	9,577.29	
40 05 19 00-3038	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,442.88	1,542.57
		For Class 52 Rating, Deduct.....	-3,641.62	
		For Class 54 Rating, Add.....	4,993.90	
		For Class 55 Rating, Add.....	7,438.66	
		For Class 56 Rating, Add.....	9,850.31	
40 05 19 00-3039	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,373.05	1,546.08
		For Class 52 Rating, Deduct.....	-3,743.36	
		For Class 54 Rating, Add.....	5,132.69	
		For Class 55 Rating, Add.....	7,645.02	
		For Class 56 Rating, Add.....	10,123.33	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3040	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,303.22	1,549.60
		For Class 52 Rating, Deduct.....	-3,845.09	
		For Class 54 Rating, Add.....	5,271.48	
		For Class 55 Rating, Add.....	7,851.39	
		For Class 56 Rating, Add.....	10,396.35	
40 05 19 00-3041	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,233.38	1,553.11
		For Class 52 Rating, Deduct.....	-3,946.82	
		For Class 54 Rating, Add.....	5,410.27	
		For Class 55 Rating, Add.....	8,057.76	
		For Class 56 Rating, Add.....	10,669.37	
40 05 19 00-3042	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,163.55	1,556.62
		For Class 52 Rating, Deduct.....	-4,048.55	
		For Class 54 Rating, Add.....	5,549.06	
		For Class 55 Rating, Add.....	8,264.12	
		For Class 56 Rating, Add.....	10,942.39	
40 05 19 00-3043	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	40,093.70	1,560.14
		For Class 52 Rating, Deduct.....	-4,150.28	
		For Class 54 Rating, Add.....	5,687.85	
		For Class 55 Rating, Add.....	8,470.49	
		For Class 56 Rating, Add.....	11,215.41	
40 05 19 00-3044	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	41,023.87	1,563.65
		For Class 52 Rating, Deduct.....	-4,252.02	
		For Class 54 Rating, Add.....	5,826.64	
		For Class 55 Rating, Add.....	8,676.86	
		For Class 56 Rating, Add.....	11,488.43	
40 05 19 00-3045	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	41,954.03	1,567.17
		For Class 52 Rating, Deduct.....	-4,353.75	
		For Class 54 Rating, Add.....	5,965.42	
		For Class 55 Rating, Add.....	8,883.23	
		For Class 56 Rating, Add.....	11,761.45	
 40 05 19 00-3046 36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2614)				
40 05 19 00-3047	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,281.83	1,834.21
		For Class 52 Rating, Deduct.....	-1,265.30	
		For Class 54 Rating, Add.....	1,758.76	
		For Class 55 Rating, Add.....	2,631.80	
		For Class 56 Rating, Add.....	3,493.35	
40 05 19 00-3048	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,528.39	1,837.73
		For Class 52 Rating, Deduct.....	-1,401.83	
		For Class 54 Rating, Add.....	1,945.00	
		For Class 55 Rating, Add.....	2,908.73	
		For Class 56 Rating, Add.....	3,859.70	
40 05 19 00-3049	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,774.94	1,841.24
		For Class 52 Rating, Deduct.....	-1,538.37	
		For Class 54 Rating, Add.....	2,131.25	
		For Class 55 Rating, Add.....	3,185.65	
		For Class 56 Rating, Add.....	4,226.06	
40 05 19 00-3050	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,021.50	1,844.75
		For Class 52 Rating, Deduct.....	-1,674.91	
		For Class 54 Rating, Add.....	2,317.50	
		For Class 55 Rating, Add.....	3,462.57	
		For Class 56 Rating, Add.....	4,592.41	
40 05 19 00-3051	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,268.06	1,848.27
		For Class 52 Rating, Deduct.....	-1,811.44	
		For Class 54 Rating, Add.....	2,503.75	
		For Class 55 Rating, Add.....	3,739.50	
		For Class 56 Rating, Add.....	4,958.77	
40 05 19 00-3052	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,514.62	1,851.78
		For Class 52 Rating, Deduct.....	-1,947.98	
		For Class 54 Rating, Add.....	2,690.00	
		For Class 55 Rating, Add.....	4,016.42	
		For Class 56 Rating, Add.....	5,325.13	
40 05 19 00-3053	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,761.17	1,855.30
		For Class 52 Rating, Deduct.....	-2,084.51	
		For Class 54 Rating, Add.....	2,876.25	
		For Class 55 Rating, Add.....	4,293.34	
		For Class 56 Rating, Add.....	5,691.48	
40 05 19 00-3054	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,007.74	1,858.81
		For Class 52 Rating, Deduct.....	-2,221.05	
		For Class 54 Rating, Add.....	3,062.50	
		For Class 55 Rating, Add.....	4,570.26	
		For Class 56 Rating, Add.....	6,057.84	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3055	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,254.29	1,862.32
		For Class 52 Rating, Deduct.....	-2,357.58	
		For Class 54 Rating, Add.....	3,248.75	
		For Class 55 Rating, Add.....	4,847.19	
		For Class 56 Rating, Add.....	6,424.19	
40 05 19 00-3056	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,500.84	1,865.84
		For Class 52 Rating, Deduct.....	-2,494.12	
		For Class 54 Rating, Add.....	3,435.00	
		For Class 55 Rating, Add.....	5,124.11	
		For Class 56 Rating, Add.....	6,790.55	
40 05 19 00-3057	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,747.41	1,869.35
		For Class 52 Rating, Deduct.....	-2,630.66	
		For Class 54 Rating, Add.....	3,621.25	
		For Class 55 Rating, Add.....	5,401.03	
		For Class 56 Rating, Add.....	7,156.90	
40 05 19 00-3058	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,993.96	1,872.86
		For Class 52 Rating, Deduct.....	-2,767.19	
		For Class 54 Rating, Add.....	3,807.49	
		For Class 55 Rating, Add.....	5,677.95	
		For Class 56 Rating, Add.....	7,523.26	
40 05 19 00-3059	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,240.53	1,876.38
		For Class 52 Rating, Deduct.....	-2,903.73	
		For Class 54 Rating, Add.....	3,993.74	
		For Class 55 Rating, Add.....	5,954.88	
		For Class 56 Rating, Add.....	7,889.62	
40 05 19 00-3060	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,487.07	1,879.89
		For Class 52 Rating, Deduct.....	-3,040.26	
		For Class 54 Rating, Add.....	4,179.99	
		For Class 55 Rating, Add.....	6,231.80	
		For Class 56 Rating, Add.....	8,255.97	
40 05 19 00-3061	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,733.63	1,883.41
		For Class 52 Rating, Deduct.....	-3,176.80	
		For Class 54 Rating, Add.....	4,366.24	
		For Class 55 Rating, Add.....	6,508.72	
		For Class 56 Rating, Add.....	8,622.33	
40 05 19 00-3062	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,980.20	1,886.92
		For Class 52 Rating, Deduct.....	-3,313.33	
		For Class 54 Rating, Add.....	4,552.49	
		For Class 55 Rating, Add.....	6,785.65	
		For Class 56 Rating, Add.....	8,988.68	
40 05 19 00-3063	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,226.75	1,890.43
		For Class 52 Rating, Deduct.....	-3,449.87	
		For Class 54 Rating, Add.....	4,738.74	
		For Class 55 Rating, Add.....	7,062.57	
		For Class 56 Rating, Add.....	9,355.04	
40 05 19 00-3064	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,473.32	1,893.95
		For Class 52 Rating, Deduct.....	-3,586.41	
		For Class 54 Rating, Add.....	4,924.99	
		For Class 55 Rating, Add.....	7,339.49	
		For Class 56 Rating, Add.....	9,721.40	
40 05 19 00-3065	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,719.87	1,897.46
		For Class 52 Rating, Deduct.....	-3,722.94	
		For Class 54 Rating, Add.....	5,111.24	
		For Class 55 Rating, Add.....	7,616.42	
		For Class 56 Rating, Add.....	10,087.75	
40 05 19 00-3066	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,966.42	1,900.98
		For Class 52 Rating, Deduct.....	-3,859.48	
		For Class 54 Rating, Add.....	5,297.49	
		For Class 55 Rating, Add.....	7,893.34	
		For Class 56 Rating, Add.....	10,454.10	
40 05 19 00-3067	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,212.98	1,904.49
		For Class 52 Rating, Deduct.....	-3,996.01	
		For Class 54 Rating, Add.....	5,483.74	
		For Class 55 Rating, Add.....	8,170.26	
		For Class 56 Rating, Add.....	10,820.46	
40 05 19 00-3068	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	40,459.54	1,908.00
		For Class 52 Rating, Deduct.....	-4,132.55	
		For Class 54 Rating, Add.....	5,669.98	
		For Class 55 Rating, Add.....	8,447.18	
		For Class 56 Rating, Add.....	11,186.82	
40 05 19 00-3069	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	41,706.11	1,911.52
		For Class 52 Rating, Deduct.....	-4,269.08	
		For Class 54 Rating, Add.....	5,856.23	
		For Class 55 Rating, Add.....	8,724.11	
		For Class 56 Rating, Add.....	11,553.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3070	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	42,952.66	1,915.03
			For Class 52 Rating, Deduct	-4,405.62	
			For Class 54 Rating, Add	6,042.48	
			For Class 55 Rating, Add	9,001.03	
			For Class 56 Rating, Add	11,919.53	
40 05 19 00-3071	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	44,199.22	1,918.55
			For Class 52 Rating, Deduct	-4,542.16	
			For Class 54 Rating, Add	6,228.73	
			For Class 55 Rating, Add	9,277.95	
			For Class 56 Rating, Add	12,285.88	
40 05 19 00-3072	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	45,445.77	1,922.07
			For Class 52 Rating, Deduct	-4,678.69	
			For Class 54 Rating, Add	6,414.98	
			For Class 55 Rating, Add	9,554.88	
			For Class 56 Rating, Add	12,652.24	
40 05 19 00-3073	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	46,692.33	1,925.58
			For Class 52 Rating, Deduct	-4,815.23	
			For Class 54 Rating, Add	6,601.23	
			For Class 55 Rating, Add	9,831.80	
			For Class 56 Rating, Add	13,018.59	
40 05 19 00-3074	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	47,938.89	1,929.10
			For Class 52 Rating, Deduct	-4,951.76	
			For Class 54 Rating, Add	6,787.48	
			For Class 55 Rating, Add	10,108.72	
			For Class 56 Rating, Add	13,384.95	
40 05 19 00-3075	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	49,185.45	1,932.61
			For Class 52 Rating, Deduct	-5,088.30	
			For Class 54 Rating, Add	6,973.73	
			For Class 55 Rating, Add	10,385.65	
			For Class 56 Rating, Add	13,751.31	
40 05 19 00-3076	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	50,432.01	1,936.12
			For Class 52 Rating, Deduct	-5,224.83	
			For Class 54 Rating, Add	7,159.98	
			For Class 55 Rating, Add	10,662.57	
			For Class 56 Rating, Add	14,117.66	
40 05 19 00-3077	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	51,678.56	1,939.64
			For Class 52 Rating, Deduct	-5,361.37	
			For Class 54 Rating, Add	7,346.23	
			For Class 55 Rating, Add	10,939.49	
			For Class 56 Rating, Add	14,484.02	
40 05 19 00-3078	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	52,925.12	1,943.15
			For Class 52 Rating, Deduct	-5,497.91	
			For Class 54 Rating, Add	7,532.47	
			For Class 55 Rating, Add	11,216.41	
			For Class 56 Rating, Add	14,850.37	
40 05 19 00-3079	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	54,171.67	1,946.66
			For Class 52 Rating, Deduct	-5,634.44	
			For Class 54 Rating, Add	7,718.72	
			For Class 55 Rating, Add	11,493.34	
			For Class 56 Rating, Add	15,216.73	
40 05 19 00-3080	EA		36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	55,418.24	1,950.18
			For Class 52 Rating, Deduct	-5,770.98	
			For Class 54 Rating, Add	7,904.97	
			For Class 55 Rating, Add	11,770.26	
			For Class 56 Rating, Add	15,583.09	
40 05 19 00-3081	EA		36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	56,664.79	1,953.69
			For Class 52 Rating, Deduct	-5,907.51	
			For Class 54 Rating, Add	8,091.22	
			For Class 55 Rating, Add	12,047.18	
			For Class 56 Rating, Add	15,949.44	
40 05 19 00-3082			Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2073)		
40 05 19 00-3083			4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)		
40 05 19 00-3084	EA		4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	774.51	171.84
			For Class 52 Rating, Deduct	-56.56	
			For Class 54 Rating, Add	80.25	
			For Class 55 Rating, Add	120.90	
			For Class 56 Rating, Add	161.04	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3085	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	894.66	174.85
		For Class 52 Rating, Deduct	-69.27	
		For Class 54 Rating, Add	97.64	
		For Class 55 Rating, Add	146.79	
		For Class 56 Rating, Add	195.31	
40 05 19 00-3086	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	1,014.83	177.87
		For Class 52 Rating, Deduct	-81.99	
		For Class 54 Rating, Add	115.04	
		For Class 55 Rating, Add	172.68	
		For Class 56 Rating, Add	229.58	
40 05 19 00-3087	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	1,134.98	180.86
		For Class 52 Rating, Deduct	-94.70	
		For Class 54 Rating, Add	132.43	
		For Class 55 Rating, Add	198.57	
		For Class 56 Rating, Add	263.85	
40 05 19 00-3088	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	1,255.14	183.87
		For Class 52 Rating, Deduct	-107.42	
		For Class 54 Rating, Add	149.83	
		For Class 55 Rating, Add	224.46	
		For Class 56 Rating, Add	298.11	
40 05 19 00-3089	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	1,375.28	186.87
		For Class 52 Rating, Deduct	-120.14	
		For Class 54 Rating, Add	167.22	
		For Class 55 Rating, Add	250.35	
		For Class 56 Rating, Add	332.38	
40 05 19 00-3090	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	1,495.45	189.88
		For Class 52 Rating, Deduct	-132.85	
		For Class 54 Rating, Add	184.62	
		For Class 55 Rating, Add	276.24	
		For Class 56 Rating, Add	366.65	
40 05 19 00-3091	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	1,615.60	192.87
		For Class 52 Rating, Deduct	-145.57	
		For Class 54 Rating, Add	202.01	
		For Class 55 Rating, Add	302.13	
		For Class 56 Rating, Add	400.91	
40 05 19 00-3092	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	1,735.76	195.89
		For Class 52 Rating, Deduct	-158.29	
		For Class 54 Rating, Add	219.41	
		For Class 55 Rating, Add	328.02	
		For Class 56 Rating, Add	435.18	
40 05 19 00-3093	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	1,855.91	198.89
		For Class 52 Rating, Deduct	-171.00	
		For Class 54 Rating, Add	236.80	
		For Class 55 Rating, Add	353.90	
		For Class 56 Rating, Add	469.45	
40 05 19 00-3094	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	1,976.08	201.89
		For Class 52 Rating, Deduct	-183.72	
		For Class 54 Rating, Add	254.20	
		For Class 55 Rating, Add	379.79	
		For Class 56 Rating, Add	503.72	
40 05 19 00-3095	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,096.23	204.89
		For Class 52 Rating, Deduct	-196.44	
		For Class 54 Rating, Add	271.59	
		For Class 55 Rating, Add	405.68	
		For Class 56 Rating, Add	537.98	
40 05 19 00-3096	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,216.39	207.90
		For Class 52 Rating, Deduct	-209.15	
		For Class 54 Rating, Add	288.99	
		For Class 55 Rating, Add	431.57	
		For Class 56 Rating, Add	572.25	
40 05 19 00-3097	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,336.55	210.91
		For Class 52 Rating, Deduct	-221.87	
		For Class 54 Rating, Add	306.39	
		For Class 55 Rating, Add	457.46	
		For Class 56 Rating, Add	606.52	
40 05 19 00-3098	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,456.71	213.91
		For Class 52 Rating, Deduct	-234.59	
		For Class 54 Rating, Add	323.78	
		For Class 55 Rating, Add	483.35	
		For Class 56 Rating, Add	640.79	
40 05 19 00-3099	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,576.87	216.91
		For Class 52 Rating, Deduct	-247.30	
		For Class 54 Rating, Add	341.18	
		For Class 55 Rating, Add	509.24	
		For Class 56 Rating, Add	675.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3100	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,697.02	219.92
			For Class 52 Rating, Deduct.....	-260.02	
			For Class 54 Rating, Add.....	358.57	
			For Class 55 Rating, Add.....	535.13	
			For Class 56 Rating, Add.....	709.32	
40 05 19 00-3101	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,817.18	222.91
			For Class 52 Rating, Deduct.....	-272.74	
			For Class 54 Rating, Add.....	375.97	
			For Class 55 Rating, Add.....	561.02	
			For Class 56 Rating, Add.....	743.59	
40 05 19 00-3102	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,937.34	225.92
			For Class 52 Rating, Deduct.....	-285.45	
			For Class 54 Rating, Add.....	393.36	
			For Class 55 Rating, Add.....	586.91	
			For Class 56 Rating, Add.....	777.86	
40 05 19 00-3103	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,057.50	228.93
			For Class 52 Rating, Deduct.....	-298.17	
			For Class 54 Rating, Add.....	410.76	
			For Class 55 Rating, Add.....	612.80	
			For Class 56 Rating, Add.....	812.13	
40 05 19 00-3104	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,177.65	231.94
			For Class 52 Rating, Deduct.....	-310.89	
			For Class 54 Rating, Add.....	428.15	
			For Class 55 Rating, Add.....	638.69	
			For Class 56 Rating, Add.....	846.39	
40 05 19 00-3105	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,297.81	234.94
			For Class 52 Rating, Deduct.....	-323.60	
			For Class 54 Rating, Add.....	445.55	
			For Class 55 Rating, Add.....	664.58	
			For Class 56 Rating, Add.....	880.66	
40 05 19 00-3106	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,417.97	237.94
			For Class 52 Rating, Deduct.....	-336.32	
			For Class 54 Rating, Add.....	462.94	
			For Class 55 Rating, Add.....	690.46	
			For Class 56 Rating, Add.....	914.93	
40 05 19 00-3107	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,538.13	240.95
			For Class 52 Rating, Deduct.....	-349.04	
			For Class 54 Rating, Add.....	480.34	
			For Class 55 Rating, Add.....	716.35	
			For Class 56 Rating, Add.....	949.20	
40 05 19 00-3108	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,956.42	243.94
			For Class 52 Rating, Deduct.....	-394.55	
			For Class 54 Rating, Add.....	542.46	
			For Class 55 Rating, Add.....	808.73	
			For Class 56 Rating, Add.....	1,071.41	
40 05 19 00-3109	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,076.58	246.95
			For Class 52 Rating, Deduct.....	-407.27	
			For Class 54 Rating, Add.....	559.85	
			For Class 55 Rating, Add.....	834.62	
			For Class 56 Rating, Add.....	1,105.68	
40 05 19 00-3110	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,196.73	249.96
			For Class 52 Rating, Deduct.....	-419.98	
			For Class 54 Rating, Add.....	577.25	
			For Class 55 Rating, Add.....	860.51	
			For Class 56 Rating, Add.....	1,139.95	
40 05 19 00-3111	EA		4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,316.90	252.97
			For Class 52 Rating, Deduct.....	-432.70	
			For Class 54 Rating, Add.....	594.64	
			For Class 55 Rating, Add.....	886.40	
			For Class 56 Rating, Add.....	1,174.22	
40 05 19 00-3112	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,437.05	255.96
			For Class 52 Rating, Deduct.....	-445.41	
			For Class 54 Rating, Add.....	612.04	
			For Class 55 Rating, Add.....	912.28	
			For Class 56 Rating, Add.....	1,208.48	
40 05 19 00-3113	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,557.21	258.97
			For Class 52 Rating, Deduct.....	-458.13	
			For Class 54 Rating, Add.....	629.43	
			For Class 55 Rating, Add.....	938.17	
			For Class 56 Rating, Add.....	1,242.75	
40 05 19 00-3114	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,677.35	261.98
			For Class 52 Rating, Deduct.....	-470.85	
			For Class 54 Rating, Add.....	646.83	
			For Class 55 Rating, Add.....	964.06	
			For Class 56 Rating, Add.....	1,277.02	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3115	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,797.52	264.99
		For Class 52 Rating, Deduct	-483.56	
		For Class 54 Rating, Add	664.22	
		For Class 55 Rating, Add	989.95	
		For Class 56 Rating, Add	1,311.29	
40 05 19 00-3116	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,917.67	267.99
		For Class 52 Rating, Deduct	-496.28	
		For Class 54 Rating, Add	681.62	
		For Class 55 Rating, Add	1,015.84	
		For Class 56 Rating, Add	1,345.55	
40 05 19 00-3117	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,037.83	270.99
		For Class 52 Rating, Deduct	-509.00	
		For Class 54 Rating, Add	699.01	
		For Class 55 Rating, Add	1,041.73	
		For Class 56 Rating, Add	1,379.82	
40 05 19 00-3118	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,157.98	274.00
		For Class 52 Rating, Deduct	-521.71	
		For Class 54 Rating, Add	716.41	
		For Class 55 Rating, Add	1,067.62	
		For Class 56 Rating, Add	1,414.09	
40 05 19 00-3119	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,278.15	276.99
		For Class 52 Rating, Deduct	-534.43	
		For Class 54 Rating, Add	733.81	
		For Class 55 Rating, Add	1,093.51	
		For Class 56 Rating, Add	1,448.35	
40 05 19 00-3120	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,398.30	280.00
		For Class 52 Rating, Deduct	-547.15	
		For Class 54 Rating, Add	751.20	
		For Class 55 Rating, Add	1,119.40	
		For Class 56 Rating, Add	1,482.62	
40 05 19 00-3121	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,518.46	283.01
		For Class 52 Rating, Deduct	-559.86	
		For Class 54 Rating, Add	768.60	
		For Class 55 Rating, Add	1,145.29	
		For Class 56 Rating, Add	1,516.89	
40 05 19 00-3122	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,638.61	286.02
		For Class 52 Rating, Deduct	-572.58	
		For Class 54 Rating, Add	785.99	
		For Class 55 Rating, Add	1,171.18	
		For Class 56 Rating, Add	1,551.15	

40 05 19 00-3123 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-3082)

40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	951.40	216.32
		For Class 52 Rating, Deduct	-68.60	
		For Class 54 Rating, Add	97.48	
		For Class 55 Rating, Add	146.94	
		For Class 56 Rating, Add	195.78	
40 05 19 00-3125	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,089.81	219.32
		For Class 52 Rating, Deduct	-83.33	
		For Class 54 Rating, Add	117.62	
		For Class 55 Rating, Add	176.90	
		For Class 56 Rating, Add	235.43	
40 05 19 00-3126	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,228.23	222.32
		For Class 52 Rating, Deduct	-98.05	
		For Class 54 Rating, Add	137.75	
		For Class 55 Rating, Add	206.86	
		For Class 56 Rating, Add	275.08	
40 05 19 00-3127	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,366.63	225.32
		For Class 52 Rating, Deduct	-112.78	
		For Class 54 Rating, Add	157.88	
		For Class 55 Rating, Add	236.82	
		For Class 56 Rating, Add	314.73	
40 05 19 00-3128	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,505.04	228.33
		For Class 52 Rating, Deduct	-127.50	
		For Class 54 Rating, Add	178.01	
		For Class 55 Rating, Add	266.78	
		For Class 56 Rating, Add	354.39	
40 05 19 00-3129	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,643.45	231.32
		For Class 52 Rating, Deduct	-142.22	
		For Class 54 Rating, Add	198.15	
		For Class 55 Rating, Add	296.74	
		For Class 56 Rating, Add	394.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3130	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,781.87	234.34
			For Class 52 Rating, Deduct.....	-156.95	
			For Class 54 Rating, Add.....	218.28	
			For Class 55 Rating, Add.....	326.70	
			For Class 56 Rating, Add.....	433.69	
40 05 19 00-3131	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,920.28	237.35
			For Class 52 Rating, Deduct.....	-171.67	
			For Class 54 Rating, Add.....	238.42	
			For Class 55 Rating, Add.....	356.66	
			For Class 56 Rating, Add.....	473.34	
40 05 19 00-3132	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,058.69	240.35
			For Class 52 Rating, Deduct.....	-186.40	
			For Class 54 Rating, Add.....	258.55	
			For Class 55 Rating, Add.....	386.62	
			For Class 56 Rating, Add.....	513.00	
40 05 19 00-3133	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,197.10	243.35
			For Class 52 Rating, Deduct.....	-201.12	
			For Class 54 Rating, Add.....	278.68	
			For Class 55 Rating, Add.....	416.58	
			For Class 56 Rating, Add.....	552.65	
40 05 19 00-3134	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,335.51	246.35
			For Class 52 Rating, Deduct.....	-215.85	
			For Class 54 Rating, Add.....	298.82	
			For Class 55 Rating, Add.....	446.54	
			For Class 56 Rating, Add.....	592.30	
40 05 19 00-3135	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,473.92	249.36
			For Class 52 Rating, Deduct.....	-230.57	
			For Class 54 Rating, Add.....	318.95	
			For Class 55 Rating, Add.....	476.50	
			For Class 56 Rating, Add.....	631.95	
40 05 19 00-3136	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,612.33	252.36
			For Class 52 Rating, Deduct.....	-245.30	
			For Class 54 Rating, Add.....	339.08	
			For Class 55 Rating, Add.....	506.46	
			For Class 56 Rating, Add.....	671.60	
40 05 19 00-3137	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,750.74	255.37
			For Class 52 Rating, Deduct.....	-260.02	
			For Class 54 Rating, Add.....	359.22	
			For Class 55 Rating, Add.....	536.42	
			For Class 56 Rating, Add.....	711.26	
40 05 19 00-3138	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,889.16	258.37
			For Class 52 Rating, Deduct.....	-274.74	
			For Class 54 Rating, Add.....	379.35	
			For Class 55 Rating, Add.....	566.38	
			For Class 56 Rating, Add.....	750.91	
40 05 19 00-3139	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,027.57	261.38
			For Class 52 Rating, Deduct.....	-289.47	
			For Class 54 Rating, Add.....	399.48	
			For Class 55 Rating, Add.....	596.34	
			For Class 56 Rating, Add.....	790.56	
40 05 19 00-3140	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,165.98	264.37
			For Class 52 Rating, Deduct.....	-304.19	
			For Class 54 Rating, Add.....	419.62	
			For Class 55 Rating, Add.....	626.30	
			For Class 56 Rating, Add.....	830.21	
40 05 19 00-3141	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,304.37	267.38
			For Class 52 Rating, Deduct.....	-318.92	
			For Class 54 Rating, Add.....	439.75	
			For Class 55 Rating, Add.....	656.26	
			For Class 56 Rating, Add.....	869.86	
40 05 19 00-3142	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,442.79	270.39
			For Class 52 Rating, Deduct.....	-333.64	
			For Class 54 Rating, Add.....	459.88	
			For Class 55 Rating, Add.....	686.22	
			For Class 56 Rating, Add.....	909.52	
40 05 19 00-3143	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,581.20	273.40
			For Class 52 Rating, Deduct.....	-348.37	
			For Class 54 Rating, Add.....	480.02	
			For Class 55 Rating, Add.....	716.18	
			For Class 56 Rating, Add.....	949.17	
40 05 19 00-3144	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,719.61	276.39
			For Class 52 Rating, Deduct.....	-363.09	
			For Class 54 Rating, Add.....	500.15	
			For Class 55 Rating, Add.....	746.14	
			For Class 56 Rating, Add.....	988.82	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3145	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,858.02	279.40
		For Class 52 Rating, Deduct	-377.82	
		For Class 54 Rating, Add	520.28	
		For Class 55 Rating, Add	776.10	
		For Class 56 Rating, Add	1,028.47	
40 05 19 00-3146	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,996.44	282.41
		For Class 52 Rating, Deduct	-392.54	
		For Class 54 Rating, Add	540.42	
		For Class 55 Rating, Add	806.06	
		For Class 56 Rating, Add	1,068.13	
40 05 19 00-3147	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,134.85	285.40
		For Class 52 Rating, Deduct	-407.27	
		For Class 54 Rating, Add	560.55	
		For Class 55 Rating, Add	836.02	
		For Class 56 Rating, Add	1,107.78	
40 05 19 00-3148	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,273.25	288.42
		For Class 52 Rating, Deduct	-421.99	
		For Class 54 Rating, Add	580.68	
		For Class 55 Rating, Add	865.97	
		For Class 56 Rating, Add	1,147.43	
40 05 19 00-3149	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,411.66	291.42
		For Class 52 Rating, Deduct	-436.71	
		For Class 54 Rating, Add	600.82	
		For Class 55 Rating, Add	895.93	
		For Class 56 Rating, Add	1,187.08	
40 05 19 00-3150	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,550.07	294.43
		For Class 52 Rating, Deduct	-451.44	
		For Class 54 Rating, Add	620.95	
		For Class 55 Rating, Add	925.89	
		For Class 56 Rating, Add	1,226.73	
40 05 19 00-3151	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,688.49	297.42
		For Class 52 Rating, Deduct	-466.16	
		For Class 54 Rating, Add	641.08	
		For Class 55 Rating, Add	955.85	
		For Class 56 Rating, Add	1,266.39	
40 05 19 00-3152	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,826.90	300.43
		For Class 52 Rating, Deduct	-480.89	
		For Class 54 Rating, Add	661.22	
		For Class 55 Rating, Add	985.81	
		For Class 56 Rating, Add	1,306.04	
40 05 19 00-3153	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,965.31	303.44
		For Class 52 Rating, Deduct	-495.61	
		For Class 54 Rating, Add	681.35	
		For Class 55 Rating, Add	1,015.77	
		For Class 56 Rating, Add	1,345.69	
40 05 19 00-3154	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,103.72	306.44
		For Class 52 Rating, Deduct	-510.34	
		For Class 54 Rating, Add	701.48	
		For Class 55 Rating, Add	1,045.73	
		For Class 56 Rating, Add	1,385.34	
40 05 19 00-3155	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,242.13	309.44
		For Class 52 Rating, Deduct	-525.06	
		For Class 54 Rating, Add	721.62	
		For Class 55 Rating, Add	1,075.69	
		For Class 56 Rating, Add	1,424.99	
40 05 19 00-3156	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,380.54	312.45
		For Class 52 Rating, Deduct	-539.78	
		For Class 54 Rating, Add	741.75	
		For Class 55 Rating, Add	1,105.65	
		For Class 56 Rating, Add	1,464.65	
40 05 19 00-3157	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,518.95	315.46
		For Class 52 Rating, Deduct	-554.51	
		For Class 54 Rating, Add	761.88	
		For Class 55 Rating, Add	1,135.61	
		For Class 56 Rating, Add	1,504.30	
40 05 19 00-3158	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,657.36	318.45
		For Class 52 Rating, Deduct	-569.23	
		For Class 54 Rating, Add	782.02	
		For Class 55 Rating, Add	1,165.57	
		For Class 56 Rating, Add	1,543.95	
40 05 19 00-3159	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,795.78	321.47
		For Class 52 Rating, Deduct	-583.96	
		For Class 54 Rating, Add	802.15	
		For Class 55 Rating, Add	1,195.53	
		For Class 56 Rating, Add	1,583.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3160	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,934.19	324.47
			For Class 52 Rating, Deduct.....	-598.68	
			For Class 54 Rating, Add.....	822.28	
			For Class 55 Rating, Add.....	1,225.49	
			For Class 56 Rating, Add.....	1,623.26	
40 05 19 00-3161	EA		6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,072.60	327.47
			For Class 52 Rating, Deduct.....	-613.41	
			For Class 54 Rating, Add.....	842.42	
			For Class 55 Rating, Add.....	1,255.45	
			For Class 56 Rating, Add.....	1,662.91	
40 05 19 00-3162	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,211.00	330.47
			For Class 52 Rating, Deduct.....	-628.13	
			For Class 54 Rating, Add.....	862.55	
			For Class 55 Rating, Add.....	1,285.41	
			For Class 56 Rating, Add.....	1,702.56	
40 05 19 00-3163			8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)		
40 05 19 00-3164	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,297.99	276.39
			For Class 52 Rating, Deduct.....	-96.71	
			For Class 54 Rating, Add.....	136.91	
			For Class 55 Rating, Add.....	206.11	
			For Class 56 Rating, Add.....	274.44	
40 05 19 00-3165	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,475.95	279.40
			For Class 52 Rating, Deduct.....	-115.79	
			For Class 54 Rating, Add.....	162.97	
			For Class 55 Rating, Add.....	244.89	
			For Class 56 Rating, Add.....	325.76	
40 05 19 00-3166	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,653.91	282.41
			For Class 52 Rating, Deduct.....	-134.86	
			For Class 54 Rating, Add.....	189.04	
			For Class 55 Rating, Add.....	283.67	
			For Class 56 Rating, Add.....	377.08	
40 05 19 00-3167	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,831.87	285.40
			For Class 52 Rating, Deduct.....	-153.94	
			For Class 54 Rating, Add.....	215.10	
			For Class 55 Rating, Add.....	322.45	
			For Class 56 Rating, Add.....	428.40	
40 05 19 00-3168	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,009.83	288.42
			For Class 52 Rating, Deduct.....	-173.01	
			For Class 54 Rating, Add.....	241.17	
			For Class 55 Rating, Add.....	361.23	
			For Class 56 Rating, Add.....	479.72	
40 05 19 00-3169	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,187.79	291.42
			For Class 52 Rating, Deduct.....	-192.09	
			For Class 54 Rating, Add.....	267.24	
			For Class 55 Rating, Add.....	400.01	
			For Class 56 Rating, Add.....	531.04	
40 05 19 00-3170	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,365.74	294.43
			For Class 52 Rating, Deduct.....	-211.16	
			For Class 54 Rating, Add.....	293.30	
			For Class 55 Rating, Add.....	438.79	
			For Class 56 Rating, Add.....	582.36	
40 05 19 00-3171	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,543.71	297.42
			For Class 52 Rating, Deduct.....	-230.24	
			For Class 54 Rating, Add.....	319.37	
			For Class 55 Rating, Add.....	477.57	
			For Class 56 Rating, Add.....	633.68	
40 05 19 00-3172	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,721.67	300.43
			For Class 52 Rating, Deduct.....	-249.31	
			For Class 54 Rating, Add.....	345.43	
			For Class 55 Rating, Add.....	516.35	
			For Class 56 Rating, Add.....	685.00	
40 05 19 00-3173	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,899.63	303.44
			For Class 52 Rating, Deduct.....	-268.39	
			For Class 54 Rating, Add.....	371.50	
			For Class 55 Rating, Add.....	555.13	
			For Class 56 Rating, Add.....	736.32	
40 05 19 00-3174	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,077.58	306.44
			For Class 52 Rating, Deduct.....	-287.46	
			For Class 54 Rating, Add.....	397.56	
			For Class 55 Rating, Add.....	593.90	
			For Class 56 Rating, Add.....	787.63	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3175	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,255.55	309.44
		For Class 52 Rating, Deduct	-306.54	
		For Class 54 Rating, Add	423.63	
		For Class 55 Rating, Add	632.68	
		For Class 56 Rating, Add	838.95	
40 05 19 00-3176	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,433.51	312.45
		For Class 52 Rating, Deduct	-325.61	
		For Class 54 Rating, Add	449.70	
		For Class 55 Rating, Add	671.46	
		For Class 56 Rating, Add	890.27	
40 05 19 00-3177	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,611.47	315.46
		For Class 52 Rating, Deduct	-344.69	
		For Class 54 Rating, Add	475.76	
		For Class 55 Rating, Add	710.24	
		For Class 56 Rating, Add	941.59	
40 05 19 00-3178	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,789.42	318.45
		For Class 52 Rating, Deduct	-363.76	
		For Class 54 Rating, Add	501.83	
		For Class 55 Rating, Add	749.02	
		For Class 56 Rating, Add	992.91	
40 05 19 00-3179	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,967.39	321.47
		For Class 52 Rating, Deduct	-382.84	
		For Class 54 Rating, Add	527.89	
		For Class 55 Rating, Add	787.80	
		For Class 56 Rating, Add	1,044.23	
40 05 19 00-3180	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,145.35	324.47
		For Class 52 Rating, Deduct	-401.91	
		For Class 54 Rating, Add	553.96	
		For Class 55 Rating, Add	826.58	
		For Class 56 Rating, Add	1,095.55	
40 05 19 00-3181	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,323.31	327.47
		For Class 52 Rating, Deduct	-420.99	
		For Class 54 Rating, Add	580.03	
		For Class 55 Rating, Add	865.36	
		For Class 56 Rating, Add	1,146.87	
40 05 19 00-3182	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,501.27	330.47
		For Class 52 Rating, Deduct	-440.06	
		For Class 54 Rating, Add	606.09	
		For Class 55 Rating, Add	904.14	
		For Class 56 Rating, Add	1,198.19	
40 05 19 00-3183	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,679.23	333.48
		For Class 52 Rating, Deduct	-459.13	
		For Class 54 Rating, Add	632.16	
		For Class 55 Rating, Add	942.92	
		For Class 56 Rating, Add	1,249.51	
40 05 19 00-3184	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,857.19	336.49
		For Class 52 Rating, Deduct	-478.21	
		For Class 54 Rating, Add	658.22	
		For Class 55 Rating, Add	981.70	
		For Class 56 Rating, Add	1,300.83	
40 05 19 00-3185	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,035.15	339.49
		For Class 52 Rating, Deduct	-497.28	
		For Class 54 Rating, Add	684.29	
		For Class 55 Rating, Add	1,020.48	
		For Class 56 Rating, Add	1,352.14	
40 05 19 00-3186	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,213.11	342.49
		For Class 52 Rating, Deduct	-516.36	
		For Class 54 Rating, Add	710.35	
		For Class 55 Rating, Add	1,059.26	
		For Class 56 Rating, Add	1,403.46	
40 05 19 00-3187	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,391.06	345.50
		For Class 52 Rating, Deduct	-535.43	
		For Class 54 Rating, Add	736.42	
		For Class 55 Rating, Add	1,098.03	
		For Class 56 Rating, Add	1,454.78	
40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,569.02	348.50
		For Class 52 Rating, Deduct	-554.51	
		For Class 54 Rating, Add	762.48	
		For Class 55 Rating, Add	1,136.81	
		For Class 56 Rating, Add	1,506.10	
40 05 19 00-3189	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,746.98	351.50
		For Class 52 Rating, Deduct	-573.58	
		For Class 54 Rating, Add	788.55	
		For Class 55 Rating, Add	1,175.59	
		For Class 56 Rating, Add	1,557.42	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3190	EA		8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,924.94	354.52
			For Class 52 Rating, Deduct.....	-592.66	
			For Class 54 Rating, Add.....	814.62	
			For Class 55 Rating, Add.....	1,214.37	
			For Class 56 Rating, Add.....	1,608.74	
40 05 19 00-3191	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,102.90	357.52
			For Class 52 Rating, Deduct.....	-611.73	
			For Class 54 Rating, Add.....	840.68	
			For Class 55 Rating, Add.....	1,253.15	
			For Class 56 Rating, Add.....	1,660.06	
40 05 19 00-3192	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,280.86	360.52
			For Class 52 Rating, Deduct.....	-630.81	
			For Class 54 Rating, Add.....	866.75	
			For Class 55 Rating, Add.....	1,291.93	
			For Class 56 Rating, Add.....	1,711.38	
40 05 19 00-3193	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,458.82	363.52
			For Class 52 Rating, Deduct.....	-649.88	
			For Class 54 Rating, Add.....	892.81	
			For Class 55 Rating, Add.....	1,330.71	
			For Class 56 Rating, Add.....	1,762.70	
40 05 19 00-3194	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,636.78	366.53
			For Class 52 Rating, Deduct.....	-668.96	
			For Class 54 Rating, Add.....	918.88	
			For Class 55 Rating, Add.....	1,369.49	
			For Class 56 Rating, Add.....	1,814.02	
40 05 19 00-3195	EA		8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,814.74	369.53
			For Class 52 Rating, Deduct.....	-688.03	
			For Class 54 Rating, Add.....	944.95	
			For Class 55 Rating, Add.....	1,408.27	
			For Class 56 Rating, Add.....	1,865.34	
40 05 19 00-3196	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,992.70	372.54
			For Class 52 Rating, Deduct.....	-707.11	
			For Class 54 Rating, Add.....	971.01	
			For Class 55 Rating, Add.....	1,447.05	
			For Class 56 Rating, Add.....	1,916.65	
40 05 19 00-3197	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,170.66	375.54
			For Class 52 Rating, Deduct.....	-726.18	
			For Class 54 Rating, Add.....	997.08	
			For Class 55 Rating, Add.....	1,485.83	
			For Class 56 Rating, Add.....	1,967.97	
40 05 19 00-3198	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,348.62	378.55
			For Class 52 Rating, Deduct.....	-745.26	
			For Class 54 Rating, Add.....	1,023.14	
			For Class 55 Rating, Add.....	1,524.61	
			For Class 56 Rating, Add.....	2,019.29	
40 05 19 00-3199	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,526.58	381.54
			For Class 52 Rating, Deduct.....	-764.33	
			For Class 54 Rating, Add.....	1,049.21	
			For Class 55 Rating, Add.....	1,563.39	
			For Class 56 Rating, Add.....	2,070.61	
40 05 19 00-3200	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,704.54	384.55
			For Class 52 Rating, Deduct.....	-783.41	
			For Class 54 Rating, Add.....	1,075.27	
			For Class 55 Rating, Add.....	1,602.16	
			For Class 56 Rating, Add.....	2,121.93	
40 05 19 00-3201	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,882.50	387.55
			For Class 52 Rating, Deduct.....	-802.48	
			For Class 54 Rating, Add.....	1,101.34	
			For Class 55 Rating, Add.....	1,640.94	
			For Class 56 Rating, Add.....	2,173.25	
40 05 19 00-3202	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	8,060.46	390.57
			For Class 52 Rating, Deduct.....	-821.56	
			For Class 54 Rating, Add.....	1,127.41	
			For Class 55 Rating, Add.....	1,679.72	
			For Class 56 Rating, Add.....	2,224.57	
40 05 19 00-3203			10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)		
40 05 19 00-3204	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,638.50	336.49
			For Class 52 Rating, Deduct.....	-124.15	
			For Class 54 Rating, Add.....	175.42	
			For Class 55 Rating, Add.....	263.93	
			For Class 56 Rating, Add.....	351.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3205	EA	10" Flanged x Plain End (FxEPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	1,868.18	339.49
		For Class 52 Rating, Deduct	-148.92	
		For Class 54 Rating, Add	209.24	
		For Class 55 Rating, Add	314.24	
		For Class 56 Rating, Add	417.89	
40 05 19 00-3206	EA	10" Flanged x Plain End (FxEPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,097.85	342.49
		For Class 52 Rating, Deduct	-173.68	
		For Class 54 Rating, Add	243.07	
		For Class 55 Rating, Add	364.55	
		For Class 56 Rating, Add	484.46	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxEPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,327.53	345.50
		For Class 52 Rating, Deduct	-198.45	
		For Class 54 Rating, Add	276.89	
		For Class 55 Rating, Add	414.87	
		For Class 56 Rating, Add	551.04	
40 05 19 00-3208	EA	10" Flanged x Plain End (FxEPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,557.20	348.50
		For Class 52 Rating, Deduct	-223.21	
		For Class 54 Rating, Add	310.71	
		For Class 55 Rating, Add	465.18	
		For Class 56 Rating, Add	617.61	
40 05 19 00-3209	EA	10" Flanged x Plain End (FxEPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	2,786.88	351.50
		For Class 52 Rating, Deduct	-247.97	
		For Class 54 Rating, Add	344.54	
		For Class 55 Rating, Add	515.49	
		For Class 56 Rating, Add	684.19	
40 05 19 00-3210	EA	10" Flanged x Plain End (FxEPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,016.56	354.52
		For Class 52 Rating, Deduct	-272.74	
		For Class 54 Rating, Add	378.36	
		For Class 55 Rating, Add	565.80	
		For Class 56 Rating, Add	750.77	
40 05 19 00-3211	EA	10" Flanged x Plain End (FxEPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,246.24	357.52
		For Class 52 Rating, Deduct	-297.50	
		For Class 54 Rating, Add	412.18	
		For Class 55 Rating, Add	616.12	
		For Class 56 Rating, Add	817.34	
40 05 19 00-3212	EA	10" Flanged x Plain End (FxEPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,475.92	360.52
		For Class 52 Rating, Deduct	-322.26	
		For Class 54 Rating, Add	446.01	
		For Class 55 Rating, Add	666.43	
		For Class 56 Rating, Add	883.92	
40 05 19 00-3213	EA	10" Flanged x Plain End (FxEPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,705.59	363.52
		For Class 52 Rating, Deduct	-347.03	
		For Class 54 Rating, Add	479.83	
		For Class 55 Rating, Add	716.74	
		For Class 56 Rating, Add	950.49	
40 05 19 00-3214	EA	10" Flanged x Plain End (FxEPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,935.27	366.53
		For Class 52 Rating, Deduct	-371.79	
		For Class 54 Rating, Add	513.65	
		For Class 55 Rating, Add	767.05	
		For Class 56 Rating, Add	1,017.07	
40 05 19 00-3215	EA	10" Flanged x Plain End (FxEPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,164.94	369.53
		For Class 52 Rating, Deduct	-396.56	
		For Class 54 Rating, Add	547.48	
		For Class 55 Rating, Add	817.36	
		For Class 56 Rating, Add	1,083.65	
40 05 19 00-3216	EA	10" Flanged x Plain End (FxEPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,394.63	372.54
		For Class 52 Rating, Deduct	-421.32	
		For Class 54 Rating, Add	581.30	
		For Class 55 Rating, Add	867.68	
		For Class 56 Rating, Add	1,150.22	
40 05 19 00-3217	EA	10" Flanged x Plain End (FxEPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,624.31	375.54
		For Class 52 Rating, Deduct	-446.08	
		For Class 54 Rating, Add	615.12	
		For Class 55 Rating, Add	917.99	
		For Class 56 Rating, Add	1,216.80	
40 05 19 00-3218	EA	10" Flanged x Plain End (FxEPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,853.98	378.55
		For Class 52 Rating, Deduct	-470.85	
		For Class 54 Rating, Add	648.95	
		For Class 55 Rating, Add	968.30	
		For Class 56 Rating, Add	1,283.37	
40 05 19 00-3219	EA	10" Flanged x Plain End (FxEPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,083.66	381.54
		For Class 52 Rating, Deduct	-495.61	
		For Class 54 Rating, Add	682.77	
		For Class 55 Rating, Add	1,018.61	
		For Class 56 Rating, Add	1,349.95	

MINOR		DESCRIPTION	TOTAL DIRECT		DEMOLITION
CSI	UOM		UNIT	COST	
40 05 19 00-3220	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,313.34		384.55
		For Class 52 Rating, Deduct	-520.37		
		For Class 54 Rating, Add	716.59		
		For Class 55 Rating, Add	1,068.93		
		For Class 56 Rating, Add	1,416.53		
40 05 19 00-3221	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,543.02		387.55
		For Class 52 Rating, Deduct	-545.14		
		For Class 54 Rating, Add	750.42		
		For Class 55 Rating, Add	1,119.24		
		For Class 56 Rating, Add	1,483.10		
40 05 19 00-3222	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	5,772.69		390.57
		For Class 52 Rating, Deduct	-569.90		
		For Class 54 Rating, Add	784.24		
		For Class 55 Rating, Add	1,169.55		
		For Class 56 Rating, Add	1,549.68		
40 05 19 00-3223	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	6,002.37		393.56
		For Class 52 Rating, Deduct	-594.67		
		For Class 54 Rating, Add	818.06		
		For Class 55 Rating, Add	1,219.66		
		For Class 56 Rating, Add	1,616.25		
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	6,232.06		396.57
		For Class 52 Rating, Deduct	-619.43		
		For Class 54 Rating, Add	851.89		
		For Class 55 Rating, Add	1,270.18		
		For Class 56 Rating, Add	1,682.83		
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	6,461.73		399.58
		For Class 52 Rating, Deduct	-644.19		
		For Class 54 Rating, Add	885.71		
		For Class 55 Rating, Add	1,320.49		
		For Class 56 Rating, Add	1,749.41		
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	6,691.41		402.57
		For Class 52 Rating, Deduct	-668.96		
		For Class 54 Rating, Add	919.54		
		For Class 55 Rating, Add	1,370.80		
		For Class 56 Rating, Add	1,815.98		
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	6,921.08		405.58
		For Class 52 Rating, Deduct	-693.72		
		For Class 54 Rating, Add	953.36		
		For Class 55 Rating, Add	1,421.11		
		For Class 56 Rating, Add	1,882.56		
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	7,150.77		408.59
		For Class 52 Rating, Deduct	-718.49		
		For Class 54 Rating, Add	987.18		
		For Class 55 Rating, Add	1,471.42		
		For Class 56 Rating, Add	1,949.14		
40 05 19 00-3229	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	7,380.45		411.60
		For Class 52 Rating, Deduct	-743.25		
		For Class 54 Rating, Add	1,021.01		
		For Class 55 Rating, Add	1,521.74		
		For Class 56 Rating, Add	2,015.71		
40 05 19 00-3230	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	7,610.12		414.59
		For Class 52 Rating, Deduct	-768.01		
		For Class 54 Rating, Add	1,054.83		
		For Class 55 Rating, Add	1,572.05		
		For Class 56 Rating, Add	2,082.29		
40 05 19 00-3231	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	7,839.80		417.60
		For Class 52 Rating, Deduct	-792.78		
		For Class 54 Rating, Add	1,088.65		
		For Class 55 Rating, Add	1,622.36		
		For Class 56 Rating, Add	2,148.86		
40 05 19 00-3232	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	8,069.47		420.60
		For Class 52 Rating, Deduct	-817.54		
		For Class 54 Rating, Add	1,122.48		
		For Class 55 Rating, Add	1,672.67		
		For Class 56 Rating, Add	2,215.44		
40 05 19 00-3233	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	8,299.15		423.62
		For Class 52 Rating, Deduct	-842.31		
		For Class 54 Rating, Add	1,156.30		
		For Class 55 Rating, Add	1,722.99		
		For Class 56 Rating, Add	2,282.02		
40 05 19 00-3234	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....	8,528.82		426.61
		For Class 52 Rating, Deduct	-867.07		
		For Class 54 Rating, Add	1,190.12		
		For Class 55 Rating, Add	1,773.30		
		For Class 56 Rating, Add	2,348.59		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3235	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,758.50	429.62
		For Class 52 Rating, Deduct	-891.83	
		For Class 54 Rating, Add	1,223.95	
		For Class 55 Rating, Add	1,823.61	
		For Class 56 Rating, Add	2,415.17	
40 05 19 00-3236	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,988.19	432.63
		For Class 52 Rating, Deduct	-916.60	
		For Class 54 Rating, Add	1,257.77	
		For Class 55 Rating, Add	1,873.92	
		For Class 56 Rating, Add	2,481.74	
40 05 19 00-3237	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,217.86	435.62
		For Class 52 Rating, Deduct	-941.36	
		For Class 54 Rating, Add	1,291.59	
		For Class 55 Rating, Add	1,924.23	
		For Class 56 Rating, Add	2,548.32	
40 05 19 00-3238	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,447.54	438.63
		For Class 52 Rating, Deduct	-966.12	
		For Class 54 Rating, Add	1,325.42	
		For Class 55 Rating, Add	1,974.55	
		For Class 56 Rating, Add	2,614.90	
40 05 19 00-3239	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,677.21	441.64
		For Class 52 Rating, Deduct	-990.89	
		For Class 54 Rating, Add	1,359.24	
		For Class 55 Rating, Add	2,024.86	
		For Class 56 Rating, Add	2,681.47	
40 05 19 00-3240	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,906.89	444.65
		For Class 52 Rating, Deduct	-1,015.65	
		For Class 54 Rating, Add	1,393.06	
		For Class 55 Rating, Add	2,075.17	
		For Class 56 Rating, Add	2,748.05	
40 05 19 00-3241	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,136.57	447.64
		For Class 52 Rating, Deduct	-1,040.42	
		For Class 54 Rating, Add	1,426.89	
		For Class 55 Rating, Add	2,125.48	
		For Class 56 Rating, Add	2,814.62	
40 05 19 00-3242	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,366.25	450.65
		For Class 52 Rating, Deduct	-1,065.18	
		For Class 54 Rating, Add	1,460.71	
		For Class 55 Rating, Add	2,175.80	
		For Class 56 Rating, Add	2,881.20	

40 05 19 00-3243 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-3082)

40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,127.98	420.60
		For Class 52 Rating, Deduct	-163.98	
		For Class 54 Rating, Add	231.25	
		For Class 55 Rating, Add	347.72	
		For Class 56 Rating, Add	462.70	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,412.41	423.62
		For Class 52 Rating, Deduct	-194.76	
		For Class 54 Rating, Add	273.29	
		For Class 55 Rating, Add	410.24	
		For Class 56 Rating, Add	545.43	
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,696.85	426.61
		For Class 52 Rating, Deduct	-225.55	
		For Class 54 Rating, Add	315.33	
		For Class 55 Rating, Add	472.77	
		For Class 56 Rating, Add	628.16	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,981.29	429.62
		For Class 52 Rating, Deduct	-256.34	
		For Class 54 Rating, Add	357.37	
		For Class 55 Rating, Add	535.29	
		For Class 56 Rating, Add	710.89	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,265.73	432.63
		For Class 52 Rating, Deduct	-287.13	
		For Class 54 Rating, Add	399.40	
		For Class 55 Rating, Add	597.82	
		For Class 56 Rating, Add	793.62	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,550.17	435.62
		For Class 52 Rating, Deduct	-317.91	
		For Class 54 Rating, Add	441.44	
		For Class 55 Rating, Add	660.34	
		For Class 56 Rating, Add	876.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3250	EA		12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,834.60	438.63
			For Class 52 Rating, Deduct.....	-348.70	
			For Class 54 Rating, Add.....	483.48	
			For Class 55 Rating, Add.....	722.86	
			For Class 56 Rating, Add.....	959.08	
40 05 19 00-3251	EA		12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,119.04	441.64
			For Class 52 Rating, Deduct.....	-379.49	
			For Class 54 Rating, Add.....	525.51	
			For Class 55 Rating, Add.....	785.39	
			For Class 56 Rating, Add.....	1,041.81	
40 05 19 00-3252	EA		12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,403.48	444.65
			For Class 52 Rating, Deduct.....	-410.28	
			For Class 54 Rating, Add.....	567.55	
			For Class 55 Rating, Add.....	847.91	
			For Class 56 Rating, Add.....	1,124.54	
40 05 19 00-3253	EA		12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,687.92	447.64
			For Class 52 Rating, Deduct.....	-441.06	
			For Class 54 Rating, Add.....	609.59	
			For Class 55 Rating, Add.....	910.43	
			For Class 56 Rating, Add.....	1,207.27	
40 05 19 00-3254	EA		12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,972.36	450.65
			For Class 52 Rating, Deduct.....	-471.85	
			For Class 54 Rating, Add.....	651.63	
			For Class 55 Rating, Add.....	972.96	
			For Class 56 Rating, Add.....	1,290.00	
40 05 19 00-3255	EA		12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,256.79	453.65
			For Class 52 Rating, Deduct.....	-502.64	
			For Class 54 Rating, Add.....	693.66	
			For Class 55 Rating, Add.....	1,035.48	
			For Class 56 Rating, Add.....	1,372.73	
40 05 19 00-3256	EA		12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,541.23	456.65
			For Class 52 Rating, Deduct.....	-533.43	
			For Class 54 Rating, Add.....	735.70	
			For Class 55 Rating, Add.....	1,098.01	
			For Class 56 Rating, Add.....	1,455.46	
40 05 19 00-3257	EA		12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,825.68	459.66
			For Class 52 Rating, Deduct.....	-564.21	
			For Class 54 Rating, Add.....	777.74	
			For Class 55 Rating, Add.....	1,160.53	
			For Class 56 Rating, Add.....	1,538.19	
40 05 19 00-3258	EA		12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,110.11	462.67
			For Class 52 Rating, Deduct.....	-595.00	
			For Class 54 Rating, Add.....	819.78	
			For Class 55 Rating, Add.....	1,223.05	
			For Class 56 Rating, Add.....	1,620.92	
40 05 19 00-3259	EA		12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,394.55	465.67
			For Class 52 Rating, Deduct.....	-625.79	
			For Class 54 Rating, Add.....	861.82	
			For Class 55 Rating, Add.....	1,285.58	
			For Class 56 Rating, Add.....	1,703.65	
40 05 19 00-3260	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,678.98	468.67
			For Class 52 Rating, Deduct.....	-656.58	
			For Class 54 Rating, Add.....	903.85	
			For Class 55 Rating, Add.....	1,348.10	
			For Class 56 Rating, Add.....	1,786.38	
40 05 19 00-3261	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,963.43	471.67
			For Class 52 Rating, Deduct.....	-687.36	
			For Class 54 Rating, Add.....	945.89	
			For Class 55 Rating, Add.....	1,410.63	
			For Class 56 Rating, Add.....	1,869.11	
40 05 19 00-3262	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,247.87	474.69
			For Class 52 Rating, Deduct.....	-718.15	
			For Class 54 Rating, Add.....	987.93	
			For Class 55 Rating, Add.....	1,473.15	
			For Class 56 Rating, Add.....	1,951.84	
40 05 19 00-3263	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,532.30	477.69
			For Class 52 Rating, Deduct.....	-748.94	
			For Class 54 Rating, Add.....	1,029.96	
			For Class 55 Rating, Add.....	1,535.67	
			For Class 56 Rating, Add.....	2,034.57	
40 05 19 00-3264	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,816.74	480.69
			For Class 52 Rating, Deduct.....	-779.73	
			For Class 54 Rating, Add.....	1,072.00	
			For Class 55 Rating, Add.....	1,598.20	
			For Class 56 Rating, Add.....	2,117.30	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3265	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,101.19	483.70
		For Class 52 Rating, Deduct	-810.51	
		For Class 54 Rating, Add	1,114.04	
		For Class 55 Rating, Add	1,660.72	
		For Class 56 Rating, Add	2,200.04	
40 05 19 00-3266	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,385.62	486.70
		For Class 52 Rating, Deduct	-841.30	
		For Class 54 Rating, Add	1,156.08	
		For Class 55 Rating, Add	1,723.24	
		For Class 56 Rating, Add	2,282.76	
40 05 19 00-3267	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,670.06	489.70
		For Class 52 Rating, Deduct	-872.09	
		For Class 54 Rating, Add	1,198.12	
		For Class 55 Rating, Add	1,785.77	
		For Class 56 Rating, Add	2,365.49	
40 05 19 00-3268	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,954.49	492.71
		For Class 52 Rating, Deduct	-902.88	
		For Class 54 Rating, Add	1,240.15	
		For Class 55 Rating, Add	1,848.29	
		For Class 56 Rating, Add	2,448.22	
40 05 19 00-3269	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,238.93	495.72
		For Class 52 Rating, Deduct	-933.66	
		For Class 54 Rating, Add	1,282.19	
		For Class 55 Rating, Add	1,910.82	
		For Class 56 Rating, Add	2,530.95	
40 05 19 00-3270	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,523.37	498.72
		For Class 52 Rating, Deduct	-964.45	
		For Class 54 Rating, Add	1,324.23	
		For Class 55 Rating, Add	1,973.34	
		For Class 56 Rating, Add	2,613.69	
40 05 19 00-3271	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,807.80	501.72
		For Class 52 Rating, Deduct	-995.24	
		For Class 54 Rating, Add	1,366.27	
		For Class 55 Rating, Add	2,035.86	
		For Class 56 Rating, Add	2,696.41	
40 05 19 00-3272	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	10,092.24	504.72
		For Class 52 Rating, Deduct	-1,026.03	
		For Class 54 Rating, Add	1,408.30	
		For Class 55 Rating, Add	2,098.39	
		For Class 56 Rating, Add	2,779.15	
40 05 19 00-3273	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	10,376.68	507.73
		For Class 52 Rating, Deduct	-1,056.81	
		For Class 54 Rating, Add	1,450.34	
		For Class 55 Rating, Add	2,160.91	
		For Class 56 Rating, Add	2,861.87	
40 05 19 00-3274	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	10,661.12	510.72
		For Class 52 Rating, Deduct	-1,087.60	
		For Class 54 Rating, Add	1,492.38	
		For Class 55 Rating, Add	2,223.44	
		For Class 56 Rating, Add	2,944.61	
40 05 19 00-3275	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	10,945.56	513.74
		For Class 52 Rating, Deduct	-1,118.39	
		For Class 54 Rating, Add	1,534.42	
		For Class 55 Rating, Add	2,285.96	
		For Class 56 Rating, Add	3,027.34	
40 05 19 00-3276	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,229.99	516.75
		For Class 52 Rating, Deduct	-1,149.18	
		For Class 54 Rating, Add	1,576.45	
		For Class 55 Rating, Add	2,348.48	
		For Class 56 Rating, Add	3,110.07	
40 05 19 00-3277	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,514.43	519.75
		For Class 52 Rating, Deduct	-1,179.96	
		For Class 54 Rating, Add	1,618.49	
		For Class 55 Rating, Add	2,411.01	
		For Class 56 Rating, Add	3,192.80	
40 05 19 00-3278	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,798.87	522.75
		For Class 52 Rating, Deduct	-1,210.75	
		For Class 54 Rating, Add	1,660.53	
		For Class 55 Rating, Add	2,473.53	
		For Class 56 Rating, Add	3,275.53	
40 05 19 00-3279	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,083.31	525.75
		For Class 52 Rating, Deduct	-1,241.54	
		For Class 54 Rating, Add	1,702.57	
		For Class 55 Rating, Add	2,536.05	
		For Class 56 Rating, Add	3,358.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3280	EA		12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,367.75	528.77
			For Class 52 Rating, Deduct.....	-1,272.33	
			For Class 54 Rating, Add.....	1,744.60	
			For Class 55 Rating, Add.....	2,598.58	
			For Class 56 Rating, Add.....	3,440.99	
40 05 19 00-3281	EA		12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,652.18	531.76
			For Class 52 Rating, Deduct.....	-1,303.11	
			For Class 54 Rating, Add.....	1,786.64	
			For Class 55 Rating, Add.....	2,661.10	
			For Class 56 Rating, Add.....	3,523.72	
40 05 19 00-3282	EA		12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,936.63	534.77
			For Class 52 Rating, Deduct.....	-1,333.90	
			For Class 54 Rating, Add.....	1,828.68	
			For Class 55 Rating, Add.....	2,723.63	
			For Class 56 Rating, Add.....	3,606.45	
40 05 19 00-3283 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe					
			(40 05 19 00-3082)		
40 05 19 00-3284	EA		14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,866.92	504.72
			For Class 52 Rating, Deduct.....	-231.24	
			For Class 54 Rating, Add.....	324.51	
			For Class 55 Rating, Add.....	487.14	
			For Class 56 Rating, Add.....	647.68	
40 05 19 00-3285	EA		14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,212.21	507.73
			For Class 52 Rating, Deduct.....	-268.72	
			For Class 54 Rating, Add.....	375.67	
			For Class 55 Rating, Add.....	563.23	
			For Class 56 Rating, Add.....	748.36	
40 05 19 00-3286	EA		14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,557.49	510.72
			For Class 52 Rating, Deduct.....	-306.20	
			For Class 54 Rating, Add.....	426.83	
			For Class 55 Rating, Add.....	639.33	
			For Class 56 Rating, Add.....	849.03	
40 05 19 00-3287	EA		14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,902.77	513.74
			For Class 52 Rating, Deduct.....	-343.68	
			For Class 54 Rating, Add.....	478.00	
			For Class 55 Rating, Add.....	715.42	
			For Class 56 Rating, Add.....	949.71	
40 05 19 00-3288	EA		14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,248.05	516.75
			For Class 52 Rating, Deduct.....	-381.16	
			For Class 54 Rating, Add.....	529.16	
			For Class 55 Rating, Add.....	791.51	
			For Class 56 Rating, Add.....	1,050.39	
40 05 19 00-3289	EA		14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,593.33	519.75
			For Class 52 Rating, Deduct.....	-418.64	
			For Class 54 Rating, Add.....	580.33	
			For Class 55 Rating, Add.....	867.60	
			For Class 56 Rating, Add.....	1,151.07	
40 05 19 00-3290	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,938.62	522.75
			For Class 52 Rating, Deduct.....	-456.12	
			For Class 54 Rating, Add.....	631.49	
			For Class 55 Rating, Add.....	943.69	
			For Class 56 Rating, Add.....	1,251.75	
40 05 19 00-3291	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,283.90	525.75
			For Class 52 Rating, Deduct.....	-493.60	
			For Class 54 Rating, Add.....	682.65	
			For Class 55 Rating, Add.....	1,019.79	
			For Class 56 Rating, Add.....	1,352.43	
40 05 19 00-3292	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,629.18	528.77
			For Class 52 Rating, Deduct.....	-531.08	
			For Class 54 Rating, Add.....	733.82	
			For Class 55 Rating, Add.....	1,095.88	
			For Class 56 Rating, Add.....	1,453.11	
40 05 19 00-3293	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,974.47	531.76
			For Class 52 Rating, Deduct.....	-568.56	
			For Class 54 Rating, Add.....	784.98	
			For Class 55 Rating, Add.....	1,171.97	
			For Class 56 Rating, Add.....	1,553.79	
40 05 19 00-3294	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,319.76	534.77
			For Class 52 Rating, Deduct.....	-606.05	
			For Class 54 Rating, Add.....	836.15	
			For Class 55 Rating, Add.....	1,248.06	
			For Class 56 Rating, Add.....	1,654.47	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3295	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,665.04	537.77
		For Class 52 Rating, Deduct	-643.53	
		For Class 54 Rating, Add	887.31	
		For Class 55 Rating, Add	1,324.16	
		For Class 56 Rating, Add	1,755.15	
40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,010.32	540.78
		For Class 52 Rating, Deduct	-681.01	
		For Class 54 Rating, Add	938.48	
		For Class 55 Rating, Add	1,400.25	
		For Class 56 Rating, Add	1,855.83	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,355.60	543.77
		For Class 52 Rating, Deduct	-718.49	
		For Class 54 Rating, Add	989.64	
		For Class 55 Rating, Add	1,476.34	
		For Class 56 Rating, Add	1,956.51	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,700.89	546.79
		For Class 52 Rating, Deduct	-755.97	
		For Class 54 Rating, Add	1,040.80	
		For Class 55 Rating, Add	1,552.43	
		For Class 56 Rating, Add	2,057.19	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,046.17	549.80
		For Class 52 Rating, Deduct	-793.45	
		For Class 54 Rating, Add	1,091.97	
		For Class 55 Rating, Add	1,628.52	
		For Class 56 Rating, Add	2,157.87	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,391.45	552.79
		For Class 52 Rating, Deduct	-830.93	
		For Class 54 Rating, Add	1,143.13	
		For Class 55 Rating, Add	1,704.62	
		For Class 56 Rating, Add	2,258.55	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,736.73	555.80
		For Class 52 Rating, Deduct	-868.41	
		For Class 54 Rating, Add	1,194.30	
		For Class 55 Rating, Add	1,780.71	
		For Class 56 Rating, Add	2,359.23	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,082.02	558.80
		For Class 52 Rating, Deduct	-905.89	
		For Class 54 Rating, Add	1,245.46	
		For Class 55 Rating, Add	1,856.80	
		For Class 56 Rating, Add	2,459.91	
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,427.30	561.82
		For Class 52 Rating, Deduct	-943.37	
		For Class 54 Rating, Add	1,296.63	
		For Class 55 Rating, Add	1,932.89	
		For Class 56 Rating, Add	2,560.58	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	9,772.59	564.81
		For Class 52 Rating, Deduct	-980.85	
		For Class 54 Rating, Add	1,347.79	
		For Class 55 Rating, Add	2,008.99	
		For Class 56 Rating, Add	2,661.27	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	10,117.87	567.82
		For Class 52 Rating, Deduct	-1,018.33	
		For Class 54 Rating, Add	1,398.95	
		For Class 55 Rating, Add	2,085.08	
		For Class 56 Rating, Add	2,761.95	
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	10,463.15	570.82
		For Class 52 Rating, Deduct	-1,055.81	
		For Class 54 Rating, Add	1,450.12	
		For Class 55 Rating, Add	2,161.17	
		For Class 56 Rating, Add	2,862.63	
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	10,808.43	573.83
		For Class 52 Rating, Deduct	-1,093.29	
		For Class 54 Rating, Add	1,501.28	
		For Class 55 Rating, Add	2,237.26	
		For Class 56 Rating, Add	2,963.30	
40 05 19 00-3308	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,153.71	576.82
		For Class 52 Rating, Deduct	-1,130.77	
		For Class 54 Rating, Add	1,552.45	
		For Class 55 Rating, Add	2,313.36	
		For Class 56 Rating, Add	3,063.98	
40 05 19 00-3309	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,498.99	579.84
		For Class 52 Rating, Deduct	-1,168.25	
		For Class 54 Rating, Add	1,603.61	
		For Class 55 Rating, Add	2,389.45	
		For Class 56 Rating, Add	3,164.66	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3310	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,844.27	582.84
		For Class 52 Rating, Deduct.....	-1,205.73	
		For Class 54 Rating, Add.....	1,654.78	
		For Class 55 Rating, Add.....	2,465.54	
		For Class 56 Rating, Add.....	3,265.34	
40 05 19 00-3311	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,189.56	585.84
		For Class 52 Rating, Deduct.....	-1,243.21	
		For Class 54 Rating, Add.....	1,705.94	
		For Class 55 Rating, Add.....	2,541.63	
		For Class 56 Rating, Add.....	3,366.02	
40 05 19 00-3312	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,534.84	588.84
		For Class 52 Rating, Deduct.....	-1,280.69	
		For Class 54 Rating, Add.....	1,757.10	
		For Class 55 Rating, Add.....	2,617.72	
		For Class 56 Rating, Add.....	3,466.70	
40 05 19 00-3313	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,880.12	591.85
		For Class 52 Rating, Deduct.....	-1,318.17	
		For Class 54 Rating, Add.....	1,808.27	
		For Class 55 Rating, Add.....	2,693.82	
		For Class 56 Rating, Add.....	3,567.38	
40 05 19 00-3314	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,225.40	594.87
		For Class 52 Rating, Deduct.....	-1,355.65	
		For Class 54 Rating, Add.....	1,859.43	
		For Class 55 Rating, Add.....	2,769.91	
		For Class 56 Rating, Add.....	3,668.06	
40 05 19 00-3315	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,570.70	597.86
		For Class 52 Rating, Deduct.....	-1,393.13	
		For Class 54 Rating, Add.....	1,910.60	
		For Class 55 Rating, Add.....	2,846.00	
		For Class 56 Rating, Add.....	3,768.74	
40 05 19 00-3316	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,915.98	600.87
		For Class 52 Rating, Deduct.....	-1,430.61	
		For Class 54 Rating, Add.....	1,961.76	
		For Class 55 Rating, Add.....	2,922.09	
		For Class 56 Rating, Add.....	3,869.42	
40 05 19 00-3317	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,261.26	603.87
		For Class 52 Rating, Deduct.....	-1,468.09	
		For Class 54 Rating, Add.....	2,012.93	
		For Class 55 Rating, Add.....	2,998.19	
		For Class 56 Rating, Add.....	3,970.10	
40 05 19 00-3318	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,606.54	606.87
		For Class 52 Rating, Deduct.....	-1,505.57	
		For Class 54 Rating, Add.....	2,064.09	
		For Class 55 Rating, Add.....	3,074.28	
		For Class 56 Rating, Add.....	4,070.78	
40 05 19 00-3319	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,951.83	609.87
		For Class 52 Rating, Deduct.....	-1,543.05	
		For Class 54 Rating, Add.....	2,115.25	
		For Class 55 Rating, Add.....	3,150.37	
		For Class 56 Rating, Add.....	4,171.46	
40 05 19 00-3320	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,297.11	612.89
		For Class 52 Rating, Deduct.....	-1,580.54	
		For Class 54 Rating, Add.....	2,166.42	
		For Class 55 Rating, Add.....	3,226.46	
		For Class 56 Rating, Add.....	4,272.14	
40 05 19 00-3321	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,642.39	615.89
		For Class 52 Rating, Deduct.....	-1,618.02	
		For Class 54 Rating, Add.....	2,217.58	
		For Class 55 Rating, Add.....	3,302.55	
		For Class 56 Rating, Add.....	4,372.82	
40 05 19 00-3322		16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)		
40 05 19 00-3323	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,353.41	576.82
		For Class 52 Rating, Deduct.....	-272.74	
		For Class 54 Rating, Add.....	382.40	
		For Class 55 Rating, Add.....	573.89	
		For Class 56 Rating, Add.....	762.90	
40 05 19 00-3324	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,753.45	579.84
		For Class 52 Rating, Deduct.....	-316.24	
		For Class 54 Rating, Add.....	441.78	
		For Class 55 Rating, Add.....	662.19	
		For Class 56 Rating, Add.....	879.73	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	4,153.49	582.84
		Coat, Ductile Iron Pipe.....	-359.75	
		For Class 52 Rating, Deduct	501.16	
		For Class 54 Rating, Add	750.50	
		For Class 55 Rating, Add	996.56	
		For Class 56 Rating, Add		
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	4,553.54	585.84
		Coat, Ductile Iron Pipe.....	-403.25	
		For Class 52 Rating, Deduct	560.54	
		For Class 54 Rating, Add	838.80	
		For Class 55 Rating, Add	1,113.40	
		For Class 56 Rating, Add		
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	4,953.58	588.84
		Coat, Ductile Iron Pipe.....	-446.75	
		For Class 52 Rating, Deduct	619.91	
		For Class 54 Rating, Add	927.10	
		For Class 55 Rating, Add	1,230.23	
		For Class 56 Rating, Add		
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	5,353.62	591.85
		Coat, Ductile Iron Pipe.....	-490.26	
		For Class 52 Rating, Deduct	679.29	
		For Class 54 Rating, Add	1,015.41	
		For Class 55 Rating, Add	1,347.06	
		For Class 56 Rating, Add		
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	5,753.66	594.87
		Coat, Ductile Iron Pipe.....	-533.76	
		For Class 52 Rating, Deduct	738.67	
		For Class 54 Rating, Add	1,103.71	
		For Class 55 Rating, Add	1,463.90	
		For Class 56 Rating, Add		
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	6,153.71	597.86
		Coat, Ductile Iron Pipe.....	-577.26	
		For Class 52 Rating, Deduct	798.05	
		For Class 54 Rating, Add	1,192.01	
		For Class 55 Rating, Add	1,580.73	
		For Class 56 Rating, Add		
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	6,553.76	600.87
		Coat, Ductile Iron Pipe.....	-620.77	
		For Class 52 Rating, Deduct	857.43	
		For Class 54 Rating, Add	1,280.32	
		For Class 55 Rating, Add	1,697.57	
		For Class 56 Rating, Add		
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	6,953.80	603.87
		Coat, Ductile Iron Pipe.....	-664.27	
		For Class 52 Rating, Deduct	916.81	
		For Class 54 Rating, Add	1,368.62	
		For Class 55 Rating, Add	1,814.40	
		For Class 56 Rating, Add		
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	7,353.84	606.87
		Coat, Ductile Iron Pipe.....	-707.78	
		For Class 52 Rating, Deduct	976.19	
		For Class 54 Rating, Add	1,456.93	
		For Class 55 Rating, Add	1,931.23	
		For Class 56 Rating, Add		
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	7,753.89	609.87
		Coat, Ductile Iron Pipe.....	-751.28	
		For Class 52 Rating, Deduct	1,035.56	
		For Class 54 Rating, Add	1,545.23	
		For Class 55 Rating, Add	2,048.07	
		For Class 56 Rating, Add		
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	8,153.93	612.89
		Coat, Ductile Iron Pipe.....	-794.79	
		For Class 52 Rating, Deduct	1,094.94	
		For Class 54 Rating, Add	1,633.53	
		For Class 55 Rating, Add	2,164.90	
		For Class 56 Rating, Add		
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	8,553.97	615.89
		Coat, Ductile Iron Pipe.....	-838.29	
		For Class 52 Rating, Deduct	1,154.32	
		For Class 54 Rating, Add	1,721.84	
		For Class 55 Rating, Add	2,281.73	
		For Class 56 Rating, Add		
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	8,954.01	618.89
		Coat, Ductile Iron Pipe.....	-881.79	
		For Class 52 Rating, Deduct	1,213.70	
		For Class 54 Rating, Add	1,810.14	
		For Class 55 Rating, Add	2,398.57	
		For Class 56 Rating, Add		
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	9,354.06	621.89
		Coat, Ductile Iron Pipe.....	-925.30	
		For Class 52 Rating, Deduct	1,273.08	
		For Class 54 Rating, Add	1,898.44	
		For Class 55 Rating, Add	2,515.40	
		For Class 56 Rating, Add		
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	9,754.10	624.90
		Coat, Ductile Iron Pipe.....	-968.80	
		For Class 52 Rating, Deduct	1,332.45	
		For Class 54 Rating, Add	1,986.75	
		For Class 55 Rating, Add	2,632.23	
		For Class 56 Rating, Add		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3340	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,154.15	627.89
			For Class 52 Rating, Deduct	-1,012.31	
			For Class 54 Rating, Add	1,391.83	
			For Class 55 Rating, Add	2,075.05	
			For Class 56 Rating, Add	2,749.07	
40 05 19 00-3341	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,554.19	630.90
			For Class 52 Rating, Deduct	-1,055.81	
			For Class 54 Rating, Add	1,451.21	
			For Class 55 Rating, Add	2,163.36	
			For Class 56 Rating, Add	2,865.90	
40 05 19 00-3342	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,954.24	633.92
			For Class 52 Rating, Deduct	-1,099.31	
			For Class 54 Rating, Add	1,510.59	
			For Class 55 Rating, Add	2,251.66	
			For Class 56 Rating, Add	2,982.74	
40 05 19 00-3343	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,354.28	636.92
			For Class 52 Rating, Deduct	-1,142.82	
			For Class 54 Rating, Add	1,569.97	
			For Class 55 Rating, Add	2,339.96	
			For Class 56 Rating, Add	3,099.57	
40 05 19 00-3344	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,754.32	639.92
			For Class 52 Rating, Deduct	-1,186.32	
			For Class 54 Rating, Add	1,629.35	
			For Class 55 Rating, Add	2,428.27	
			For Class 56 Rating, Add	3,216.40	
40 05 19 00-3345	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,154.36	642.92
			For Class 52 Rating, Deduct	-1,229.83	
			For Class 54 Rating, Add	1,688.72	
			For Class 55 Rating, Add	2,516.57	
			For Class 56 Rating, Add	3,333.24	
40 05 19 00-3346	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,554.41	645.93
			For Class 52 Rating, Deduct	-1,273.33	
			For Class 54 Rating, Add	1,748.10	
			For Class 55 Rating, Add	2,604.87	
			For Class 56 Rating, Add	3,450.07	
40 05 19 00-3347	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,954.44	648.94
			For Class 52 Rating, Deduct	-1,316.83	
			For Class 54 Rating, Add	1,807.48	
			For Class 55 Rating, Add	2,693.18	
			For Class 56 Rating, Add	3,566.90	
40 05 19 00-3348	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,354.49	651.94
			For Class 52 Rating, Deduct	-1,360.34	
			For Class 54 Rating, Add	1,866.86	
			For Class 55 Rating, Add	2,781.48	
			For Class 56 Rating, Add	3,683.74	
40 05 19 00-3349	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,754.53	654.94
			For Class 52 Rating, Deduct	-1,403.84	
			For Class 54 Rating, Add	1,926.24	
			For Class 55 Rating, Add	2,869.79	
			For Class 56 Rating, Add	3,800.57	
40 05 19 00-3350	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,154.57	657.95
			For Class 52 Rating, Deduct	-1,447.35	
			For Class 54 Rating, Add	1,985.62	
			For Class 55 Rating, Add	2,958.09	
			For Class 56 Rating, Add	3,917.41	
40 05 19 00-3351	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,554.62	660.94
			For Class 52 Rating, Deduct	-1,490.85	
			For Class 54 Rating, Add	2,044.99	
			For Class 55 Rating, Add	3,046.39	
			For Class 56 Rating, Add	4,034.24	
40 05 19 00-3352	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,954.66	663.95
			For Class 52 Rating, Deduct	-1,534.35	
			For Class 54 Rating, Add	2,104.37	
			For Class 55 Rating, Add	3,134.70	
			For Class 56 Rating, Add	4,151.07	
40 05 19 00-3353	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	15,354.70	666.97
			For Class 52 Rating, Deduct	-1,577.86	
			For Class 54 Rating, Add	2,163.75	
			For Class 55 Rating, Add	3,223.00	
			For Class 56 Rating, Add	4,267.91	
40 05 19 00-3354	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	15,754.74	669.97
			For Class 52 Rating, Deduct	-1,621.36	
			For Class 54 Rating, Add	2,223.13	
			For Class 55 Rating, Add	3,311.30	
			For Class 56 Rating, Add	4,384.74	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3355	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,154.79	672.97
		For Class 52 Rating, Deduct	-1,664.87	
		For Class 54 Rating, Add	2,282.51	
		For Class 55 Rating, Add	3,399.61	
		For Class 56 Rating, Add	4,501.57	
40 05 19 00-3356	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,554.84	675.97
		For Class 52 Rating, Deduct	-1,708.37	
		For Class 54 Rating, Add	2,341.89	
		For Class 55 Rating, Add	3,487.91	
		For Class 56 Rating, Add	4,618.41	
40 05 19 00-3357	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,954.88	678.98
		For Class 52 Rating, Deduct	-1,751.87	
		For Class 54 Rating, Add	2,401.26	
		For Class 55 Rating, Add	3,576.22	
		For Class 56 Rating, Add	4,735.24	
40 05 19 00-3358	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,354.92	681.97
		For Class 52 Rating, Deduct	-1,795.38	
		For Class 54 Rating, Add	2,460.64	
		For Class 55 Rating, Add	3,664.52	
		For Class 56 Rating, Add	4,852.08	
40 05 19 00-3359	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,754.97	684.99
		For Class 52 Rating, Deduct	-1,838.88	
		For Class 54 Rating, Add	2,520.02	
		For Class 55 Rating, Add	3,752.82	
		For Class 56 Rating, Add	4,968.91	
40 05 19 00-3360	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	18,155.01	687.99
		For Class 52 Rating, Deduct	-1,882.39	
		For Class 54 Rating, Add	2,579.40	
		For Class 55 Rating, Add	3,841.13	
		For Class 56 Rating, Add	5,085.74	

40 05 19 00-3361 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-3082)

40 05 19 00-3362	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	3,890.39	650.14
		For Class 52 Rating, Deduct	-319.59	
		For Class 54 Rating, Add	447.62	
		For Class 55 Rating, Add	671.53	
		For Class 56 Rating, Add	892.54	
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,351.28	653.14
		For Class 52 Rating, Deduct	-369.78	
		For Class 54 Rating, Add	516.13	
		For Class 55 Rating, Add	773.41	
		For Class 56 Rating, Add	1,027.32	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	4,812.17	656.14
		For Class 52 Rating, Deduct	-419.98	
		For Class 54 Rating, Add	584.63	
		For Class 55 Rating, Add	875.28	
		For Class 56 Rating, Add	1,162.10	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,273.06	659.15
		For Class 52 Rating, Deduct	-470.18	
		For Class 54 Rating, Add	653.14	
		For Class 55 Rating, Add	977.15	
		For Class 56 Rating, Add	1,296.89	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,733.94	662.16
		For Class 52 Rating, Deduct	-520.37	
		For Class 54 Rating, Add	721.64	
		For Class 55 Rating, Add	1,079.02	
		For Class 56 Rating, Add	1,431.67	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,194.83	665.15
		For Class 52 Rating, Deduct	-570.57	
		For Class 54 Rating, Add	790.15	
		For Class 55 Rating, Add	1,180.89	
		For Class 56 Rating, Add	1,566.45	
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,655.73	668.16
		For Class 52 Rating, Deduct	-620.77	
		For Class 54 Rating, Add	858.65	
		For Class 55 Rating, Add	1,282.77	
		For Class 56 Rating, Add	1,701.24	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,116.61	671.16
		For Class 52 Rating, Deduct	-670.97	
		For Class 54 Rating, Add	927.16	
		For Class 55 Rating, Add	1,384.64	
		For Class 56 Rating, Add	1,836.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3370	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,577.50	674.18
			For Class 52 Rating, Deduct.....	-721.16	
			For Class 54 Rating, Add.....	995.66	
			For Class 55 Rating, Add.....	1,486.51	
			For Class 56 Rating, Add.....	1,970.80	
40 05 19 00-3371	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	8,038.38	677.17
			For Class 52 Rating, Deduct.....	-771.36	
			For Class 54 Rating, Add.....	1,064.17	
			For Class 55 Rating, Add.....	1,588.38	
			For Class 56 Rating, Add.....	2,105.58	
40 05 19 00-3372	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	8,499.27	680.18
			For Class 52 Rating, Deduct.....	-821.56	
			For Class 54 Rating, Add.....	1,132.67	
			For Class 55 Rating, Add.....	1,690.25	
			For Class 56 Rating, Add.....	2,240.37	
40 05 19 00-3373	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	8,960.17	683.19
			For Class 52 Rating, Deduct.....	-871.75	
			For Class 54 Rating, Add.....	1,201.18	
			For Class 55 Rating, Add.....	1,792.13	
			For Class 56 Rating, Add.....	2,375.15	
40 05 19 00-3374	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,421.05	686.18
			For Class 52 Rating, Deduct.....	-921.95	
			For Class 54 Rating, Add.....	1,269.68	
			For Class 55 Rating, Add.....	1,894.00	
			For Class 56 Rating, Add.....	2,509.93	
40 05 19 00-3375	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,881.94	689.19
			For Class 52 Rating, Deduct.....	-972.15	
			For Class 54 Rating, Add.....	1,338.19	
			For Class 55 Rating, Add.....	1,995.87	
			For Class 56 Rating, Add.....	2,644.72	
40 05 19 00-3376	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,342.82	692.19
			For Class 52 Rating, Deduct.....	-1,022.34	
			For Class 54 Rating, Add.....	1,406.69	
			For Class 55 Rating, Add.....	2,097.74	
			For Class 56 Rating, Add.....	2,779.50	
40 05 19 00-3377	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,803.72	695.21
			For Class 52 Rating, Deduct.....	-1,072.54	
			For Class 54 Rating, Add.....	1,475.20	
			For Class 55 Rating, Add.....	2,199.61	
			For Class 56 Rating, Add.....	2,914.28	
40 05 19 00-3378	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,264.61	698.20
			For Class 52 Rating, Deduct.....	-1,122.74	
			For Class 54 Rating, Add.....	1,543.70	
			For Class 55 Rating, Add.....	2,301.49	
			For Class 56 Rating, Add.....	3,049.07	
40 05 19 00-3379	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,725.49	701.21
			For Class 52 Rating, Deduct.....	-1,172.94	
			For Class 54 Rating, Add.....	1,612.21	
			For Class 55 Rating, Add.....	2,403.36	
			For Class 56 Rating, Add.....	3,183.85	
40 05 19 00-3380	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,186.38	704.21
			For Class 52 Rating, Deduct.....	-1,223.13	
			For Class 54 Rating, Add.....	1,680.71	
			For Class 55 Rating, Add.....	2,505.23	
			For Class 56 Rating, Add.....	3,318.63	
40 05 19 00-3381	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,647.27	707.21
			For Class 52 Rating, Deduct.....	-1,273.33	
			For Class 54 Rating, Add.....	1,749.22	
			For Class 55 Rating, Add.....	2,607.10	
			For Class 56 Rating, Add.....	3,453.41	
40 05 19 00-3382	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,108.16	710.21
			For Class 52 Rating, Deduct.....	-1,323.53	
			For Class 54 Rating, Add.....	1,817.72	
			For Class 55 Rating, Add.....	2,708.98	
			For Class 56 Rating, Add.....	3,588.20	
40 05 19 00-3383	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,569.05	713.23
			For Class 52 Rating, Deduct.....	-1,373.72	
			For Class 54 Rating, Add.....	1,886.23	
			For Class 55 Rating, Add.....	2,810.85	
			For Class 56 Rating, Add.....	3,722.98	
40 05 19 00-3384	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,029.93	716.24
			For Class 52 Rating, Deduct.....	-1,423.92	
			For Class 54 Rating, Add.....	1,954.73	
			For Class 55 Rating, Add.....	2,912.72	
			For Class 56 Rating, Add.....	3,857.76	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3385	EA	18" Flanged x Plain End (F _x PE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,490.83	719.23
		For Class 52 Rating, Deduct	-1,474.12	
		For Class 54 Rating, Add	2,023.24	
		For Class 55 Rating, Add	3,014.59	
		For Class 56 Rating, Add	3,992.55	
40 05 19 00-3386	EA	18" Flanged x Plain End (F _x PE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,951.71	722.24
		For Class 52 Rating, Deduct	-1,524.31	
		For Class 54 Rating, Add	2,091.74	
		For Class 55 Rating, Add	3,116.46	
		For Class 56 Rating, Add	4,127.33	
40 05 19 00-3387	EA	18" Flanged x Plain End (F _x PE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,412.60	725.24
		For Class 52 Rating, Deduct	-1,574.51	
		For Class 54 Rating, Add	2,160.25	
		For Class 55 Rating, Add	3,218.34	
		For Class 56 Rating, Add	4,262.11	
40 05 19 00-3388	EA	18" Flanged x Plain End (F _x PE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,873.48	728.26
		For Class 52 Rating, Deduct	-1,624.71	
		For Class 54 Rating, Add	2,228.75	
		For Class 55 Rating, Add	3,320.21	
		For Class 56 Rating, Add	4,396.90	
40 05 19 00-3389	EA	18" Flanged x Plain End (F _x PE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,334.37	731.25
		For Class 52 Rating, Deduct	-1,674.91	
		For Class 54 Rating, Add	2,297.26	
		For Class 55 Rating, Add	3,422.08	
		For Class 56 Rating, Add	4,531.68	
40 05 19 00-3390	EA	18" Flanged x Plain End (F _x PE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,795.26	734.26
		For Class 52 Rating, Deduct	-1,725.10	
		For Class 54 Rating, Add	2,365.76	
		For Class 55 Rating, Add	3,523.95	
		For Class 56 Rating, Add	4,666.46	
40 05 19 00-3391	EA	18" Flanged x Plain End (F _x PE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,256.14	737.26
		For Class 52 Rating, Deduct	-1,775.30	
		For Class 54 Rating, Add	2,434.27	
		For Class 55 Rating, Add	3,625.82	
		For Class 56 Rating, Add	4,801.24	
40 05 19 00-3392	EA	18" Flanged x Plain End (F _x PE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,717.03	740.26
		For Class 52 Rating, Deduct	-1,825.50	
		For Class 54 Rating, Add	2,502.77	
		For Class 55 Rating, Add	3,727.70	
		For Class 56 Rating, Add	4,936.03	
40 05 19 00-3393	EA	18" Flanged x Plain End (F _x PE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	18,177.93	743.26
		For Class 52 Rating, Deduct	-1,875.69	
		For Class 54 Rating, Add	2,571.28	
		For Class 55 Rating, Add	3,829.57	
		For Class 56 Rating, Add	5,070.81	
40 05 19 00-3394	EA	18" Flanged x Plain End (F _x PE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	18,638.81	746.28
		For Class 52 Rating, Deduct	-1,925.89	
		For Class 54 Rating, Add	2,639.78	
		For Class 55 Rating, Add	3,931.44	
		For Class 56 Rating, Add	5,205.59	
40 05 19 00-3395	EA	18" Flanged x Plain End (F _x PE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	19,099.70	749.28
		For Class 52 Rating, Deduct	-1,976.09	
		For Class 54 Rating, Add	2,708.29	
		For Class 55 Rating, Add	4,033.31	
		For Class 56 Rating, Add	5,340.38	
40 05 19 00-3396	EA	18" Flanged x Plain End (F _x PE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	19,560.58	752.28
		For Class 52 Rating, Deduct	-2,026.28	
		For Class 54 Rating, Add	2,776.79	
		For Class 55 Rating, Add	4,135.19	
		For Class 56 Rating, Add	5,475.16	
40 05 19 00-3397	EA	18" Flanged x Plain End (F _x PE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	20,021.47	755.28
		For Class 52 Rating, Deduct	-2,076.48	
		For Class 54 Rating, Add	2,845.30	
		For Class 55 Rating, Add	4,237.06	
		For Class 56 Rating, Add	5,609.94	
40 05 19 00-3398	EA	18" Flanged x Plain End (F _x PE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	20,482.37	758.29
		For Class 52 Rating, Deduct	-2,126.68	
		For Class 54 Rating, Add	2,913.80	
		For Class 55 Rating, Add	4,338.93	
		For Class 56 Rating, Add	5,744.73	
40 05 19 00-3399	EA	18" Flanged x Plain End (F _x PE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	20,943.25	761.29
		For Class 52 Rating, Deduct	-2,176.87	
		For Class 54 Rating, Add	2,982.31	
		For Class 55 Rating, Add	4,440.80	
		For Class 56 Rating, Add	5,879.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3400 20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe					
(40 05 19 00-3082)					
40 05 19 00-3401	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,531.65	742.07
			For Class 52 Rating, Deduct.....	-374.80	
			For Class 54 Rating, Add.....	524.59	
			For Class 55 Rating, Add.....	786.81	
			For Class 56 Rating, Add.....	1,045.63	
40 05 19 00-3402	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,056.42	745.08
			For Class 52 Rating, Deduct.....	-432.03	
			For Class 54 Rating, Add.....	602.68	
			For Class 55 Rating, Add.....	902.93	
			For Class 56 Rating, Add.....	1,199.26	
40 05 19 00-3403	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,581.20	748.07
			For Class 52 Rating, Deduct.....	-489.25	
			For Class 54 Rating, Add.....	680.76	
			For Class 55 Rating, Add.....	1,019.05	
			For Class 56 Rating, Add.....	1,352.89	
40 05 19 00-3404	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,105.98	751.08
			For Class 52 Rating, Deduct.....	-546.48	
			For Class 54 Rating, Add.....	758.85	
			For Class 55 Rating, Add.....	1,135.17	
			For Class 56 Rating, Add.....	1,506.52	
40 05 19 00-3405	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,630.75	754.09
			For Class 52 Rating, Deduct.....	-603.70	
			For Class 54 Rating, Add.....	836.94	
			For Class 55 Rating, Add.....	1,251.29	
			For Class 56 Rating, Add.....	1,660.15	
40 05 19 00-3406	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,155.52	757.09
			For Class 52 Rating, Deduct.....	-660.93	
			For Class 54 Rating, Add.....	915.03	
			For Class 55 Rating, Add.....	1,367.41	
			For Class 56 Rating, Add.....	1,813.78	
40 05 19 00-3407	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,680.31	760.09
			For Class 52 Rating, Deduct.....	-718.15	
			For Class 54 Rating, Add.....	993.12	
			For Class 55 Rating, Add.....	1,483.53	
			For Class 56 Rating, Add.....	1,967.41	
40 05 19 00-3408	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,205.08	763.10
			For Class 52 Rating, Deduct.....	-775.38	
			For Class 54 Rating, Add.....	1,071.21	
			For Class 55 Rating, Add.....	1,599.65	
			For Class 56 Rating, Add.....	2,121.04	
40 05 19 00-3409	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,729.85	766.10
			For Class 52 Rating, Deduct.....	-832.60	
			For Class 54 Rating, Add.....	1,149.29	
			For Class 55 Rating, Add.....	1,715.77	
			For Class 56 Rating, Add.....	2,274.67	
40 05 19 00-3410	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,254.63	769.10
			For Class 52 Rating, Deduct.....	-889.83	
			For Class 54 Rating, Add.....	1,227.38	
			For Class 55 Rating, Add.....	1,831.89	
			For Class 56 Rating, Add.....	2,428.30	
40 05 19 00-3411	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,779.41	772.11
			For Class 52 Rating, Deduct.....	-947.05	
			For Class 54 Rating, Add.....	1,305.47	
			For Class 55 Rating, Add.....	1,948.00	
			For Class 56 Rating, Add.....	2,581.93	
40 05 19 00-3412	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,304.18	775.12
			For Class 52 Rating, Deduct.....	-1,004.27	
			For Class 54 Rating, Add.....	1,383.56	
			For Class 55 Rating, Add.....	2,064.12	
			For Class 56 Rating, Add.....	2,735.56	
40 05 19 00-3413	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,828.96	778.11
			For Class 52 Rating, Deduct.....	-1,061.50	
			For Class 54 Rating, Add.....	1,461.65	
			For Class 55 Rating, Add.....	2,180.24	
			For Class 56 Rating, Add.....	2,889.19	
40 05 19 00-3414	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,353.73	781.12
			For Class 52 Rating, Deduct.....	-1,118.72	
			For Class 54 Rating, Add.....	1,539.73	
			For Class 55 Rating, Add.....	2,296.36	
			For Class 56 Rating, Add.....	3,042.82	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3415	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	11,878.51	784.12
		For Class 52 Rating, Deduct	-1,175.95	
		For Class 54 Rating, Add	1,617.82	
		For Class 55 Rating, Add	2,412.48	
		For Class 56 Rating, Add	3,196.45	
40 05 19 00-3416	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,403.28	787.14
		For Class 52 Rating, Deduct	-1,233.17	
		For Class 54 Rating, Add	1,695.91	
		For Class 55 Rating, Add	2,528.60	
		For Class 56 Rating, Add	3,350.08	
40 05 19 00-3417	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	12,928.06	790.14
		For Class 52 Rating, Deduct	-1,290.40	
		For Class 54 Rating, Add	1,774.00	
		For Class 55 Rating, Add	2,644.72	
		For Class 56 Rating, Add	3,503.71	
40 05 19 00-3418	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,452.83	793.14
		For Class 52 Rating, Deduct	-1,347.62	
		For Class 54 Rating, Add	1,852.09	
		For Class 55 Rating, Add	2,760.84	
		For Class 56 Rating, Add	3,657.34	
40 05 19 00-3419	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	13,977.61	796.15
		For Class 52 Rating, Deduct	-1,404.85	
		For Class 54 Rating, Add	1,930.17	
		For Class 55 Rating, Add	2,876.96	
		For Class 56 Rating, Add	3,810.97	
40 05 19 00-3420	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	14,502.38	799.15
		For Class 52 Rating, Deduct	-1,462.07	
		For Class 54 Rating, Add	2,008.26	
		For Class 55 Rating, Add	2,993.08	
		For Class 56 Rating, Add	3,964.60	
40 05 19 00-3421	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,027.15	802.15
		For Class 52 Rating, Deduct	-1,519.29	
		For Class 54 Rating, Add	2,086.35	
		For Class 55 Rating, Add	3,109.19	
		For Class 56 Rating, Add	4,118.23	
40 05 19 00-3422	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	15,551.92	805.16
		For Class 52 Rating, Deduct	-1,576.52	
		For Class 54 Rating, Add	2,164.44	
		For Class 55 Rating, Add	3,225.31	
		For Class 56 Rating, Add	4,271.85	
40 05 19 00-3423	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,076.70	808.17
		For Class 52 Rating, Deduct	-1,633.74	
		For Class 54 Rating, Add	2,242.53	
		For Class 55 Rating, Add	3,341.43	
		For Class 56 Rating, Add	4,425.49	
40 05 19 00-3424	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	16,601.48	811.16
		For Class 52 Rating, Deduct	-1,690.97	
		For Class 54 Rating, Add	2,320.61	
		For Class 55 Rating, Add	3,457.55	
		For Class 56 Rating, Add	4,579.12	
40 05 19 00-3425	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,126.25	814.17
		For Class 52 Rating, Deduct	-1,748.19	
		For Class 54 Rating, Add	2,398.70	
		For Class 55 Rating, Add	3,573.67	
		For Class 56 Rating, Add	4,732.74	
40 05 19 00-3426	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	17,651.02	817.17
		For Class 52 Rating, Deduct	-1,805.42	
		For Class 54 Rating, Add	2,476.79	
		For Class 55 Rating, Add	3,689.79	
		For Class 56 Rating, Add	4,886.37	
40 05 19 00-3427	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	18,175.80	820.19
		For Class 52 Rating, Deduct	-1,862.64	
		For Class 54 Rating, Add	2,554.88	
		For Class 55 Rating, Add	3,805.91	
		For Class 56 Rating, Add	5,040.00	
40 05 19 00-3428	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	18,700.58	823.18
		For Class 52 Rating, Deduct	-1,919.87	
		For Class 54 Rating, Add	2,632.97	
		For Class 55 Rating, Add	3,922.03	
		For Class 56 Rating, Add	5,193.63	
40 05 19 00-3429	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	19,225.35	826.19
		For Class 52 Rating, Deduct	-1,977.09	
		For Class 54 Rating, Add	2,711.05	
		For Class 55 Rating, Add	4,038.14	
		For Class 56 Rating, Add	5,347.26	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3430	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	19,750.13	829.20
		For Class 52 Rating, Deduct	-2,034.32	
		For Class 54 Rating, Add	2,789.14	
		For Class 55 Rating, Add	4,154.27	
		For Class 56 Rating, Add	5,500.89	
40 05 19 00-3431	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	20,274.90	832.19
		For Class 52 Rating, Deduct	-2,091.54	
		For Class 54 Rating, Add	2,867.23	
		For Class 55 Rating, Add	4,270.38	
		For Class 56 Rating, Add	5,654.52	
40 05 19 00-3432	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	20,799.68	835.20
		For Class 52 Rating, Deduct	-2,148.76	
		For Class 54 Rating, Add	2,945.32	
		For Class 55 Rating, Add	4,386.50	
		For Class 56 Rating, Add	5,808.15	
40 05 19 00-3433	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	21,324.46	838.21
		For Class 52 Rating, Deduct	-2,205.99	
		For Class 54 Rating, Add	3,023.41	
		For Class 55 Rating, Add	4,502.62	
		For Class 56 Rating, Add	5,961.78	
40 05 19 00-3434	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	21,849.23	841.22
		For Class 52 Rating, Deduct	-2,263.21	
		For Class 54 Rating, Add	3,101.50	
		For Class 55 Rating, Add	4,618.74	
		For Class 56 Rating, Add	6,115.41	
40 05 19 00-3435	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	22,374.00	844.21
		For Class 52 Rating, Deduct	-2,320.44	
		For Class 54 Rating, Add	3,179.58	
		For Class 55 Rating, Add	4,734.66	
		For Class 56 Rating, Add	6,269.04	
40 05 19 00-3436	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	22,898.79	847.22
		For Class 52 Rating, Deduct	-2,377.66	
		For Class 54 Rating, Add	3,257.67	
		For Class 55 Rating, Add	4,850.98	
		For Class 56 Rating, Add	6,422.67	
40 05 19 00-3437	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	23,423.56	850.22
		For Class 52 Rating, Deduct	-2,434.89	
		For Class 54 Rating, Add	3,335.76	
		For Class 55 Rating, Add	4,967.10	
		For Class 56 Rating, Add	6,576.30	
40 05 19 00-3438	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	23,948.33	853.22
		For Class 52 Rating, Deduct	-2,492.11	
		For Class 54 Rating, Add	3,413.85	
		For Class 55 Rating, Add	5,083.22	
		For Class 56 Rating, Add	6,729.93	
40 05 19 00-3439		24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)		
40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	5,582.23	877.26
		For Class 52 Rating, Deduct	-467.84	
		For Class 54 Rating, Add	653.91	
		For Class 55 Rating, Add	980.33	
		For Class 56 Rating, Add	1,302.50	
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,231.74	880.27
		For Class 52 Rating, Deduct	-538.78	
		For Class 54 Rating, Add	750.71	
		For Class 55 Rating, Add	1,124.27	
		For Class 56 Rating, Add	1,492.93	
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	6,881.24	883.27
		For Class 52 Rating, Deduct	-609.73	
		For Class 54 Rating, Add	847.50	
		For Class 55 Rating, Add	1,268.20	
		For Class 56 Rating, Add	1,683.35	
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	7,530.76	886.27
		For Class 52 Rating, Deduct	-680.67	
		For Class 54 Rating, Add	944.30	
		For Class 55 Rating, Add	1,412.13	
		For Class 56 Rating, Add	1,873.78	
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	8,180.26	889.27
		For Class 52 Rating, Deduct	-751.62	
		For Class 54 Rating, Add	1,041.10	
		For Class 55 Rating, Add	1,556.07	
		For Class 56 Rating, Add	2,064.20	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	8,829.77	892.29
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-822.56	
		For Class 54 Rating, Add	1,137.90	
		For Class 55 Rating, Add	1,700.00	
		For Class 56 Rating, Add	2,254.63	
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	9,479.27	895.29
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-893.51	
		For Class 54 Rating, Add	1,234.69	
		For Class 55 Rating, Add	1,843.94	
		For Class 56 Rating, Add	2,445.05	
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	10,128.79	898.29
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-964.45	
		For Class 54 Rating, Add	1,331.49	
		For Class 55 Rating, Add	1,987.87	
		For Class 56 Rating, Add	2,635.48	
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	10,778.29	901.29
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-1,035.40	
		For Class 54 Rating, Add	1,428.29	
		For Class 55 Rating, Add	2,131.80	
		For Class 56 Rating, Add	2,825.91	
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	11,427.80	904.30
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-1,106.34	
		For Class 54 Rating, Add	1,525.09	
		For Class 55 Rating, Add	2,275.74	
		For Class 56 Rating, Add	3,016.33	
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	12,077.30	907.29
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-1,177.29	
		For Class 54 Rating, Add	1,621.89	
		For Class 55 Rating, Add	2,419.67	
		For Class 56 Rating, Add	3,206.76	
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	12,726.82	910.31
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-1,248.23	
		For Class 54 Rating, Add	1,718.69	
		For Class 55 Rating, Add	2,563.61	
		For Class 56 Rating, Add	3,397.18	
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	13,376.32	913.32
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-1,319.18	
		For Class 54 Rating, Add	1,815.48	
		For Class 55 Rating, Add	2,707.54	
		For Class 56 Rating, Add	3,587.61	
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	14,025.82	916.32
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-1,390.12	
		For Class 54 Rating, Add	1,912.28	
		For Class 55 Rating, Add	2,851.47	
		For Class 56 Rating, Add	3,778.03	
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	14,675.33	919.32
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-1,461.07	
		For Class 54 Rating, Add	2,009.08	
		For Class 55 Rating, Add	2,995.41	
		For Class 56 Rating, Add	3,968.46	
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	15,324.84	922.32
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-1,532.01	
		For Class 54 Rating, Add	2,105.88	
		For Class 55 Rating, Add	3,139.34	
		For Class 56 Rating, Add	4,158.88	
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	15,974.35	925.34
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-1,602.96	
		For Class 54 Rating, Add	2,202.67	
		For Class 55 Rating, Add	3,283.28	
		For Class 56 Rating, Add	4,349.31	
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	16,623.85	928.33
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-1,673.90	
		For Class 54 Rating, Add	2,299.47	
		For Class 55 Rating, Add	3,427.21	
		For Class 56 Rating, Add	4,539.73	
40 05 19 00-3458	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	17,273.36	931.34
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-1,744.85	
		For Class 54 Rating, Add	2,396.27	
		For Class 55 Rating, Add	3,571.15	
		For Class 56 Rating, Add	4,730.16	
40 05 19 00-3459	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	17,922.87	934.34
		Coat, Ductile Iron Pipe.....		
		For Class 52 Rating, Deduct	-1,815.79	
		For Class 54 Rating, Add	2,493.07	
		For Class 55 Rating, Add	3,715.08	
		For Class 56 Rating, Add	4,920.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3460	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	18,572.38	937.35
			For Class 52 Rating, Deduct	-1,886.74	
			For Class 54 Rating, Add	2,589.87	
			For Class 55 Rating, Add	3,859.01	
			For Class 56 Rating, Add	5,111.01	
40 05 19 00-3461	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	19,221.88	940.34
			For Class 52 Rating, Deduct	-1,957.68	
			For Class 54 Rating, Add	2,686.66	
			For Class 55 Rating, Add	4,002.95	
			For Class 56 Rating, Add	5,301.44	
40 05 19 00-3462	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	19,871.39	943.36
			For Class 52 Rating, Deduct	-2,028.63	
			For Class 54 Rating, Add	2,783.46	
			For Class 55 Rating, Add	4,146.88	
			For Class 56 Rating, Add	5,491.86	
40 05 19 00-3463	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	20,520.89	946.37
			For Class 52 Rating, Deduct	-2,099.57	
			For Class 54 Rating, Add	2,880.26	
			For Class 55 Rating, Add	4,290.82	
			For Class 56 Rating, Add	5,682.29	
40 05 19 00-3464	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	21,170.41	949.37
			For Class 52 Rating, Deduct	-2,170.52	
			For Class 54 Rating, Add	2,977.06	
			For Class 55 Rating, Add	4,434.75	
			For Class 56 Rating, Add	5,872.71	
40 05 19 00-3465	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	21,819.90	952.37
			For Class 52 Rating, Deduct	-2,241.46	
			For Class 54 Rating, Add	3,073.85	
			For Class 55 Rating, Add	4,578.68	
			For Class 56 Rating, Add	6,063.14	
40 05 19 00-3466	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	22,469.41	955.37
			For Class 52 Rating, Deduct	-2,312.41	
			For Class 54 Rating, Add	3,170.65	
			For Class 55 Rating, Add	4,722.62	
			For Class 56 Rating, Add	6,253.57	
40 05 19 00-3467	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	23,118.91	958.39
			For Class 52 Rating, Deduct	-2,383.35	
			For Class 54 Rating, Add	3,267.45	
			For Class 55 Rating, Add	4,866.55	
			For Class 56 Rating, Add	6,443.99	
40 05 19 00-3468	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	23,768.43	961.38
			For Class 52 Rating, Deduct	-2,454.30	
			For Class 54 Rating, Add	3,364.25	
			For Class 55 Rating, Add	5,010.49	
			For Class 56 Rating, Add	6,634.42	
40 05 19 00-3469	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	24,495.32	1,015.46
			For Class 52 Rating, Deduct	-2,525.24	
			For Class 54 Rating, Add	3,461.97	
			For Class 55 Rating, Add	5,156.28	
			For Class 56 Rating, Add	6,827.63	
40 05 19 00-3470	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	25,144.83	1,018.46
			For Class 52 Rating, Deduct	-2,596.19	
			For Class 54 Rating, Add	3,558.77	
			For Class 55 Rating, Add	5,300.21	
			For Class 56 Rating, Add	7,018.05	
40 05 19 00-3471	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	25,794.33	1,021.47
			For Class 52 Rating, Deduct	-2,667.13	
			For Class 54 Rating, Add	3,655.57	
			For Class 55 Rating, Add	5,444.15	
			For Class 56 Rating, Add	7,208.48	
40 05 19 00-3472	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	26,443.85	1,024.48
			For Class 52 Rating, Deduct	-2,738.08	
			For Class 54 Rating, Add	3,752.37	
			For Class 55 Rating, Add	5,588.08	
			For Class 56 Rating, Add	7,398.91	
40 05 19 00-3473	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	27,093.34	1,027.47
			For Class 52 Rating, Deduct	-2,809.02	
			For Class 54 Rating, Add	3,849.17	
			For Class 55 Rating, Add	5,732.02	
			For Class 56 Rating, Add	7,589.33	
40 05 19 00-3474	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	30,785.09	1,030.49
			For Class 52 Rating, Deduct	-3,214.61	
			For Class 54 Rating, Add	4,402.30	
			For Class 55 Rating, Add	6,554.37	
			For Class 56 Rating, Add	8,677.22	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3475	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,392.35	1,033.49
		For Class 52 Rating, Deduct	-2,950.91	
		For Class 54 Rating, Add	4,042.76	
		For Class 55 Rating, Add	6,019.88	
		For Class 56 Rating, Add	7,970.18	
40 05 19 00-3476	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,041.87	1,036.49
		For Class 52 Rating, Deduct	-3,021.86	
		For Class 54 Rating, Add	4,139.56	
		For Class 55 Rating, Add	6,163.82	
		For Class 56 Rating, Add	8,160.61	
40 05 19 00-3477	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,691.37	1,039.49
		For Class 52 Rating, Deduct	-3,092.80	
		For Class 54 Rating, Add	4,236.36	
		For Class 55 Rating, Add	6,307.75	
		For Class 56 Rating, Add	8,351.03	

40 05 19 00-3478 30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-3082)

40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,462.78	1,237.79
		For Class 52 Rating, Deduct	-834.61	
		For Class 54 Rating, Add	1,160.61	
		For Class 55 Rating, Add	1,736.99	
		For Class 56 Rating, Add	2,305.78	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,392.17	1,240.78
		For Class 52 Rating, Deduct	-936.34	
		For Class 54 Rating, Add	1,299.39	
		For Class 55 Rating, Add	1,943.34	
		For Class 56 Rating, Add	2,578.78	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,321.56	1,243.79
		For Class 52 Rating, Deduct	-1,038.07	
		For Class 54 Rating, Add	1,438.17	
		For Class 55 Rating, Add	2,149.69	
		For Class 56 Rating, Add	2,851.77	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,250.95	1,246.79
		For Class 52 Rating, Deduct	-1,139.81	
		For Class 54 Rating, Add	1,576.95	
		For Class 55 Rating, Add	2,356.03	
		For Class 56 Rating, Add	3,124.76	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,180.35	1,249.80
		For Class 52 Rating, Deduct	-1,241.54	
		For Class 54 Rating, Add	1,715.73	
		For Class 55 Rating, Add	2,562.38	
		For Class 56 Rating, Add	3,397.75	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,109.74	1,252.79
		For Class 52 Rating, Deduct	-1,343.27	
		For Class 54 Rating, Add	1,854.51	
		For Class 55 Rating, Add	2,768.73	
		For Class 56 Rating, Add	3,670.74	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,039.12	1,255.81
		For Class 52 Rating, Deduct	-1,445.00	
		For Class 54 Rating, Add	1,993.29	
		For Class 55 Rating, Add	2,975.08	
		For Class 56 Rating, Add	3,943.73	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,968.51	1,258.82
		For Class 52 Rating, Deduct	-1,546.74	
		For Class 54 Rating, Add	2,132.07	
		For Class 55 Rating, Add	3,181.43	
		For Class 56 Rating, Add	4,216.72	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,897.91	1,261.81
		For Class 52 Rating, Deduct	-1,648.47	
		For Class 54 Rating, Add	2,270.85	
		For Class 55 Rating, Add	3,387.78	
		For Class 56 Rating, Add	4,489.72	
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,827.31	1,264.82
		For Class 52 Rating, Deduct	-1,750.20	
		For Class 54 Rating, Add	2,409.63	
		For Class 55 Rating, Add	3,594.13	
		For Class 56 Rating, Add	4,762.71	
40 05 19 00-3489	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,756.70	1,267.82
		For Class 52 Rating, Deduct	-1,851.93	
		For Class 54 Rating, Add	2,548.42	
		For Class 55 Rating, Add	3,800.48	
		For Class 56 Rating, Add	5,035.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3490	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	19,686.09	1,270.84
			For Class 52 Rating, Deduct.....	-1,953.67	
			For Class 54 Rating, Add.....	2,687.20	
			For Class 55 Rating, Add.....	4,006.83	
			For Class 56 Rating, Add.....	5,308.69	
40 05 19 00-3491	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	20,615.49	1,273.83
			For Class 52 Rating, Deduct.....	-2,055.40	
			For Class 54 Rating, Add.....	2,825.98	
			For Class 55 Rating, Add.....	4,213.17	
			For Class 56 Rating, Add.....	5,581.69	
40 05 19 00-3492	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	21,544.88	1,276.84
			For Class 52 Rating, Deduct.....	-2,157.13	
			For Class 54 Rating, Add.....	2,964.76	
			For Class 55 Rating, Add.....	4,419.52	
			For Class 56 Rating, Add.....	5,854.68	
40 05 19 00-3493	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	22,474.27	1,279.84
			For Class 52 Rating, Deduct.....	-2,258.86	
			For Class 54 Rating, Add.....	3,103.54	
			For Class 55 Rating, Add.....	4,625.87	
			For Class 56 Rating, Add.....	6,127.67	
40 05 19 00-3494	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	23,403.66	1,282.84
			For Class 52 Rating, Deduct.....	-2,360.60	
			For Class 54 Rating, Add.....	3,242.32	
			For Class 55 Rating, Add.....	4,832.22	
			For Class 56 Rating, Add.....	6,400.66	
40 05 19 00-3495	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	24,333.06	1,285.84
			For Class 52 Rating, Deduct.....	-2,462.33	
			For Class 54 Rating, Add.....	3,381.10	
			For Class 55 Rating, Add.....	5,038.57	
			For Class 56 Rating, Add.....	6,673.65	
40 05 19 00-3496	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	25,262.45	1,288.86
			For Class 52 Rating, Deduct.....	-2,564.06	
			For Class 54 Rating, Add.....	3,519.88	
			For Class 55 Rating, Add.....	5,244.92	
			For Class 56 Rating, Add.....	6,946.64	
40 05 19 00-3497	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	26,191.84	1,291.86
			For Class 52 Rating, Deduct.....	-2,665.79	
			For Class 54 Rating, Add.....	3,658.66	
			For Class 55 Rating, Add.....	5,451.27	
			For Class 56 Rating, Add.....	7,219.64	
40 05 19 00-3498	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	27,121.23	1,294.86
			For Class 52 Rating, Deduct.....	-2,767.53	
			For Class 54 Rating, Add.....	3,797.44	
			For Class 55 Rating, Add.....	5,657.61	
			For Class 56 Rating, Add.....	7,492.63	
40 05 19 00-3499	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	28,050.64	1,297.86
			For Class 52 Rating, Deduct.....	-2,869.26	
			For Class 54 Rating, Add.....	3,936.22	
			For Class 55 Rating, Add.....	5,863.97	
			For Class 56 Rating, Add.....	7,765.62	
40 05 19 00-3500	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	28,980.03	1,300.87
			For Class 52 Rating, Deduct.....	-2,970.99	
			For Class 54 Rating, Add.....	4,075.00	
			For Class 55 Rating, Add.....	6,070.31	
			For Class 56 Rating, Add.....	8,038.61	
40 05 19 00-3501	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	29,909.42	1,303.87
			For Class 52 Rating, Deduct.....	-3,072.72	
			For Class 54 Rating, Add.....	4,213.78	
			For Class 55 Rating, Add.....	6,276.66	
			For Class 56 Rating, Add.....	8,311.61	
40 05 19 00-3502	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	30,838.81	1,306.88
			For Class 52 Rating, Deduct.....	-3,174.46	
			For Class 54 Rating, Add.....	4,352.56	
			For Class 55 Rating, Add.....	6,483.01	
			For Class 56 Rating, Add.....	8,584.60	
40 05 19 00-3503	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	31,768.20	1,309.89
			For Class 52 Rating, Deduct.....	-3,276.19	
			For Class 54 Rating, Add.....	4,491.35	
			For Class 55 Rating, Add.....	6,689.36	
			For Class 56 Rating, Add.....	8,857.59	
40 05 19 00-3504	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	32,697.60	1,312.89
			For Class 52 Rating, Deduct.....	-3,377.92	
			For Class 54 Rating, Add.....	4,630.13	
			For Class 55 Rating, Add.....	6,895.71	
			For Class 56 Rating, Add.....	9,130.58	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3505	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,626.99	1,315.89
		For Class 52 Rating, Deduct	-3,479.65	
		For Class 54 Rating, Add	4,768.91	
		For Class 55 Rating, Add	7,102.06	
		For Class 56 Rating, Add	9,403.57	
40 05 19 00-3506	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,556.38	1,318.89
		For Class 52 Rating, Deduct	-3,581.39	
		For Class 54 Rating, Add	4,907.69	
		For Class 55 Rating, Add	7,308.41	
		For Class 56 Rating, Add	9,676.56	
40 05 19 00-3507	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,485.77	1,321.91
		For Class 52 Rating, Deduct	-3,683.12	
		For Class 54 Rating, Add	5,046.47	
		For Class 55 Rating, Add	7,514.75	
		For Class 56 Rating, Add	9,949.56	
40 05 19 00-3508	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,415.17	1,324.91
		For Class 52 Rating, Deduct	-3,784.85	
		For Class 54 Rating, Add	5,185.25	
		For Class 55 Rating, Add	7,721.10	
		For Class 56 Rating, Add	10,222.55	
40 05 19 00-3509	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,344.57	1,327.91
		For Class 52 Rating, Deduct	-3,886.58	
		For Class 54 Rating, Add	5,324.03	
		For Class 55 Rating, Add	7,927.45	
		For Class 56 Rating, Add	10,495.54	
40 05 19 00-3510	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,273.95	1,330.91
		For Class 52 Rating, Deduct	-3,988.32	
		For Class 54 Rating, Add	5,462.81	
		For Class 55 Rating, Add	8,133.80	
		For Class 56 Rating, Add	10,768.53	
40 05 19 00-3511	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,203.34	1,333.92
		For Class 52 Rating, Deduct	-4,090.05	
		For Class 54 Rating, Add	5,601.59	
		For Class 55 Rating, Add	8,340.15	
		For Class 56 Rating, Add	11,041.53	
40 05 19 00-3512	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	40,132.74	1,336.91
		For Class 52 Rating, Deduct	-4,191.78	
		For Class 54 Rating, Add	5,740.37	
		For Class 55 Rating, Add	8,546.50	
		For Class 56 Rating, Add	11,314.52	
40 05 19 00-3513	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	41,062.13	1,339.93
		For Class 52 Rating, Deduct	-4,293.51	
		For Class 54 Rating, Add	5,879.15	
		For Class 55 Rating, Add	8,752.85	
		For Class 56 Rating, Add	11,587.51	

40 05 19 00-3514 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-3082)

40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,825.34	1,568.26
		For Class 52 Rating, Deduct	-1,039.41	
		For Class 54 Rating, Add	1,445.89	
		For Class 55 Rating, Add	2,164.20	
		For Class 56 Rating, Add	2,873.06	
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,071.12	1,571.27
		For Class 52 Rating, Deduct	-1,175.95	
		For Class 54 Rating, Add	1,632.13	
		For Class 55 Rating, Add	2,441.10	
		For Class 56 Rating, Add	3,239.38	
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,316.92	1,574.26
		For Class 52 Rating, Deduct	-1,312.48	
		For Class 54 Rating, Add	1,818.37	
		For Class 55 Rating, Add	2,718.01	
		For Class 56 Rating, Add	3,605.71	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,562.70	1,577.27
		For Class 52 Rating, Deduct	-1,449.02	
		For Class 54 Rating, Add	2,004.61	
		For Class 55 Rating, Add	2,994.91	
		For Class 56 Rating, Add	3,972.04	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,808.48	1,580.28
		For Class 52 Rating, Deduct	-1,585.55	
		For Class 54 Rating, Add	2,190.85	
		For Class 55 Rating, Add	3,271.82	
		For Class 56 Rating, Add	4,338.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3520	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	18,054.27	1,583.28
			For Class 52 Rating, Deduct	-1,722.09	
			For Class 54 Rating, Add	2,377.09	
			For Class 55 Rating, Add	3,548.72	
			For Class 56 Rating, Add	4,704.69	
40 05 19 00-3521	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	19,300.06	1,586.28
			For Class 52 Rating, Deduct	-1,858.63	
			For Class 54 Rating, Add	2,563.33	
			For Class 55 Rating, Add	3,825.62	
			For Class 56 Rating, Add	5,071.02	
40 05 19 00-3522	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	20,545.84	1,589.29
			For Class 52 Rating, Deduct	-1,995.16	
			For Class 54 Rating, Add	2,749.57	
			For Class 55 Rating, Add	4,102.53	
			For Class 56 Rating, Add	5,437.35	
40 05 19 00-3523	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	21,791.63	1,592.29
			For Class 52 Rating, Deduct	-2,131.70	
			For Class 54 Rating, Add	2,935.81	
			For Class 55 Rating, Add	4,379.43	
			For Class 56 Rating, Add	5,803.68	
40 05 19 00-3524	EA		36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	23,037.41	1,595.29
			For Class 52 Rating, Deduct	-2,268.23	
			For Class 54 Rating, Add	3,122.05	
			For Class 55 Rating, Add	4,656.34	
			For Class 56 Rating, Add	6,170.00	
40 05 19 00-3525	EA		36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	24,283.21	1,598.30
			For Class 52 Rating, Deduct	-2,404.77	
			For Class 54 Rating, Add	3,308.29	
			For Class 55 Rating, Add	4,933.24	
			For Class 56 Rating, Add	6,536.33	
40 05 19 00-3526	EA		36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	25,528.99	1,601.31
			For Class 52 Rating, Deduct	-2,541.30	
			For Class 54 Rating, Add	3,494.53	
			For Class 55 Rating, Add	5,210.15	
			For Class 56 Rating, Add	6,902.66	
40 05 19 00-3527	EA		36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	26,774.77	1,604.30
			For Class 52 Rating, Deduct	-2,677.84	
			For Class 54 Rating, Add	3,680.77	
			For Class 55 Rating, Add	5,487.05	
			For Class 56 Rating, Add	7,268.99	
40 05 19 00-3528	EA		36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	28,020.56	1,607.31
			For Class 52 Rating, Deduct	-2,814.38	
			For Class 54 Rating, Add	3,867.01	
			For Class 55 Rating, Add	5,763.96	
			For Class 56 Rating, Add	7,635.32	
40 05 19 00-3529	EA		36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	29,266.34	1,610.31
			For Class 52 Rating, Deduct	-2,950.91	
			For Class 54 Rating, Add	4,053.25	
			For Class 55 Rating, Add	6,040.86	
			For Class 56 Rating, Add	8,001.64	
40 05 19 00-3530	EA		36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	30,512.14	1,613.32
			For Class 52 Rating, Deduct	-3,087.45	
			For Class 54 Rating, Add	4,239.49	
			For Class 55 Rating, Add	6,317.77	
			For Class 56 Rating, Add	8,367.97	
40 05 19 00-3531	EA		36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	31,757.92	1,616.32
			For Class 52 Rating, Deduct	-3,223.98	
			For Class 54 Rating, Add	4,425.73	
			For Class 55 Rating, Add	6,594.67	
			For Class 56 Rating, Add	8,734.30	
40 05 19 00-3532	EA		36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	33,003.70	1,619.33
			For Class 52 Rating, Deduct	-3,360.52	
			For Class 54 Rating, Add	4,611.97	
			For Class 55 Rating, Add	6,871.57	
			For Class 56 Rating, Add	9,100.63	
40 05 19 00-3533	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	34,249.49	1,622.34
			For Class 52 Rating, Deduct	-3,497.06	
			For Class 54 Rating, Add	4,798.21	
			For Class 55 Rating, Add	7,148.48	
			For Class 56 Rating, Add	9,466.96	
40 05 19 00-3534	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	35,495.28	1,625.34
			For Class 52 Rating, Deduct	-3,633.59	
			For Class 54 Rating, Add	4,984.45	
			For Class 55 Rating, Add	7,425.38	
			For Class 56 Rating, Add	9,833.28	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3535	EA	36" Flanged x Plain End (FYPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	36,741.07	1,628.34
		For Class 52 Rating, Deduct	-3,770.13	
		For Class 54 Rating, Add	5,170.69	
		For Class 55 Rating, Add	7,702.29	
		For Class 56 Rating, Add	10,199.61	
40 05 19 00-3536	EA	36" Flanged x Plain End (FYPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	37,986.85	1,631.34
		For Class 52 Rating, Deduct	-3,906.66	
		For Class 54 Rating, Add	5,356.93	
		For Class 55 Rating, Add	7,979.19	
		For Class 56 Rating, Add	10,565.94	
40 05 19 00-3537	EA	36" Flanged x Plain End (FYPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	39,232.63	1,634.36
		For Class 52 Rating, Deduct	-4,043.20	
		For Class 54 Rating, Add	5,543.17	
		For Class 55 Rating, Add	8,256.09	
		For Class 56 Rating, Add	10,932.27	
40 05 19 00-3538	EA	36" Flanged x Plain End (FYPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	40,478.42	1,637.35
		For Class 52 Rating, Deduct	-4,179.73	
		For Class 54 Rating, Add	5,729.41	
		For Class 55 Rating, Add	8,533.00	
		For Class 56 Rating, Add	11,298.60	
40 05 19 00-3539	EA	36" Flanged x Plain End (FYPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	41,724.20	1,640.36
		For Class 52 Rating, Deduct	-4,316.27	
		For Class 54 Rating, Add	5,915.65	
		For Class 55 Rating, Add	8,809.90	
		For Class 56 Rating, Add	11,664.92	
40 05 19 00-3540	EA	36" Flanged x Plain End (FYPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	42,969.99	1,643.36
		For Class 52 Rating, Deduct	-4,452.81	
		For Class 54 Rating, Add	6,101.89	
		For Class 55 Rating, Add	9,086.81	
		For Class 56 Rating, Add	12,031.25	
40 05 19 00-3541	EA	36" Flanged x Plain End (FYPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	44,215.77	1,646.37
		For Class 52 Rating, Deduct	-4,589.34	
		For Class 54 Rating, Add	6,288.13	
		For Class 55 Rating, Add	9,363.71	
		For Class 56 Rating, Add	12,397.58	
40 05 19 00-3542	EA	36" Flanged x Plain End (FYPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	45,461.56	1,649.36
		For Class 52 Rating, Deduct	-4,725.88	
		For Class 54 Rating, Add	6,474.37	
		For Class 55 Rating, Add	9,640.62	
		For Class 56 Rating, Add	12,763.91	
40 05 19 00-3543	EA	36" Flanged x Plain End (FYPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	46,707.35	1,652.38
		For Class 52 Rating, Deduct	-4,862.41	
		For Class 54 Rating, Add	6,660.61	
		For Class 55 Rating, Add	9,917.52	
		For Class 56 Rating, Add	13,130.24	
40 05 19 00-3544	EA	36" Flanged x Plain End (FYPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	47,953.13	1,655.39
		For Class 52 Rating, Deduct	-4,998.95	
		For Class 54 Rating, Add	6,846.84	
		For Class 55 Rating, Add	10,194.43	
		For Class 56 Rating, Add	13,496.56	
40 05 19 00-3545	EA	36" Flanged x Plain End (FYPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	49,198.92	1,658.38
		For Class 52 Rating, Deduct	-5,135.48	
		For Class 54 Rating, Add	7,033.09	
		For Class 55 Rating, Add	10,471.33	
		For Class 56 Rating, Add	13,862.89	
40 05 19 00-3546	EA	36" Flanged x Plain End (FYPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	50,444.71	1,661.39
		For Class 52 Rating, Deduct	-5,272.02	
		For Class 54 Rating, Add	7,219.32	
		For Class 55 Rating, Add	10,748.24	
		For Class 56 Rating, Add	14,229.22	
40 05 19 00-3547	EA	36" Flanged x Plain End (FYPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	51,690.49	1,664.39
		For Class 52 Rating, Deduct	-5,408.55	
		For Class 54 Rating, Add	7,405.56	
		For Class 55 Rating, Add	11,025.14	
		For Class 56 Rating, Add	14,595.55	
40 05 19 00-3548	EA	36" Flanged x Plain End (FYPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	52,936.28	1,667.41
		For Class 52 Rating, Deduct	-5,545.09	
		For Class 54 Rating, Add	7,591.80	
		For Class 55 Rating, Add	11,302.04	
		For Class 56 Rating, Add	14,961.88	
40 05 19 00-3549	EA	36" Flanged x Plain End (FYPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	54,182.06	1,670.40
		For Class 52 Rating, Deduct	-5,681.63	
		For Class 54 Rating, Add	7,778.04	
		For Class 55 Rating, Add	11,578.95	
		For Class 56 Rating, Add	15,328.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3550			42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
40 05 19 00-3551	EA		42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,663.11	1,976.84
			For Class 52 Rating, Deduct.....	-1,393.47	
			For Class 54 Rating, Add.....	1,936.13	
			For Class 55 Rating, Add.....	2,896.82	
			For Class 56 Rating, Add.....	3,844.86	
40 05 19 00-3552	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,499.09	1,979.85
			For Class 52 Rating, Deduct.....	-1,594.93	
			For Class 54 Rating, Add.....	2,210.90	
			For Class 55 Rating, Add.....	3,305.34	
			For Class 56 Rating, Add.....	4,385.29	
40 05 19 00-3553	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,319.85	1,982.85
			For Class 52 Rating, Deduct.....	-1,794.71	
			For Class 54 Rating, Add.....	2,483.38	
			For Class 55 Rating, Add.....	3,710.47	
			For Class 56 Rating, Add.....	4,921.24	
40 05 19 00-3554	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,158.87	1,985.86
			For Class 52 Rating, Deduct.....	-1,996.50	
			For Class 54 Rating, Add.....	2,758.61	
			For Class 55 Rating, Add.....	4,119.66	
			For Class 56 Rating, Add.....	5,462.57	
40 05 19 00-3555	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,985.74	1,988.86
			For Class 52 Rating, Deduct.....	-2,196.95	
			For Class 54 Rating, Add.....	3,032.01	
			For Class 55 Rating, Add.....	4,526.15	
			For Class 56 Rating, Add.....	6,000.31	
40 05 19 00-3556	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,830.84	1,991.86
			For Class 52 Rating, Deduct.....	-2,399.41	
			For Class 54 Rating, Add.....	3,308.14	
			For Class 55 Rating, Add.....	4,936.70	
			For Class 56 Rating, Add.....	6,543.44	
40 05 19 00-3557	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,657.69	1,994.86
			For Class 52 Rating, Deduct.....	-2,599.87	
			For Class 54 Rating, Add.....	3,581.54	
			For Class 55 Rating, Add.....	5,343.18	
			For Class 56 Rating, Add.....	7,081.18	
40 05 19 00-3558	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,505.84	1,997.88
			For Class 52 Rating, Deduct.....	-2,802.66	
			For Class 54 Rating, Add.....	3,858.14	
			For Class 55 Rating, Add.....	5,754.41	
			For Class 56 Rating, Add.....	7,625.21	
40 05 19 00-3559	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,335.74	2,000.88
			For Class 52 Rating, Deduct.....	-3,003.45	
			For Class 54 Rating, Add.....	4,131.99	
			For Class 55 Rating, Add.....	6,161.57	
			For Class 56 Rating, Add.....	8,163.85	
40 05 19 00-3560	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,186.93	2,003.88
			For Class 52 Rating, Deduct.....	-3,206.58	
			For Class 54 Rating, Add.....	4,409.05	
			For Class 55 Rating, Add.....	6,573.48	
			For Class 56 Rating, Add.....	8,708.77	
40 05 19 00-3561	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,016.83	2,006.89
			For Class 52 Rating, Deduct.....	-3,407.37	
			For Class 54 Rating, Add.....	4,682.90	
			For Class 55 Rating, Add.....	6,980.65	
			For Class 56 Rating, Add.....	9,247.41	
40 05 19 00-3562	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,868.02	2,009.89
			For Class 52 Rating, Deduct.....	-3,610.50	
			For Class 54 Rating, Add.....	4,959.95	
			For Class 55 Rating, Add.....	7,392.56	
			For Class 56 Rating, Add.....	9,792.34	
40 05 19 00-3563	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,700.96	2,012.89
			For Class 52 Rating, Deduct.....	-3,811.62	
			For Class 54 Rating, Add.....	5,234.26	
			For Class 55 Rating, Add.....	7,800.39	
			For Class 56 Rating, Add.....	10,331.87	
40 05 19 00-3564	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,536.93	2,015.90
			For Class 52 Rating, Deduct.....	-4,013.08	
			For Class 54 Rating, Add.....	5,509.03	
			For Class 55 Rating, Add.....	8,208.91	
			For Class 56 Rating, Add.....	10,872.31	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3565	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	41,385.08	2,018.91
		For Class 52 Rating, Deduct	-4,215.88	
		For Class 54 Rating, Add	5,785.63	
		For Class 55 Rating, Add	8,620.14	
		For Class 56 Rating, Add	11,416.33	
40 05 19 00-3566	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	43,218.02	2,021.91
		For Class 52 Rating, Deduct	-4,417.00	
		For Class 54 Rating, Add	6,059.94	
		For Class 55 Rating, Add	9,027.98	
		For Class 56 Rating, Add	11,955.87	
40 05 19 00-3567	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	45,072.26	2,024.91
		For Class 52 Rating, Deduct	-4,620.46	
		For Class 54 Rating, Add	6,337.45	
		For Class 55 Rating, Add	9,440.57	
		For Class 56 Rating, Add	12,501.69	
40 05 19 00-3568	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	46,908.24	2,027.91
		For Class 52 Rating, Deduct	-4,821.92	
		For Class 54 Rating, Add	6,612.22	
		For Class 55 Rating, Add	9,849.09	
		For Class 56 Rating, Add	13,042.13	
40 05 19 00-3569	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	48,759.43	2,030.93
		For Class 52 Rating, Deduct	-5,025.05	
		For Class 54 Rating, Add	6,889.27	
		For Class 55 Rating, Add	10,261.00	
		For Class 56 Rating, Add	13,587.05	
40 05 19 00-3570	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	50,595.40	2,033.92
		For Class 52 Rating, Deduct	-5,226.51	
		For Class 54 Rating, Add	7,164.04	
		For Class 55 Rating, Add	10,669.52	
		For Class 56 Rating, Add	14,127.48	
40 05 19 00-3571	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	52,449.65	2,036.93
		For Class 52 Rating, Deduct	-5,429.97	
		For Class 54 Rating, Add	7,441.54	
		For Class 55 Rating, Add	11,082.11	
		For Class 56 Rating, Add	14,673.31	
40 05 19 00-3572	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	54,285.62	2,039.93
		For Class 52 Rating, Deduct	-5,631.43	
		For Class 54 Rating, Add	7,716.31	
		For Class 55 Rating, Add	11,490.62	
		For Class 56 Rating, Add	15,213.74	
40 05 19 00-3573	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	56,139.86	2,042.94
		For Class 52 Rating, Deduct	-5,834.90	
		For Class 54 Rating, Add	7,993.82	
		For Class 55 Rating, Add	11,903.21	
		For Class 56 Rating, Add	15,759.56	
40 05 19 00-3574	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	57,972.79	2,045.93
		For Class 52 Rating, Deduct	-6,036.02	
		For Class 54 Rating, Add	8,268.13	
		For Class 55 Rating, Add	12,311.05	
		For Class 56 Rating, Add	16,299.10	
40 05 19 00-3575	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	59,830.07	2,048.95
		For Class 52 Rating, Deduct	-6,239.82	
		For Class 54 Rating, Add	8,546.10	
		For Class 55 Rating, Add	12,724.32	
		For Class 56 Rating, Add	16,845.82	
40 05 19 00-3576	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	61,666.06	2,051.96
		For Class 52 Rating, Deduct	-6,441.27	
		For Class 54 Rating, Add	8,820.86	
		For Class 55 Rating, Add	13,132.84	
		For Class 56 Rating, Add	17,386.25	
40 05 19 00-3577	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	63,517.25	2,054.95
		For Class 52 Rating, Deduct	-6,644.40	
		For Class 54 Rating, Add	9,097.91	
		For Class 55 Rating, Add	13,544.75	
		For Class 56 Rating, Add	17,931.17	
40 05 19 00-3578	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	65,356.27	2,057.96
		For Class 52 Rating, Deduct	-6,846.20	
		For Class 54 Rating, Add	9,373.14	
		For Class 55 Rating, Add	13,953.94	
		For Class 56 Rating, Add	18,472.51	
40 05 19 00-3579	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	66,833.26	2,060.96
		For Class 52 Rating, Deduct	-7,008.16	
		For Class 54 Rating, Add	9,594.06	
		For Class 55 Rating, Add	14,282.41	
		For Class 56 Rating, Add	18,907.04	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3580	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	69,046.49	2,063.98
		For Class 52 Rating, Deduct	-7,251.12	
		For Class 54 Rating, Add	9,925.42	
		For Class 55 Rating, Add	14,775.05	
		For Class 56 Rating, Add	19,558.76	
40 05 19 00-3581	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	70,879.42	2,066.97
		For Class 52 Rating, Deduct	-7,452.24	
		For Class 54 Rating, Add	10,199.73	
		For Class 55 Rating, Add	15,182.89	
		For Class 56 Rating, Add	20,098.30	
40 05 19 00-3582	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	72,733.65	2,069.98
		For Class 52 Rating, Deduct	-7,655.71	
		For Class 54 Rating, Add	10,477.23	
		For Class 55 Rating, Add	15,595.47	
		For Class 56 Rating, Add	20,644.12	
40 05 19 00-3583	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	74,569.63	2,072.98
		For Class 52 Rating, Deduct	-7,857.16	
		For Class 54 Rating, Add	10,752.00	
		For Class 55 Rating, Add	16,003.99	
		For Class 56 Rating, Add	21,184.55	
40 05 19 00-3584	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	76,426.92	2,075.99
		For Class 52 Rating, Deduct	-8,060.96	
		For Class 54 Rating, Add	11,029.97	
		For Class 55 Rating, Add	16,417.26	
		For Class 56 Rating, Add	21,731.27	
40 05 19 00-3585	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	78,259.85	2,078.98
		For Class 52 Rating, Deduct	-8,262.08	
		For Class 54 Rating, Add	11,304.28	
		For Class 55 Rating, Add	16,825.10	
		For Class 56 Rating, Add	22,270.81	
40 05 19 00-3586 48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe				
		(40 05 19 00-3082)		
40 05 19 00-3587	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	20,238.23	2,484.57
		For Class 52 Rating, Deduct	-1,812.11	
		For Class 54 Rating, Add	2,516.23	
		For Class 55 Rating, Add	3,763.99	
		For Class 56 Rating, Add	4,995.27	
40 05 19 00-3588	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	22,877.36	2,487.58
		For Class 52 Rating, Deduct	-2,101.91	
		For Class 54 Rating, Add	2,911.48	
		For Class 55 Rating, Add	4,351.61	
		For Class 56 Rating, Add	5,772.64	
40 05 19 00-3589	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	25,525.63	2,490.58
		For Class 52 Rating, Deduct	-2,392.72	
		For Class 54 Rating, Add	3,308.09	
		For Class 55 Rating, Add	4,941.27	
		For Class 56 Rating, Add	6,552.70	
40 05 19 00-3590	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	28,201.26	2,493.59
		For Class 52 Rating, Deduct	-2,686.54	
		For Class 54 Rating, Add	3,708.80	
		For Class 55 Rating, Add	5,537.03	
		For Class 56 Rating, Add	7,340.83	
40 05 19 00-3591	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	30,870.81	2,496.58
		For Class 52 Rating, Deduct	-2,979.69	
		For Class 54 Rating, Add	4,108.61	
		For Class 55 Rating, Add	6,131.43	
		For Class 56 Rating, Add	8,127.17	
40 05 19 00-3592	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	33,543.41	2,499.60
		For Class 52 Rating, Deduct	-3,273.18	
		For Class 54 Rating, Add	4,508.87	
		For Class 55 Rating, Add	6,726.52	
		For Class 56 Rating, Add	8,914.41	
40 05 19 00-3593	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	36,234.27	2,502.60
		For Class 52 Rating, Deduct	-3,568.67	
		For Class 54 Rating, Add	4,911.87	
		For Class 55 Rating, Add	7,325.67	
		For Class 56 Rating, Add	9,707.03	
40 05 19 00-3594	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	38,919.03	2,505.60
		For Class 52 Rating, Deduct	-3,863.49	
		For Class 54 Rating, Add	5,313.96	
		For Class 55 Rating, Add	7,923.47	
		For Class 56 Rating, Add	10,497.85	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3595	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	41,597.71	2,508.60
		For Class 52 Rating, Deduct	-4,157.65	
		For Class 54 Rating, Add	5,715.13	
		For Class 55 Rating, Add	8,519.91	
		For Class 56 Rating, Add	11,286.89	
40 05 19 00-3596	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	44,300.73	2,511.61
		For Class 52 Rating, Deduct	-4,454.48	
		For Class 54 Rating, Add	6,119.95	
		For Class 55 Rating, Add	9,121.77	
		For Class 56 Rating, Add	12,083.10	
40 05 19 00-3597	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	46,991.58	2,514.63
		For Class 52 Rating, Deduct	-4,749.97	
		For Class 54 Rating, Add	6,522.95	
		For Class 55 Rating, Add	9,720.93	
		For Class 56 Rating, Add	12,875.72	
40 05 19 00-3598	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	49,697.64	2,517.62
		For Class 52 Rating, Deduct	-5,047.14	
		For Class 54 Rating, Add	6,928.23	
		For Class 55 Rating, Add	10,323.47	
		For Class 56 Rating, Add	13,672.83	
40 05 19 00-3599	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	52,385.45	2,520.63
		For Class 52 Rating, Deduct	-5,342.30	
		For Class 54 Rating, Add	7,330.78	
		For Class 55 Rating, Add	10,921.95	
		For Class 56 Rating, Add	14,464.55	
40 05 19 00-3600	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	55,079.34	2,523.63
		For Class 52 Rating, Deduct	-5,638.12	
		For Class 54 Rating, Add	7,734.23	
		For Class 55 Rating, Add	11,521.78	
		For Class 56 Rating, Add	15,258.07	
40 05 19 00-3601	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	57,788.45	2,526.64
		For Class 52 Rating, Deduct	-5,935.62	
		For Class 54 Rating, Add	8,139.97	
		For Class 55 Rating, Add	12,125.00	
		For Class 56 Rating, Add	16,056.08	
40 05 19 00-3602	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	60,482.34	2,529.63
		For Class 52 Rating, Deduct	-6,231.45	
		For Class 54 Rating, Add	8,543.43	
		For Class 55 Rating, Add	12,724.84	
		For Class 56 Rating, Add	16,849.60	
40 05 19 00-3603	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	63,176.23	2,532.65
		For Class 52 Rating, Deduct	-6,527.28	
		For Class 54 Rating, Add	8,946.88	
		For Class 55 Rating, Add	13,324.67	
		For Class 56 Rating, Add	17,643.12	
40 05 19 00-3604	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	65,888.37	2,535.65
		For Class 52 Rating, Deduct	-6,825.11	
		For Class 54 Rating, Add	9,353.07	
		For Class 55 Rating, Add	13,928.57	
		For Class 56 Rating, Add	18,442.02	
40 05 19 00-3605	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	68,585.32	2,538.65
		For Class 52 Rating, Deduct	-7,121.28	
		For Class 54 Rating, Add	9,756.99	
		For Class 55 Rating, Add	14,529.08	
		For Class 56 Rating, Add	19,236.44	
40 05 19 00-3606	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	71,279.21	2,541.65
		For Class 52 Rating, Deduct	-7,417.10	
		For Class 54 Rating, Add	10,160.44	
		For Class 55 Rating, Add	15,128.91	
		For Class 56 Rating, Add	20,029.96	
40 05 19 00-3607	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	73,997.44	2,544.66
		For Class 52 Rating, Deduct	-7,715.61	
		For Class 54 Rating, Add	10,567.55	
		For Class 55 Rating, Add	15,734.17	
		For Class 56 Rating, Add	20,830.66	
40 05 19 00-3608	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	76,697.40	2,547.67
		For Class 52 Rating, Deduct	-8,012.10	
		For Class 54 Rating, Add	10,971.92	
		For Class 55 Rating, Add	16,335.36	
		For Class 56 Rating, Add	21,625.97	
40 05 19 00-3609	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
		Coat, Ductile Iron Pipe.....	79,394.33	2,550.67
		For Class 52 Rating, Deduct	-8,308.27	
		For Class 54 Rating, Add	11,375.83	
		For Class 55 Rating, Add	16,935.87	
		For Class 56 Rating, Add	22,420.39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3610 EA 48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	82,109.53	2,553.67
For Class 52 Rating, Deduct	-8,606.44	
For Class 54 Rating, Add	11,782.48	
For Class 55 Rating, Add	17,540.45	
For Class 56 Rating, Add	23,220.19	
40 05 19 00-3611 EA 48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	84,809.50	2,556.68
For Class 52 Rating, Deduct	-8,902.93	
For Class 54 Rating, Add	12,186.85	
For Class 55 Rating, Add	18,141.64	
For Class 56 Rating, Add	24,015.50	
40 05 19 00-3612 EA 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	87,506.44	2,559.67
For Class 52 Rating, Deduct	-9,199.10	
For Class 54 Rating, Add	12,590.76	
For Class 55 Rating, Add	18,742.15	
For Class 56 Rating, Add	24,809.92	
40 05 19 00-3613 EA 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	90,224.66	2,562.68
For Class 52 Rating, Deduct	-9,497.60	
For Class 54 Rating, Add	12,997.87	
For Class 55 Rating, Add	19,347.41	
For Class 56 Rating, Add	25,610.62	
40 05 19 00-3614 EA 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	92,924.65	2,565.70
For Class 52 Rating, Deduct	-9,794.10	
For Class 54 Rating, Add	13,402.23	
For Class 55 Rating, Add	19,948.60	
For Class 56 Rating, Add	26,405.93	
40 05 19 00-3615 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	95,305.19	2,568.70
For Class 52 Rating, Deduct	-10,055.46	
For Class 54 Rating, Add	13,758.69	
For Class 55 Rating, Add	20,478.56	
For Class 56 Rating, Add	27,107.01	
40 05 19 00-3616 EA 48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	98,345.89	2,571.70
For Class 52 Rating, Deduct	-10,389.43	
For Class 54 Rating, Add	14,214.17	
For Class 55 Rating, Add	21,155.73	
For Class 56 Rating, Add	28,002.84	
40 05 19 00-3617 EA 48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	101,042.83	2,574.70
For Class 52 Rating, Deduct	-10,685.59	
For Class 54 Rating, Add	14,618.08	
For Class 55 Rating, Add	21,756.24	
For Class 56 Rating, Add	28,797.26	
40 05 19 00-3618 EA 48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	103,767.15	2,577.71
For Class 52 Rating, Deduct	-10,984.77	
For Class 54 Rating, Add	15,026.10	
For Class 55 Rating, Add	22,362.86	
For Class 56 Rating, Add	29,599.75	
40 05 19 00-3619 EA 48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	106,464.08	2,580.70
For Class 52 Rating, Deduct	-11,280.93	
For Class 54 Rating, Add	15,430.01	
For Class 55 Rating, Add	22,963.37	
For Class 56 Rating, Add	30,394.17	
40 05 19 00-3620 EA 48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	109,161.01	2,583.72
For Class 52 Rating, Deduct	-11,577.09	
For Class 54 Rating, Add	15,833.92	
For Class 55 Rating, Add	23,563.88	
For Class 56 Rating, Add	31,188.59	
40 05 19 00-3621 EA 48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	111,885.33	2,586.72
For Class 52 Rating, Deduct	-11,876.27	
For Class 54 Rating, Add	16,241.94	
For Class 55 Rating, Add	24,170.49	
For Class 56 Rating, Add	31,991.08	

40 05 19 00-3622 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows (40 05 19 00-2073)

40 05 19 00-3623 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	819.23	144.95
40 05 19 00-3624 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,199.58	185.36
40 05 19 00-3625 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,712.18	209.95
40 05 19 00-3626 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,445.68	266.17
40 05 19 00-3627 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,047.23	295.16
40 05 19 00-3628 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,737.53	320.64
40 05 19 00-3629 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,589.67	395.31
40 05 19 00-3630 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,757.53	474.37
40 05 19 00-3631 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,037.29	597.35
40 05 19 00-3632 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,470.93	676.41
40 05 19 00-3633 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,250.62	896.02
40 05 19 00-3634 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	24,099.37	1,014.62
40 05 19 00-3635 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	41,131.77	1,159.57
40 05 19 00-3636 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	54,413.60	1,423.10

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 19 Ductile Iron Process Pipe

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-3637		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows (40 05 19 00-2073)	
40 05 19 00-3638	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	780.60 144.95
40 05 19 00-3639	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,135.76 185.36
40 05 19 00-3640	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,554.30 209.95
40 05 19 00-3641	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,220.62 266.17
40 05 19 00-3642	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,756.66 295.16
40 05 19 00-3643	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,211.81 320.64
40 05 19 00-3644	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,948.06 395.31
40 05 19 00-3645	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	5,025.22 474.37
40 05 19 00-3646	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	6,320.10 597.35
40 05 19 00-3647	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,299.21 676.41
40 05 19 00-3648	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	15,865.99 896.02
40 05 19 00-3649	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	23,585.41 1,014.62
40 05 19 00-3650	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	35,659.64 1,159.57
40 05 19 00-3651	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	48,220.92 1,423.10
40 05 19 00-3652		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows (40 05 19 00-2073)	
40 05 19 00-3653	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	778.92 144.95
40 05 19 00-3654	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,113.92 185.36
40 05 19 00-3655	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,540.86 209.95
40 05 19 00-3656	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,168.55 266.17
40 05 19 00-3657	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,872.55 295.16
40 05 19 00-3658	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,566.21 320.64
40 05 19 00-3659	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,028.68 395.31
40 05 19 00-3660	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,122.64 474.37
40 05 19 00-3661	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,738.32 597.35
40 05 19 00-3662	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,264.98 676.41
40 05 19 00-3663	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	16,037.31 896.02
40 05 19 00-3664	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	23,976.76 1,014.62
40 05 19 00-3665	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	36,440.65 1,159.57
40 05 19 00-3666	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	49,242.12 1,423.10
40 05 19 00-3667		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows (40 05 19 00-2073)	
40 05 19 00-3668	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	844.42 144.95
40 05 19 00-3669	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,236.53 185.36
40 05 19 00-3670	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,591.25 209.95
40 05 19 00-3671	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,348.27 266.17
40 05 19 00-3672	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,206.79 295.16
40 05 19 00-3673	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,651.87 320.64
40 05 19 00-3674	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,389.80 395.31
40 05 19 00-3675	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,122.64 474.37
40 05 19 00-3676	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,738.32 597.35
40 05 19 00-3677	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,607.62 676.41
40 05 19 00-3678	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	16,205.27 896.02
40 05 19 00-3679	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	24,148.08 1,014.62
40 05 19 00-3680	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	36,620.37 1,159.57
40 05 19 00-3681	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	49,604.91 1,423.10
40 05 19 00-3682		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-2073)	
40 05 19 00-3683	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,167.29 165.15
40 05 19 00-3684	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,505.05 177.45
40 05 19 00-3685	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,634.76 197.66
40 05 19 00-3686	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,244.67 205.56
40 05 19 00-3687	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,287.04 225.77
40 05 19 00-3688	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,455.16 238.06
40 05 19 00-3689	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,680.86 240.69
40 05 19 00-3690	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,993.42 252.99
40 05 19 00-3691	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,135.11 281.10
40 05 19 00-3692	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,121.07 252.99
40 05 19 00-3693	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,384.93 265.29
40 05 19 00-3694	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,669.38 293.40
40 05 19 00-3695	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,987.62 308.34
40 05 19 00-3696	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,592.51 290.33
40 05 19 00-3697	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,807.65 302.63
40 05 19 00-3698	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,239.91 330.74
40 05 19 00-3699	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,559.16 345.23
40 05 19 00-3700	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,820.32 357.97
40 05 19 00-3701	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,171.40 329.86
40 05 19 00-3702	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,828.28 342.16
40 05 19 00-3703	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,916.21 370.27
40 05 19 00-3704	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,134.70 384.77
40 05 19 00-3705	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,496.62 397.50
40 05 19 00-3706	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,892.47 434.84
40 05 19 00-3707	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,215.22 391.35
40 05 19 00-3708	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,499.24 403.65

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3709	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,594.93	431.76
40 05 19 00-3710	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,794.93	446.26
40 05 19 00-3711	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,403.76	458.99
40 05 19 00-3712	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,218.47	496.33
40 05 19 00-3713	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,592.45	535.86
40 05 19 00-3714	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,211.69	430.88
40 05 19 00-3715	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,490.66	443.18
40 05 19 00-3716	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,956.52	471.29
40 05 19 00-3717	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,294.24	485.79
40 05 19 00-3718	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,945.07	498.53
40 05 19 00-3719	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,529.02	535.86
40 05 19 00-3720	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,693.06	575.39
40 05 19 00-3721	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,155.39	569.02
40 05 19 00-3722	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,253.15	595.60
40 05 19 00-3723	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,951.01	608.34
40 05 19 00-3724	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,681.98	645.66
40 05 19 00-3725	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,507.30	685.20
40 05 19 00-3726	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,092.76	746.69
40 05 19 00-3727	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,610.54	786.22
40 05 19 00-3728	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,349.52	805.98
40 05 19 00-3729	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,324.15	845.52
40 05 19 00-3730	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,451.25	955.33
40 05 19 00-3731	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,652.81	878.45
40 05 19 00-3732	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,419.82	917.99
40 05 19 00-3733	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,391.37	1,027.79
40 05 19 00-3734	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	46,222.01	1,087.09
40 05 19 00-3735	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	44,211.91	1,060.74
40 05 19 00-3736	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	48,059.97	1,170.54
40 05 19 00-3737	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	49,434.70	1,229.84
40 05 19 00-3738	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	61,325.23	1,302.31
40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-2073)				
40 05 19 00-3740	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	961.99	144.95
40 05 19 00-3741	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,511.99	185.36
40 05 19 00-3742	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,242.93	209.95
40 05 19 00-3743	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,130.96	266.17
40 05 19 00-3744	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,377.47	295.16
40 05 19 00-3745	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,131.59	320.64
40 05 19 00-3746	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,539.69	395.31
40 05 19 00-3747	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,004.83	474.37
40 05 19 00-3748	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,067.06	597.35
40 05 19 00-3749	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,580.27	676.41
40 05 19 00-3750	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	26,974.87	896.02
40 05 19 00-3751	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	40,833.22	1,014.62
40 05 19 00-3752	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	62,899.39	1,159.57
40 05 19 00-3753 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbows (40 05 19 00-2073)				
40 05 19 00-3754	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	2,012.62	165.15
40 05 19 00-3755	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,395.80	177.45
40 05 19 00-3756	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,204.34	197.66
40 05 19 00-3757	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,589.57	205.56
40 05 19 00-3758	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,966.99	225.77
40 05 19 00-3759	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	4,103.77	238.06
40 05 19 00-3760	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,298.75	240.69
40 05 19 00-3761	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,367.87	252.99
40 05 19 00-3762	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,410.47	281.10
40 05 19 00-3763	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,531.62	265.29
40 05 19 00-3764	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	12,139.62	293.40
40 05 19 00-3765	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	11,869.89	308.34
40 05 19 00-3766	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,651.93	302.63
40 05 19 00-3767	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,549.00	330.74
40 05 19 00-3768	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,507.85	345.23
40 05 19 00-3769	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,395.81	357.97
40 05 19 00-3770	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,322.48	384.77

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-3771	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,425.33	397.50
40 05 19 00-3772	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	17,565.49	434.84
40 05 19 00-3773	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,665.93	458.99
40 05 19 00-3774	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	24,128.48	496.33
40 05 19 00-3775	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,594.34	535.86
40 05 19 00-3776	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	35,956.84	498.53
40 05 19 00-3777	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,741.76	535.86
40 05 19 00-3778	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,530.02	575.39
40 05 19 00-3779	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	29,414.76	569.02

40 05 19 00-3780 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base
(40 05 19 00-2073)

40 05 19 00-3781	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,009.02	144.95
40 05 19 00-3782	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,419.61	185.36
40 05 19 00-3783	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,305.08	209.95
40 05 19 00-3784	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,083.93	266.17
40 05 19 00-3785	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,120.50	295.16
40 05 19 00-3786	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,884.69	320.64
40 05 19 00-3787	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,953.50	395.31
40 05 19 00-3788	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,373.31	474.37
40 05 19 00-3789	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,526.46	597.35
40 05 19 00-3790	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	13,369.92	676.41
40 05 19 00-3791	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	21,561.52	896.02
40 05 19 00-3792	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	30,686.76	1,014.62
40 05 19 00-3793	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	54,009.27	1,159.57
40 05 19 00-3794	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	60,606.29	1,423.10

40 05 19 00-3795 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees
(40 05 19 00-2073)

40 05 19 00-3796	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,241.22	232.79
40 05 19 00-3797	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,606.27	286.37
40 05 19 00-3798	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,318.60	319.75
40 05 19 00-3799	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,278.29	415.51
40 05 19 00-3800	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,381.91	453.29
40 05 19 00-3801	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,869.88	487.54
40 05 19 00-3802	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	6,346.72	614.92
40 05 19 00-3803	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,880.62	702.77
40 05 19 00-3804	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	9,913.63	887.24
40 05 19 00-3805	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	14,600.06	979.48
40 05 19 00-3806	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	23,990.34	1,352.83
40 05 19 00-3807	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	33,908.88	1,550.48
40 05 19 00-3808	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	72,457.26	1,792.05

40 05 19 00-3809 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees
(40 05 19 00-2073)

40 05 19 00-3810	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,651.99	260.02
40 05 19 00-3811	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,140.35	265.29
40 05 19 00-3812	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,106.95	298.67
40 05 19 00-3813	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,849.74	293.40
40 05 19 00-3814	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,777.71	326.78
40 05 19 00-3815	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,895.32	347.86
40 05 19 00-3816	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,636.59	308.34
40 05 19 00-3817	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,593.11	341.72
40 05 19 00-3818	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,749.34	362.80
40 05 19 00-3819	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,323.80	430.45
40 05 19 00-3820	EA	14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,205.50	320.64
40 05 19 00-3821	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,081.39	354.02
40 05 19 00-3822	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,261.14	375.10
40 05 19 00-3823	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,461.04	442.75
40 05 19 00-3824	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,741.53	466.02
40 05 19 00-3825	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,281.57	357.97
40 05 19 00-3826	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,285.76	391.35
40 05 19 00-3827	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,406.72	412.44
40 05 19 00-3828	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,527.05	480.07
40 05 19 00-3829	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,843.45	503.35
40 05 19 00-3830	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,979.56	524.88
40 05 19 00-3831	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,903.28	430.88
40 05 19 00-3832	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,951.39	451.96
40 05 19 00-3833	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,904.38	519.61
40 05 19 00-3834	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,524.79	542.89
40 05 19 00-3835	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,043.85	564.40
40 05 19 00-3836	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,474.21	654.45
40 05 19 00-3837	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,421.79	492.37

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3838	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,557.88	513.45
40 05 19 00-3839	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,819.92	581.10
40 05 19 00-3840	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,118.90	604.38
40 05 19 00-3841	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,203.56	625.90
40 05 19 00-3842	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,866.75	715.94
40 05 19 00-3843	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,044.10	764.26
40 05 19 00-3844	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	9,731.30	531.91
40 05 19 00-3845	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,109.25	552.99
40 05 19 00-3846	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	10,404.89	620.63
40 05 19 00-3847	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,531.90	643.91
40 05 19 00-3848	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,774.47	665.43
40 05 19 00-3849	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,050.29	755.47
40 05 19 00-3850	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,561.65	803.79
40 05 19 00-3851	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,018.04	858.92
40 05 19 00-3852	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	19,261.45	641.72
40 05 19 00-3853	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	19,348.82	662.80
40 05 19 00-3854	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	19,790.59	730.43
40 05 19 00-3855	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	19,825.86	753.72
40 05 19 00-3856	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	19,858.48	775.24
40 05 19 00-3857	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	19,994.90	865.28
40 05 19 00-3858	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	20,627.42	913.59
40 05 19 00-3859	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,631.71	1,036.58
40 05 19 00-3860	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	26,364.07	1,089.28
40 05 19 00-3861	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	27,667.21	918.42
40 05 19 00-3862	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	27,917.58	935.12
40 05 19 00-3863	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	28,045.55	983.00
40 05 19 00-3864	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	28,243.80	1,001.88
40 05 19 00-3865	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	28,326.85	1,019.01
40 05 19 00-3866	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	28,534.21	1,082.70
40 05 19 00-3867	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	28,659.54	1,126.62
40 05 19 00-3868	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	29,022.68	1,218.86
40 05 19 00-3869	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	29,603.16	1,264.98
40 05 19 00-3870	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	38,280.64	1,451.65
40 05 19 00-3871	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	42,038.35	885.48
40 05 19 00-3872	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	42,133.10	907.01
40 05 19 00-3873	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	42,387.11	997.05
40 05 19 00-3874	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	42,520.77	1,045.36
40 05 19 00-3875	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	42,947.29	1,168.35
40 05 19 00-3876	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	43,509.20	1,221.06
40 05 19 00-3877	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	54,491.66	1,484.59
40 05 19 00-3878	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	69,553.99	1,622.94
40 05 19 00-3879	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	56,462.37	1,028.23
40 05 19 00-3880	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	56,494.98	1,049.76
40 05 19 00-3881	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	56,809.45	1,139.80
40 05 19 00-3882	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	56,882.65	1,188.11
40 05 19 00-3883	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	57,309.17	1,311.09
40 05 19 00-3884	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	57,812.29	1,363.81
40 05 19 00-3885	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee.....	59,053.07	1,627.34
40 05 19 00-3886 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron				
Tees With Base (40 05 19 00-2073)				
40 05 19 00-3887	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,338.64	232.79
40 05 19 00-3888	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	1,890.12	286.37
40 05 19 00-3889	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	2,798.93	319.75
40 05 19 00-3890	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	4,188.63	415.51
40 05 19 00-3891	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	5,644.97	453.29
40 05 19 00-3892	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	6,362.00	487.54
40 05 19 00-3893	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	7,797.89	614.92
40 05 19 00-3894	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	9,424.17	702.77
40 05 19 00-3895	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	12,387.68	887.24
40 05 19 00-3896	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	17,828.25	979.48
40 05 19 00-3897	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	29,526.31	1,352.83
40 05 19 00-3898	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base.....	42,038.15	1,550.48
40 05 19 00-3899 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron				
Wyes (40 05 19 00-2073)				
40 05 19 00-3900	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	1,095.09	232.79
40 05 19 00-3901	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	1,594.51	286.37
40 05 19 00-3902	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	2,357.23	319.75
40 05 19 00-3903	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	3,106.97	415.51
40 05 19 00-3904	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	4,694.32	453.29
40 05 19 00-3905	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye.....	6,283.06	487.54
40 05 19 00-3906 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron				
Crosses (40 05 19 00-2073)				
40 05 19 00-3907	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	1,407.92	320.64
40 05 19 00-3908	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	1,979.25	347.43
40 05 19 00-3909	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	2,056.62	387.40
40 05 19 00-3910	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	2,553.94	353.13
40 05 19 00-3911	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	2,725.27	399.70
40 05 19 00-3912	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross.....	2,785.63	429.56

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

40 05 19 00-3913	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,354.03	381.26
40 05 19 00-3914	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,621.08	427.81
40 05 19 00-3915	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,911.56	457.67
40 05 19 00-3916	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,707.15	564.85
40 05 19 00-3917	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,383.76	395.74
40 05 19 00-3918	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,551.72	442.30
40 05 19 00-3919	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,842.19	472.17
40 05 19 00-3920	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,688.16	579.34
40 05 19 00-3921	EA	12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,337.01	611.41
40 05 19 00-3922	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,479.67	455.04
40 05 19 00-3923	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,770.15	484.91
40 05 19 00-3924	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,271.82	592.08
40 05 19 00-3925	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,763.80	624.15
40 05 19 00-3926	EA	14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,051.59	654.45
40 05 19 00-3927	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,538.96	492.37
40 05 19 00-3928	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,876.46	522.24
40 05 19 00-3929	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,379.81	629.42
40 05 19 00-3930	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,918.83	661.47
40 05 19 00-3931	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,851.99	691.78
40 05 19 00-3932	EA	16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,768.89	834.53
40 05 19 00-3933	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,872.63	531.91
40 05 19 00-3934	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,210.14	561.77
40 05 19 00-3935	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,616.06	668.94
40 05 19 00-3936	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,155.08	701.01
40 05 19 00-3937	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,274.27	731.32
40 05 19 00-3938	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,932.29	874.07
40 05 19 00-3939	EA	18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,309.38	931.16
40 05 19 00-3940	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,838.55	593.40
40 05 19 00-3941	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,199.57	623.26
40 05 19 00-3942	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,571.90	730.43
40 05 19 00-3943	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,146.20	762.50
40 05 19 00-3944	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,299.61	792.81
40 05 19 00-3945	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,304.68	935.56
40 05 19 00-3946	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,705.28	992.65
40 05 19 00-3947	EA	20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,722.13	1,177.14
40 05 19 00-3948	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,673.15	632.93
40 05 19 00-3949	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,931.71	662.80
40 05 19 00-3950	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,460.25	769.97
40 05 19 00-3951	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,824.60	802.04
40 05 19 00-3952	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,028.39	832.33
40 05 19 00-3953	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,612.51	975.08
40 05 19 00-3954	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,436.14	1,032.19
40 05 19 00-3955	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	18,294.75	1,148.81
40 05 19 00-3956	EA	24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	19,970.40	1,282.55
40 05 19 00-3957	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,910.29	911.84
40 05 19 00-3958	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,011.63	942.14
40 05 19 00-3959	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,620.94	1,084.89
40 05 19 00-3960	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,823.34	1,141.99
40 05 19 00-3961	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,720.95	1,326.47
40 05 19 00-3962	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,304.02	1,392.35
40 05 19 00-3963	EA	30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,810.05	1,809.62
40 05 19 00-3964	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,269.43	1,160.00
40 05 19 00-3965	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,308.69	1,185.92
40 05 19 00-3966	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,827.69	1,302.31
40 05 19 00-3967	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,018.40	1,355.02
40 05 19 00-3968	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,758.57	1,508.75
40 05 19 00-3969	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,750.34	1,568.05
40 05 19 00-3970	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,355.46	1,908.44
40 05 19 00-3971	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	46,234.46	2,086.33
40 05 19 00-3972	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,557.98	1,216.66
40 05 19 00-3973	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,706.64	1,273.77
40 05 19 00-3974	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,560.56	1,458.24
40 05 19 00-3975	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	45,617.77	1,524.12
40 05 19 00-3976	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	58,749.56	1,941.39
40 05 19 00-3977	EA	42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	79,926.18	2,158.81
40 05 19 00-3978	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,317.15	1,600.99
40 05 19 00-3979	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	60,374.34	1,666.87
40 05 19 00-3980	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	62,729.84	2,084.13

40 05 19 00-3981 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers

(40 05 19 00-2073)

40 05 19 00-3982	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,001.01	165.15
40 05 19 00-3983	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,330.37	177.45
40 05 19 00-3984	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,414.73	197.66
40 05 19 00-3985	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,772.70	205.56
40 05 19 00-3986	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,766.36	225.77
40 05 19 00-3987	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,983.19	238.06
40 05 19 00-3988	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,260.58	220.49
40 05 19 00-3989	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,296.23	240.69
40 05 19 00-3990	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,457.63	252.99
40 05 19 00-3991	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,671.55	281.10
40 05 19 00-3992	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,780.11	252.99
40 05 19 00-3993	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,995.26	265.29
40 05 19 00-3994	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,205.81	293.40

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-3995	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,114.23	308.34
40 05 19 00-3996	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,301.94	290.33
40 05 19 00-3997	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,149.25	302.63
40 05 19 00-3998	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,401.79	330.74
40 05 19 00-3999	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,806.70	345.23
40 05 19 00-4000	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,281.17	357.97
40 05 19 00-4001	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	3,995.20	342.16
40 05 19 00-4002	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,283.00	370.27
40 05 19 00-4003	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,242.83	384.77
40 05 19 00-4004	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,762.64	397.50
40 05 19 00-4005	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,716.75	434.84
40 05 19 00-4006	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	4,867.71	403.65
40 05 19 00-4007	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	5,172.30	431.76
40 05 19 00-4008	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	5,049.83	446.26
40 05 19 00-4009	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	5,688.89	458.99
40 05 19 00-4010	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	5,354.11	496.33
40 05 19 00-4011	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	6,386.49	535.86
40 05 19 00-4012	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	7,046.17	471.29
40 05 19 00-4013	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	7,614.00	485.79
40 05 19 00-4014	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	7,774.39	498.53
40 05 19 00-4015	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	6,957.56	535.86
40 05 19 00-4016	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	8,166.30	575.39
40 05 19 00-4017	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	8,576.56	569.02
40 05 19 00-4018	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	11,653.82	645.66
40 05 19 00-4019	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	12,054.68	685.20
40 05 19 00-4020	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	12,824.73	746.69
40 05 19 00-4021	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	14,009.95	786.22
40 05 19 00-4022	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	16,500.28	704.96
40 05 19 00-4023	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	16,738.22	744.49
40 05 19 00-4024	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	17,775.33	805.98
40 05 19 00-4025	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	18,703.57	845.52
40 05 19 00-4026	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	21,241.54	955.33
40 05 19 00-4027	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	25,911.37	917.99
40 05 19 00-4028	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	28,964.98	1,027.79
40 05 19 00-4029	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	32,481.21	1,087.09
40 05 19 00-4030	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	34,314.03	1,060.74
40 05 19 00-4031	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	36,351.48	1,170.54
40 05 19 00-4032	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	40,349.74	1,229.84
40 05 19 00-4033	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer.....	44,910.49	1,302.31
40 05 19 00-4034 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-2073)				
40 05 19 00-4035	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,069.87	165.15
40 05 19 00-4036	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,409.31	177.45
40 05 19 00-4037	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,535.67	197.66
40 05 19 00-4038	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,772.70	205.56
40 05 19 00-4039	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,850.34	225.77
40 05 19 00-4040	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,063.81	238.06
40 05 19 00-4041	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,260.58	220.49
40 05 19 00-4042	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,390.29	240.69
40 05 19 00-4043	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,555.04	252.99
40 05 19 00-4044	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,841.18	281.10
40 05 19 00-4045	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,780.11	252.99
40 05 19 00-4046	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,944.87	265.29
40 05 19 00-4047	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,182.30	293.40
40 05 19 00-4048	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,547.57	308.34
40 05 19 00-4049	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,301.94	290.33
40 05 19 00-4050	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,513.72	302.63
40 05 19 00-4051	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,803.21	330.74
40 05 19 00-4052	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,117.42	345.23
40 05 19 00-4053	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,281.17	357.97
40 05 19 00-4054	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,995.20	342.16
40 05 19 00-4055	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,283.00	370.27
40 05 19 00-4056	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,595.54	384.77
40 05 19 00-4057	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,762.64	397.50
40 05 19 00-4058	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,111.46	434.84
40 05 19 00-4059	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,129.72	403.65
40 05 19 00-4060	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,357.06	431.76
40 05 19 00-4061	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,563.79	446.26
40 05 19 00-4062	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	5,688.89	458.99
40 05 19 00-4063	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,111.61	496.33
40 05 19 00-4064	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,381.45	535.86
40 05 19 00-4065	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,235.36	443.18
40 05 19 00-4066	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,167.10	471.29
40 05 19 00-4067	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,294.88	485.79
40 05 19 00-4068	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,418.31	498.53
40 05 19 00-4069	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,842.71	535.86
40 05 19 00-4070	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,166.30	575.39
40 05 19 00-4071	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,576.56	569.02
40 05 19 00-4072	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	14,380.34	608.34
40 05 19 00-4073	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	13,403.96	645.66
40 05 19 00-4074	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	12,110.10	685.20
40 05 19 00-4075	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	12,824.73	746.69
40 05 19 00-4076	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	14,009.95	786.22

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-4077	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,519.40	704.96
40 05 19 00-4078	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,160.44	744.49
40 05 19 00-4079	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	17,098.45	805.98
40 05 19 00-4080	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,644.78	845.52
40 05 19 00-4081	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	21,538.83	955.33
40 05 19 00-4082	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,911.37	917.99
40 05 19 00-4083	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	28,964.98	1,027.79
40 05 19 00-4084	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	32,481.21	1,087.09
40 05 19 00-4085	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	36,351.48	1,170.54
40 05 19 00-4086	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	40,349.74	1,229.84
40 05 19 00-4087	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	44,910.49	1,302.31

40 05 19 00-4088 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges
(40 05 19 00-2073)

40 05 19 00-4089	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	494.66	57.10
40 05 19 00-4090	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	752.59	84.33
40 05 19 00-4091	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,004.97	100.14
40 05 19 00-4092	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,461.92	116.84
40 05 19 00-4093	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,937.62	137.04
40 05 19 00-4094	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,670.03	153.73
40 05 19 00-4095	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	3,225.66	175.69
40 05 19 00-4096	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	4,341.57	245.96
40 05 19 00-4097	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	5,828.81	307.46
40 05 19 00-4098	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	8,545.45	373.34
40 05 19 00-4099	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	12,387.49	434.84
40 05 19 00-4100	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	23,232.04	478.76
40 05 19 00-4101	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	33,312.30	527.08
40 05 19 00-4102	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	44,410.14	592.96

40 05 19 00-4103 Ductile Iron Bolt Packs
(40 05 19)

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4104	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	37.51	
Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			10.50	
For Hot Dip Galvanized, Add			15.00	
40 05 19 00-4105	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	57.88	
Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			16.21	
For Hot Dip Galvanized, Add			23.15	
40 05 19 00-4106	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	62.85	
Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			17.60	
For Hot Dip Galvanized, Add			25.14	
40 05 19 00-4107	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	141.17	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			39.53	
For Hot Dip Galvanized, Add			56.47	
40 05 19 00-4108	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	142.41	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			39.87	
For Hot Dip Galvanized, Add			56.96	
40 05 19 00-4109	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	159.55	
Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			44.67	
For Hot Dip Galvanized, Add			63.82	
40 05 19 00-4110	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	268.23	
Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			75.10	
For Hot Dip Galvanized, Add			107.29	
40 05 19 00-4111	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	389.66	
Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			109.10	
For Hot Dip Galvanized, Add			155.86	
40 05 19 00-4112	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	492.00	
Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			137.76	
For Hot Dip Galvanized, Add			196.80	
40 05 19 00-4113	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	703.96	
Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			197.11	
For Hot Dip Galvanized, Add			281.58	
40 05 19 00-4114	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,112.37	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			311.46	
For Hot Dip Galvanized, Add			444.95	
40 05 19 00-4115	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,586.82	
Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			444.31	
For Hot Dip Galvanized, Add			634.73	
40 05 19 00-4116	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,041.39	
Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.				
For Zinc Plated, Add			571.59	
For Hot Dip Galvanized, Add			816.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-4117	EA		48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,495.03	
			Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	698.61	
			For Hot Dip Galvanized, Add	998.01	

40 05 19 00-4118 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 (40 05 19)
 Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4119 Full Face Flange Styrene Butadiene (SBR) Gaskets (40 05 19 00-4118)					
40 05 19 00-4120	EA		4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	8.24	
40 05 19 00-4121	EA		6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.48	
40 05 19 00-4122	EA		8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	14.23	
40 05 19 00-4123	EA		10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	16.47	
40 05 19 00-4124	EA		12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	17.97	
40 05 19 00-4125	EA		14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	29.95	
40 05 19 00-4126	EA		16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	36.69	
40 05 19 00-4127	EA		18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	38.94	
40 05 19 00-4128	EA		20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	59.90	
40 05 19 00-4129	EA		24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	64.39	
40 05 19 00-4130	EA		30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	83.11	
40 05 19 00-4131	EA		36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	95.09	
40 05 19 00-4132	EA		42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	101.83	
40 05 19 00-4133	EA		48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	111.56	

40 05 19 00-4134 Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-4118)
 Note: (Acrylonitrile Butadiene)

40 05 19 00-4135	EA		4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	25.46	
40 05 19 00-4136	EA		6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	35.94	
40 05 19 00-4137	EA		8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	55.41	
40 05 19 00-4138	EA		10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	60.65	
40 05 19 00-4139	EA		12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	65.14	
40 05 19 00-4140	EA		14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	122.80	
40 05 19 00-4141	EA		16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	151.25	
40 05 19 00-4142	EA		18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	152.00	
40 05 19 00-4143	EA		20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	157.99	
40 05 19 00-4144	EA		24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	166.97	
40 05 19 00-4145	EA		30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	184.94	
40 05 19 00-4146	EA		36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	203.66	
40 05 19 00-4147	EA		42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	289.77	
40 05 19 00-4148	EA		48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	316.72	

40 05 19 00-4149 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-4118)

40 05 19 00-4150	EA		4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	22.46	
40 05 19 00-4151	EA		6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	29.20	
40 05 19 00-4152	EA		8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	39.68	
40 05 19 00-4153	EA		10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	46.42	
40 05 19 00-4154	EA		12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	51.66	
40 05 19 00-4155	EA		14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	85.36	
40 05 19 00-4156	EA		16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	102.58	
40 05 19 00-4157	EA		18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	103.33	
40 05 19 00-4158	EA		20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	105.57	
40 05 19 00-4159	EA		24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	122.80	
40 05 19 00-4160	EA		30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	150.50	
40 05 19 00-4161	EA		36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	171.46	
40 05 19 00-4162	EA		42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	245.59	
40 05 19 00-4163	EA		48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	271.05	

40 05 19 00-4164 Full Face Flange Neoprene Gaskets (40 05 19 00-4118)
 Note: (Polychloroprene)

40 05 19 00-4165	EA		4" Full Face Flange Neoprene Gasket, 1/8" Thick.....	26.21	
40 05 19 00-4166	EA		6" Full Face Flange Neoprene Gasket, 1/8" Thick.....	36.69	
40 05 19 00-4167	EA		8" Full Face Flange Neoprene Gasket, 1/8" Thick.....	56.16	
40 05 19 00-4168	EA		10" Full Face Flange Neoprene Gasket, 1/8" Thick.....	60.65	
40 05 19 00-4169	EA		12" Full Face Flange Neoprene Gasket, 1/8" Thick.....	65.14	
40 05 19 00-4170	EA		14" Full Face Flange Neoprene Gasket, 1/8" Thick.....	86.86	
40 05 19 00-4171	EA		16" Full Face Flange Neoprene Gasket, 1/8" Thick.....	152.74	
40 05 19 00-4172	EA		18" Full Face Flange Neoprene Gasket, 1/8" Thick.....	153.49	
40 05 19 00-4173	EA		20" Full Face Flange Neoprene Gasket, 1/8" Thick.....	162.48	
40 05 19 00-4174	EA		24" Full Face Flange Neoprene Gasket, 1/8" Thick.....	164.72	
40 05 19 00-4175	EA		30" Full Face Flange Neoprene Gasket, 1/8" Thick.....	178.95	
40 05 19 00-4176	EA		36" Full Face Flange Neoprene Gasket, 1/8" Thick.....	201.41	
40 05 19 00-4177	EA		42" Full Face Flange Neoprene Gasket, 1/8" Thick.....	292.01	
40 05 19 00-4178	EA		48" Full Face Flange Neoprene Gasket, 1/8" Thick.....	319.72	

40 05 19 00-4179 Full Face Flange FKM Gaskets (40 05 19 00-4118)
 Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-4180	EA		4" Full Face Flange FKM Gasket, 1/8" Thick.....	141.16	
40 05 19 00-4181	EA		6" Full Face Flange FKM Gasket, 1/8" Thick.....	210.18	
40 05 19 00-4182	EA		8" Full Face Flange FKM Gasket, 1/8" Thick.....	280.76	
40 05 19 00-4183	EA		10" Full Face Flange FKM Gasket, 1/8" Thick.....	338.80	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 19 00-4184	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	440.75	
40 05 19 00-4185	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	806.21	
40 05 19 00-4186	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	923.85	
40 05 19 00-4187	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	967.76	
40 05 19 00-4188	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	1,032.07	
40 05 19 00-4189	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	1,427.34	
40 05 19 00-4190	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	1,711.23	
40 05 19 00-4191	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	1,805.34	
40 05 19 00-4192	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	2,250.80	
40 05 19 00-4193	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	2,359.02	

40 05 19 00-4194 Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)

40 05 19 00-4195	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	417.01	78.32
40 05 19 00-4196	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	578.74	95.61
40 05 19 00-4197	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	857.20	116.61
40 05 19 00-4198	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,177.67	142.25
40 05 19 00-4199	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,495.27	173.47
40 05 19 00-4200	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,403.68	211.64
40 05 19 00-4201	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,781.69	258.28
40 05 19 00-4202	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,903.72	315.02
40 05 19 00-4203	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,782.71	384.41
40 05 19 00-4204	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,328.06	468.87
40 05 19 00-4205	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,867.42	572.15
40 05 19 00-4206	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	10,212.50	697.92
40 05 19 00-4207	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	26,643.54	851.54
40 05 19 00-4208	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	34,033.32	1,038.82

40 05 23 Stainless Steel Process Pipe and Tubing (40 05)**40 05 23 23 300- and 400-Series Stainless Steel Process Pipe (40 05 23)****40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 Lb. Screwed Fittings Assembly (40 05 23)**

Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available. Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	32.40	10.63
For Type 316, Add			2.87	
For Work In Restricted Working Space, Add			6.41	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	36.95	12.19
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			3.01	
For Work In Restricted Working Space, Add			7.62	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	43.01	13.75
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			3.52	
For Work In Restricted Working Space, Add			8.84	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	48.82	16.60
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			4.45	
For Work In Restricted Working Space, Add			9.52	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	53.59	17.08
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			5.09	
For Work In Restricted Working Space, Add			10.20	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	64.85	22.58
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			6.21	
For Work In Restricted Working Space, Add			12.29	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	91.81	27.83
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			10.68	
For Work In Restricted Working Space, Add			15.22	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	115.57	32.25
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Type 316, Add			13.91	
For Work In Restricted Working Space, Add			18.62	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	155.78	32.25
Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.				
For Work In Restricted Working Space, Add			23.63	

40 05 23 23-0011 Stainless Steel Tubing And Fittings (40 05 23 23)**40 05 23 23-0012 Type 304 Tubing (40 05 23 23-0011)****40 05 23 23-0013 0.035" Wall (40 05 23 23-0012)**

40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	9.06	3.50
For Work In Restricted Working Space, Add			2.09	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	10.55	4.16
For Work In Restricted Working Space, Add			2.50	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	12.57	4.93
For Work In Restricted Working Space, Add			2.93	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	19.73	5.58
For Work In Restricted Working Space, Add			3.34	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	23.29	6.23
For Work In Restricted Working Space, Add			3.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	.....	25.78	7.01
		For Work In Restricted Working Space, Add	.....	4.19	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	.....	29.00	8.43
		For Work In Restricted Working Space, Add	.....	5.03	
40 05 23 23-0021 0.049" Wall (40 05 23 23-0012)					
40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	14.58	4.16
		For Work In Restricted Working Space, Add	.....	2.50	
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	16.32	4.93
		For Work In Restricted Working Space, Add	.....	2.93	
40 05 23 23-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	19.54	5.58
		For Work In Restricted Working Space, Add	.....	3.34	
40 05 23 23-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	24.70	7.01
		For Work In Restricted Working Space, Add	.....	4.19	
40 05 23 23-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	28.39	8.43
		For Work In Restricted Working Space, Add	.....	5.03	
40 05 23 23-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	32.00	9.73
		For Work In Restricted Working Space, Add	.....	5.86	
40 05 23 23-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing	.....	36.87	11.03
		For Work In Restricted Working Space, Add	.....	6.65	
40 05 23 23-0029 0.065" Wall (40 05 23 23-0012)					
40 05 23 23-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	17.03	4.93
		For Work In Restricted Working Space, Add	.....	2.93	
40 05 23 23-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	19.59	5.58
		For Work In Restricted Working Space, Add	.....	3.34	
40 05 23 23-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	24.18	7.01
		For Work In Restricted Working Space, Add	.....	4.19	
40 05 23 23-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	28.48	8.43
		For Work In Restricted Working Space, Add	.....	5.03	
40 05 23 23-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	33.55	9.73
		For Work In Restricted Working Space, Add	.....	5.86	
40 05 23 23-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	38.51	11.03
		For Work In Restricted Working Space, Add	.....	6.65	
40 05 23 23-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing	.....	43.40	12.46
		For Work In Restricted Working Space, Add	.....	7.49	
40 05 23 23-0037 Type 304 Tube Fittings (40 05 23 23-0011)					
40 05 23 23-0038 90 Degree Elbows (40 05 23 23-0037)					
40 05 23 23-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow	.....	54.45	14.01
		For Work In Restricted Working Space, Add	.....	8.37	
40 05 23 23-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow	.....	64.00	15.31
		For Work In Restricted Working Space, Add	.....	9.16	
40 05 23 23-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow	.....	94.61	17.26
		For Work In Restricted Working Space, Add	.....	10.38	
40 05 23 23-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow	.....	101.34	19.33
		For Work In Restricted Working Space, Add	.....	11.62	
40 05 23 23-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow	.....	113.12	20.90
		For Work In Restricted Working Space, Add	.....	12.56	
40 05 23 23-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow	.....	152.80	23.23
		For Work In Restricted Working Space, Add	.....	13.91	
40 05 23 23-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow	.....	193.98	27.64
		For Work In Restricted Working Space, Add	.....	16.57	
40 05 23 23-0046 Union Tees (40 05 23 23-0037)					
40 05 23 23-0047	EA	1/4", Type 304, Stainless Steel, Union Tee	.....	86.00	20.90
		For Work In Restricted Working Space, Add	.....	12.56	
40 05 23 23-0048	EA	3/8", Type 304, Stainless Steel, Union Tee	.....	103.61	23.23
		For Work In Restricted Working Space, Add	.....	13.91	
40 05 23 23-0049	EA	1/2", Type 304, Stainless Steel, Union Tee	.....	139.75	25.96
		For Work In Restricted Working Space, Add	.....	15.57	
40 05 23 23-0050	EA	5/8", Type 304, Stainless Steel, Union Tee	.....	150.86	29.46
		For Work In Restricted Working Space, Add	.....	17.69	
40 05 23 23-0051	EA	3/4", Type 304, Stainless Steel, Union Tee	.....	190.81	31.66
		For Work In Restricted Working Space, Add	.....	18.99	
40 05 23 23-0052	EA	7/8", Type 304, Stainless Steel, Union Tee	.....	298.33	35.04
		For Work In Restricted Working Space, Add	.....	21.04	
40 05 23 23-0053	EA	1", Type 304, Stainless Steel, Union Tee	.....	357.49	41.91
		For Work In Restricted Working Space, Add	.....	25.12	
40 05 23 23-0054 Unions (40 05 23 23-0037)					
40 05 23 23-0055	EA	1/4", Type 304, Stainless Steel, Union	.....	82.48	20.90
		For Work In Restricted Working Space, Add	.....	12.56	
40 05 23 23-0056	EA	3/8", Type 304, Stainless Steel, Union	.....	105.59	23.23
		For Work In Restricted Working Space, Add	.....	13.91	
40 05 23 23-0057	EA	1/2", Type 304, Stainless Steel, Union	.....	141.05	25.96
		For Work In Restricted Working Space, Add	.....	15.57	
40 05 23 23-0058	EA	5/8", Type 304, Stainless Steel, Union	.....	171.26	29.46
		For Work In Restricted Working Space, Add	.....	17.69	
40 05 23 23-0059	EA	3/4", Type 304, Stainless Steel, Union	.....	203.22	31.66
		For Work In Restricted Working Space, Add	.....	18.99	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
40 05 23 23-0060	EA	7/8", Type 304, Stainless Steel, Union.....	308.24	35.04	
		<i>For Work In Restricted Working Space, Add</i>	21.04		
40 05 23 23-0061	EA	1", Type 304, Stainless Steel, Union.....	329.43	41.91	
		<i>For Work In Restricted Working Space, Add</i>	25.12		
40 05 23 23-0062 Male Connectors (40 05 23 23-0037)					
40 05 23 23-0063	EA	1/4" x 1/4", Type 304, Stainless Steel, Male Connection	41.88	14.01	
		<i>For Work In Restricted Working Space, Add</i>	8.37		
40 05 23 23-0064	EA	3/8" x 3/8", Type 304, Stainless Steel, Male Connection	51.64	15.31	
		<i>For Work In Restricted Working Space, Add</i>	9.16		
40 05 23 23-0065	EA	1/2" x 1/2", Type 304, Stainless Steel, Male Connection	66.18	17.26	
		<i>For Work In Restricted Working Space, Add</i>	10.38		
40 05 23 23-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304	74.54	19.33	
		<i>For Work In Restricted Working Space, Add</i>	11.62		
40 05 23 23-0067	EA	3/4" x 3/4", Type 304, Stainless Steel, Male Connection	89.30	20.90	
		<i>For Work In Restricted Working Space, Add</i>	12.56		
40 05 23 23-0068	EA	7/8" x 7/8", Type 304, Stainless Steel, Male Connection	131.91	23.23	
		<i>For Work In Restricted Working Space, Add</i>	13.91		
40 05 23 23-0069	EA	1" x 1", Type 304, Stainless Steel, Male Connection	139.18	27.64	
		<i>For Work In Restricted Working Space, Add</i>	16.57		
40 05 23 23-0070 Type 304 Valves (40 05 23 23-0011)					
40 05 23 23-0071 Gate Valves (40 05 23 23-0070)					
40 05 23 23-0072	EA	1/4" Gate Valve, Stainless Steel Type 304	235.14	20.90	
		<i>For Work In Restricted Working Space, Add</i>	11.33		
40 05 23 23-0073	EA	3/8" Gate Valve, Stainless Steel Type 304	395.65	24.53	
		<i>For Work In Restricted Working Space, Add</i>	11.93		
40 05 23 23-0074	EA	1/2" Gate Valve, Stainless Steel Type 304	411.09	27.64	
		<i>For Work In Restricted Working Space, Add</i>	16.57		
40 05 23 23-0075	EA	3/4" Gate Valve, Stainless Steel Type 304	455.76	31.66	
		<i>For Work In Restricted Working Space, Add</i>	18.99		
40 05 23 23-0076	EA	1" Gate Valve, Stainless Steel Type 304	419.00	41.91	
		<i>For Work In Restricted Working Space, Add</i>	25.12		
40 05 23 23-0077 Globe Valves (40 05 23 23-0070)					
40 05 23 23-0078	EA	1/4" Globe Valve, Stainless Steel Type 304	238.37	20.90	
		<i>For Work In Restricted Working Space, Add</i>	11.33		
40 05 23 23-0079	EA	3/8" Globe Valve, Stainless Steel Type 304	157.84	24.53	
		<i>For Work In Restricted Working Space, Add</i>	11.93		
40 05 23 23-0080	EA	1/2" Globe Valve, Stainless Steel Type 304	283.18	27.64	
		<i>For Work In Restricted Working Space, Add</i>	16.57		
40 05 23 23-0081	EA	3/4" Globe Valve, Stainless Steel Type 304	315.28	31.66	
		<i>For Work In Restricted Working Space, Add</i>	18.99		
40 05 23 23-0082	EA	1" Globe Valve, Stainless Steel Type 304	459.71	41.91	
		<i>For Work In Restricted Working Space, Add</i>	25.12		
40 05 23 23-0083 Check Valves (40 05 23 23-0070)					
40 05 23 23-0084	EA	1/4" Check Valve, Stainless Steel Type 304	333.40	20.90	
		<i>For Work In Restricted Working Space, Add</i>	11.33		
40 05 23 23-0085	EA	3/8" Check Valve, Stainless Steel Type 304	335.40	24.53	
		<i>For Work In Restricted Working Space, Add</i>	11.93		
40 05 23 23-0086	EA	1/2" Check Valve, Stainless Steel Type 304	220.46	27.64	
		<i>For Work In Restricted Working Space, Add</i>	16.57		
40 05 23 23-0087	EA	3/4" Check Valve, Stainless Steel Type 304	230.94	31.66	
		<i>For Work In Restricted Working Space, Add</i>	18.99		
40 05 23 23-0088	EA	1" Check Valve, Stainless Steel Type 304	256.15	41.91	
		<i>For Work In Restricted Working Space, Add</i>	25.12		
40 05 23 23-0089 Plug Valves (40 05 23 23-0070)					
40 05 23 23-0090	EA	1/2" Plug Valve, Stainless Steel Type 304	515.61	27.64	
		<i>For Work In Restricted Working Space, Add</i>	16.57		
40 05 23 23-0091	EA	3/4" Plug Valve, Stainless Steel Type 304	564.61	31.66	
		<i>For Work In Restricted Working Space, Add</i>	18.99		
40 05 23 23-0092	EA	1" Plug Valve, Stainless Steel Type 304	639.59	41.91	
		<i>For Work In Restricted Working Space, Add</i>	25.12		
40 05 23 23-0093	EA	1-1/2" Plug Valve, Stainless Steel Type 304	887.79	47.37	
		<i>For Work In Restricted Working Space, Add</i>	28.42		
40 05 23 23-0094	EA	2" Plug Valve, Stainless Steel Type 304	1,156.24	64.88	
		<i>For Work In Restricted Working Space, Add</i>	38.93		
40 05 23 23-0095 Type 316 Tubing (40 05 23 23-0011)					
40 05 23 23-0096 0.035" Wall (40 05 23 23-0095)					
40 05 23 23-0097	LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	9.38	3.50	
		<i>For Work In Restricted Working Space, Add</i>	2.09		
40 05 23 23-0098	LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	12.12	4.16	
		<i>For Work In Restricted Working Space, Add</i>	2.50		
40 05 23 23-0099	LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	13.53	4.93	
		<i>For Work In Restricted Working Space, Add</i>	2.93		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	22.27 3.34	5.58
40 05 23 23-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	25.26 3.76	6.23
40 05 23 23-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	31.83 4.19	7.01
40 05 23 23-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	33.69 5.03	8.43
40 05 23 23-0104 0.049" Wall (40 05 23 23-0095)				
40 05 23 23-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	15.94 2.50	4.16
40 05 23 23-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	17.75 2.93	4.93
40 05 23 23-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	20.88 3.34	5.58
40 05 23 23-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	27.16 4.19	7.01
40 05 23 23-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	31.45 5.03	8.43
40 05 23 23-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	39.88 5.66	9.73
40 05 23 23-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	41.01 6.65	11.03
40 05 23 23-0112 0.065" Wall (40 05 23 23-0095)				
40 05 23 23-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	18.64 2.93	4.93
40 05 23 23-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	20.83 3.34	5.58
40 05 23 23-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	26.12 4.19	7.01
40 05 23 23-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	31.15 5.03	8.43
40 05 23 23-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	37.65 5.86	9.73
40 05 23 23-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	41.55 6.65	11.03
40 05 23 23-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	48.30 7.49	12.46
40 05 23 23-0120 Type 316 Tube Fittings (40 05 23 23-0011)				
40 05 23 23-0121 90 Degree Elbows (40 05 23 23-0120)				
40 05 23 23-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	73.61 8.37	14.01
40 05 23 23-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	88.17 9.16	15.31
40 05 23 23-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	137.93 10.38	17.26
40 05 23 23-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	146.54 11.62	19.33
40 05 23 23-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	164.56 12.56	20.90
40 05 23 23-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	229.66 13.91	23.23
40 05 23 23-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	294.16 16.57	27.64
40 05 23 23-0129 Union Tees (40 05 23 23-0120)				
40 05 23 23-0130	EA	1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	117.87 12.56	20.90
40 05 23 23-0131	EA	3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	144.96 13.91	23.23
40 05 23 23-0132	EA	1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	203.18 15.57	25.96
40 05 23 23-0133	EA	5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	217.20 17.69	29.46
40 05 23 23-0134	EA	3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	282.87 18.99	31.66
40 05 23 23-0135	EA	7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	463.08 21.04	35.04
40 05 23 23-0136	EA	1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	555.15 25.12	41.91
40 05 23 23-0137 Unions (40 05 23 23-0120)				
40 05 23 23-0138	EA	1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	77.63 12.56	20.90
40 05 23 23-0139	EA	3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	98.51 13.91	23.23
40 05 23 23-0140	EA	1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	130.40 15.57	25.96

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
40 05 23 23-0141	EA	5/8" Union, Stainless Steel Type 316.....	157.84		29.46
		<i>For Work In Restricted Working Space, Add</i>	17.69		
40 05 23 23-0142	EA	3/4" Union, Stainless Steel Type 316.....	186.50		31.66
		<i>For Work In Restricted Working Space, Add</i>	18.99		
40 05 23 23-0143	EA	7/8" Union, Stainless Steel Type 316.....	279.78		35.04
		<i>For Work In Restricted Working Space, Add</i>	21.04		
40 05 23 23-0144	EA	1" Union, Stainless Steel Type 316.....	300.06		41.91
		<i>For Work In Restricted Working Space, Add</i>	25.12		
40 05 23 23-0145 Male Connectors (40 05 23 23-0120)					
40 05 23 23-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316.....	51.75		14.01
		<i>For Work In Restricted Working Space, Add</i>	8.37		
40 05 23 23-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316.....	66.56		15.31
		<i>For Work In Restricted Working Space, Add</i>	9.16		
40 05 23 23-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316.....	88.50		17.26
		<i>For Work In Restricted Working Space, Add</i>	10.38		
40 05 23 23-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316.....	99.84		19.33
		<i>For Work In Restricted Working Space, Add</i>	11.62		
40 05 23 23-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316.....	122.83		20.90
		<i>For Work In Restricted Working Space, Add</i>	12.56		
40 05 23 23-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316.....	192.40		23.23
		<i>For Work In Restricted Working Space, Add</i>	13.91		
40 05 23 23-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316.....	198.54		27.64
		<i>For Work In Restricted Working Space, Add</i>	16.57		
40 05 23 23-0153 Type 316 Valves (40 05 23 23-0011)					
40 05 23 23-0154 Gate Valves (40 05 23 23-0153)					
40 05 23 23-0155	EA	1/4" Gate Valve, Stainless Steel Type 316.....	298.86		20.90
		<i>For Work In Restricted Working Space, Add</i>	11.33		
40 05 23 23-0156	EA	3/8" Gate Valve, Stainless Steel Type 316.....	510.55		24.53
		<i>For Work In Restricted Working Space, Add</i>	11.93		
40 05 23 23-0157	EA	1/2" Gate Valve, Stainless Steel Type 316.....	525.99		27.64
		<i>For Work In Restricted Working Space, Add</i>	16.57		
40 05 23 23-0158	EA	3/4" Gate Valve, Stainless Steel Type 316.....	582.48		31.66
		<i>For Work In Restricted Working Space, Add</i>	18.99		
40 05 23 23-0159	EA	1" Gate Valve, Stainless Steel Type 316.....	527.25		41.91
		<i>For Work In Restricted Working Space, Add</i>	25.12		
40 05 23 23-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316.....	724.38		43.47
		<i>For Work In Restricted Working Space, Add</i>	26.08		
40 05 23 23-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316.....	1,163.94		47.37
		<i>For Work In Restricted Working Space, Add</i>	28.42		
40 05 23 23-0162	EA	2" Gate Valve, Stainless Steel Type 316.....	1,384.32		64.88
		<i>For Work In Restricted Working Space, Add</i>	38.93		
40 05 23 23-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316.....	2,054.85		207.75
		<i>For Work In Restricted Working Space, Add</i>	124.61		
40 05 23 23-0164 Globe Valves (40 05 23 23-0153)					
40 05 23 23-0165	EA	1/4" Globe Valve, Stainless Steel Type 316.....	303.14		20.90
		<i>For Work In Restricted Working Space, Add</i>	11.33		
40 05 23 23-0166	EA	3/8" Globe Valve, Stainless Steel Type 316.....	195.97		24.53
		<i>For Work In Restricted Working Space, Add</i>	11.93		
40 05 23 23-0167	EA	1/2" Globe Valve, Stainless Steel Type 316.....	356.79		27.64
		<i>For Work In Restricted Working Space, Add</i>	16.57		
40 05 23 23-0168	EA	3/4" Globe Valve, Stainless Steel Type 316.....	396.64		31.66
		<i>For Work In Restricted Working Space, Add</i>	18.99		
40 05 23 23-0169	EA	1" Globe Valve, Stainless Steel Type 316.....	581.10		41.91
		<i>For Work In Restricted Working Space, Add</i>	25.12		
40 05 23 23-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316.....	725.80		43.21
		<i>For Work In Restricted Working Space, Add</i>	25.89		
40 05 23 23-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316.....	1,206.71		47.37
		<i>For Work In Restricted Working Space, Add</i>	28.42		
40 05 23 23-0172	EA	2" Globe Valve, Stainless Steel Type 316.....	1,427.09		64.88
		<i>For Work In Restricted Working Space, Add</i>	38.93		
40 05 23 23-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316.....	1,783.98		207.75
		<i>For Work In Restricted Working Space, Add</i>	124.61		
40 05 23 23-0174 Check Valves (40 05 23 23-0153)					
40 05 23 23-0175	EA	1/4" Check Valve, Stainless Steel Type 316.....	428.84		20.90
		<i>For Work In Restricted Working Space, Add</i>	11.33		
40 05 23 23-0176	EA	3/8" Check Valve, Stainless Steel Type 316.....	430.84		24.53
		<i>For Work In Restricted Working Space, Add</i>	11.93		
40 05 23 23-0177	EA	1/2" Check Valve, Stainless Steel Type 316.....	273.82		27.64
		<i>For Work In Restricted Working Space, Add</i>	16.57		
40 05 23 23-0178	EA	3/4" Check Valve, Stainless Steel Type 316.....	285.06		31.66
		<i>For Work In Restricted Working Space, Add</i>	18.99		
40 05 23 23-0179	EA	1" Check Valve, Stainless Steel Type 316.....	311.82		41.91
		<i>For Work In Restricted Working Space, Add</i>	25.12		
40 05 23 23-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316.....	431.66		43.47
		<i>For Work In Restricted Working Space, Add</i>	26.08		
40 05 23 23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316.....	964.35		47.37
		<i>For Work In Restricted Working Space, Add</i>	28.42		
40 05 23 23-0182	EA	2" Check Valve, Stainless Steel Type 316.....	1,170.48		64.88
		<i>For Work In Restricted Working Space, Add</i>	38.93		

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,316.21 124.61	207.75
40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined (40 05 23 23-0153)				
40 05 23 23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	460.50 16.57	27.64
40 05 23 23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	537.97 18.99	31.66
40 05 23 23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	686.08 25.12	41.91
40 05 23 23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	1,094.03 28.42	47.37
40 05 23 23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined..... <i>For Work In Restricted Working Space, Add</i>	1,528.81 38.93	64.88
40 05 23 23-0190 Diaphragm Valves, Teflon Lined (40 05 23 23-0153)				
40 05 23 23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	610.39 16.57	27.64
40 05 23 23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	701.75 18.99	31.66
40 05 23 23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	849.86 25.12	41.91
40 05 23 23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,324.42 28.42	47.37
40 05 23 23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined..... <i>For Work In Restricted Working Space, Add</i>	1,803.61 38.93	64.88
40 05 23 23-0196 Strainers (40 05 23 23-0153)				
40 05 23 23-0197	EA	1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	611.84 16.57	27.64
40 05 23 23-0198	EA	3/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	732.28 19.08	31.80
40 05 23 23-0199	EA	1" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	958.10 25.31	42.17
40 05 23 23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,190.11 26.09	43.47
40 05 23 23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,494.12 28.42	47.37
40 05 23 23-0202	EA	2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,154.89 38.93	64.88
40 05 23 23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,961.55 51.78	86.30
40 05 23 23-0204	EA	3" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,312.63 77.86	129.77
40 05 23 23-0205	EA	4" Strainer, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,518.22 124.57	207.62
40 05 23 23-0206 Plug Valves (40 05 23 23-0153)				
40 05 23 23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	652.07 16.57	27.64
40 05 23 23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	713.20 18.99	31.66
40 05 23 23-0209	EA	1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	804.36 25.12	41.91
40 05 23 23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,122.87 28.42	47.37
40 05 23 23-0211	EA	2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,460.50 38.93	64.88
40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place (40 05 23 23-0011)				
Note: For use when connecting pipe to an existing in-place system.				
40 05 23 23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe.....	25.95	
40 05 23 23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe.....	28.02	
40 05 23 23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe.....	31.52	
40 05 23 23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe.....	33.08	
40 05 23 23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe.....	35.02	
40 05 23 23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe.....	37.61	
40 05 23 23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe.....	40.22	
40 05 23 23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe.....	44.10	
40 05 23 23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe.....	47.99	
40 05 23 23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe.....	51.89	
40 05 23 23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe.....	55.78	
40 05 23 23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe.....	60.97	
40 05 23 23-0225	EA	Cut And Prepare 12" Stainless Steel Pipe.....	66.15	
40 05 23 23-0226	EA	Cut And Prepare 14" Stainless Steel Pipe.....	71.35	
40 05 23 23-0227	EA	Cut And Prepare 16" Stainless Steel Pipe.....	76.53	
40 05 23 23-0228	EA	Cut And Prepare 18" Stainless Steel Pipe.....	80.43	
40 05 23 23-0229	EA	Cut And Prepare 20" Stainless Steel Pipe.....	84.31	
40 05 23 23-0230	EA	Cut And Prepare 24" Stainless Steel Pipe.....	89.51	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
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40 05 23 23-0231	Stainless Steel Pipe And Fittings (40 05 23 23)				
40 05 23 23-0232	Type 304, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings (40 05 23 23-0231)				
40 05 23 23-0233	Type 304, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0232)				
40 05 23 23-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	16.57	5.58	
		For Work In Restricted Working Space, Add	3.34		
40 05 23 23-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	20.47	7.01	
		For Work In Restricted Working Space, Add	4.19		
40 05 23 23-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	25.04	8.43	
		For Work In Restricted Working Space, Add	5.03		
40 05 23 23-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	29.88	9.73	
		For Work In Restricted Working Space, Add	5.86		
40 05 23 23-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	34.43	11.03	
		For Work In Restricted Working Space, Add	6.65		
40 05 23 23-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	43.85	14.01	
		For Work In Restricted Working Space, Add	8.37		
40 05 23 23-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	57.88	16.61	
		For Work In Restricted Working Space, Add	9.98		
40 05 23 23-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	72.76	20.90	
		For Work In Restricted Working Space, Add	12.56		
40 05 23 23-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting.....	98.00	27.64	
		For Work In Restricted Working Space, Add	16.57		
40 05 23 23-0243	150#, Type 304 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0232)				
40 05 23 23-0244	EA	1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	45.19	20.90	
		For Work In Restricted Working Space, Add	12.56		
40 05 23 23-0245	EA	3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	59.98	27.64	
		For Work In Restricted Working Space, Add	16.57		
40 05 23 23-0246	EA	1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	77.08	35.04	
		For Work In Restricted Working Space, Add	21.04		
40 05 23 23-0247	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	107.97	48.01	
		For Work In Restricted Working Space, Add	28.84		
40 05 23 23-0248	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	128.62	56.44	
		For Work In Restricted Working Space, Add	33.85		
40 05 23 23-0249	EA	2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	156.62	68.26	
		For Work In Restricted Working Space, Add	40.98		
40 05 23 23-0250	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	261.90	108.10	
		For Work In Restricted Working Space, Add	64.88		
40 05 23 23-0251	EA	3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	337.17	139.50	
		For Work In Restricted Working Space, Add	83.72		
40 05 23 23-0252	EA	4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	459.44	172.98	
		For Work In Restricted Working Space, Add	103.81		
40 05 23 23-0253	150#, Type 304 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0232)				
40 05 23 23-0254	EA	1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	45.96	20.90	
		For Work In Restricted Working Space, Add	12.56		
40 05 23 23-0255	EA	3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	61.22	27.64	
		For Work In Restricted Working Space, Add	16.57		
40 05 23 23-0256	EA	1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	77.47	35.04	
		For Work In Restricted Working Space, Add	21.04		
40 05 23 23-0257	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	107.82	48.01	
		For Work In Restricted Working Space, Add	28.84		
40 05 23 23-0258	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	126.79	56.44	
		For Work In Restricted Working Space, Add	33.85		
40 05 23 23-0259	EA	2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	156.20	68.26	
		For Work In Restricted Working Space, Add	40.98		
40 05 23 23-0260	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	270.21	108.10	
		For Work In Restricted Working Space, Add	64.88		
40 05 23 23-0261	EA	3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	353.38	139.50	
		For Work In Restricted Working Space, Add	83.72		
40 05 23 23-0262	EA	4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	478.32	172.98	
		For Work In Restricted Working Space, Add	103.81		
40 05 23 23-0263	150#, Type 304 Stainless Steel Threaded Tees (40 05 23 23-0232)				
40 05 23 23-0264	EA	1/2", 150#, Type 304 Stainless Steel Threaded Tee.....	67.83	31.66	
		For Work In Restricted Working Space, Add	18.99		
40 05 23 23-0265	EA	3/4", 150#, Type 304 Stainless Steel Threaded Tee.....	90.90	41.91	
		For Work In Restricted Working Space, Add	25.12		
40 05 23 23-0266	EA	1", 150#, Type 304 Stainless Steel Threaded Tee.....	112.95	51.91	
		For Work In Restricted Working Space, Add	31.14		
40 05 23 23-0267	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Tee	162.35	72.15	
		For Work In Restricted Working Space, Add	43.25		
40 05 23 23-0268	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Tee	184.81	81.10	
		For Work In Restricted Working Space, Add	48.66		
40 05 23 23-0269	EA	2", 150#, Type 304 Stainless Steel Threaded Tee.....	245.30	108.10	
		For Work In Restricted Working Space, Add	64.88		
40 05 23 23-0270	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Tee	374.92	156.37	
		For Work In Restricted Working Space, Add	93.81		
40 05 23 23-0271	EA	3", 150#, Type 304 Stainless Steel Threaded Tee.....	508.28	209.31	
		For Work In Restricted Working Space, Add	125.58		
40 05 23 23-0272	EA	4", 150#, Type 304 Stainless Steel Threaded Tee.....	681.04	259.53	
		For Work In Restricted Working Space, Add	155.72		

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40 05 23 23-0273		150#, Type 304 Stainless Steel Threaded Reducers (40 05 23 23-0232)		
40 05 23 23-0274	EA	3/4", 150#, Type 304 Stainless Steel Threaded Reducer	59.41	27.64
		<i>For Work In Restricted Working Space, Add</i>	16.57	
40 05 23 23-0275	EA	1", 150#, Type 304 Stainless Steel Threaded Reducer	75.86	35.04
		<i>For Work In Restricted Working Space, Add</i>	21.04	
40 05 23 23-0276	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer	104.49	48.01
		<i>For Work In Restricted Working Space, Add</i>	28.84	
40 05 23 23-0277	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	124.89	56.44
		<i>For Work In Restricted Working Space, Add</i>	33.85	
40 05 23 23-0278	EA	2", 150#, Type 304 Stainless Steel Threaded Reducer	156.71	68.26
		<i>For Work In Restricted Working Space, Add</i>	40.98	
40 05 23 23-0279	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	259.44	108.10
		<i>For Work In Restricted Working Space, Add</i>	64.88	
40 05 23 23-0280	EA	3", 150#, Type 304 Stainless Steel Threaded Reducer	340.52	139.50
		<i>For Work In Restricted Working Space, Add</i>	83.72	
40 05 23 23-0281	EA	4", 150#, Type 304 Stainless Steel Threaded Reducer	447.85	172.98
		<i>For Work In Restricted Working Space, Add</i>	103.81	
40 05 23 23-0282		150#, Type 304 Stainless Steel Threaded Caps (40 05 23 23-0232)		
40 05 23 23-0283	EA	1/2", 150#, Type 304 Stainless Steel Threaded Cap	23.15	10.51
		<i>For Work In Restricted Working Space, Add</i>	6.28	
40 05 23 23-0284	EA	3/4", 150#, Type 304 Stainless Steel Threaded Cap	30.69	14.01
		<i>For Work In Restricted Working Space, Add</i>	8.37	
40 05 23 23-0285	EA	1", 150#, Type 304 Stainless Steel Threaded Cap	38.76	17.26
		<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 23-0286	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Cap	56.51	24.53
		<i>For Work In Restricted Working Space, Add</i>	14.69	
40 05 23 23-0287	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Cap	65.11	27.64
		<i>For Work In Restricted Working Space, Add</i>	16.57	
40 05 23 23-0288	EA	2", 150#, Type 304 Stainless Steel Threaded Cap	82.74	35.04
		<i>For Work In Restricted Working Space, Add</i>	21.04	
40 05 23 23-0289	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Cap	126.55	51.91
		<i>For Work In Restricted Working Space, Add</i>	31.14	
40 05 23 23-0290	EA	3", 150#, Type 304 Stainless Steel Threaded Cap	168.03	68.26
		<i>For Work In Restricted Working Space, Add</i>	40.98	
40 05 23 23-0291	EA	4", 150#, Type 304 Stainless Steel Threaded Cap	226.22	86.55
		<i>For Work In Restricted Working Space, Add</i>	51.91	
40 05 23 23-0292		150#, Type 304 Stainless Steel Threaded Unions (40 05 23 23-0232)		
40 05 23 23-0293	EA	1/2", 150#, Type 304 Stainless Steel Threaded Union	72.65	31.66
		<i>For Work In Restricted Working Space, Add</i>	18.99	
40 05 23 23-0294	EA	3/4", 150#, Type 304 Stainless Steel Threaded Union	95.57	41.91
		<i>For Work In Restricted Working Space, Add</i>	25.12	
40 05 23 23-0295	EA	1", 150#, Type 304 Stainless Steel Threaded Union	121.71	51.91
		<i>For Work In Restricted Working Space, Add</i>	31.14	
40 05 23 23-0296	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Union	175.23	72.15
		<i>For Work In Restricted Working Space, Add</i>	43.25	
40 05 23 23-0297	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Union	197.30	81.10
		<i>For Work In Restricted Working Space, Add</i>	48.66	
40 05 23 23-0298	EA	2", 150#, Type 304 Stainless Steel Threaded Union	258.31	108.10
		<i>For Work In Restricted Working Space, Add</i>	64.88	
40 05 23 23-0299	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Union	438.25	162.21
		<i>For Work In Restricted Working Space, Add</i>	97.33	
40 05 23 23-0300	EA	3", 150#, Type 304 Stainless Steel Threaded Union	561.97	209.31
		<i>For Work In Restricted Working Space, Add</i>	125.59	
40 05 23 23-0301	EA	4", 150#, Type 304 Stainless Steel Threaded Union	578.77	173.04
		<i>For Work In Restricted Working Space, Add</i>	103.83	
40 05 23 23-0302		150#, Type 304 Stainless Steel Threaded Couplings (40 05 23 23-0232)		
40 05 23 23-0303	EA	1/2", 150#, Type 304 Stainless Steel Threaded Coupling	44.87	20.90
		<i>For Work In Restricted Working Space, Add</i>	12.56	
40 05 23 23-0304	EA	3/4", 150#, Type 304 Stainless Steel Threaded Coupling	59.56	27.64
		<i>For Work In Restricted Working Space, Add</i>	16.57	
40 05 23 23-0305	EA	1", 150#, Type 304 Stainless Steel Threaded Coupling	76.74	35.04
		<i>For Work In Restricted Working Space, Add</i>	21.04	
40 05 23 23-0306	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling	106.61	48.01
		<i>For Work In Restricted Working Space, Add</i>	28.84	
40 05 23 23-0307	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	125.29	56.44
		<i>For Work In Restricted Working Space, Add</i>	33.85	
40 05 23 23-0308	EA	2", 150#, Type 304 Stainless Steel Threaded Coupling	154.15	68.26
		<i>For Work In Restricted Working Space, Add</i>	40.98	
40 05 23 23-0309	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling	254.81	108.10
		<i>For Work In Restricted Working Space, Add</i>	64.88	
40 05 23 23-0310	EA	3", 150#, Type 304 Stainless Steel Threaded Coupling	328.86	139.50
		<i>For Work In Restricted Working Space, Add</i>	83.72	
40 05 23 23-0311	EA	4", 150#, Type 304 Stainless Steel Threaded Coupling	423.44	172.98
		<i>For Work In Restricted Working Space, Add</i>	103.81	
40 05 23 23-0312		Type 316, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings		
		(40 05 23 23-0231)		
40 05 23 23-0313		Type 316, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0312)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
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40 05 23 23-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	19.44	5.58
		<i>For Work In Restricted Working Space, Add</i>	3.34	
40 05 23 23-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	23.30	7.01
		<i>For Work In Restricted Working Space, Add</i>	4.19	
40 05 23 23-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	29.11	8.43
		<i>For Work In Restricted Working Space, Add</i>	5.03	
40 05 23 23-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	35.20	9.73
		<i>For Work In Restricted Working Space, Add</i>	5.86	
40 05 23 23-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	40.73	11.03
		<i>For Work In Restricted Working Space, Add</i>	6.65	
40 05 23 23-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	52.28	14.01
		<i>For Work In Restricted Working Space, Add</i>	8.37	
40 05 23 23-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	69.67	16.61
		<i>For Work In Restricted Working Space, Add</i>	9.98	
40 05 23 23-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	90.34	20.90
		<i>For Work In Restricted Working Space, Add</i>	12.56	
40 05 23 23-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting.....	120.88	27.64
		<i>For Work In Restricted Working Space, Add</i>	16.57	

40 05 23 23-0323 150#, Type 316 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0312)

40 05 23 23-0324	EA	1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	46.20	20.90
		<i>For Work In Restricted Working Space, Add</i>	12.56	
40 05 23 23-0325	EA	3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	61.48	27.64
		<i>For Work In Restricted Working Space, Add</i>	16.57	
40 05 23 23-0326	EA	1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	78.00	35.04
		<i>For Work In Restricted Working Space, Add</i>	21.04	
40 05 23 23-0327	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	109.62	48.01
		<i>For Work In Restricted Working Space, Add</i>	28.84	
40 05 23 23-0328	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	130.82	56.44
		<i>For Work In Restricted Working Space, Add</i>	33.85	
40 05 23 23-0329	EA	2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	159.33	68.26
		<i>For Work In Restricted Working Space, Add</i>	40.98	
40 05 23 23-0330	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	266.23	108.10
		<i>For Work In Restricted Working Space, Add</i>	64.88	
40 05 23 23-0331	EA	3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	347.79	139.50
		<i>For Work In Restricted Working Space, Add</i>	83.72	
40 05 23 23-0332	EA	4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow	472.34	172.98
		<i>For Work In Restricted Working Space, Add</i>	103.81	

40 05 23 23-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0312)

40 05 23 23-0334	EA	1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	47.01	20.90
		<i>For Work In Restricted Working Space, Add</i>	12.56	
40 05 23 23-0335	EA	3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	61.99	27.64
		<i>For Work In Restricted Working Space, Add</i>	16.57	
40 05 23 23-0336	EA	1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	78.60	35.04
		<i>For Work In Restricted Working Space, Add</i>	21.04	
40 05 23 23-0337	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	109.45	48.01
		<i>For Work In Restricted Working Space, Add</i>	28.84	
40 05 23 23-0338	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	128.69	56.44
		<i>For Work In Restricted Working Space, Add</i>	33.85	
40 05 23 23-0339	EA	2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	158.74	68.26
		<i>For Work In Restricted Working Space, Add</i>	40.98	
40 05 23 23-0340	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	274.28	108.10
		<i>For Work In Restricted Working Space, Add</i>	64.88	
40 05 23 23-0341	EA	3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	362.78	139.50
		<i>For Work In Restricted Working Space, Add</i>	83.72	
40 05 23 23-0342	EA	4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow	503.67	172.98
		<i>For Work In Restricted Working Space, Add</i>	103.81	

40 05 23 23-0343 150#, Type 316 Stainless Steel Threaded Tees (40 05 23 23-0312)

40 05 23 23-0344	EA	1/2", 150#, Type 316 Stainless Steel Threaded Tee.....	68.90	31.66
		<i>For Work In Restricted Working Space, Add</i>	18.99	
40 05 23 23-0345	EA	3/4", 150#, Type 316 Stainless Steel Threaded Tee.....	91.98	41.91
		<i>For Work In Restricted Working Space, Add</i>	25.12	
40 05 23 23-0346	EA	1", 150#, Type 316 Stainless Steel Threaded Tee.....	114.17	51.91
		<i>For Work In Restricted Working Space, Add</i>	31.14	
40 05 23 23-0347	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Tee	164.83	72.15
		<i>For Work In Restricted Working Space, Add</i>	43.25	
40 05 23 23-0348	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Tee	187.26	81.10
		<i>For Work In Restricted Working Space, Add</i>	48.66	
40 05 23 23-0349	EA	2", 150#, Type 316 Stainless Steel Threaded Tee.....	248.53	108.10
		<i>For Work In Restricted Working Space, Add</i>	64.88	
40 05 23 23-0350	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Tee	388.10	156.37
		<i>For Work In Restricted Working Space, Add</i>	93.81	
40 05 23 23-0351	EA	3", 150#, Type 316 Stainless Steel Threaded Tee.....	526.24	209.31
		<i>For Work In Restricted Working Space, Add</i>	125.58	
40 05 23 23-0352	EA	4", 150#, Type 316 Stainless Steel Threaded Tee.....	694.43	259.53
		<i>For Work In Restricted Working Space, Add</i>	155.72	

40 05 23 23-0353 150#, Type 316 Stainless Steel Threaded Reducers (40 05 23 23-0312)

40 05 23 23-0354	EA	3/4", 150#, Type 316 Stainless Steel Threaded Reducer	60.32	27.64
		<i>For Work In Restricted Working Space, Add</i>	16.57	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0355	EA	1", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	78.58 21.04	35.04
40 05 23 23-0356	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	105.00 28.84	48.01
40 05 23 23-0357	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	127.55 33.85	56.44
40 05 23 23-0358	EA	2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	161.38 40.98	68.26
40 05 23 23-0359	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	270.08 64.88	108.10
40 05 23 23-0360	EA	3", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	352.27 83.72	139.50
40 05 23 23-0361	EA	4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	467.43 103.81	172.98
40 05 23 23-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 23-0312)				
40 05 23 23-0363	EA	1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	23.75 6.28	10.51
40 05 23 23-0364	EA	3/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	31.13 8.37	14.01
40 05 23 23-0365	EA	1", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	39.55 10.38	17.26
40 05 23 23-0366	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	58.71 14.69	24.53
40 05 23 23-0367	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	67.71 16.57	27.64
40 05 23 23-0368	EA	2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	86.14 21.04	35.04
40 05 23 23-0369	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	132.17 31.14	51.91
40 05 23 23-0370	EA	3", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	173.73 40.98	68.26
40 05 23 23-0371	EA	4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	237.54 51.91	86.55
40 05 23 23-0372 150#, Type 316 Stainless Steel Threaded Unions (40 05 23 23-0312)				
40 05 23 23-0373	EA	1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	73.94 18.99	31.66
40 05 23 23-0374	EA	3/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	100.42 25.12	41.91
40 05 23 23-0375	EA	1", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	124.16 31.14	51.91
40 05 23 23-0376	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	179.40 43.25	72.15
40 05 23 23-0377	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	202.17 48.66	81.10
40 05 23 23-0378	EA	2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	263.95 64.88	108.10
40 05 23 23-0379	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	446.90 97.33	162.21
40 05 23 23-0380	EA	3", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	588.93 125.59	209.31
40 05 23 23-0381	EA	4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	636.22 103.83	173.04
40 05 23 23-0382 150#, Type 316 Stainless Steel Threaded Couplings (40 05 23 23-0312)				
40 05 23 23-0383	EA	1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	46.90 12.56	20.90
40 05 23 23-0384	EA	3/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	60.50 16.57	27.64
40 05 23 23-0385	EA	1", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	77.64 21.04	35.04
40 05 23 23-0386	EA	1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	108.04 28.84	48.01
40 05 23 23-0387	EA	1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	127.00 33.85	56.44
40 05 23 23-0388	EA	2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	156.52 40.98	68.26
40 05 23 23-0389	EA	2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	263.09 64.88	108.10
40 05 23 23-0390	EA	3", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	339.54 83.72	139.50
40 05 23 23-0391	EA	4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	439.45 103.81	172.98
40 05 23 23-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)				
40 05 23 23-0393 Type 304, Schedule 10 Stainless Steel Pipe (40 05 23 23-0392)				
40 05 23 23-0394	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	17.92 3.27	5.45
40 05 23 23-0395	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	21.45 4.00	6.66

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	27.73	7.87
		<i>For Work In Restricted Working Space, Add</i>	4.69	
40 05 23 23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	34.01	9.80
		<i>For Work In Restricted Working Space, Add</i>	5.86	
40 05 23 23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	37.93	11.02
		<i>For Work In Restricted Working Space, Add</i>	6.60	
40 05 23 23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	46.94	13.68
		<i>For Work In Restricted Working Space, Add</i>	8.18	
40 05 23 23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	55.62	15.62
		<i>For Work In Restricted Working Space, Add</i>	9.35	
40 05 23 23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	65.06	17.56
		<i>For Work In Restricted Working Space, Add</i>	10.52	
40 05 23 23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	80.86	20.82
		<i>For Work In Restricted Working Space, Add</i>	12.46	
40 05 23 23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	115.93	27.36
		<i>For Work In Restricted Working Space, Add</i>	16.36	
40 05 23 23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	195.68	47.46
		<i>For Work In Restricted Working Space, Add</i>	30.50	
40 05 23 23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	244.22	52.18
		<i>For Work In Restricted Working Space, Add</i>	33.54	
40 05 23 23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	289.28	58.02
		<i>For Work In Restricted Working Space, Add</i>	37.28	
40 05 23 23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	351.74	65.23
		<i>For Work In Restricted Working Space, Add</i>	41.93	
40 05 23 23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	389.15	74.54
		<i>For Work In Restricted Working Space, Add</i>	47.92	
40 05 23 23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	438.35	86.97
		<i>For Work In Restricted Working Space, Add</i>	55.91	
40 05 23 23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	597.48	104.37
		<i>For Work In Restricted Working Space, Add</i>	67.09	
40 05 23 23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	775.36	130.45
		<i>For Work In Restricted Working Space, Add</i>	83.87	

40 05 23 23-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow (40 05 23 23-0392)

40 05 23 23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	143.17	62.09
		<i>For Work In Restricted Working Space, Add</i>	41.39	
40 05 23 23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	151.66	65.91
		<i>For Work In Restricted Working Space, Add</i>	43.94	
40 05 23 23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	167.07	72.44
		<i>For Work In Restricted Working Space, Add</i>	48.29	
40 05 23 23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	182.32	78.95
		<i>For Work In Restricted Working Space, Add</i>	52.63	
40 05 23 23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	201.38	87.18
		<i>For Work In Restricted Working Space, Add</i>	58.12	
40 05 23 23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	225.01	96.99
		<i>For Work In Restricted Working Space, Add</i>	64.66	
40 05 23 23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	292.04	124.14
		<i>For Work In Restricted Working Space, Add</i>	82.76	
40 05 23 23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	342.54	145.49
		<i>For Work In Restricted Working Space, Add</i>	96.99	
40 05 23 23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	418.43	174.13
		<i>For Work In Restricted Working Space, Add</i>	116.09	
40 05 23 23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	567.70	217.53
		<i>For Work In Restricted Working Space, Add</i>	145.02	
40 05 23 23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	953.41	359.43
		<i>For Work In Restricted Working Space, Add</i>	239.61	
40 05 23 23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,396.79	479.21
		<i>For Work In Restricted Working Space, Add</i>	319.48	
40 05 23 23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,108.69	718.83
		<i>For Work In Restricted Working Space, Add</i>	479.22	
40 05 23 23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,491.19	838.64
		<i>For Work In Restricted Working Space, Add</i>	559.10	
40 05 23 23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,920.54	956.62
		<i>For Work In Restricted Working Space, Add</i>	637.75	
40 05 23 23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,688.96	1,198.07
		<i>For Work In Restricted Working Space, Add</i>	798.71	
40 05 23 23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	5,144.44	1,677.28
		<i>For Work In Restricted Working Space, Add</i>	1,118.18	
40 05 23 23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	7,382.77	2,396.11
		<i>For Work In Restricted Working Space, Add</i>	1,597.40	

40 05 23 23-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow (40 05 23 23-0392)

40 05 23 23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	144.70	62.09
		<i>For Work In Restricted Working Space, Add</i>	41.39	
40 05 23 23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	153.19	65.91
		<i>For Work In Restricted Working Space, Add</i>	43.94	
40 05 23 23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	168.90	72.44
		<i>For Work In Restricted Working Space, Add</i>	48.29	
40 05 23 23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	184.76	78.95
		<i>For Work In Restricted Working Space, Add</i>	52.63	
40 05 23 23-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	201.68	87.18
		<i>For Work In Restricted Working Space, Add</i>	58.12	
40 05 23 23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	225.01	96.99
		<i>For Work In Restricted Working Space, Add</i>	64.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0438	EA	2-1/2"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	290.51 82.76	124.14
40 05 23 23-0439	EA	3"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	339.79 96.99	145.49
40 05 23 23-0440	EA	4"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	413.24 116.09	174.13
40 05 23 23-0441	EA	6"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	540.52 145.02	217.53
40 05 23 23-0442	EA	8"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	900.97 239.61	359.43
40 05 23 23-0443	EA	10"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,303.44 319.48	479.21
40 05 23 23-0444	EA	12"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,960.90 479.22	718.83
40 05 23 23-0445	EA	14"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,309.79 559.10	838.64
40 05 23 23-0446	EA	16"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,696.66 637.75	956.62
40 05 23 23-0447	EA	18"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,394.96 798.71	1,198.07
40 05 23 23-0448	EA	20"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,747.73 1,118.18	1,677.28
40 05 23 23-0449	EA	24"	Type 304, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,820.02 1,597.40	2,396.11
40 05 23 23-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee (40 05 23 23-0392)					
40 05 23 23-0451	EA	1/2"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	192.19 52.62	78.92
40 05 23 23-0452	EA	3/4"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	232.09 64.59	96.89
40 05 23 23-0453	EA	1"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	258.70 72.57	108.85
40 05 23 23-0454	EA	1-1/4"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	294.51 82.76	124.14
40 05 23 23-0455	EA	1-1/2"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	312.90 88.83	133.24
40 05 23 23-0456	EA	2"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	340.98 96.89	145.32
40 05 23 23-0457	EA	2-1/2"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	437.82 116.09	174.13
40 05 23 23-0458	EA	3"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	517.94 145.49	218.23
40 05 23 23-0459	EA	4"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	593.74 163.28	244.92
40 05 23 23-0460	EA	6"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	857.33 217.71	326.55
40 05 23 23-0461	EA	8"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,375.35 319.48	479.21
40 05 23 23-0462	EA	10"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,108.69 479.22	718.83
40 05 23 23-0463	EA	12"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,706.95 599.03	898.54
40 05 23 23-0464	EA	14"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,325.55 719.86	1,079.80
40 05 23 23-0465	EA	16"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,029.94 878.15	1,317.24
40 05 23 23-0466	EA	18"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,128.14 1,118.18	1,677.28
40 05 23 23-0467	EA	20"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,851.58 1,471.30	2,206.95
40 05 23 23-0468	EA	24"	Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	10,379.44 2,236.37	3,354.56
40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0392)					
40 05 23 23-0470	EA	3/4"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	176.46 43.96	65.93
40 05 23 23-0471	EA	1"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	209.48 53.87	80.80
40 05 23 23-0472	EA	1-1/4"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	256.38 60.52	90.79
40 05 23 23-0473	EA	1-1/2"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	267.55 68.99	103.49
40 05 23 23-0474	EA	2"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	281.04 74.14	111.20
40 05 23 23-0475	EA	2-1/2"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	361.26 80.80	121.19
40 05 23 23-0476	EA	3"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	426.07 96.85	145.26
40 05 23 23-0477	EA	4"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	525.65 121.04	181.57
40 05 23 23-0478	EA	6"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	686.43 138.31	207.46
40 05 23 23-0479	EA	8"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,261.97 199.67	299.52
40 05 23 23-0480	EA	10"	Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,064.08 266.24	399.36

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0481	EA	12", Type 304, Schedule 10 Stainless Steel Reducing Tee.....	2,954.11	599.02
		<i>For Work In Restricted Working Space, Add</i>	399.35	
40 05 23 23-0482	EA	14", Type 304, Schedule 10 Stainless Steel Reducing Tee.....	3,582.90	719.66
		<i>For Work In Restricted Working Space, Add</i>	479.78	
40 05 23 23-0483	EA	16", Type 304, Schedule 10 Stainless Steel Reducing Tee.....	4,435.07	877.85
		<i>For Work In Restricted Working Space, Add</i>	585.23	
40 05 23 23-0484	EA	18", Type 304, Schedule 10 Stainless Steel Reducing Tee.....	5,724.50	1,118.19
		<i>For Work In Restricted Working Space, Add</i>	745.46	
40 05 23 23-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee.....	8,121.00	1,471.29
		<i>For Work In Restricted Working Space, Add</i>	980.87	
40 05 23 23-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee.....	12,692.12	2,234.39
		<i>For Work In Restricted Working Space, Add</i>	1,489.59	

40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0392)

40 05 23 23-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	143.62	59.96
		<i>For Work In Restricted Working Space, Add</i>	39.97	
40 05 23 23-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	158.03	65.34
		<i>For Work In Restricted Working Space, Add</i>	43.56	
40 05 23 23-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	175.18	72.44
		<i>For Work In Restricted Working Space, Add</i>	48.29	
40 05 23 23-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	186.73	78.95
		<i>For Work In Restricted Working Space, Add</i>	52.63	
40 05 23 23-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	203.82	87.18
		<i>For Work In Restricted Working Space, Add</i>	58.12	
40 05 23 23-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	272.02	108.94
		<i>For Work In Restricted Working Space, Add</i>	72.63	
40 05 23 23-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	307.68	124.02
		<i>For Work In Restricted Working Space, Add</i>	82.68	
40 05 23 23-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	359.67	145.32
		<i>For Work In Restricted Working Space, Add</i>	96.89	
40 05 23 23-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	463.68	185.01
		<i>For Work In Restricted Working Space, Add</i>	123.35	
40 05 23 23-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	723.35	287.53
		<i>For Work In Restricted Working Space, Add</i>	191.69	
40 05 23 23-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	919.11	359.43
		<i>For Work In Restricted Working Space, Add</i>	239.61	
40 05 23 23-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	1,235.48	479.21
		<i>For Work In Restricted Working Space, Add</i>	319.48	
40 05 23 23-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	1,752.43	628.98
		<i>For Work In Restricted Working Space, Add</i>	419.32	
40 05 23 23-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	2,046.13	716.78
		<i>For Work In Restricted Working Space, Add</i>	477.86	
40 05 23 23-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	2,521.57	898.54
		<i>For Work In Restricted Working Space, Add</i>	599.03	
40 05 23 23-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	3,529.36	1,198.07
		<i>For Work In Restricted Working Space, Add</i>	798.71	
40 05 23 23-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer.....	5,100.71	1,797.09
		<i>For Work In Restricted Working Space, Add</i>	1,198.06	
40 05 23 23-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	172.34	59.96
		<i>For Work In Restricted Working Space, Add</i>	39.97	
40 05 23 23-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	179.10	65.34
		<i>For Work In Restricted Working Space, Add</i>	43.56	
40 05 23 23-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	189.61	72.44
		<i>For Work In Restricted Working Space, Add</i>	48.29	
40 05 23 23-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	213.00	78.95
		<i>For Work In Restricted Working Space, Add</i>	52.63	
40 05 23 23-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	222.76	87.18
		<i>For Work In Restricted Working Space, Add</i>	58.12	
40 05 23 23-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	292.79	108.94
		<i>For Work In Restricted Working Space, Add</i>	72.63	
40 05 23 23-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	328.14	124.02
		<i>For Work In Restricted Working Space, Add</i>	82.68	
40 05 23 23-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	375.49	145.32
		<i>For Work In Restricted Working Space, Add</i>	96.89	
40 05 23 23-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	520.80	185.01
		<i>For Work In Restricted Working Space, Add</i>	123.35	
40 05 23 23-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	845.78	287.53
		<i>For Work In Restricted Working Space, Add</i>	191.69	
40 05 23 23-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	1,157.93	359.43
		<i>For Work In Restricted Working Space, Add</i>	239.61	
40 05 23 23-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	1,456.16	479.21
		<i>For Work In Restricted Working Space, Add</i>	319.48	
40 05 23 23-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	2,261.51	628.98
		<i>For Work In Restricted Working Space, Add</i>	419.32	
40 05 23 23-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	2,629.45	716.78
		<i>For Work In Restricted Working Space, Add</i>	477.86	
40 05 23 23-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	3,233.49	898.54
		<i>For Work In Restricted Working Space, Add</i>	599.03	
40 05 23 23-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	4,670.18	1,198.07
		<i>For Work In Restricted Working Space, Add</i>	798.71	
40 05 23 23-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer.....	6,612.64	1,797.09
		<i>For Work In Restricted Working Space, Add</i>	1,198.06	

40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0392)

40 05 23 23-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap.....	78.47	31.05
		<i>For Work In Restricted Working Space, Add</i>	20.70	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	86.06 21.97	32.95
40 05 23 23-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	94.54 24.15	36.21
40 05 23 23-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	104.06 26.31	39.48
40 05 23 23-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	111.84 29.06	43.59
40 05 23 23-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	120.89 32.33	48.50
40 05 23 23-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	156.87 41.38	62.07
40 05 23 23-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	177.84 48.50	72.74
40 05 23 23-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	214.26 58.05	87.07
40 05 23 23-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	275.99 72.63	108.94
40 05 23 23-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	460.39 119.81	179.71
40 05 23 23-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	613.09 159.74	239.62
40 05 23 23-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	903.78 239.61	359.41
40 05 23 23-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,060.59 279.55	419.31
40 05 23 23-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,229.00 318.88	478.31
40 05 23 23-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,551.77 399.35	599.02
40 05 23 23-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,144.14 559.10	838.64
40 05 23 23-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,156.58 798.71	1,198.04
40 05 23 23-0541		Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)		
40 05 23 23-0542		Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 23-0541)		
40 05 23 23-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	19.65 3.27	5.45
40 05 23 23-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	23.90 4.00	6.66
40 05 23 23-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	29.05 4.69	7.87
40 05 23 23-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	36.31 5.86	9.68
40 05 23 23-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	41.67 6.60	10.89
40 05 23 23-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	53.10 8.18	13.92
40 05 23 23-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	65.02 9.35	15.74
40 05 23 23-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	64.90 10.52	17.56
40 05 23 23-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	101.82 12.46	20.58
40 05 23 23-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	155.27 16.36	27.24
40 05 23 23-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	274.36 30.50	47.22
40 05 23 23-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	342.09 33.54	52.18
40 05 23 23-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	421.69 37.28	57.78
40 05 23 23-0556		Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0541)		
40 05 23 23-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	144.39 41.39	62.09
40 05 23 23-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	152.88 43.94	65.91
40 05 23 23-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	167.98 48.29	72.44
40 05 23 23-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	182.98 52.63	78.95
40 05 23 23-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	201.99 58.12	87.18
40 05 23 23-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	227.15 64.66	96.99
40 05 23 23-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	299.98 82.76	124.14
40 05 23 23-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	354.15 96.99	145.49
40 05 23 23-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	437.98 116.09	174.13

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0566	EA 6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	692.62	217.53
	<i>For Work In Restricted Working Space, Add</i>	145.02	
40 05 23 23-0567	EA 8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	1,123.63	359.43
	<i>For Work In Restricted Working Space, Add</i>	239.61	
40 05 23 23-0568	EA 10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	1,742.16	479.21
	<i>For Work In Restricted Working Space, Add</i>	319.48	
40 05 23 23-0569	EA 12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	2,556.64	718.83
	<i>For Work In Restricted Working Space, Add</i>	479.22	
40 05 23 23-0570	EA 14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	3,034.62	838.64
	<i>For Work In Restricted Working Space, Add</i>	559.10	
40 05 23 23-0571	EA 16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	3,618.65	956.62
	<i>For Work In Restricted Working Space, Add</i>	637.75	
40 05 23 23-0572	EA 18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	4,658.97	1,198.07
	<i>For Work In Restricted Working Space, Add</i>	798.71	
40 05 23 23-0573	EA 20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	6,341.70	1,677.28
	<i>For Work In Restricted Working Space, Add</i>	1,118.18	
40 05 23 23-0574	EA 24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	9,090.86	2,396.11
	<i>For Work In Restricted Working Space, Add</i>	1,597.40	

40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0541)

40 05 23 23-0576	EA 1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	146.53	62.09
	<i>For Work In Restricted Working Space, Add</i>	41.39	
40 05 23 23-0577	EA 3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	155.02	65.91
	<i>For Work In Restricted Working Space, Add</i>	43.94	
40 05 23 23-0578	EA 1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	169.51	72.44
	<i>For Work In Restricted Working Space, Add</i>	48.29	
40 05 23 23-0579	EA 1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	184.54	78.95
	<i>For Work In Restricted Working Space, Add</i>	52.63	
40 05 23 23-0580	EA 1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	203.51	87.18
	<i>For Work In Restricted Working Space, Add</i>	58.12	
40 05 23 23-0581	EA 2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	227.47	96.99
	<i>For Work In Restricted Working Space, Add</i>	64.66	
40 05 23 23-0582	EA 2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	299.98	124.14
	<i>For Work In Restricted Working Space, Add</i>	82.76	
40 05 23 23-0583	EA 3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	345.60	145.49
	<i>For Work In Restricted Working Space, Add</i>	96.99	
40 05 23 23-0584	EA 4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	442.56	174.13
	<i>For Work In Restricted Working Space, Add</i>	116.09	
40 05 23 23-0585	EA 6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	588.47	217.53
	<i>For Work In Restricted Working Space, Add</i>	145.02	
40 05 23 23-0586	EA 8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,014.44	359.43
	<i>For Work In Restricted Working Space, Add</i>	239.61	
40 05 23 23-0587	EA 10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,469.37	479.21
	<i>For Work In Restricted Working Space, Add</i>	319.48	
40 05 23 23-0588	EA 12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,154.22	718.83
	<i>For Work In Restricted Working Space, Add</i>	479.22	
40 05 23 23-0589	EA 14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,446.12	838.64
	<i>For Work In Restricted Working Space, Add</i>	559.10	
40 05 23 23-0590	EA 16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,917.97	956.62
	<i>For Work In Restricted Working Space, Add</i>	637.75	
40 05 23 23-0591	EA 18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	3,681.45	1,198.07
	<i>For Work In Restricted Working Space, Add</i>	798.71	
40 05 23 23-0592	EA 20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	5,022.68	1,677.28
	<i>For Work In Restricted Working Space, Add</i>	1,118.18	
40 05 23 23-0593	EA 24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	7,286.87	2,396.11
	<i>For Work In Restricted Working Space, Add</i>	1,597.40	

40 05 23 23-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0541)

40 05 23 23-0595	EA 1/2", Type 304, Schedule 40 Stainless Steel Tee.....	193.41	78.92
	<i>For Work In Restricted Working Space, Add</i>	52.62	
40 05 23 23-0596	EA 3/4", Type 304, Schedule 40 Stainless Steel Tee.....	233.31	96.89
	<i>For Work In Restricted Working Space, Add</i>	64.59	
40 05 23 23-0597	EA 1", Type 304, Schedule 40 Stainless Steel Tee.....	259.92	108.85
	<i>For Work In Restricted Working Space, Add</i>	72.57	
40 05 23 23-0598	EA 1-1/4", Type 304, Schedule 40 Stainless Steel Tee.....	297.62	124.14
	<i>For Work In Restricted Working Space, Add</i>	82.76	
40 05 23 23-0599	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Tee.....	314.12	133.24
	<i>For Work In Restricted Working Space, Add</i>	88.83	
40 05 23 23-0600	EA 2", Type 304, Schedule 40 Stainless Steel Tee.....	342.51	145.32
	<i>For Work In Restricted Working Space, Add</i>	96.89	
40 05 23 23-0601	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Tee.....	441.95	174.13
	<i>For Work In Restricted Working Space, Add</i>	116.09	
40 05 23 23-0602	EA 3", Type 304, Schedule 40 Stainless Steel Tee.....	524.35	218.23
	<i>For Work In Restricted Working Space, Add</i>	145.49	
40 05 23 23-0603	EA 4", Type 304, Schedule 40 Stainless Steel Tee.....	600.76	244.92
	<i>For Work In Restricted Working Space, Add</i>	163.28	
40 05 23 23-0604	EA 6", Type 304, Schedule 40 Stainless Steel Tee.....	905.89	326.55
	<i>For Work In Restricted Working Space, Add</i>	217.71	
40 05 23 23-0605	EA 8", Type 304, Schedule 40 Stainless Steel Tee.....	1,519.50	479.21
	<i>For Work In Restricted Working Space, Add</i>	319.48	
40 05 23 23-0606	EA 10", Type 304, Schedule 40 Stainless Steel Tee.....	2,551.05	718.83
	<i>For Work In Restricted Working Space, Add</i>	479.22	
40 05 23 23-0607	EA 12", Type 304, Schedule 40 Stainless Steel Tee.....	3,173.38	898.54
	<i>For Work In Restricted Working Space, Add</i>	599.03	
40 05 23 23-0608	EA 14", Type 304, Schedule 40 Stainless Steel Tee.....	4,265.42	1,079.80
	<i>For Work In Restricted Working Space, Add</i>	719.86	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,402.10 878.15	1,317.24
40 05 23 23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	6,991.19 1,118.18	1,677.28
40 05 23 23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	9,036.89 1,471.30	2,206.95
40 05 23 23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	13,828.65 2,236.37	3,354.56
40 05 23 23-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0541)				
40 05 23 23-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	180.43 43.96	65.93
40 05 23 23-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	213.45 53.87	80.80
40 05 23 23-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	275.49 60.52	90.79
40 05 23 23-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	273.35 68.99	103.49
40 05 23 23-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	281.04 74.14	111.20
40 05 23 23-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	341.74 80.80	121.19
40 05 23 23-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	383.00 96.85	145.26
40 05 23 23-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	503.05 121.04	181.57
40 05 23 23-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	690.09 138.31	207.46
40 05 23 23-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,132.33 199.67	299.52
40 05 23 23-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,104.65 266.24	399.36
40 05 23 23-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,035.26 399.35	599.02
40 05 23 23-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,469.04 479.78	719.66
40 05 23 23-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,292.47 585.23	877.85
40 05 23 23-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,538.55 745.46	1,118.19
40 05 23 23-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	7,842.53 980.87	1,471.29
40 05 23 23-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	12,248.61 1,489.59	2,234.39
40 05 23 23-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0541)				
40 05 23 23-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	146.68 39.97	59.96
40 05 23 23-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	161.08 43.56	65.34
40 05 23 23-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	175.40 48.29	72.44
40 05 23 23-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	189.79 52.63	78.95
40 05 23 23-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	205.65 58.12	87.18
40 05 23 23-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	272.02 72.63	108.94
40 05 23 23-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	296.68 82.68	124.02
40 05 23 23-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	344.03 96.89	145.32
40 05 23 23-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	466.13 123.35	185.01
40 05 23 23-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	775.21 191.69	287.53
40 05 23 23-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,008.18 239.61	359.43
40 05 23 23-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,314.97 319.48	479.21
40 05 23 23-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,930.83 419.32	628.98
40 05 23 23-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,270.39 477.86	716.78
40 05 23 23-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,975.71 599.03	898.54
40 05 23 23-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,065.04 798.71	1,198.07
40 05 23 23-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,655.46 1,198.06	1,797.09
40 05 23 23-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	173.58 39.97	59.96
40 05 23 23-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	185.52 43.56	65.34
40 05 23 23-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	211.61 48.29	72.44

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0652	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	224.30	78.95
	<i>For Work In Restricted Working Space, Add</i>	52.63	
40 05 23 23-0653	EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	240.17	87.18
	<i>For Work In Restricted Working Space, Add</i>	58.12	
40 05 23 23-0654	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	292.79	108.94
	<i>For Work In Restricted Working Space, Add</i>	72.63	
40 05 23 23-0655	EA 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	366.02	124.02
	<i>For Work In Restricted Working Space, Add</i>	82.68	
40 05 23 23-0656	EA 4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	401.15	145.32
	<i>For Work In Restricted Working Space, Add</i>	96.89	
40 05 23 23-0657	EA 6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	546.15	185.01
	<i>For Work In Restricted Working Space, Add</i>	123.35	
40 05 23 23-0658	EA 8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	848.44	287.53
	<i>For Work In Restricted Working Space, Add</i>	191.69	
40 05 23 23-0659	EA 10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	1,155.62	359.43
	<i>For Work In Restricted Working Space, Add</i>	239.61	
40 05 23 23-0660	EA 12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	1,576.23	479.21
	<i>For Work In Restricted Working Space, Add</i>	319.48	
40 05 23 23-0661	EA 14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	2,571.20	628.98
	<i>For Work In Restricted Working Space, Add</i>	419.32	
40 05 23 23-0662	EA 16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	2,916.69	716.78
	<i>For Work In Restricted Working Space, Add</i>	477.86	
40 05 23 23-0663	EA 18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	3,811.83	898.54
	<i>For Work In Restricted Working Space, Add</i>	599.03	
40 05 23 23-0664	EA 20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	4,955.60	1,198.07
	<i>For Work In Restricted Working Space, Add</i>	798.71	
40 05 23 23-0665	EA 24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer.....	7,877.73	1,797.09
	<i>For Work In Restricted Working Space, Add</i>	1,198.06	

40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0541)

40 05 23 23-0667	EA 1/2", Type 304, Schedule 40 Stainless Steel Cap.....	79.38	31.05
	<i>For Work In Restricted Working Space, Add</i>	20.70	
40 05 23 23-0668	EA 3/4", Type 304, Schedule 40 Stainless Steel Cap.....	85.14	32.95
	<i>For Work In Restricted Working Space, Add</i>	21.97	
40 05 23 23-0669	EA 1", Type 304, Schedule 40 Stainless Steel Cap.....	95.46	36.21
	<i>For Work In Restricted Working Space, Add</i>	24.15	
40 05 23 23-0670	EA 1-1/4", Type 304, Schedule 40 Stainless Steel Cap.....	108.15	39.48
	<i>For Work In Restricted Working Space, Add</i>	26.31	
40 05 23 23-0671	EA 1-1/2", Type 304, Schedule 40 Stainless Steel Cap.....	115.81	43.59
	<i>For Work In Restricted Working Space, Add</i>	29.06	
40 05 23 23-0672	EA 2", Type 304, Schedule 40 Stainless Steel Cap.....	120.59	48.50
	<i>For Work In Restricted Working Space, Add</i>	32.33	
40 05 23 23-0673	EA 2-1/2", Type 304, Schedule 40 Stainless Steel Cap.....	154.81	62.07
	<i>For Work In Restricted Working Space, Add</i>	41.38	
40 05 23 23-0674	EA 3", Type 304, Schedule 40 Stainless Steel Cap.....	179.06	72.74
	<i>For Work In Restricted Working Space, Add</i>	48.50	
40 05 23 23-0675	EA 4", Type 304, Schedule 40 Stainless Steel Cap.....	217.92	87.07
	<i>For Work In Restricted Working Space, Add</i>	58.05	
40 05 23 23-0676	EA 6", Type 304, Schedule 40 Stainless Steel Cap.....	298.59	108.94
	<i>For Work In Restricted Working Space, Add</i>	72.63	
40 05 23 23-0677	EA 8", Type 304, Schedule 40 Stainless Steel Cap.....	496.68	179.71
	<i>For Work In Restricted Working Space, Add</i>	119.81	
40 05 23 23-0678	EA 10", Type 304, Schedule 40 Stainless Steel Cap.....	664.41	239.62
	<i>For Work In Restricted Working Space, Add</i>	159.74	
40 05 23 23-0679	EA 12", Type 304, Schedule 40 Stainless Steel Cap.....	1,001.57	359.41
	<i>For Work In Restricted Working Space, Add</i>	239.61	
40 05 23 23-0680	EA 14", Type 304, Schedule 40 Stainless Steel Cap.....	1,150.17	419.31
	<i>For Work In Restricted Working Space, Add</i>	279.55	
40 05 23 23-0681	EA 16", Type 304, Schedule 40 Stainless Steel Cap.....	1,352.23	478.31
	<i>For Work In Restricted Working Space, Add</i>	318.88	
40 05 23 23-0682	EA 18", Type 304, Schedule 40 Stainless Steel Cap.....	1,697.83	599.02
	<i>For Work In Restricted Working Space, Add</i>	399.35	
40 05 23 23-0683	EA 20", Type 304, Schedule 40 Stainless Steel Cap.....	2,338.92	838.64
	<i>For Work In Restricted Working Space, Add</i>	559.10	
40 05 23 23-0684	EA 24", Type 304, Schedule 40 Stainless Steel Cap.....	3,482.24	1,198.04
	<i>For Work In Restricted Working Space, Add</i>	798.71	

40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)**40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe (40 05 23 23-0685)**

40 05 23 23-0687	LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	20.11	5.45
	<i>For Work In Restricted Working Space, Add</i>	3.27	
40 05 23 23-0688	LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	23.99	6.66
	<i>For Work In Restricted Working Space, Add</i>	4.00	
40 05 23 23-0689	LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	31.52	7.87
	<i>For Work In Restricted Working Space, Add</i>	4.69	
40 05 23 23-0690	LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	38.53	9.80
	<i>For Work In Restricted Working Space, Add</i>	5.86	
40 05 23 23-0691	LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	42.90	11.02
	<i>For Work In Restricted Working Space, Add</i>	6.60	
40 05 23 23-0692	LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	53.08	13.68
	<i>For Work In Restricted Working Space, Add</i>	8.18	
40 05 23 23-0693	LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	63.26	15.62
	<i>For Work In Restricted Working Space, Add</i>	9.35	
40 05 23 23-0694	LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting.....	74.43	17.56
	<i>For Work In Restricted Working Space, Add</i>	10.52	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0695	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	93.14	20.82
		<i>For Work In Restricted Working Space, Add</i>	12.46	
40 05 23 23-0696	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	135.10	27.36
		<i>For Work In Restricted Working Space, Add</i>	16.36	
40 05 23 23-0697	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	225.04	47.46
		<i>For Work In Restricted Working Space, Add</i>	30.50	
40 05 23 23-0698	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	285.57	52.18
		<i>For Work In Restricted Working Space, Add</i>	33.54	
40 05 23 23-0699	LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	340.82	58.02
		<i>For Work In Restricted Working Space, Add</i>	37.28	
40 05 23 23-0700	LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	417.94	65.23
		<i>For Work In Restricted Working Space, Add</i>	41.93	
40 05 23 23-0701	LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	460.80	74.54
		<i>For Work In Restricted Working Space, Add</i>	47.92	
40 05 23 23-0702	LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	517.05	86.97
		<i>For Work In Restricted Working Space, Add</i>	55.91	
40 05 23 23-0703	LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	714.22	104.37
		<i>For Work In Restricted Working Space, Add</i>	67.09	
40 05 23 23-0704	LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	930.20	130.45
		<i>For Work In Restricted Working Space, Add</i>	83.87	
40 05 23 23-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0695)				
40 05 23 23-0706	EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	144.70	62.09
		<i>For Work In Restricted Working Space, Add</i>	41.39	
40 05 23 23-0707	EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	153.19	65.91
		<i>For Work In Restricted Working Space, Add</i>	43.94	
40 05 23 23-0708	EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	168.90	72.44
		<i>For Work In Restricted Working Space, Add</i>	48.29	
40 05 23 23-0709	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	184.98	78.95
		<i>For Work In Restricted Working Space, Add</i>	52.63	
40 05 23 23-0710	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	203.21	87.18
		<i>For Work In Restricted Working Space, Add</i>	58.12	
40 05 23 23-0711	EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	227.15	96.99
		<i>For Work In Restricted Working Space, Add</i>	64.66	
40 05 23 23-0712	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	296.01	124.14
		<i>For Work In Restricted Working Space, Add</i>	82.76	
40 05 23 23-0713	EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	348.35	145.49
		<i>For Work In Restricted Working Space, Add</i>	96.99	
40 05 23 23-0714	EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	427.29	174.13
		<i>For Work In Restricted Working Space, Add</i>	116.09	
40 05 23 23-0715	EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	590.91	217.53
		<i>For Work In Restricted Working Space, Add</i>	145.02	
40 05 23 23-0716	EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	996.63	359.43
		<i>For Work In Restricted Working Space, Add</i>	239.61	
40 05 23 23-0717	EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,496.72	479.21
		<i>For Work In Restricted Working Space, Add</i>	319.48	
40 05 23 23-0718	EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,244.93	718.83
		<i>For Work In Restricted Working Space, Add</i>	479.22	
40 05 23 23-0719	EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,619.39	838.64
		<i>For Work In Restricted Working Space, Add</i>	559.10	
40 05 23 23-0720	EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,123.32	956.62
		<i>For Work In Restricted Working Space, Add</i>	637.75	
40 05 23 23-0721	EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,932.12	1,198.07
		<i>For Work In Restricted Working Space, Add</i>	798.71	
40 05 23 23-0722	EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	5,491.80	1,677.28
		<i>For Work In Restricted Working Space, Add</i>	1,118.18	
40 05 23 23-0723	EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	7,898.93	2,396.11
		<i>For Work In Restricted Working Space, Add</i>	1,597.40	
40 05 23 23-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0695)				
40 05 23 23-0725	EA	1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	146.53	62.09
		<i>For Work In Restricted Working Space, Add</i>	41.39	
40 05 23 23-0726	EA	3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	155.02	65.91
		<i>For Work In Restricted Working Space, Add</i>	43.94	
40 05 23 23-0727	EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	170.73	72.44
		<i>For Work In Restricted Working Space, Add</i>	48.29	
40 05 23 23-0728	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	187.43	78.95
		<i>For Work In Restricted Working Space, Add</i>	52.63	
40 05 23 23-0729	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	203.21	87.18
		<i>For Work In Restricted Working Space, Add</i>	58.12	
40 05 23 23-0730	EA	2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	227.15	96.99
		<i>For Work In Restricted Working Space, Add</i>	64.66	
40 05 23 23-0731	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	294.18	124.14
		<i>For Work In Restricted Working Space, Add</i>	82.76	
40 05 23 23-0732	EA	3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	345.60	145.49
		<i>For Work In Restricted Working Space, Add</i>	96.99	
40 05 23 23-0733	EA	4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	420.87	174.13
		<i>For Work In Restricted Working Space, Add</i>	116.09	
40 05 23 23-0734	EA	6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	553.04	217.53
		<i>For Work In Restricted Working Space, Add</i>	145.02	
40 05 23 23-0735	EA	8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	928.67	359.43
		<i>For Work In Restricted Working Space, Add</i>	239.61	
40 05 23 23-0736	EA	10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,469.37	479.21
		<i>For Work In Restricted Working Space, Add</i>	319.48	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
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 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0737	EA 12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	2,154.22	718.83
	<i>For Work In Restricted Working Space, Add</i>	479.22	
40 05 23 23-0738	EA 14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	2,534.39	838.64
	<i>For Work In Restricted Working Space, Add</i>	559.10	
40 05 23 23-0739	EA 16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	2,967.47	956.62
	<i>For Work In Restricted Working Space, Add</i>	637.75	
40 05 23 23-0740	EA 18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	3,748.59	1,198.07
	<i>For Work In Restricted Working Space, Add</i>	798.71	
40 05 23 23-0741	EA 20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	5,326.89	1,677.28
	<i>For Work In Restricted Working Space, Add</i>	1,118.18	
40 05 23 23-0742	EA 24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow.....	7,679.29	2,396.11
	<i>For Work In Restricted Working Space, Add</i>	1,597.40	

40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees (40 05 23 23-0685)

40 05 23 23-0744	EA 1/2", Type 316, Schedule 10 Stainless Steel Tee.....	196.16	78.92
	<i>For Work In Restricted Working Space, Add</i>	52.62	
40 05 23 23-0745	EA 3/4", Type 316, Schedule 10 Stainless Steel Tee.....	236.06	96.89
	<i>For Work In Restricted Working Space, Add</i>	64.59	
40 05 23 23-0746	EA 1", Type 316, Schedule 10 Stainless Steel Tee.....	262.67	108.85
	<i>For Work In Restricted Working Space, Add</i>	72.57	
40 05 23 23-0747	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Tee.....	301.84	124.14
	<i>For Work In Restricted Working Space, Add</i>	82.76	
40 05 23 23-0748	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Tee.....	318.70	133.24
	<i>For Work In Restricted Working Space, Add</i>	88.83	
40 05 23 23-0749	EA 2", Type 316, Schedule 10 Stainless Steel Tee.....	346.17	145.32
	<i>For Work In Restricted Working Space, Add</i>	96.89	
40 05 23 23-0750	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Tee.....	421.18	174.13
	<i>For Work In Restricted Working Space, Add</i>	116.09	
40 05 23 23-0751	EA 3", Type 316, Schedule 10 Stainless Steel Tee.....	528.02	218.23
	<i>For Work In Restricted Working Space, Add</i>	145.49	
40 05 23 23-0752	EA 4", Type 316, Schedule 10 Stainless Steel Tee.....	607.48	244.92
	<i>For Work In Restricted Working Space, Add</i>	163.28	
40 05 23 23-0753	EA 6", Type 316, Schedule 10 Stainless Steel Tee.....	896.73	326.55
	<i>For Work In Restricted Working Space, Add</i>	217.71	
40 05 23 23-0754	EA 8", Type 316, Schedule 10 Stainless Steel Tee.....	1,478.91	479.21
	<i>For Work In Restricted Working Space, Add</i>	319.48	
40 05 23 23-0755	EA 10", Type 316, Schedule 10 Stainless Steel Tee.....	2,307.60	718.83
	<i>For Work In Restricted Working Space, Add</i>	479.22	
40 05 23 23-0756	EA 12", Type 316, Schedule 10 Stainless Steel Tee.....	2,970.50	898.54
	<i>For Work In Restricted Working Space, Add</i>	599.03	
40 05 23 23-0757	EA 14", Type 316, Schedule 10 Stainless Steel Tee.....	3,814.23	1,079.80
	<i>For Work In Restricted Working Space, Add</i>	719.86	
40 05 23 23-0758	EA 16", Type 316, Schedule 10 Stainless Steel Tee.....	4,503.20	1,317.24
	<i>For Work In Restricted Working Space, Add</i>	878.15	
40 05 23 23-0759	EA 18", Type 316, Schedule 10 Stainless Steel Tee.....	5,723.60	1,677.28
	<i>For Work In Restricted Working Space, Add</i>	1,118.18	
40 05 23 23-0760	EA 20", Type 316, Schedule 10 Stainless Steel Tee.....	7,719.92	2,206.95
	<i>For Work In Restricted Working Space, Add</i>	1,471.30	
40 05 23 23-0761	EA 24", Type 316, Schedule 10 Stainless Steel Tee.....	11,041.03	3,354.56
	<i>For Work In Restricted Working Space, Add</i>	2,236.37	

40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0685)

40 05 23 23-0763	EA 3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	185.93	65.93
	<i>For Work In Restricted Working Space, Add</i>	43.96	
40 05 23 23-0764	EA 1", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	220.78	80.80
	<i>For Work In Restricted Working Space, Add</i>	53.87	
40 05 23 23-0765	EA 1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	270.16	90.79
	<i>For Work In Restricted Working Space, Add</i>	60.52	
40 05 23 23-0766	EA 1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	277.02	103.49
	<i>For Work In Restricted Working Space, Add</i>	68.99	
40 05 23 23-0767	EA 2", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	294.18	111.20
	<i>For Work In Restricted Working Space, Add</i>	74.14	
40 05 23 23-0768	EA 2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	400.97	121.19
	<i>For Work In Restricted Working Space, Add</i>	80.80	
40 05 23 23-0769	EA 3", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	390.33	145.26
	<i>For Work In Restricted Working Space, Add</i>	96.85	
40 05 23 23-0770	EA 4", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	525.65	181.57
	<i>For Work In Restricted Working Space, Add</i>	121.04	
40 05 23 23-0771	EA 6", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	742.93	207.46
	<i>For Work In Restricted Working Space, Add</i>	138.31	
40 05 23 23-0772	EA 8", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	1,426.25	299.52
	<i>For Work In Restricted Working Space, Add</i>	199.67	
40 05 23 23-0773	EA 10", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	2,611.99	399.36
	<i>For Work In Restricted Working Space, Add</i>	266.24	
40 05 23 23-0774	EA 12", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	3,420.87	599.02
	<i>For Work In Restricted Working Space, Add</i>	399.35	
40 05 23 23-0775	EA 14", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	3,892.14	719.66
	<i>For Work In Restricted Working Space, Add</i>	479.78	
40 05 23 23-0776	EA 16", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	4,822.36	877.85
	<i>For Work In Restricted Working Space, Add</i>	585.23	
40 05 23 23-0777	EA 18", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	6,229.54	1,118.19
	<i>For Work In Restricted Working Space, Add</i>	745.46	
40 05 23 23-0778	EA 20", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	8,877.31	1,471.29
	<i>For Work In Restricted Working Space, Add</i>	980.87	
40 05 23 23-0779	EA 24", Type 316, Schedule 10 Stainless Steel Reducing Tee.....	13,896.70	2,234.39
	<i>For Work In Restricted Working Space, Add</i>	1,489.59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0685)		
40 05 23 23-0781 EA 3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	146.37	59.96
For Work In Restricted Working Space, Add	39.97	
40 05 23 23-0782 EA 1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	161.39	65.34
For Work In Restricted Working Space, Add	43.56	
40 05 23 23-0783 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	180.06	72.44
For Work In Restricted Working Space, Add	48.29	
40 05 23 23-0784 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	188.87	78.95
For Work In Restricted Working Space, Add	52.63	
40 05 23 23-0785 EA 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	205.65	87.18
For Work In Restricted Working Space, Add	58.12	
40 05 23 23-0786 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	270.74	108.94
For Work In Restricted Working Space, Add	72.63	
40 05 23 23-0787 EA 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	315.01	124.02
For Work In Restricted Working Space, Add	82.68	
40 05 23 23-0788 EA 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	346.21	145.32
For Work In Restricted Working Space, Add	96.89	
40 05 23 23-0789 EA 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	478.65	185.01
For Work In Restricted Working Space, Add	123.35	
40 05 23 23-0790 EA 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	739.00	287.53
For Work In Restricted Working Space, Add	191.69	
40 05 23 23-0791 EA 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	955.74	359.43
For Work In Restricted Working Space, Add	239.61	
40 05 23 23-0792 EA 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,278.70	479.21
For Work In Restricted Working Space, Add	319.48	
40 05 23 23-0793 EA 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,811.95	628.98
For Work In Restricted Working Space, Add	419.32	
40 05 23 23-0794 EA 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,102.49	716.78
For Work In Restricted Working Space, Add	477.86	
40 05 23 23-0795 EA 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,604.42	898.54
For Work In Restricted Working Space, Add	599.03	
40 05 23 23-0796 EA 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,657.37	1,198.07
For Work In Restricted Working Space, Add	798.71	
40 05 23 23-0797 EA 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	5,327.67	1,797.09
For Work In Restricted Working Space, Add	1,198.06	
40 05 23 23-0798 EA 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	170.11	59.96
For Work In Restricted Working Space, Add	39.97	
40 05 23 23-0799 EA 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	189.58	65.34
For Work In Restricted Working Space, Add	43.56	
40 05 23 23-0800 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	213.49	72.44
For Work In Restricted Working Space, Add	48.29	
40 05 23 23-0801 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	227.96	78.95
For Work In Restricted Working Space, Add	52.63	
40 05 23 23-0802 EA 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	229.78	87.18
For Work In Restricted Working Space, Add	58.12	
40 05 23 23-0803 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	304.09	108.94
For Work In Restricted Working Space, Add	72.63	
40 05 23 23-0804 EA 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	349.22	124.02
For Work In Restricted Working Space, Add	82.68	
40 05 23 23-0805 EA 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	392.60	145.32
For Work In Restricted Working Space, Add	96.89	
40 05 23 23-0806 EA 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	558.37	185.01
For Work In Restricted Working Space, Add	123.35	
40 05 23 23-0807 EA 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	911.76	287.53
For Work In Restricted Working Space, Add	191.69	
40 05 23 23-0808 EA 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,253.27	359.43
For Work In Restricted Working Space, Add	239.61	
40 05 23 23-0809 EA 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,587.44	479.21
For Work In Restricted Working Space, Add	319.48	
40 05 23 23-0810 EA 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,397.43	628.98
For Work In Restricted Working Space, Add	419.32	
40 05 23 23-0811 EA 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,810.13	716.78
For Work In Restricted Working Space, Add	477.86	
40 05 23 23-0812 EA 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,483.60	898.54
For Work In Restricted Working Space, Add	599.03	
40 05 23 23-0813 EA 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	5,063.46	1,198.07
For Work In Restricted Working Space, Add	798.71	
40 05 23 23-0814 EA 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	6,997.51	1,797.09
For Work In Restricted Working Space, Add	1,198.06	
40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0685)		
40 05 23 23-0816 EA 1/2", Type 316, Schedule 10 Stainless Steel Cap	82.44	31.05
For Work In Restricted Working Space, Add	20.70	
40 05 23 23-0817 EA 3/4", Type 316, Schedule 10 Stainless Steel Cap	91.25	32.95
For Work In Restricted Working Space, Add	21.97	
40 05 23 23-0818 EA 1", Type 316, Schedule 10 Stainless Steel Cap	100.04	36.21
For Work In Restricted Working Space, Add	24.15	
40 05 23 23-0819 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Cap	109.37	39.48
For Work In Restricted Working Space, Add	26.31	
40 05 23 23-0820 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Cap	118.25	43.59
For Work In Restricted Working Space, Add	29.06	
40 05 23 23-0821 EA 2", Type 316, Schedule 10 Stainless Steel Cap	124.56	48.50
For Work In Restricted Working Space, Add	32.33	
40 05 23 23-0822 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Cap	155.70	62.07
For Work In Restricted Working Space, Add	41.38	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST		UNIT COST	
40 05 23 23-0823	EA 3", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	184.25	72.74		
		48.50			
40 05 23 23-0824	EA 4", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	220.67	87.07		
		58.05			
40 05 23 23-0825	EA 6", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	287.29	108.94		
		72.63			
40 05 23 23-0826	EA 8", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	480.51	179.71		
		119.81			
40 05 23 23-0827	EA 10", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	637.53	239.62		
		159.74			
40 05 23 23-0828	EA 12", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	939.51	359.41		
		239.61			
40 05 23 23-0829	EA 14", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,092.81	419.31		
		279.55			
40 05 23 23-0830	EA 16", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,256.23	478.31		
		318.88			
40 05 23 23-0831	EA 18", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,582.98	599.02		
		399.35			
40 05 23 23-0832	EA 20", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,193.92	838.64		
		559.10			
40 05 23 23-0833	EA 24", Type 316, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	3,309.83	1,198.04		
		798.71			
40 05 23 23-0834	Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)				
40 05 23 23-0835	Type 316, Schedule 40 Stainless Steel Pipe (40 05 23 23-0834)				
40 05 23 23-0836	LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	22.57	5.45		
		3.27			
40 05 23 23-0837	LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	27.44	6.66		
		4.00			
40 05 23 23-0838	LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	33.55	7.87		
		4.69			
40 05 23 23-0839	LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	41.93	9.68		
		5.86			
40 05 23 23-0840	LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	48.25	10.89		
		6.60			
40 05 23 23-0841	LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	61.75	13.92		
		8.18			
40 05 23 23-0842	LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	76.35	15.74		
		9.35			
40 05 23 23-0843	LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	74.87	17.56		
		10.52			
40 05 23 23-0844	LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	122.00	20.58		
		12.46			
40 05 23 23-0845	LF 6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	188.97	27.24		
		16.36			
40 05 23 23-0846	LF 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	332.13	47.22		
		30.50			
40 05 23 23-0847	LF 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	419.12	52.18		
		33.54			
40 05 23 23-0848	LF 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	521.19	57.78		
		37.28			
40 05 23 23-0849	Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0834)				
40 05 23 23-0850	EA 1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	146.23	62.09		
		41.39			
40 05 23 23-0851	EA 3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	154.72	65.91		
		43.94			
40 05 23 23-0852	EA 1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	170.43	72.44		
		48.29			
40 05 23 23-0853	EA 1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	185.65	78.95		
		52.63			
40 05 23 23-0854	EA 1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	204.74	87.18		
		58.12			
40 05 23 23-0855	EA 2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	230.81	96.99		
		64.66			
40 05 23 23-0856	EA 2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	307.31	124.14		
		82.76			
40 05 23 23-0857	EA 3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	364.23	145.49		
		96.99			
40 05 23 23-0858	EA 4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	462.11	174.13		
		116.09			
40 05 23 23-0859	EA 6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	713.08	217.53		
		145.02			
40 05 23 23-0860	EA 8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,230.49	359.43		
		239.61			
40 05 23 23-0861	EA 10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,008.01	479.21		
		319.48			
40 05 23 23-0862	EA 12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,863.43	718.83		
		479.22			
40 05 23 23-0863	EA 14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,203.17	838.64		
		559.10			
40 05 23 23-0864	EA 16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,885.46	956.62		
		637.75			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0865	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	4,960.00	1,198.07	
		For Work In Restricted Working Space, Add	798.71		
40 05 23 23-0866	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	6,700.76	1,677.28	
		For Work In Restricted Working Space, Add	1,118.18		
40 05 23 23-0867	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	9,723.80	2,396.11	
		For Work In Restricted Working Space, Add	1,597.40		
40 05 23 23-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0834)					
40 05 23 23-0869	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	149.28	62.09	
		For Work In Restricted Working Space, Add	41.39		
40 05 23 23-0870	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	157.77	65.91	
		For Work In Restricted Working Space, Add	43.94		
40 05 23 23-0871	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	172.26	72.44	
		For Work In Restricted Working Space, Add	48.29		
40 05 23 23-0872	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	186.54	78.95	
		For Work In Restricted Working Space, Add	52.63		
40 05 23 23-0873	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	206.57	87.18	
		For Work In Restricted Working Space, Add	58.12		
40 05 23 23-0874	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	230.81	96.99	
		For Work In Restricted Working Space, Add	64.66		
40 05 23 23-0875	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	307.31	124.14	
		For Work In Restricted Working Space, Add	82.76		
40 05 23 23-0876	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	352.32	145.49	
		For Work In Restricted Working Space, Add	96.99		
40 05 23 23-0877	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	439.50	174.13	
		For Work In Restricted Working Space, Add	116.09		
40 05 23 23-0878	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	620.23	217.53	
		For Work In Restricted Working Space, Add	145.02		
40 05 23 23-0879	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,066.90	359.43	
		For Work In Restricted Working Space, Add	239.61		
40 05 23 23-0880	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,631.00	479.21	
		For Work In Restricted Working Space, Add	319.48		
40 05 23 23-0881	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,358.72	718.83	
		For Work In Restricted Working Space, Add	479.22		
40 05 23 23-0882	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,680.81	838.64	
		For Work In Restricted Working Space, Add	559.10		
40 05 23 23-0883	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	3,028.48	956.62	
		For Work In Restricted Working Space, Add	637.75		
40 05 23 23-0884	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	3,893.12	1,198.07	
		For Work In Restricted Working Space, Add	798.71		
40 05 23 23-0885	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	5,293.43	1,677.28	
		For Work In Restricted Working Space, Add	1,118.18		
40 05 23 23-0886	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	7,844.36	2,396.11	
		For Work In Restricted Working Space, Add	1,597.40		
40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0834)					
40 05 23 23-0888	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee.....	197.99	78.92	
		For Work In Restricted Working Space, Add	52.62		
40 05 23 23-0889	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee.....	237.89	96.89	
		For Work In Restricted Working Space, Add	64.59		
40 05 23 23-0890	EA	1", Type 316, Schedule 40 Stainless Steel Tee.....	264.50	108.85	
		For Work In Restricted Working Space, Add	72.57		
40 05 23 23-0891	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee.....	304.50	124.14	
		For Work In Restricted Working Space, Add	82.76		
40 05 23 23-0892	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee.....	318.70	133.24	
		For Work In Restricted Working Space, Add	88.83		
40 05 23 23-0893	EA	2", Type 316, Schedule 40 Stainless Steel Tee.....	347.39	145.32	
		For Work In Restricted Working Space, Add	96.89		
40 05 23 23-0894	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee.....	432.06	174.13	
		For Work In Restricted Working Space, Add	116.09		
40 05 23 23-0895	EA	3", Type 316, Schedule 40 Stainless Steel Tee.....	533.82	218.23	
		For Work In Restricted Working Space, Add	145.49		
40 05 23 23-0896	EA	4", Type 316, Schedule 40 Stainless Steel Tee.....	617.56	244.92	
		For Work In Restricted Working Space, Add	163.28		
40 05 23 23-0897	EA	6", Type 316, Schedule 40 Stainless Steel Tee.....	968.51	326.55	
		For Work In Restricted Working Space, Add	217.71		
40 05 23 23-0898	EA	8", Type 316, Schedule 40 Stainless Steel Tee.....	1,663.32	479.21	
		For Work In Restricted Working Space, Add	319.48		
40 05 23 23-0899	EA	10", Type 316, Schedule 40 Stainless Steel Tee.....	2,794.48	718.83	
		For Work In Restricted Working Space, Add	479.22		
40 05 23 23-0900	EA	12", Type 316, Schedule 40 Stainless Steel Tee.....	3,437.27	898.54	
		For Work In Restricted Working Space, Add	599.03		
40 05 23 23-0901	EA	14", Type 316, Schedule 40 Stainless Steel Tee.....	4,912.25	1,079.80	
		For Work In Restricted Working Space, Add	719.86		
40 05 23 23-0902	EA	16", Type 316, Schedule 40 Stainless Steel Tee.....	6,085.48	1,317.24	
		For Work In Restricted Working Space, Add	878.15		
40 05 23 23-0903	EA	18", Type 316, Schedule 40 Stainless Steel Tee.....	7,880.52	1,677.28	
		For Work In Restricted Working Space, Add	1,118.18		
40 05 23 23-0904	EA	20", Type 316, Schedule 40 Stainless Steel Tee.....	10,239.89	2,206.95	
		For Work In Restricted Working Space, Add	1,471.30		
40 05 23 23-0905	EA	24", Type 316, Schedule 40 Stainless Steel Tee.....	14,680.58	3,354.56	
		For Work In Restricted Working Space, Add	2,236.37		
40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0834)					

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-0907	EA 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	191.73	65.93
	<i>For Work In Restricted Working Space, Add</i>	43.96	
40 05 23 23-0908	EA 1", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	224.75	80.80
	<i>For Work In Restricted Working Space, Add</i>	53.87	
40 05 23 23-0909	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	294.59	90.79
	<i>For Work In Restricted Working Space, Add</i>	60.52	
40 05 23 23-0910	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	286.48	103.49
	<i>For Work In Restricted Working Space, Add</i>	68.99	
40 05 23 23-0911	EA 2", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	294.18	111.20
	<i>For Work In Restricted Working Space, Add</i>	74.14	
40 05 23 23-0912	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	402.80	121.19
	<i>For Work In Restricted Working Space, Add</i>	80.80	
40 05 23 23-0913	EA 3", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	403.46	145.26
	<i>For Work In Restricted Working Space, Add</i>	96.85	
40 05 23 23-0914	EA 4", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	538.79	181.57
	<i>For Work In Restricted Working Space, Add</i>	121.04	
40 05 23 23-0915	EA 6", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	751.18	207.46
	<i>For Work In Restricted Working Space, Add</i>	138.31	
40 05 23 23-0916	EA 8", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	1,263.96	299.52
	<i>For Work In Restricted Working Space, Add</i>	199.67	
40 05 23 23-0917	EA 10", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	2,652.57	399.36
	<i>For Work In Restricted Working Space, Add</i>	266.24	
40 05 23 23-0918	EA 12", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	3,502.02	599.02
	<i>For Work In Restricted Working Space, Add</i>	399.35	
40 05 23 23-0919	EA 14", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	3,981.18	719.66
	<i>For Work In Restricted Working Space, Add</i>	479.78	
40 05 23 23-0920	EA 16", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	4,933.87	877.85
	<i>For Work In Restricted Working Space, Add</i>	585.23	
40 05 23 23-0921	EA 18", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	6,374.96	1,118.19
	<i>For Work In Restricted Working Space, Add</i>	745.46	
40 05 23 23-0922	EA 20", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	9,095.08	1,471.29
	<i>For Work In Restricted Working Space, Add</i>	980.87	
40 05 23 23-0923	EA 24", Type 316, Schedule 40 Stainless Steel Reducing Tee.....	14,243.53	2,234.39
	<i>For Work In Restricted Working Space, Add</i>	1,489.59	

40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0834)

40 05 23 23-0925	EA 3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	151.26	59.96
	<i>For Work In Restricted Working Space, Add</i>	39.97	
40 05 23 23-0926	EA 1", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	166.27	65.34
	<i>For Work In Restricted Working Space, Add</i>	43.56	
40 05 23 23-0927	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	182.28	72.44
	<i>For Work In Restricted Working Space, Add</i>	48.29	
40 05 23 23-0928	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	194.37	78.95
	<i>For Work In Restricted Working Space, Add</i>	52.63	
40 05 23 23-0929	EA 2", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	209.01	87.18
	<i>For Work In Restricted Working Space, Add</i>	58.12	
40 05 23 23-0930	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	281.49	108.94
	<i>For Work In Restricted Working Space, Add</i>	72.63	
40 05 23 23-0931	EA 3", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	303.10	124.02
	<i>For Work In Restricted Working Space, Add</i>	82.68	
40 05 23 23-0932	EA 4", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	350.45	145.32
	<i>For Work In Restricted Working Space, Add</i>	96.89	
40 05 23 23-0933	EA 6", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	480.79	185.01
	<i>For Work In Restricted Working Space, Add</i>	123.35	
40 05 23 23-0934	EA 8", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	802.91	287.53
	<i>For Work In Restricted Working Space, Add</i>	191.69	
40 05 23 23-0935	EA 10", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	1,076.14	359.43
	<i>For Work In Restricted Working Space, Add</i>	239.61	
40 05 23 23-0936	EA 12", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	1,365.12	479.21
	<i>For Work In Restricted Working Space, Add</i>	319.48	
40 05 23 23-0937	EA 14", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	1,976.56	628.98
	<i>For Work In Restricted Working Space, Add</i>	419.32	
40 05 23 23-0938	EA 16", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	2,277.69	716.78
	<i>For Work In Restricted Working Space, Add</i>	477.86	
40 05 23 23-0939	EA 18", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	3,042.03	898.54
	<i>For Work In Restricted Working Space, Add</i>	599.03	
40 05 23 23-0940	EA 20", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	4,125.47	1,198.07
	<i>For Work In Restricted Working Space, Add</i>	798.71	
40 05 23 23-0941	EA 24", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	5,918.75	1,797.09
	<i>For Work In Restricted Working Space, Add</i>	1,198.06	
40 05 23 23-0942	EA 3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	185.77	59.96
	<i>For Work In Restricted Working Space, Add</i>	39.97	
40 05 23 23-0943	EA 1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	197.73	65.34
	<i>For Work In Restricted Working Space, Add</i>	43.56	
40 05 23 23-0944	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	229.38	72.44
	<i>For Work In Restricted Working Space, Add</i>	48.29	
40 05 23 23-0945	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	237.43	78.95
	<i>For Work In Restricted Working Space, Add</i>	52.63	
40 05 23 23-0946	EA 2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	254.83	87.18
	<i>For Work In Restricted Working Space, Add</i>	58.12	
40 05 23 23-0947	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	304.09	108.94
	<i>For Work In Restricted Working Space, Add</i>	72.63	
40 05 23 23-0948	EA 3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	391.37	124.02
	<i>For Work In Restricted Working Space, Add</i>	82.68	
40 05 23 23-0949	EA 4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	426.20	145.32
	<i>For Work In Restricted Working Space, Add</i>	96.89	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	605.10 123.35	185.01
40 05 23 23-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	895.93 191.69	287.53
40 05 23 23-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,280.64 239.61	359.43
40 05 23 23-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,774.15 319.48	479.21
40 05 23 23-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,663.78 419.32	628.98
40 05 23 23-0955	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,068.82 477.86	716.78
40 05 23 23-0956	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,123.51 599.03	898.54
40 05 23 23-0957	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	5,302.11 798.71	1,198.07
40 05 23 23-0958	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	7,948.76 1,198.06	1,797.09
40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0834)				
40 05 23 23-0960	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	83.05 20.70	31.05
40 05 23 23-0961	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	90.95 21.97	32.95
40 05 23 23-0962	EA	1", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	100.65 24.15	36.21
40 05 23 23-0963	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	115.03 26.31	39.48
40 05 23 23-0964	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	113.67 29.06	43.59
40 05 23 23-0965	EA	2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	128.83 32.33	48.50
40 05 23 23-0966	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	161.25 41.38	62.07
40 05 23 23-0967	EA	3", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	185.17 48.50	72.74
40 05 23 23-0968	EA	4", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	227.39 58.05	87.07
40 05 23 23-0969	EA	6", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	315.39 72.63	108.94
40 05 23 23-0970	EA	8", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	533.29 119.81	179.71
40 05 23 23-0971	EA	10", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	715.20 159.74	239.62
40 05 23 23-0972	EA	12", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,066.55 239.61	359.41
40 05 23 23-0973	EA	14", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,215.93 279.55	419.31
40 05 23 23-0974	EA	16", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,366.50 318.88	478.31
40 05 23 23-0975	EA	18", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,744.45 399.35	599.02
40 05 23 23-0976	EA	20", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,397.19 559.10	838.64
40 05 23 23-0977	EA	24", Type 316, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,705.69 798.71	1,198.04
40 05 23 23-0978 Valves (40 05 23 23-0231)				
40 05 23 23-0979 Gate Valves, Class 150 (40 05 23 23-0978)				
40 05 23 23-0980	EA	1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	710.73 23.36 -169.29 594.90	62.28
40 05 23 23-0981	EA	3/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	772.07 27.25 -182.23 640.36	64.88
40 05 23 23-0982	EA	1" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	951.28 36.73 -221.72 779.13	97.32
40 05 23 23-0983	EA	1-1/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,199.73 42.32 -283.20 995.16	113.54
40 05 23 23-0984	EA	1-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,352.23 53.60 -313.93 1,103.16	142.93
40 05 23 23-0985	EA	2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,605.11 64.88 -371.51 1,305.50	172.98
40 05 23 23-0986	EA	2-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,307.95 70.78 1,947.70	188.16

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 23 23-0987	EA 3" Gate Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	2,599.19 82.83 2,183.71		220.61
40 05 23 23-0988	EA 4" Gate Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	3,435.25 139.04 2,793.49		369.83
40 05 23 23-0989	EA 6" Gate Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	5,751.74 175.81 4,855.76		467.16
40 05 23 23-0990	EA 8" Gate Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	12,562.67 222.45 11,111.89		596.92
40 05 23 23-0991	EA 10" Gate Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	17,708.61 272.51 15,792.24		726.69
40 05 23 23-0992	EA 12" Gate Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	26,668.98 330.31 24,033.86		882.40
40 05 23 23-0993 Globe Valves, Class 150 (40 05 23 23-0978)				
40 05 23 23-0994	EA 1/2" Globe Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 200, Deduct For Class 300, Add	971.88 23.36 -239.15 840.38		62.28
40 05 23 23-0995	EA 3/4" Globe Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 200, Deduct For Class 300, Add	1,075.55 27.25 -263.41 925.63		64.88
40 05 23 23-0996	EA 1" Globe Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 200, Deduct For Class 300, Add	1,340.35 36.73 -325.80 1,144.85		97.32
40 05 23 23-0997	EA 1-1/2" Globe Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 200, Deduct For Class 300, Add	1,992.60 53.60 -485.23 1,705.10		142.93
40 05 23 23-0998	EA 2" Globe Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 200, Deduct For Class 300, Add	2,431.89 64.88 -592.68 2,082.67		172.98
40 05 23 23-0999	EA 2-1/2" Globe Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	4,900.38 70.78 4,384.58		188.16
40 05 23 23-1000	EA 3" Globe Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	5,070.11 82.83 4,506.38		220.61
40 05 23 23-1001	EA 4" Globe Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	6,034.86 139.04 5,237.13		369.83
40 05 23 23-1002	EA 6" Globe Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	11,145.81 175.81 9,926.18		467.16
40 05 23 23-1003 Check Valves, Class 150 (40 05 23 23-0978)				
40 05 23 23-1004	EA 2-1/2" Check Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	2,208.52 70.78 1,854.23		188.16
40 05 23 23-1005	EA 3" Check Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	2,310.19 82.83 1,912.05		220.61
40 05 23 23-1006	EA 4" Check Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	3,629.11 139.04 2,975.72		369.83
40 05 23 23-1007	EA 6" Check Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	6,243.82 175.81 5,318.31		467.16
40 05 23 23-1008	EA 8" Check Valve, Stainless Steel, Flanged For Work In Restricted Working Space, Add For Class 300, Add	10,979.38 222.45 9,623.60		596.92
40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings (40 05 23 23-0231)				
40 05 23 23-1010	EA 1/2", Stainless Steel Thread-o-let Fitting For Work In Restricted Working Space, Add	99.25 25.12		37.67
40 05 23 23-1011	EA 3/4", Stainless Steel Thread-o-let Fitting For Work In Restricted Working Space, Add	131.03 33.49		50.23
40 05 23 23-1012	EA 1", Stainless Steel Thread-o-let Fitting For Work In Restricted Working Space, Add	161.53 41.53		62.28
40 05 23 23-1013	EA 1-1/4", Stainless Steel Thread-o-let Fitting For Work In Restricted Working Space, Add	231.73 58.76		88.14
40 05 23 23-1014	EA 1-1/2", Stainless Steel Thread-o-let Fitting For Work In Restricted Working Space, Add	256.74 66.26		99.40
40 05 23 23-1015	EA 2", Stainless Steel Thread-o-let Fitting For Work In Restricted Working Space, Add	321.40 84.17		126.27
40 05 23 23-1016	EA 2-1/2", Stainless Steel Thread-o-let Fitting For Work In Restricted Working Space, Add	569.52 129.77		194.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1017	EA		3", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	760.99 165.66	248.49
40 05 23 23-1018	EA		4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	1,000.94 207.62	311.43
40 05 23 23-1019			Stainless Steel Flanges (40 05 23 23-0231)		
40 05 23 23-1020			150#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1021	EA		1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	75.95 12.56	20.94
40 05 23 23-1022	EA		3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	93.69 16.74	27.91
40 05 23 23-1023	EA		1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	111.64 20.76	34.60
40 05 23 23-1024	EA		1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	151.73 29.38	48.98
40 05 23 23-1025	EA		1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	164.24 33.13	55.22
40 05 23 23-1026	EA		2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	210.77 42.09	70.13
40 05 23 23-1027	EA		2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	314.77 64.88	108.10
40 05 23 23-1028	EA		3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	379.13 82.83	220.61
40 05 23 23-1029	EA		4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	486.96 103.81	172.98
40 05 23 23-1030			300#, Type 304 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)		
40 05 23 23-1031	EA		1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	95.66 12.56	20.94
40 05 23 23-1032	EA		3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	109.61 16.74	27.91
40 05 23 23-1033	EA		1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	123.01 20.76	34.60
40 05 23 23-1034	EA		1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	180.54 29.38	48.98
40 05 23 23-1035	EA		1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	193.05 33.13	55.22
40 05 23 23-1036	EA		2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	240.31 42.09	70.13
40 05 23 23-1037	EA		2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	380.70 64.88	108.10
40 05 23 23-1038	EA		3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	446.55 82.83	220.61
40 05 23 23-1039	EA		4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	590.77 103.81	172.98
40 05 23 23-1040			150#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)		
40 05 23 23-1041	EA		1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	103.09 20.70	31.03
40 05 23 23-1042	EA		3/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	111.11 21.97	32.95
40 05 23 23-1043	EA		1", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	124.43 24.15	36.21
40 05 23 23-1044	EA		1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	150.70 26.34	39.50
40 05 23 23-1045	EA		1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	159.68 29.03	43.54
40 05 23 23-1046	EA		2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	177.51 32.34	48.51
40 05 23 23-1047	EA		2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	243.18 41.35	62.02
40 05 23 23-1048	EA		3", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	276.55 48.41	72.61
40 05 23 23-1049	EA		4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	353.99 58.01	87.00
40 05 23 23-1050	EA		6", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	518.89 72.48	108.71
40 05 23 23-1051	EA		8", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	869.08 119.81	179.71
40 05 23 23-1052	EA		10", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,225.68 159.74	239.61
40 05 23 23-1053	EA		12", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,880.57 239.61	359.41
40 05 23 23-1054	EA		14", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,337.71 279.55	419.31
40 05 23 23-1055	EA		16", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,897.50 318.88	478.31
40 05 23 23-1056	EA		18", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,559.80 399.35	599.02
40 05 23 23-1057	EA		20", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,640.19 559.10	838.64
40 05 23 23-1058	EA		24", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,596.96 798.71	1,198.04

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-1059		300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)			
40 05 23 23-1060	EA	1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	126.59	31.03	
		For Work In Restricted Working Space, Add	20.70		
40 05 23 23-1061	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	130.82	32.95	
		For Work In Restricted Working Space, Add	21.97		
40 05 23 23-1062	EA	1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	138.09	36.21	
		For Work In Restricted Working Space, Add	24.15		
40 05 23 23-1063	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	177.17	39.50	
		For Work In Restricted Working Space, Add	26.34		
40 05 23 23-1064	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	186.15	43.54	
		For Work In Restricted Working Space, Add	29.03		
40 05 23 23-1065	EA	2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	200.23	48.51	
		For Work In Restricted Working Space, Add	32.34		
40 05 23 23-1066	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	282.55	62.02	
		For Work In Restricted Working Space, Add	41.35		
40 05 23 23-1067	EA	3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	320.48	72.61	
		For Work In Restricted Working Space, Add	48.41		
40 05 23 23-1068	EA	4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	457.00	87.00	
		For Work In Restricted Working Space, Add	58.01		
40 05 23 23-1069	EA	6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	635.55	108.71	
		For Work In Restricted Working Space, Add	72.48		
40 05 23 23-1070	EA	8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,160.00	179.71	
		For Work In Restricted Working Space, Add	119.81		
40 05 23 23-1071	EA	10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	1,609.81	239.61	
		For Work In Restricted Working Space, Add	159.74		
40 05 23 23-1072	EA	12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	2,368.51	359.41	
		For Work In Restricted Working Space, Add	239.61		
40 05 23 23-1073	EA	14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	3,109.03	419.31	
		For Work In Restricted Working Space, Add	279.55		
40 05 23 23-1074	EA	16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	3,819.92	478.31	
		For Work In Restricted Working Space, Add	318.88		
40 05 23 23-1075	EA	18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	4,873.29	599.02	
		For Work In Restricted Working Space, Add	399.35		
40 05 23 23-1076	EA	20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	6,320.74	838.64	
		For Work In Restricted Working Space, Add	559.10		
40 05 23 23-1077	EA	24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange	9,192.48	1,198.04	
		For Work In Restricted Working Space, Add	798.71		
40 05 23 23-1078		150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)			
40 05 23 23-1079	EA	1/2", 150#, Type 304 Stainless Steel Slip-On Flange	168.28	62.08	
		For Work In Restricted Working Space, Add	41.39		
40 05 23 23-1080	EA	3/4", 150#, Type 304 Stainless Steel Slip-On Flange	177.54	65.90	
		For Work In Restricted Working Space, Add	43.94		
40 05 23 23-1081	EA	1", 150#, Type 304 Stainless Steel Slip-On Flange	195.07	72.44	
		For Work In Restricted Working Space, Add	48.29		
40 05 23 23-1082	EA	1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange	221.80	79.01	
		For Work In Restricted Working Space, Add	52.67		
40 05 23 23-1083	EA	1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	239.74	87.08	
		For Work In Restricted Working Space, Add	58.06		
40 05 23 23-1084	EA	2", 150#, Type 304 Stainless Steel Slip-On Flange	275.46	97.00	
		For Work In Restricted Working Space, Add	64.67		
40 05 23 23-1085	EA	2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange	359.78	124.04	
		For Work In Restricted Working Space, Add	82.70		
40 05 23 23-1086	EA	3", 150#, Type 304 Stainless Steel Slip-On Flange	412.95	145.23	
		For Work In Restricted Working Space, Add	96.83		
40 05 23 23-1087	EA	4", 150#, Type 304 Stainless Steel Slip-On Flange	509.48	174.03	
		For Work In Restricted Working Space, Add	116.02		
40 05 23 23-1088	EA	6", 150#, Type 304 Stainless Steel Slip-On Flange	670.33	217.42	
		For Work In Restricted Working Space, Add	144.95		
40 05 23 23-1089	EA	8", 150#, Type 304 Stainless Steel Slip-On Flange	1,152.53	359.41	
		For Work In Restricted Working Space, Add	239.61		
40 05 23 23-1090	EA	10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	1,614.21	479.21	
		For Work In Restricted Working Space, Add	319.48		
40 05 23 23-1091	EA	12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange	2,408.82	718.82	
		For Work In Restricted Working Space, Add	479.22		
40 05 23 23-1092		300#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)			
40 05 23 23-1093	EA	1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange	183.44	62.08	
		For Work In Restricted Working Space, Add	41.39		
40 05 23 23-1094	EA	3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	191.93	65.90	
		For Work In Restricted Working Space, Add	43.94		
40 05 23 23-1095	EA	1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	206.44	72.44	
		For Work In Restricted Working Space, Add	48.29		
40 05 23 23-1096	EA	1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	245.30	79.01	
		For Work In Restricted Working Space, Add	52.67		
40 05 23 23-1097	EA	1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	263.24	87.08	
		For Work In Restricted Working Space, Add	58.06		
40 05 23 23-1098	EA	2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	291.34	97.00	
		For Work In Restricted Working Space, Add	64.67		
40 05 23 23-1099	EA	2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	418.90	124.04	
		For Work In Restricted Working Space, Add	82.70		
40 05 23 23-1100	EA	3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange	472.03	145.23	
		For Work In Restricted Working Space, Add	96.83		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1101	EA		4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	591.29	174.03
			For Work In Restricted Working Space, Add	116.02	
40 05 23 23-1102	EA		6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	901.40	217.42
			For Work In Restricted Working Space, Add	144.95	
40 05 23 23-1103	EA		8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	1,385.86	359.41
			For Work In Restricted Working Space, Add	239.61	
40 05 23 23-1104	EA		10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	1,990.00	479.21
			For Work In Restricted Working Space, Add	319.48	
40 05 23 23-1105	EA		12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange.....	2,892.20	718.82
			For Work In Restricted Working Space, Add	479.22	
40 05 23 23-1106 150#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)					
40 05 23 23-1107	EA		1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	59.92	12.40
			For Work In Restricted Working Space, Add	8.28	
40 05 23 23-1108	EA		3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	62.63	13.17
			For Work In Restricted Working Space, Add	8.79	
40 05 23 23-1109	EA		1", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	67.81	14.48
			For Work In Restricted Working Space, Add	9.66	
40 05 23 23-1110	EA		1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	86.61	16.13
			For Work In Restricted Working Space, Add	10.75	
40 05 23 23-1111	EA		1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	99.19	21.79
			For Work In Restricted Working Space, Add	14.52	
40 05 23 23-1112	EA		2", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	116.66	24.19
			For Work In Restricted Working Space, Add	16.13	
40 05 23 23-1113	EA		2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	158.50	31.09
			For Work In Restricted Working Space, Add	20.74	
40 05 23 23-1114	EA		3", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	195.33	43.58
			For Work In Restricted Working Space, Add	29.05	
40 05 23 23-1115	EA		4", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	299.25	72.60
			For Work In Restricted Working Space, Add	48.41	
40 05 23 23-1116	EA		6", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	409.00	93.36
			For Work In Restricted Working Space, Add	62.24	
40 05 23 23-1117	EA		8", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	617.46	111.81
			For Work In Restricted Working Space, Add	74.55	
40 05 23 23-1118	EA		10", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	939.13	134.18
			For Work In Restricted Working Space, Add	89.45	
40 05 23 23-1119	EA		12", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	1,240.20	167.73
			For Work In Restricted Working Space, Add	111.82	
40 05 23 23-1120	EA		14", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	1,575.61	209.66
			For Work In Restricted Working Space, Add	139.77	
40 05 23 23-1121	EA		16", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	2,024.37	239.15
			For Work In Restricted Working Space, Add	159.44	
40 05 23 23-1122	EA		18", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	2,398.00	299.52
			For Work In Restricted Working Space, Add	199.68	
40 05 23 23-1123	EA		20", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	3,191.14	419.31
			For Work In Restricted Working Space, Add	279.55	
40 05 23 23-1124	EA		24", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	4,644.30	599.02
			For Work In Restricted Working Space, Add	399.35	
40 05 23 23-1125 300#, Type 304 Stainless Steel Blind Flanges (40 05 23 23-1019)					
40 05 23 23-1126	EA		1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	75.34	12.40
			For Work In Restricted Working Space, Add	8.28	
40 05 23 23-1127	EA		3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	77.05	13.17
			For Work In Restricted Working Space, Add	8.79	
40 05 23 23-1128	EA		1", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	79.94	14.48
			For Work In Restricted Working Space, Add	9.66	
40 05 23 23-1129	EA		1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	100.99	16.13
			For Work In Restricted Working Space, Add	10.75	
40 05 23 23-1130	EA		1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	113.57	21.79
			For Work In Restricted Working Space, Add	14.52	
40 05 23 23-1131	EA		2", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	124.23	24.19
			For Work In Restricted Working Space, Add	16.13	
40 05 23 23-1132	EA		2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	211.54	31.09
			For Work In Restricted Working Space, Add	20.74	
40 05 23 23-1133	EA		3", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	244.96	43.58
			For Work In Restricted Working Space, Add	29.05	
40 05 23 23-1134	EA		4", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	361.35	72.60
			For Work In Restricted Working Space, Add	48.41	
40 05 23 23-1135	EA		6", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	665.06	93.36
			For Work In Restricted Working Space, Add	62.24	
40 05 23 23-1136	EA		8", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	923.53	111.81
			For Work In Restricted Working Space, Add	74.55	
40 05 23 23-1137	EA		10", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	1,311.86	134.18
			For Work In Restricted Working Space, Add	89.45	
40 05 23 23-1138	EA		12", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	1,812.20	167.73
			For Work In Restricted Working Space, Add	111.82	
40 05 23 23-1139	EA		14", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	2,529.64	209.66
			For Work In Restricted Working Space, Add	139.77	
40 05 23 23-1140	EA		16", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	3,228.87	239.15
			For Work In Restricted Working Space, Add	159.44	
40 05 23 23-1141	EA		18", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	4,210.76	299.52
			For Work In Restricted Working Space, Add	199.68	
40 05 23 23-1142	EA		20", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	5,341.88	419.31
			For Work In Restricted Working Space, Add	279.55	
40 05 23 23-1143	EA		24", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	8,181.74	599.02
			For Work In Restricted Working Space, Add	399.35	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)			
40 05 23 23-1145	EA 1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	89.61	20.94
	For Work In Restricted Working Space, Add	12.56	
40 05 23 23-1146	EA 3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	111.14	27.91
	For Work In Restricted Working Space, Add	16.74	
40 05 23 23-1147	EA 1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	128.29	34.60
	For Work In Restricted Working Space, Add	20.76	
40 05 23 23-1148	EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	176.71	48.98
	For Work In Restricted Working Space, Add	29.38	
40 05 23 23-1149	EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	189.22	55.22
	For Work In Restricted Working Space, Add	33.13	
40 05 23 23-1150	EA 2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	238.05	70.13
	For Work In Restricted Working Space, Add	42.09	
40 05 23 23-1151	EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	354.18	108.10
	For Work In Restricted Working Space, Add	64.88	
40 05 23 23-1152	EA 3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	429.91	220.61
	For Work In Restricted Working Space, Add	82.83	
40 05 23 23-1153	EA 4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	558.17	172.98
	For Work In Restricted Working Space, Add	103.81	
40 05 23 23-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 23-1019)			
40 05 23 23-1155	EA 1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	115.36	20.94
	For Work In Restricted Working Space, Add	12.56	
40 05 23 23-1156	EA 3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	129.31	27.91
	For Work In Restricted Working Space, Add	16.74	
40 05 23 23-1157	EA 1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	142.71	34.60
	For Work In Restricted Working Space, Add	20.76	
40 05 23 23-1158	EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	218.42	48.98
	For Work In Restricted Working Space, Add	29.38	
40 05 23 23-1159	EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	230.93	55.22
	For Work In Restricted Working Space, Add	33.13	
40 05 23 23-1160	EA 2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	273.64	70.13
	For Work In Restricted Working Space, Add	42.09	
40 05 23 23-1161	EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	455.69	108.10
	For Work In Restricted Working Space, Add	64.88	
40 05 23 23-1162	EA 3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	523.08	220.61
	For Work In Restricted Working Space, Add	82.83	
40 05 23 23-1163	EA 4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	712.72	172.98
	For Work In Restricted Working Space, Add	103.81	
40 05 23 23-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)			
40 05 23 23-1165	EA 1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	120.50	31.03
	For Work In Restricted Working Space, Add	20.70	
40 05 23 23-1166	EA 3/4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	128.56	32.95
	For Work In Restricted Working Space, Add	21.97	
40 05 23 23-1167	EA 1", 150#, Type 316 Stainless Steel Weld Neck Flange.....	144.13	36.21
	For Work In Restricted Working Space, Add	24.15	
40 05 23 23-1168	EA 1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	176.45	39.50
	For Work In Restricted Working Space, Add	26.34	
40 05 23 23-1169	EA 1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	185.43	43.54
	For Work In Restricted Working Space, Add	29.03	
40 05 23 23-1170	EA 2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	204.02	48.51
	For Work In Restricted Working Space, Add	32.34	
40 05 23 23-1171	EA 2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	287.83	62.02
	For Work In Restricted Working Space, Add	41.35	
40 05 23 23-1172	EA 3", 150#, Type 316 Stainless Steel Weld Neck Flange.....	316.69	72.61
	For Work In Restricted Working Space, Add	48.41	
40 05 23 23-1173	EA 4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	422.18	87.00
	For Work In Restricted Working Space, Add	58.01	
40 05 23 23-1174	EA 6", 150#, Type 316 Stainless Steel Weld Neck Flange.....	637.08	108.71
	For Work In Restricted Working Space, Add	72.48	
40 05 23 23-1175	EA 8", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,051.68	179.71
	For Work In Restricted Working Space, Add	119.81	
40 05 23 23-1176	EA 10", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,530.26	239.61
	For Work In Restricted Working Space, Add	159.74	
40 05 23 23-1177	EA 12", 150#, Type 316 Stainless Steel Weld Neck Flange.....	2,282.91	359.41
	For Work In Restricted Working Space, Add	239.61	
40 05 23 23-1178	EA 14", 150#, Type 316 Stainless Steel Weld Neck Flange.....	2,670.93	419.31
	For Work In Restricted Working Space, Add	279.55	
40 05 23 23-1179	EA 16", 150#, Type 316 Stainless Steel Weld Neck Flange.....	3,332.33	478.31
	For Work In Restricted Working Space, Add	318.88	
40 05 23 23-1180	EA 18", 150#, Type 316 Stainless Steel Weld Neck Flange.....	4,088.02	599.02
	For Work In Restricted Working Space, Add	399.35	
40 05 23 23-1181	EA 20", 150#, Type 316 Stainless Steel Weld Neck Flange.....	5,298.28	838.64
	For Work In Restricted Working Space, Add	559.10	
40 05 23 23-1182	EA 24", 150#, Type 316 Stainless Steel Weld Neck Flange.....	7,529.52	1,198.04
	For Work In Restricted Working Space, Add	798.71	
40 05 23 23-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)			
40 05 23 23-1184	EA 1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	149.32	31.03
	For Work In Restricted Working Space, Add	20.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1185	EA	3/4"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	153.55 21.97	32.95
40 05 23 23-1186	EA	1"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	160.82 24.15	36.21
40 05 23 23-1187	EA	1-1/4"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	208.28 26.34	39.50
40 05 23 23-1188	EA	1-1/2"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	217.26 29.03	43.54
40 05 23 23-1189	EA	2"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	238.12 32.34	48.51
40 05 23 23-1190	EA	2-1/2"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	347.72 41.35	62.02
40 05 23 23-1191	EA	3"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	381.85 48.41	72.61
40 05 23 23-1192	EA	4"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	570.64 58.01	87.00
40 05 23 23-1193	EA	6"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	916.63 72.48	108.71
40 05 23 23-1194	EA	8"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,447.17 119.81	179.71
40 05 23 23-1195	EA	10"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,074.98 159.74	239.61
40 05 23 23-1196	EA	12"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,051.86 239.61	359.41
40 05 23 23-1197	EA	14"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,102.94 279.55	419.31
40 05 23 23-1198	EA	16"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,078.50 318.88	478.31
40 05 23 23-1199	EA	18"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,490.29 399.35	599.02
40 05 23 23-1200	EA	20"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	8,355.43 559.10	838.64
40 05 23 23-1201	EA	24"	300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	12,173.51 798.71	1,198.04
40 05 23 23-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)					
40 05 23 23-1203	EA	1/2"	150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	177.39 41.39	62.08
40 05 23 23-1204	EA	3/4"	150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	191.20 43.94	65.90
40 05 23 23-1205	EA	1"	150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	210.72 48.29	72.44
40 05 23 23-1206	EA	1-1/4"	150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	278.89 52.67	79.01
40 05 23 23-1207	EA	1-1/2"	150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	257.92 58.06	87.08
40 05 23 23-1208	EA	2"	150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	279.98 64.67	97.00
40 05 23 23-1209	EA	2-1/2"	150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	356.76 82.70	124.04
40 05 23 23-1210	EA	3"	150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	438.70 96.83	145.23
40 05 23 23-1211	EA	4"	150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	564.00 116.02	174.03
40 05 23 23-1212	EA	6"	150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	751.37 144.95	217.42
40 05 23 23-1213	EA	8"	150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,319.94 239.61	359.41
40 05 23 23-1214	EA	10"	150#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,843.03 319.48	479.21
40 05 23 23-1215	EA	12"	150#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	2,714.89 479.22	718.82
40 05 23 23-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)					
40 05 23 23-1217	EA	1/2"	300#, Type 316 Stainless Steel Raised Neck Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	198.59 41.39	62.08
40 05 23 23-1218	EA	3/4"	300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	207.08 43.94	65.90
40 05 23 23-1219	EA	1"	300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	221.59 48.29	72.44
40 05 23 23-1220	EA	1-1/4"	300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	274.84 52.67	79.01
40 05 23 23-1221	EA	1-1/2"	300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	292.78 58.06	87.08
40 05 23 23-1222	EA	2"	300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	319.27 64.67	97.00
40 05 23 23-1223	EA	2-1/2"	300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	484.79 82.70	124.04
40 05 23 23-1224	EA	3"	300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	539.45 96.83	145.23
40 05 23 23-1225	EA	4"	300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	695.82 116.02	174.03
40 05 23 23-1226	EA	6"	300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,053.69 144.95	217.42
40 05 23 23-1227	EA	8"	300#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,542.71 239.61	359.41

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 23 23-1228	EA	10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	2,500.62	479.21
		<i>For Work In Restricted Working Space, Add</i>	319.48	
40 05 23 23-1229	EA	12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange	3,342.22	718.82
		<i>For Work In Restricted Working Space, Add</i>	479.22	

40 05 23 23-1230 150#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)

40 05 23 23-1231	EA	1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	67.00	12.40
		<i>For Work In Restricted Working Space, Add</i>	8.28	
40 05 23 23-1232	EA	3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	75.52	13.17
		<i>For Work In Restricted Working Space, Add</i>	8.79	
40 05 23 23-1233	EA	1", 150#, Type 316 Stainless Steel Raised Face Blind Flange	85.22	14.48
		<i>For Work In Restricted Working Space, Add</i>	9.66	
40 05 23 23-1234	EA	1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	100.23	16.13
		<i>For Work In Restricted Working Space, Add</i>	10.75	
40 05 23 23-1235	EA	1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	112.81	21.79
		<i>For Work In Restricted Working Space, Add</i>	14.52	
40 05 23 23-1236	EA	2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	139.38	24.19
		<i>For Work In Restricted Working Space, Add</i>	16.13	
40 05 23 23-1237	EA	2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange	194.13	31.09
		<i>For Work In Restricted Working Space, Add</i>	20.74	
40 05 23 23-1238	EA	3", 150#, Type 316 Stainless Steel Raised Face Blind Flange	234.74	43.58
		<i>For Work In Restricted Working Space, Add</i>	29.05	
40 05 23 23-1239	EA	4", 150#, Type 316 Stainless Steel Raised Face Blind Flange	365.91	72.60
		<i>For Work In Restricted Working Space, Add</i>	48.41	
40 05 23 23-1240	EA	6", 150#, Type 316 Stainless Steel Raised Face Blind Flange	515.84	93.36
		<i>For Work In Restricted Working Space, Add</i>	62.24	
40 05 23 23-1241	EA	8", 150#, Type 316 Stainless Steel Raised Face Blind Flange	872.76	111.81
		<i>For Work In Restricted Working Space, Add</i>	74.55	
40 05 23 23-1242	EA	10", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,140.67	134.18
		<i>For Work In Restricted Working Space, Add</i>	89.45	
40 05 23 23-1243	EA	12", 150#, Type 316 Stainless Steel Raised Face Blind Flange	1,821.31	167.73
		<i>For Work In Restricted Working Space, Add</i>	111.82	
40 05 23 23-1244	EA	14", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,170.56	209.66
		<i>For Work In Restricted Working Space, Add</i>	139.77	
40 05 23 23-1245	EA	16", 150#, Type 316 Stainless Steel Raised Face Blind Flange	2,824.77	239.15
		<i>For Work In Restricted Working Space, Add</i>	159.44	
40 05 23 23-1246	EA	18", 150#, Type 316 Stainless Steel Raised Face Blind Flange	3,326.81	299.52
		<i>For Work In Restricted Working Space, Add</i>	199.68	
40 05 23 23-1247	EA	20", 150#, Type 316 Stainless Steel Raised Face Blind Flange	4,402.44	419.31
		<i>For Work In Restricted Working Space, Add</i>	279.55	
40 05 23 23-1248	EA	24", 150#, Type 316 Stainless Steel Raised Face Blind Flange	6,420.60	599.02
		<i>For Work In Restricted Working Space, Add</i>	399.35	

40 05 23 23-1249 300#, Type 316 Stainless Steel Blind Flanges (40 05 23 23-1019)

40 05 23 23-1250	EA	1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	101.09	12.40
		<i>For Work In Restricted Working Space, Add</i>	8.28	
40 05 23 23-1251	EA	3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	102.80	13.17
		<i>For Work In Restricted Working Space, Add</i>	8.79	
40 05 23 23-1252	EA	1", 300#, Type 316 Stainless Steel Raised Face Blind Flange	105.69	14.48
		<i>For Work In Restricted Working Space, Add</i>	9.66	
40 05 23 23-1253	EA	1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	156.32	16.13
		<i>For Work In Restricted Working Space, Add</i>	10.75	
40 05 23 23-1254	EA	1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	168.90	21.79
		<i>For Work In Restricted Working Space, Add</i>	14.52	
40 05 23 23-1255	EA	2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	187.10	24.19
		<i>For Work In Restricted Working Space, Add</i>	16.13	
40 05 23 23-1256	EA	2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange	308.53	31.09
		<i>For Work In Restricted Working Space, Add</i>	20.74	
40 05 23 23-1257	EA	3", 300#, Type 316 Stainless Steel Raised Face Blind Flange	343.83	43.58
		<i>For Work In Restricted Working Space, Add</i>	29.05	
40 05 23 23-1258	EA	4", 300#, Type 316 Stainless Steel Raised Face Blind Flange	528.03	72.60
		<i>For Work In Restricted Working Space, Add</i>	48.41	
40 05 23 23-1259	EA	6", 300#, Type 316 Stainless Steel Raised Face Blind Flange	949.21	93.36
		<i>For Work In Restricted Working Space, Add</i>	62.24	
40 05 23 23-1260	EA	8", 300#, Type 316 Stainless Steel Raised Face Blind Flange	1,217.51	111.81
		<i>For Work In Restricted Working Space, Add</i>	74.55	
40 05 23 23-1261	EA	10", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,166.47	134.18
		<i>For Work In Restricted Working Space, Add</i>	89.45	
40 05 23 23-1262	EA	12", 300#, Type 316 Stainless Steel Raised Face Blind Flange	2,643.32	167.73
		<i>For Work In Restricted Working Space, Add</i>	111.82	
40 05 23 23-1263	EA	14", 300#, Type 316 Stainless Steel Raised Face Blind Flange	3,806.20	209.66
		<i>For Work In Restricted Working Space, Add</i>	139.77	
40 05 23 23-1264	EA	16", 300#, Type 316 Stainless Steel Raised Face Blind Flange	4,897.40	239.15
		<i>For Work In Restricted Working Space, Add</i>	159.44	
40 05 23 23-1265	EA	18", 300#, Type 316 Stainless Steel Raised Face Blind Flange	6,403.68	299.52
		<i>For Work In Restricted Working Space, Add</i>	199.68	
40 05 23 23-1266	EA	20", 300#, Type 316 Stainless Steel Raised Face Blind Flange	8,069.78	419.31
		<i>For Work In Restricted Working Space, Add</i>	279.55	
40 05 23 23-1267	EA	24", 300#, Type 316 Stainless Steel Raised Face Blind Flange	12,419.27	599.02
		<i>For Work In Restricted Working Space, Add</i>	399.35	

40 05 23 23-1268 Type 316 Seamless Annealed Tubing (40 05 23 23)
Note: For high-pressure air (8000 PSIG working pressure).**40 05 23 23-1269 Type 316 Seamless Annealed Tubing (40 05 23 23-1268)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 23 23-1270	LF	3/8"	Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	20.47	
40 05 23 23-1271	LF	1/2"	Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	24.85	
40 05 23 23-1272	LF	3/4"	Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	29.91	

40 05 23 23-1273

Type 316 Seamless Annealed Tubing Fittings (40 05 23 23-1268)

Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.

40 05 23 23-1274	EA	3/8"	Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	70.83	
40 05 23 23-1275	EA	3/8"	Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	71.71	
40 05 23 23-1276	EA	3/8"	Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	109.70	
40 05 23 23-1277	EA	3/8"	Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	70.10	
40 05 23 23-1278	EA	3/8"	Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	115.73	
40 05 23 23-1279	EA	1/2"	Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	87.33	
40 05 23 23-1280	EA	1/2"	Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	108.50	
40 05 23 23-1281	EA	1/2"	Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	167.06	
40 05 23 23-1282	EA	1/2"	Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	106.29	
40 05 23 23-1283	EA	1/2"	Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	164.07	
40 05 23 23-1284	EA	3/4"	Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	104.12	
40 05 23 23-1285	EA	3/4"	Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	134.67	
40 05 23 23-1286	EA	3/4"	Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	223.03	
40 05 23 23-1287	EA	3/4"	Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	184.18	
40 05 23 23-1288	EA	3/4"	Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	226.83	

40 05 23 23-1289

Valves For High Pressure Air (5,000 PSIG) (40 05 23 23-1268)

40 05 23 23-1290

Needle Valves (40 05 23 23-1289)

40 05 23 23-1291	EA	3/8"	Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	421.20	
40 05 23 23-1292	EA	1/2"	Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	669.77	

40 05 23 23-1293

Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 23-1289)

40 05 23 23-1294	EA	1/4"	NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	403.90	
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40 05 23 23-1295

Other Valves Working Pressure 6,000 PSI (40 05 23 23-1289)

40 05 23 23-1296	EA	1/4"	NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,681.20	
40 05 23 23-1297	EA	1/4"	NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	420.21	
40 05 23 23-1298	EA		Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	80.38	

40 05 31 Thermoplastic Process Pipe (40 05)

40 05 31 43 Polypropylene Process Pipe (40 05 31)

40 05 31 43-0001 Polypropylene (PP) Lined Steel Piping System (40 05 31 43)

40 05 31 43-0002 Polypropylene (PP) Lined Pipe And Fittings (40 05 31 43-0001)

40 05 31 43-0003 Pipe (40 05 31 43-0002)

40 05 31 43-0004	LF	3/4"	Polypropylene (PP) Lined Pipe	95.78	2.51
40 05 31 43-0005	LF	1"	Polypropylene (PP) Lined Pipe	96.20	2.75
40 05 31 43-0006	LF	1-1/4"	Polypropylene (PP) Lined Pipe	130.12	2.99
40 05 31 43-0007	LF	1-1/2"	Polypropylene (PP) Lined Pipe	130.24	2.99
40 05 31 43-0008	LF	2"	Polypropylene (PP) Lined Pipe	125.17	3.58
40 05 31 43-0009	LF	2-1/2"	Polypropylene (PP) Lined Pipe	183.48	4.30
40 05 31 43-0010	LF	3"	Polypropylene (PP) Lined Pipe	219.09	5.13
40 05 31 43-0011	LF	4"	Polypropylene (PP) Lined Pipe	323.08	7.76
40 05 31 43-0012	LF	6"	Polypropylene (PP) Lined Pipe	556.38	10.27
40 05 31 43-0013	LF	8"	Polypropylene (PP) Lined Pipe	863.50	12.30

40 05 31 43-0014

90 Degree Elbows (40 05 31 43-0002)

40 05 31 43-0015	EA	3/4"	90 Degree Elbow, Polypropylene (PP) Lined	733.79	10.27
40 05 31 43-0016	EA	1"	90 Degree Elbow, Polypropylene (PP) Lined	739.95	12.78
40 05 31 43-0017	EA	1-1/4"	90 Degree Elbow, Polypropylene (PP) Lined	776.23	18.04
40 05 31 43-0018	EA	1-1/2"	90 Degree Elbow, Polypropylene (PP) Lined	781.98	20.30
40 05 31 43-0019	EA	2"	90 Degree Elbow, Polypropylene (PP) Lined	901.11	25.80
40 05 31 43-0020	EA	2-1/2"	90 Degree Elbow, Polypropylene (PP) Lined	1,142.89	38.22
40 05 31 43-0021	EA	3"	90 Degree Elbow, Polypropylene (PP) Lined	1,383.85	50.29
40 05 31 43-0022	EA	4"	90 Degree Elbow, Polypropylene (PP) Lined	2,046.37	59.72
40 05 31 43-0023	EA	6"	90 Degree Elbow, Polypropylene (PP) Lined	3,180.90	68.21
40 05 31 43-0024	EA	8"	90 Degree Elbow, Polypropylene (PP) Lined	4,977.39	86.00

40 05 31 43-0025

45 Degree Elbows (40 05 31 43-0002)

40 05 31 43-0026	EA	3/4"	45 Degree Elbow, Polypropylene (PP) Lined	648.38	10.27
40 05 31 43-0027	EA	1"	45 Degree Elbow, Polypropylene (PP) Lined	654.54	12.78
40 05 31 43-0028	EA	1-1/4"	45 Degree Elbow, Polypropylene (PP) Lined	743.45	18.04
40 05 31 43-0029	EA	1-1/2"	45 Degree Elbow, Polypropylene (PP) Lined	749.20	20.30
40 05 31 43-0030	EA	2"	45 Degree Elbow, Polypropylene (PP) Lined	862.71	25.80
40 05 31 43-0031	EA	2-1/2"	45 Degree Elbow, Polypropylene (PP) Lined	1,155.16	38.22
40 05 31 43-0032	EA	3"	45 Degree Elbow, Polypropylene (PP) Lined	1,443.36	50.29
40 05 31 43-0033	EA	4"	45 Degree Elbow, Polypropylene (PP) Lined	1,893.54	59.72
40 05 31 43-0034	EA	6"	45 Degree Elbow, Polypropylene (PP) Lined	3,290.97	68.21

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 31 Thermoplastic Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 31 43-0035 EA 8" 45 Degree Elbow, Polypropylene (PP) Lined.....5,015.47 79.67

40 05 31 43-0036**Tees** (40 05 31 43-0002)
 40 05 31 43-0037 EA 3/4" Tee, Polypropylene (PP) Lined.....990.41 15.41
 40 05 31 43-0038 EA 1" Tee, Polypropylene (PP) Lined.....1,002.70 20.30
 40 05 31 43-0039 EA 1-1/4" Tee, Polypropylene (PP) Lined.....1,183.16 25.80
 40 05 31 43-0040 EA 1-1/2" Tee, Polypropylene (PP) Lined.....1,195.66 30.81
 40 05 31 43-0041 EA 2" Tee, Polypropylene (PP) Lined.....1,367.42 38.22
 40 05 31 43-0042 EA 2-1/2" Tee, Polypropylene (PP) Lined.....1,607.33 50.29
 40 05 31 43-0043 EA 3" Tee, Polypropylene (PP) Lined.....1,840.65 59.72
 40 05 31 43-0044 EA 4" Tee, Polypropylene (PP) Lined.....2,404.00 79.67
 40 05 31 43-0045 EA 6" Tee, Polypropylene (PP) Lined.....3,276.43 102.72
 40 05 31 43-0046 EA 8" Tee, Polypropylene (PP) Lined.....6,212.49 127.32
40 05 31 43-0047**Crosses** (40 05 31 43-0002)
 40 05 31 43-0048 EA 3/4" Cross, Polypropylene (PP) Lined.....1,414.62 20.54
 40 05 31 43-0049 EA 1" Cross, Polypropylene (PP) Lined.....1,427.73 25.80
 40 05 31 43-0050 EA 1-1/4" Cross, Polypropylene (PP) Lined.....1,743.99 36.31
 40 05 31 43-0051 EA 1-1/2" Cross, Polypropylene (PP) Lined.....1,754.88 40.61
 40 05 31 43-0052 EA 2" Cross, Polypropylene (PP) Lined.....1,985.62 51.60
 40 05 31 43-0053 EA 2-1/2" Cross, Polypropylene (PP) Lined.....2,307.79 76.44
 40 05 31 43-0054 EA 3" Cross, Polypropylene (PP) Lined.....3,058.62 100.33
 40 05 31 43-0055 EA 4" Cross, Polypropylene (PP) Lined.....3,434.32 119.44
 40 05 31 43-0056 EA 6" Cross, Polypropylene (PP) Lined.....5,989.70 136.64
 40 05 31 43-0057 EA 8" Cross, Polypropylene (PP) Lined.....7,578.03 159.45
40 05 31 43-0058**Reducers** (40 05 31 43-0002)
 40 05 31 43-0059 EA 1" Reducer, Polypropylene (PP) Lined.....1,304.86 12.78
 40 05 31 43-0060 EA 1-1/4" Reducer, Polypropylene (PP) Lined.....1,318.08 18.04
 40 05 31 43-0061 EA 1-1/2" Reducer, Polypropylene (PP) Lined.....1,323.83 20.30
 40 05 31 43-0062 EA 2" Reducer, Polypropylene (PP) Lined.....1,559.71 25.80
 40 05 31 43-0063 EA 2-1/2" Reducer, Polypropylene (PP) Lined.....1,804.29 38.22
 40 05 31 43-0064 EA 3" Reducer, Polypropylene (PP) Lined.....2,013.89 50.29
 40 05 31 43-0065 EA 4" Reducer, Polypropylene (PP) Lined.....2,626.98 59.72
 40 05 31 43-0066 EA 6" Reducer, Polypropylene (PP) Lined.....3,626.56 68.21
 40 05 31 43-0067 EA 8" Reducer, Polypropylene (PP) Lined.....5,863.54 79.67
40 05 31 43-0068**Unions** (40 05 31 43-0002)
 40 05 31 43-0069 EA 3/4" Union, Polypropylene (PP) Lined.....1,077.75 15.41
 40 05 31 43-0070 EA 1" Union, Polypropylene (PP) Lined.....1,238.49 20.30
 40 05 31 43-0071 EA 1-1/4" Union, Polypropylene (PP) Lined.....2,418.68 25.80
 40 05 31 43-0072 EA 1-1/2" Union, Polypropylene (PP) Lined.....2,740.84 30.81
 40 05 31 43-0073 EA 2" Union, Polypropylene (PP) Lined.....3,705.23 38.22
 40 05 31 43-0074 EA 2-1/2" Union, Polypropylene (PP) Lined.....5,385.41 50.29
 40 05 31 43-0075 EA 3" Union, Polypropylene (PP) Lined.....6,872.38 59.72
 40 05 31 43-0076 EA 4" Union, Polypropylene (PP) Lined.....10,663.28 79.67
 40 05 31 43-0077 EA 6" Union, Polypropylene (PP) Lined.....14,284.08 102.72
 40 05 31 43-0078 EA 8" Union, Polypropylene (PP) Lined.....23,460.97 127.32
40 05 31 43-0079**Blind Flanges** (40 05 31 43-0002)
 40 05 31 43-0080 EA 3/4" Blind Flanges, Polypropylene (PP) Lined.....213.14 15.41
 40 05 31 43-0081 EA 1" Blind Flange, Polypropylene (PP) Lined.....225.43 20.30
 40 05 31 43-0082 EA 1-1/4" Blind Flange, Polypropylene (PP) Lined.....255.54 25.80
 40 05 31 43-0083 EA 1-1/2" Blind Flange, Polypropylene (PP) Lined.....268.04 30.81
 40 05 31 43-0084 EA 2" Blind Flange, Polypropylene (PP) Lined.....308.35 38.22
 40 05 31 43-0085 EA 2-1/2" Blind Flange, Polypropylene (PP) Lined.....387.64 50.29
 40 05 31 43-0086 EA 3" Blind Flange, Polypropylene (PP) Lined.....460.33 59.72
 40 05 31 43-0087 EA 4" Blind Flange, Polypropylene (PP) Lined.....581.02 79.67
 40 05 31 43-0088 EA 6" Blind Flange, Polypropylene (PP) Lined.....867.87 102.72
 40 05 31 43-0089 EA 8" Blind Flange, Polypropylene (PP) Lined.....1,284.13 127.32
40 05 31 43-0090**Filler Flanges** (40 05 31 43-0002)
 40 05 31 43-0091 EA 1" Filler Flange, Polypropylene (PP) Lined.....787.44 20.30
 40 05 31 43-0092 EA 1-1/4" Filler Flange, Polypropylene (PP) Lined.....986.70 25.80
 40 05 31 43-0093 EA 1-1/2" Filler Flange, Polypropylene (PP) Lined.....1,102.87 30.81
 40 05 31 43-0094 EA 2" Filler Flange, Polypropylene (PP) Lined.....1,263.23 38.22
 40 05 31 43-0095 EA 2-1/2" Filler Flange, Polypropylene (PP) Lined.....1,462.56 50.29
 40 05 31 43-0096 EA 3" Filler Flange, Polypropylene (PP) Lined.....1,655.29 59.72
 40 05 31 43-0097 EA 4" Filler Flange, Polypropylene (PP) Lined.....2,059.72 79.67
 40 05 31 43-0098 EA 6" Filler Flange, Polypropylene (PP) Lined.....2,815.82 102.72
 40 05 31 43-0099 EA 8" Filler Flange, Polypropylene (PP) Lined.....3,946.88 127.32
40 05 31 43-0100**Polypropylene (PP) Lined Gate Valves** (40 05 31 43-0001)
 40 05 31 43-0101 EA 1" Flanged Gate Valve, Polypropylene (PP) Lined.....1,999.89 100.58
 40 05 31 43-0102 EA 1-1/4" Flanged Gate Valve, Polypropylene (PP) Lined.....2,256.90 113.16
 40 05 31 43-0103 EA 1-1/2" Flanged Gate Valve, Polypropylene (PP) Lined.....2,546.97 125.41
 40 05 31 43-0104 EA 2" Flanged Gate Valve, Polypropylene (PP) Lined.....3,021.88 159.21

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 43-0105	EA	2-1/2" Flanged Gate Valve, Polypropylene (PP) Lined	3,981.54	181.27
40 05 31 43-0106	EA	3" Flanged Gate Valve, Polypropylene (PP) Lined	4,941.19	203.30
40 05 31 43-0107	EA	4" Flanged Gate Valve, Polypropylene (PP) Lined	6,270.54	341.25
40 05 31 43-0108	EA	6" Flanged Gate Valve, Polypropylene (PP) Lined	10,118.47	431.53
40 05 31 43-0109	EA	8" Flanged Gate Valve, Polypropylene (PP) Lined	21,209.08	546.01
40 05 31 43-0110 Polypropylene (PP) Lined Check Valves (40 05 31 43-0001)				
40 05 31 43-0111	EA	1" Flanged Check Valve, Polypropylene (PP) Lined	2,262.75	100.58
40 05 31 43-0112	EA	1-1/4" Flanged Check Valve, Polypropylene (PP) Lined	2,553.59	113.16
40 05 31 43-0113	EA	1-1/2" Flanged Check Valve, Polypropylene (PP) Lined	2,882.14	125.41
40 05 31 43-0114	EA	2" Flanged Check Valve, Polypropylene (PP) Lined	3,417.79	159.21
40 05 31 43-0115	EA	2-1/2" Flanged Check Valve, Polypropylene (PP) Lined	4,508.17	181.27
40 05 31 43-0116	EA	3" Flanged Check Valve, Polypropylene (PP) Lined	5,598.56	203.30
40 05 31 43-0117	EA	4" Flanged Check Valve, Polypropylene (PP) Lined	7,090.15	341.25
40 05 31 43-0118	EA	6" Flanged Check Valve, Polypropylene (PP) Lined	11,461.94	431.53
40 05 31 43-0119	EA	8" Flanged Check Valve, Polypropylene (PP) Lined	24,087.95	546.01
40 05 31 43-0120 Polypropylene (PP) Lined Plug Valves (40 05 31 43-0001)				
40 05 31 43-0121	EA	1" Flanged Plug Valve, Polypropylene (PP) Lined	1,985.25	100.58
40 05 31 43-0122	EA	1-1/4" Flanged Plug Valve, Polypropylene (PP) Lined	2,241.61	113.16
40 05 31 43-0123	EA	1-1/2" Flanged Plug Valve, Polypropylene (PP) Lined	2,527.14	125.41
40 05 31 43-0124	EA	2" Flanged Plug Valve, Polypropylene (PP) Lined	2,999.29	159.21
40 05 31 43-0125	EA	2-1/2" Flanged Plug Valve, Polypropylene (PP) Lined	3,952.94	181.27
40 05 31 43-0126	EA	3" Flanged Plug Valve, Polypropylene (PP) Lined	4,906.58	203.30
40 05 31 43-0127	EA	4" Flanged Plug Valve, Polypropylene (PP) Lined	6,227.56	341.25
40 05 31 43-0128	EA	6" Flanged Plug Valve, Polypropylene (PP) Lined	10,048.49	431.53
40 05 31 43-0129	EA	8" Flanged Plug Valve, Polypropylene (PP) Lined	19,926.74	546.01
40 05 31 53 PVDF Process Pipe (40 05 31)				
40 05 31 53-0001 Polyvinylidene Fluoride (PVDF) Kynar Lined Steel Piping System (40 05 31 53)				
40 05 31 53-0002 Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe And Fittings (40 05 31 53-0001)				
40 05 31 53-0003 Pipe (40 05 31 53-0002)				
40 05 31 53-0004	LF	3/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	90.73	2.51
40 05 31 53-0005	LF	1" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	91.15	2.75
40 05 31 53-0006	LF	1-1/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	102.16	2.99
40 05 31 53-0007	LF	1-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	102.28	2.99
40 05 31 53-0008	LF	2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	112.67	3.58
40 05 31 53-0009	LF	2-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	144.72	4.30
40 05 31 53-0010	LF	3" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	175.75	5.13
40 05 31 53-0011	LF	4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	246.08	7.76
40 05 31 53-0012	LF	6" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	394.98	10.27
40 05 31 53-0013	LF	8" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	613.64	12.30
40 05 31 53-0014 90 Degree Elbows (40 05 31 53-0002)				
40 05 31 53-0015	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	508.87	10.27
40 05 31 53-0016	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	515.03	12.78
40 05 31 53-0017	EA	1-1/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	636.94	18.04
40 05 31 53-0018	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	642.69	20.30
40 05 31 53-0019	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	764.08	25.80
40 05 31 53-0020	EA	2-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	924.36	38.22
40 05 31 53-0021	EA	3" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,075.02	50.29
40 05 31 53-0022	EA	4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,671.09	59.72
40 05 31 53-0023	EA	6" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,684.13	68.21
40 05 31 53-0024	EA	8" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,429.22	86.00
40 05 31 53-0025 45 Degree Elbows (40 05 31 53-0002)				
40 05 31 53-0026	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	610.01	10.27
40 05 31 53-0027	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	616.17	12.78
40 05 31 53-0028	EA	1-1/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	682.34	18.04
40 05 31 53-0029	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	688.09	20.30
40 05 31 53-0030	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	831.13	25.80
40 05 31 53-0031	EA	2-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	960.72	38.22
40 05 31 53-0032	EA	3" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,216.80	50.29
40 05 31 53-0033	EA	4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,742.37	59.72
40 05 31 53-0034	EA	6" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,877.38	68.21
40 05 31 53-0035	EA	8" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,788.32	79.67
40 05 31 53-0036 Tees (40 05 31 53-0002)				
40 05 31 53-0037	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	818.15	15.41
40 05 31 53-0038	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	830.44	20.30
40 05 31 53-0039	EA	1-1/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	930.52	25.80
40 05 31 53-0040	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	943.02	30.81
40 05 31 53-0041	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,142.45	38.22
40 05 31 53-0042	EA	2-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,472.07	50.29
40 05 31 53-0043	EA	3" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,524.77	59.72
40 05 31 53-0044	EA	4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,301.94	79.67

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 31 Thermoplastic Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 31 53-0045	EA	6" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	3,520.23	102.72
40 05 31 53-0046	EA	8" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	5,294.62	127.32

40 05 31 53-0047 Crosses (40 05 31 53-0002)

40 05 31 53-0048	EA	3/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,143.23	20.54
40 05 31 53-0049	EA	1" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,156.35	25.80
40 05 31 53-0050	EA	1-1/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,349.28	36.31
40 05 31 53-0051	EA	1-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,360.15	40.61
40 05 31 53-0052	EA	2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,682.52	51.60
40 05 31 53-0053	EA	2-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,940.52	76.44
40 05 31 53-0054	EA	3" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,329.44	100.33
40 05 31 53-0055	EA	4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,521.40	119.44
40 05 31 53-0056	EA	6" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,402.48	136.64
40 05 31 53-0057	EA	8" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,831.60	159.45

40 05 31 53-0058 Reducers (40 05 31 53-0002)

40 05 31 53-0059	EA	1" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	787.37	12.78
40 05 31 53-0060	EA	1-1/4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	800.59	18.04
40 05 31 53-0061	EA	1-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	806.34	20.30
40 05 31 53-0062	EA	2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	839.16	25.80
40 05 31 53-0063	EA	2-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	919.04	38.22
40 05 31 53-0064	EA	3" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,103.61	50.29
40 05 31 53-0065	EA	4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,408.31	59.72
40 05 31 53-0066	EA	6" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,297.60	68.21
40 05 31 53-0067	EA	8" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,456.52	79.67

40 05 31 53-0068 Unions (40 05 31 53-0002)

40 05 31 53-0069	EA	3/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,136.30	15.41
40 05 31 53-0070	EA	1" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,305.40	20.30
40 05 31 53-0071	EA	1-1/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,551.31	25.80
40 05 31 53-0072	EA	1-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,890.92	30.81
40 05 31 53-0073	EA	2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,908.59	38.22
40 05 31 53-0074	EA	2-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,681.73	50.29
40 05 31 53-0075	EA	3" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	7,251.15	59.72
40 05 31 53-0076	EA	4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	11,252.81	79.67
40 05 31 53-0077	EA	6" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	15,074.23	102.72
40 05 31 53-0078	EA	8" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	24,764.77	127.32

40 05 31 53-0079 Blind Flanges (40 05 31 53-0002)

40 05 31 53-0080	EA	3/4" Blind Flanges, Polyvinylidene Fluoride (PVDF) Kynar Lined	169.48	15.41
40 05 31 53-0081	EA	1" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	181.77	20.30
40 05 31 53-0082	EA	1-1/4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	207.79	25.80
40 05 31 53-0083	EA	1-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	220.29	30.81
40 05 31 53-0084	EA	2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	255.15	38.22
40 05 31 53-0085	EA	2-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	322.16	50.29
40 05 31 53-0086	EA	3" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	382.57	59.72
40 05 31 53-0087	EA	4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	485.53	79.67
40 05 31 53-0088	EA	6" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	715.09	102.72
40 05 31 53-0089	EA	8" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,042.68	127.32

40 05 31 53-0090 Filler Flanges (40 05 31 53-0002)

40 05 31 53-0091	EA	1" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	439.59	20.30
40 05 31 53-0092	EA	1-1/4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	498.35	25.80
40 05 31 53-0093	EA	1-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	559.96	30.81
40 05 31 53-0094	EA	2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	684.85	38.22
40 05 31 53-0095	EA	2-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	854.17	50.29
40 05 31 53-0096	EA	3" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,020.98	59.72
40 05 31 53-0097	EA	4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,299.91	79.67
40 05 31 53-0098	EA	6" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,635.87	102.72
40 05 31 53-0099	EA	8" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,503.65	127.32

40 05 31 53-0100 Polyvinylidene Fluoride (PVDF) Kynar Lined Gate Valves (40 05 31 53-0001)

40 05 31 53-0101	EA	1" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,105.48	100.58
40 05 31 53-0102	EA	1-1/4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,376.08	113.16
40 05 31 53-0103	EA	1-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,681.60	125.41
40 05 31 53-0104	EA	2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,180.91	159.26
40 05 31 53-0105	EA	2-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,193.08	181.27
40 05 31 53-0106	EA	3" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,205.25	203.30
40 05 31 53-0107	EA	4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,599.77	341.25
40 05 31 53-0108	EA	6" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	10,658.14	431.53
40 05 31 53-0109	EA	8" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	22,365.51	546.01

40 05 31 53-0110 Polyvinylidene Fluoride (PVDF) Kynar Lined Check Valves (40 05 31 53-0001)

40 05 31 53-0111	EA	1" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,383.14	100.58
40 05 31 53-0112	EA	1-1/4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,689.49	113.16
40 05 31 53-0113	EA	1-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,035.66	125.41
40 05 31 53-0114	EA	2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,599.12	159.26

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 53-0115	EA	2-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	4,749.39	181.27
40 05 31 53-0116	EA	3" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	5,899.65	203.30
40 05 31 53-0117	EA	4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	7,465.57	341.25
40 05 31 53-0118	EA	6" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	12,077.30	431.53
40 05 31 53-0119	EA	8" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	25,406.56	546.01
40 05 31 53-0120 Polyvinylidene Fluoride (PVDF) Kynar Lined Plug Valves (40 05 31 53-0001)				
40 05 31 53-0121	EA	1" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	2,090.02	100.58
40 05 31 53-0122	EA	1-1/4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	2,359.93	113.16
40 05 31 53-0123	EA	1-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	2,660.66	125.41
40 05 31 53-0124	EA	2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	3,157.05	159.26
40 05 31 53-0125	EA	2-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	4,162.87	181.27
40 05 31 53-0126	EA	3" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	5,168.69	203.30
40 05 31 53-0127	EA	4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	6,554.37	341.25
40 05 31 53-0128	EA	6" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	10,584.21	431.53
40 05 31 53-0129	EA	8" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	21,010.93	546.01
40 05 31 56 Polyvinylidene Chloride (PVDC) Process Pipe (40 05 31)				
40 05 31 56-0001		Polyvinylidene Chloride (PVDC) Saran Lined Steel Piping System (40 05 31 56)		
40 05 31 56-0002		Polyvinylidene Chloride (PVDC) Saran Lined Pipe And Fittings (40 05 31 56-0001)		
40 05 31 56-0003		Pipe (40 05 31 56-0002)		
40 05 31 56-0004	LF	3/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	62.62	2.51
40 05 31 56-0005	LF	1" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	63.04	2.75
40 05 31 56-0006	LF	1-1/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	70.56	2.99
40 05 31 56-0007	LF	1-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	70.68	2.99
40 05 31 56-0008	LF	2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	78.09	3.58
40 05 31 56-0009	LF	2-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	101.59	4.30
40 05 31 56-0010	LF	3" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	121.44	5.13
40 05 31 56-0011	LF	4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	170.48	7.76
40 05 31 56-0012	LF	6" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	271.89	10.27
40 05 31 56-0013	LF	8" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	419.30	12.30
40 05 31 56-0014 90 Degree Elbows (40 05 31 56-0002)				
40 05 31 56-0015	EA	3/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	445.84	10.27
40 05 31 56-0016	EA	1" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	452.00	12.78
40 05 31 56-0017	EA	1-1/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	559.72	18.04
40 05 31 56-0018	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	565.47	20.30
40 05 31 56-0019	EA	2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	672.84	25.80
40 05 31 56-0020	EA	2-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	816.24	38.22
40 05 31 56-0021	EA	3" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	951.18	50.29
40 05 31 56-0022	EA	4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,472.61	59.72
40 05 31 56-0023	EA	6" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	2,356.26	68.21
40 05 31 56-0024	EA	8" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	3,879.52	86.00
40 05 31 56-0025 45 Degree Elbows (40 05 31 56-0002)				
40 05 31 56-0026	EA	3/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	533.79	10.27
40 05 31 56-0027	EA	1" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	539.95	12.78
40 05 31 56-0028	EA	1-1/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	599.23	18.04
40 05 31 56-0029	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	604.98	20.30
40 05 31 56-0030	EA	2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	731.12	25.80
40 05 31 56-0031	EA	2-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	847.88	38.22
40 05 31 56-0032	EA	3" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,074.45	50.29
40 05 31 56-0033	EA	4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,534.59	59.72
40 05 31 56-0034	EA	6" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	2,524.32	68.21
40 05 31 56-0035	EA	8" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	3,320.16	79.67
40 05 31 56-0036 Tees (40 05 31 56-0002)				
40 05 31 56-0037	EA	3/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	717.44	15.41
40 05 31 56-0038	EA	1" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	728.73	20.30
40 05 31 56-0039	EA	1-1/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	817.55	25.80
40 05 31 56-0040	EA	1-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	830.05	30.81
40 05 31 56-0041	EA	2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,005.90	38.22
40 05 31 56-0042	EA	2-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,296.47	50.29
40 05 31 56-0043	EA	3" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,345.36	59.72
40 05 31 56-0044	EA	4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	2,027.63	79.67
40 05 31 56-0045	EA	6" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	3,094.54	102.72
40 05 31 56-0046	EA	8" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	4,645.52	127.32
40 05 31 56-0047 Crosses (40 05 31 56-0002)				
40 05 31 56-0048	EA	3/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,000.79	20.54
40 05 31 56-0049	EA	1" Cross, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,013.91	25.80
40 05 31 56-0050	EA	1-1/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,185.10	36.31
40 05 31 56-0051	EA	1-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,195.97	40.61
40 05 31 56-0052	EA	2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,479.89	51.60
40 05 31 56-0053	EA	2-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,712.31	76.44
40 05 31 56-0054	EA	3" Cross, Polyvinylidene Chloride (PVDC) Saran Lined.....	2,058.32	100.33

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 31 Thermoplastic Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION				UNIT COST	UNIT COST
40 05 31 56-0055	EA	4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	3,101.03		119.44
40 05 31 56-0056	EA	6" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	4,742.38		136.64
40 05 31 56-0057	EA	8" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	9,828.81		159.45
40 05 31 56-0058		Reducers (40 05 31 56-0002)			
40 05 31 56-0059	EA	1" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	655.98		12.78
40 05 31 56-0060	EA	1-1/4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	702.03		18.04
40 05 31 56-0061	EA	1-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	707.78		20.30
40 05 31 56-0062	EA	2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	738.10		25.80
40 05 31 56-0063	EA	2-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	919.04		38.22
40 05 31 56-0064	EA	3" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	976.06		50.29
40 05 31 56-0065	EA	4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	1,244.09		59.72
40 05 31 56-0066	EA	6" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	2,020.15		68.21
40 05 31 56-0067	EA	8" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	3,031.62		79.67
40 05 31 56-0068		Unions (40 05 31 56-0002)			
40 05 31 56-0069	EA	3/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	989.93		15.41
40 05 31 56-0070	EA	1" Union, Polyvinylidene Chloride (PVDC) Saran Lined	1,138.12		20.30
40 05 31 56-0071	EA	1-1/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	2,219.74		25.80
40 05 31 56-0072	EA	1-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	2,515.74		30.81
40 05 31 56-0073	EA	2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	3,400.18		38.22
40 05 31 56-0074	EA	2-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	4,940.93		50.29
40 05 31 56-0075	EA	3" Union, Polyvinylidene Chloride (PVDC) Saran Lined	6,304.24		59.72
40 05 31 56-0076	EA	4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	9,778.98		79.67
40 05 31 56-0077	EA	6" Union, Polyvinylidene Chloride (PVDC) Saran Lined	13,098.57		102.72
40 05 31 56-0078	EA	8" Union, Polyvinylidene Chloride (PVDC) Saran Lined	21,505.25		127.32
40 05 31 56-0079		Blind Flanges (40 05 31 56-0002)			
40 05 31 56-0080	EA	3/4" Blind Flanges, Polyvinylidene Chloride (PVDC) Saran Lined	152.02		15.41
40 05 31 56-0081	EA	1" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	164.31		20.30
40 05 31 56-0082	EA	1-1/4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	188.69		25.80
40 05 31 56-0083	EA	1-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	201.19		30.81
40 05 31 56-0084	EA	2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	233.87		38.22
40 05 31 56-0085	EA	2-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	295.97		50.29
40 05 31 56-0086	EA	3" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	351.47		59.72
40 05 31 56-0087	EA	4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	447.34		79.67
40 05 31 56-0088	EA	6" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	653.98		102.72
40 05 31 56-0089	EA	8" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	946.10		127.32
40 05 31 56-0090		Filler Flanges (40 05 31 56-0002)			
40 05 31 56-0091	EA	1" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	387.76		20.30
40 05 31 56-0092	EA	1-1/4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	440.51		25.80
40 05 31 56-0093	EA	1-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	495.57		30.81
40 05 31 56-0094	EA	2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	606.27		38.22
40 05 31 56-0095	EA	2-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	757.04		50.29
40 05 31 56-0096	EA	3" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	904.76		59.72
40 05 31 56-0097	EA	4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,153.13		79.67
40 05 31 56-0098	EA	6" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,451.98		102.72
40 05 31 56-0099	EA	8" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	2,212.27		127.32
40 05 31 56-0100		Polyvinylidene Chloride (PVDC) Saran Lined Gate Valves (40 05 31 56-0001)			
40 05 31 56-0101	EA	1" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	1,841.51		100.58
40 05 31 56-0102	EA	1-1/4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,078.13		113.16
40 05 31 56-0103	EA	1-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,345.01		125.41
40 05 31 56-0104	EA	2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,783.34		159.26
40 05 31 56-0105	EA	2-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,664.22		181.27
40 05 31 56-0106	EA	3" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,545.10		203.30
40 05 31 56-0107	EA	4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,776.68		341.25
40 05 31 56-0108	EA	6" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	9,308.97		431.53
40 05 31 56-0109	EA	8" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	19,474.44		546.01
40 05 31 56-0110		Polyvinylidene Chloride (PVDC) Saran Lined Check Valves (40 05 31 56-0001)			
40 05 31 56-0111	EA	1" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,082.15		100.58
40 05 31 56-0112	EA	1-1/4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,349.75		113.16
40 05 31 56-0113	EA	1-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,651.86		125.41
40 05 31 56-0114	EA	2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,145.78		159.26
40 05 31 56-0115	EA	2-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,146.35		181.27
40 05 31 56-0116	EA	3" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,146.92		203.30
40 05 31 56-0117	EA	4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	6,527.03		341.25
40 05 31 56-0118	EA	6" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	10,538.91		431.53
40 05 31 56-0119	EA	8" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	22,110.02		546.01
40 05 31 56-0120		Polyvinylidene Chloride (PVDC) Saran Lined Plug Valves (40 05 31 56-0001)			
40 05 31 56-0121	EA	1" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	1,828.11		100.58
40 05 31 56-0122	EA	1-1/4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,064.13		113.16
40 05 31 56-0123	EA	1-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,326.86		125.41
40 05 31 56-0124	EA	2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,762.65		159.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 31 56-0125	EA	2-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	3,638.03	181.27
40 05 31 56-0126	EA	3" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	4,513.42	203.30
40 05 31 56-0127	EA	4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	5,737.34	341.25
40 05 31 56-0128	EA	6" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	9,244.91	431.53
40 05 31 56-0129	EA	8" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	18,300.47	546.01

40 05 38 PTFE Process Pipe (40 05)

- 40 05 38 00-0001 Polytetrafluoroethylene (PTFE) Lined Steel Piping System (40 05 38)
- 40 05 38 00-0002 Polytetrafluoroethylene (PTFE) Lined Pipe And Fittings (40 05 38 00-0001)
- 40 05 38 00-0003 Polytetrafluoroethylene (PTFE) Lined Pipe (40 05 38 00-0002)

40 05 38 00-0004	LF	3/4" Polytetrafluoroethylene (PTFE) Lined Pipe	177.41	2.51
40 05 38 00-0005	LF	1" Polytetrafluoroethylene (PTFE) Lined Pipe	265.13	2.75
40 05 38 00-0006	LF	1-1/4" Polytetrafluoroethylene (PTFE) Lined Pipe	296.10	2.99
40 05 38 00-0007	LF	1-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe	326.67	2.99
40 05 38 00-0008	LF	2" Polytetrafluoroethylene (PTFE) Lined Pipe	357.64	3.58
40 05 38 00-0009	LF	2-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe	471.91	4.30
40 05 38 00-0010	LF	3" Polytetrafluoroethylene (PTFE) Lined Pipe	567.11	5.13
40 05 38 00-0011	LF	4" Polytetrafluoroethylene (PTFE) Lined Pipe	817.44	7.76
40 05 38 00-0012	LF	6" Polytetrafluoroethylene (PTFE) Lined Pipe	1,531.67	10.27
40 05 38 00-0013	LF	8" Polytetrafluoroethylene (PTFE) Lined Pipe	2,737.03	12.30

40 05 38 00-0014 90 Degree Elbows (40 05 38 00-0002)

40 05 38 00-0015	EA	3/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,198.83	10.27
40 05 38 00-0016	EA	1" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,204.99	12.78
40 05 38 00-0017	EA	1-1/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,256.40	18.04
40 05 38 00-0018	EA	1-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,262.15	20.30
40 05 38 00-0019	EA	2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,450.50	25.80
40 05 38 00-0020	EA	2-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,830.70	38.22
40 05 38 00-0021	EA	3" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,210.09	50.29
40 05 38 00-0022	EA	4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	3,292.22	59.72
40 05 38 00-0023	EA	6" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	5,157.82	68.21
40 05 38 00-0024	EA	8" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	8,104.99	86.00

40 05 38 00-0025 45 Degree Elbows (40 05 38 00-0002)

40 05 38 00-0026	EA	3/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,013.31	10.27
40 05 38 00-0027	EA	1" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,019.47	12.78
40 05 38 00-0028	EA	1-1/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,152.73	18.04
40 05 38 00-0029	EA	1-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,158.48	20.30
40 05 38 00-0030	EA	2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,330.46	25.80
40 05 38 00-0031	EA	2-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,776.14	38.22
40 05 38 00-0032	EA	3" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,215.55	50.29
40 05 38 00-0033	EA	4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,915.73	59.72
40 05 38 00-0034	EA	6" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	5,119.63	68.21
40 05 38 00-0035	EA	8" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	7,838.09	79.67

40 05 38 00-0036 Tees (40 05 38 00-0002)

40 05 38 00-0037	EA	3/4" Tee, Polytetrafluoroethylene (PTFE) Lined	1,970.11	15.41
40 05 38 00-0038	EA	1" Tee, Polytetrafluoroethylene (PTFE) Lined	1,982.40	20.30
40 05 38 00-0039	EA	1-1/4" Tee, Polytetrafluoroethylene (PTFE) Lined	2,334.44	25.80
40 05 38 00-0040	EA	1-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined	2,346.94	30.81
40 05 38 00-0041	EA	2" Tee, Polytetrafluoroethylene (PTFE) Lined	2,676.45	38.22
40 05 38 00-0042	EA	2-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined	3,132.23	50.29
40 05 38 00-0043	EA	3" Tee, Polytetrafluoroethylene (PTFE) Lined	3,581.41	59.72
40 05 38 00-0044	EA	4" Tee, Polytetrafluoroethylene (PTFE) Lined	4,673.36	79.67
40 05 38 00-0045	EA	6" Tee, Polytetrafluoroethylene (PTFE) Lined	6,384.34	102.72
40 05 38 00-0046	EA	8" Tee, Polytetrafluoroethylene (PTFE) Lined	12,278.87	127.32

40 05 38 00-0047 Crosses (40 05 38 00-0002)

40 05 38 00-0048	EA	3/4" Cross, Polytetrafluoroethylene (PTFE) Lined	2,795.97	20.54
40 05 38 00-0049	EA	1" Cross, Polytetrafluoroethylene (PTFE) Lined	2,809.08	25.80
40 05 38 00-0050	EA	1-1/4" Cross, Polytetrafluoroethylene (PTFE) Lined	3,419.19	36.31
40 05 38 00-0051	EA	1-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined	3,430.08	40.61
40 05 38 00-0052	EA	2" Cross, Polytetrafluoroethylene (PTFE) Lined	3,866.79	51.60
40 05 38 00-0053	EA	2-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined	4,452.60	76.44
40 05 38 00-0054	EA	3" Cross, Polytetrafluoroethylene (PTFE) Lined	5,903.72	100.33
40 05 38 00-0055	EA	4" Cross, Polytetrafluoroethylene (PTFE) Lined	6,611.71	119.44
40 05 38 00-0056	EA	6" Cross, Polytetrafluoroethylene (PTFE) Lined	11,712.84	136.64
40 05 38 00-0057	EA	8" Cross, Polytetrafluoroethylene (PTFE) Lined	14,852.80	159.45

40 05 38 00-0058 Reducers (40 05 38 00-0002)

40 05 38 00-0059	EA	1" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,657.87	12.78
40 05 38 00-0060	EA	1-1/4" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,671.09	18.04
40 05 38 00-0061	EA	1-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,676.84	20.30
40 05 38 00-0062	EA	2" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,974.32	25.80
40 05 38 00-0063	EA	2-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined	2,278.13	38.22
40 05 38 00-0064	EA	3" Reducer, Polytetrafluoroethylene (PTFE) Lined	2,537.48	50.29

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 38 PTFE Process Pipe**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

40 05 38 00-0065	EA	4" Reducer, Polytetrafluoroethylene (PTFE) Lined	3,314.05	59.72
40 05 38 00-0066	EA	6" Reducer, Polytetrafluoroethylene (PTFE) Lined	4,584.89	68.21
40 05 38 00-0067	EA	8" Reducer, Polytetrafluoroethylene (PTFE) Lined	7,434.32	79.67

40 05 38 00-0068 Unions (40 05 38 00-0002)

40 05 38 00-0069	EA	3/4" Union, Polytetrafluoroethylene (PTFE) Lined	1,502.22	15.41
40 05 38 00-0070	EA	1" Union, Polytetrafluoroethylene (PTFE) Lined	1,723.60	20.30
40 05 38 00-0071	EA	1-1/4" Union, Polytetrafluoroethylene (PTFE) Lined	3,380.22	25.80
40 05 38 00-0072	EA	1-1/2" Union, Polytetrafluoroethylene (PTFE) Lined	3,828.87	30.81
40 05 38 00-0073	EA	2" Union, Polytetrafluoroethylene (PTFE) Lined	5,179.60	38.22
40 05 38 00-0074	EA	2-1/2" Union, Polytetrafluoroethylene (PTFE) Lined	7,533.74	50.29
40 05 38 00-0075	EA	3" Union, Polytetrafluoroethylene (PTFE) Lined	9,618.43	59.72
40 05 38 00-0076	EA	4" Union, Polytetrafluoroethylene (PTFE) Lined	14,937.39	79.67
40 05 38 00-0077	EA	6" Union, Polytetrafluoroethylene (PTFE) Lined	20,013.50	102.72
40 05 38 00-0078	EA	8" Union, Polytetrafluoroethylene (PTFE) Lined	32,913.59	127.32

40 05 38 00-0079 Blind Flanges (40 05 38 00-0002)

40 05 38 00-0080	EA	3/4" Blind Flanges, Polytetrafluoroethylene (PTFE) Lined	213.14	15.41
40 05 38 00-0081	EA	1" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	225.43	20.30
40 05 38 00-0082	EA	1-1/4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	255.54	25.80
40 05 38 00-0083	EA	1-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	268.04	30.81
40 05 38 00-0084	EA	2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	308.35	38.22
40 05 38 00-0085	EA	2-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	387.64	50.29
40 05 38 00-0086	EA	3" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	460.33	59.72
40 05 38 00-0087	EA	4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	581.02	79.67
40 05 38 00-0088	EA	6" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	867.87	102.72
40 05 38 00-0089	EA	8" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	1,284.13	127.32

40 05 38 00-0090 Filler Flanges (40 05 38 00-0002)

40 05 38 00-0091	EA	1" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	569.18	20.30
40 05 38 00-0092	EA	1-1/4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	642.94	25.80
40 05 38 00-0093	EA	1-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	720.92	30.81
40 05 38 00-0094	EA	2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	881.28	38.22
40 05 38 00-0095	EA	2-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,096.98	50.29
40 05 38 00-0096	EA	3" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,311.53	59.72
40 05 38 00-0097	EA	4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,666.85	79.67
40 05 38 00-0098	EA	6" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	2,095.57	102.72
40 05 38 00-0099	EA	8" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	3,232.08	127.32

40 05 38 00-0100 Polytetrafluoroethylene (PTFE) Lined Gate Valves (40 05 38 00-0001)

40 05 38 00-0101	EA	1" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	2,765.40	100.58
40 05 38 00-0102	EA	1-1/4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	3,120.96	113.16
40 05 38 00-0103	EA	1-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	3,523.09	125.41
40 05 38 00-0104	EA	2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	4,174.87	159.26
40 05 38 00-0105	EA	2-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	5,515.25	181.27
40 05 38 00-0106	EA	3" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	6,855.63	203.30
40 05 38 00-0107	EA	4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	8,657.50	341.25
40 05 38 00-0108	EA	6" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	14,031.04	431.53
40 05 38 00-0109	EA	8" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	29,593.16	546.01

40 05 38 00-0110 Polytetrafluoroethylene (PTFE) Lined Check Valves (40 05 38 00-0001)

40 05 38 00-0111	EA	1" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,135.61	100.58
40 05 38 00-0112	EA	1-1/4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,538.84	113.16
40 05 38 00-0113	EA	1-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,995.16	125.41
40 05 38 00-0114	EA	2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	4,732.47	159.26
40 05 38 00-0115	EA	2-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	6,256.98	181.27
40 05 38 00-0116	EA	3" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	7,781.49	203.30
40 05 38 00-0117	EA	4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	9,811.90	341.25
40 05 38 00-0118	EA	6" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	15,923.26	431.53
40 05 38 00-0119	EA	8" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	33,647.91	546.01

40 05 38 00-0120 Polytetrafluoroethylene (PTFE) Lined Plug Valves (40 05 38 00-0001)

40 05 38 00-0121	EA	1" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	2,744.76	100.58
40 05 38 00-0122	EA	1-1/4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	3,099.42	113.16
40 05 38 00-0123	EA	1-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	3,495.16	125.41
40 05 38 00-0124	EA	2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	4,143.04	159.26
40 05 38 00-0125	EA	2-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	5,474.96	181.27
40 05 38 00-0126	EA	3" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	6,806.87	203.30
40 05 38 00-0127	EA	4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	8,596.97	341.25
40 05 38 00-0128	EA	6" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	13,932.48	431.53
40 05 38 00-0129	EA	8" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	27,787.06	546.01

40 05 41 Glass Process Pipe (40 05)

40 05 41 00-0001	Glass Pressure Pipe (40 05 41)
40 05 41 00-0002	Glass Pipe, Beaded Joints (40 05 41 00-0001)

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0003	LF	1/2" Glass Pipe, Pressure..... <i>For Work In Restricted Working Space, Add</i>	49.44 10.75	17.92
40 05 41 00-0004	LF	3/4" Glass Pipe, Pressure..... <i>For Work In Restricted Working Space, Add</i>	59.33 12.90	21.50
40 05 41 00-0005	LF	1" Glass Pipe, Pressure..... <i>For Work In Restricted Working Space, Add</i>	69.00 14.33	23.89
40 05 41 00-0006	LF	1-1/2" Glass Pipe, Pressure..... <i>For Work In Restricted Working Space, Add</i>	91.10 19.35	32.25
40 05 41 00-0007	LF	2" Glass Pipe, Pressure..... <i>For Work In Restricted Working Space, Add</i>	111.64 22.93	38.22
40 05 41 00-0008	LF	3" Glass Pipe, Pressure..... <i>For Work In Restricted Working Space, Add</i>	138.66 26.52	44.19
40 05 41 00-0009	LF	4" Glass Pipe, Pressure..... <i>For Work In Restricted Working Space, Add</i>	189.85 35.83	59.72
40 05 41 00-0010	LF	6" Glass Pipe, Pressure..... <i>For Work In Restricted Working Space, Add</i>	269.63 43.00	71.67
40 05 41 00-0011 Glass 90 Degree Elbows (40 05 41 00-0001)				
40 05 41 00-0012	EA	1/2" 90 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	222.90 57.33	95.55
40 05 41 00-0013	EA	3/4" 90 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	240.50 60.92	101.52
40 05 41 00-0014	EA	1" 90 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	264.00 64.50	107.49
40 05 41 00-0015	EA	1-1/2" 90 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	291.14 71.66	119.44
40 05 41 00-0016	EA	2" 90 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	332.47 78.84	131.39
40 05 41 00-0017	EA	3" 90 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	421.59 93.16	155.27
40 05 41 00-0018	EA	4" 90 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	488.99 100.31	167.21
40 05 41 00-0019	EA	6" 90 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	785.09 114.67	191.11
40 05 41 00-0020 Glass 45 Degree Elbows (40 05 41 00-0001)				
40 05 41 00-0021	EA	1/2" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	221.63 57.33	95.55
40 05 41 00-0022	EA	3/4" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	239.02 60.92	101.52
40 05 41 00-0023	EA	1" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	262.02 64.49	107.49
40 05 41 00-0024	EA	1-1/2" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	289.05 71.66	119.44
40 05 41 00-0025	EA	2" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	329.64 78.82	131.39
40 05 41 00-0026	EA	3" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	417.17 93.17	155.27
40 05 41 00-0027	EA	4" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	482.80 100.31	167.21
40 05 41 00-0028	EA	6" 45 Degree Elbow, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	768.83 114.63	191.11
40 05 41 00-0029 Glass Tees (40 05 41 00-0001)				
40 05 41 00-0030	EA	1/2" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	341.14 86.01	143.33
40 05 41 00-0031	EA	3/4" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	365.73 93.17	155.27
40 05 41 00-0032	EA	1" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	395.35 100.31	167.21
40 05 41 00-0033	EA	1-1/2" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	447.53 107.48	179.16
40 05 41 00-0034	EA	2" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	498.72 118.26	197.08
40 05 41 00-0035	EA	3" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	606.24 143.33	238.88
40 05 41 00-0036	EA	4" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	717.01 150.43	250.71
40 05 41 00-0037	EA	6" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	949.86 171.94	286.54
40 05 41 00-0038 Glass Couplings, Vitron Liner (40 05 41 00-0001)				
40 05 41 00-0039	EA	1/2" Coupling, Vitron Liner, Glass.....	45.73	
40 05 41 00-0040	EA	3/4" Coupling, Vitron Liner, Glass.....	52.26	
40 05 41 00-0041	EA	1" Coupling, Vitron Liner, Glass.....	60.97	
40 05 41 00-0042	EA	1-1/2" Coupling, Vitron Liner, Glass.....	69.68	
40 05 41 00-0043	EA	2" Coupling, Vitron Liner, Glass.....	83.84	
40 05 41 00-0044	EA	3" Coupling, Vitron Liner, Glass.....	153.52	
40 05 41 00-0045	EA	4" Coupling, Vitron Liner, Glass.....	185.10	
40 05 41 00-0046	EA	6" Coupling, Vitron Liner, Glass.....	370.19	

40	40	Process Interconnections		
	40 05	Common Work Results For Process Interconnections		
	40 05 41	Glass Process Pipe		



MINOR					TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION			UNIT COST	UNIT COST

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30 Patewood Drive
Building 2, Suite 350
Greenville, South Carolina 29615